REMEDIAL DESIGN REPORT

EVERGREEN MANOR SITE
ROSCOE TOWNSHIP, WINNEBAGO COUNTY, ILLINOIS

FEBRUARY 2006
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1.0 INTRODUCTION AND BACKGROUND

Conestoga-Rovers & Associates (CRA) has prepared this document entitled "Remedial Design Report" (RD Report) to present and evaluate the data gathered during the remedial design study (RD study) conducted at the Evergreen Manor Site located in Roscoe Township, Illinois (Site). A Record of Decision (ROD) was promulgated by the United States Environmental Protection Agency (U.S. EPA) for the Site in September 2003. Following U.S. EPA's final execution of the ROD, an Administrative Order on Consent (AOC) between the U.S. EPA and two Respondents became effective on October 7, 2004. A Remedial Design Work Plan (RD Work Plan) was prepared in accordance with the Statement of Work (SOW) presented as Attachment II to the AOC. The RD Work Plan was approved by the U.S. EPA in a letter dated June 7, 2005. The data presented herein is a result of the successful implementation of the RD Work Plan.

The U.S. EPA is the lead agency for the Site. The U.S. EPA conducted a Remedial Investigation (RI) in 2000 and a supplemental investigation in 2002. According to the historical data gathered since 1990, and as indicated in the ROD, most of the groundwater constituents that were observed historically have attenuated naturally to below drinking water standards. Consistent with the observed historical data, natural attenuation was selected in the ROD as the remedy for the Site.

Based on the results of past groundwater sampling, the concentrations of volatile organic compounds (VOCs) in the groundwater have decreased and continue to decrease. The character of the groundwater aquifer is conducive to the natural degradation of the remaining chlorinated solvents in-situ. This feature had been previously demonstrated by the results of the 2002 groundwater sampling event, in which only two compounds were detected at concentrations exceeding the Maximum Contaminant Levels (MCLs) at two separate locations out of 19 locations sampled. Specifically, trichloroethene (TCE) was detected in monitoring well MW-03 at 7.2 J[1] micrograms per liter (µg/L), and tetrachloroethene (PCE) was detected in monitoring well MW-103S at 5.9 µg/L. The MCL for both TCE and PCE is 5 µg/L.

The data collected during the RD study, as presented in this RD Report, indicate that all of the groundwater constituents that were observed historically have attenuated naturally to below drinking water standards, confirm the temporal trend observed previously of declining VOC concentrations, and demonstrate that the remedial action objectives have been achieved.

[1] As indicated by the July 2003 Groundwater Data Evaluation Report (GDER), "J" is defined as "the analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample."

2.0 SITE DESCRIPTION AND SUMMARY OF PREVIOUS INVESTIGATIONS

A description and the history of the Evergreen Manor Groundwater Contamination Site (Site) were provided in Sections 2.1 and 2.2 of the ROD. The text in this section is primarily based on information provided by the ROD.

The Site is located in unincorporated Roscoe Township in Winnebago County, Illinois, just north of Roscoe, Illinois (Figure 2.1). Roscoe is in north-central Illinois, about 10 miles north of Rockford, Illinois. The CERCLIS identification number for the Site is ILD984836734.

The Site has historically extended from an industrial area near Route 251 and Rockton Road about two miles southwest through the Hononegah Heights, Tresemer, Old Farm, and Evergreen Manor subdivisions. Between the industrial area and the residential area is about one mile of open farmland.

The groundwater constituents of concern were reportedly first discovered in 1990 when a mortgage company required a homeowner to sample a well. The sample contained VOCs. Between 1990 and 1994 the Illinois Department of Public Health (IDPH) and the Illinois Environmental Protection Agency (Illinois EPA) sampled 267 residential wells.

In 1992, Illinois EPA collected samples of soil vapors and groundwater from several locations throughout the area. From the sampling, the Illinois EPA traced the groundwater constituents to an industrial area about one mile northeast of the subdivisions.

Between 1993 and 1995 Illinois EPA collected more residential well samples and installed and sampled 24 groundwater monitoring wells. The monitoring wells were installed in the industrial area northeast of the subdivisions and in the area between the industrial area and the subdivisions. The sampling showed that the groundwater contained two main constituents, namely TCE and PCE. The maximum concentration of TCE was 91 μg/L in 1991 in a residential well located near Blue Spruce Drive and Straw Lane. The maximum concentration of PCE was 40 μg/L in 1994-1995 in a sample collected from groundwater monitoring well MW-103S in the industrial area.

Illinois EPA completed a Screening Site Inspection Report for the Site in 1992 and an Expanded Site Investigation Report in 1994. In 1997, Illinois EPA prepared a Hazard Ranking System Scoring Package. On July 28, 1998, U.S. EPA proposed the Site for inclusion on the National Priorities List (NPL).

In 1998, U.S. EPA completed an Engineering Evaluation/Cost Analysis (EE/CA) to evaluate options to address drinking water supplies. In March 1999, U.S. EPA issued an Action Memorandum for a Non-Time Critical Removal Action (NTCRA) to connect 281 residences to the North Park Public Water District (NPPWD) water supply. In May 1999, an AOC was signed in order to fund the NTCRA. U.S. EPA completed the municipal water hook-up in 1999 to 2000. The private wells at the homes that were connected to the municipal water supply were reportedly permanently sealed and can no longer be used.

In 2000, U.S. EPA began a federal fund-lead Remedial Investigation and Feasibility Study (RI/FS) to evaluate the remaining groundwater issues and develop potential cleanup options. U.S. EPA conducted the majority of the RI field work in 2000. The RI included:

- Vertically profiling the groundwater at temporary well points in various areas of the Site using cone penetrometer testing (CPT);
- Groundwater sampling at monitoring wells;
- Residential well sampling at available residential wells;
- Surface water and sediment sampling in Dry Creek and the Rock River; and
- Groundwater and surface water elevation measurements.

During the RI, U.S. EPA also reviewed background reports and other published documents to collect information about surface features, meteorology, geology, hydrogeology, hydrology, area ecology, land and groundwater use, and demography.

The results of the RI were presented in the 2001 RI Report. Section 11 of the RI, "Conclusions and Recommendations", stated:

Groundwater: "A total of 13 VOCs … were detected in the samples collected from CPT, monitoring wells, and residential wells. Only three of these constituents exceeded screening levels. … The levels of chlorinated VOCs detected during this RI are significantly lower than those previously determined, indicating continued diminishing contamination of the aquifer."

"Based on these detections, chloroform, tetrachloroethene, and trichloroethene are considered COCs [contaminants of concern]. The extent of positive detections is shown on Figure 7-1, however, the extent of contamination should only be considered as the area in the immediate vicinity of the three locations where COCs were identified."

Sediments in Dry Creek and the Rock River: "A total of four VOCs … were detected in the collected sediment samples from Dry Creek and the Rock River. The detected concentrations of the constituents were orders of magnitude less than their respective screening levels. Therefore, there are no COCs in the sediment medium."

Surface Water: "The results of the surface water analyses were all below the method detection limits. Therefore, there are no COCs in the surface water column."

Contaminant Fate and Transport: "COCs at the site were only found in groundwater. … Other pathways, such as the groundwater to air pathway, are not considered to pose a threat."

Contaminant Concentrations: "Based on a comparison of data presented in this RI and the data used to support the Hazard Ranking Score, it appears that the concentrations of chlorinated VOCs are decreasing. There has been an approximate order of magnitude decline in concentrations."

Recommendations: "Based on a historical decline of concentrations across the site, as evidenced by laboratory data, and as simulated through modeling, it is expected that constituent concentrations will continue to decline, and ultimately decline below screening levels."

In 2002, U.S. EPA conducted additional sampling and performed a vapor intrusion investigation. The purpose of the vapor intrusion investigation was to evaluate whether groundwater constituents were migrating into the soil gas and indoor air in homes above the groundwater, and whether this pathway could pose a potential risk. The 2002 investigations involved:

- Installation of three new groundwater monitoring wells to replace two residential wells that were abandoned during the NTCRA and a temporary well point location sampled during the RI;[2]
- Additional groundwater sampling at selected groundwater monitoring wells;
- Additional surface water and sediment sampling in the Rock River;
- Additional groundwater and surface water elevation measurements;

[2] A fourth monitoring well, MW-01A, was installed to replace one of the newly installed monitoring wells, MW-01, which had to be sealed due to grout contamination introduced during installation.

- Collection of 24-hour soil gas samples from the foundation elevation at four locations around the perimeter of four homes in the residential area;
- Collection of 24-hour indoor air samples from the basement and on the first floor of four homes in the residential area; and
- Collection of a 24-hour ambient air sample near one of the four sampled homes.

The results of U.S. EPA's vapor intrusion investigation were presented in the 2003 Air Sampling Report.

Section 7 of the Groundwater Data Evaluation Report (GDER, July 2003), "Conclusions and Recommendations", stated:

"At the present time, the VOC concentrations observed at the Evergreen Manor site are believed to be either stable, or are declining from concentrations reported during the 1990 to 1994 time frame."

"The overall decrease of the contaminated plume, favorable site conditions, contaminants amenable to natural attenuation substantiated by overall decrease in concentrations, … appears to indicate that monitored natural attenuation (MNA) is a likely candidate for use as the cleanup option for the Evergreen Manor site."

3.0 SITE GEOLOGY AND HYDROGEOLOGY

The information presented in this section is a summary of information in Section 2.5.2 of the ROD.

Dry Creek runs through the farmland that lies between the industrial area and the residential area. Previously collected groundwater and surface water elevation data have indicated that the groundwater does not discharge to Dry Creek.

Previous groundwater measurements have also determined that after passing through the subdivisions, the groundwater flows into the Rock River. The Rock River is a major river and a principal area for regional groundwater discharge. The average daily discharge of the Rock River near the study area is 4,178 cubic feet per second (cfs).

The geology under the study area consists of sand and gravel overlying bedrock. The sand and gravel is of glacial outwash origin and extends down to about 250 feet below grade, to the top of the first bedrock unit, the St. Peter Sandstone. Soil in the unsaturated zone is composed of sand with up to 40 percent gravel. Groundwater flows within the unconfined, unconsolidated upper sand and gravel outwash aquifer. Historical data suggests that the groundwater constituents were located from the water table down to about 100 feet below grade. The water table ranges from about 40 feet below grade near the industrial area to about 25 to 30 feet below grade in the residential area.

The upper sand and gravel aquifer has an estimated average hydraulic conductivity of 3.9×10^{-2} centimeters/second (cm/sec) and an estimated hydraulic gradient of 0.0015 feet/feet. Using an effective porosity of 30 percent for sand and gravel aquifers, the average linear groundwater flow velocity was estimated at approximately 0.54 feet/day. Groundwater elevation data collected from pairs of shallow and deep wells have indicated that the groundwater flow direction is predominantly horizontal.

4.0 REMEDIAL DESIGN STUDY

Based on the uncertainties identified in the ROD and on the data collected through 2002, there were two remaining issues:

1) Whether the presence of a contiguous groundwater plume and its boundaries could be established. During the U.S. EPA groundwater sampling event conducted in 2002, only two locations had one exceedence each of the MCLs. A review of the historic groundwater analytical data indicated that constituent concentrations had been steadily declining over time. Based on the favorable site conditions, as stated in the July 2003 GDER, there was reason to believe that the constituent concentrations had already attenuated to levels below which a definable plume and associated boundaries is discernable; and
2) Further evaluation of the groundwater to soil gas pathway to determine whether the initial pathway was complete or incomplete.

Remedial studies consisting of two phases were designed and detailed in the RD Work Plan in order to provide answers to the two remaining issues listed above. The proposed plan was to conduct Phase I of the RD studies and then assess the need for Phase II based on the Phase I data. However, as presented and discussed in Sections 5 and 6 of this report, Phase II of the RD studies was not necessary based on the data gathered during Phase I. In July 2005, CRA submitted a report to the U.S. EPA entitled "Phase I Data Summary Report", presenting the results of Phase I of the RD study. In a letter dated October 12, 2005, the U.S. EPA approved the Phase I Data Summary Report with no comments, and authorized CRA to forego Phase II of the RD studies and instead to proceed with the preparation of this RD Report.

The Phase I field activities were performed in May and June 2005. The activities were conducted in accordance with the approved RD Work Plan and the supporting plans contained as appendices to the RD Work Plan. The supporting plans include the Field Sampling Plan (FSP), the Quality Assurance Project Plan (QAPP), and the Health and Safety Plan (HASP).

4.1 PHASE I SCOPE OF WORK

The main objectives of Phase I of the RD study were to:

- Characterize the current shallow groundwater flow and characteristics; and

- Determine the spatial extent of constituents in the groundwater through vertical profile groundwater screening.

The following tasks were completed during Phase I:

- Developed a standardized database of the available data;
- Characterized the current shallow groundwater flow and characteristics through groundwater and surface water level elevation measurements, along with groundwater sampling of the currently existing monitoring wells;
- Determined the spatial extent of constituents in the groundwater through vertical profile groundwater screening at three specific locations where MCL exceedences were detected in the past; and
- Completed inventories of public and private wells, public water supply lines, land uses, and structures within the current and historical areas of the Site.

4.1.1 DEVELOPMENT OF SITE DATABASE

Prior to the development of the RD Work Plan, CRA received a copy of the historic database. The database contained soil, water, and air data collected from 1990 to 2003. The specific types of sample data contained in the database were the following:

- Residential water samples collected from January 1990 through May 2001;
- Monitoring well groundwater samples collected from March 1994 through April 2002;
- Groundwater screening samples collected from CPT boreholes in May 2000 and June 2000;
- Surface water samples collected in May 2000 and April 2002;
- Pumping test water samples collected in November 2002, December 2002, and January 2003;
- Sediment samples associated with surface water samples collected in May 2000, April 2002, and December 2002;
- Soil samples collected in October 2002 and December 2002;
- A solid waste sample collected in April 2002; and
- Ambient air samples collected in May 2002.

Following receipt of the database, CRA completed the following tasks:

1) Performed a preliminary assessment of the database structure in order to define whether further format and valid value information was required prior to proceeding with database conversion;
2) Converted the database to standard database format;
3) Performed subsequent data assessment on the newly created database in order to define data omissions, data orphans, data anomalies or suspect data; and
4) Performed a quality control assessment by the Database Manager and Project Team to ensure successful data conversion.

All data collected during Phase I were added to the database, and the final database was utilized for data mining and extraction to support engineering evaluations and reporting. Specifically, the final database was used for the development of base plans and data layouts so that the entire historical record was utilized appropriately to define existing conditions.

4.1.2 MONITORING WELL RECONNAISSANCE AND SURVEYING ACTIVITIES

In anticipation of the Phase I field activities, on February 28 and March 1, 2005, CRA conducted monitoring well reconnaissance activities to locate and assess the condition of the 27 monitoring wells sampled in the past. However, CRA could only locate 24 of the 27 monitoring wells; the other three wells (MW-111, MW-113, and MW-114) could not be located. CRA subsequently determined that monitoring well MW-111 was properly abandoned and sealed in June 2001, and that all the required documentation was submitted to the Illinois EPA.

As part of the reconnaissance activities, the total depths and water levels were measured at each of the 24 monitoring wells. In addition, a new lock was placed on each well. Each of the 24 existing monitoring wells was observed to be in good condition, with no substantial sediment build-up, and, therefore, determined acceptable for monitoring purposes without the need for redevelopment.

On June 6 and 7, 2005 Bollinger, Lach & Associates, Inc. (BLA) of Crystal Lake, Illinois, an Illinois-licensed professional surveyor, conducted surveying for horizontal and vertical control. Each of the 24 monitoring wells was surveyed. A total of six surface water elevation measurement points (SG-1 through SG-6) were set/identified by CRA: three on Dry Run Creek (SG-1, SG-2, and SG-4), one on North Kinnikinnick Creek

(SG-3), and two on the Rock River (SG-5 and SG-6). BLA surveyed the elevations of the measurement points. In addition, BLA surveyed the locations and surface elevations of the vertical profile groundwater screening locations discussed in Section 4.1.5 of this report.

BLA used a global positioning system (GPS) unit to survey the locations. The horizontal coordinates were referenced to the Illinois State Plane Coordinate System and the vertical elevations were referenced to Mean Sea Level. The locations of the 24 existing monitoring wells and six surface water elevation measurement points are shown on Figure 4.1. Table 4.1 presents a summary of monitoring well construction information and information on the surface water elevation measurement locations. A copy of the certified survey data received from BLA is provided in Appendix A.

During the monitoring well reconnaissance activities, CRA determined that the actual locations of monitoring well clusters MW-104S/D, MW-105S/D, and MW-106S/D were different from those listed in the database and as shown on previous figures. The locations of these three clusters have been corrected based on the new comprehensive BLA survey data.

4.1.3 GROUNDWATER AND SURFACE WATER ELEVATION MEASURING

On May 23, 2005, CRA collected a full round of water level measurements at all 24 monitoring wells and at the six surface water elevation measurement points. The depth to the water was measured to the nearest 0.01 foot using an electronic water level indicator. Groundwater and surface water elevations were calculated from the water levels using the surveyed reference elevations, and are presented on Table 4.2. The water level data collected by CRA on February 28 and March 1, 2005 are also included on Table 4.2.

4.1.4 MONITORING WELL SAMPLING

From May 23 to 27, 2005, CRA sampled all 24 existing monitoring wells in accordance with the FSP (Appendix A of the RD Work Plan). Prior to sampling, each well was purged using a precleaned electronic submersible pump. The pump was slowly and carefully lowered into the well such that the intake of the pump was near the upper portion of the water column. The monitoring wells were purged using slow purging/minimal disturbance techniques. The pumping rate was kept at a low rate to minimize drawdown and sediment agitation.

The monitoring wells were purged by removing a minimum of three standing well volumes of groundwater. The volume of standing water was calculated for each monitoring well (all are two-inch diameter) as follows:

$V = 0.16H$, where:

V = volume of standing water in gallons; and
H = height of the water column in the well (feet).

Field measurements of pH, conductivity, temperature, and turbidity of the purged water were obtained and recorded following removal of each standing well volume and prior to sample collection. A flow-through cell was used to collect the measurements other than turbidity; the cell allowed for continuous measurement of the field parameters. Turbidity was measured using a portable turbidity meter. Field instruments were calibrated daily prior to use.

Well purging continued until three consecutive and consistent readings (± five percent of the average of the three readings for pH, conductivity, and temperature) were obtained and the turbidity of the water was minimized. A monitoring well purging summary is provided in Table 4.3.

After purging the required volume of water, groundwater samples were collected for analysis of VOCs using the same equipment used to purge the monitoring well as described above. Quality Assurance/Quality Control (QA/QC) samples were also collected. Duplicate groundwater samples were collected at a frequency of one per ten investigative samples collected. In addition, samples were collected for matrix spike/matrix spike duplicate (MS/MSD) analysis at a frequency of one per 20 investigative samples. The samples for MS/MSD analysis were collected from wells representative of the condition of the majority of the monitoring wells. The chain-of-custody forms sent to the project laboratory identified those samples collected for MS/MSD analysis. Field equipment blank (rinsate) samples were collected at a frequency of one per day of sampling equipment cleaning. These samples consisted of deionized water pumped through the sampling pump. A trip blank provided by the laboratory was placed in each sample cooler containing multiple aqueous samples for VOC analysis.

A summary of the groundwater samples collected during the monitoring well sampling activities is provided in Table 4.4. The purged groundwater was placed on the ground surface no closer than a minimum distance of 15 feet away from each monitoring well.

4.1.5 VERTICAL PROFILE GROUNDWATER SCREENING

Vertical profile groundwater screening was conducted from June 1 to 3, 2005 at three locations. The screening was performed in order to characterize the condition of the groundwater vertically through the aquifer. The three locations chosen for the screening were the following:

- SB-1/SB-1A, hydraulically downgradient of residential well RW-04;
- SB-2, adjacent to monitoring well cluster MW-103S/D; and
- SB-3, adjacent to monitoring well MW-03.

These three areas were chosen as the areas most likely to exhibit elevated concentrations, if any, of parameters of concern based on an evaluation of the 2000 and 2002 groundwater analytical data.

Due to a drilling/pumping equipment malfunction experienced on June 1, 2005, a screening sample of the groundwater just below the water table could not be collected from SB-1 on that day. Therefore, a second borehole, SB-1A, was advanced on June 3, 2005 adjacent to SB-1 in order to collect a screening sample just below the water table. The surveyed locations of the vertical profile groundwater screening boreholes are presented on Figure 4.2.

Four intervals within the vertical groundwater column were selected for the screening, beginning just below the water table, to a maximum depth of 100 feet below grade. A combined total of 10 intervals were sampled from the three vertical profile groundwater screening locations, as presented on the sample summary in Table 4.4. Four depth intervals were sampled from SB-1/SB-1A and SB-3, and two depth intervals were sampled from SB-2. The rationale for only two depth intervals from SB-2 is the following: the screen for monitoring well MW-103S is set at 32 to 42 feet below grade, and that for MW-103D is set at 45 to 55 feet below grade. Therefore, sampling of these two wells yields information about the conditions at the water table and at a depth of 10 to 20 feet below the water table. Consequently, the vertical profile groundwater screening at SB-2 covered two deeper intervals greater than 20 feet below the water table.

The vertical profile groundwater screening activities were performed by Prosonic Corporation of Fenton, Michigan using a rotary sonic drill rig. The boreholes were advanced in accordance with the rotary sonic procedures outlined in the FSP. During borehole advancement, formation samples were collected continuously in order to characterize stratigraphy. The supervising CRA geologist visually inspected the soil, classified, and described the stratigraphy using the Unified Soil Classification System (USCS). A photoionization detector (PID) was used to field screen the soil cuttings. The stratigraphy encountered in each borehole was consistent, composed of fine grained sand with varying amounts of gravel. No elevated PID readings were measured. Stratigraphic logs for the four boreholes are provided in Appendix B.

One soil sample representative of the vadose zone was collected at each of the three vertical profiling locations and was analyzed for VOCs (Table 4.4). Due to the soil inadvertently being exposed to the ambient air longer than expected on June 1, 2005, the soil sample collected from SB-1 (sample AJ-034) was canceled prior to laboratory analysis and a replacement sample (AJ-046) was collected from SB-1A on June 3, 2005.

In order to collect a screening sample at each depth, the rotosonic core barrel was removed from the outer casing and a 4-inch diameter, 4-foot long stainless-steel well screen with a length of casing equipped with a packer assembly and an electronic stainless steel-cased submersible pump with a sufficient length of tubing was lowered into the borehole. Instead of an inflatable packer assembly as noted in the FSP, an equally effective alternative method using a packer assembly made up of three gaskets was utilized. The packer assembly acted to seal off the water in the drill casing above the groundwater sampling pump.

Using the sampling pump, a volume of groundwater was purged prior to sample collection. Enough water was pumped to ensure that at least twice the volume of water in the casing below the gaskets was removed and the turbidity of the water was minimized as much as possible. Field measurements of pH, conductivity, and temperature of the purged water were monitored at regular intervals and recorded following removal and prior to sample collection. Field instruments were calibrated daily prior to use. Purging continued until three consistent readings of pH, temperature, and conductivity were recorded. A purging summary is provided in Table 4.5. The purged groundwater was placed on the ground surface at least 15 feet away from each borehole.

The downhole groundwater sampling equipment was thoroughly cleaned prior to use, between each subsequent sampling interval, and between each vertical profile

groundwater screening boring to minimize the potential for cross-contamination. Following the conclusion of the screening activities at each location, the borehole was backfilled with the soil cuttings and bentonite chips.

4.1.6 WATER WELL, WATER SUPPLY LINE, LAND USE, AND STRUCTURES INVENTORIES

Current data indicate that a definable plume is nonexistent. Therefore, there are no wells, water lines, land uses, or structures within the current Site area. However, a water well search was conducted to identify all of the public and private water wells located within the study area. The sources that were contacted for information include:

- Illinois State Water Survey (ISWS);
- Illinois State Geological Survey;
- Illinois Environmental Protection Agency;
- Winnebago County Department of Health (WCDH); and
- North Park Public Water District (NPPWD).

Based on the information received from the ISWS, Figure 4.3 presents the locations of the water wells[3] located within the area presented on the July 2003 GDER figures as the "Site Boundary (based on maximum extent of VOC)". This boundary was drawn using all groundwater data collected from 1990 through 2002. For purposes of this Remedial Design Report, this particular area will be referred to as the "historical maximum plume boundary".

The Site database contains a record of all residential wells sampled since 1990. Using the historical maximum plume boundary presented in the GDER as a reference, CRA compiled a list of the residential addresses within the Evergreen Manor Subdivision in which any part of the properties lie within the GDER historical maximum plume boundary. The NPPWD was contacted for information concerning the public water supply system, and the NPPWD provided a map of the location of the water main and a listing of the residences within the Evergreen Manor Subdivision connected to the water supply. The WCDH provided a listing of the private wells sealed during 2000 after the residences were connected to the public water supply. CRA cross-referenced the three lists to determine whether any private wells remain within the GDER historical

[3] The wells plotted are those in which enough information was available in which to map the location of the well.

maximum plume boundary in the Evergreen Manor Subdivision. Table 4.6 presents the residential well status information compiled from the three lists.

Based on the information reviewed by CRA, a total of six Evergreen Manor Subdivision properties within the GDER historical maximum plume boundary still have a water well on the property. These six properties are indicated on Table 4.6 with dashed lines in the 'Well Sealing Date' column. The locations of these six properties are presented on Figure 4.4. The property on Hononegah is a vacant piece of property, but according to the data contained in the Site database, a water sample was collected from the property in January 1991. The three residences on Matthew Avenue are connected to the public water supply, but according to the WCDH the owners refused to have their water well sealed. The two addresses on Straw Lane are not connected to the public water supply. On the water main location map provided by the NPPWD, these two properties lie just east of the historical maximum plume boundary indicated by the NPPWD. However, the GDER historical maximum plume boundary crosses through these two properties. Copies of the information gathered from the various public entities is provided in Appendix C.

For purposes of providing a land use and structures inventory, the boundaries utilized were the areas depicted by red ovals on Figure 5-8 of the GDER, which indicated the maximum extent of contamination around MW-03, RW-04, and MW-103S based on 2000 and 2002 groundwater data. These historical areas are presented on Figure 4.5, along with the property boundaries and commercial structures within Area 1 (MW-03), Area 2 (RW-04), and Area 3 (MW-103S). The addresses and land uses for the properties located within these three areas are listed in Table 4.7.

5.0 REMEDIAL DESIGN STUDY RESULTS

5.1 GROUNDWATER FLOW

Figure 5.1 presents a contour map of the shallow groundwater (water table) elevations generated using the calculated groundwater elevations for the May 23, 2005 measuring event. As expected and consistent with historic data, the general direction of groundwater flow in the study area is to the southwest toward the Rock River. The hydraulic gradient across the study area measured in the downgradient direction between monitoring wells MW-112 and MW-03 is approximately 0.0016 foot/foot. Based on the elevation data, Dry Run Creek appears to flow above the water table and is not fed by the groundwater, but North Kinnikinnick Creek flows at the elevation of the water table and likely is fed by the groundwater. Vertical hydraulic gradients have been calculated for the ten monitoring well clusters using the May 23, 2005, and are presented in Table 5.1. The data indicate horizontal groundwater flow with no vertical gradients.

5.2 ANALYTICAL DATA

The soil and groundwater samples collected during the RD study were shipped via overnight courier to the project laboratory, Severn Trent Laboratories (STL) of North Canton, Ohio. STL analyzed the samples for VOCs using method SW-846 8260B. A CD containing electronic copies of the STL analytical reports is provided in Appendix D.

The analytical data were validated by a CRA chemist and were found to be acceptable and suitable for their intended use with limited qualification. A copy of the data validation memorandum is provided in Appendix E.

5.2.1 MONITORING WELL GROUNDWATER ANALYTICAL DATA

Table 5.2 presents a summary of the detected analytical data for the monitoring well groundwater samples.[4] Several VOCs were detected in the samples, but none of the detected concentrations exceed the MCLs. Figure 5.2 presents the data graphically along with the historical data from past sampling of the monitoring wells.[4]

[4] Note: The tables and figures only include those analytes which are listed in Table 1 of the "Statement of Work" (Attachment II of the Administrative Order on Consent) and which had detected concentrations greater than the laboratory reporting limits.

5.2.2 VERTICAL PROFILE GROUNDWATER SCREENING SAMPLES

Table 5.3 presents a summary of the detected analytical data for the vertical profile groundwater screening samples.[4] Several VOCs were detected in the samples, but none of the detected concentrations exceed the MCLs. Figure 5.3 presents the data graphically.[4]

5.2.3 VERTICAL PROFILE SOIL SAMPLES

Table 5.4 presents a summary of the detected analytical data for the vertical profile soil samples. Four VOCs were detected in the samples at low levels, with the highest concentration being of methylene chloride at 6.8 micrograms per kilogram (µg/kg).

6.0 DATA EVALUATION, DISCUSSION, AND CONCLUSIONS

6.1 GROUNDWATER CHARACTERIZATION

CRA has prepared a Geographical Information System (GIS) electronic data package (eDat) that combines spatial information with the groundwater analytical database to graphically represent the current and historical groundwater monitoring well data. A copy of the eDat electronic data package is provided in Appendix F.

The data gathered during the RD study are sufficient to characterize the groundwater. As detailed in this Remedial Design Report, the data meet the objectives of the Remedial Design study as set forth in the Remedial Design Work Plan. None of the analyte concentrations detected in the vertical profile groundwater screening samples or in the monitoring well groundwater samples exceeded the MCLs. These results indicate, as indicated in the RI Report and the GDER, that the contaminant concentrations have continued to decline over the years, and now have ultimately been naturally attenuated to levels which are below the MCLs. Therefore, the remedial action objectives have been achieved, well before the previously projected date of 2015. The data support the conclusion that a definable groundwater plume and associated boundaries no longer exists. It is expected that constituent concentrations will continue to decline in the future.

As presented in the RD Work Plan, Phase II of the RD studies was to include field activities to gather the data necessary for the characterization of the areal extent of constituents in groundwater. These activities were to potentially include groundwater screening and/or the installation of additional monitoring wells to be used to define the perimeter of the groundwater plume and the geochemical conditions along the centerline of the plume. However, since the Phase I RD study data indicate that no definable plume is present, Phase II of the RD study was not necessary.

6.2 VAPOR INTRUSION PATHWAY EVALUATION

As presented in the RD Work Plan, the groundwater portion of the vapor intrusion pathway was to be characterized using a staged approach based on the results of the characterization of shallow groundwater performed during the RD study.

If necessary, screening levels for soil gas and groundwater were to be established for the vapor intrusion pathway based on U.S. EPA's *Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils*, 2002. However, since the

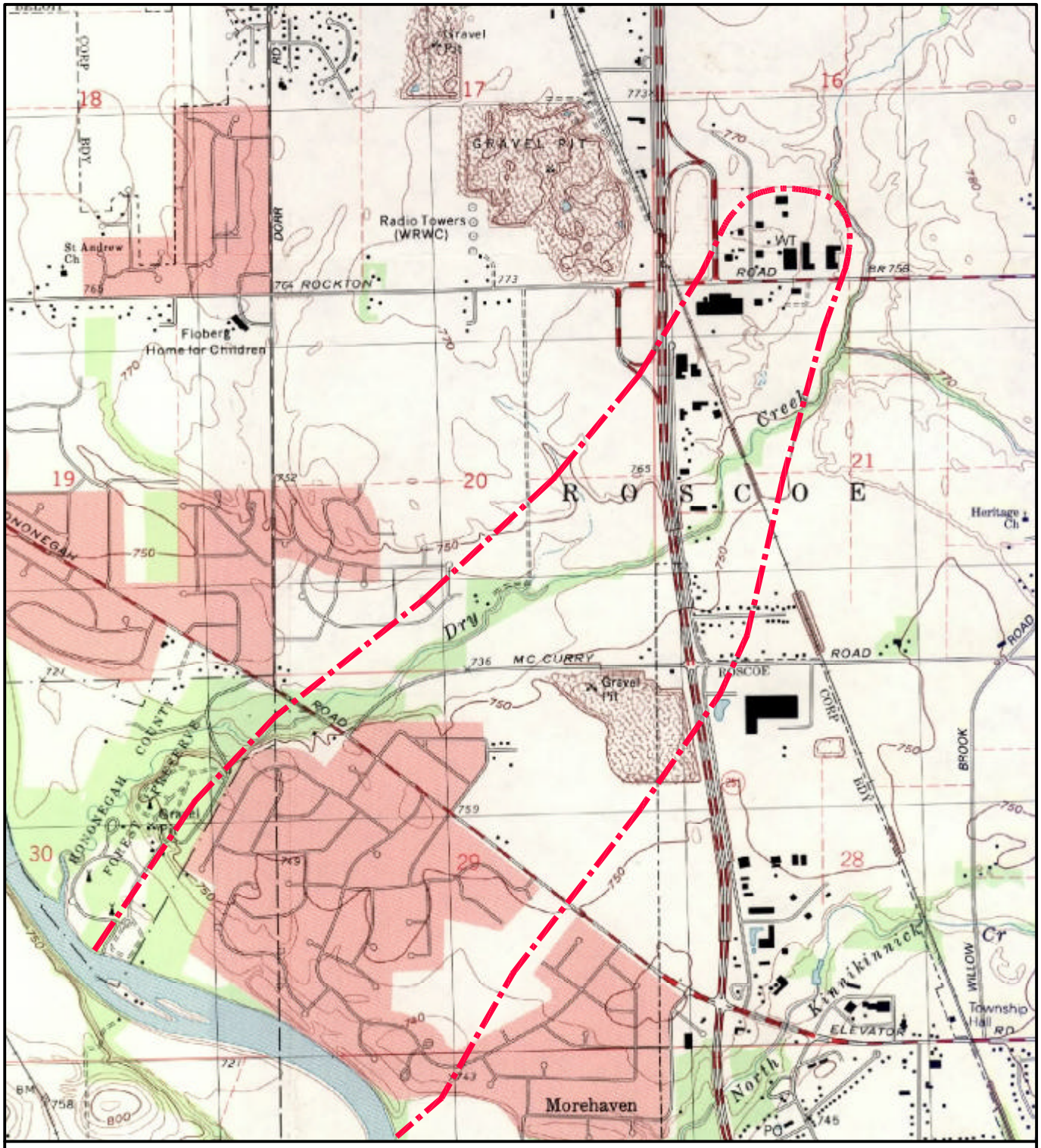
constituents of concern in shallow groundwater are below the MCLs, the establishment of screening levels was not necessary and no additional characterization was needed. The data indicate that, in accordance with the U.S. EPA's guidance, the vapor intrusion pathway is not relevant to indoor air quality.

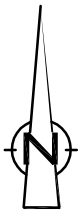
6.3 CONCLUSIONS

The objectives of the RD study were to gather the data necessary to provide answers to the two remaining issues for the Evergreen Manor Site, as stated above in Section 4.0: whether the current presence of a contiguous groundwater plume and its boundaries could be confirmed, and whether the initial groundwater to soil gas pathway was complete or incomplete. The data gathered during the RD study support the conclusions that:

1. a definable groundwater plume and associated boundaries no longer exists; and
2. the groundwater to soil gas pathway is incomplete, making the vapor intrusion pathway not relevant to indoor air quality.

Accordingly, as detailed in this Remedial Design Report, the data are sufficient to support the preparation of a Monitored Natural Attenuation Plan, if needed, and, more importantly, demonstrate that the remedial action objectives have been achieved.





0 1000 2000ft

BASE SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE; SOUTH BELOIT, ILLINOIS 1993

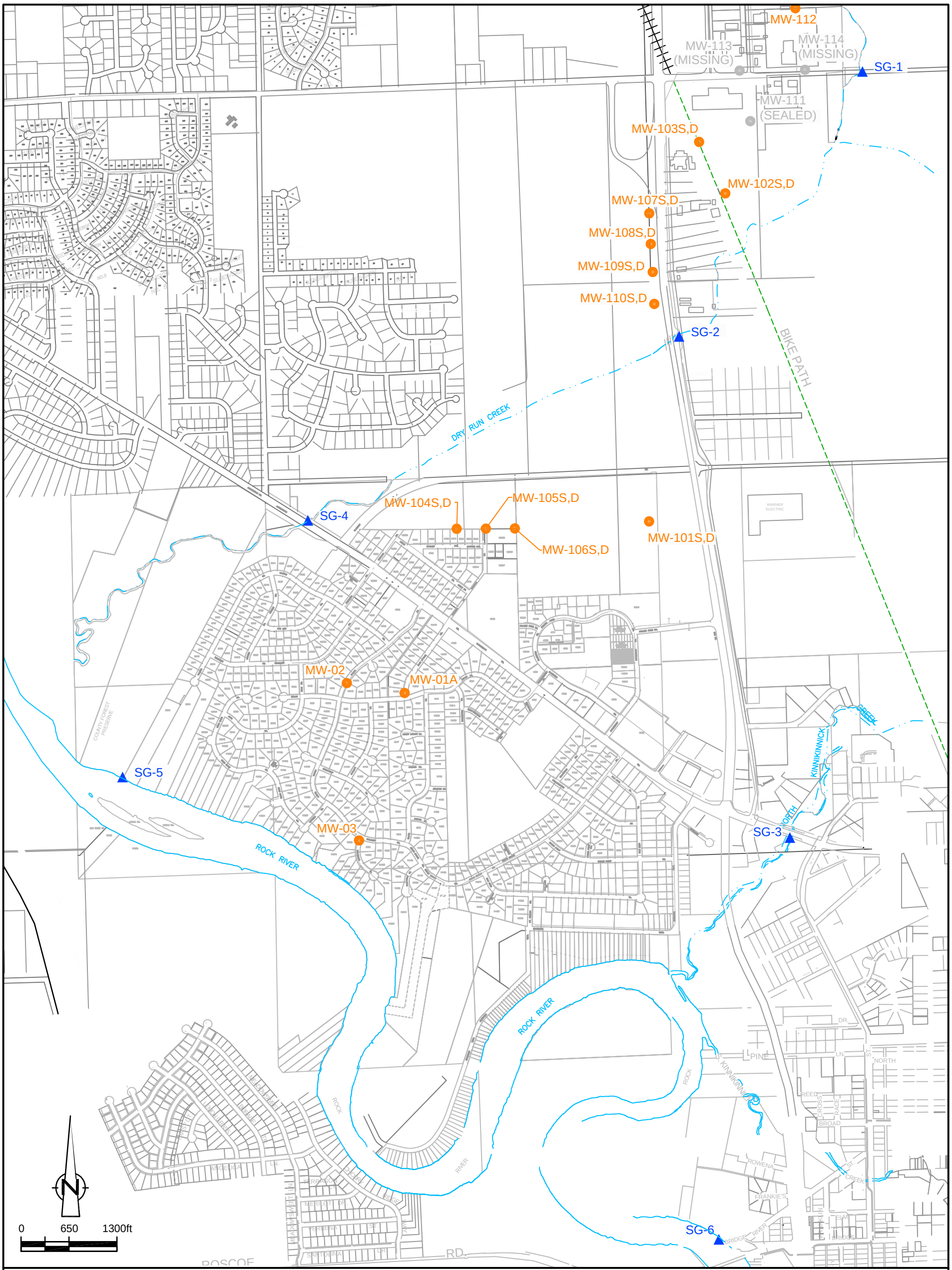
LEGEND:

GENERAL SITE BOUNDARY, AS IDENTIFIED BY WESTON IN THE GDER, JULY 2003

figure 2.1

SITE LOCATION
EVERGREEN MANOR SITE
Roscoe, Illinois

34891-00(008)GN-CO006 FEB 10/2006



LEGEND:

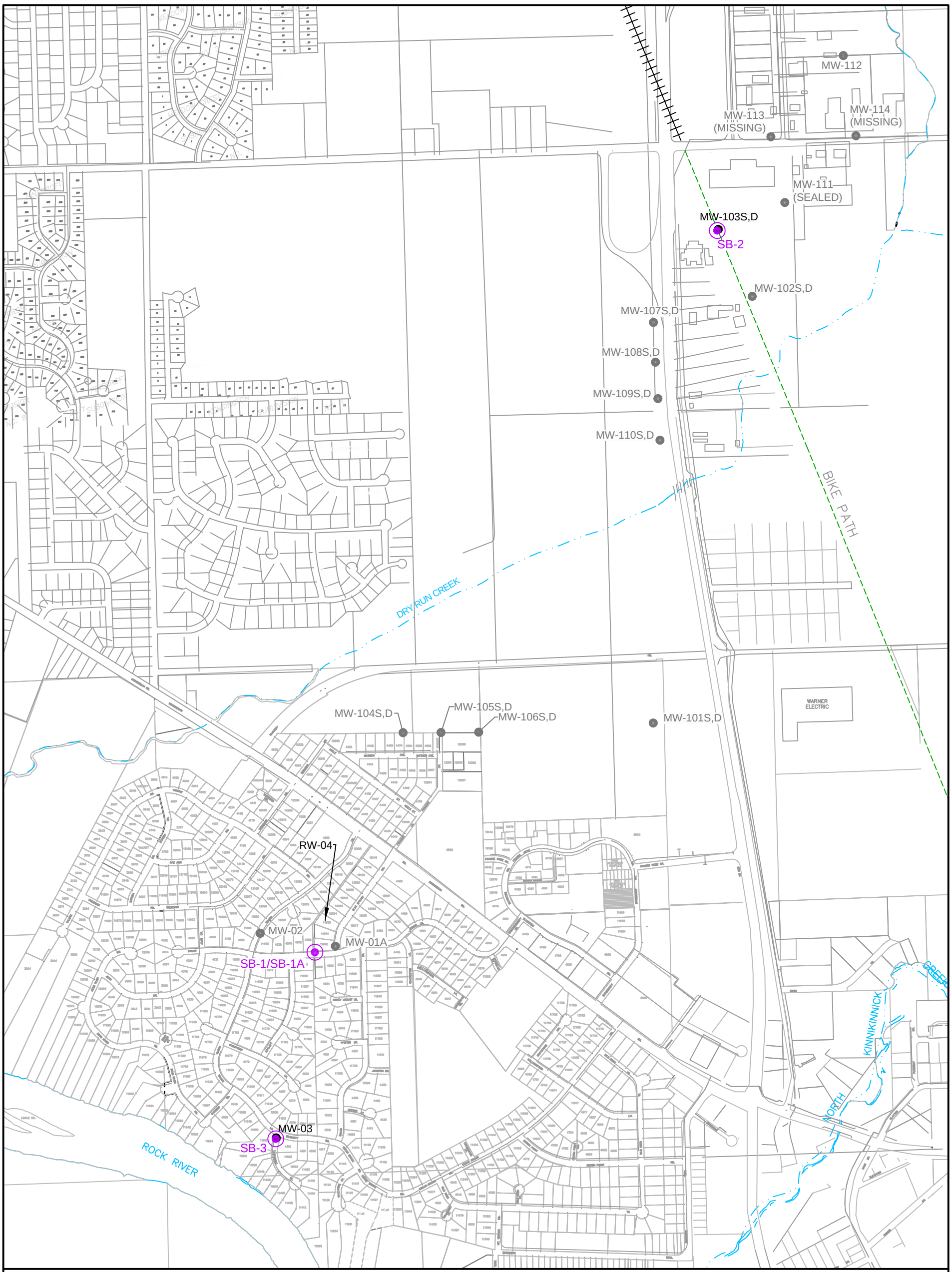
MW-03 ● EXISTING MONITORING WELL AND IDENTIFIER

SG-1 ▲ SURFACE WATER ELEVATION MEASUREMENT LOCATION

figure 4.1

EXISTING MONITORING WELL AND SURFACE WATER ELEVATION MEASUREMENT LOCATIONS
EVERGREEN MANOR SITE
Roscoe Township, Illinois

34891-00(008)GN-CO001 APR 23/2007



LEGEND:

MW-03 ● EXISTING MONITORING WELL LOCATION AND IDENTIFIER

SB-1 ◉ VERTICAL PROFILE GROUNDWATER SCREENING LOCATION

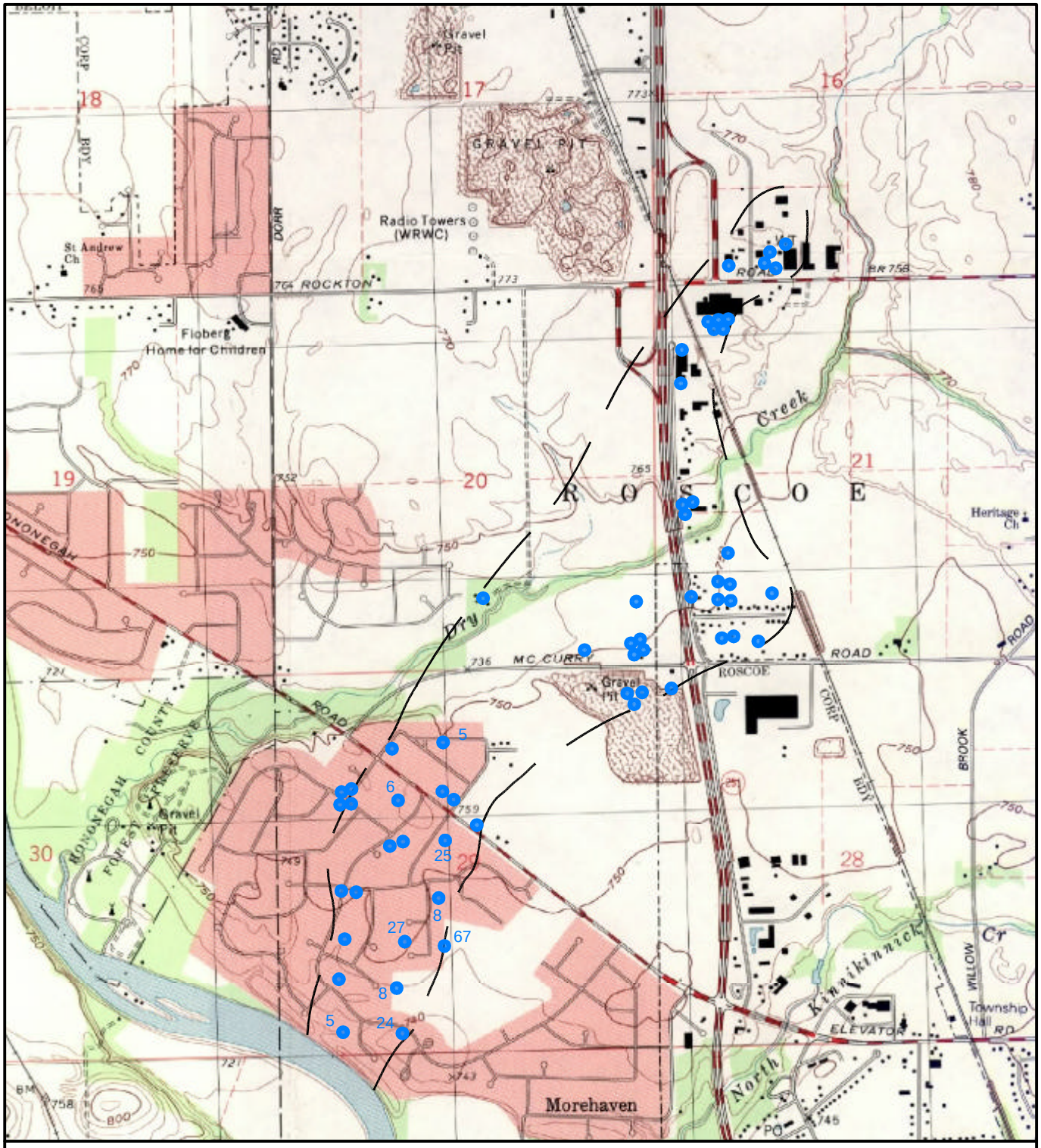
N

0 500 1000ft

figure 4.2

VERTICAL PROFILE GROUNDWATER SCREENING LOCATIONS
EVERGREEN MANOR SITE
Roscoe Township, Illinois

34891-00(008)GN-CO002 FEB 10/2006



BASE SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE; SOUTH BELOIT, ILLINOIS 1993

LEGEND:

HISTORICAL MAXIMUM GROUNDWATER PLUME, AS PRESENTED BY WESTON IN THE JULY 2003 GDER (BASED ON ALL GROUNDWATER DATA FROM 1990 THROUGH 2002)

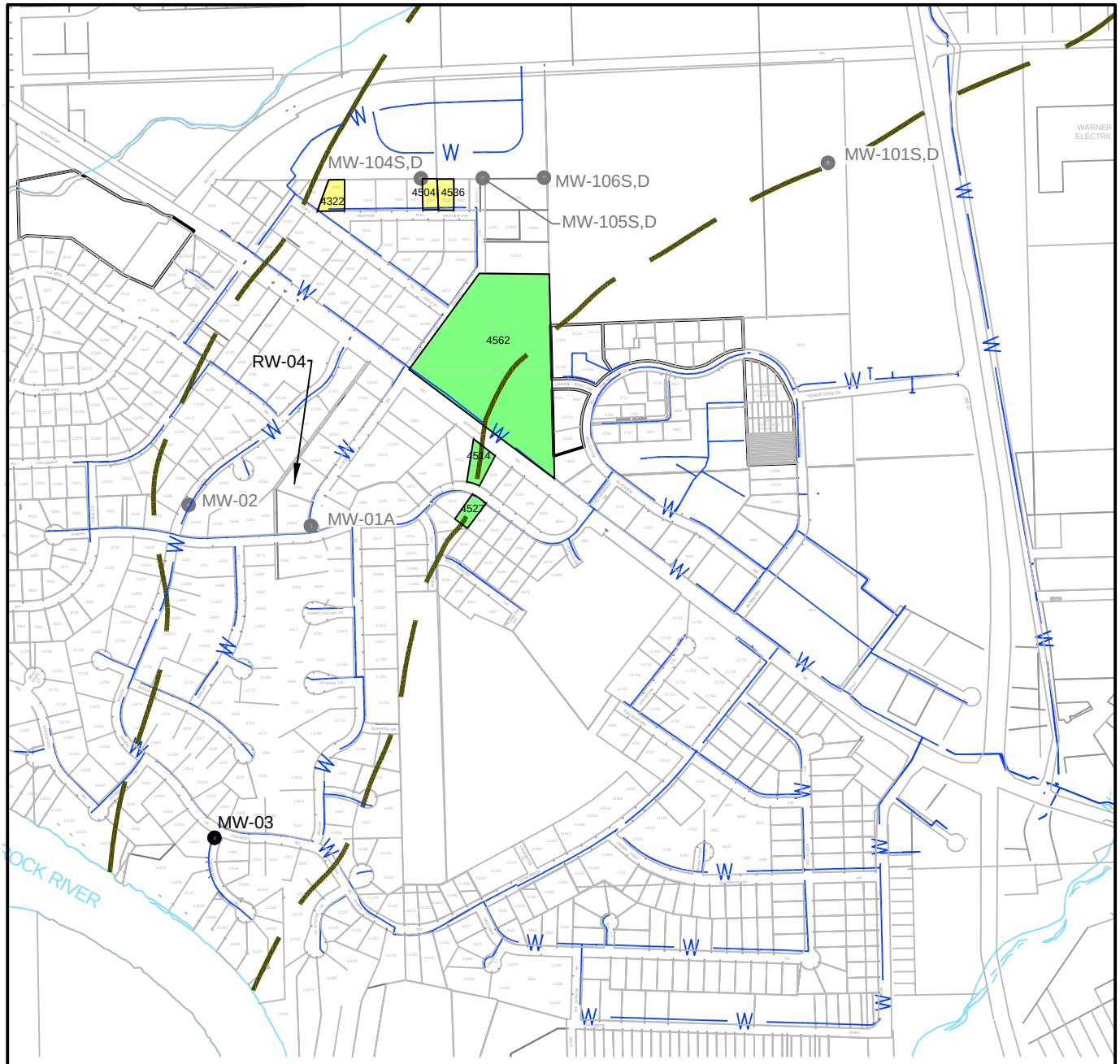
27 WATER WELL LOCATION; NUMBER INDICATES THE NUMBER OF WELLS IN THE SAME AREA

0 1000 2000ft

figure 4.3

WATER WELL LOCATIONS - ISWS DATA
EVERGREEN MANOR SITE
Roscoe, Illinois

34891-00(008)GN-CO007 APR 23/2007



LEGEND:

W — NORTH PARK PUBLIC WATER DISTRICT WATER MAIN

HISTORICAL MAXIMUM GROUNDWATER PLUME, AS PRESENTED BY WESTON IN THE JULY 2003 GDER (BASED ON ALL GROUNDWATER DATA FROM 1990 THROUGH 2002)

MW-03 ● — EXISTING MONITORING WELL LOCATION AND IDENTIFIER

RESIDENCE WITH PRIVATE WELL; CONNECTED TO PUBLIC WATER MAIN

RESIDENCE WITH PRIVATE WELL; NOT CONNECTED TO PUBLIC WATER MAIN

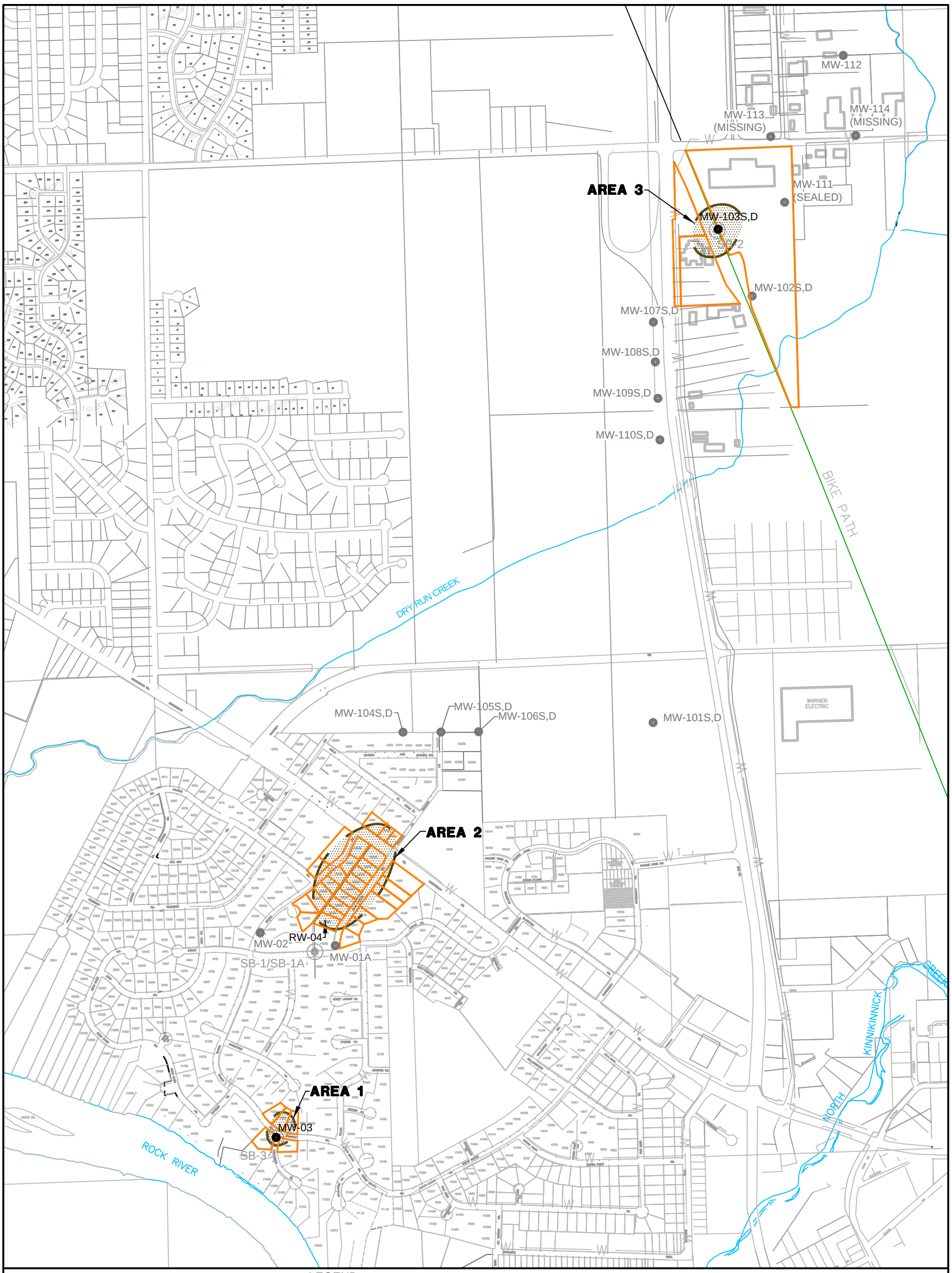
N

0 500 1000ft

figure 4.4

CURRENT RESIDENTIAL WELL LOCATIONS
EVERGREEN MANOR SITE
Roscoe Township, Illinois

34891-00(008)GN-CO008 APR 23/2007



LEGEND:

MW-03 ● EXISTING MONITORING WELL LOCATION AND IDENTIFIER

SB-1 ◉ VERTICAL PROFILE GROUNDWATER SCREENING LOCATION

APPROXIMATE PROPERTY BOUNDARIES

OVAL-SHAPED AREA AS PRESENTED ON FIGURE 5-8 OF THE JULY 2003 GDER

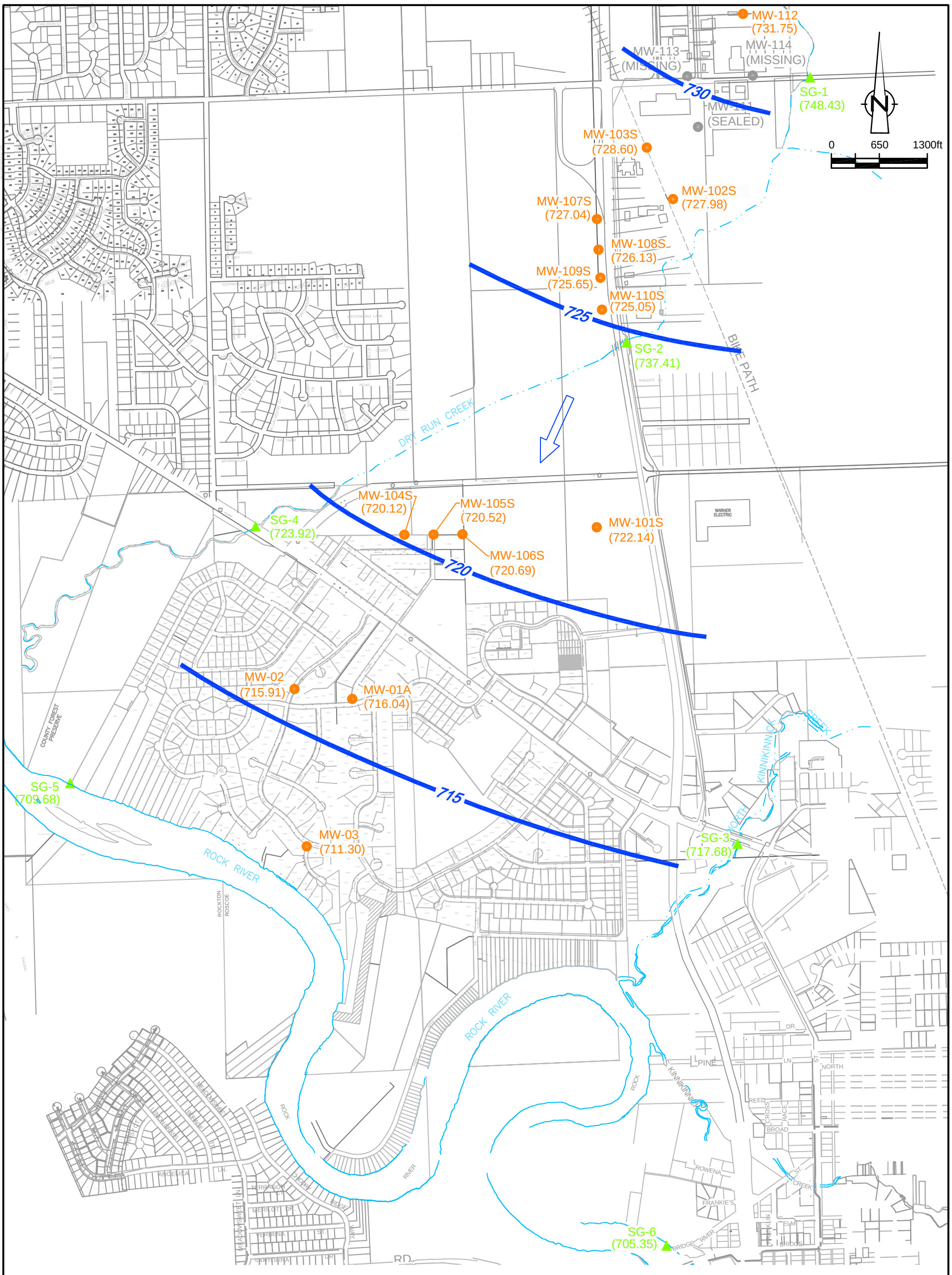
N

0 500 1000ft

figure 4.5

PROPERTY INVENTORY
EVERGREEN MANOR SITE
Roscoe Township, Illinois

34891-00(008)GN-CO009 APR 23/2007



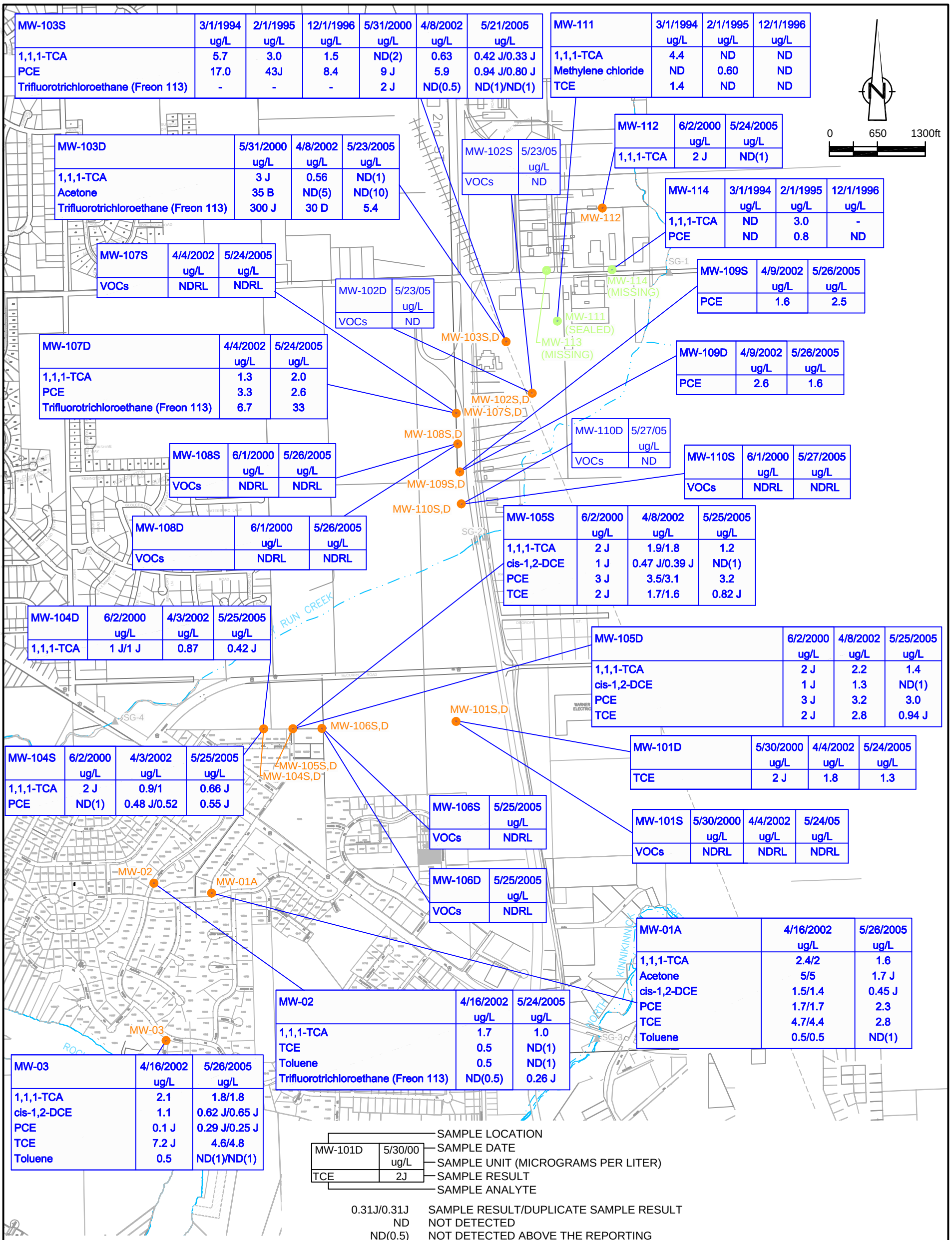
LEGEND:

MW-03 ●	EXISTING MONITORING WELL AND IDENTIFIER
SG-1 ▲	SURFACE WATER ELEVATION MEASUREMENT LOCATION
715	GROUNDWATER CONTOUR
(716.04)	GROUNDWATER ELEVATION (FT. AMSL)
⇨	GROUNDWATER FLOW DIRECTION

figure 5.1

SHALLOW GROUNDWATER CONTOURS
MAY 23, 2005
EVERGREEN MANOR SITE
Roscoe Township, Illinois

34891-00(008)GN-CO003 FEB 10/2006



MW-103S	3/1/1994 ug/L	2/1/1995 ug/L	12/1/1996 ug/L	5/31/2000 ug/L	4/8/2002 ug/L	5/21/2005 ug/L
1,1,1-TCA	5.7	3.0	1.5	ND(2)	0.63	0.42 J/0.33 J
PCE	17.0	43J	8.4	9 J	5.9	0.94 J/0.80 J
Trifluorotrichloroethane (Freon 113)	-	-	-	2 J	ND(0.5)	ND(1)/ND(1)

MW-111	3/1/1994 ug/L	2/1/1995 ug/L	12/1/1996 ug/L
1,1,1-TCA	4.4	ND	ND
Methylene chloride	ND	0.60	ND
TCE	1.4	ND	ND

MW-103D	5/31/2000 ug/L	4/8/2002 ug/L	5/23/2005 ug/L
1,1,1-TCA	3 J	0.56	ND(1)
Acetone	35 B	ND(5)	ND(10)
Trifluorotrichloroethane (Freon 113)	300 J	30 D	5.4

MW-102S	5/23/05 ug/L
VOCs	ND

MW-112	6/2/2000 ug/L	5/24/2005 ug/L
1,1,1-TCA	2 J	ND(1)

MW-114	3/1/1994 ug/L	2/1/1995 ug/L	12/1/1996 ug/L
1,1,1-TCA	ND	3.0	-
PCE	ND	0.8	ND

MW-107S	4/4/2002 ug/L	5/24/2005 ug/L
VOCs	NDRL	NDRL

MW-102D	5/23/05 ug/L
VOCs	ND

MW-109S	4/9/2002 ug/L	5/26/2005 ug/L
PCE	1.6	2.5

MW-107D	4/4/2002 ug/L	5/24/2005 ug/L
1,1,1-TCA	1.3	2.0
PCE	3.3	2.6
Trifluorotrichloroethane (Freon 113)	6.7	33

MW-109D	4/9/2002 ug/L	5/26/2005 ug/L
PCE	2.6	1.6

MW-110D	5/27/05 ug/L
VOCs	ND

MW-108S	6/1/2000 ug/L	5/26/2005 ug/L
VOCs	NDRL	NDRL

MW-110S	6/1/2000 ug/L	5/27/2005 ug/L
VOCs	NDRL	NDRL

MW-108D	6/1/2000 ug/L	5/26/2005 ug/L
VOCs	NDRL	NDRL

MW-105S	6/2/2000 ug/L	4/8/2002 ug/L	5/25/2005 ug/L
1,1,1-TCA	2 J	1.9/1.8	1.2
cis-1,2-DCE	1 J	0.47 J/0.39 J	ND(1)
PCE	3 J	3.5/3.1	3.2
TCE	2 J	1.7/1.6	0.82 J

MW-104D	6/2/2000 ug/L	4/3/2002 ug/L	5/25/2005 ug/L
1,1,1-TCA	1 J/1 J	0.87	0.42 J

MW-105D	6/2/2000 ug/L	4/8/2002 ug/L	5/25/2005 ug/L
1,1,1-TCA	2 J	2.2	1.4
cis-1,2-DCE	1 J	1.3	ND(1)
PCE	3 J	3.2	3.0
TCE	2 J	2.8	0.94 J

MW-101D	5/30/2000 ug/L	4/4/2002 ug/L	5/24/2005 ug/L
TCE	2 J	1.8	1.3

MW-104S	6/2/2000 ug/L	4/3/2002 ug/L	5/25/2005 ug/L
1,1,1-TCA	2 J	0.9/1	0.66 J
PCE	ND(1)	0.48 J/0.52	0.55 J

MW-106S	5/25/2005 ug/L
VOCs	NDRL

MW-101S	5/30/2000 ug/L	4/4/2002 ug/L	5/24/05 ug/L
VOCs	NDRL	NDRL	NDRL

MW-106D	5/25/2005 ug/L
VOCs	NDRL

MW-01A	4/16/2002 ug/L	5/26/2005 ug/L
1,1,1-TCA	2.4/2	1.6
Acetone	5/5	1.7 J
cis-1,2-DCE	1.5/1.4	0.45 J
PCE	1.7/1.7	2.3
TCE	4.7/4.4	2.8
Toluene	0.5/0.5	ND(1)

MW-02	4/16/2002 ug/L	5/24/2005 ug/L
1,1,1-TCA	1.7	1.0
TCE	0.5	ND(1)
Toluene	0.5	ND(1)
Trifluorotrichloroethane (Freon 113)	ND(0.5)	0.26 J

MW-03	4/16/2002 ug/L	5/26/2005 ug/L
1,1,1-TCA	2.1	1.8/1.8
cis-1,2-DCE	1.1	0.62 J/0.65 J
PCE	0.1 J	0.29 J/0.25 J
TCE	7.2 J	4.6/4.8
Toluene	0.5	ND(1)/ND(1)

MW-101D	5/30/00 ug/L
TCE	2J

- MW-101D — SAMPLE LOCATION
- 5/30/00 — SAMPLE DATE
- ug/L — SAMPLE UNIT (MICROGRAMS PER LITER)
- 2J — SAMPLE RESULT
- TCE — SAMPLE ANALYTE

0.31J/0.31J	SAMPLE RESULT/DUPLICATE SAMPLE RESULT
ND	NOT DETECTED
ND(0.5)	NOT DETECTED ABOVE THE REPORTING LIMIT STATED IN PARENTHESES
J	ESTIMATED VALUE
-	NO DATA IN HISTORIC DATABASE
VOCs	VOLATILE ORGANIC COMPOUNDS
NDRL	NONE OF THE DETECTED CONCENTRATIONS EXCEEDED THE LABORATORY REPORTING LIMITS

LEGEND:

MW-03 ● EXISTING MONITORING WELL AND IDENTIFIER

SG-1 ▲ SURFACE WATER ELEVATION MEASUREMENT LOCATION

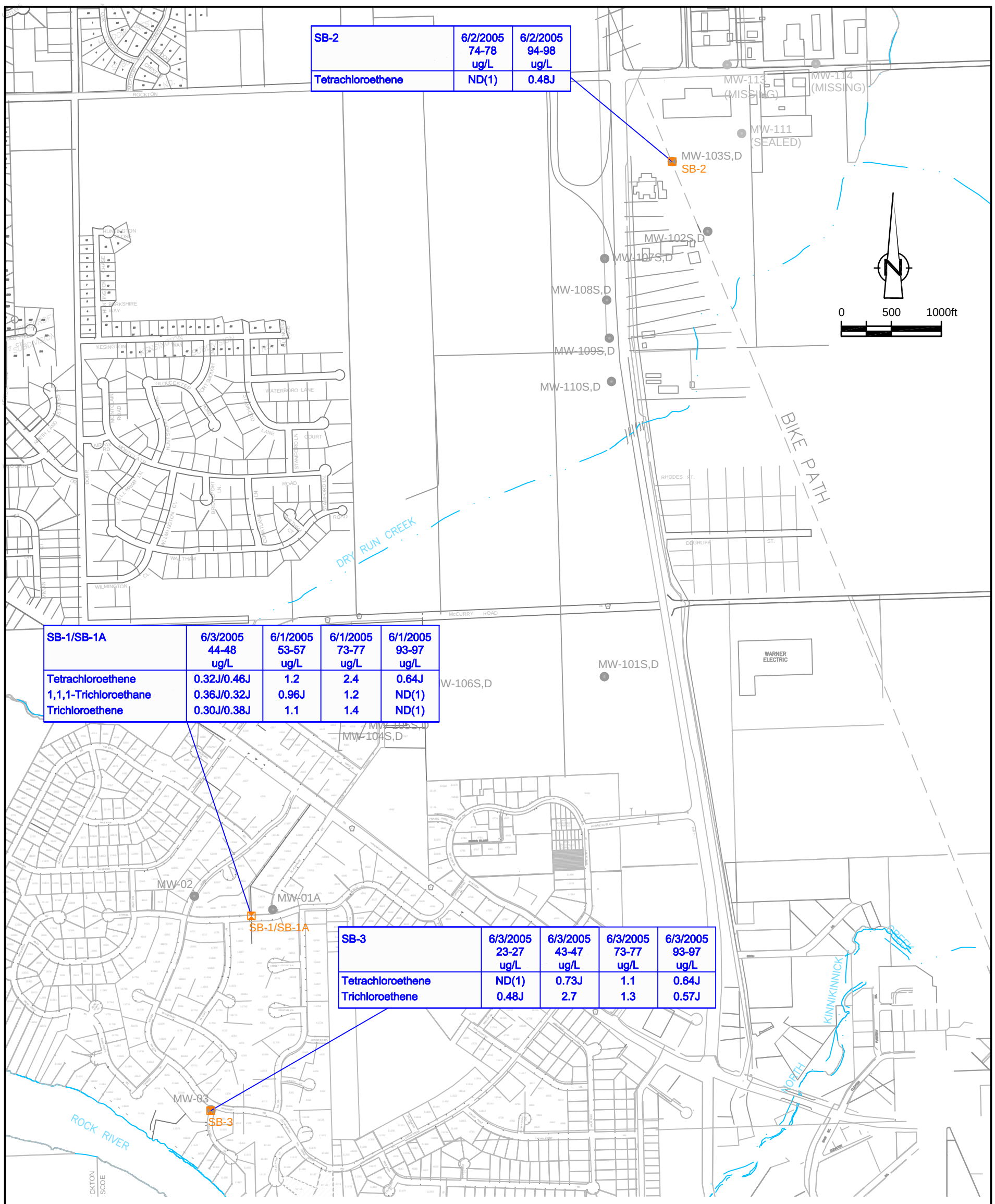
NOTE:

THIS FIGURE ONLY INCLUDES THOSE ANALYTES WHICH ARE LISTED IN TABLE 1 OF THE "SOW" (ATTACHMENT II OF THE AOC) AND WHICH HAD DETECTED CONCENTRATIONS GREATER THAN THE LABORATORY REPORTING LIMITS.

figure 5.2

SUMMARY OF DETECTED VOCs IN MONITORING WELL GROUNDWATER SAMPLES
EVERGREEN MANOR SITE
Roscoe, Illinois

34891-00(008)GN-CO004 APR 23/2007



LEGEND:

MW-03 ● EXISTING MONITORING WELL LOCATION AND IDENTIFIER

SB-1 ⊠ VERTICAL PROFILE GROUNDWATER SCREENING LOCATION

SB-1A	6/1/05	SAMPLE LOCATION
	44-48	SAMPLE DATE
	ug/L	SAMPLE DEPTH (FEET BELOW GROUND SURFACE)
Trichloroethene	1.4	SAMPLE UNIT (MICROGRAMS PER LITER)
		SAMPLE RESULT
		ANALYTE

1.9 / 1.9 SAMPLE RESULT/DUPLICATE SAMPLE RESULT

ND(1) NOT DETECTED ABOVE THE REPORTING LIMIT STATED IN PARENTHESES

J ESTIMATED VALUE

NOTE:

THIS FIGURE ONLY INCLUDES THOSE ANALYTES WHICH ARE LISTED IN TABLE 1 OF THE "SOW" (ATTACHMENT II OF THE AOC) AND WHICH HAD DETECTED CONCENTRATIONS GREATER THAN THE LABORATORY REPORTING LIMITS.

figure 5.3

SUMMARY OF DETECTED VOCs IN VERTICAL PROFILE GROUNDWATER SCREENING SAMPLES
EVERGREEN MANOR SITE
Roscoe Township, Illinois

34891-00(008)GN-CO005 APR 23/2007

TABLE 4.1

MONITORING WELL CONSTRUCTION DETAILS AND SURFACE WATER ELEVATION MEASUREMENT LOCATION INFORMATION
EVERGREEN MANOR SITE
ROSCOE TOWNSHIP, ILLINOIS

	Reference Elevations [1]				*Screened Interval* [2]						*CRA Measurements and Observations*			
	Ground	*Top of*			*Depth*		*Elevation*			*Screen*	*Observed*			
	Surface	*Casing*	*Coordinates* [1]		*From*	*To*	*From*	*To*	*Middle*	*Length*	*Construction*	*Measured Total Depth*		
Location	*(ft AMSL)* [3]	*(ft AMSL)*	*X (Easting)*	*Y (Northing)*	*(ft bgs)* [4]	*(ft bgs)*	*(ft AMSL)*	*(ft AMSL)*	*(ft AMSL)*	*(feet)*	*Material*	*(ft btoc)* [5]	*(ft bgs)*	*Condition/Comments*
MW-01A	752.0	751.66	2602763.56	2102641.28	55	60	697.5	692.5	695.0	5.0	2" S.S.	59.7	60.3	
MW-02	752.9	752.46	2601980.96	2102775.44	65	70	687.64	682.64	685.1	5.0	2" S.S.	70.0	70.5	
MW-03	729.3	728.88	2602146.32	2100642.47	70	75	656.14	651.14	652.9	6.5	2" S.S.	74.6	75.1	
MW-101S	727.6	730.00	2606077.66	2104967.43	30	40	697.5	687.5	692.5	10.0	2" PVC	42.8	40.0	
MW-101D	727.5	730.00	2606075.70	2104977.57	70	80	657.6	647.6	652.6	10.0	2" PVC	82.1	79.3	
MW-102S	768.5	770.90	2607111.65	2109404.75	35	45	733.7	723.7	728.7	10.0	2" PVC	47.9	45.6	
MW-102D	769.0	771.28	2607110.26	2109415.16	55	65	714.1	704.1	709.1	10.0	2" PVC	67.2	65.0	
MW-103S	764.1	766.98	2606755.60	2110112.78	32	42	732.3	722.3	727.3	10.0	2" PVC	45.3	42.6	The lid of the protective casing is broken off
MW-103D	764.3	767.14	2606755.37	2110124.28	45	55	719.4	709.4	714.4	10.0	2" PVC	59.2	56.8	
MW-104S	753.0	755.72	2603469.56	2104866.81	50	60	703.3	693.3	698.3	10.0	2" PVC	62.5	59.7	
MW-104D	752.8	755.26	2603456.18	2104868.38	90	100	663.1	653.1	658.1	10.0	2" PVC	102.5	100.1	The lid of the protective casing is broken off
MW-105S	754.8	757.68	2603877.51	2104869.38	55	65	700.2	690.2	695.2	10.0	2" PVC	68.0	65.4	The lid of the protective casing is broken off
MW-105D	754.9	757.47	2603865.56	2104868.76	90	100	665.3	655.3	660.3	10.0	2" PVC	102.0	99.4	
MW-106S	754.3	756.83	2604268.86	2104872.79	55	65	699.8	689.8	694.8	10.0	2" PVC	67.6	65.4	The lid of the protective casing is broken off
MW-106D	754.2	756.53	2604257.99	2104872.36	90	100	664.5	654.5	659.5	10.0	2" PVC	102.5	100.3	The lid of the protective casing is broken off
MW-107S	763.4	765.81	2606080.31	2109149.79	35	45	728.4	718.4	723.4	10.0	2" PVC	47.5	45.1	The lid of the protective casing is broken off
MW-107D	763.1	766.20	2606080.18	2109143.65	55	65	708.3	698.3	703.3	10.0	2" PVC	67.6	64.9	The lid of the protective casing is broken off
MW-108S	764.2	766.67	2606099.72	2108734.60	35	45	729.4	719.4	724.4	10.0	2" PVC	47.5	45.1	The lid of the protective casing is broken off
MW-108D	764.1	766.63	2606100.82	2108728.82	55	65	709.4	699.4	704.4	10.0	2" PVC	67.6	64.9	The lid of the protective casing is broken off
MW-109S	766.7	769.58	2606125.98	2108357.33	40	50	727.3	717.3	722.3	10.0	2" PVC	52.7	50.2	The lid of the protective casing is broken off
MW-109D	766.8	769.25	2606127.11	2108348.91	60	70	706.9	696.9	701.9	10.0	2" PVC	72.6	70.1	The lid of the protective casing is broken off
MW-110S	745.2	747.93	2606148.61	2107911.40	21	31	724.4	714.4	719.4	10.0	2" PVC	32.7	30.0	The lid of the protective casing is broken off
MW-110D	745.3	748.02	2606148.41	2107916.06	40	50	705.6	695.6	700.6	10.0	2" PVC	52.2	49.5	The lid of the protective casing is broken off
MW-111	NA[6]	NA	NA	NA	38.705	49.765	731.12	720.06	725.6	11.1	- -	- -	- -	Monitoring well was properly abandoned and sealed in 2001
MW-112	772.2	774.00	2608060.25	2111925.05	38.28	48.77	734.06	723.57	728.8	10.5	2" S.S.	49.8	48.0	Protective casing and well casing are slanted
MW-113	NA	NA	NA	NA	39.34	49.88	731.05	720.51	725.8	10.5	- -	- -	- -	Could not locate the monitoring well
MW-114	NA	NA	NA	NA	46.13	56.93	726.36	715.56	721.0	10.8	- -	- -	- -	Could not locate the monitoring well
SG-1	NA	757.97	2608969.99	2111047.65	Dry Run Creek - mark on the concrete below the guardrail, south side of the bridge on Rockton Road									
SG-2	NA	749.23	2606485.04	2107456.58	Dry Run Creek - mark on the concrete, east side of the bridge on the east frontage road of Route 251, middle of creek									
SG-3	NA	736.43	2607987.21	2100662.42	North Kinnikinnick Creek - mark on the concrete, south side of the bridge on Elevator Road, east of Route 251									
SG-4	NA	738.45	2601454.39	2104962.47	Dry Run Creek - mark on the concrete, northeast side of the bridge on Hononegah Road, west of McCurry Road									
SG-5	NA	710.48	2598941.82	2101483.68	Rock River - inside Hononegah County Forest Preserve, southeast boundary of the preserve, mark on the 14th concrete step down from the top going into the River									
SG-6	NA	708.40	2607024.29	2095215.03	Rock River - mark on the corner of top handrail of the metal boat dock, adjacent to Riverside Park, west of the intersection of Bridge Street and Route 251									

[1] The reference elevations and coordinates are taken from the June 6 & 7, 2005 survey data. The coordinates are in the Illinois State Plane Coordinate System.

[2] The information on the screened intervals was obtained from the July 2003 Weston Solutions, Inc. report entitled "Groundwater Data Evaluation Report" (GDER).

[3] ft AMSL - feet Above Mean Sea Level

[4] ft bgs - feet below ground surface

[5] ft btoc - feet below top of casing

[6] NA - Not available

TABLE 4.2

GROUNDWATER ELEVATIONS
EVERGREEN MANOR SITE
ROSCOE TOWNSHIP, ILLINOIS

		February 28 - March 1, 2005		*May 23, 2005*	
Measurement Location	*Reference Elevation (ft AMSL)* [1]	*Depth to Groundwater (ft btoc)* [2]	*Groundwater Elevation (ft AMSL)*	*Depth to Groundwater (ft btoc)*	*Groundwater Elevation (ft AMSL)*
Monitoring Wells					
MW-01A	751.66	34.05	717.61	35.62	716.04
MW-02	752.46	34.81	717.65	36.55	715.91
MW-03	728.88	15.50	713.38	17.58	711.30
MW-101S	730.00	7.20	722.80	7.86	722.14
MW-101D	730.00	7.22	722.78	7.88	722.12
MW-102S	770.90	42.37	728.53	42.92	727.98
MW-102D	771.28	42.79	728.49	43.31	727.97
MW-103S	766.98	37.92	729.06	38.38	728.60
MW-103D	767.14	37.97	729.17	38.42	728.72
MW-104S	755.72	34.59	721.13	35.60	720.12
MW-104D	755.26	34.00	721.26	35.03	720.23
MW-105S	757.68	36.22	721.46	37.16	720.52
MW-105D	757.47	36.30	721.17	36.99	720.48
MW-106S	756.83	35.29	721.54	36.14	720.69
MW-106D	756.53	34.95	721.58	35.81	720.72
MW-107S	765.81	38.23	727.58	38.77	727.04
MW-107D	766.20	38.86	727.34	39.40	726.80
MW-108S	766.67	40.01	726.66	40.54	726.13
MW-108D	766.63	39.91	726.72	40.45	726.18
MW-109S	769.58	43.40	726.18	43.93	725.65
MW-109D	769.25	43.01	726.24	43.60	725.65
MW-110S	747.93	22.25	725.68	22.88	725.05
MW-110D	748.02	22.35	725.67	22.97	725.05
MW-112	774.00	41.79	732.21	42.25	731.75
Surface Water					
SG-1	757.97	NI [3]	- -	9.54	748.43
SG-2	749.23	NI	- -	11.82	737.41
SG-3	736.43	NI	- -	18.75	717.68
SG-4	738.45	NI	- -	14.53	723.92
SG-5	710.48	NI	- -	0.80	709.68
SG-6	708.40	NI	- -	3.05	705.35

[1] ft AMSL - feet above mean sea level. Source: June 6 & 7, 2005 survey data.

[2] ft btoc - feet below top of casing

[3] NI - Not Installed

TABLE 4.3

MONITORING WELL PURGING SUMMARY
PHASE I REMEDIAL DESIGN STUDY
EVERGREEN MANOR
ROSCOE TOWNSHIP, ILLINOIS

Well Identifier	*Date*	*Well Volume (gallons)*	*Volume Purged (gallons)*	*pH (Std. Units)*	*Conductivity (µS/cm)* [1]	*Temperature (°C)*	*Turbidity (ntu)* [2]	*Observations*
MW-01A	5/26/05	3.9	4	7.17	703	12.81	19.0	Clear, no odor
			8	7.20	708	12.90	6.45	Clear, no odor
			12	7.21	710	12.94	4.46	Clear, no odor
MW-02	5/24/05	5.4	5.5	7.19	667	12.66	13.6	Clear, no odor
			11	7.20	668	13.30	5.17	Clear, no odor
			16.5	7.21	667	13.27	3.06	Clear, no odor
			22	7.21	668	13.29	3.08	Clear, no odor
MW-03	5/26/05	9.1	10	7.27	670	12.38	3.55	Clear, no odor
			20	7.27	672	12.42	2.22	Clear, no odor
			30	7.27	672	12.49	2.04	Clear, no odor
MW-101S	5/24/05	5.6	6	7.24	685	11.78	4.95	Clear, no odor
			12	7.22	686	11.79	2.42	Clear, no odor
			18	7.21	686	11.85	2.92	Clear, no odor
MW-101D	5/24/05	11.9	12	7.26	634	12.12	2.78	Clear, no odor
			24	7.23	637	12.11	2.34	Clear, no odor
			36	7.25	624	12.19	3.48	Clear, no odor
MW-102S	5/23/05	0.8	1	7.21	466	12.60	356	Cloudy, no odor
			2	7.21	466	12.45	108	Slightly cloudy
			3	7.23	468	12.40	27.3	Clear
			4	7.24	470	12.38	19.1	Clear
			5	7.23	471	12.41	15.2	Clear
MW-102D	5/23/05	6.2	6.5	7.22	650	12.62	11.6	Clear, no odor
			13	7.18	652	12.65	8.84	Clear, no odor
			19.5	7.15	655	12.62	6.79	Clear, no odor
MW-103S	5/23/05	1.1	1.25	6.98	867	14.81	329	Cloudy, orange, no odor
			2.5	6.96	867	13.98	76.8	Slightly cloudy
			3.75	6.96	863	13.91	25.3	Clear
			5	6.96	864	13.95	14.0	Clear
MW-103D	5/23/05	3.3	3.5	7.17	803	12.92	9.33	Clear, no odor
			7	7.16	810	12.77	5.03	Clear, no odor
			10.5	7.19	812	12.80	4.76	Clear, no odor

TABLE 4.3

MONITORING WELL PURGING SUMMARY
PHASE I REMEDIAL DESIGN STUDY
EVERGREEN MANOR
ROSCOE TOWNSHIP, ILLINOIS

Well Identifier	*Date*	*Well Volume (gallons)*	*Volume Purged (gallons)*	*pH (Std. Units)*	*Conductivity (µS/cm)* [1]	*Temperature (°C)*	*Turbidity (ntu)* [2]	*Observations*
MW-104S	5/25/05	4.3	4.5	7.28	660	11.56	4.14	Clear, no odor
			9	7.25	660	11.60	2.61	Clear, no odor
			13.5	7.24	660	11.60	2.73	Clear, no odor
MW-104D	5/25/05	10.8	11	7.26	662	11.50	6.10	Clear, no odor
			22	7.26	675	11.50	2.73	Clear, no odor
			33	7.23	677	11.56	2.14	Clear, no odor
MW-105S	5/25/05	4.9	5	7.27	724	12.39	2.47	Clear, no odor
			10	7.21	726	12.42	1.87	Clear, no odor
			15	7.20	727	12.40	1.61	Clear, no odor
MW-105D	5/25/05	10.4	10.5	7.19	690	11.64	2.93	Clear, no odor
			21	7.18	692	11.53	1.53	Clear, no odor
			31.5	7.19	691	11.48	1.45	Clear, no odor
MW-106S	5/25/05	5.0	5.5	7.18	713	12.86	1.57	Clear, no odor
			11	7.17	711	12.92	1.44	Clear, no odor
			16.5	7.18	711	13.00	0.97	Clear, no odor
MW-106D	5/25/05	10.7	11	7.22	676	12.59	1.35	Clear, no odor
			22	7.20	677	12.39	1.24	Clear, no odor
			33	7.20	673	12.35	0.94	Clear, no odor
MW-107S	5/24/05	1.4	1.5	7.16	1,005	13.54	246	Cloudy, orange, no odor
			3	7.16	1,002	13.29	82.7	Slightly cloudy, no odor
			4.5	7.16	1,001	13.52	37.6	Clear
			6	7.18	989	13.55	15.5	Clear
MW-107D	5/24/05	4.5	5	7.06	773	13.12	5.01	Clear, no odor
			10	7.05	772	12.83	3.96	Clear, no odor
			15	7.05	771	12.79	2.53	Clear, no odor
MW-108S	5/26/05	1.1	1.25	7.21	959	13.26	1,000	Orange, no odor
			2.5	7.19	924	13.09	76.4	Slightly cloudy, no odor
			3.75	7.19	923	13.10	38.4	Slightly cloudy, no odor
			5.0	7.19	919	12.98	21.4	Clear

TABLE 4.3

MONITORING WELL PURGING SUMMARY
PHASE I REMEDIAL DESIGN STUDY
EVERGREEN MANOR
ROSCOE TOWNSHIP, ILLINOIS

Well Identifier	*Date*	*Well Volume (gallons)*	*Volume Purged (gallons)*	*pH (Std. Units)*	*Conductivity (µS/cm)* [1]	*Temperature (°C)*	*Turbidity (ntu)* [2]	*Observations*
MW-108D	5/26/05	4.3	5	7.14	919	12.37	31.4	Clear, no odor
			10	7.18	902	12.40	11.0	Clear, no odor
			15	7.18	900	12.28	6.13	Clear, no odor
MW-109S	5/26/05	1.4	1.5	7.15	995	13.12	53.7	Clear, no odor
			3.0	7.13	985	13.17	31.4	Clear, no odor
			4.5	7.12	977	13.21	16.2	Clear, no odor
MW-109D	5/26/05	4.6	5	6.78	623	12.72	28.8	Clear, no odor
			10	7.10	628	12.39	11.6	Clear, no odor
			15	7.15	628	12.41	8.15	Clear, no odor
			20	7.16	628	12.32	5.17	Clear, no odor
MW-110S	5/27/05	1.6	2	7.10	853	10.66	661	Cloudy
			4	7.08	847	10.60	271	Cloudy
			6	7.08	846	10.56	89.7	Slightly cloudy
			8	7.07	845	10.61	31.9	Clear
			10	7.07	842	10.66	17.6	Clear
MW-110D	5/27/05	4.7	5	7.18	690	11.31	24.9	Clear, no odor
			10	7.18	690	11.28	12.5	Clear, no odor
			15	7.19	689	11.27	8.89	Clear, no odor
MW-112	5/24/05	1.2	1.5	7.25	635	11.41	28.2	Clear, no odor
			3	7.22	634	11.46	10.3	Clear, no odor
			4.5	7.22	632	11.52	6.82	Clear, no odor

[1] µS/cm - microsiemens per centimeter
[2] ntu - nephelometric turbidity units

TABLE 4.4

SAMPLE SUMMARY
PHASE I REMEDIAL DESIGN STUDY
EVERGREEN MANOR
ROSCOE TOWNSHIP, ILLINOIS

Sample Number	*Sample Location*	*Sample Depth (feet bg)* [1]	*QA/QC* [2]	*Sample Matrix*	*Sample Date*	*Sample Time*	*Analysis*
Monitoring Well Sampling							
GW-052305-JK-001	MW-102S	- -	- -	Water	5/23/05	13:45	VOC [3]
GW-052305-JK-002	MW-102D	- -	- -	Water	5/23/05	14:50	VOC
GW-052305-JK-003	- -	- -	Rinsate	Water	5/23/05	15:00	VOC
GW-052305-JK-004	MW-103S	- -	- -	Water	5/23/05	15:45	VOC
GW-052305-JK-005	MW-103S	- -	Duplicate	Water	5/23/05	15:50	VOC
GW-052305-JK-006	MW-103D	- -	- -	Water	5/23/05	16:50	VOC
GW-052405-JK-007	MW-112	- -	- -	Water	5/24/05	8:35	VOC
GW-052405-JK-008	MW-101S	- -	MS/MSD [4]	Water	5/24/05	9:50	VOC
GW-052405-JK-009	MW-101D	- -	- -	Water	5/24/05	11:25	VOC
GW-052405-JK-010	- -	- -	Rinsate	Water	5/24/05	11:45	VOC
GW-052405-JK-011	MW-107S	- -	- -	Water	5/24/05	13:05	VOC
GW-052405-JK-012	MW-107S	- -	Duplicate	Water	5/24/05	13:10	VOC
GW-052405-JK-013	MW-107D	- -	- -	Water	5/24/05	15:05	VOC
GW-052405-JK-014	MW-02	- -	- -	Water	5/24/05	16:35	VOC
GW-052505-JK-015	MW-104S	- -	- -	Water	5/25/05	9:10	VOC
GW-052505-JK-016	MW-104D	- -	- -	Water	5/25/05	11:00	VOC
GW-052505-JK-017	- -	- -	Rinsate	Water	5/25/05	11:10	VOC
GW-052505-JK-018	MW-105S	- -	- -	Water	5/25/05	12:30	VOC
GW-052505-JK-019	MW-105D	- -	- -	Water	5/25/05	14:15	VOC
GW-052505-JK-020	MW-106S	- -	- -	Water	5/25/05	15:05	VOC
GW-052505-JK-021	MW-106D	- -	- -	Water	5/25/05	17:00	VOC
GW-052605-JK-022	MW-108S	- -	- -	Water	5/26/05	8:50	VOC
GW-052605-JK-023	MW-108D	- -	- -	Water	5/26/05	9:50	VOC

TABLE 4.4

SAMPLE SUMMARY
PHASE I REMEDIAL DESIGN STUDY
EVERGREEN MANOR
ROSCOE TOWNSHIP, ILLINOIS

Sample Number	*Sample Location*	*Sample Depth (feet bg)* [1]	*QA/QC* [2]	*Sample Matrix*	*Sample Date*	*Sample Time*	*Analysis*
Monitoring Well Sampling (Cont.)							
GW-052605-JK-024	MW-03	- -	- -	Water	5/26/05	11:55	VOC
GW-052605-JK-025	MW-03	- -	Duplicate	Water	5/26/05	12:15	VOC
GW-052605-JK-026	MW-01A	- -	- -	Water	5/26/05	13:50	VOC
GW-052605-JK-027	- -	- -	Rinsate	Water	5/26/05	14:00	VOC
GW-052605-JK-028	MW-109S	- -	- -	Water	5/26/05	14:40	VOC
GW-052605-JK-029	MW-109D	- -	- -	Water	5/26/05	16:15	VOC
GW-052705-JK-030	MW-110S	- -	MS/MSD	Water	5/27/05	9:25	VOC
GW-052705-JK-031	- -	- -	Rinsate	Water	5/27/05	9:35	VOC
GW-052705-JK-032	MW-110D	- -	- -	Water	5/27/05	10:40	VOC
Vertical Profile Groundwater Screening							
GW-060105-AJ-033	SB-1	53 to 57	- -	Water	6/1/05	14:30	VOC
S-060105-AJ-034	SB-1	10 to 12	- -	Soil	6/1/05	9:30	Canceled [5]
GW-060105-AJ-035	SB-1	73 to 77	- -	Water	6/1/05	17:20	VOC
GW-060105-AJ-036	SB-1	93 to 97	- -	Water	6/1/05	18:07	VOC
GW-060205-AJ-037	SB-2	74 to 78	- -	Water	6/2/05	13:58	VOC
S-060205-AJ-038	SB-2	12.5 to 15	- -	Soil	6/2/05	10:08	VOC
GW-060205-AJ-039	SB-2	94 to 98	- -	Water	6/2/05	16:45	VOC
S-060305-AJ-040	SB-3	15 to 17.5	- -	Soil	6/3/05	7:40	VOC
GW-060305-AJ-041	SB-3	23 to 27	- -	Water	6/3/05	8:50	VOC
GW-060305-AJ-042	SB-3	43 to 47	- -	Water	6/3/05	10:00	VOC
GW-060305-AJ-043	SB-3	73 to 77	- -	Water	6/3/05	11:42	VOC
GW-060305-AJ-044	SB-3	93 to 97	MS/MSD	Water	6/3/05	14:05	VOC

TABLE 4.4

SAMPLE SUMMARY
PHASE I REMEDIAL DESIGN STUDY
EVERGREEN MANOR
ROSCOE TOWNSHIP, ILLINOIS

Sample Number	*Sample Location*	*Sample Depth (feet bg)* [1]	*QA/QC* [2]	*Sample Matrix*	*Sample Date*	*Sample Time*	*Analysis*
Vertical Profile Groundwater Screening (Cont.)							
W-060305-AJ-045	- -	- -	Pump Rinsate	Water	6/3/05	14:15	VOC
S-060305-AJ-046	SB-1A	10 to 12.5	MS/MSD	Soil	6/3/05	15:45	VOC
S-060305-AJ-047	SB-1A	10 to 12.5	Duplicate	Soil	6/3/05	15:48	VOC
GW-060305-AJ-048	SB-1A	44 to 48	- -	Water	6/3/05	16:48	VOC
GW-060305-AJ-049	SB-1A	44 to 48	Duplicate	Water	6/3/05	16:58	VOC
W-060305-AJ-050	- -	- -	Field Blank	Water	6/3/05	15:05	VOC

[1] feet bg - feet below grade
[2] QA/QC - Quality Assurance/Quality Control
[3] VOC - volatile organic compounds
[4] MS/MSD - matrix spike/matrix spike duplicate
[5] This sample was subsequently canceled and replaced with soil sample S-060305-AJ-046.

TABLE 4.5

VERTICAL PROFILE GROUNDWATER SCREENING PURGING SUMMARY
PHASE I REMEDIAL DESIGN STUDY
EVERGREEN MANOR SITE
ROSCOE TOWNSHIP, ILLINOIS

Location	*Date*	*Depth Interval (ft bgs)* [1]	*Volume Purged (gallons)*	*pH (Std. Units)*	*Conductivity (µS/cm)* [2]	*Temperature (°C)*	*Observations*
SB-1A	6/3/05	44-48	10	7.64	891	15.2	Cloudy
			20	7.59	885	15.3	Slightly cloudy
			30	7.53	880	15.0	Clear
			40	7.54	888	14.5	Clear
			50	7.49	887	14.0	Clear
			60	7.53	887	14.2	Clear
SB-1	6/1/05	53-57	20	7.68	805	21.4	Slightly cloudy
			30	7.63	839	17.3	Slightly cloudy
			40	7.64	838	17.5	Slightly cloudy
			50	7.62	835	17.1	Clear
SB-1	6/1/05	73-77	10	8.35	558	21.7	Slightly cloudy
			20	7.87	639	19.6	Cloudy
			30	7.73	684	18.6	Cloudy
			40	7.66	697	18.2	Slightly cloudy
			50	7.69	708	18.2	Clear
SB-1	6/1/05	93-97	20	8.53	483	21.6	Cloudy
			30	8.45	494	21.8	Cloudy
			40	8.47	496	21.7	Cloudy
SB-2	6/2/05	74-78	10	8.08	680	19.5	Slightly cloudy
			20	8.02	670	19.4	Clear
			30	8.07	683	19.3	Clear
SB-2	6/2/05	94-98	10	7.79	662	24.3	Cloudy, effervescent
			20	7.76	655	24.0	Cloudy, effervescent
			30	7.68	646	24.3	Slightly cloudy, effervescent
			40	7.70	641	24.1	Slightly cloudy, effervescent
			50	7.70	640	24.3	Slightly cloudy, effervescent

TABLE 4.5

VERTICAL PROFILE GROUNDWATER SCREENING PURGING SUMMARY
PHASE I REMEDIAL DESIGN STUDY
EVERGREEN MANOR SITE
ROSCOE TOWNSHIP, ILLINOIS

Location	*Date*	*Depth Interval (ft bgs)* [1]	*Volume Purged (gallons)*	*pH (Std. Units)*	*Conductivity (µS/cm)* [2]	*Temperature (°C)*	*Observations*
SB-3	6/3/05	23-27	10	7.63	932	14.1	Brown, cloudy
			20	7.55	879	14.0	Slightly cloudy
			30	7.56	879	13.8	Slightly cloudy
			40	7.54	872	13.8	Clear
SB-3	6/3/05	43-47	10	7.80	690	17.2	Cloudy
			20	7.69	679	16.2	Slightly cloudy
			30	7.69	679	16.0	Slightly cloudy
			40	7.65	674	16.0	Clear
SB-3	6/3/05	73-77	10	8.08	687	18.9	Brown, cloudy
			20	8.27	686	18.9	Brown, cloudy
			30	8.29	693	19.1	Brown, cloudy
			40	8.24	691	19.1	Brown, cloudy
			50	8.17	690	19.3	Brown, cloudy
			60	8.20	691	19.1	Brown, cloudy
SB-3	6/3/05	93-97	10	8.00	700	19.3	Brown, cloudy
			30	7.97	701	19.1	Cloudy
			40	7.96	697	18.9	Slightly cloudy
			50	7.96	699	18.9	Slightly cloudy

[1] ft bgs - feet below ground surface
[2] µS/cm - microsiemens per centimeter

TABLE 4.6

RESIDENTIAL WELL STATUS INFORMATION [1]
EVERGREEN MANOR SUBDIVISION
EVERGREEN MANOR SITE
ROSCOE TOWNSHIP, ILLINOIS

Address	*Coordinates*		*Was Well Sampled?*	*Is Residence Connected to Public Water?*	*Has Well Been Sealed?*	*Well Sealing Date*	*Comment*
	X	*Y*					
4345 Adele	2602702.799	2104532.88	Yes	Yes	Yes	8/31/00	
4357 Adele	2602768.57	2104450.54	Yes	Yes	Yes	8/31/00	
4369 Adele	2602859.658	2104408.069	Yes	Yes	Yes	8/31/00	
4403 Adele	2603020.95	2104289.27	Yes	Yes	Yes	8/16/00	
4410 Adele	2603125.292	2104509.157	Yes	Yes	Yes	8/11/00	
4415 Adele	2603101.594	2104229.873	Yes	Yes	Yes	8/10/00	
4427 Adele	2603182.24	2104170.478	Yes	Yes	Yes	8/24/00	
4428 Adele	2603259.311	2104461.867	Yes	Yes	Yes	9/1/00	
4440 Adele	2603382.171	2104328.238	Yes	Yes	Yes	8/24/00	
4445 Adele	2603262.884	2104111.076	Yes	Yes	Yes	8/10/00	
4460 Adele	2603506.131	2104286.002	Yes	Yes	Yes	8/31/00	
4463 Adele	2603343.53	2104051.68	Yes	Yes	Yes	8/10/00	
4478 Adele	2603619.302	2104176.787	Yes	Yes	Yes	8/24/00	
4481 Adele	2603424.174	2103992.281	Yes	Yes	Yes	8/10/00	
11555 Balsa	2602925.427	2100657.839	Yes	Yes	Yes	3/31/00	
11612 Balsa	2602678.222	2100868.287	Yes	Yes	Yes	3/30/00	
11654 Balsa	2602669.678	2101029.56	Yes	Yes	Yes	3/30/00	
11686 Balsa	2602677.267	2101199.773	Yes	Yes	Yes	3/30/00	
11695 Balsa	2603087.719	2101202.017	Yes	Yes	Yes	4/14/00	
11708 Balsa	2602797.525	2101307.843	Yes	Yes	Yes	3/30/00	
11731 Balsa	2603219.882	2101494.106	Yes	Yes	Yes	4/21/00	
11732 Balsa	2602947.815	2101382.563	Yes	Yes	Yes	4/21/00	
11763 Balsa	2603214.874	2101671.601	Yes	Yes	Yes	3/31/00	
11780 Balsa	2602970.206	2101762.218	Yes	Yes	Yes	4/5/00	
11785 Balsa	2603211.892	2101781.426	Yes	Yes	Yes	4/14/00	
11807 Balsa	2603208.916	2101891.249	Yes	Yes	Yes	4/14/00	
11818 Balsa	2602965.772	2101961.688	Yes	Yes	Yes	4/6/00	
11825 Balsa	2603205.939	2102001.068	Yes	Yes	Yes	4/21/00	
11849 Balsa	2603202.954	2102110.891	Yes	Yes	Yes	4/6/00	
11864 Balsa	2602949.907	2102198.357	Yes	Yes	Yes	4/6/00	
11867 Balsa	2603199.973	2102220.713	Yes	Yes	Yes	4/14/00	
11889 Balsa	2603196.994	2102330.536	Yes	Yes	Yes	4/6/00	
11892 Balsa	2602946.566	2102353.542	Yes	Yes	Yes	4/28/00	
12331 Beecher	2602617.729	2104586.262	Yes	Yes	Yes	9/7/00	
12385 Beecher	2602779.907	2104772.24	Yes	Yes	Yes	9/9/00	
11504 BendRiver	2601451.437	2100578.947	Yes	Yes	Yes	9/7/00	
11952 BlueSpruce	2602637.57	2102653.818	Yes	Yes	Yes	7/20/00	
11974 BlueSpruce	2602635.623	2102776.041	Yes	Yes	Yes	7/20/00	RW-19
11975 BlueSpruce	2602899.894	2102720.581	Yes	Yes	Yes	8/3/00	
11990 BlueSpruce	2602671.22	2102885.419	Yes	Yes	Yes	7/20/00	RW-04/RW04-01
12004 BlueSpruce	2602741.289	2102982.57	Yes	Yes	Yes	7/26/00	
12017 BlueSpruce	2602970.563	2102855.531	Yes	Yes	Yes	8/9/00	
12022 BlueSpruce	2602808.893	2103066.192	Yes	Yes	Yes	7/28/00	
12031 BlueSpruce	2603066.116	2102959.131	Yes	Yes	Yes	8/4/00	
12044 BlueSpruce	2602868.874	2103146.213	Yes	Yes	Yes	7/26/00	
12053 BlueSpruce	2603174.531	2103017.1	Yes	Yes	Yes	7/20/00	

TABLE 4.6

RESIDENTIAL WELL STATUS INFORMATION [1]
EVERGREEN MANOR SUBDIVISION
EVERGREEN MANOR SITE
ROSCOE TOWNSHIP, ILLINOIS

Address	*Coordinates*		*Was Well Sampled?*	*Is Residence Connected to Public Water?*	*Has Well Been Sealed?*	*Well Sealing Date*	*Comment*
	X	*Y*					
12062 BlueSpruce	2602928.849	2103226.234	Yes	Yes	Yes	7/26/00	
12075 BlueSpruce	2603246.721	2103087.975	Yes	Yes	Yes	7/21/00	
12080 BlueSpruce	2602988.831	2103306.255	Yes	Yes	Yes	7/20/00	
12091 BlueSpruce	2603313.516	2103162.838	Yes	Yes	Yes	7/20/00	
12102 BlueSpruce	2603048.811	2103386.278	Yes	Yes	Yes	7/21/00	
12118 BlueSpruce	2603108.791	2103466.3	Yes	Yes	Yes	7/21/00	
12146 BlueSpruce	2603182.038	2103569.09	Yes	Yes	Yes	7/21/00	
4156 Buggywhip	2601847.864	2101678.541	Yes	Yes	Yes	5/19/00	
4175 Buggywhip	2601839.671	2101417.331	Yes	Yes	Yes	5/19/00	
4201 Buggywhip	2601971.917	2101335.551	Yes	Yes	Yes	5/4/00	
4217 Buggywhip	2602058.272	2101271.725	Yes	Yes	Yes	5/4/00	
4232 Buggywhip	2602291.059	2101434.28	Yes	Yes	Yes	5/12/00	
4237 Buggywhip	2602136.735	2101202.565	Yes	Yes	Yes	5/4/00	
4254 Buggywhip	2602394.646	2101392.511	Yes	Yes	Yes	5/12/00	
4257 Buggywhip	2602205.418	2101117.63	Yes	Yes	Yes	5/19/00	
4272 Buggywhip	2602473.3	2101327.704	Yes	Yes	Yes	5/12/00	
4279 Buggywhip	- -	- -	No	Yes	Yes	5/25/00	
4290 Buggywhip	2602496.845	2101173.112	Yes	Yes	Yes	5/4/00	
4295 Buggywhip	2602466.898	2101012.101	Yes	Yes	Yes	5/12/00	
11143 Cedarbrook	2602847.307	2100368.696	Yes	Yes	Yes	6/9/00	
11174 Cedarbrook	2602986.699	2100525.017	Yes	Yes	Yes	6/9/00	
12160 Frances	2603504.323	2103933.106	Yes	Yes	Yes	9/1/00	
12264 Frances	2603720.974	2104317.355	Yes	Yes	Yes	9/7/00	
12267 Frances	2604090.404	2104356.339	Yes	Yes	Yes	8/11/00	
12301 Frances	2603944.442	2104568.418	Yes	Yes	Yes	8/16/00	
12303 Frances	2604055.077	2104569.295	Yes	Yes	Yes	9/7/00	
12305 Frances	2604183.437	2104553.222	Yes	Yes	Yes	9/7/00	
4309 Grainery	2602711.684	2100438.18	Yes	Yes	Yes	5/5/00	
4312 Grainery	2602682.85	2100716.16	Yes	Yes	Yes	3/27/00	
4317 Grainery	2602624.49	2100493.019	Yes	Yes	Yes	6/2/00	
4325 Grainery	2602525.926	2100501.794	Yes	Yes	Yes	6/23/00	
4328 Grainery	2602522.396	2100787.484	Yes	Yes	Yes	6/2/00	
4351 Grainery	2602421.416	2100506.456	Yes	Yes	Yes	6/23/00	
4354 Grainery	2602422.973	2100784.929	Yes	Yes	Yes	7/6/00	
4376 Grainery	2602315.397	2100782.632	Yes	Yes	Yes	6/2/00	
4381 Grainery	2602264.439	2100555.925	Yes	Yes	Yes	6/23/00	
11733 Hayloft	2602158.373	2101503.405	Yes	Yes	Yes	5/25/00	
11740 Hayloft	2601980.427	2101627.892	Yes	Yes	Yes	5/19/00	
11761 Hayloft	2602239.456	2101625.503	Yes	Yes	Yes	6/2/00	
11772 Hayloft	2602025.029	2101778.265	Yes	Yes	Yes	5/12/00	
11775 Hayloft	2602397.316	2101571.491	Yes	Yes	Yes	5/19/00	
11793 Hayloft	2602484.743	2101644.697	Yes	Yes	Yes	6/23/00	
11803 Hayloft	2602477.664	2101806.384	Yes	Yes	Yes	5/19/00	
11804 Hayloft	2602088.076	2101863.702	Yes	Yes	Yes	6/23/00	
11821 Hayloft	2602366.741	2101871.787	Yes	Yes	Yes	5/19/00	
11828 Hayloft	2602120.021	2101959.126	Yes	Yes	Yes	5/25/00	

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RESIDENTIAL WELL STATUS INFORMATION [1]
EVERGREEN MANOR SUBDIVISION
EVERGREEN MANOR SITE
ROSCOE TOWNSHIP, ILLINOIS

Address	*Coordinates*		*Was Well Sampled?*	*Is Residence Connected to Public Water?*	*Has Well Been Sealed?*	*Well Sealing Date*	*Comment*
	X	*Y*					
11847 Hayloft	2602442.288	2101991.291	Yes	Yes	Yes	5/12/00	
11850 Hayloft	2602152.025	2102053.764	Yes	Yes	Yes	4/28/00	
11865 Hayloft	2602446.433	2102106.952	Yes	Yes	Yes	5/19/00	
11868 Hayloft	2602165.498	2102152.359	Yes	Yes	Yes	6/29/00	
11887 Hayloft	2602441.917	2102220.993	Yes	Yes	Yes	5/19/00	
11890 Hayloft	2602171.058	2102258.995	Yes	Yes	Yes	6/2/00	
11909 Hayloft	2602437.25	2102332.47	Yes	Yes	Yes	5/19/00	
4302 Honey Locust	2602610.176	2102105.179	Yes	Yes	Yes	4/6/00	
4317 Honey Locust	2602639.508	2101948.147	Yes	Yes	Yes	4/21/00	
4324 Honey Locust	2602662.347	2102235.66	Yes	Yes	Yes	4/21/00	
4333 Honey Locust	2602813.566	2101928.538	Yes	Yes	Yes	4/5/00	
4338 Honey Locust	2602814.126	2102249.984	Yes	Yes	Yes	4/6/00	
4318 Hononegah	2602543.759	2104398.09	Yes	Yes	Yes	8/31/00	
4325 Hononegah	2602431.495	2103995.917	Yes	Yes	Yes	8/24/00	
4330 Hononegah	2602661.105	2104307.35	Yes	Yes	Yes	9/7/00	
4337 Hononegah	2602512.089	2103937.152	Yes	Yes	Yes	8/18/00	
4342 Hononegah	2602741.815	2104248.237	Yes	Yes	Yes	9/9/00	
4352 Hononegah	2602822.535	2104189.133	Yes	Yes	Yes	9/1/00	
4355 Hononegah	2602684.889	2103757.504	Yes	Yes	Yes	8/10/00	
4366 Hononegah	2602903.254	2104130.021	Yes	Yes	Yes	8/10/00	
4390 Hononegah	2602983.97	2104070.91	Yes	Yes	Yes	8/10/00	
4402 Hononegah	2603064.684	2104011.796	Yes	Yes	Yes	9/1/00	
4420 Hononegah	2603185.728	2103923.149	Yes	Yes	Yes	9/1/00	
4434 Hononegah	2603306.831	2103834.462	Yes	Yes	Yes	9/1/00	
4444 Hononegah	2603434.202	2103838.54	Yes	Yes	Yes	8/31/00	
4483 Hononegah	2603442.505	2103307.462	Yes	Yes	Yes	8/31/00	
4562 Hononegah	2603976.363	2103698.184	Yes	No	No	- -	
4435 Jennifer	2603262.005	2101187.711	Yes	Yes	Yes	9/15/00	
4381 Lee Ash	2602949.665	2100811.918	Yes	Yes	Yes	3/27/00	
4386 Lee Ash	2602963.227	2101052.559	Yes	Yes	Yes	4/29/00	
4413 Lee Ash	2603127.894	2100727.051	Yes	Yes	Yes	9/15/00	
4428 Lee Ash	2603197.12	2101006.51	Yes	Yes	Yes	9/15/00	
4435 Lee Ash	2603273.657	2100800.253	Yes	Yes	Yes	9/15/00	
4322 Matthew	2602906.816	2104746.496	Yes	Yes	No	- -	
4408 Matthew	2603127.525	2104757.18	Yes	Yes	Yes	9/7/00	
4460 Matthew	2603327.635	2104758.483	Yes	Yes	Yes	8/16/00	
4463 Matthew	2603365.403	2104492.723	Yes	Yes	Yes	8/10/00	
4474 Matthew	2603427.695	2104759.137	Yes	Yes	Yes	8/16/00	
4489 Matthew	2603465.397	2104493.382	Yes	Yes	Yes	9/7/00	
4504 Matthew	2603527.755	2104759.789	Yes	Yes	No	- -	
4509 Matthew	2603566.249	2104494.603	Yes	Yes	Yes	8/18/00	
4536 Matthew	2603630.204	2104760.916	Yes	Yes	No	- -	
4539 Matthew	2603668.233	2104494.847	Yes	Yes	Yes	8/18/00	
4566 Matthew	2603735.074	2104761.598	Yes	Yes	Yes	8/18/00	
4567 Matthew	2603770.368	2104494.955	Yes	Yes	Yes	8/11/00	
4005 Oatseed	- -	- -	No	Yes	Yes	7/21/00	

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RESIDENTIAL WELL STATUS INFORMATION [1]
EVERGREEN MANOR SUBDIVISION
EVERGREEN MANOR SITE
ROSCOE TOWNSHIP, ILLINOIS

Address	*Coordinates*		*Was Well Sampled?*	*Is Residence Connected to Public Water?*	*Has Well Been Sealed?*	*Well Sealing Date*	*Comment*
	X	*Y*					
4029 Oatseed	2601620.394	2100843.986	Yes	Yes	Yes	7/26/00	
4045 Oatseed	2601707.539	2100983.747	Yes	Yes	Yes	6/29/00	
4304 Pfister	2602621.725	2101634.89	Yes	Yes	Yes	4/28/00	
4321 Pfister	2602656.026	2101498.261	Yes	Yes	Yes	3/30/00	
4328 Pfister	2602661.81	2101776.61	Yes	Yes	Yes	4/28/00	
4337 Pfister	2602726.554	2101432.789	Yes	Yes	Yes	3/30/00	
4340 Pfister	2602831.257	2101789.213	Yes	Yes	Yes	3/30/00	
4361 Pfister	2602958.094	2101537.309	Yes	Yes	Yes	3/30/00	
4128 Straw	2601625.482	2102738.037	Yes	Yes	Yes	5/4/00	
4156 Straw	2601783.134	2102705.636	Yes	Yes	Yes	4/28/00	
4201 Straw	2601964.252	2102415.018	Yes	Yes	Yes	5/5/00	
4217 Straw	2602085.095	2102405.313	Yes	Yes	Yes	4/28/00	
4235 Straw	2602203.51	2102411.728	Yes	Yes	Yes	6/9/00	
4238 Straw	2602168.614	2102656.336	Yes	Yes	Yes	4/21/00	
4246 Straw	2602274.915	2102674.179	Yes	Yes	Yes	4/14/00	
4262 Straw	2602374.75	2102680.777	Yes	Yes	Yes	5/25/00	
4273 Straw	2602433.183	2102452.413	Yes	Yes	Yes	4/14/00	
4288 Straw	2602475.261	2102708.417	Yes	Yes	Yes	6/23/00	
4303 Straw	2602600.519	2102415.939	Yes	Yes	Yes	5/4/00	
4325 Straw	2602706.35	2102427.634	Yes	Yes	Yes	5/4/00	
4341 Straw	2602813.594	2102441.067	Yes	Yes	Yes	5/4/00	
4367 Straw	2602943.415	2102509.899	Yes	Yes	Yes	4/28/00	
4396 Straw	2603098.367	2102782.427	Yes	Yes	Yes	4/28/00	
4411 Straw	2603190.716	2102562.714	Yes	Yes	Yes	4/21/00	
4420 Straw	2603227.919	2102808.404	Yes	Yes	Yes	4/28/00	
4443 Straw	- -	- -	No	Yes	Yes	4/28/00	
4454 Straw	2603347.42	2102797.098	Yes	Yes	Yes	4/28/00	
4472 Straw	2603416.042	2102885.126	Yes	Yes	Yes	4/21/00	
4486 Straw	2603495.188	2102969.318	Yes	Yes	Yes	4/21/00	
4490 Straw	2603600.96	2103054.31	Yes	Yes	Yes	4/21/00	
4501 Straw	- -	- -	No	Yes	Yes	5/4/00	
4502 Straw	2603723.115	2103107.622	Yes	Yes	Yes	4/28/00	
4514 Straw	2603848.66	2103040.162	Yes	No	No	- -	RW-05/RW05-01
4527 Straw	2603787.309	2102733.397	Yes	No	No	- -	
11405 Tanawingo	- -	- -	No	Yes	Yes	6/2/00	
11412 Tanawingo	2602404.811	2099893.777	Yes	Yes	Yes	8/16/00	
11431 Tanawingo	2602516.211	2100189.171	Yes	Yes	Yes	7/14/00	
11438 Tanawingo	2602280.61	2099955.61	Yes	Yes	Yes	7/21/00	
11453 Tanawingo	- -	- -	No	Yes	Yes	8/16/00	
11460 Tanawingo	2602198.648	2100064.874	Yes	Yes	Yes	8/4/00	
11503 Tanawingo	2602337.885	2100333.238	Yes	Yes	Yes	7/14/00	
11506 Tanawingo	2602124.031	2100131.227	Yes	Yes	Yes	8/4/00	
11528 Tanawingo	2602052.574	2100205.995	Yes	Yes	Yes	8/9/00	
11535 Tanawingo	- -	- -	No	Yes	Yes	6/23/00	
11542 Tanawingo	2601981.418	2100270.549	Yes	Yes	Yes	8/9/00	
11558 Tanawingo	2601916.51	2100337.564	Yes	Yes	Yes	8/4/00	

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	X	*Y*					
11570 Tanawingo	2601778.718	2100428.179	Yes	Yes	Yes	6/29/00	
12031 Tresemer	2601702.651	2102960.792	Yes	Yes	Yes	7/28/00	RW-22
12055 Tresemer	2601791.264	2103046.124	Yes	Yes	Yes	7/28/00	RW-20
12067 Tresemer	2601864.421	2103142.99	Yes	Yes	Yes	8/4/00	
12105 Tresemer	2601929.037	2103234.502	Yes	Yes	Yes	8/3/00	
12137 Tresemer	2601994.474	2103322.401	Yes	Yes	Yes	8/4/00	
12169 Tresemer	2602059.912	2103410.304	Yes	Yes	Yes	6/30/00	
12205 Tresemer	- -	- -	No	Yes	Yes	7/28/00	
12245 Tresemer	2602210.784	2103948.105	Yes	Yes	Yes	8/3/00	
12263 Tresemer	2602285.245	2104049.515	Yes	Yes	Yes	8/3/00	
12289 Tresemer	2602362.059	2104155.162	Yes	Yes	Yes	8/3/00	
11120 Valentine	2602661.411	2099968.527	Yes	Yes	Yes	6/23/00	
11134 Valentine	2602670.917	2100154.746	Yes	Yes	Yes	6/23/00	
11148 Valentine	2602731.227	2100275.88	Yes	Yes	Yes	6/9/00	
4234 Valerie	2602249.853	2103748.534	Yes	Yes	Yes	7/26/00	RW-11/RW11-01
4245 Valerie	2602133.116	2103508.37	Yes	Yes	Yes	7/28/00	
4256 Valerie	- -	- -	No	Yes	Yes	7/28/00	
4264 Valerie	2602394.242	2103599.741	Yes	Yes	Yes	8/11/00	
4267 Valerie	2602236.77	2103395.433	Yes	Yes	Yes	8/4/00	
4282 Valerie	2602486.571	2103533.598	Yes	Yes	Yes	7/28/00	
11501 Wagon	2602211.64	2100827.468	Yes	Yes	Yes	6/9/00	
11511 Wagon	2601981.62	2101077.403	Yes	Yes	Yes	6/9/00	
11512 Wagon	2602024.647	2100620.02	Yes	Yes	Yes	6/29/00	
11525 Wagon	2602127.552	2100898.63	Yes	Yes	Yes	7/7/00	
11530 Wagon	2601921.709	2100718.36	Yes	Yes	Yes	6/29/00	
11546 Wagon	2601858.426	2100807.657	Yes	Yes	Yes	7/7/00	
11549 Wagon	2602066.183	2100991.226	Yes	Yes	Yes	6/2/00	
11568 Wagon	2601795.39	2100895.21	Yes	Yes	Yes	7/7/00	
11593 Wagon	2601882.77	2101167.69	Yes	Yes	Yes	6/9/00	
11603 Wagon	2601778.349	2101251.18	Yes	Yes	Yes	6/9/00	
11612 Wagon	2601544.408	2101109.193	Yes	Yes	Yes	6/23/00	
11629 Wagon	2601662.867	2101333.697	Yes	Yes	Yes	7/7/00	
11679 Wagon	2601646.47	2101492.485	Yes	Yes	Yes	6/29/00	
11781 Wagon	2601720.836	2101730.895	Yes	Yes	Yes	6/23/00	
11801 Wagon	2601824.423	2101850.376	Yes	Yes	Yes	6/29/00	
11823 Wagon	2601862.466	2101945.603	Yes	Yes	Yes	6/30/00	
11845 Wagon	2601901.893	2102049.224	Yes	Yes	Yes	7/14/00	
11869 Wagon	2601940.299	2102160.361	Yes	Yes	Yes	6/29/00	
11874 Wagon	2601686.435	2102287.637	Yes	Yes	Yes	6/30/00	
11885 Wagon	2601969.561	2102269.93	Yes	Yes	Yes	6/9/00	
11892 Wagon	2601708.967	2102382.346	Yes	Yes	Yes	6/29/00	
11910 Wagon	2601728.865	2102493.999	Yes	Yes	Yes	6/30/00	
11943 Wagon	2602025.681	2102655.077	Yes	Yes	Yes	7/28/00	RW-08
11966 Wagon	2601852.634	2102824.993	Yes	Yes	Yes	7/21/00	
11975 Wagon	2602108.379	2102796.642	Yes	Yes	Yes	7/26/00	
11990 Wagon	2601928.929	2102934.858	Yes	Yes	Yes	7/21/00	RW-03/RW03-01

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	X	*Y*					
12007 Wagon	2602207.597	2102907.485	Yes	Yes	Yes	6/2/00	
12008 Wagon	- -	- -	No	Yes	Yes	8/3/00	
12030 Wagon	2602094.883	2103133.084	Yes	Yes	Yes	7/21/00	
12031 Wagon	2602326.084	2102841.404	Yes	Yes	Yes	7/26/00	RW-07/RW07-01
12048 Wagon	2602173.368	2103202.107	Yes	Yes	Yes	7/21/00	
12053 Wagon	2602459.673	2102914.024	Yes	Yes	Yes	7/21/00	
12068 Wagon	2602272.074	2103243.492	Yes	Yes	Yes	7/26/00	
12075 Wagon	2602453.186	2103062.461	Yes	Yes	Yes	7/26/00	
12088 Wagon	2602380.325	2103315.041	Yes	Yes	Yes	7/28/00	
12091 Wagon	2602570.156	2103110.677	Yes	Yes	Yes	7/26/00	
12103 Wagon	2602639.301	2103197.339	Yes	Yes	Yes	7/26/00	
12119 Wagon	2602713.779	2103283.502	Yes	Yes	Yes	7/28/00	
12128 Wagon	2602573.04	2103457.04	Yes	Yes	Yes	5/25/00	
12145 Wagon	2602798.475	2103372.999	Yes	Yes	Yes	8/3/00	
12167 Wagon	2602903.541	2103488.818	Yes	Yes	Yes	7/26/00	
12172 Wagon	- -	- -	No	Yes	Yes	8/9/00	
12199 Wagon	2603018.947	2103655.22	Yes	Yes	Yes	7/26/00	
11868 Winchester	2603409.164	2102271.307	Yes	Yes	Yes	9/15/00	
11896 Winchester	- -	- -	No	Yes	Yes	9/15/00	
11914 Winchester	2603404.017	2102471.236	Yes	Yes	Yes	9/15/00	
11923 Winchester	- -	- -	No	Yes	Yes	9/15/00	
11955 Winchester	2603613.749	2102676.004	Yes	Yes	Yes	7/14/00	

[1] This table contains only those properties located within the boundaries of the historical maximum groundwater plume area as presented in the July 2003 GDER (based on all groundwater data from 1990 to 2002).

TABLE 4.7

PROPERTY AND LAND USE INVENTORY [1]
EVERGREEN MANOR SITE
ROSCOE TOWNSHIP, ILLINOIS

Address	*Land Use*	*Company Name*
Area 1 (MW-03)		
4376 Grainery Road	Residential	- -
4381 Grainery Road	Residential	- -
11501 Wagon Lane	Residential	- -
11512 Wagon Lane	Residential	- -
11525 Wagon Lane	Residential	- -
Area 2 (RW-04)		
11975 Blue Spruce Drive	Residential	- -
11990 Blue Spruce Drive	Residential	- -
12004 Blue Spruce Drive	Residential	- -
12017 Blue Spruce Drive	Residential	- -
12022 Blue Spruce Drive	Residential	- -
12031 Blue Spruce Drive	Residential	- -
12044 Blue Spruce Drive	Residential	- -
12053 Blue Spruce Drive	Residential	- -
12062 Blue Spruce Drive	Residential	- -
12075 Blue Spruce Drive	Residential	- -
12080 Blue Spruce Drive	Residential	- -
12091 Blue Spruce Drive	Residential	- -
12102 Blue Spruce Drive	Residential	- -
12118 Blue Spruce Drive	Residential	- -
12146 Blue Spruce Drive	Residential	- -
4420 Hononegah Road	Residential	- -
4434 Hononegah Road	Residential	- -
4444 Hononegah Road	Residential	- -
4483 Hononegah Road	Residential	- -
12053 Wagon Lane	Residential	- -
12075 Wagon Lane	Residential	- -
12091 Wagon Lane	Residential	- -
12103 Wagon Lane	Residential	- -
12119 Wagon Lane	Residential	- -
12128 Wagon Lane	Residential	- -
12145 Wagon Lane	Residential	- -
12167 Wagon Lane	Residential	- -
12172 Wagon Lane	Residential	- -
12199 Wagon Lane	Residential	- -
Area 3 (MW-103S)		
5151 Rockton Road	Industrial	Ecolab, Inc.
Vacant - N. 2nd Street	Public	Illinois Department of Transportation
13227 N. 2nd Street	Industrial	State Line Foundries, Inc.

[1] This table contains only those properties located within the red ovals presented on Figure 5-8 of the July 2003 GDER.

TABLE 5.1

SUMMARY OF CALCULATED VERTICAL HYDRAULIC GRADIENTS
MAY 23, 2005 MONITORING WELL DATA
EVERGREEN MANOR SITE
ROSCOE TOWNSHIP, ILLINOIS

Well Cluster	*Elevation of Screen Middle (ft MSL)* [1]	*Water Level May 23, 2005 (ft MSL)*	*Vertical Gradient (ft/ft downward)*
MW-101S	692.5	722.14	0.001
MW-101D	652.6	722.12	
MW-102S	728.7	727.98	0.001
MW-102D	709.1	727.97	
MW-103S	727.3	728.60	-0.009
MW-103D	714.4	728.72	
MW-104S	698.3	720.12	-0.003
MW-104D	658.1	720.23	
MW-105S	695.2	720.52	0.001
MW-105D	660.3	720.48	
MW-106S	694.8	720.69	-0.001
MW-106D	659.5	720.72	
MW-107S	723.4	727.04	0.012
MW-107D	703.3	726.80	
MW-108S	724.4	726.13	-0.002
MW-108D	704.4	726.18	
MW-109S	722.3	725.65	0.0
MW-109D	701.9	725.65	
MW-110S	719.4	725.05	0.0
MW-110D	700.6	725.05	

[1] ft MSL - feet above mean sea level

TABLE 5.2

SUMMARY OF DETECTED MONITORING WELL GROUNDWATER ANALYTICAL DATA[1]
PHASE I REMEDIAL DESIGN STUDY
EVERGREEN MANOR SITE
ROSCOE TOWNSHIP, ILLINOIS

Sample Location			*MW-01A*	*MW-02*	*MW-03*	*MW-101S*	*MW-101D*	*MW-102S*	*MW-102D*
Sample Date			*5/26/05*	*5/24/05*	*5/26/05*	*5/24/05*	*5/24/05*	*5/23/05*	*5/23/05*
Sample Number			*JK-026*	*JK-014*	*JK-024/025*	*JK-008*	*JK-009*	*JK-001*	*JK-002*
Parameter	*Units*[2]	*MCL*[3]							
Volatile Organic Compounds									
Tetrachloroethene	µg/L	5	2.3	ND(1)[4]	0.29 J/0.25 J[6]	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-Trichloroethane	µg/L	200	1.6	1.0	1.8/1.8	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	NS	ND(1)	0.26 J[5]	ND(1)/ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Trichloroethene	µg/L	5	2.8	ND(1)	4.6/4.8	ND(1)	1.3	ND(1)	ND(1)

TABLE 5.2

SUMMARY OF DETECTED MONITORING WELL GROUNDWATER ANALYTICAL DATA[1]
PHASE I REMEDIAL DESIGN STUDY
EVERGREEN MANOR SITE
ROSCOE TOWNSHIP, ILLINOIS

Sample Location			*MW-103S*	*MW-103D*	*MW-104S*	*MW-104D*	*MW-105S*	*MW-105D*	*MW-106S*	*MW-106D*
Sample Date			*5/21/05*	*5/23/05*	*5/25/05*	*5/25/05*	*5/25/05*	*5/25/05*	*5/25/05*	*5/25/05*
Sample Number			*JK-004/005*	*JK-006*	*JK-015*	*JK-016*	*JK-018*	*JK-019*	*JK-020*	*JK-021*
Parameter	*Units*[2]	*MCL*[3]								
Volatile Organic Compounds										
Tetrachloroethene	µg/L	5	0.94 J/0.80 J	ND(1)	0.55 J	0.28 J	3.2	3.0	0.48 J	0.40 J
1,1,1-Trichloroethane	µg/L	200	0.42 J/0.33 J	ND(1)	0.66 J	0.42 J	1.2	1.4	0.21 J	0.57 J
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	NS	ND(1)/ND(1)	5.4	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Trichloroethene	µg/L	5	ND(1)/ND(1)	ND(1)	ND(1)	ND(1)	0.82 J	0.94 J	ND(1)	ND(1)

TABLE 5.2

SUMMARY OF DETECTED MONITORING WELL GROUNDWATER ANALYTICAL DATA[1]
PHASE I REMEDIAL DESIGN STUDY
EVERGREEN MANOR SITE
ROSCOE TOWNSHIP, ILLINOIS

Sample Location			*MW-107S*	*MW-107D*	*MW-108S*	*MW-108D*	*MW-109S*	*MW-109D*	*MW-110S*	*MW-110D*	*MW-112*
Sample Date			*5/24/05*	*5/24/05*	*5/26/05*	*5/26/05*	*5/26/05*	*5/26/05*	*5/27/05*	*5/27/05*	*5/24/05*
Sample Number			*JK-011/012*	*JK-013*	*JK-022*	*JK-023*	*JK-028*	*JK-029*	*JK-030*	*JK-032*	*JK-007*
Parameter	*Units*[2]	*MCL*[3]									
Volatile Organic Compounds											
Tetrachloroethene	µg/L	5	ND(1)/ND(1)	2.6	0.33 J	0.90 J	2.5	1.6	0.30 J	ND(1)	ND(1)
1,1,1-Trichloroethane	µg/L	200	ND(1)/ND(1)	2.0	ND(1)	0.71 J	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	NS	ND(1)/ND(1)	33	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Trichloroethene	µg/L	5	ND(1)/ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

[1] This table only includes those analytes which are listed in Table 1 of the SOW (Attachment II of the AOC) and which had detected concentrations greater than the laboratory reporting limits.
[2] Units as indicated in micrograms per liter (µg/L)
[3] MCL - Maximum Contaminant Level
[4] ND( ) - not detected at the quantitation limit sated in parentheses
[5] J - estimated value
[6] Sample result/Duplicate sample result

TABLE 5.3

SUMMARY OF DETECTED VERTICAL PROFILE GROUNDWATER SCREENING ANALYTICAL DATA [1]
EVERGREEN MANOR SITE
ROSCOE TOWNSHIP, ILLINOIS

Sample Location			*SB-1A*	*SB-1*			*SB-2*	
Sample Date			*6/3/05*	*6/1/05*	*6/1/05*	*6/1/05*	*6/2/05*	*6/2/05*
Sample Depth (ft bgs)			*44-48*	*53-57*	*73-77*	*93-97*	*74-78*	*94-98*
Sample Number			*AJ-048/049*	*AJ-033*	*AJ-035*	*AJ-036*	*AJ-037*	*AJ-039*
Parameter	*Units [2]*	*MCL [3]*						
Volatile Organic Compounds								
Tetrachloroethene	µg/L	5	0.32 J/0.46 J [4]	1.2	2.4	0.64 J [5]	ND(1)	0.48 J
1,1,1-Trichloroethane	µg/L	200	0.36 J/0.32 J	0.96 J	1.2	ND(1) [6]	ND(1)	ND(1)
Trichloroethene	µg/L	5	0.30 J/0.38 J	1.1	1.4	ND(1)	ND(1)	ND(1)

TABLE 5.3

SUMMARY OF DETECTED VERTICAL PROFILE GROUNDWATER SCREENING ANALYTICAL DATA [1]
EVERGREEN MANOR SITE
ROSCOE TOWNSHIP, ILLINOIS

Sample Location			*SB-3*			
Sample Date			*6/3/05*	*6/3/05*	*6/3/05*	*6/3/05*
Sample Depth (ft bgs)			*23-27*	*43-47*	*73-77*	*93-97*
Sample Number			*AJ-041*	*AJ-042*	*AJ-043*	*AJ-044*
Parameter	*Units [2]*	*MCL [3]*				
Volatile Organic Compounds						
Tetrachloroethene	µg/L	5	ND(1)	0.73 J	1.1	0.64 J
1,1,1-Trichloroethane	µg/L	200	0.25 J	0.98 J	0.37 J	0.30 J
Trichloroethene	µg/L	5	0.48 J	2.7	1.3	0.57 J

[1] This table only includes those analytes which are listed in Table 1 of the SOW (Attachment II of the AOC) and which had detected concentrations greater than the laboratory reporting limits.
[2] Units as indicated in micrograms per liter (µg/L)
[3] MCL - Maximum Contaminant Level
[4] Sample result/Duplicate sample result
[5] J - estimated value
[6] ND( ) - not detected at the quantitation limit sated in parentheses

TABLE 5.4

SUMMARY OF DETECTED SOIL ANALYTICAL DATA
VERTICAL PROFILE GROUNDWATER SCREENING LOCATIONS
EVERGREEN MANOR SITE
ROSCOE TOWNSHIP, ILLINOIS

Sample Location		*SB-1A*	*SB-2*	*SB-3*
Sample Date		*6/3/05*	*6/2/05*	*6/3/05*
Sample Depth (ft bgs) [1]		*10-12.5*	*12.5-15*	*15-17.5*
Sample Number		*AJ-046/047*	*AJ-038*	*AJ-040*
Parameter	*Units* [2]			
Volatile Organic Compounds				
Acetone	µg/kg	ND(26)/ND(22) [3]	4.2 J [4]	ND(25) [5]
Carbon disulfide	µg/kg	ND(6.5)/ND(5.5)	0.29 J	0.29 J
Methylene chloride	µg/kg	6.8/5.3 J	ND(5.6)	4.5 J
1,2,4-Trichlorobenzene	µg/kg	ND(6.5)/0.57 J	ND(5.6)	ND(6.1)

[1] ft bgs - feet below ground surface
[2] Units as indicated in micrograms per kilogram (µg/kg)
[3] Sample result/Duplicate sample result
[4] J - estimated value
[5] ND( ) - not detected at the quantitation limit stated in parentheses

APPENDIX A

JUNE 6 & 7, 2005 SURVEY DATA

CONSULTING ENGINEERS SCIENTISTS & LAND SURVEYORS

Bollinger, Lach & Associates, Inc.
600 North Route 31, Suite B · Crystal Lake, Illinois 60012
815 479 1200 FAX 815 479 1220
www.bollingerlach.com
· OAK BROOK
· CHICAGO
CRYSTAL LAKE

EVERGREEN MANOR
ROSCOE TOWNSHIP
WINNEBAGO COUNTY, ILLINOIS

FIELD WORK WAS PERFORMED JUNE 6 & 7, 2005. HORIZONTAL DATUM: ILLINOIS STATE PLANE NAVD 83/91, VERTICLE DATUM NAVD 88 (WINNEBAGO COUNTY GPS PROJECT 2000). GROUND ELEVATIONS ARE ADJACENT TO THE SOIL BORING OR MONITORING WELL.

PT. NO.	NORTHING	EASTING	STAFF GAUGE	GROUND ELEVATION	MONITORING WELL TOP OF PVC ELEV.	WATER ELEV.	DESCRIPTION
200	2100662.42	2607987.21	736.43			717.63	SG-3
201	2095215.03	2607024.29	708.40			704.95	SG-6
202	2102641.28	2602763.56		752.0	751.66		MW-01A
203	2102577.72	2602550.80		754.5			SB-1A
204	2102577.57	2602547.74		754.4			SB-1
205	2102775.44	2601980.96		752.9	752.46		MW-02
206	2100642.47	2602146.32		729.3	728.88		MW-03
207	2100633.10	2602142.34		729.3			SB-3
208	2104962.47	2601454.39	738.45			723.85	SG-4
209	2101483.68	2598941.82	710.48			709.30	SG-5
210	2107456.58	2606485.04	749.23			737.24	SG-2
211	2104872.36	2604257.99		754.2	756.53		MW-106D
212	2104872.79	2604268.86		754.3	756.83		MW-106S
213	2104868.76	2603865.56		754.9	757.47		MW-105D
214	2104869.38	2603877.51		754.8	757.68		MW-105S
215	2104866.81	2603469.56		753.0	755.72		MW-104S
216	2104868.38	2603456.18		752.8	755.26		MW-104D
217	2111925.05	2608060.25		772.2	774.00		MW-112
218	2104967.43	2606077.66		727.6	730.00		MW-101S
219	2104977.57	2606075.70		727.5	730.00		MW-101D
220	2110112.78	2606755.60		764.1	766.98		MW-103S
221	2110124.28	2606755.37		764.3	767.14		MW-103D
222	2110101.45	2606745.04		764.3			SB-2
223	2109415.16	2607110.26		769.0	771.28		MW-102D
224	2109404.75	2607111.65		768.5	770.90		MW-102S
225	2111047.65	2608969.99	757.97			748.37	SG-1
226	2109149.79	2606080.31		763.4	765.81		MW-107S
227	2109143.65	2606080.18		763.1	766.20		MW-107D
228	2108728.82	2606100.82		764.1	766.63		MW-108D
229	2108734.60	2606099.72		764.2	766.67		MW-108S
230	2107911.40	2606148.61		745.2	747.93		MW-110S
231	2107916.06	2606148.41		745.3	748.02		MW-110D
232	2108348.91	2606127.11		766.8	769.25		MW-109D
233	2108357.33	2606125.98		766.7	769.58		MW-109S

THOMAS M. SHEETS
2257
PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS
CRYSTAL LAKE, IL

JUNE 10, 2005

THOMAS M. SHEETS, P.L.S.
SURVEYOR NO. 2257

JOB NO. 582-042

DWG NO. 582-042.DWG

APPENDIX B

STRATIGRAPHIC AND INSTRUMENTATION LOGS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: EVERGREEN MANOR
PROJECT NUMBER: 34891
CLIENT: ECOLAB
LOCATION: ROSCOE, ILLINOIS
DRILLING CONTRACTOR: PROSONIC

HOLE DESIGNATION: SB-1A
DATE COMPLETED: June 3, 2005
DRILLING METHOD: ROTOSONIC
FIELD PERSONNEL: A. JARRETT
DRILLER: DAN OMURA

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	SOIL, moist, dark brown			0'-2.5'				0.0
2				2.5'-5'				0.8
4	SP-SAND, gravelly, fine grained, poorly graded, tan/brown, moist, no odor, beach sand	4.0	SOIL CUTTINGS AND BENTONITE CHIPS	1RS				
6				5'-7.5'				4.2
8				7.5'-10				2.0
10				10'-12.5'				6.8
12				12.5'-15'				5.0
14			6" DIAMETER BOREHOLE	2RS				
16				15'-17.5'				4.3
18				17.5'-20				4.1
20				20'-22.5'				3.8
22				22.5'-25'				2.2
24				3RS				
26				25'-27.5'				1.8
28				27.5'-30				0.5
30				30'-32.5'				1.5
32				32.5'-35'				0.2
34				4RS				
36				35'-37.5'				0.1
38				37.5'-40				0.3
40	- saturated at 41.0ft BGS			40'-42.5'				2.6
42				5RS				
44				42.5'-45'				1.8
46	END OF BOREHOLE @ 45.0ft BGS	45.0						

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: EVERGREEN MANOR
PROJECT NUMBER: 34891
CLIENT: ECOLAB
LOCATION: ROSCOE, ILLINOIS
DRILLING CONTRACTOR: PROSONIC

HOLE DESIGNATION: SB-1
DATE COMPLETED: June 1, 2005
DRILLING METHOD: ROTOSONIC
FIELD PERSONNEL: A. JARRETT
DRILLER: DAN OMURA

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	SOIL, GRAVEL/COBBLES, moist, black			0'-2.5'				0.2
		4.0		2.5'-5'				1.4
	SP-SAND, gravelly, fine grained, poorly graded, tan/brown, moist, no odor, beach sand		SOIL CUTTINGS AND BENTONITE CHIPS	1RS 5'-7.5'				5.2
				7.5'-10				2.2
10				10'-12.5'				8.4
			6" DIAMETER BOREHOLE	12.5'-15' 2RS 15'-17.5'				5.1
								4.5
				17.5'-20				2.4
20				20'-22.5'				3.1
				22.5'-25' 3RS 25'-27.5'				4.8
								3.2
				27.5'-30				0.2
30				30'-32.5'				0.6
				32.5'-35' 4RS 35'-37.5'				1.9
								1.2
				37.5'-40				1
40				40'-42.5'				1.6
				5RS 42.5'-45'				1.8
				45'-47.5'				-
	- saturated at 47.0ft BGS							
50								
60								
70								
80								
90								
	END OF BOREHOLE @ 97.0ft BGS	97.0						
100								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: EVERGREEN MANOR
PROJECT NUMBER: 34891
CLIENT: ECOLAB
LOCATION: ROSCOE, ILLINOIS
DRILLING CONTRACTOR: PROSONIC

HOLE DESIGNATION: SB-2
DATE COMPLETED: June 2, 2005
DRILLING METHOD: ROTOSONIC
FIELD PERSONNEL: A. JARRETT
DRILLER: DAN OMURA

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE
	FILL/SAND, gravel, light brown, moist	4.0	SOIL CUTTINGS AND BENTONITE CHIPS
	SP-SAND, gravel, fine grained, poorly graded, tan/brown, moist, no odor, beach sand, intermittent gravel layers, indicating former stream beds		6" DIAMETER BOREHOLE
10			
20			
30	- saturated at 37.0ft BGS		
40			
50			
60			
70			
80			
90			
100	END OF BOREHOLE @ 98.0ft BGS	98.0	

SAMPLE

NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
0'-2.5'				0
2.5'-5'				0
1RS 5'-7.5'				0.5
7.5'-10				1.9
10'-12.5'				7.8
12.5'-15'				7.9
2RS 15'-17.5'				6.5
17.5'-20				2.4
20'-22.5'				1.6
22.5'-25'				6.9
3RS 25'-27.5'				5.1
27.5'-30				3.3
30'-32.5'				0.7
4RS 32.5'-35'				2.6
35'-37.5'				3.1

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: EVERGREEN MANOR
PROJECT NUMBER: 34891
CLIENT: ECOLAB
LOCATION: ROSCOE, ILLINOIS
DRILLING CONTRACTOR: PROSONIC

HOLE DESIGNATION: SB-3
DATE COMPLETED: June 3, 2005
DRILLING METHOD: ROTOSONIC
FIELD PERSONNEL: A. JARRETT
DRILLER: DAN OMURA

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	SOIL, gravelly, moist, black	6.0	SOIL CUTTINGS AND BENTONITE CHIPS	0'-2.5'				0
				2.5'-5'				0.4
				1RS 5'-7.5'				0.5
	SP-SAND, gravelly, fine grained, some silt, poorly graded, tan/brown, moist, no odor, beach sand			7.5'-10				0.2
10				10'-12.5'				0.4
	- very moist at 14.3ft BGS		6" DIAMETER BOREHOLE	12.5'-15'				0.2
				2RS 15'-17.5'				0.8
				17.5'-20				0.5
20	- saturated at 21.0ft BGS							
30								
40								
50								
60								
70								
80								
90								
	END OF BOREHOLE @ 97.0ft BGS	97.0						
100								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

APPENDIX C

WATER WELL INFORMATION

Rec'd CRA 34891
JUL 1 2005

ILLINOIS DEPARTMENT OF NATURAL RESOURCES

Illinois State Water Survey

Main Office • 2204 Griffith Drive • Champaign, IL 61820-7495 • Tel (217) 333-2210 • Fax (217) 333-6540
Peoria Office • P.O. Box 697 • Peoria, IL 61652-0697 • Tel (309) 671-3196 • Fax (309) 671-3106

SWS

7/12/2005

Mr. Kenneth Duwal
Conestoga-Rovers & Associates
8615 W. Bryn Mawr Avenue
Chicago, IL 60631

Dear Mr. Duwal:

As you requested during our telephone conversation on July 11, 2005, we are enclosing printouts from our Private Well Database and Public, Industrial, Commercial Survey (PICS) Database for the following locations:

COUNTY	TOWNSHIP	RANGE	SECTIONS
WINNEBAGO	46 NORTH	2 EAST	16, 17, 19-21, 28-30, 32, 33

No available information is indicated on the printout by the statement "0 records were found for the specified locations." Also enclosed are explanations of the Illinois State Water Survey Private Well and PICS Databases.

The data included in the Private Well Database are those non-municipal wells which are known to the Illinois State Water Survey, and the PICS Database is an inventory of municipal well information and large industrial groundwater users. We may not have a copy of well records for these groundwater users.

The enclosed statement reflects the charges for this request which includes a $35.00 query fee for PICS information, a $35.00 query fee for Private well information, and a $0.10 per page charge for 84 pages, plus a $5.00 shipping and handling fee, totaling $83.40.

If you have any questions or if I can be of further assistance, please call.

Sincerely,

Susie Casey

Susie Dodd-Casey
Associate Supportive Scientist
Center for Groundwater Science
Phone: (217) 333-9043

Enclosures as stated

ILLINOIS STATE WATER SURVEY
PICS DATABASE EXPLANATION

SWS ID	ISWS Facility ID Number
NAME	Facility Name
WELL #	ISWS Point Source Well/Intake Number
STATUS	Point Source Status of Well/Intake A = Abandoned - no longer in existence, no affidavit on file, or do not know if it has been filled in C = Capped - cap attached to top D = Disconnected - disconnected from system E = Emergency - available for standby use I = In Use - produces major portion of water O = Observation - used for water level measurements S = Sealed - filled in U = Unused - exists but not used
FIPS	County Code Number
TWN	Civil Township
RNG	Range
SEC	Section
PLOT	10-acre Plot Location within the Section
DEPTH	Depth (well to nearest ft)
TYPE LOG	D = Driller's log O = Other X = Chemical C = Correlated log S = Sample study log - = Log not available
YEAR	Year Point Source Initially Constructed
DRILLER	Well Drilling Contractor of Well

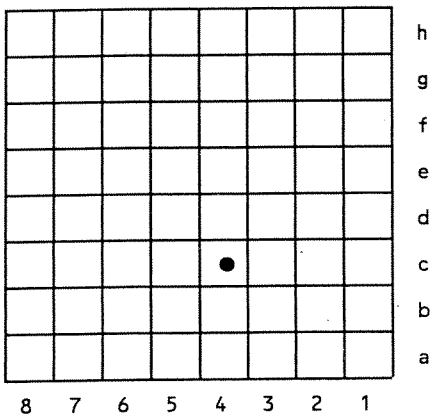
May 2002

ISWS 10-ACRE PLOT LOCATION SYSTEM

The following is an explanation of the ISWS Private Well Database location system.

The location system uses Township, Range, and Section. The location consists of five parts: County abbreviation, Township, Range, Section, and coordinate within the section (subsection or 10-acre plot). Sections are divided into rows of 1/8-mile squares. Each 1/8-mile square contains 10 acres and corresponds to a quarter of a quarter of a quarter section. A normal section of 1 square mile contains 8 rows of 1/8-mile squares; an odd-sized section contains more or fewer rows. Rows are numbered from east to west and lettered from south to north as shown in the diagram.

Example: St. Clair County, FIP No. 163
T2N, R10W
Section 23



The location of the well shown above is 163 2N10W-23.4c. The well point is located at the center of this 10-acre plot.

ILLINOIS STATE WATER SURVEY

PRIVATE WELL DATABASE EXPLANATION

WID	Illinois State Water Survey Identification Number
FIPS	County Code Number
TWN	Civil Township
RNG	Range
SEC	Section
PLOT	10-acre Plot Location within the Section
OWNER	Well Owner
DRILLER	Well Drilling Contractor of Well
DATE DRILLED	Date Initially Drilled
DEPTH	Depth (well to nearest ft)

RECORD TYPE

Record Type (types of information on file)

R - Construction Report
G - Geology
S - Sealed
A - Affidavit
C - Chemical Analysis
I - Inventory
X - Indicates Comment in Owners Field Something Unusual
O - Any Other Type of Record
P - Pump Installation

USE

Well Use (two-letter code indicating the usage of the well)

CO - Conservation
CS - Community Supply
DO - Domestic
DW - De-Watering
IC - Industrial/Commercial
IN - Injection Well
IR - Irrigation
MO - Monitoring
NC - Non-Community
NW - Non-Well Source
OB - Observation
PK - Park
RC - Recovery Well
RW - Relief Well
SC - School
ST - State

USE	(Continued) TB - Test Boring TH - Test Hole TW - Test Well ~ - Unknown
WELL TYPE	Well Type (two-letter code indicating the type of well) BLANK - Assumed Drilled BD - Bored DL - Drilled DU - Dug (Being Phased Out) DR - Driven NW - Non-Well SP - Sand Point SG - Spring ~ - Assumed Drilled or Possibly Unknown
AQUIFER TYPE	Aquifer Type (two-letter code indicating aquifer type) BR - Bedrock DH - Dry Hole SW - Surface Water UN - Unconsolidated ~ - Unknown
STAT LVL	Static Level - Reported non-pumping water level
PUMP LVL	Pumping Level - Reported water level during initial pumping of the well
PUMP GPM	Pumping GPM - Gallons per minute at time of well construction

THE DATA IN THE PRIVATE WELL DATABASE IS A LISTING OF THE NON-COMMUNITY WELLS WHICH ARE KNOWN TO THE ILLINOIS STATE WATER SURVEY (ISWS). THIS INFORMATION HAS BEEN ENTERED VERBATIM FROM WELL LOGS SUBMITTED BY THE DRILLER, FROM CHEMICAL ANALYSIS REPORTS, FROM WELL SEALING FORMS, OR WELL INVENTORY FORMS FROM THE 1930-34 WELL SURVEY AND OTHER SPECIAL PROJECTS. THE ACCURACY OF THIS DATA IS CONTROLLED BY THOSE WHO SUBMITTED THE FORM. INFORMATION IN THE PRIVATE WELL DATABASE HAS NOT BEEN VERIFIED.

Illinois State Water Survey Private Well Database

Monday, July 11, 2005

County: WINNEBAGO

Township: 46N

Range: 02E

Sections: 16,17,19,20,21,28,29,30,32,33

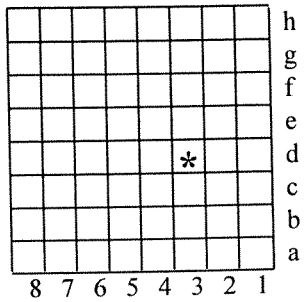
Records Found: 1272

Questions: Contact the Illinois State Water Survey's Ground Water Division @ (217)-333-9043

Publication: Please cite the Illinois State Water Survey's Private Well Database in all publications based wholly or partially on this information.

Note: The data in the Private Well Database is a listing of non-municipal wells which are known to the Illinois State Water Survey (ISWS). This information has been entered verbatim from well logs submitted by the driller, chemical analysis reports, well sealing forms, well inventory forms from the 1930-1934 well survey, and other special projects. The accuracy of this data is controlled by those submitting the forms. Information in the Private Well Database has not been verified.

This data cannot be resold or redistributed. The Illinois State Water Survey must be acknowledged in any use of this material.



Location of a 10-acre-plot within a section:

The origin can be found at the lower right-hand-corner of an 8 x 8 grid. In this example, the well is in the 10-acre plot '3d'.

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
166819	201	46N	02E	16		DAYLE SEYNOAR	SMEJA	09/22/1980	105	RG	IC	~~	~~			
246790	201	46N	02E	16	1D	HARLEM ROSCOE FIRE DEPT.	GREENFIELD	05/17/1991	70	RG	NC	--	UN	34	45	
166820	201	46N	02E	16	2C	JACK AUSTIN	GREENFIELD	08/09/1985	50	RG	DO	~~	~~			
166821	201	46N	02E	16	2C	PETE ROSSI	GREENFIELD	08/09/1985	50	RG	DO	~~	~~			
218476	201	46N	02E	16	3B	PETRY CONST LOT 8	GREENFIELD	01/14/1991	165	RG	DO	--	BR	79	85	10
166822	201	46N	02E	16	3E	CHAS HINZE	GREENFIELD	07/18/1984	50	RG	DO	~~	~~			
344629	201	46N	02E	16	3G	THREE HAMMERS #54	JRB WELL DRILLING/JESSIE	08/13/2002	220	RG	DO	DL	BR	59	59	15
LOT 17 WILLOUGHBY NORTH SUBD.																
166823	201	46N	02E	16	4A	BUD KUTZKE	GREENFIELD	11/07/1978	51	RG	DO	~~	~~			
206373	201	46N	02E	16	4A	ROGER EICHER	GREENFIELD	05/17/1989	60	RG	DO	--	UN	30		
166824	201	46N	02E	16	4D	LYLE LONDON	GREENFIELD	01/13/1984	47	RG	DO	~~	~~			
166745	201	46N	02E	16	4H	F P POND		03/00/1934	55	RG	DO	~~	~~			
166825	201	46N	02E	16	5D	WOJICK CONST	LIVINGSTON	07/22/1977	55	RG	DO	~~	~~			
166826	201	46N	02E	16	6A	ALFRED HAGMANN	GREENFIELD	03/11/1977	75	RG	IC	~~	~~			
166831	201	46N	02E	16	6A	MAKERITE MFG CO	GREENFIELD	10/11/1977	70	RG	IC	~~	~~			
227509	201	46N	02E	16	6A	WAYNE BRAKE #8726 LOT #78	MARTIN	08/07/1987	140	RG	DO	--	BR	64	5	10

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
166827	201	46N	02E	16	6C	EARL SQUIRE	GREENFIELD	04/03/1981	150	RG	IR	~~	~~			
166828	201	46N	02E	16	7A	DON DAVIS	GREENFIELD	00/00/0000	77	RG	DO	~~	~~			
166829	201	46N	02E	16	7B	R & D SYSTEMS	GREENFIELD	11/01/1978	78	RG	IC	~~	~~			
262203	201	46N	02E	16	7C	WAYNE LENSING	GREENFIELD	10/08/1994	80	RG	DO	DL	UN	44	50	10
LOT 12 METRIC PARK																
166746	201	46N	02E	16	7H	A J PALMER		03/00/1934	75	RG	DO	~~	~~			
166747	201	46N	02E	16	8A	M W STAHLNECKER		03/00/1934	75	RG	DO	~~	~~			
166830	201	46N	02E	16	8A	WILSON TRUCK TERM	GREENFIELD	01/23/1974	80	RG	IC	~~	~~			
227510	201	46N	02E	16	8A	FRED ELLENBURGER LOT #7	BULL	06/09/1980	83	RG	IC	--	UN	57	58	12
281575	201	46N	02E	17		MATERIAL SERVICE CORP. #2	LONGYEAR	05/18/1995	60	RG	MO	DL	UN	43		
281576	201	46N	02E	17		MATERIAL SERIVCE CORP. #1	LONGYEAR	05/17/1995	62	RG	MO	DL	UN	45		
281577	201	46N	02E	17		MATERIAL SERVICE CORP. #6	LONGYEAR	05/18/1995	23	RG	MO	DL	UN	13		
281578	201	46N	02E	17		MATERIAL SERVICE CORP. #5	LONGYEAR	05/18/1995	19	RG	MO	DL	UN	8		
281579	201	46N	02E	17		MATERIAL SERVICE CORP. #4	LONGYEAR	05/18/1995	38	RG	MO	DL	UN	27		
281580	201	46N	02E	17		MATERIAL SERVICE CORP. #3	LONGYEAR	05/18/1995	49	RG	MO	DL	UN	41		
253093	201	46N	02E	17		MARK DOMANOSKI	BULL	05/30/1990	85	RG	DO	DL	UN	29	30	
LOT 11 UPPER RIDGEFIELD SUBD.																

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
253094	201	46N	02E	17		MARK DOMANOSKI	BULL	03/22/1990	84	RG	DO	DL	UN	27	28	
LOT 9 UPPER RIDGEFIELD SUBD.																
231340	201	46N	02E	17		LES ADLEMAN	GREENFIELD	11/26/1990	70	RG	DO	--	UN	44	50	10
166833	201	46N	02E	17		HOWAARD HANSON	BLOYER	00/00/1965	72	RG	DO	~~	~~			
166834	201	46N	02E	17		LAWRENCE HOERB	BLOYER	00/00/1965	65	RG	DO	~~	~~			
166835	201	46N	02E	17		CLAUDE MASSER	BLOYER	00/00/1965	69	RG	DO	~~	~~			
166836	201	46N	02E	17		PETTIT	BLOYER	00/00/1965	68	RG	DO	~~	~~			
166837	201	46N	02E	17		AMWOOD BLDRS	GREENFIELD	02/10/1972	65	RG	DO	~~	~~			
166753	201	46N	02E	17	1A	DONALD ERICKSON		03/00/1934	80	RG	DO	~~	~~			
166681	201	46N	02E	17	1B	WAYNE BRAKE	OLSON	06/15/1978	170	RG	DO	~~	~~			
166838	201	46N	02E	17	1G	STEVE EWERS	GREENFIELD	06/20/1979	65	RG	DO	~~	~~			
166839	201	46N	02E	17	1H	BUD KUTZKE	BLOYER	01/27/1972	65	RG	DO	~~	~~			
227511	201	46N	02E	17	2A	ATV ROSCUE	GREENFIELD	07/07/1988	70	RG	IC	--	UN	54	58	10
166840	201	46N	02E	17	2H	LAWRENCE CLANKIE	GREENFIELD	03/22/1979	71	RG	IC	~~	~~			
166841	201	46N	02E	17	2H	ERICKSON AUTO SALVAGE	GREENFIELD	09/08/1975	68	RG	IC	~~	~~			
166842	201	46N	02E	17	2H	DEMETER GRAIN INC	GREENFIELD	08/10/1984	66	RG	IC	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	RECORD TYPE	USE	WELL TYPE	IQ TYPE	STATIC LVL	PUMP LVL	GPM
166843	201	46N	02E	17	3A	D & R SHIPLER	GREENFIELD	10/24/1983	78	RG	IC	~~	~~			
266299	201	46N	02E	17	4A	ROBERT BOTTENSEK	GREENFIELD	03/23/1994	80	RG	IC	DL	UN	47	54	10
LOT 2 ROSROC IND. PARK																
299212	201	46N	02E	17	4A	STAN FOLZ	BLOYER WELL/SMITH	10/22/1997	80	RG	DO	DL	UN	44	50	12
LOT 1 ROSROCK SUBD.																
242419	201	46N	02E	17	4A	STAN FOLZ	GREENFIELD	03/31/1992	74	RG	DO	--	UN	44	50	10
166748	201	46N	02E	17	4H	J LEWIS		03/00/1934	75	RG	DO	~~	~~			
166749	201	46N	02E	17	4H	OSCAR DRESSLER		03/00/1934	75	RG	DO	~~	~~			
227512	201	46N	02E	17	5D	HELEN SAEGER	GREENFIELD	10/25/1988	69	RG	DO	--	UN	47	55	10
306771	201	46N	02E	17	5E	CURT HALE #1	BLOYER WELL/SMITH	08/01/1998	70	RG	DO	DL	UN	44	51	10
LOT 4 UNITED INDUSTRIAL PARK																
166752	201	46N	02E	17	6A	FRED BRAINER		03/00/1934	60	RG	DO	~~	~~			
247186	201	46N	02E	17	6H	PETE OOSTENDORP	GREENFIELD	02/09/1993	70	RG	DO	--	UN	29	45	10
LOT 1 UNITED INDUSTRIAL PARK																
166750	201	46N	02E	17	6H	T D COCHRAN		03/00/1934	59	RG	DO	~~	~~			
166844	201	46N	02E	17	7D	TYMAR INDS	GREENFIELD	00/00/0000	70	RG	IC	~~	~~			
166845	201	46N	02E	17	7E	BUD KUTZKE	BLOYER	09/12/1969	83	RG	DO	~~	~~			
166846	201	46N	02E	17	7F	AMWOOD BUILDERS	GREENFIELD	00/00/0000	65	RG	DO	~~	~~			
166847	201	46N	02E	17	7F	CHARLES CASE	GREENFIELD	06/22/1978	77	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
312921	201	46N	02E	17	8D	JAMES EWALD	BULL DRILLING	05/30/1999	79	RG	DO	DL	UN	34	34	10
LOT 10 DONALD WITTES TOWN VIEW SUBD.																
209735	201	46N	02E	17	8D	MARK DOMANOSKI LOT 2	BULL	03/30/1990	85	RGX	DO	--	UN	25		
218345	201	46N	02E	17	8D	MARK DOMANOSKI LOT 18	BULL	06/14/1990	84	RG	DO	--	UN	29	30	
166848	201	46N	02E	17	8E	ROBERT ATKINS	HINKLE	05/13/1982	65	RG	DO	~~	~~			
166849	201	46N	02E	17	8E	AMWOOD BLDRS	GREENFIELD	09/21/1972	65	RG	DO	~~	~~			
166850	201	46N	02E	17	8E	GILBERT WELDON	GREENFIELD	00/00/0000	65	RG	DO	~~	~~			
166851	201	46N	02E	17	8E	AMWOOD HOMES INC	GREENFIELD	00/00/0000	63	RG	DO	~~	~~			
166852	201	46N	02E	17	8E	LOCKHART HOMES	GREENFIELD	00/00/0000	65	RG	DO	~~	~~			
166853	201	46N	02E	17	8E	AMWOOD HOMES INC	GREENFIELD	03/02/1976	65	RG	DO	~~	~~			
166854	201	46N	02E	17	8E	WM RENARDI	GREENFIELD	11/16/1976	65	RG	DO	~~	~~			
166855	201	46N	02E	17	8F	BELOIT BRIDGE & IRON	GREENFIELD	02/16/1972	65	RG	IC	~~	~~			
166856	201	46N	02E	17	8F	BUD KUTZKE	GREENFIELD	00/00/0000	71	RG	DO	~~	~~			
166857	201	46N	02E	17	8F	BARRY GASUKEVICH	GREENFIELD	04/25/1978	65	RG	DO	~~	~~			
166858	201	46N	02E	17	8F	RUSSELL GESSLER	GREENFIELD	06/22/1978	71	RG	DO	~~	~~			
166859	201	46N	02E	17	8F	KEN KOTHE	GREENFIELD	10/19/1982	84	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
166860	201	46N	02E	17	8F	HOWARD BACKER	GREENFIELD	09/22/1978	68	RG	DO	~~	~~			
166861	201	46N	02E	17	8F	HAROLD BARBER	GREENFIELD	10/23/1985	67	RG	DO	~~	~~			
166751	201	46N	02E	17	8F	W J MOORE		00/00/1919	130	RG	DO	~~	~~			
227513	201	46N	02E	17	8H	BELOIT BRIDGE	GREENFIELD	05/26/1988	65	RG	IC	--	UN	39	45	
166862	201	46N	02E	17	8H	DEAN WITTE	GREENFIELD	10/09/1979	65	RG	DO	~~	~~			
166955	201	46N	02E	19		FORREST OAKS	BLOYER	00/00/1965	50	RG	DO	~~	~~			
166956	201	46N	02E	19		OAKS	BLOYER	00/00/1965	50	RG	DO	~~	~~			
166958	201	46N	02E	19		BRIDGE & DICKERSON	LIVINGSTON	10/20/1971	64	RG	DO	~~	~~			
166959	201	46N	02E	19		BENNETT CONST	LIVINGSTON	04/11/1973	60	RG	DO	~~	~~			
227534	201	46N	02E	19		KEN FISHER	OLSON PUMP SERVICE	03/22/1990	80	A	DO	--	--			
166960	201	46N	02E	19		JOHN STEWART CONST	LIVINGSTON	07/22/1977	68	RG	DO	~~	~~			
166961	201	46N	02E	19		ROSENQUIST & SCHBACKER	LIVINGSTON	08/01/1977	70	RG	DO	~~	~~			
166962	201	46N	02E	19		JOE DAVIS	LIVINGSTON	09/17/1981	54	RG	DO	~~	~~			
166963	201	46N	02E	19		VYBORNY CONST	LIVINGSTON	10/04/1971	62	RG	DO	~~	~~			
166964	201	46N	02E	19	1A	RICHARD JOHNSON	OLSON	00/00/1969	58	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
166965	201	46N	02E	19	1A	KEN KOTHE	GREENFIELD	00/00/0000	50	RG	DO	~~	~~			
166966	201	46N	02E	19	1A	GUY HOPKINS	GREENFIELD	00/00/0000	53	RG	DO	~~	~~			
166967	201	46N	02E	19	1B	WAYNE SONENSOON	OLSON	10/08/1970	55	RG	DO	~~	~~			
166968	201	46N	02E	19	1B	THREE HAMMERS	BEAMAN	07/28/1982	65	RG	DO	~~	~~			
166969	201	46N	02E	19	1B	THREE HAMMERS	BEAMAN	04/13/1983	68	RG	DO	~~	~~			
166970	201	46N	02E	19	1B	WAYNE SONNESON	GREENFIELD	03/29/1972	50	RG	DO	~~	~~			
166971	201	46N	02E	19	1B	THREE HAMMERS	BEAMAN	05/26/1983	68	RG	DO	~~	~~			
166972	201	46N	02E	19	1B	THREE HAMMERS	BEAMAN	04/27/1983	65	RG	DO	~~	~~			
166973	201	46N	02E	19	1B	KEN KOTHE	GREENFIELD	05/23/1972	52	RG	DO	~~	~~			
166974	201	46N	02E	19	1B	THREE HAMMERS CONST	BEAMAN	07/07/1978	67	RG	DO	~~	~~			
166975	201	46N	02E	19	1B	THREE HAMMERS CONST	BEAMAN	06/30/1982	65	RG	DO	~~	~~			
166976	201	46N	02E	19	1C	DAN JARVIS	BEAMAN	04/19/1983	64	RG	DO	~~	~~			
166977	201	46N	02E	19	1C	THREE HAMMERS	BEAMAN	10/02/1984	67	RG	DO	~~	~~			
166978	201	46N	02E	19	1C	THREE HAMMERS	BEAMAN	10/19/1984	67	RG	DO	~~	~~			
166979	201	46N	02E	19	1D	THREE HAMMERS	BEAMAN	05/26/1983	70	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	RECORD TYPE	USE	WELL TYPE	IRQ TYPE	STATIC LVL	PUMP LVL	GPM
166980	201	46N	02E	19	1D	THREE HAMMERS	BEAMAN	00/00/1979	65	RG	DO	~~	~~			
166981	201	46N	02E	19	1D	THREE HAMMERS	BEAMAN	08/29/1979	65	RG	DO	~~	~~			
166982	201	46N	02E	19	1D	THREE HAMMERS CONST	BEAMAN	11/08/1979	65	RG	DO	~~	~~			
166983	201	46N	02E	19	1D	THREE HAMMERS CONST	BEAMAN	11/08/1978	65	RG	DO	~~	~~			
166984	201	46N	02E	19	1D	DANNY HAYNES	BEAMAN	04/27/1979	65	RG	DO	~~	~~			
166985	201	46N	02E	19	1D	THREE HAMMERS CONST	BEAMAN	01/10/1979	65	RG	DO	~~	~~			
166986	201	46N	02E	19	1D	THREE HAMMERS CONST	BEAMAN	03/15/1979	65	RG	DO	~~	~~			
166987	201	46N	02E	19	1D	THREE HAMMERS CONST	BEAMAN	02/09/1979	65	RG	DO	~~	~~			
166988	201	46N	02E	19	1D	THREE HAMMERS CONST	BEAMAN	03/15/1979	65	RG	DO	~~	~~			
166990	201	46N	02E	19	1D	THREE HAMMERS CONST	BEAMAN	10/17/1979	65	RG	DO	~~	~~			
166989	201	46N	02E	19	1D	THREE HAMMERS CONST	BEAMAN	10/17/1979	65	RG	DO	~~	~~			
165877	201	46N	02E	19	1D	THREE HAMMERS	BEAMAN	11/15/1983	70	RG	DO	DL	UN	28	34	10
LOT 60 -- NORTH LAND SUBD																
165876	201	46N	02E	19	1D	THREE HAMMERS	BEAMAN	11/03/1983	69	RG	DO	DL	UN	28	34	10
LOT 50- NORTH LAND SUBD																
166991	201	46N	02E	19	1D	THREE HAMMERS CONST	BEAMAN	10/17/1978	65	RG	DO	~~	~~			
166992	201	46N	02E	19	1D	THREE HAMMERS CONST	BEAMAN	10/17/1979	65	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
166993	201	46N	02E	19	1D	THREE HAMMERS CONST	BEAMAN	04/27/1979	65	RG	DO	~~	~~			
166994	201	46N	02E	19	1D	THREE HAMMERS CONST	BEAMAN	09/01/1978	64	RG	DO	~~	~~			
166995	201	46N	02E	19	1D	THREE HAMMERS CONST	BEAMAN	10/17/1978	62	RG	DO	~~	~~			
166996	201	46N	02E	19	1D	THREE HAMMERS	BEAMAN	11/19/1979	70	RG	DO	~~	~~			
166997	201	46N	02E	19	1D	THREE HAMMERS	BEAMAN	11/29/1980	70	RG	DO	~~	~~			
300997	201	46N	02E	19	1E	FRANK NELSON	BLOYER CO./ALLEN	12/19/1997	65	RG	DO	DL	UN	24	28	12
NORTHLAND ESTES.																
227535	201	46N	02E	19	1H	CLIFF GREENHOW	HINKLE	06/24/1988	77	RG	DO	--	UN	39	45	10
217840	201	46N	02E	19	2A	FRED SMITH	GREENFIELD	08/14/1990	71	RG	DO	--	UN	54	60	10
166763	201	46N	02E	19	2A	H WHITEMORE		02/21/1934	25	RG	DO	~~	~~			
263276	201	46N	02E	19	2A	DAVE GABEL	MARTIN	10/06/1994	65	RG	DO	DL	UN	19	59	
166998	201	46N	02E	19	2A	THREE HAMMERS	BEAMAN	10/07/1980	65	RG	DO	~~	~~			
166999	201	46N	02E	19	2A	HARLAND HIX	GREENFIELD	10/11/1977	60	RG	DO	~~	~~			
167000	201	46N	02E	19	2A	THREE HAMMERS	BEAMAN	10/07/1980	65	RG	DO	~~	~~			
167001	201	46N	02E	19	2A	THREE HAMMERS	BEAMAN	01/30/1981	68	RG	DO	~~	~~			
167002	201	46N	02E	19	2B	THREE HAMMERS	BEAMAN	07/27/1979	65	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167003	201	46N	02E	19	2B	THREE HAMMERS	BEAMAN	10/09/1977	65	RG	DO	~~	~~			
166957	201	46N	02E	19	2B	GUY HOPKINS	BLOYER	00/00/1968	60	RG	DO	~~	~~			
167004	201	46N	02E	19	2B	THREE HAMMERS	BEAMAN	08/29/1979	65	RG	DO	~~	~~			
167005	201	46N	02E	19	2B	THREE HAMMERS	BEAMAN	08/29/1977	62	RG	DO	~~	~~			
167006	201	46N	02E	19	2B	THREE HAMMERS CONST	BEAMAN	04/27/1979	65	RG	DO	~~	~~			
167007	201	46N	02E	19	2B	THREE HAMMERS CONST	BEAMAN	05/11/1979	65	RG	DO	~~	~~			
167008	201	46N	02E	19	2B	THREE HAMMERS CONST	BEAMAN	05/11/1979	65	RG	DO	~~	~~			
167009	201	46N	02E	19	2B	THREE HAMMERS CONST	BEAMAN	05/11/1979	65	RG	DO	~~	~~			
167010	201	46N	02E	19	2C	THREE HAMMERS CONST	BEAMAN	04/27/1979	65	RG	DO	~~	~~			
167011	201	46N	02E	19	2C	THREE HAMMERS	BEAMAN	09/28/1979	65	RG	DO	~~	~~			
167012	201	46N	02E	19	2C	THREE HAMMERS CONST	BEAMAN	04/17/1979	65	RG	DO	~~	~~			
167013	201	46N	02E	19	2C	THREE HAMMERS	BEAMAN	04/19/1984	67	RG	DO	~~	~~			
167014	201	46N	02E	19	2C	THREE HAMMERS	BEAMAN	06/21/1984	68	RG	DO	~~	~~			
167016	201	46N	02E	19	2C	THREE HAMMERS	BEAMAN	06/21/1984	67	RG	DO	~~	~~			
167017	201	46N	02E	19	2C	THREE HAMMERS	BEAMAN	06/21/1984	68	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167018	201	46N	02E	19	2C	THREE HAMMERS	BEAMAN	06/21/1984	68	RG	DO	~~	~~			
167019	201	46N	02E	19	2C	THREE HAMMERS	BEAMAN	03/19/1984	67	RG	DO	~~	~~			
167020	201	46N	02E	19	2D	ROSCOE REALTOR	HINKLE	10/23/1984	64	RG	DO	~~	~~			
167021	201	46N	02E	19	2D	ROSCOE REALTOR	HINKLE	10/23/1984	64	RG	DO	~~	~~			
167015	201	46N	02E	19	2D	ROSCOE REALTOR	HINKLE	03/15/1985	67	RG	DO	~~	~~			
167022	201	46N	02E	19	2E	THREE HAMMERS	BEAMAN	04/30/1980	65	RG	DO	~~	~~			
167023	201	46N	02E	19	2E	THREE HAMMERS	BEAMAN	09/12/1980	65	RG	DO	~~	~~			
167024	201	46N	02E	19	2E	THREE HAMMERS	BEAMAN	03/14/1980	65	RG	DO	~~	~~			
166759	201	46N	02E	19	2H	R G WRIGHT		02/21/1934	64	RG	DO	~~	~~			
167025	201	46N	02E	19	3A	KEN KOTHE	GREENFIELD	05/05/1976	67	RG	DO	~~	~~			
167026	201	46N	02E	19	3A	RALPH GUERIN	GREENFIELD	07/25/1984	67	RG	DO	~~	~~			
166761	201	46N	02E	19	3C	GEO BAKER		02/21/1934	25	RG	DO	~~	~~			
166762	201	46N	02E	19	3C	SILAS HAZELTINE		02/21/1934	25	RG	DO	~~	~~			
327658	201	46N	02E	19	3C	JOHN PIERCE #2	BLOYER WELL & PUMP	10/23/2000	80	RG	DO	DL	UN	29	41	12
LOT 26 KNAPPS KNOLL SUBD.																
321166	201	46N	02E	19	3D	MICHIE DEBERRY	JRB DRILLING	12/30/1999	70	RG	DO	DL	UN	29	34	12

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
266176	201	46N	02E	19	3D	HENRY VANDERWAAL	BULL	12/19/1994	81	RG	DO	DL	UN	24	29	10
LOT 3 PINE BLUFF SUBD.																
167027	201	46N	02E	19	3E	THREE HAMMERS CONST	BEAMAN	07/16/1980	72	RG	DO	~~	~~			
292201	201	46N	02E	19	4A	ED POWERS	JACK BULL	04/17/1996	69	RG	DO	DL	UN	24	29	10
LOT 122 CENTENNIAL SETTLEMENTS																
167028	201	46N	02E	19	4B	MAX DIEHL	GREENFIELD	09/05/1979	65	RG	DO	~~	~~			
361796	201	46N	02E	19	4C	BUD BEMAN #1	BLOYER WELL & PUMP/ALLEN SMITH	10/20/2003	80	RG	DO	DL	UN	24	32	10
227536	201	46N	02E	19	4C	WAYNE BRAKE #8604-04 LOT #84	MARTIN	04/02/1986	60	RG	DO	--	UN	29	45	10
227537	201	46N	02E	19	4D	JIM PETRY LOT 12	GREENFIELD	02/01/1989	70	RG	DO	--	UN	44	50	10
167120	201	46N	02E	19	4D	JOHN OWEN	GREENFIELD	08/10/1977	70	RG	DO	~~	~~			
167121	201	46N	02E	19	4D	DON DUNAWAY	GREENFIELD	03/22/1977	75	RG	DO	~~	~~			
167029	201	46N	02E	19	4D	GARY MCLAUGHLIN	GREENFIELD	05/15/1978	75	RG	DO	~~	~~			
167030	201	46N	02E	19	4D	WAYNE SONNESON	GREENFIELD	10/24/1984	67	RG	DO	~~	~~			
167031	201	46N	02E	19	4G	MARK ANDERSON	BEAMAN	06/09/1986	62	RG	DO	~~	~~			
167032	201	46N	02E	19	5B	THREE HAMMERS	BEAMAN	03/14/1980	70	RG	DO	~~	~~			
167033	201	46N	02E	19	5B	THREE HAMMERS	BEAMAN	03/14/1980	65	RG	DO	~~	~~			
167034	201	46N	02E	19	5C	JOHN OWEN	GREENFIELD	07/23/1980	70	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167035	201	46N	02E	19	5C	JOHN OWEN	GREENFIELD	07/23/1980	70	RG	DO	~~	~~			
167036	201	46N	02E	19	5C	GARY MARTENSON	GREENFIELD	05/30/1985	68	RG	DO	~~	~~			
166760	201	46N	02E	19	5C	E S GLEASMAN		02/21/1934	30	RG	DO	~~	~~			
227538	201	46N	02E	19	5D	WAYNE BRAKE #8615-0015 LOT #2	MARTIN	07/19/1986	60	RG	DO	--	UN	34	45	10
165879	201	46N	02E	19	5D	WAYNE BRAKE	OLSON	10/13/1983	63	RG	DO	DL	UN	39	49	10
167122	201	46N	02E	19	5D	ROBERT FRAZEN	GREENFIELD	09/02/1977	70	RG	DO	~~	~~			
167123	201	46N	02E	19	5D	DON YOUNG	HINKLE	00/00/1977	69	RG	DO	~~	~~			
167037	201	46N	02E	19	5D	JOHN OWEN	GREENFIELD	06/14/1979	65	RG	DO	~~	~~			
167038	201	46N	02E	19	5D	ART JOHNSON	GREENFIELD	04/29/1976	68	RG	DO	~~	~~			
167039	201	46N	02E	19	5D	WAYNE SONNESON	GREENFIELD	09/05/1979	72	RG	DO	~~	~~			
167040	201	46N	02E	19	5D	NEIL MCLAUGHLIN	GREENFIELD	00/00/0000	70	RG	DO	~~	~~			
167041	201	46N	02E	19	5D	WAYNE SONNESON	GREENFIELD	08/18/1980	70	RG	DO	~~	~~			
167042	201	46N	02E	19	5D	JOHN OWEN	GREENFIELD	11/01/1979	70	RG	DO	~~	~~			
167043	201	46N	02E	19	5D	WAYNE BRAKE	OLSON	03/06/1984	62	RG	DO	~~	~~			
167044	201	46N	02E	19	5D	WAYNE BRAKE	OLSON	09/12/1984	63	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DRILL DATE	DEPTH	RECORD TYPE	USE	WELL TYPE	IQ TYPE	STAT LVL	LVL	GPM
167045	201	46N	02E	19	5D	WAYNE BRAKE	OLSON	08/14/1984	63	RG	DO	~~	~~			
167046	201	46N	02E	19	5D	WAYNE SONNESON	GREENFIELD	03/01/1984	67	RG	DO	~~	~~			
167047	201	46N	02E	19	5D	WAYNE BRAKE	OLSON	08/09/1985	60	RG	DO	~~	~~			
167048	201	46N	02E	19	5D	THREE HAMMERS	BEAMAN	05/16/1986	64	RG	DO	~~	~~			
167049	201	46N	02E	19	5D	WILLIAM THURMOND	BEAMAN	06/19/1986	67	RG	DO	~~	~~			
218357	201	46N	02E	19	6A	D SWANSON #4290	LIVINGSTON	09/07/1990	70	RG	DO	--	UN	19	30	
227539	201	46N	02E	19	6C	MARK DOMANOSKI #69	BULL	04/15/1988	67	RG	DO	--	UN	31	32	12
227546	201	46N	02E	19	6C	TIM MC DONNELL LOT #78	BULL	10/27/1988	65	RG	DO	--	UN	34	35	12
167124	201	46N	02E	19	6C	JOHN OWEN	GREENFIELD	06/16/1977	65	RG	DO	~~	~~			
167125	201	46N	02E	19	6C	JOHN OWENS	GREENFIELD	06/16/1977	65	RG	DO	~~	~~			
167126	201	46N	02E	19	6C	JOHN OWEN	GREENFIELD	06/16/1977	65	RG	DO	~~	~~			
167127	201	46N	02E	19	6C	NICK ROLLO	GREENFIELD	08/10/1977	65	RG	DO	~~	~~			
167054	201	46N	02E	19	6C	KEITH ANDERSON	BULL	04/07/1978	65	RG	DO	~~	~~			
167055	201	46N	02E	19	6C	THREE HAMMERS CONST	BEAMAN	04/21/1978	65	RG	DO	~~	~~			
167056	201	46N	02E	19	6C	THREE HAMMERS	BEAMAN	05/25/1978	66	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167057	201	46N	02E	19	6C	DANNY HAYNES	BEAMAN	10/21/1980	65	RG	DO	~~	~~			
167050	201	46N	02E	19	6C	KEN KOTHE	GREENFIELD	06/14/1979	65	RG	DO	~~	~~			
167051	201	46N	02E	19	6C	JOHN OWEN	GREENFIELD	09/05/1979	65	RG	DO	~~	~~			
167052	201	46N	02E	19	6C	KEITH ANDERSON	BULL	12/14/1977	68	RG	DO	~~	~~			
167058	201	46N	02E	19	6D	JOHN OWEN	GREENFIELD	12/22/1978	65	RG	DO	~~	~~			
167059	201	46N	02E	19	6D	JOHN OWEN	GREENFIELD	05/29/1978	65	RG	DO	~~	~~			
167128	201	46N	02E	19	6D	JOHN OWEN	GREENFIELD	03/22/1978	65	RG	DO	~~	~~			
347835	201	46N	02E	19	6D	GARRETT SULLIVAN	BULL WELL DRLG./BILL SCHUUR	09/11/2002	185	RG	DO	DL	BR	59	63	10
ENTERED WITHOUT A PERMIT																
167053	201	46N	02E	19	6E	WAYNE SONNESON	GREENFIELD	10/09/1979	72	RG	DO	~~	~~			
167060	201	46N	02E	19	6F	AMWOOD HOMES	BULL	08/15/1979	80	RG	DO	~~	~~			
167061	201	46N	02E	19	6F	AMWOOD HOMES	BULL	05/16/1980	80	RG	DO	~~	~~			
167062	201	46N	02E	19	6H	ROBERT WHITE	BEAMAN	05/03/1977	71	RG	DO	~~	~~			
167063	201	46N	02E	19	7A	THREE HAMMERS CONST	BEAMAN	11/16/1977	66	RG	DO	~~	~~			
167064	201	46N	02E	19	7B	HANS FLEISSNER	GREENFIELD	04/22/1983	65	RG	DO	~~	~~			
167065	201	46N	02E	19	7C	KEITH ANDERSON	BULL	04/07/1978	65	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	RECORD TYPE	USE	WELL TYPE	IRQ TYPE	STATIC LVL	LVL	GPM
167066	201	46N	02E	19	7C	GEORGE WAITE	BULL	07/15/1987	67	RG	DO	~~	~~			
167129	201	46N	02E	19	7C	KEN KOTHE	GREENFIELD	10/20/1978	66	RG	DO	~~	~~			
167130	201	46N	02E	19	7C	KEN KOTHE	GREENFIELD	10/20/1978	66	RG	DO	~~	~~			
167131	201	46N	02E	19	7C	KEN KOTHE	GREENFIELD	06/07/1978	71	RG	DO	~~	~~			
167109	201	46N	02E	19	7C	JOHN OWEN	GREENFIELD	03/13/1979	65	RG	DO	~~	~~			
226899	201	46N	02E	19	7C	TIM MCDONNELL LOT #73	BULL	10/02/1987	68	RG	DO	--	UN	39	45	12
226900	201	46N	02E	19	7C	GEORGE WAIT	BULL	09/03/1987	68	RG	DO	--	UN	39	45	12
227540	201	46N	02E	19	7C	GEORGE WAIT	BULL	09/03/1987	68	RG	DO	--	UN	39	45	12
227541	201	46N	02E	19	7C	GEORGE WAIT	BULL	07/15/1988	65	RG	DO	--	UN	39	40	12
227542	201	46N	02E	19	7C	PAUL CHAMBERS LOT #113	BULL	08/22/1986		R	DO	--	--			
167141	201	46N	02E	19	7C	KEN KOTHE	GREENFIELD	10/20/1978	66	RG	DO	~~	~~			
209671	201	46N	02E	19	7C	TIM MCDONNELL LOT 73	BULL	10/02/1987	68	RGX	DO	--	UN	40		
167067	201	46N	02E	19	7C	TIM MCDONNELL	BULL	05/15/1987	66	RG	DO	~~	~~			
167068	201	46N	02E	19	7C	KEITH ANDERSON	BULL	10/12/1978	68	RG	DO	~~	~~			
167069	201	46N	02E	19	7C	JOHN OWEN	GREENFIELD	02/09/1979	65	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167070	201	46N	02E	19	7C	HANS FLEISSNER	GREENFIELD	11/01/1978	65	RG	DO	~~	~~			
167071	201	46N	02E	19	7C	KEITH ANDERSON	BULL	05/08/1979	72	RG	DO	~~	~~			
167072	201	46N	02E	19	7C	THREE HAMMERS CONST	BEAMAN	07/01/1977	68	RG	DO	~~	~~			
167073	201	46N	02E	19	7C	KEITH ANDERSON	BULL	05/08/1979	71	RG	DO	~~	~~			
167074	201	46N	02E	19	7C	JIM PETRY JR	BULL	09/23/1986	69	RG	DO	~~	~~			
167075	201	46N	02E	19	7C	TIM MCDONALD	BULL	09/23/1986	65	RG	DO	~~	~~			
167076	201	46N	02E	19	7C	MARK DOMANOSKSI	BULL	05/20/1987	65	RG	DO	~~	~~			
167077	201	46N	02E	19	7C	TIM MCDONNELL	BULL	05/15/1987	65	RG	DO	~~	~~			
167078	201	46N	02E	19	7C	GEORGE WAITE	BULL	10/09/1986	67	RG	DO	~~	~~			
167079	201	46N	02E	19	7C	JIM PETRY	BULL	05/21/1986	65	RG	DO	~~	~~			
167080	201	46N	02E	19	7C	TIM MCDONALD	BULL	06/09/1986	68	RG	DO	~~	~~			
167081	201	46N	02E	19	7C	TIM MCDONALD	BULL	12/02/1983	65	RG	DO	~~	~~			
167082	201	46N	02E	19	7C	JIM PETRY JR	BULL	09/23/1986	68	RG	DO	~~	~~			
167083	201	46N	02E	19	7C	JIM PETRY JR	BULL	09/23/1986	69	RG	DO	~~	~~			
167084	201	46N	02E	19	7C	KENT LOGAN	BULL	08/26/1986	66	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	RECORD TYPE	USE	WELL TYPE	TYPE LVL	LVL	GPM
167085	201	46N	02E	19	7C	TIM MCDONALD	BULL	07/23/1984	65	RG	DO	~~	~~		
167086	201	46N	02E	19	7C	TIM MCDONALD	BULL	07/23/1984	67	RG	DO	~~	~~		
167087	201	46N	02E	19	7C	TIM MCDONALD	BULL	11/16/1984	71	RG	DO	~~	~~		
167088	201	46N	02E	19	7C	TIM MCDONALD	BULL	06/02/1982	68	RG	DO	~~	~~		
167089	201	46N	02E	19	7C	TIM MCDONNELL	BULL	08/15/1985	63	RG	DO	~~	~~		
167090	201	46N	02E	19	7C	TIM MCDONALD	BULL	04/25/1985	68	RG	DO	~~	~~		
167091	201	46N	02E	19	7C	TIM MCDONNELL	BULL	07/24/1985	66	RG	DO	~~	~~		
167092	201	46N	02E	19	7C	LARRY STONE	BULL	07/24/1985	66	RG	DO	~~	~~		
167093	201	46N	02E	19	7C	KENT LOGAN	BULL	11/15/1985	66	RG	DO	~~	~~		
167094	201	46N	02E	19	7C	TIM MCDONALD	BULL	05/07/1985	63	RG	DO	~~	~~		
167095	201	46N	02E	19	7C	THREE HAMMERS	BEAMAN	10/07/1985	68	RG	DO	~~	~~		
167096	201	46N	02E	19	7C	TIM MCDONALD	BULL	04/25/1985	68	RG	DO	~~	~~		
167097	201	46N	02E	19	7D	JOHN OWEN	GREENFIELD	08/13/1979	65	RG	DO	~~	~~		
167098	201	46N	02E	19	7D	JIM STEWART	GREENFIELD	12/22/1978	65	RG	DO	~~	~~		
167142	201	46N	02E	19	7D	JACK FEARN	GREENFIELD	06/22/1977	65	RG	DO	~~	~~		

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167132	201	46N	02E	19	7D	JOHN OWEN	GREENFIELD	03/22/1978	65	RG	DO	~~	~~			
167133	201	46N	02E	19	7D	BEN PAULOKVIC	GREENFIELD	05/27/1977	65	RG	DO	~~	~~			
167134	201	46N	02E	19	7D	DON RAY BLDR	HINKLE	04/21/1978	78	RG	DO	~~	~~			
167135	201	46N	02E	19	7D	CLARENCE HOFFMAN	BULL	09/21/1978	71	RG	DO	~~	~~			
167136	201	46N	02E	19	7D	JOHN OWEN	GREENFIELD	09/22/1978	66	RG	DO	~~	~~			
167137	201	46N	02E	19	7D	KEN KOTHE	GREENFIELD	08/21/1978	69	RG	DO	~~	~~			
260629	201	46N	02E	19	7D	RICK FRIEND #1191	LIVINGSTON	04/23/1991	70	RG	DO	DL	UN	19	34	
LOT 66 CENTENNIAL SETTLEMENT																
227545	201	46N	02E	19	7D	DON RAY BUILDER	HINKLE	06/29/1978	78	RG	DO	--	UN	44	50	10
167099	201	46N	02E	19	7D	ROBERT URBANOWITZ	HINKLE	07/01/1980	75	RG	DO	~~	~~			
167100	201	46N	02E	19	7D	JIM STEWART	GREENFIELD	00/00/0000	67	RG	DO	~~	~~			
167101	201	46N	02E	19	7E	GLEN ROLLETTE	GREENFIELD	00/00/0000	64	RG	DO	~~	~~			
167102	201	46N	02E	19	7E	JOHN OWEN	GREENFIELD	04/15/1980	70	RG	DO	~~	~~			
167103	201	46N	02E	19	7E	WAYNE SONNESON	GREENFIELD	04/16/1980	70	RG	DO	~~	~~			
167104	201	46N	02E	19	7E	WAYNE SONNESON	GREENFIELD	10/27/1980	70	RG	DO	~~	~~			
167105	201	46N	02E	19	7E	THREE HAMMERS	BEAMAN	05/04/1984	69	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167106	201	46N	02E	19	7E	THREE HAMMERS	BEAMAN	09/14/1984	67	RG	DO	~~	~~			
167138	201	46N	02E	19	7E	HANS FLEISSNER	GREENFIELD	07/20/1977	65	RG	DO	~~	~~			
167139	201	46N	02E	19	7E	KEN KOTHE	GREENFIELD	03/22/1978	65	RG	DO	~~	~~			
209672	201	46N	02E	19	7G	TIM MCDONNELL	BULL	11/19/1987	65	RG	DO	--	UN	35		
167107	201	46N	02E	19	7G	TIM MCDONALD	BULL	04/08/1983	67	RG	DO	~~	~~			
167108	201	46N	02E	19	7H	JULIAN VYBORNY	BEAMAN	11/23/1977	64	RG	DO	~~	~~			
209673	201	46N	02E	19	8A	JOHN SLACK CONST	MARTIN	10/27/1987	155	RG	DO	--	BR	40		
217975	201	46N	02E	19	8A	WAYNE SONNESON LOT 4	GREENFIELD	04/26/1990	68	RG	DO	--	UN	44	50	10
167140	201	46N	02E	19	8A	ROCKFORD TWP GARAGE	BULL	06/02/1982	265	RG	IC	~~	~~			
166832	201	46N	02E	19	8A	FRED ELLENBURGER	BULL	05/16/1980	83	RG	IC	~~	~~			
209674	201	46N	02E	19	8C	TIM MCDONNELL LOT 100	BULL	10/17/1987	68	RGX	DO	--	UN	42		
226902	201	46N	02E	19	8C	TIM MCDONNELL LOT #100	BULL	10/17/1987	68	RG	DO	--	UN	41	48	12
167110	201	46N	02E	19	8C	JOHN OWEN	GREENFIELD	02/22/1978	65	RG	DO	~~	~~			
167111	201	46N	02E	19	8D	JOHN OWEN	GREENFIELD	02/22/1978	65	RG	DO	~~	~~			
167143	201	46N	02E	19	8D	PHILLIP LUGINBILL	HINKLE	08/18/1983	80	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
279931	201	46N	02E	19	8D	ED POWERS	BULL	09/15/1995	88	RG	DO	DL	UN	49	53	10
LOT 2 PINE BLUFF SUBD.																
167112	201	46N	02E	19	8E	KEN LABUY	RANEY	08/27/1979	70	RG	DO	~~	~~			
167113	201	46N	02E	19	8E	RICHARD STEWART	GREENFIELD	07/20/1977	65	RG	DO	~~	~~			
167114	201	46N	02E	19	8E	HANS FLESSNER	GREENFIELD	07/20/1978	65	RG	DO	~~	~~			
167115	201	46N	02E	19	8E	KEN KOTHE	GREENFIELD	04/25/1978	65	RG	DO	~~	~~			
167116	201	46N	02E	19	8E	JOHN OWEN	GREENFIELD	08/09/1978	68	RG	DO	~~	~~			
167117	201	46N	02E	19	8E	JOHN OWEN	GREENFIELD	11/04/1977	65	RG	DO	~~	~~			
167118	201	46N	02E	19	8E	HANS FLEISSNER	GREENFIELD	09/05/1979	67	RG	DO	~~	~~			
227544	201	46N	02E	19	8G	DAVE TRESEMER #832-77163 L #62	OLSON WELL CO	11/22/1977	63	RG	DO	--	UN	27	40	15
167119	201	46N	02E	19	8H	WAYNE SONNESON	GREENFIELD	09/03/1975	66	RG	DO	~~	~~			
209721	201	46N	02E	20		MARK DOMANOSKI LOT 25	BULL	11/27/1989	85	RGX	DO	--	UN	55		
209722	201	46N	02E	20		MARK DOMANOSKI LOT 24	BULL	11/13/1989	86	RGX	DO	--	UN	56		
209723	201	46N	02E	20		MARK DOMANOSKI LOT 6	BULL	12/02/1989	86	RGX	DO	--	UN	56		
209714	201	46N	02E	20		MARK DOMANOSKI LOT 12	BULL	11/18/1989	85	RGX	DO	--	UN	55		
218593	201	46N	02E	20		KRIS PIERSON LOT 4	BULL	05/03/1991	85	RG	DO	--	BR	34	35	

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	RECORD TYPE	USE	WELL TYPE	IRQ TYPE	LVL	LVL	GPM
260624	201	46N	02E	20		DON SWANSON	GREENFIELD	06/03/1992	60	RG	DO	DL	UN	29	35	10
LOT 47 RIDGEFIELD SUBD. COMPUTER PERMIT LIST HAS IT AS 201-438-92																
167144	201	46N	02E	20		ROBERT SIMKINS	LIVINGSTON	11/04/1976	62	RG	DO	~~	~~			
167145	201	46N	02E	20		MYERS REALTY	LIVINGSTON	03/14/1977	68	RG	DO	~~	~~			
167146	201	46N	02E	20	1A	JOHN KELLEY	GREENFIELD	04/26/1985	60	RG	DO	~~	~~			
166766	201	46N	02E	20	1A	C O HOLM		00/00/1924	41	RG	DO	~~	~~			
242351	201	46N	02E	20	1A	CHRIS PEARSON	BULL	08/07/1992	82	RG	DO	--	UN	49	50	10
Meadows of Ridgefield Lot 19																
241763	201	46N	02E	20	1A	CHRIS PEARSON	BULL	05/18/1992		RG	DO	--	UN	49	50	10
Meadows of Ridgefield Lot 20																
241737	201	46N	02E	20	1B	M.D. CONST.	BEAMAN	05/08/1992	82	RG	DO	--	UN	29	45	
Meadow of Ridgefield Lot 30																
346199	201	46N	02E	20	2A	ROSCOE REDI-MIX	OLSON WELL & PUMP/EDWARD DEPPE	11/22/2002	78	RG	IC	DL	UN	32	40	20
167148	201	46N	02E	20	4B	WM WOODWARD	GREENFIELD	00/00/0000	65	RG	DO	~~	~~			
194437	201	46N	02E	20	5B	PETRY CONST LOT 75	GREENFIELD	06/19/1989	60	RG	DO	--	UN	20		
194438	201	46N	02E	20	5B	PETRY CONST LOT 71	GREENFIELD	06/15/1989	60	RG	DO	--	UN	20		
227604	201	46N	02E	20	5B	PETRY CONST #69	GREENFIELD	05/22/1989	60	RG	DO	--	UN	19	25	10
227606	201	46N	02E	20	5B	PETRY CONST LOT 70	GREENFIELD	05/22/1989	60	RG	DO	--	UN	19	25	10
227607	201	46N	02E	20	5B	PETRY CONST LOT 54	GREENFIELD	04/11/1989	60	RG	DO	--	UN	19	25	10

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
227608	201	46N	02E	20	5B	PETRY CONS LOT #57	GREENFIELD	05/17/1989	60	RG	DO	--	UN	19	25	10
227610	201	46N	02E	20	5B	PETRY CONST LOT 61	GREENFIELD	05/10/1989	60	RG	DO	--	UN	19	25	10
227611	201	46N	02E	20	5B	PETRY CONST LOT #58	GREENFIELD	05/17/1989	60	RG	DO	--	UN	19	25	10
206365	201	46N	02E	20	5B	THREE HAMMERS	BEAMAN	06/13/1989	72	RG	DO	--	UN	30		
194446	201	46N	02E	20	5D	PETRY CONST LOT 50	GREENFIELD	06/15/1989	60	RG	DO	--	UN	20		
194795	201	46N	02E	20	5D	MARK DOMANOSKI LOT 20	BULL	08/07/1989	80	RG	DO	--	UN	50		
227609	201	46N	02E	20	5D	PETRY CONST LOT 49	GREENFIELD	05/02/1989	60	RG	DO	--	UN	19	25	10
198281	201	46N	02E	20	5D	MARK DOMANSKI	BULL	09/08/1989	80	RG	DO	--	UN	50		
167149	201	46N	02E	20	5E	THREE HAMMERS	BEAMAN	10/23/1986	90	RG	DO	~~	~~			
242322	201	46N	02E	20	6A	JOHN GESSNER	BULL	08/31/1992	81	RG	DO	--	UN	49	50	10
Meadows of Ridgefield Lot 45																
247162	201	46N	02E	20	6B	SONNESON BLDRS.	GREENFIELD	08/17/1993	165	RG	DO	--	BR	64	75	10
LOT #10 LEDGES																
241785	201	46N	02E	20	6B	KRIS PEARSON	BULL	10/24/1991	81	RG	DO	--	UN	44	45	
Meadows of Ridgefield Lot 35																
242294	201	46N	02E	20	6C	DON SWANSON	HINKLE	12/09/1992	81	RG	DO	--	UN	59	65	10
Meadows of Ridgefield Subd. Lot 39																
242224	201	46N	02E	20	6C	INTERGRITY CONST.	ROSENQUIST	09/02/1992	86	RG	DO	--	UN	19	25	25
Meadows of Ridgefield Lot 21																
167150	201	46N	02E	20	6C	ROSCOE REALTOR	HINKLE	04/16/1986	73	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167151	201	46N	02E	20	6C	ROSCOE REALTOR	HINKLE	04/16/1986	77	RG	DO	~~	~~			
194799	201	46N	02E	20	6C	MARK DOMANOSKI LOT 23	BULL	08/08/1989	80	RG	DO	--	UN	50		
167153	201	46N	02E	20	6D	JOHN JOHN	MCKINNEY	07/06/1983	72	RG	DO	~~	~~			
167154	201	46N	02E	20	6G	WAYNE BRAKE	OLSON	07/14/1977	85	RG	DO	~~	~~			
166764	201	46N	02E	20	6H	E HAY		03/00/1934	60	RG	DO	~~	~~			
292623	201	46N	02E	20	7A	THREE HAMMERS	JESSIE BEAMAN	09/01/1996	73	RG	DO	DL	UN	29	29	12
LOT 1 MEADOWS OF RIDGEFIELD SUBD.																
242429	201	46N	02E	20	7A	BRAIRWOOD BLDRS	GREENFIELD	04/23/1992	59	RG	DO	--	UN	24	28	10
Meadows of Ridgefield Subd. LOt 34																
242366	201	46N	02E	20	7B	THREE HAMMERS	BEAMAN	08/24/1992	74	RG	DO	--	UN	24	30	15
Meadows of Ridgefield Lot 44																
242319	201	46N	02E	20	7B	KEN HAUSUICK	BEAMAN	08/10/1992	72	RG	DO	--	UN	24	30	10
Lot 33																
241748	201	46N	02E	20	7B	DON SWANSON	GREENFIELD	06/03/1992	55	RG	DO	--	UN	29	35	10
Meadows of Ridgefield Subd. Lot 41																
227612	201	46N	02E	20	7B	THREE HAMMERS LOT 64	BEAMAN	10/01/1988	75	RG	DO	--	UN	29	30	12
241734	201	46N	02E	20	7B	KEN HAUSICK	BEAMAN	12/15/1992	74	RG	DO	--	UN	29	25	20
Meadows of Ridgefield Lot 43																
241735	201	46N	02E	20	7B	KEN HAUSICK	BEAMAN	12/13/1992	74	RG	DO	--	UN	29	35	10
Meadows of Ridgefield Lot 6																
206381	201	46N	02E	20	7B	THREE HAMMERS	BEAMAN	04/15/1989	72	RG	DO	--	UN	30		
217862	201	46N	02E	20	7B	M D CONST LOT #30	BEAMAN	08/05/1990	85	RG	DO	--	UN	39	45	

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
251820	201	46N	02E	20	7B	BRIARWOOD BUILDERS	BEAMAN	07/20/1993	76	RG	DO	DL	UN	19	30	12
LOT 9 MEADOWS OF RIDGEFIELD																
251782	201	46N	02E	20	7B	KEN HAUSVICK	BEAMAN	11/25/1993	74	RG	DO	DL	UN	29	35	15
LOT 10 MEADOWS OF RIDGEFIELD																
251791	201	46N	02E	20	7B	HONONEGAH HIGH SCHOOL	GREENFIELD	11/23/1993	59	RG	DO	DL	UN	24	30	10
LOT 63 RIDGEFIELD SUBD.																
263283	201	46N	02E	20	7C	CHRIS PEARSON	BULL	10/18/1994	83	RG	DO	DL	UN	19	19	10
LOT 2 MEADOWS OF RIDGEFIELD																
167155	201	46N	02E	20	7C	MEYERS REALTY	GREENFIELD	04/25/1978	62	RG	DO	~~	~~			
167156	201	46N	02E	20	7C	MEYERS REALTY	GREENFIELD	04/25/1978	62	RG	DO	~~	~~			
167157	201	46N	02E	20	7D	LARRY SCHULTZ	MCKINNEY	06/04/1984	74	RG	DO	~~	~~			
167158	201	46N	02E	20	7D	THREE HAMMERS	BEAMAN	10/23/1986	83	RG	DO	~~	~~			
167159	201	46N	02E	20	7D	THREE HAMMERS	BEAMAN	09/19/1986	77	RG	DO	~~	~~			
167160	201	46N	02E	20	7D	THREE HAMMERS	BEAMAN	09/19/1986	77	RG	DO	~~	~~			
167161	201	46N	02E	20	7D	THREE HAMMERS	BEAMAN	03/27/1987	86	RG	DO	~~	~~			
167162	201	46N	02E	20	7D	THREE HAMMERS	BEAMAN	10/23/1986	83	RG	DO	~~	~~			
167163	201	46N	02E	20	7D	THREE HAMMERS	BEAMAN	09/09/1986	83	RG	DO	~~	~~			
167164	201	46N	02E	20	7D	THREE HAMMERS	BEAMAN	09/19/1986	86	RG	DO	~~	~~			
167165	201	46N	02E	20	7D	THREE HAMMERS	BEAMAN	10/23/1986	90	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167166	201	46N	02E	20	7D	THREE HAMMERS	BEAMAN	10/23/1986	83	RG	DO	~~	~~			
218367	201	46N	02E	20	7D	MARK DOMANOSKI LOT 3	BULL	10/03/1990	85	RG	DO	--	UN	34	35	
167167	201	46N	02E	20	7H	THREE HAMMERS	BEAMAN	02/09/1987	86	RG	DO	~~	~~			
167168	201	46N	02E	20	7H	THREE HAMMERS	BEAMAN	02/09/1987	85	RG	DO	~~	~~			
166765	201	46N	02E	20	8A	M G BERENS		03/00/1934	28	RG	DO	~~	~~			
269204	201	46N	02E	20	8A	TONY GROVER	GREENFIELD	04/03/1995	55	RG	DO	DL	UN	19	24	10
LOT 7 MEADOWS OF RIDGEFIELD																
242238	201	46N	02E	20	8A	DON SWANSON	GREENFIELD	09/30/1992	60	RG	DO	--	UN	24	30	10
Meadows of Ridgefield Lot 26																
241837	201	46N	02E	20	8A	DON SWANSON	GREENFIELD	10/30/1992	60	RG	DO	--	UN	29	35	10
Meadows of Ridgefield Subd. Lot 13																
241832	201	46N	02E	20	8A	CHRIS PEARSON	BULL	12/27/1991	81	RG	DO	--	UN	39	40	
Meadows of Ridgefield Subd. Lot 23																
241765	201	46N	02E	20	8A	PAT NOLEN/LOCKHART	BULL	06/09/1992	85	RG	DO	--	UN	29	35	10
Meadows of Ridgefield Lot 22																
247445	201	46N	02E	20	8A	DON SWANSON BLDRS.	GREENFIELD	06/27/1991	60	RG	DO	--	UN	19	30	
LOT 25 MEADOWS OF RIDGEFIELD																
247264	201	46N	02E	20	8A	SONNESON BLDRS.	GREENFIELD	06/01/1993	60	RG	DO	--	UN	19	25	10
LOT 31 MEADOWS OF RIDGEFIELD																
246821	201	46N	02E	20	8A	DON SWANSON BLDRS.	GREENFIELD	06/25/1991	60	RG	DO	--	UN	19	30	10
Meadows of Ridgefield Lot 40 permit in computer as 201791																
244768	201	46N	02E	20	8A	DAN BENJAMIN	BULL	09/17/1993	83	RG	DO	--	UN	34	35	10
Meadows of Ridgefield Lot 24																
244785	201	46N	02E	20	8A	CHRIS PEARSON	BULL	07/30/1993	83	RG	DO	--	UN	34	35	
Meadows of Ridgefield Lot 11																

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
218365	201	46N	02E	20	8A	NICK PUMILLA LOT #16	BULL	10/12/1990	77	RG	DO	--	UN	29	30	
259205	201	46N	02E	20	8B	DON SWANSON LOT 4 MEADOWS OF RIDGEFIELD	GREENFIELD	05/25/1994	60	RG	DO	DL	UN	24	30	10
251795	201	46N	02E	20	8B	SONNESON BLDRS. LOT 12 MEADOWS OF RIDGEFIELD SUBD.	GREENFIELD	01/13/1994	60	RG	DO	DL	UN	24	28	10
218377	201	46N	02E	20	8B	MARK DOMANOSKI LOT #17	BULL	11/16/1990	78	RG	DO	--	UN	29	35	
227613	201	46N	02E	20	8B	THREE HAMMERS LOT 74	BEAMAN	08/16/1988	75	RG	DO	--	UN	34	35	10
227615	201	46N	02E	20	8B	THREE HAMMERS LOT #52	BEAMAN	12/23/1988	72	RG	DO	--	UN	30	33	
299210	201	46N	02E	20	8B	DON SWANSON LOT 14 MEADOWS OF RIDGEFIELD SUBD.	ED GREENFIELD	10/04/1990	60	RG	DO	DL	UN	24	27	10
167147	201	46N	02E	20	8B	DAVE MEYERS	GREENFIELD	10/13/1978	66	RG	DO	~~	~~			
167169	201	46N	02E	20	8B	ROBERT GREENFIELD	GREENFIELD	04/22/1983	65	RG	DO	~~	~~			
167170	201	46N	02E	20	8B	DAVE MEYERS	GREENFIELD	10/13/1978	66	RG	DO	~~	~~			
167171	201	46N	02E	20	8C	ROSCOE REALTOR	HINKLE	07/30/1985	68	RG	DO	~~	~~			
167172	201	46N	02E	20	8C	MEYERS REALTY	GREENFIELD	12/28/1977	67	RG	DO	~~	~~			
167173	201	46N	02E	20	8C	ROSCOE REALTOR	HINKLE	07/22/1985	69	RG	DO	~~	~~			
167174	201	46N	02E	20	8C	MEYERS REALTY	GREENFIELD	12/28/1977	68	RG	DO	~~	~~			
167175	201	46N	02E	20	8C	ROSCOE REALTOR	HINKLE	07/08/1986	70	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167152	201	46N	02E	20	8C	ROSCOE REALTOR	HINKLE	05/13/1986	73	RG	DO	~~	~~			
266316	201	46N	02E	20	8C	KRIS PEARSON	BULL	08/29/1994	83	RG	DO	DL	UN	19	22	
LOT 32 MEADOWS OF RIDGEFIELD																
227616	201	46N	02E	20	8C	HARKIN HOUSE BUILDER LOT #3	HINKLE	08/24/1987	67	RG	DO	--	UN	39	40	10
241603	201	46N	02E	20	8C	CHRIS PIERSON	BULL	01/19/1993	82	RG	DO	--	UN	41	42	10
Meadows of Ridgefield Lot 18																
241604	201	46N	02E	20	8C	CHRIS PIERSON	BULL	01/29/1993	82	RG	DO	--	UN	41	42	10
Meadows of Ridgefield Subd. Lot 5																
209675	201	46N	02E	20	8C	HARKIN HOUSE BUILDER LOT 3	HINKLE	08/24/1987	67	RGX	DO	--	UN	40		
194781	201	46N	02E	20	8D	TIM MCDONNELL LOT 13	BULL	05/15/1989	79	RG	DO	--	UN	49		
218600	201	46N	02E	20	8D	MARK DOMANOSKI LOT 22	BULL	06/07/1991	84	RG	DO	--	BR	29	30	
194439	201	46N	02E	20	8D	TIM MCDONNELL	BULL	04/27/1989	81	RG	DO	--	UN	30		
227619	201	46N	02E	20	8D	BRIAN MOLENCUPP LOT 8	MCKINNEY	06/28/1988	80	RG	DO	--	UN	44	50	30
227620	201	46N	02E	20	8D	MARK DOMANOSKI	BULL	11/15/1988	80	RG	DO	--	UN	49	50	12
227622	201	46N	02E	20	8D	MARK DOMANOSKI LOT #14	BULL	11/17/1988	81	RG	DO	--	UN	49	50	12
227623	201	46N	02E	20	8D	MARK DOMANOSKI LOT #5	BULL	01/21/1989	80	RG	DO	--	UN	29	30	
227625	201	46N	02E	20	8D	MARK DOMANOSKI LOT #17	BULL	12/27/1988	76	RG	DO	--	UN	39	40	
227626	201	46N	02E	20	8D	MARK DOMANOSKI LOT #10	BULL	10/02/1988	80	RG	DO	--	UN	49	50	12

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
227627	201	46N	02E	20	8D	TIM MCDONNELL	BULL	10/24/1988	78	RG	DO	--	UN	29	30	12
227628	201	46N	02E	20	8D	TIM MCDONNELL LOT #8	BULL	09/28/1988	81	RG	DO	--	UN	49	50	12
241724	201	46N	02E	20	8D	SILAS JOHNSON	BULL	12/07/1992	80	RG	DO	--	UN	24	25	20
Meadows of Ridgefield Lot 8																
194426	201	46N	02E	20	8D	MARK DOMANOSKI	BULL	06/01/1989	79	RG	DO	--	UN	30		
167176	201	46N	02E	20	8F	WAYNE BRAKE	OLSON	05/09/1983	63	RG	DO	~~	~~			
167177	201	46N	02E	21		DOAK CARTER	GOVERT	00/00/1964	57	RG	DO	~~	~~			
217913	201	46N	02E	21		HERITAGE BAPTIST CHURCH	GREENFIELD	05/02/1991	74	RG	NC	--	UN	44	50	10
222293	201	46N	02E	21		WASTE MANAGEMENT OF ROCKFORD	G.ROSENQUIST	02/05/1992	46	A	IC	--	--			
drilled - 1989																
222294	201	46N	02E	21		WASTE MANAGEMENT OF ROCKFORD	G. ROSENQUIST	02/05/1992	36	A	IC	--	--			
drilled - 1989																
222291	201	46N	02E	21		WASTE MANAGEMENT OF ROCKFORD	G.ROSENQUIST	02/05/1992	49	A	IC	--	--			
drilled 1989																
222292	201	46N	02E	21		WASTE MANAGEMENT OF ROCKFORD	G.ROSENQUIST	02/05/1992	49	A	IC	--	--			
drilled - 1991																
166775	201	46N	02E	21	1B	C W ELLIS		03/00/1934	60	RG	DO	~~	~~			
167178	201	46N	02E	21	1C	REV WILMES JONES	BULL	08/15/1977	72	RG	DO	~~	~~			
167179	201	46N	02E	21	2A	CLAUDIA DIXON	GREENFIELD	11/29/1984	55	RG	DO	~~	~~			
310755	201	46N	02E	21	2B	DWIGHT SWANSON	JRB DRILLING/MARTIN	04/17/1999	320	RG	DO	DL	BR	79	79	12
LOT 22 GRANDVIEW SUBD.																

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
166772	201	46N	02E	21	4A	K MCCURRY		03/00/1934	39	RG	DO	~~	~~			
166773	201	46N	02E	21	4A	K MCCURRY		03/00/1934	41	RG	DO	~~	~~			
166774	201	46N	02E	21	4A	K MCCURRY		03/00/1934	42	RG	DO	~~	~~			
166768	201	46N	02E	21	4F	A JOHNSON		01/00/1934	69	RG	DO	~~	~~			
166767	201	46N	02E	21	4G	L H SCHMAUSS		00/00/1929	73	RG	DO	~~	~~			
327096	201	46N	02E	21	5A	WILLIAM BOND	JRB DRILLING	06/29/2000	74	RG	DO	DL	UN	25	29	12
166771	201	46N	02E	21	5A	G H VANHORN		03/00/1934	39	RG	DO	~~	~~			
209676	201	46N	02E	21	5B	ROD CHAMBERS	BULL	09/30/1987	77	RG	DO	--	UN	45		
226907	201	46N	02E	21	5B	ROD CHAMBERS	BULL	09/30/1987	77	RG	DO	--	UN	44	50	12
166770	201	46N	02E	21	6A	K MCCURRY		03/00/1934	40	RG	DO	~~	~~			
166769	201	46N	02E	21	6B	ARTHUR BURGER		03/00/1934	41	RG	DO	~~	~~			
167180	201	46N	02E	21	7A	JERRY HURT	GREENFIELD	06/16/1972	57	RG	DO	~~	~~			
194441	201	46N	02E	21	7A	MARK DOM AND CHRIS PIERSON	BULL	06/08/1989	103	RG	DO	--	UN	30		
167181	201	46N	02E	21	7B	HAROLD HAIGHT	BLOYER	03/18/1971	65	RG	DO	~~	~~			
167182	201	46N	02E	21	7B	OSCAR ANDERSON	GREENFIELD	01/21/1977	55	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	RECORD TYPE	USE	WELL TYPE	IQ TYPE	LVL	LVL	GPM
167183	201	46N	02E	21	7B	JOHN TAYLOR	GREENFIELD	03/14/1977	55	RG	DO	~~	~~			
167184	201	46N	02E	21	7B	ALBERTA FARRELL	GREENFIELD	10/09/1984	60	RG	DO	~~	~~			
167186	201	46N	02E	21	7C	W O BAINBRIDGE	GREENFIELD	11/14/1980	50	RG	DO	~~	~~			
227629	201	46N	02E	21	7G	TAYLOR WOOSLEY	BULL	11/13/1987	72	RG	DO	--	UN	14	20	12
167185	201	46N	02E	21	7H	KLENZADE PRODUCTS	HOLZEN	00/00/1959	150	RGI	IC	~~	~~			
166776	201	46N	02E	21	7H	KLENZADE PRODUCTS INC	HOLZEM	10/00/1957	123	RG	IC	~~	~~			
167188	201	46N	02E	21	8B	WAYNE ROSE	GREENFIELD	09/30/1974	50	RG	DO	~~	~~			
284194	201	46N	02E	21	8D	PYRAMID EXC. #1	MUNICIPAL WELL&PUMP	10/26/1995	72	RG	IR	DR	UN	23	38	700
287914	201	46N	02E	21	8D	PYRAMID EXC. #1	MUNICIPAL WELL/PUMP	10/26/1995	72	RG	IR	DR	UN	23	38	700
167189	201	46N	02E	21	8F	ROY RITTER	HINKLE	00/00/1968	71	RG	DO	~~	~~			
167190	201	46N	02E	21	8F	AAA DISPOSAL	GREENFIELD	11/30/1983	80	RG	IC	~~	~~			
167591	201	46N	02E	28		GEORGE CICHON	HINKLE	02/10/1976	65	RG	DO	~~	~~			
167592	201	46N	02E	28		STAN MANINO	LIVINGSTON	09/08/1981	80	RG	DO	~~	~~			
169057	201	46N	02E	28		ARNDT REALTOR	HINKLE	07/02/1976	65	RG	DO	~~	~~			
169089	201	46N	02E	28		ARNDT REALTOR	HINKLE	03/01/1976	65	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
169359	201	46N	02E	28		WARNER ELECTRIC BRAKE & CLUTCH	ALLABAUGH	07/00/1956	98	RG	IC	~~	~~			
227697	201	46N	02E	28		ROBERT SHUGO #4487 LOT #5	LIVINGSTON	12/23/1987	65	RG	DO	--	UN	19	30	10
167614	201	46N	02E	28	__	WARNER ELECTRIC	ALLABAUGH	00/00/1956	97	RG	IC	~~	~~			
167336	201	46N	02E	28	1D	H H RANDALL		03/00/1934	32	RG	DO	~~	~~			
167331	201	46N	02E	28	2A	B E ANDERSON		03/00/1934	38	RG	DO	~~	~~			
167332	201	46N	02E	28	2A	OLIVER BEARD		03/00/1934	190	RG	DO	~~	~~			
167593	201	46N	02E	28	2A	ROSCOE TWP HIGHWAY DEPT	GREENFIELD	00/00/0000	60	RG	IC	~~	~~			
241650	201	46N	02E	28	2A	MARANATHA ASSEMBLY OF GOD	MARTIN & SONS	05/20/1992	60	RG	DO	--	UN	14		
333293	201	46N	02E	28	2C	LOREN HANICHEK	JRB DRILLING	07/02/2001	59	RG	DO	DL	UN	19	29	15
167334	201	46N	02E	28	2D	A R SAMP		03/00/1934	41	RG	DO	~~	~~			
167335	201	46N	02E	28	2D	H H RANDALL		03/00/1934	30	RG	DO	~~	~~			
167333	201	46N	02E	28	3A	B H BROWN		03/00/1934	35	RG	DO	~~	~~			
167589	201	46N	02E	28	3B	TERRY ANDERSON	GREENFIELD	11/04/1977	65	RG	IC	~~	~~			
227698	201	46N	02E	28	3B	WAYNE BRAKE #8602-02	MARTIN	03/12/1986	59	RG	DO	--	UN	24	45	10
167594	201	46N	02E	28	3C	LEE HANSON	GREENFIELD	08/10/1984	85	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167595	201	46N	02E	28	4B	1ST NATIONAL BANK	GREENFIELD	10/09/1979	100	RG	IC	~~	~~			
300131	201	46N	02E	28	5D	R J M HOMES	BULL DRLG./MARTIN	04/22/1997	72	RG	IC	DL	UN	27	29	6
LOT 4 ROSCOE IND. PARK																
167609	201	46N	02E	28	6A	A J DWYER	HINKLE	00/00/1969	57	RG	DO	~~	~~			
167610	201	46N	02E	28	6B	JERRY ANDERSON	GREENFIELD	09/27/1979	72	RG	IC	~~	~~			
167611	201	46N	02E	28	6B	BERENS OUTDOORSMAN	GREENFIELD	08/25/1978	66	RG	IC	~~	~~			
209683	201	46N	02E	28	6B	ROBERT SHUGR LOT 5	LIVINGSTON	12/23/1987	65	RGX	DO	--	UN	20		
167330	201	46N	02E	28	6B	ROSS BUCHANAN		03/00/1934	22	RG	DO	~~	~~			
167612	201	46N	02E	28	6C	KENWELL INDUSTRIES	GREENFIELD	04/07/1972	82	RG	IC	~~	~~			
297964	201	46N	02E	28	6D	SWANSON SPRAY SYSTEMS #1	BLOYER WELL/SMITH	03/20/1997	72	RG	IC	DL	UN	19	24	10
LOT 6 ROSCOE IND. PARK BILL SWANSON OWNER																
169358	201	46N	02E	28	6G	WARNER ELECTRIC BRAKE & CLUTCH	MILLER	11/00/1968	97	RG	IC	~~	~~			
167329	201	46N	02E	28	7A	ROSS BUCHANAN		03/00/1934	35	RG	DO	~~	~~			
167617	201	46N	02E	28	7B	GERALD ANDERSON	GREENFIELD	00/00/0000	70	RG	DO	~~	~~			
167654	201	46N	02E	28	7B	FIRST SAV & LOAN ASSN	GREENFIELD	03/22/1979	65	RG	IC	~~	~~			
167596	201	46N	02E	28	7B	THREE HAMMERS	BEAMAN	04/03/1986	66	RG	DO	~~	~~			
227699	201	46N	02E	28	7B	RICH HOPPE	BULL	04/24/1988	78	RG	DO	--	UN	32	33	12

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167590	201	46N	02E	28	7C	DAVE DOUGHERTY	BULL	12/10/1980	65	RG	DO	~~	~~			
167613	201	46N	02E	28	7G	WARNER ELECTRIC BRAKE	J P MILLER	11/15/1968	97	RG C	IC	~~	~~			
167326	201	46N	02E	28	7H	R R POMEROY		03/00/1934	39	RG	DO	~~	~~			
167328	201	46N	02E	28	8A	F F MOORE EST		03/00/1934	45	RG	DO	~~	~~			
227700	201	46N	02E	28	8A	TOM YANKAITIS	HINKLE	05/16/1988	67	RG	DO	--	UN	39	40	10
227701	201	46N	02E	28	8A	AL RINALDI	GREENFIELD	04/22/1988	300	RG	DO	--	BR	39	40	20
167327	201	46N	02E	28	8B	F F MOORE EST		03/00/1934	45	RG	DO	~~	~~			
167616	201	46N	02E	28	8H	WARNER ELECTRIC BRAKE & CLUTCH		00/00/1984	540	C	IC	~~	~~			
169054	201	46N	02E	29		ARNDT REALTOR	HINKLE	11/24/1975	65	RG	DO	~~	~~			
169056	201	46N	02E	29		ARNT REALTOR	HINKLE	08/29/1975	65	RG	DO	~~	~~			
169058	201	46N	02E	29		ARNDT REALTOR	HINKLE	09/05/1975	65	RG	DO	~~	~~			
169060	201	46N	02E	29		ARNDT REALTOR	HINKLE	10/22/1975	65	RG	DO	~~	~~			
169062	201	46N	02E	29		TERRY ARNDT	OLSON	10/28/1977	63	RG	DO	~~	~~			
169063	201	46N	02E	29		ARNDT REALTOR	HINKLE	10/22/1975	65	RG	DO	~~	~~			
169064	201	46N	02E	29		TERRY ARNDT	OLSON	09/09/1977	63	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
169066	201	46N	02E	29		GRANT ROBERT	HINKLE	11/18/1976	65	RG	DO	~~	~~			
169067	201	46N	02E	29		ARNDT REALTOR	HINKLE	00/00/1976	64	RG	DO	~~	~~			
169069	201	46N	02E	29		TERRY ARNDT/ED ANDERSON	OLSON	09/09/1977	63	RGA	DO	~~	~~			
169072	201	46N	02E	29		TERRY ARNDT	OLSON	09/09/1977	63	RG	DO	~~	~~			
169073	201	46N	02E	29		TERRY ARNDT	OLSON	04/26/1977	63	RG	DO	~~	~~			
169074	201	46N	02E	29		TERRY ARNDT/ELIZABETH HOBBS	OLSON	07/18/1977	63	RGA	DO	~~	~~			
169075	201	46N	02E	29		TERRY ARNDT	OLSON	11/14/1977	63	RG	DO	~~	~~			
169076	201	46N	02E	29		TERRY ARNDT	OLSON	10/24/1977	63	RG	DO	~~	~~			
169077	201	46N	02E	29		ARNDT REALTOR	HINKLE	09/02/1976	65	RG	DO	~~	~~			
169078	201	46N	02E	29		ARNDT REALTOR	HINKLE	05/10/1976	65	RG	DO	~~	~~			
169079	201	46N	02E	29		ARNDT REALTOR	HINKLE	05/00/1976	65	RG	DO	~~	~~			
169080	201	46N	02E	29		ARNDT REALTOR	HINKLE	09/02/1976	65	RG	DO	~~	~~			
169081	201	46N	02E	29		ARNDT REALTOR	HINKLE	03/01/1976	65	RG	DO	~~	~~			
169082	201	46N	02E	29		ARNDT REALTOR	HINKLE	07/02/1976	65	RG	DO	~~	~~			
169083	201	46N	02E	29		ARNDT REALTOR	HINKLE	05/10/1976	65	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
169084	201	46N	02E	29		TERRY ARNDT	OLSON	03/24/1977	63	RG	DO	~~	~~			
169085	201	46N	02E	29		TERRY ARNDT	OLSON	03/24/1977	63	RG	DO	~~	~~			
169086	201	46N	02E	29		ARNDT REALTOR	HINKLE	05/10/1976	65	RG	DO	~~	~~			
169087	201	46N	02E	29		TERRY ARNDT	OLSON	03/24/1977	63	RG	DO	~~	~~			
169088	201	46N	02E	29		TERRY ARNDT	OLSON	03/24/1977	63	RG	DO	~~	~~			
169090	201	46N	02E	29		TERRY ARNDT	OLSON	03/24/1977	63	RG	DO	~~	~~			
169091	201	46N	02E	29		TERRY ARNDT/RICHARD BALCITIS	OLSON	10/24/1977	63	RGA	DO	~~	~~			
169092	201	46N	02E	29		TERRY ARNDT	OLSON	02/23/1979	63	RG	DO	~~	~~			
169093	201	46N	02E	29		TERRY ARNDT	OLSON	09/09/1977	63	RG	DO	~~	~~			
169094	201	46N	02E	29		TERRY ARNDT	OLSON	06/21/1977	63	RG	DO	~~	~~			
169095	201	46N	02E	29		TERRY ARNDT	OLSON	08/26/1977	64	RG	DO	~~	~~			
169096	201	46N	02E	29		TERRY ARNDT	OLSON	10/24/1977	63	RG	DO	~~	~~			
169097	201	46N	02E	29		TERRY ARNDT	OLSON	06/21/1977	64	RG	DO	~~	~~			
169098	201	46N	02E	29		TERRY ARNDT	OLSON	10/10/1977	63	RG	DO	~~	~~			
169099	201	46N	02E	29		TERRY ARNDT	OLSON	06/21/1977	63	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
169100	201	46N	02E	29		TERRY ARNDT	OLSON	06/21/1977	63	RG	DO	~~	~~			
169101	201	46N	02E	29		TERRY ARNDT	OLSON	03/24/1977	62	RG	DO	~~	~~			
169102	201	46N	02E	29		TERRY ARNDT/GARY MENZIES	OLSON	03/24/1977	62	RGA	DO	~~	~~			
169103	201	46N	02E	29		TERRY ARNDT/KENNETH LUTGEN	OLSON	11/14/1977	63	RGA	DO	~~	~~			
169104	201	46N	02E	29		TERRY ARNDT/LOUIS BECKER	OLSON	10/24/1977	63	RGA	DO	~~	~~			
169105	201	46N	02E	29		TERRY ARNDT	OLSON	02/23/1978	63	RG	DO	~~	~~			
169106	201	46N	02E	29		TERRY ARNDT	OLSON	10/28/1977	63	RG	DO	~~	~~			
169107	201	46N	02E	29		ARNDT REALTOR/H WINNEBAUGH	HINKLE	07/08/1977	79	RGA	DO	~~	~~			
169108	201	46N	02E	29		TERRY ARNDT	OLSON	11/09/1977	63	RG	DO	~~	~~			
169109	201	46N	02E	29		TERRY ARNDT	OLSON	04/14/1978	63	RG	DO	~~	~~			
169110	201	46N	02E	29		TERRY ARNDT	OLSON	09/09/1977	63	RG	DO	~~	~~			
169111	201	46N	02E	29		TERRY ARNDT	OLSON	08/25/1977	65	RG	DO	~~	~~			
169112	201	46N	02E	29		TERRY ARNDT	OLSON	09/09/1977	63	RG	DO	~~	~~			
169113	201	46N	02E	29		TERRY ARNDT	OLSON	09/09/1977	63	RG	DO	~~	~~			
169114	201	46N	02E	29		TERRY ARNDT	OLSON	10/24/1977	63	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE LVL	LVL	GPM
169115	201	46N	02E	29		TERRY ARNDT	OLSON	05/24/1977	63	RG	DO	~~	~~		
169116	201	46N	02E	29		TERRY ARNDT	OLSON	02/23/1978	63	RG	DO	~~	~~		
169117	201	46N	02E	29		TERRY ARNDT	OLSON	11/14/1977	63	RG	DO	~~	~~		
169118	201	46N	02E	29		TERRY ARNDT	OLSON	03/24/1977	63	RG	DO	~~	~~		
169119	201	46N	02E	29		TERRY ARNDT	OLSON	06/21/1977	63	RG	DO	~~	~~		
169120	201	46N	02E	29		TERRY ARNDT	OLSON	09/09/1977	63	RG	DO	~~	~~		
169121	201	46N	02E	29		TERRY ARNDT/RICHARD BOTSFORD	OLSON	10/24/1977	63	RGA	DO	~~	~~		
169122	201	46N	02E	29		TERRY ARNDT/RANDY OLSON	OLSON	04/10/1978	61	RGA	DO	~~	~~		
169123	201	46N	02E	29		TERRY ARNDT/DAVID QUEEN	OLSON	04/10/1978	63	RGA	DO	~~	~~		
169124	201	46N	02E	29		TERRY ARNDT/CARL RANDALL	OLSON	04/10/1978	63	RGA	DO	~~	~~		
169125	201	46N	02E	29		TERRY ARNDT	OLSON	04/10/1978	63	RG	DO	~~	~~		
169126	201	46N	02E	29		TERRY ARNDT/TIMOTHY FIDDER	OLSON	02/23/1978	63	RGA	DO	~~	~~		
169128	201	46N	02E	29		TERRY ARNDT/DAN UNDERHILL	OLSON	03/10/1978	63	RGA	DO	~~	~~		
169130	201	46N	02E	29		TERRY ARNDT/PAUL SHIMONDLE	OLSON	02/23/1978	63	RGA	DO	~~	~~		
169131	201	46N	02E	29		TERRY ARNDT/CARL WATSON	OLSON	11/14/1977	63	RGA	DO	~~	~~		

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
169134	201	46N	02E	29		TERRY ARNDT	OLSON	02/23/1978	63	RG	DO	~~	~~			
169135	201	46N	02E	29		TERRY ARNDT/WM EBERMAN	OLSON	04/10/1978	63	RGA	DO	~~	~~			
169136	201	46N	02E	29		TERRY ARNDT/L LINDQUIST	OLSON	02/23/1978	63	RGA	DO	~~	~~			
169137	201	46N	02E	29		TERRY ARNDT/G & L GROSSE	OLSON	02/23/1978	63	RGA	DO	~~	~~			
169140	201	46N	02E	29		TERRY ARNDT	OLSON	04/10/1978	63	RG	DO	~~	~~			
169141	201	46N	02E	29		TERRY ARNDT/ARNE HOLM	OLSON	04/14/1977	63	RGA	DO	~~	~~			
169142	201	46N	02E	29		TERRY ARNDT/R SHIKENJANSKI	OLSON	11/14/1977	63	RGA	DO	~~	~~			
169167	201	46N	02E	29		KEVIN TISSOT	ALBRECHT	00/00/0000	6	A	DO	~~	~~			
169169	201	46N	02E	29		LAVERN STALLER	ALBRECHT	00/00/0000	63	A	DO	~~	~~			
169179	201	46N	02E	29		CMF DEVELOPMENT CORP	ALBRECHT	00/00/0000	63	A	DO	~~	~~			
169192	201	46N	02E	29		RICK FRIEND	LIVINGSTON	05/23/1983	64	RG	DO	~~	~~			
169196	201	46N	02E	29		RICK FRIEND	LIVINGSTON	11/17/1982	65	RG	DO	~~	~~			
209706	201	46N	02E	29		LIFETIME	GREENFIELD	12/26/1989	60	RG	DO	--	UN	30		
252680	201	46N	02E	29		LIFE TIME BLDRS.	GREENFIELD	04/10/1990	70	RG	DO	--	UN	39	42	10
LOT 79 EVERGREEN MANOR																
228021	201	46N	02E	29		JOSEPH KRUEL LOT 0	ALBRECHT WELL DRLG	08/30/1984	63	A	DO	--	UN			
contaminated																

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
228022 contaminated	201	46N	02E	29		WILLIAM NEALAND LOT 85	ALBRECHT WELL DRILG	08/30/1984	62	A	DO	--	UN			
228023 contaminated	201	46N	02E	29		KENNETH PENNEY LOT 90	ALBRECHT WELL DRLG	08/30/1984	65	A	DO	--	UN			
228025 contaminated	201	46N	02E	29		FIRST SAVINGS & LOAN LOT 138	ALBRECHT WELL DRLG	08/30/1984	62	A	DO	--	UN			
228026 contimated	201	46N	02E	29		JAMES RUSSELL LOT 142	ALBRECHT WELL DRLG	08/30/1984	64	A	DO	--	UN			
228027 contaminated	201	46N	02E	29		CMF CONSTRUCTION CO LOT 170	ALBRECHT WELL DRLG	08/30/1984	63	A	DO	--	UN			
228028 contaminated	201	46N	02E	29		ROBERT BRAMEL LOT 178	ALBRECHT	00/00/1984	61	A	DO	--	UN			
228029	201	46N	02E	29		LARRY GARBOR	MARTIN & SONS WELL	01/29/1991	60	A	DO	--	--			
228031	201	46N	02E	29		WAYNE BRAKE #8739 LOT #206	MARTIN	09/28/1987	70	RG	DO	--	UN	34	40	10
228032	201	46N	02E	29		DAVE TRESEMER #756-7787 LOT 70	OLSON WELL CO	08/26/1977	65	RG	DO	--	UN	34	50	15
228033	201	46N	02E	29		WAYNE BRAKE #8742 LOT #79	MARTIN	10/21/1987	67	RG	DO	--	UN	39	50	10
167615	201	46N	02E	29		WARNER ELECTRIC	ALBRECHT	00/00/0000	62	A	IC	~~	~~			
167618	201	46N	02E	29		ROSCOE TAPLEY	ALBRECHT	00/00/0000	66	A	DO	~~	~~			
167619	201	46N	02E	29		VINCENT COMO	ALBRECHT	00/00/0000	64	A	DO	~~	~~			
167620	201	46N	02E	29		WILLIAM DOWNEY	ALBRECHT	00/00/0000	63	A	DO	~~	~~			
167621	201	46N	02E	29		GEORGE REGNER	ALBRECHT	00/00/0000	65	A	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167622	201	46N	02E	29		EUGENE SPICKLER	ALBRECHT	00/00/0000	65	A	DO	~~	~~			
167623	201	46N	02E	29		CHARLES O'KEEFE	ALBRECHT	00/00/0000	66	A	DO	~~	~~			
167624	201	46N	02E	29		KURT WEBER	ALBRECHT	00/00/0000	64	A	DO	~~	~~			
167625	201	46N	02E	29		CHARLES LINDQUIST	ALBRECHT	00/00/0000	65	A	DO	~~	~~			
167626	201	46N	02E	29		DELLBERT CLARK	ALBRECHT	00/00/0000	66	A	DO	~~	~~			
167627	201	46N	02E	29		LINDA CONLEY	ALBRECHT	00/00/0000	60	A	DO	~~	~~			
167628	201	46N	02E	29		FRANK JOHNSON	ALBRECHT	00/00/0000	64	A	DO	~~	~~			
167629	201	46N	02E	29		DANIEL VARGAS	ALBRECHT	00/00/0000	61	A	DO	~~	~~			
167630	201	46N	02E	29		ROBERT CLINE	ALBRECHT	00/00/0000	45	A	DO	~~	~~			
167631	201	46N	02E	29		CHARLES HAGSTROM	ALBRECHT	00/00/0000	62	A	DO	~~	~~			
167632	201	46N	02E	29		THOMAS QUINN	ALBRECHT	00/00/0000	64	A	DO	~~	~~			
167633	201	46N	02E	29		RICHARD BALCITIS	ALBRECHT	00/00/0000	65	A	DO	~~	~~			
167634	201	46N	02E	29		STEVE MURPHY	ALBRECHT	00/00/0000	64	A	DO	~~	~~			
167635	201	46N	02E	29		SCOTT EISCHEID	ALBRECHT	00/00/0000	63	A	DO	~~	~~			
167636	201	46N	02E	29		DONALD LOOMIS	ALBRECHT	00/00/0000	63	A	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167637	201	46N	02E	29		RALPH FULTON	BLOYER	00/00/1965	67	RG	DO	~~	~~			
167649	201	46N	02E	29		SUNGATE CONST	HINKLE	04/22/1971	80	RG	DO	~~	~~			
167650	201	46N	02E	29		JOHN OWEN	HINKLE	04/29/1975	62	RG	DO	~~	~~			
167651	201	46N	02E	29		JOHN OWEN	HINKLE	08/13/1975	64	RG	DO	~~	~~			
167652	201	46N	02E	29		JOHN OWEN	HINKLE	03/01/1976	65	RG	DO	~~	~~			
167653	201	46N	02E	29		JOHN OWEN	HINKLE	02/27/1976	67	RG	DO	~~	~~			
167655	201	46N	02E	29		DAN JARVIS	BEAMAN	10/14/1976	65	RG	DO	~~	~~			
167656	201	46N	02E	29		DAN JARVIS	BEAMAN	10/14/1976	65	RG	DO	~~	~~			
167657	201	46N	02E	29		DAN JARVIS	BEAMAN	10/14/1967	65	RG	DO	~~	~~			
167658	201	46N	02E	29		DANN JARVIS	BEAMAN	07/28/1976	64	RG	DO	~~	~~			
167659	201	46N	02E	29		DAVE TRESEMER	OLSON	02/24/1977	63	RG	DO	~~	~~			
167660	201	46N	02E	29		DAN JARVIS	BEAMAN	12/10/1976	63	RG	DO	~~	~~			
167661	201	46N	02E	29		DAN JARVIS	BEAMAN	12/10/1976	62	RG	DO	~~	~~			
167662	201	46N	02E	29		DAVE TRESEMER	OLSON	02/24/1977	63	RG	DO	~~	~~			
167663	201	46N	02E	29		TERRY ARNDT	OLSON	03/18/1977	63	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167664	201	46N	02E	29		DAN JARVIS	BEAMAN	05/04/1977	63	RG	DO	~~	~~			
167665	201	46N	02E	29		DAN JARVIS	BEAMAN	05/04/1977	63	RG	DO	~~	~~			
167666	201	46N	02E	29		DAN JARVIS	BEAMAN	05/04/1977	62	RG	DO	~~	~~			
167667	201	46N	02E	29		DAVE TRESEMER	OLSON	04/29/1977	63	RG	DO	~~	~~			
167668	201	46N	02E	29		DAN JARVIS	BEAMAN	05/04/1977	62	RG	DO	~~	~~			
167669	201	46N	02E	29		DAVE TRESEMER	OLSON	06/30/1977	63	RG	DO	~~	~~			
167670	201	46N	02E	29		DAVE TRESEMER	OLSON	06/30/1977	63	RG	DO	~~	~~			
167671	201	46N	02E	29		DAVE TRESEMER	OLSON	06/30/1977	65	RG	DO	~~	~~			
167672	201	46N	02E	29		ROBERT YOUNGOLSON		07/14/1977	63	RG	DO	~~	~~			
167673	201	46N	02E	29		WAYNE BRAKE	OLSON	11/30/1984	63	RG	DO	~~	~~			
167677	201	46N	02E	29		DAVE TRESEMER	OLSON	06/30/1977	63	RG	DO	~~	~~			
169412	201	46N	02E	29	__	DAN JARVIS	BEAMAN	11/23/1978	62	RG	DO	~~	~~			
167343	201	46N	02E	29	1B	MRS I ATWOOD		03/00/1934	43	RG	DO	~~	~~			
167758	201	46N	02E	29	1B	MIKE GREGG	MCKINNEY	10/11/1974	84	RG	DO	~~	~~			
167747	201	46N	02E	29	1B	DOUGLAS GEBHARDT	MCKINNEY	05/02/1977	64	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167679	201	46N	02E	29	1D	WAYNE BRAKE	OLSON	04/20/1982	63	RG	DO	~~	~~			
167680	201	46N	02E	29	1D	WAYNE BRAKE	OLSON	06/09/1983	63	RG	DO	~~	~~			
169158	201	46N	02E	29	1H	TERRY ARNDT	OLSON	08/08/1978	60	RG	DO	~~	~~			
169166	201	46N	02E	29	1H	TERRY ARNDT/PETER SARITSKI	OLSON	08/08/1978	60	RGA	DO	~~	~~			
169180	201	46N	02E	29	2A	E & W CONST/GARY DIECKBERND	BEAMAN	03/06/1981	63	RGA	DO	~~	~~			
167759	201	46N	02E	29	2B	RICHARD HEASLIP	MCKINNEY	04/15/1977	62	RG	DO	~~	~~			
169187	201	46N	02E	29	2C	WAYNE SONNESON	GREENFIELD	07/18/1985	68	RG	DO	~~	~~			
169185	201	46N	02E	29	2F	THREE HAMMERS	BEAMAN	01/24/1986	65	RG	DO	~~	~~			
169171	201	46N	02E	29	3C	PROFESSIONAL CONT	BEAMAN	01/25/1982	65	RG	DO	~~	~~			
169172	201	46N	02E	29	3C	PROFESSIONAL CONT/D SCHERSCHEL	BEAMAN	01/25/1982	65	RGA	DO	~~	~~			
167682	201	46N	02E	29	3E	MARTHA HART	GREENFIELD	03/21/1978	65	RG	DO	~~	~~			
167684	201	46N	02E	29	4A	THREE HAMMERS	BEAMAN	04/28/1987	75	RG	DO	~~	~~			
167685	201	46N	02E	29	4A	THREE HAMMERS	BEAMAN	02/09/1987	70	RG	DO	~~	~~			
167686	201	46N	02E	29	4A	THREE HAMMERS	BEAMAN	03/27/1987	70	RG	DO	~~	~~			
169186	201	46N	02E	29	4A	THREE HAMMERS	BEAMAN	10/26/1984	67	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167639	201	46N	02E	29	4A	THREE HAMMERS	BEAMAN	04/28/1987	70	RG	DO	~~	~~			
167638	201	46N	02E	29	4B	DAVE TRESEMER	MCKINNEY	01/30/1984	74	RG	DO	~~	~~			
228034	201	46N	02E	29	4B	LIFETIME BLDRS LOT 74	GREENFIELD	08/23/1989	60	RG	DO	--	UN	29	35	10
194404	201	46N	02E	29	4B	LIFETIME BLDRS LOT 72	GREENFIELD	07/13/1989	60	RG	DO	--	UN	30		
194405	201	46N	02E	29	4B	LIFETIME BLDRS LOT 76	GREENFIELD	07/11/1989	60	RG	DO	--	UN	30		
194406	201	46N	02E	29	4B	LIFETIME BLDRS LOT 80	GREENFIELD	07/13/1989	60	RG	DO	--	UN	30		
194407	201	46N	02E	29	4B	LIFETIME BLDRS LOT 71	GREENFIELD	07/28/1989	59	RG	DO	--	UN	30		
167683	201	46N	02E	29	4B	DAVE TRESEMER	MCKINNEY	01/30/1984	66	RG	DO	~~	~~			
167674	201	46N	02E	29	4C	DAVE TRESEMER	MCKINNEY	08/20/1984	64	RG	DO	~~	~~			
194445	201	46N	02E	29	4D	PETRY CONST LOT 56	GREENFIELD	05/02/1989	60	RG	DO	--	UN	30		
209773	201	46N	02E	29	4D	THREE HAMMERS LOT 75	BEAMAN	08/14/1989	71	RGX	DO	--	UN	31		
169199	201	46N	02E	29	4D	THREE HAMMERS	BEAMAN	04/20/1984	69	RG	DO	~~	~~			
169194	201	46N	02E	29	4D	WAYNE SONNESON	GREENFIELD	05/14/1985	68	RG	DO	~~	~~			
169183	201	46N	02E	29	4D	WAYNE SONNESON	GREENFIELD	03/22/1985	68	RG	DO	~~	~~			
169133	201	46N	02E	29	4D	TERRY ARNDT	OLSON	08/04/1978	63	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167687	201	46N	02E	29	4D	STAN MANNINO	OLSON	04/12/1979	63	RG	DO	~~	~~			
167688	201	46N	02E	29	4D	MIKE FISCHER	OLSON	06/03/1981	63	RG	DO	~~	~~			
167689	201	46N	02E	29	4D	KEN FISCHER	OLSON	09/09/1981	60	RG	DO	~~	~~			
167690	201	46N	02E	29	4D	LARRY THOMAS	BULL	11/22/1982	70	RG	DO	~~	~~			
167337	201	46N	02E	29	4E	J C MCAFFEE		03/00/1934	48	RG	DO	~~	~~			
167691	201	46N	02E	29	5A	STAN MANNINO	BEAMAN	07/28/1982	67	RG	DO	~~	~~			
167692	201	46N	02E	29	5A	STAN MANNINO	BEAMAN	08/28/1982	67	RG	DO	~~	~~			
167597	201	46N	02E	29	5A	DAN JARVIS	BEAMAN	08/24/1979	65	RG	DO	~~	~~			
169184	201	46N	02E	29	5A	STAN MANNINO	BEAMAN	09/23/1982	65	RG	DO	~~	~~			
228030	201	46N	02E	29	5A	STAN MANNINO LOT 189	BEAMAN	11/01/1982	65	RG	DO	--	UN	39	40	10
241597	201	46N	02E	29	5A	STEVE NEBLOCK	BULL	01/28/1993	65	RG	DO	--	UN	29	30	10
Evergreen Manor Subd. Lot 58																
167678	201	46N	02E	29	5A	STAN MANNINO	BEAMAN	07/28/1982	67	RG	DO	~~	~~			
167676	201	46N	02E	29	5A	KENNETH FISCHER	OLSON	07/29/1981	60	RG	DO	~~	~~			
169413	201	46N	02E	29	5B	DAN JARVIS	BEAMAN	08/04/1977	62	RG	DO	~~	~~			
169414	201	46N	02E	29	5B	DAN JARVIS	BEAMAN	08/04/1977	62	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
169415	201	46N	02E	29	5B	DAN JARVIS	BEAMAN	08/04/1977	62	RG	DO	~~	~~			
169416	201	46N	02E	29	5B	DAN JARVIS	BEAMAN	11/23/1977	62	RG	DO	~~	~~			
169417	201	46N	02E	29	5B	DAN JARVIS	BEAMAN	11/23/1977	62	RG	DO	~~	~~			
169418	201	46N	02E	29	5B	DAN JARVIS	BEAMAN	11/23/1977	62	RG	DO	~~	~~			
169419	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	11/23/1977	62	RG	DO	~~	~~			
169420	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	11/23/1977	62	RG	DO	~~	~~			
169421	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	11/23/1977	62	RG	DO	~~	~~			
169422	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	02/28/1978	62	RG	DO	~~	~~			
169423	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	02/28/1978	62	RG	DO	~~	~~			
169424	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	02/28/1978	62	RG	DO	~~	~~			
169425	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	07/13/1978	62	RG	DO	~~	~~			
169426	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	10/18/1977	62	RG	DO	~~	~~			
169427	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	02/28/1978	62	RG	DO	~~	~~			
169428	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	02/28/1978	62	RG	DO	~~	~~			
169429	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	04/12/1978	62	RG	DO	~~	~~			

VID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
169430	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	11/12/1978	62	RG	DO	~~	~~			
169431	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	04/12/1978	62	RG	DO	~~	~~			
169432	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	09/13/1978	62	RG	DO	~~	~~			
169433	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	02/08/1978	62	RG	DO	~~	~~			
169193	201	46N	02E	29	5C	BRAD TOET	BEAMAN	10/22/1985	65	RG	DO	~~	~~			
169188	201	46N	02E	29	5C	STAN MANNINO	BEAMAN	11/30/1983	62	RG	DO	~~	~~			
169434	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	12/01/1978	62	RG	DO	~~	~~			
169435	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	02/28/1978	62	RG	DO	~~	~~			
169436	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	08/24/1979	62	RG	DO	~~	~~			
169437	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	09/15/1978	62	RG	DO	~~	~~			
169438	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	04/24/1979	62	RG	DO	~~	~~			
169439	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	09/15/1978	62	RG	DO	~~	~~			
169440	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	04/24/1979	64	RG	DO	~~	~~			
169441	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	09/15/1978	62	RG	DO	~~	~~			
169442	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	12/01/1978	62	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
169443	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	02/25/1978	62	RG	DO	~~	~~			
169444	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	02/28/1978	62	RG	DO	~~	~~			
169445	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	10/20/1978	62	RG	DO	~~	~~			
169446	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	12/01/1978	62	RG	DO	~~	~~			
169449	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	12/01/1978	62	RG	DO	~~	~~			
169450	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	12/01/1978	62	RG	DO	~~	~~			
169451	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	04/24/1979	62	RG	DO	~~	~~			
169452	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	04/24/1979	62	RG	DO	~~	~~			
169453	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	04/24/1979	62	RG	DO	~~	~~			
169454	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	04/24/1979	62	RG	DO	~~	~~			
169455	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	12/01/1978	62	RG	DO	~~	~~			
169456	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	12/01/1978	62	RG	DO	~~	~~			
169457	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	12/01/1978	62	RG	DO	~~	~~			
169458	201	46N	02E	29	5C	DAN JARVIS	BEAQMAN	12/01/1978	62	RG	DO	~~	~~			
169459	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	12/01/1978	62	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
169460	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	04/24/1979	62	RG	DO	~~	~~			
169461	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	04/24/1979	62	RG	DO	~~	~~			
169462	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	04/24/1979	62	RG	DO	~~	~~			
169447	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	08/24/1979	62	RG	DO	~~	~~			
169448	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	08/24/1979	62	RG	DO	~~	~~			
169473	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	02/28/1978	62	RG	DO	~~	~~			
169474	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	11/23/1977	62	RG	DO	~~	~~			
169475	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	11/23/1977	62	RG	DO	~~	~~			
169476	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	11/23/1977	62	RG	DO	~~	~~			
169464	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	04/24/1979	62	RG	DO	~~	~~			
169465	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	04/24/1979	62	RG	DO	~~	~~			
169466	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	04/12/1978	62	RG	DO	~~	~~			
169467	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	04/12/1978	62	RG	DO	~~	~~			
169468	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	04/12/1978	62	RG	DO	~~	~~			
169469	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	04/12/1978	62	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
169470	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	04/24/1979	62	RG	DO	~~	~~			
169471	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	00/00/1979	62	RG	DO	~~	~~			
169472	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	02/08/1978	62	RG	DO	~~	~~			
169463	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	04/24/1978	62	RG	DO	~~	~~			
167602	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	08/24/1979	62	RG	DO	~~	~~			
167603	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	08/24/1979	62	RG	DO	~~	~~			
167598	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	10/20/1978	62	RG	DO	~~	~~			
167599	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	08/24/1979	62	RG	DO	~~	~~			
167600	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	07/00/1979	62	RG	DO	~~	~~			
167601	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	08/24/1979	62	RG	DO	~~	~~			
167748	201	46N	02E	29	5C	DAN JARVIS	BEAMAN	05/10/1977	63	RG	DO	~~	~~			
167693	201	46N	02E	29	5D	WAYNE BRAKE	OLSON	04/29/1980	63	RG	DO	~~	~~			
167694	201	46N	02E	29	5D	WAYNE BRAKE	OLSON	03/30/1982	60	RG	DO	~~	~~			
167695	201	46N	02E	29	5D	WAYNE BRAKE	OLSON	04/29/1980	63	RG	DO	~~	~~			
167696	201	46N	02E	29	5D	WAYNE BRAKE	OLSON	09/29/1980	63	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167697	201	46N	02E	29	5D	WAYNE BRAKE	OLSON	10/09/1980	63	RG	DO	~~	~~			
167698	201	46N	02E	29	5D	WAYNE SONNESON	GREENFIELD	12/29/1980	65	RG	DO	~~	~~			
167699	201	46N	02E	29	5D	GARRY COZZI	MCKINNEY	06/17/1983	70	RG	DO	~~	~~			
167640	201	46N	02E	29	5D	RICH HOPPE	BULL	08/22/1986	62	RG	DO	~~	~~			
167641	201	46N	02E	29	5E	VERN CLAUSON	OLSON	04/04/1984	63	RG	DO	~~	~~			
167642	201	46N	02E	29	5E	WAYNE BRAKE	OLSON	10/25/1985	60	RG	DO	~~	~~			
228039	201	46N	02E	29	5E	WAYNE BRAKE #8652-52 LOT #13	MARTIN	11/28/1986	61	RG	DO	--	UN	39	50	10
228040	201	46N	02E	29	5E	WAYNE BRAKE #8737 LOT #29	MARTIN	09/14/1987	65	RG	DO	--	UN	34	45	10
228035	201	46N	02E	29	5E	WAYNE BRAKE #86-03-03 LOT #35	MARTIN	03/28/1986	60	RG	DO	--	UN	34	45	10
228036	201	46N	02E	29	5E	WAYNE BRAKE #8643 LOT #20	MARTIN	07/08/1986	63	RG	DO	--	UN	34	40	10
228037	201	46N	02E	29	5E	WAYNE BRAKE #8627 LOT #37	MARTIN	08/07/1986	62	RG	DO	--	UN	34	45	10
228038	201	46N	02E	29	5E	WAYNE BRAKE #8607 LOT #34	MARTIN	05/07/1986	62	RG	DO	--	UN	29	45	10
167700	201	46N	02E	29	5E	STAN MANINO	OLSON	09/27/1979	63	RG	DO	~~	~~			
167701	201	46N	02E	29	5E	WAYNE BRAKE	OLSON	07/13/1983	62	RG	DO	~~	~~			
167702	201	46N	02E	29	5E	WAYNE BRAKE	OLSON	07/13/1983	62	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167703	201	46N	02E	29	5E	WAYNE BRAKE	OLSON	08/12/1983	63	RG	DO	~~	~~			
167704	201	46N	02E	29	5E	WAYNE BRAKE	OLSON	08/12/1983	63	RG	DO	~~	~~			
167705	201	46N	02E	29	5E	DAVE TRESEMER	OLSON	09/27/1979	64	RG	DO	~~	~~			
167706	201	46N	02E	29	5E	WAYNE BRAKE	OLSON	08/04/1980	63	RG	DO	~~	~~			
167707	201	46N	02E	29	5E	WAYNE BRAKE	OLSON	12/10/1980	63	RG	DO	~~	~~			
167708	201	46N	02E	29	5E	WAYNE BRAKE	OLSON	12/10/1980	63	RG	DO	~~	~~			
167709	201	46N	02E	29	5E	WAYNE BRAKE	OLSON	04/10/1981	63	RG	DO	~~	~~			
167710	201	46N	02E	29	5E	WAYNE BRAKE	OLSON	04/29/1980	63	RG	DO	~~	~~			
167711	201	46N	02E	29	5E	DAVE TRESEMER	OLSON	11/07/1980	63	RG	DO	~~	~~			
167712	201	46N	02E	29	5E	WAYNE BRAKE	OLSON	04/28/1981	63	RG	DO	~~	~~			
167713	201	46N	02E	29	5E	STAN MANNINO	BEAMAN	04/23/1982	65	RG	DO	~~	~~			
167714	201	46N	02E	29	5E	WAYNE BRAKE	OLSON	10/13/1983	63	RG	DO	~~	~~			
167749	201	46N	02E	29	5E	WAYNE BRAKE	OLSON	11/07/1980	63	RG	DO	~~	~~			
167338	201	46N	02E	29	5E	CHICAGO JOINT STOCK & LAND BK		03/00/1934	70	RG	DO	~~	~~			
167643	201	46N	02E	29	5F	KEN KOTHE	GREENFIELD	02/06/1984	67	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
241674	201	46N	02E	29	5F	MIKE GUZZARDO	GREENFIELD	12/10/1992	105	RG	DO	--	UN	44	50	10
Hononegah Ests. Lot 4A																
167604	201	46N	02E	29	5G	DAN JARVIS	BEAMAN	09/00/1978	62	RG	DO	~~	~~			
167605	201	46N	02E	29	5G	DAN JARVIS	BEAMAN	09/00/1978	62	RG	DO	~~	~~			
167606	201	46N	02E	29	5G	DAN JARVIS	BEAMAN	09/15/1978	62	RG	DO	~~	~~			
167607	201	46N	02E	29	5G	DAN J ARVIS	BEAMAN	09/15/1978	62	RG	DO	~~	~~			
167608	201	46N	02E	29	5G	DAN JARVIS	BEAMAN	09/15/1978	62	RG	DO	~~	~~			
167760	201	46N	02E	29	5H	GEORGE FRANZEN	OLSON	11/11/1971	70	RG	DO	~~	~~			
167716	201	46N	02E	29	6A	TERRY ARNDT	OLSON	10/05/1979	63	RG	DO	~~	~~			
167717	201	46N	02E	29	6A	TERRY ARNDT	OLSON	10/05/1979	63	RG	DO	~~	~~			
167718	201	46N	02E	29	6A	COMMERICAL MORTGAGE	OLSON	04/28/1981	63	RG	DO	~~	~~			
167719	201	46N	02E	29	6A	DAVE TRESEMER	MCKINNEY	06/17/1983	70	RG	DO	~~	~~			
167720	201	46N	02E	29	6A	TERRY ARNDT	OLSON	10/05/1979	63	RG	DO	~~	~~			
300171	201	46N	02E	29	6A	DON CAIN	BLOYER WELL/SMITH	10/24/1997	70	RG	DO	DL	UN	14	21	12
LOT 57 EVERGREEN MANOR SUBD.																
228041	201	46N	02E	29	6A	STAN MANNINO #8651 LOT #202	MARTIN	11/26/1986	62	RG	DO	--	UN	39	50	10
228042	201	46N	02E	29	6A	WAYNE BRAKE #8709 LOT #188	MARTIN	05/00/1987	63	RG	DO	--	UN	34	45	10

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
228043	201	46N	02E	29	6A	STAN MANNINO #8653 LOT #201	MARTIN	07/10/1986	61	RG	DO	--	UN	34	45	10
228044	201	46N	02E	29	6A	WAYNE BRAKE #86-19 LOT #187	MARTIN	11/14/1986	61	RG	DO	--	UN	34	45	10
228045	201	46N	02E	29	6A	STAN MANNINO #8603-1475 L 196	MARTIN	01/21/1986	62	RG	DO	--	UN	34	45	10
228046	201	46N	02E	29	6A	WAYNE BRAKE #8619 LOT #95	MARTIN	05/08/1986	61	RG	DO	--	UN	29	40	10
228047	201	46N	02E	29	6A	WAYNE BRAKE #8613-13 LOT #185	MARTIN	06/11/1986	62	RG	DO	--	UN	29	40	10
228048	201	46N	02E	29	6A	WAYNE BRAKE #8628	MARTIN	08/07/1986	60	RG	DO	--	UN	34	45	10
228049	201	46N	02E	29	6A	WAYNE BRAKE #8636 LOT #212	MARTIN	08/29/1986	62	RG	DO	--	UN	29	45	10
228050	201	46N	02E	29	6A	WAYNE BRAKE #8629 LOT #203	MARTIN	08/08/1986	60	RG	DO	--	UN	34	45	10
228051	201	46N	02E	29	6A	WAYNE BRAKE #8729 LOT #211	MARTIN	08/16/1987	64	RG	DO	--	UN	29	35	10
228052	201	46N	02E	29	6A	WAYNE BRAKE #8637 LOT #180	MARTIN	09/02/1986	63	RG	DO	--	UN	29	45	10
169197	201	46N	02E	29	6A	WAYNE BRAKE	OLSON	08/14/1984	63	RG	DO	~~	~~			
169198	201	46N	02E	29	6A	WAYNE BRAKE	OLSON	10/26/1984	63	RG	DO	~~	~~			
169189	201	46N	02E	29	6A	WAYNE BRAKE	OLSON	10/25/1985	57	RG	DO	~~	~~			
169190	201	46N	02E	29	6A	STAN MANNINO	OLSON	01/10/1986	60	RG	DO	~~	~~			
169191	201	46N	02E	29	6A	WAYNE BRAKE	OLSON	07/12/1985	60	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
169182	201	46N	02E	29	6A	WAYNE BRAKE	OLSON	12/18/1985	60	RG	DO	~~	~~			
169477	201	46N	02E	29	6B	DAN JARVIS	BEAMAN	10/18/1977	62	RG	DO	~~	~~			
169478	201	46N	02E	29	6B	DAN JARVIS	BEAMAN	10/18/1977	62	RG	DO	~~	~~			
167675	201	46N	02E	29	6B	WAYNE BRAKE	OLSON	08/14/1984	63	RG	DO	~~	~~			
167721	201	46N	02E	29	6B	DAN JARVIS	BEAMAN	10/05/1977	62	RG	DO	~~	~~			
167722	201	46N	02E	29	6B	WAYNE BRAKE	OLSON	04/27/1984	63	RG	DO	~~	~~			
167761	201	46N	02E	29	6B	BUSTER SMITH	BEAMAN	11/04/1976	65	RG	DO	~~	~~			
167762	201	46N	02E	29	6B	DAN JARVIS	BEAMAN	11/00/1976	62	RG	DO	~~	~~			
167750	201	46N	02E	29	6B	DAN JARVIS	BEAMAN	01/24/1978	62	RG	DO	~~	~~			
167751	201	46N	02E	29	6C	DAN JARVIS	BEAMAN	03/03/1977	63	RG	DO	~~	~~			
167752	201	46N	02E	29	6C	DAN JARVIS	BEAMAN	03/03/1977	63	RG	DO	~~	~~			
167753	201	46N	02E	29	6C	DAN JARVIS	BEAMAN	02/18/1977	63	RG	DO	~~	~~			
167754	201	46N	02E	29	6C	DAN JARVIS	BEAMAN	02/18/1977	63	RG	DO	~~	~~			
167755	201	46N	02E	29	6C	DAN JARVIS	BEAMAN	02/18/1977	63	RG	DO	~~	~~			
167756	201	46N	02E	29	6C	DAN JARVIS	BEAMAN	10/20/1976	62	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167757	201	46N	02E	29	6C	DAN JARVIS	BEAMAN	10/13/1976	60	RG	DO	~~	~~			
167737	201	46N	02E	29	6C	DAN JARVIS	BEAMAN	06/08/1977	62	RG	DO	~~	~~			
167738	201	46N	02E	29	6C	CEDRIC EICKHORST	BEAMAN	11/16/1977	62	RG	DO	~~	~~			
167763	201	46N	02E	29	6C	DAN JARVIS	BEAMAN	02/18/1977	63	RG	DO	~~	~~			
167764	201	46N	02E	29	6C	DAN JARVIS	BEAMAN	10/13/1976	62	RG	DO	~~	~~			
167765	201	46N	02E	29	6C	DAN JARVIS	BEAMAN	06/07/1977	62	RG	DO	~~	~~			
167766	201	46N	02E	29	6C	DAN JARVIS	BEAMAN	06/07/1977	62	RG	DO	~~	~~			
167767	201	46N	02E	29	6C	DAN JARVIS	BEAMAN	06/08/1977	62	RG	DO	~~	~~			
167768	201	46N	02E	29	6C	DAN JARVIS	BEAMAN	06/08/1977	62	RG	DO	~~	~~			
167769	201	46N	02E	29	6C	MYRON FISCHER	BEAMAN	06/28/1977	62	RG	DO	~~	~~			
167723	201	46N	02E	29	6C	GARY SUMNER	MCKINNEY	10/05/1979	68	RG	DO	~~	~~			
167724	201	46N	02E	29	6C	DAN JARVIS	BEAMAN	10/05/1977	62	RG	DO	~~	~~			
167725	201	46N	02E	29	6C	DAN JARVIS	BEAMAN	10/05/1977	62	RG	DO	~~	~~			
167821	201	46N	02E	29	6C	DAN JARVIS	BEAMAN	08/22/1977	62	RG	DO	~~	~~			
167822	201	46N	02E	29	6C	DAN JARVIS	BEAMAN	10/05/1977	62	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167644	201	46N	02E	29	6C	WAYNE SONNESON	GREENFIELD	03/01/1984	67	RG	DO	~~	~~			
169479	201	46N	02E	29	6C	DAN JARVIS	BEAMAN	03/03/1977	63	RG	DO	~~	~~			
169480	201	46N	02E	29	6C	DAN JARVIS	BEAMAN	10/18/1977	62	RG	DO	~~	~~			
169481	201	46N	02E	29	6C	DAN JARVIS	BEAMAN	10/18/1977	62	RG	DO	~~	~~			
169482	201	46N	02E	29	6C	DAN JARVIS	BEAMAN	10/18/1977	62	RG	DO	~~	~~			
194436	201	46N	02E	29	6C	PETRY CONST LOT 52	GREENFIELD	05/02/1989	60	RG	DO	--	UN	30		
167715	201	46N	02E	29	6E	WAYNE SONNESON	GREENFIELD	08/18/1980	70	RG	DO	~~	~~			
167739	201	46N	02E	29	6E	GLEN STOCKWELL	BEAMAN	06/28/1978	64	RG	DO	~~	~~			
167339	201	46N	02E	29	6F	L BUCHANAN		03/00/1934	75	RG	DO	~~	~~			
167340	201	46N	02E	29	6F	L BUCHANAN		03/00/1934	51	RG	DO	~~	~~			
167770	201	46N	02E	29	6F	RICHARD DWYER	BLOYER	02/08/1971	69	RG	DO	~~	~~			
167771	201	46N	02E	29	6F	JIM SARS	GREENFIELD	03/21/1978	67	RG	DO	~~	~~			
167772	201	46N	02E	29	6F	DAVE GUNDERSON	GREENFIELD	10/13/1978	71	RG	DO	~~	~~			
167726	201	46N	02E	29	6F	JOHN BETTS	GREENFIELD	05/03/1977	70	RG	DO	~~	~~			
292306	201	46N	02E	29	6G	TOM MASSY	BEAMAN	07/20/1996	85	RG	DO	DL	UN	39	44	15

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167773	201	46N	02E	29	6H	MCGILL CONST CO	HINKLE	00/00/1968	65	RG	DO	~~	~~			
167774	201	46N	02E	29	7A	NICK RALLO	GREENFIELD	06/07/1978	63	RG	DO	~~	~~			
167727	201	46N	02E	29	7A	WILLIAM REED	ROSENQUIST	07/28/1983	81	RG	DO	~~	~~			
167681	201	46N	02E	29	7A	THREE HAMMERS	BEAMAN	04/13/1983	68	RG	DO	~~	~~			
167645	201	46N	02E	29	7A	GERALD NORDMOE	BEAMAN	08/20/1986	65	RG	DO	~~	~~			
209776	201	46N	02E	29	7A	HARKIN HOUSE LOT 61	HINKLE	08/30/1989	81	RGX	DO	--	UN	45		
167775	201	46N	02E	29	7B	MIKE FENGER	GREENFIELD	11/01/1978	65	RG	DO	~~	~~			
167776	201	46N	02E	29	7C	DAVE TRESEMER	OLSON	04/23/1974	64	RG	DO	~~	~~			
167728	201	46N	02E	29	7D	HOMESTEAD BUILDERS	HINKLE	09/22/1982	65	RG	DO	~~	~~			
209789	201	46N	02E	29	7D	THREE HAMMERS LOT 51	BEAMAN	08/12/1989	71	RGX	DO	--	UN	30		
167777	201	46N	02E	29	7F	DAVE TRESEMER	OLSON	03/24/1977	63	RG	DO	~~	~~			
167740	201	46N	02E	29	7F	FRANCIS PAULEY	BULL	09/21/1978	70	RG	DO	~~	~~			
167729	201	46N	02E	29	7F	DAVE TRESEMER	OLSON	08/15/1979	63	RG	DO	~~	~~			
167730	201	46N	02E	29	7F	WAYNE BRAKE	OLSON	03/12/1985	63	RG	DO	~~	~~			
167731	201	46N	02E	29	7G	NED CARTER	GREENFIELD	05/02/1979	70	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167732	201	46N	02E	29	7G	JOHN OWEN	GREENFIELD	03/11/1977	65	RG	DO	~~	~~			
167741	201	46N	02E	29	7G	BENNETT CONST	BEAMAN	10/26/1978	65	RG	DO	~~	~~			
167742	201	46N	02E	29	7G	LARRY HAMMACK	BEAMAN	08/18/1977	72	RG	DO	~~	~~			
167341	201	46N	02E	29	7G	JOHN B UNTZ		03/00/1934	80	RG	DO	~~	~~			
167342	201	46N	02E	29	7G	E GLEASMAN		03/00/1934	45	RG	DO	~~	~~			
167778	201	46N	02E	29	7G	GEORGE FRANZEN	OLSON	03/20/1973	64	RG	DO	~~	~~			
167779	201	46N	02E	29	7G	GEORGE FRANZEN	OLSON	03/20/1973	64	RG	DO	~~	~~			
167780	201	46N	02E	29	7G	AMWOOD BLDRS	GREENFIELD	00/00/0000	65	RG	DO	~~	~~			
167783	201	46N	02E	29	7G	JOHN OWEN	GREENFIELD	05/26/1976	66	RG	DO	~~	~~			
167784	201	46N	02E	29	7G	JOHN OWEN	GREENFIELD	05/26/1976	66	RG	DO	~~	~~			
167785	201	46N	02E	29	7G	JOHN OWEN	GREENFIELD	00/00/0000	65	RG	DO	~~	~~			
167786	201	46N	02E	29	7G	BENNETT CONST	BEAMAN	09/23/1977	66	RG	DO	~~	~~			
167787	201	46N	02E	29	7G	BOB YOUNG	OLSON	11/07/1980	63	RG	DO	~~	~~			
167788	201	46N	02E	29	7G	BENNETT COONST	BEAMAN	09/23/1977	64	RG	DO	~~	~~			
167789	201	46N	02E	29	7G	THREE HAMMERS CONST	BEAMAN	11/16/1977	65	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167790	201	46N	02E	29	7G	THREE HAMMERS CONST	BEAMAN	11/16/1977	65	RG	DO	~~	~~			
167781	201	46N	02E	29	7G	CARL BREITLOW	GREENFIELD	00/00/0000	65	RG	DO	~~	~~			
167782	201	46N	02E	29	7G	DUANE PAUTSCH	GREENFIELD	12/04/1975	65	RG	DO	~~	~~			
167823	201	46N	02E	29	7G	DELBERT BENNETT	RANEY	08/02/1977	69	RG	DO	~~	~~			
167827	201	46N	02E	29	7G	BENNETT CONST	BEAMAN	06/15/1978	65	RG	DO	~~	~~			
167791	201	46N	02E	29	8A	JOOHN GESSNER BLDR	HINKLE	03/31/1978	69	RG	DO	~~	~~			
167792	201	46N	02E	29	8A	ROSCOE REALTOR	HINKLE	04/16/1986	73	RG	DO	~~	~~			
167733	201	46N	02E	29	8A	RICHARD NOVONETY	HINKLE	05/27/1983	82	RG	DO	~~	~~			
247443 LOT 169 OLD FARM	201	46N	02E	29	8A	DON SWANSON BLDRS.	GREENFIELD	10/08/1991	60	RG	DO	--	UN	34	40	
209684	201	46N	02E	29	8A	ROSCOE REALTOR LOT 166	HINKLE	04/20/1987	66	RGX	DO	--	UN	40		
228055	201	46N	02E	29	8A	ROSCOE REALTOR LOT #166	HINKLE	04/20/1987	66	RG	DO	--	UN	39	45	10
228056	201	46N	02E	29	8A	HARKIN HOUSE BUILDER LOT #170	HINKLE	11/11/1987	63	RG	DO	--	UN	39	50	10
167796	201	46N	02E	29	8B	DVAE TRESEMER	OLSON	09/09/1974	63	RG	DO	~~	~~			
167797	201	46N	02E	29	8B	ROBERT SCHLENSKER	OLSON	09/09/1974	63	RG	DO	~~	~~			
167793	201	46N	02E	29	8B	BOB YOUNG	OLSON	06/30/1978	63	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167819	201	46N	02E	29	8B	DON STENGER	BEAMAN	03/24/1977	60	RG	DO	~~	~~			
167798	201	46N	02E	29	8B	WAYNE BREAK	OLSON	06/10/1976	63	RG	DO	~~	~~			
167799	201	46N	02E	29	8B	ROBERT YOUNGOLSON		06/25/1976	63	RG	DO	~~	~~			
167800	201	46N	02E	29	8C	DAVE TRESEMER	OLSON	04/23/1974	64	RG	DO	~~	~~			
167801	201	46N	02E	29	8C	DAVE TRESEMER	OLSON	04/23/1974	64	RG	DO	~~	~~			
167802	201	46N	02E	29	8C	DAVE TRESEMER	OLSON	12/17/1975	63	RG	DO	~~	~~			
167803	201	46N	02E	29	8C	ALVIN BUTLER	OLSON	06/10/1976	63	RG	DO	~~	~~			
167804	201	46N	02E	29	8C	WAYNE BREAK	OLSON	06/10/1976	63	RG	DO	~~	~~			
167805	201	46N	02E	29	8C	DAVE TRESEMER	OLSON	05/20/1976	63	RG	DO	~~	~~			
167806	201	46N	02E	29	8C	DAVE TRESEMER	OLSON	07/16/1976	63	RG	DO	~~	~~			
167811	201	46N	02E	29	8C	THREE HAMMERS	BEAMAN	08/05/1986	57	RG	DO	~~	~~			
167743	201	46N	02E	29	8C	FRANCIS PAULEY	BULL	03/13/1978	71	RG	DO	~~	~~			
167646	201	46N	02E	29	8C	DAVE TRESEMER	OLSON	05/06/1976	63	RG	DO	~~	~~			
167647	201	46N	02E	29	8C	ART THOMPSON	OLSON	06/10/1976	63	RG	DO	~~	~~			
167648	201	46N	02E	29	8D	DAVE TRESEMER	OLSON	05/06/1976	64	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167809	201	46N	02E	29	8D	DAVE TRESEMER	OLSON	04/23/1974	64	RG	DO	~~	~~			
167810	201	46N	02E	29	8D	BOB COURTRIGHT	MCKINNEY	05/20/1977	65	RG	DO	~~	~~			
167807	201	46N	02E	29	8D	DAVE TRESEMER	OLSON	04/23/1974	64	RG	DO	~~	~~			
167808	201	46N	02E	29	8E	MRS RICHARD BELT		00/00/0000	68	C	DO	~~	~~			
167744	201	46N	02E	29	8E	BENNETT CONST	BEAMAN	04/11/1979	65	RG	DO	~~	~~			
167745	201	46N	02E	29	8E	BENNETT CONST	BEAMAN	04/11/1979	65	RG	DO	~~	~~			
242235 Tresemer Lot 103	201	46N	02E	29	8E	KOTHE CONST./KEN KOTHE	GREENFIELD	09/29/1992	67	RG	DO	--	UN	44	50	10
242236 Tresemer Lot 118	201	46N	02E	29	8E	KOTHE CONST./KEN KOTHE	GREENFIELD	09/29/1992	71	RG	DO	--	UN	44	50	10
167746	201	46N	02E	29	8G	DAVE TRESEMER	OLSON	12/22/1977	63	RG	DO	~~	~~			
167734	201	46N	02E	29	8G	BILL THURMOND	RANEY	10/18/1979	66	RG	DO	~~	~~			
167735	201	46N	02E	29	8G	DAVE TRESEMER	OLSON	11/14/1977	63	RG	DO	~~	~~			
167794	201	46N	02E	29	8G	ART THOMPSON	OLSON	09/24/1976	63	RG	DO	~~	~~			
167795	201	46N	02E	29	8G	DAVE TRESEMER	OLSON	11/15/1976	63	RG	DO	~~	~~			
167812	201	46N	02E	29	8G	DOYLE PERRIS	GREENFIELD	12/04/1975	65	RG	DO	~~	~~			
167813	201	46N	02E	29	8G	ROBT PARSEK	GREENFIELD	12/09/1975	65	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167814	201	46N	02E	29	8G	DAN LARSON JR	GREENFIELD	08/25/1976	65	RG	DO	~~	~~			
167815	201	46N	02E	29	8G	WAYNE SONNESON	GREENFIELD	08/25/1976	65	RG	DO	~~	~~			
167816	201	46N	02E	29	8G	DICK WELLS	GREENFIELD	00/00/0000	65	RG	DO	~~	~~			
167817	201	46N	02E	29	8G	TIM MCDONNELL	BULL	07/18/1985	66	RG	DO	~~	~~			
167824	201	46N	02E	29	8G	DAVE TRESEMER	OLSON	12/08/1977	63	RG	DO	~~	~~			
167825	201	46N	02E	29	8G	JOHN OWEN	GREENFIELD	09/14/1977	65	RG	DO	~~	~~			
167826	201	46N	02E	29	8G	DAVE TRESEMER	OLSON	12/22/1977	63	RG	DO	~~	~~			
167820	201	46N	02E	29	8H	BUTCH COURTRIGHT	MCKINNEY	08/24/1977	69	RG	DO	~~	~~			
167828	201	46N	02E	29	8H	TERRY ARNDT	OLSON	08/00/1987	60	RG	DO	~~	~~			
167818	201	46N	02E	29	8H	JOHN OWEN	GREENFIELD	08/05/1976	65	RG	DO	~~	~~			
167736	201	46N	02E	29	8H	MACKTOWN STATE BANK	GREENFIELD	05/08/1979	57	RG	IC	~~	~~			
167854	201	46N	02E	30		VARLAND AGENCY	HINKLE	10/03/1973	70	RG	DO	~~	~~			
167855	201	46N	02E	30		KEN LOWERY	HINKLE	00/00/1975	65	RG	DO	~~	~~			
167856	201	46N	02E	30		PAR REALTORS	BULL	07/22/1975	63	RG	DO	~~	~~			
167857	201	46N	02E	30		PAR REALTORS	BULL	07/22/1975	711	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167858	201	46N	02E	30		RALPH LONSEN	HINKLE	03/25/1977	70	RG	DO	~~	~~			
209755	201	46N	02E	30		WINNEBAGO CO	MARTIN AND SONS WELL	11/16/1989	63	RG	DO	--	UN	20		
253097 TRACT B	201	46N	02E	30		THREE HAMMERS	BEAMAN	12/23/1990	65	RG	DO	DL	UN	20	26	10
228053	201	46N	02E	30		WINNEBAGO CO	MARTIN & SONS WELL	11/16/1989	63	RG	CO	--	UN	19	25	
167859	201	46N	02E	30	1H	AL BENNETT	BEAMAN	08/06/1975	72	RG	DO	~~	~~			
167860	201	46N	02E	30	1H	AL BENNETT	BEAMAN	11/13/1975	67	RG	DO	~~	~~			
343107 LOT 46	201	46N	02E	30	2F	BRUCE SWARTZ #1	BLOYSER WELL & PUMP/ALLEN SMITH	04/03/2002	80	RG	DO	DL	UN	39	57	25
167829	201	46N	02E	30	3E	HONONEGAH PARK	VOY	00/00/1927	62	RG	PK	~~	~~			
338696	201	46N	02E	30	4A	JIM PETRY	BULL DRILLING	11/06/2000	60	RG	DO	DL	UN	15	18	10
228204	201	46N	02E	30	4C	DUCAN ERICKSON LOT 78	BULL	09/19/1989	68	RG	DO	--	BR	44	45	
167832	201	46N	02E	30	4C	HONONEGAH PARK	VOY	00/00/1927	41	RG	PK	~~	~~			
198279	201	46N	02E	30	4C	DUCAN ERICKSON	BULL	09/19/1989	68	RG	DO	--	UN	45		
167868	201	46N	02E	30	4E	WAYNE BRAKE	OLSON	09/08/1978	60	RG	DO	~~	~~			
167830	201	46N	02E	30	4E	HONONEGAH PARK	VOY	00/00/1927	47	RG	PK	~~	~~			
167861	201	46N	02E	30	4E	PLACE & HODGE REALTORS	HINKLE	10/21/1977	71	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
306761	201	46N	02E	30	4F	GAMBINO INC.	J&J HINKLE/JACK	08/18/1998	220	RG	DO	DL	BR	89	99	10
LOT 31 EMERALD RIDGE SUBD.																
343104	201	46N	02E	30	5C	LOWELL FREEDLUND #1	BLOYER WELL & PUMP/ALLEN SMITH	04/01/2002	165	RG	DO	DL	BR	49	64	25
167862	201	46N	02E	30	5E	THREE HAMMERS CONST	BEAMAN	10/24/1979	67	RG	DO	~~	~~			
351922	201	46N	02E	30	6A	LOWELL FREEDLUND	ROBERT GREENFIELD	Sealed: 9/26/02	170	A		DL				
167863	201	46N	02E	30	6F	WINNEBAGO CO FOREST PRESERVE	OLSON	06/16/1983	85	RG	PK	~~	~~			
251781	201	46N	02E	30	7B	KEN HAUSVICK	BEAMAN	12/01/1993	73	RG	DO	DL	UN	29	35	15
LOT 28 MEADOWS OF RIDGEFIELD																
167864	201	46N	02E	30	7D	LOWELL FREEDLUND	OLSON	02/09/1978	320	RG	IR	~~	~~			
167865	201	46N	02E	30	8A	KENNETH BYERS	HINKLE	09/12/1986	160	RG	DO	~~	~~			
167866	201	46N	02E	30	8A	DON ELSTON	HINKLE	09/12/1987	160	RG	DO	~~	~~			
209685	201	46N	02E	30	8A	ART HINKEL	BULL	11/07/1987	165	RG	DO	--	BR	100		
228054	201	46N	02E	30	8A	ART HINKEL	BULL	11/07/1987	165	RG	DO	--	BR	109	110	12
167831	201	46N	02E	30	8C	W R WEBBER		02/13/1934	130	RG	DO	~~	~~			
167867	201	46N	02E	30	8H	ROCKFORD BLACKTOP CONST	LIVINGSTON	09/23/1970	40	RG	IC	--	--			
167875	201	46N	02E	32		ROY ATWOOD	BLOYER	00/00/1965	53	RG	DO	~~	~~			
167876	201	46N	02E	32		ROBERT CLINE	LIVINGSTON	07/03/1973	46	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167877	201	46N	02E	32		JAMES D SCHUMACHER	HINKLE	12/02/1975	71	RG	DO	~~	~~			
167878	201	46N	02E	32		GREGG CONST	LIVINGSTON	06/21/1978	80	RG	DO	~~	~~			
169055	201	46N	02E	32		ARNT REALTOR	HINKLE	09/05/1975	65	RG	DO	~~	~~			
169059	201	46N	02E	32		ARNDT REALTOR	HINKLE	03/01/1976	65	RG	DO	~~	~~			
169061	201	46N	02E	32		ARNDT REALTOR	HINKLE	12/02/1976	65	RG	DO	~~	~~			
169065	201	46N	02E	32		TERRY ARNDT	OLSON	03/24/1977	63	RG	DO	~~	~~			
169068	201	46N	02E	32		ARNDT REALTOR	HINKLE	12/02/1975	65	RG	DO	~~	~~			
169070	201	46N	02E	32		ARNDT REALTOR	HINKLE	05/10/1976	65	RG	DO	~~	~~			
169071	201	46N	02E	32		ARNDT REALTOR	HINKLE	01/23/1976	65	RG	DO	~~	~~			
169168	201	46N	02E	32		LANNERINI CONST	LIVINGSTON	05/13/1980	65	RG	DO	~~	~~			
169174	201	46N	02E	32		ARNDT REALTOR	HINKLE	09/21/1981	63	RG	DO	~~	~~			
169138	201	46N	02E	32	1A	TERRY ARNDT/ROGER GREEN	OLSON	04/12/1979	63	RGA	DO	~~	~~			
169144	201	46N	02E	32	1A	TERRY ARNDT	OLSON	04/12/1979	63	RG	DO	~~	~~			
167879	201	46N	02E	32	1G	C K KUYKENDAHL	GREENFIELD	06/16/1977	70	RG	DO	~~	~~			
167880	201	46N	02E	32	1G	JAMES SCHUMACHER	ROSENQUIST	03/06/1984	285	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167881	201	46N	02E	32	1H	DELBERT HOBBS	HINKLE	04/23/1969	66	RG	DO	~~	~~			
167882	201	46N	02E	32	1H	COMMERCIAL MORTGAGE CO	HINKLE	03/01/1982	65	RG	DO	~~	~~			
169150	201	46N	02E	32	1H	TERRY ARNDT	OLSON	08/11/1978	61	RG	DO	~~	~~			
169170	201	46N	02E	32	1H	ARNDT REALTY	HINKLE	03/30/1981	65	RG	DO	~~	~~			
169173	201	46N	02E	32	1H	ARNDT REALTOR/1ST SAVINGS	HINKLE	08/11/1981	64	RGA	DO	~~	~~			
169178	201	46N	02E	32	1H	COMMERCIAL MORTGAGE/CMF CONST	HINKLE	05/25/1982	65	RGA	DO	~~	~~			
169181	201	46N	02E	32	1H	WAYNE SONNESON/ROBERT BRAMEL	GREENFIELD	04/24/1982	65	RGA	DO	~~	~~			
169157	201	46N	02E	32	2A	TERRY ARNDT	OLSON	04/12/1979	63	RG	DO	~~	~~			
169151	201	46N	02E	32	2A	TERRY ARNDT	OLSON	04/12/1979	63	RG	DO	~~	~~			
169152	201	46N	02E	32	2A	TERRY ARNDT	OLSON	04/12/1979	63	RG	DO	~~	~~			
169153	201	46N	02E	32	2A	TERRY ARNDT	OLSON	04/12/1979	53	RG	DO	~~	~~			
169147	201	46N	02E	32	2A	TERRY ARNDT	OLSON	04/12/1979	63	RG	DO	~~	~~			
169155	201	46N	02E	32	2A	TERRY ARNDT	OLSON	04/12/1979	51	RG	DO	~~	~~			
169161	201	46N	02E	32	2A	TERRY ARNDT	OLSON	04/12/1979	63	RG	DO	~~	~~			
167883	201	46N	02E	32	2G	C H KUYKENDALL	GREENFIELD	06/16/1977	70	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167884	201	46N	02E	32	2G	THREE HAMMERS	BEAMAN	01/24/1986	67	RG	DO	~~	~~			
229607 clyde showers	201	46N	02E	32	2G	THREE HAMMERS LOT #2	BEAMAN	11/24/1991	62	RG	DO	--	UN	19	25	12
167890	201	46N	02E	32	2G	RON CRADIC	HINKLE	11/12/1980	62	RG	DO	~~	~~			
167885	201	46N	02E	32	3G	GREG LEMAINE	RANEY	05/08/1979	60	RG	DO	~~	~~			
169195	201	46N	02E	32	3G	WAYNE SONNESON	GREENFIELD	11/09/1984	65	RG	DO	~~	~~			
344630	201	46N	02E	32	4D	JOHN QUINN	C. MARTIN & SONS DRILLING	06/12/2002	70	RG	DO	DL	UN	5	11	30
169159	201	46N	02E	32	4D	TERRY ARNDT	OLSON	11/15/1978	63	RG	DO	~~	~~			
169160	201	46N	02E	32	4D	TERRY ARNDT	OLSON	11/15/1978	53	RG	DO	~~	~~			
169162	201	46N	02E	32	4D	TERRY ARNDT	OLSON	11/15/1979	63	RG	DO	~~	~~			
169163	201	46N	02E	32	4D	TERRY ARNDT	OLSON	11/15/1978	82	RG	DO	~~	~~			
169164	201	46N	02E	32	4D	TERRY ARNDT	OLSON	11/15/1979	55	RG	DO	~~	~~			
169165	201	46N	02E	32	4D	TERRY ARNDT	OLSON	11/15/1978	64	RG	DO	~~	~~			
169156	201	46N	02E	32	4D	TERRY ARNDT	OLSON	11/15/1978	51	RG	DO	~~	~~			
169148	201	46N	02E	32	4D	TERRY ARNDT	OLSON	11/15/1978	63	RG	DO	~~	~~			
169149	201	46N	02E	32	4D	TERRY ARNDT	OLSON	12/13/1978	63	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
169154	201	46N	02E	32	4D	TERRY ARNDT	OLSON	11/15/1978	63	RG	DO	~~	~~			
169145	201	46N	02E	32	4D	TERRY ARNDT	OLSON	11/15/1978	53	RG	DO	~~	~~			
169146	201	46N	02E	32	4D	TERRY ARNDT	OLSON	11/15/1979	63	RG	DO	~~	~~			
169139	201	46N	02E	32	4D	TERRY ARNDT/GREGORY CASE	OLSON	08/11/1978	63	RGA	DO	~~	~~			
169143	201	46N	02E	32	4D	TERRY ARNDT	OLSON	11/15/1979	63	RG	DO	~~	~~			
169051	201	46N	02E	32	4D	TERRY ARNDT	OLSON	11/15/1978	63	RG	DO	~~	~~			
169200	201	46N	02E	32	4D	TERRY ARNDT	OLSON	11/15/1978	63	RG	DO	~~	~~			
228024	201	46N	02E	32	4D	TERRY ARNDT LOT #90	OLSON	02/26/1979	64	RG	DO	--	UN	29	40	15
169127	201	46N	02E	32	4D	TERRY ARNDT/WILLIAM NEALAND	OLSON	08/11/1978	63	RGA	DO	~~	~~			
169129	201	46N	02E	32	4D	TERRY ARNDT/SEBASTIAN GULOTTA	OLSON	08/11/1978	63	RGA	DO	~~	~~			
169132	201	46N	02E	32	4D	TERRY ARNDT/KENNETH PENNEY	OLSON	11/15/1979	64	RGA	DO	~~	~~			
167886	201	46N	02E	32	4E	LEROY SODERBERG	HINKLE	10/21/1982	92	RG	DO	~~	~~			
169175	201	46N	02E	32	4G	COMMERCIAL MORTGAGE/J RUSSELL	HINKLE	10/21/1985	66	RGA	DO	~~	~~			
169176	201	46N	02E	32	4G	COMMERCIAL MORTGAGE & FINANCE	HINKLE	08/19/1983	63	RG	DO	~~	~~			
169177	201	46N	02E	32	4G	COMMERCIAL MORTGAGE & FINANCE	HINKLE	08/19/1983	63	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167887	201	46N	02E	32	6A	WAYNE BRAKE	OLSON	06/07/1984	60	RG	DO	~~	~~			
167835	201	46N	02E	32	6B	GEORGE ATWOOD		03/00/1934	30	RG	DO	~~	~~			
167891	201	46N	02E	32	6C	BEN VRONCH	GREENFIELD	00/00/0000	50	RG	DO	~~	~~			
167888	201	46N	02E	32	6C	GEO FRANZEN	OLSON	12/09/1969	60	RG	DO	~~	~~			
167889	201	46N	02E	32	6C	WARREN HOLMBERG	OLSON	02/21/1970	60	RG C	DO	~~	~~			
344633	201	46N	02E	32	6C	ROBERT HOLLENBECK #60	JRB WELL DRILLING/JESSIE	07/17/2002	56	RG	DO	DL	UN	12	13	10
167892	201	46N	02E	32	6E	WAYNE BRAKE	OLSON	06/07/1984	62	RG	DO	~~	~~			
167893	201	46N	02E	32	6E	WAYNE BRAKE	OLSON	06/07/1984	62	RG	DO	~~	~~			
167894	201	46N	02E	32	6E	WAYNE BRAKE	OLSON	12/20/1984	63	RG	DO	~~	~~			
244746	201	46N	02E	32	6F	HARKIN HOUSE	HINKLE	09/18/1990	200	RG	DO	--	BR	79	90	10
Lot 2																
300975	201	46N	02E	32	8H	STEVE NEBLOCK	BULL DRLG./MARTIN	10/27/1997	63	RG	DO	DL	UN	19	22	10
LOT 60 OLDE FARM SUBD.																
167903	201	46N	02E	33		GOLDEN HOMES BLDRS	LIVINGSTON	05/18/1977	142	RG	DO	~~	~~			
167904	201	46N	02E	33		BRIAN PAULEY	BULL	08/09/1977	56	RG	DO	~~	~~			
167905	201	46N	02E	33		DUCAN ERICKSON	BULL	03/22/1977	56	RG	DO	~~	~~			
167906	201	46N	02E	33		WAYNE BRAKE	OLSON	07/05/1978	42	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DRILL DATE	DEPTH	RECORD TYPE	USE	WELL TYPE	AQ TYPE	STAT LVL	PUMP LVL	PUMP GPM
167907	201	46N	02E	33		CLAYTON ANDREWS	LIVINGSTON	09/22/1978	70	RG	DO	~~	~~			
167908	201	46N	02E	33		WAYNE BRAKE	OLSON	10/26/1984	42	RG	DO	~~	~~			
167909	201	46N	02E	33		DAVE DAUGHERTY	LIVINGSTON	05/23/1986	96	RG	DO	~~	~~			
167895	201	46N	02E	33		FRANK TERRY	BLOYER	00/00/1965	64	RG	DO	~~	~~			
167896	201	46N	02E	33		KEN FISCHER	HINKLE	10/17/1969	53	RG	DO	~~	~~			
167897	201	46N	02E	33		KEN ODELL	HINKLE	07/23/1971	118	RG	DO	~~	~~			
167898	201	46N	02E	33		RAY WALKER	HINKLE	04/08/1972	68	RG	DO	~~	~~			
167899	201	46N	02E	33		RAY CRAIG	BULL	07/06/1976	50	RG	DO	~~	~~			
167900	201	46N	02E	33		TOPPER REALTY	BULL	08/05/1976	57	RG	DO	~~	~~			
167901	201	46N	02E	33		TOPPER REALTY	BULL	08/05/1976	57	RG	DO	~~	~~			
167902	201	46N	02E	33		GOLDEN HOMES BLDR	LIVINGSTON	12/23/1976	75	RG	DO	~~	~~			
169049	201	46N	02E	33		TERRY ARNDT/JOSEPH KRUEL	OLSON	03/18/1977	63	RGA	DO	~~	~~			
169050	201	46N	02E	33		VINCENT A COMO	HINKLE	08/20/1976	65	RG	DO	~~	~~			
169052	201	46N	02E	33		ARNDT REALTOR	HINKLE	10/22/1975	65	RG	DO	~~	~~			
169053	201	46N	02E	33		ARNDT REALTOR	HINKLE	09/02/1976	64	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
222290	201	46N	02E	33		DIANE RUDEEN	GREENFIELD	08/12/1992	20	A	DO	DR	--			
222857	201	46N	02E	33		PAT MOSHER	GREENFIELD	05/22/1991	27	A	DO	BD	--			
222862	201	46N	02E	33		PAT MOSHER	GREENFIELD	05/22/1991	27	A	DO	BD	--			
252705	201	46N	02E	33		WAYNE BRAKE	MARTIN & SONS	02/19/1991	58	RG	DO	--	UN	19	30	
LOT 4 PARK RIDGE																
253098	201	46N	02E	33		VICTOR LIPINSKI	MARTIN & SONS	10/18/1989	65	RG	DO	DL	UN	29	33	
250395	201	46N	02E	33		ALEX WASSON	GREENFIELD	11/21/1991	62	RG	DO	DL	UN	29	40	
LOT 9 PARK RIDGE																
250398	201	46N	02E	33		KOTHE CONST.	GREENFIELD	09/10/1991	62	RG	DO	DL	UN	39	45	
LOT 6 KELMOR																
228205	201	46N	02E	33		DR W C BALDWIN		00/00/1903	37	OG	DO	--	UN			
228206	201	46N	02E	33		ROSCOE UNITED METHODIST CHURCH	SCHERBINSKI	07/02/1990	25	A	NC	DR	--			
228207	201	46N	02E	33		ROSCOE UNITED METHODIST CHURCH	SCHERBINSKI	07/02/1990	20	A	NC	DR	--			
263278	201	46N	02E	33	1A	SPENCER SPRINGER	GREENFIELD	10/31/1994	60	RG	DO	DL	UN	24	29	10
167910	201	46N	02E	33	1A	ALEX SMITH	GREENFIELD	00/00/0000	50	RG	DO	~~	~~			
167911	201	46N	02E	33	1A	MEL PANJKOVICH	BULL	04/19/1979	70	RG	DO	~~	~~			
167912	201	46N	02E	33	1B	JEFF PETRY	BULL	08/23/1977	122	RG	DO	~~	~~			
228208	201	46N	02E	33	1B	MARSHA WEBSTER	GREENFIELD	05/11/1988	50	RG	DO	--	UN	30	35	10

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
168007	201	46N	02E	33	1B	JEFF PETRY	BULL	08/23/1977	122	RG	DO	~~	~~			
168008	201	46N	02E	33	1B	JEFF PETRY	BULLL	08/23/1977	125	RG	DO	~~	~~			
242197	201	46N	02E	33	1C	KEN KOTHE/DARYL SEYMOUR	GREENFIELD	08/16/1990	67	RG	DO	--	UN	49	55	10
Marlboro Estes. Lot 10																
168009	201	46N	02E	33	1E	WAYNE SONNESON	GREENFIELD	07/20/1977	50	RG	DO	~~	~~			
167913	201	46N	02E	33	1E	ROY FRY	OLSON	06/29/1972	42	RG	DO	~~	~~			
167914	201	46N	02E	33	1E	DICK PANN	OLSON	11/27/1972	42	RG	DO	~~	~~			
167915	201	46N	02E	33	1E	DAVE TRESEMER	OLSON	03/20/1973	40	RG	DO	~~	~~			
167916	201	46N	02E	33	1E	DON FREY	LIVINGSTON	08/06/1974	57	RG	DO	~~	~~			
167917	201	46N	02E	33	1F	DAVE TRESSMOORE	OLSON	03/11/1970	47	RG	DO	~~	~~			
167918	201	46N	02E	33	1F	ROY FRY	OLSON	07/14/1970	47	RG	DO	~~	~~			
167919	201	46N	02E	33	1F	DAVE TRESEMER	OLSON	07/00/1970	43	RG	DO	~~	~~			
167920	201	46N	02E	33	1F	ROY FRY	OLSON	11/20/1974	42	RG	DO	~~	~~			
167921	201	46N	02E	33	1F	ROY FRY	OLSON	11/20/1974	42	RG	DO	~~	~~			
167922	201	46N	02E	33	1F	DAVE TRESSEMER	OLSON	08/06/1975	180	RG	DO	~~	~~			
167923	201	46N	02E	33	1F	WAYNE SONNESON	GREENFIELD	07/25/1985	50	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167924	201	46N	02E	33	1G	BOB SONNESON	GREENFIELD	10/19/1976	50	RG	DO	~~	~~			
167925	201	46N	02E	33	1G	DUCAN ERICKSON	BULL	03/22/1977	52	RG	DO	~~	~~			
167926	201	46N	02E	33	1G	DUCAN ERICKSON	BULL	03/22/1977	53	RG	DO	~~	~~			
167927	201	46N	02E	33	1G	DOUG DAWSON	GREENFIELD	01/11/1978	47	RG	DO	~~	~~			
167928	201	46N	02E	33	1G	WAYNE BRAKE	OLSON	05/10/1978	42	RG	DO	~~	~~			
168025	201	46N	02E	33	1G	WAYNE BRAKE	OLSON	03/23/1978	42	RG	DO	~~	~~			
228209	201	46N	02E	33	1G	HARKINS HOUSE BUILDER LOT #20	HINKLE	09/18/1987	101	RG	DO	--	UN	49	50	10
168010	201	46N	02E	33	1H	GLEN MCKINNEY	BULL	05/10/1977	170	RG	DO	~~	~~			
168026	201	46N	02E	33	1H	WAYNE BRAKE	OLSON	04/28/1981	42	RG	DO	~~	~~			
168028	201	46N	02E	33	1H	WAYNE BRAKE	OLSON	05/10/1978	42	RG	DO	~~	~~			
167836	201	46N	02E	33	1H	FRED MILLER		03/00/1934	32	RG	DO	~~	~~			
167929	201	46N	02E	33	1H	WAYNE BRAKE	OLSON	07/24/1979	43	RG	DO	~~	~~			
167930	201	46N	02E	33	1H	WAYNE BRAKE	OLSON	11/07/1980	43	RG	DO	~~	~~			
167931	201	46N	02E	33	1H	WAYNE BRAKE	OLSON	11/07/1980	43	RG	DO	~~	~~			
167932	201	46N	02E	33	1H	WAYNE BRAKE	OLSON	03/30/1982	41	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167933	201	46N	02E	33	1H	KEN MURRAY	HINKLE	02/22/1978	50	RG	DO	~~	~~			
167934	201	46N	02E	33	1H	WAYNE BRAKE	OLSON	07/13/1983	42	RG	DO	~~	~~			
167935	201	46N	02E	33	1H	WAYNE BRAKE	OLSON	06/21/1979	42	RG	DO	~~	~~			
167936	201	46N	02E	33	1H	WAYNE BRAKE	OLSON	11/21/1978	42	RG	DO	~~	~~			
167937	201	46N	02E	33	2A	BRAD BRAVER	MCKINNEY	02/11/1974	85	RG	DO	~~	~~			
167938	201	46N	02E	33	2A	JEFF PETRY	BULL	08/23/1977	189	RG	DO	~~	~~			
167939	201	46N	02E	33	2B	ART MILES	BLOYER	07/14/1971	46	RG	DO	~~	~~			
168011	201	46N	02E	33	2B	JEFF PETRY	BULLL	08/23/1977	115	RG	DO	~~	~~			
167940	201	46N	02E	33	2D	ROBERT VARRIS	OLSON	08/18/1972	44	RG	DO	~~	~~			
167941	201	46N	02E	33	2D	RUSSELL MOSHER	GREENFIELD	08/06/1976	62	RG	DO	~~	~~			
167942	201	46N	02E	33	2D	BUD KUTZKE	GREENFIELD	08/05/1980	101	RG	IC	~~	~~			
167943	201	46N	02E	33	2D	BUD KUTZKE	GREENFIELD	10/09/1979	65	RG	IC	~~	~~			
327100 LOT 1	201	46N	02E	33	2D	RANDY & ELIZABETH SEAY #1	BLOYER WELL & PUMP	08/23/2000	63	RG	DO	DL	UN	14	22	10
167944	201	46N	02E	33	2E	WAYNE SONNESON	GREENFIELD	08/25/1978	44	RG	DO	~~	~~			
167945	201	46N	02E	33	2E	WAYNE SONNESON	GREENFIELD	08/25/1978	46	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167946	201	46N	02E	33	2E	WAYNE SONNESON	GREENFIELD	08/25/1978	45	RG	DO	~~	~~			
167947	201	46N	02E	33	2F	ROY FRY	OLSON	10/10/1969	48	RG	DO	~~	~~			
167948	201	46N	02E	33	2F	ROY FRY	OLSON	10/08/1970	48	RG	DO	~~	~~			
167949	201	46N	02E	33	2F	LOIS JARLEY	GREENFIELD	08/09/1985	60	RG	DO	~~	~~			
168000	201	46N	02E	33	2F	ROY FRY	OLSON	10/10/1969	49	RG	DO	~~	~~			
168029	201	46N	02E	33	2G	WAYNE BRAKE	OLSON	02/28/1978	42	RG	DO	~~	~~			
167953	201	46N	02E	33	2G	WILLIAM SCHOONOVER	GREENFIELD	00/00/0000	50	RG	DO	~~	~~			
167954	201	46N	02E	33	2G	WAYNE SONNESON	GREENFIELD	08/25/1976	50	RG	DO	~~	~~			
167955	201	46N	02E	33	2G	HARVEY HANEBRITH	BULL	12/06/1977	55	RG	DO	~~	~~			
167956	201	46N	02E	33	2G	CLARENCE HOFFMAN	BULL	01/13/1978	54	RG	DO	~~	~~			
167957	201	46N	02E	33	2G	HARVEY HAHABUTH	BULL	06/16/1978	55	RG	DO	~~	~~			
167958	201	46N	02E	33	2G	DANNY HAYNES	BEAMAN	03/09/1983	53	RG	DO	~~	~~			
167950	201	46N	02E	33	2G	FRANCIS PAULEY	BULL	04/11/1978	56	RG	DO	~~	~~			
167951	201	46N	02E	33	2G	DUCAN ERICKSON	BULL	08/23/1977	51	RG	DO	~~	~~			
167952	201	46N	02E	33	2G	DUCAN ERICKSON	BULL	08/23/1977	55	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
168012	201	46N	02E	33	2G	TOPPER REALTY	BULL	10/14/1977	50	RG	DO	~~	~~			
168013	201	46N	02E	33	2G	CLARENCE HOFFMAN	BULL	11/21/1977	49	RG	DO	~~	~~			
168014	201	46N	02E	33	2G	HARVEY W HANEBUTH	BULL	09/19/1977	55	RG	DO	~~	~~			
168015	201	46N	02E	33	2G	BRIAN PAULEY	BULL	09/19/1977	58	RG	DO	~~	~~			
231533	201	46N	02E	33	2G	CHUCK ABERNATHY #9118	MARTIN & SONS	08/22/1991	47	RG	DO	--	UN	18	35	
241789	201	46N	02E	33	2G	KEN KOTHE	GREEENFIELD	06/02/1992	55	RG	DO	--	UN	34	40	10
Donald Fry Subd. Lot 21																
242287	201	46N	02E	33	2G	CHUCK ABERNATHY	MARTIN & SONS	08/22/1991	47	RG	DO	--	UN	18	35	
Fry Subd. Lot 47																
263282	201	46N	02E	33	2G	THREE HAMMERS	BEAMAN	09/25/1994	55	RG	DO	DL	UN	24	39	12
206344	201	46N	02E	33	2H	PAUL REA	GREENFIELD	07/31/1989	60	RG	DO	--	UN	20		
167959	201	46N	02E	33	2H	HARVEY HANEBUTH	BULL	11/06/1978	57	RG	DO	~~	~~			
167960	201	46N	02E	33	2H	CHARLES STOCKWELL	GREENFIELD	00/00/0000	51	RG	DO	~~	~~			
167961	201	46N	02E	33	2H	DUCAN ERICKSON	BULL	03/22/1977	49	RG	DO	~~	~~			
167962	201	46N	02E	33	3A	ALEX SMITH	GREENFIELD	00/00/0000	47	RG	DO	~~	~~			
297947	201	46N	02E	33	3B	WAYNE BRAKE	C.MARTIN & SONS/C.M.	10/02/1996	61	RG	DO	DL	UN	34	54	10
254719	201	46N	02E	33	3B	JOHN MOORE	GREENFIELD	12/03/1993	60	RG	DO	DL	UN	34	40	10

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167963	201	46N	02E	33	3C	GLENN GABLE	GREENFIELD	12/07/1976	58	RG	DO	~~	~~			
167964	201	46N	02E	33	3C	JOHN MILHARE	GREENFIELD	10/20/1982	50	RG	DO	~~	~~			
167965	201	46N	02E	33	3C	GLADYS WILCOX	GREENFIELD	05/24/1974	47	RG	DO	~~	~~			
312865	201	46N	02E	33	3C	STEVE MCLAUGHLIN #1	BLOYER WELL	07/31/1999	50	RG	DO	DL	UN	19	28	10
167966	201	46N	02E	33	3D	JOYCE COX	GREENFIELD	01/11/1978	48	RG	DO	~~	~~			
167967	201	46N	02E	33	3E	WAYNE SONNESON	GREENFIELD	11/01/1978	45	RG	DO	~~	~~			
167968	201	46N	02E	33	3E	WAYNE SONNESON	GREENFIELD	12/06/1978	45	RG	DO	~~	~~			
242402 Lots 7 & 8	201	46N	02E	33	3E	GLEN CARNIE	BEAMAN	11/11/1991	66	RG	CS	--	UN	35	42	10
167969	201	46N	02E	33	3F	WAYNE SONNESON	GREENFIELD	00/00/0000	50	RG	DO	~~	~~			
167970	201	46N	02E	33	3F	DON RAY BLDR	HINKLE	04/10/1978	50	RG	DO	~~	~~			
167971	201	46N	02E	33	3F	NICK ROLLO	GREENFIELD	03/21/1978	49	RG	DO	~~	~~			
167972	201	46N	02E	33	3H	LEE'S PHARMACY	GREENFIELD	04/16/1982	60	RG	IC	~~	~~			
167837	201	46N	02E	33	3H	GEORGE BRANICK		03/00/1934	40	RG	DO	~~	~~			
369232	201	46N	02E	33	3H	MIDWEST CONSTRUCTION	JESIE BEAMAN	00/00/0000 Sealed: 4/19/04	60	A	DO	DL				
263567	201	46N	02E	33	4A	VILLAGE OF ROSCOE		00/00/0000 Sealed: 6/10/93	35	A	CS	DL	--			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	RECORD TYPE	USE	WELL TYPE	AQ TYPE	STAT LVL	PUMP LVL	PUMP GPM
168030	201	46N	02E	33	4A	DELBERT BENNETT	RANEY	10/27/1977	90	RG	DO	~~	~~			
168031	201	46N	02E	33	4A	JOHN OWEN	GREENFIELD	10/28/1977	50	RG	DO	~~	~~			
167973	201	46N	02E	33	4A	VILLAGE OF ROSCOE	BULL	11/16/1984	40	RG	CS	~~	~~			
167974	201	46N	02E	33	4A	ROGER NELSON	GREENFIELD	02/27/1974	70	RG	DO	~~	~~			
167976	201	46N	02E	33	4A	JEFF PETRY	BULL	05/16/1980	73	RG	DO	~~	~~			
167977	201	46N	02E	33	4A	JEFF PETRY	BULL	05/16/1980	80	RG	DO	~~	~~			
167978	201	46N	02E	33	4B	DOROTHY PORTER	GREENFIELD	12/17/1976	67	RG	DO	~~	~~			
167979	201	46N	02E	33	4B	V COOK	MCKINNEY	09/05/1984	82	RG	DO	~~	~~			
167975	201	46N	02E	33	4B	RANDY KNOBEL	LIVINGSTON	05/10/1976	80	RG	DO	~~	~~			
167980	201	46N	02E	33	4C	REVIEW GRAPHICS	BULL	05/17/1983	64	RG	IC	~~	~~			
167981	201	46N	02E	33	4C	JOHN CHRISTIANSEN	RANEY	05/30/1979	63	RG	DO	~~	~~			
167982	201	46N	02E	33	4D	THREE HAMMERS	BEAMAN	03/19/1984	53	RG	DO	~~	~~			
267762	201	46N	02E	33	4D	HELEN REEMTSMA	ROSENQUIST	11/08/1994	63	RG	DO	DL	UN	19	29	15
244803	201	46N	02E	33	4D	EVERETT WIENZIER	GREENFIELD	08/11/1993	56	RG	DO	--	UN	29	35	10
168016	201	46N	02E	33	4E	MRS WILLIE MILLER	GREENFIELD	09/02/1977	50	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
261474	201	46N	02E	33	4E	CHRISTIE CHAMBERS	MARTIN	07/15/1994	48	RG	DO	DL	UN	24	30	10
167983	201	46N	02E	33	4E	WM DWYER	GREENFIELD	09/30/1974	50	RG	DO	~~	~~			
168032	201	46N	02E	33	4E	GENERAL TELEPHONE	BULL	11/18/1981	50	RG	IC	~~	~~			
167984	201	46N	02E	33	4G	THREE HAMMERS	BEAMAN	08/11/1981	64	RG	DO	~~	~~			
194421	201	46N	02E	33	4G	HARRY GIBSON	OLSON	06/01/1989	60	RG	DO	--	UN	23		
167985	201	46N	02E	33	4H	MIKE GREGG	LIVINGSTON	12/30/1974	148	RG	DO	~~	~~			
266300	201	46N	02E	33	4H	EMIL MOMMER	GREENFIELD	01/06/1995	57	RG	DO	DL	UN	19	24	10
167992	201	46N	02E	33	5A	DEAN HICKEY	BEAMAN	07/29/1976	69	RG	DO	~~	~~			
228210	201	46N	02E	33	5A	NEAL RIEKEN #8722	MARTIN	08/18/1987	51	RG	DO	--	UN	24	30	10
241639 Lot 1	201	46N	02E	33	5B	SONNESON BLDRS.	GREENFIELD	04/20/1992	60	RG	DO	--	UN	24	30	10
367333	201	46N	02E	33	5C	LEO RAMIREZ	BULL WELL DRILLING/BILL	10/16/2004	45	RG	DO	DL	UN			10
167993	201	46N	02E	33	5C	ROSCOE METHODIST	OLSON	06/08/1984	83	RG	DO	~~	~~			
167986	201	46N	02E	33	5C	DAVID TRESMER	OLSON	07/07/1972	40	RG	DO	~~	~~			
167987	201	46N	02E	33	5C	DEE ASS	BULL	05/13/1980	43	RG	IC	~~	~~			
167988	201	46N	02E	33	5D	VERN PETERS	GREENFIELD	09/30/1974	50	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167989	201	46N	02E	33	5D	ROBERT ALLEN	GREENFIELD	00/00/0000	50	RG	DO	~~	~~			
231532	201	46N	02E	33	5D	JENNIFER TRAGAS #9120	MARTIN & SONS WELL	09/04/1991	59	RG	DO	--	UN	19	45	
242286	201	46N	02E	33	5D	JENNIFER TRAGAS	MARTIN & SONS	09/04/1991	59	RG	DO	--	UN	19	45	
168017	201	46N	02E	33	5E	KEN HANSEN	GREENFIELD	11/05/1982	50	RG	DO	~~	~~			
354733	201	46N	02E	33	5E	ADOLPH RAATZ	JAMES ? C. MARTIN	__/__/____ Sealed: 6/24/03	12	A	DO	DR	~~			
279959	201	46N	02E	33	5E	JEFF CARLSON	MARTIN	12/19/1994	65	RG	DO	DL	UN	24	39	10
319184	201	46N	02E	33	5F	BRIEN SMITH	JESSIE BEAMAN	00/00/0000 Sealed: 12/16/99	55	A	~~	DL		0	0	0
228211	201	46N	02E	33	5F	MARK STEHLERY	GREENFIELD	11/10/1988	56	RG	DO	--	UN	29	36	10
227180	201	46N	02E	33	5G	RON SWENSON LOT 7	BEAMAN	08/03/1991	62	RG	DO	--	UN	29	30	10
227182	201	46N	02E	33	5G	THREE HAMMERS LOT 3	BEAMAN	08/04/1991	62	RG	IC	--	UN	24	33	10
217856	201	46N	02E	33	5G	DANNY HAYNES	BEAMAN	07/14/1990	61	RG	DO	--	UN	29	30	10
167838	201	46N	02E	33	5G	FOREST CITY NAT'L BANK		03/00/1934	38	RG	IC	~~	~~			
167839	201	46N	02E	33	5G	R D CAMPBELL		03/00/1934	39	RG	DO	~~	~~			
167990	201	46N	02E	33	5G	DOROTHY BRAUM	BEAMAN	12/31/1973	65	RG	DO	~~	~~			
167991	201	46N	02E	33	5G	CHRIST LUTHERAN CHURCH	GREENFIELD	00/00/0000	69	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
241727	201	46N	02E	33	6D	ELSIE DUGART	GREENFIELD	12/01/1992	60	RG	DO	--	UN	34	45	10
346198	201	46N	02E	33	6F	BRIAN SIMPSON #1	BLOYER WELL & PUMP/ALLEN SMITH	11/15/2002	63	RG	DO	DL	UN	29	35	10
344634	201	46N	02E	33	6F	BOB SEAY	C. MARTIN & SONS DRILLING	06/24/2002	73	RG	DO	DL	UN	19	34	25
218478	201	46N	02E	33	6F	JOHN DENBOW	GREENFIELD	01/24/1990	59	RG	DO	--	UN	29	35	10
242394	201	46N	02E	33	6G	KEN DRUCTZLER	GREENFIELD	06/29/1992	60	RG	DO	--	UN	34	40	10
168018	201	46N	02E	33	6G	OWEN REIMIER	GREENFIELD	09/07/1981	50	RG	DO	~~	~~			
168033	201	46N	02E	33	6G	THREE HAMMERS	BEAMAN	08/08/1986	66	RG	DO	~~	~~			
167994	201	46N	02E	33	6H	WILBUR MOIST	ROPER	03/00/1972	36	RG	DO	~~	~~			
167995	201	46N	02E	33	7A	DAVE TRESEMER	OLSON	09/09/1974	60	RG	DO	~~	~~			
168019	201	46N	02E	33	7A	WAYNE BRAKE	OLSON	12/00/1977	43	RG	DO	~~	~~			
168020	201	46N	02E	33	7A	EKWORTH O'DELL	GREENFIELD	10/01/1982	50	RG	DO	~~	~~			
167999	201	46N	02E	33	7A	KIM GRANT	GREENFIELD	09/12/1984	46	RG	DO	~~	~~			
241614	201	46N	02E	33	7A	GREG SILL	GREENFIELD	06/11/1992	60	RG	DO	--	UN	44	48	10
167996	201	46N	02E	33	7B	DAVID GIFFORD	GREENFIELD	12/07/1976	52	RG	DO	~~	~~			
167997	201	46N	02E	33	7B	DAVID KRAUSE	GREENFIELD	12/07/1976	52	RG	DO	~~	~~			

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
167998	201	46N	02E	33	7E	DWAINE GILLHEM	GREENFIELD	03/22/1979	50	RG	DO	~~	~~			
168021	201	46N	02E	33	7F	JOHN OWENS	GREENFIELD	03/22/1977	60	RG	DO	~~	~~			
168001	201	46N	02E	33	7F	WM BRANDT	GREENFIELD	05/22/1984	50	RG	DO	~~	~~			
168002	201	46N	02E	33	7G	THREE HAMMERS	BEAMAN	03/14/1980	65	RG	DO	~~	~~			
168003	201	46N	02E	33	7G	DANNY HAYNES	BEAMAN	05/26/1981	64	RG	DO	~~	~~			
337317	201	46N	02E	33	7G	MIDWEST CONSTRUCTION	JRB DRILLING	05/11/2001	70	RG	DO	DL	UN	29	34	15
ENTERED WITHOUT PERMIT																
228212	201	46N	02E	33	8A	M D CONST LOT #6	MCKINNEY	12/15/1988	65	RG	DO	--	UN	29	35	
228213	201	46N	02E	33	8A	SCOTT DRIER LOT 3	MCKINNEY	08/18/1988	65	RG	DO	--	UN	21	30	25
228214	201	46N	02E	33	8A	SCOTT DRIER LOT 2	MCKINNEY	07/18/1988	65	RG	DO	--	UN	21	30	25
346184	201	46N	02E	33	8A	LAVERNE SADEWATER	C.MARTIN & SONS WELL	09/09/2002	48	RG	DO	BD	UN	24	29	12
242262	201	46N	02E	33	8A	VILLAGE OF ROSCOE	MARTIN & SONS	08/05/1992	55	RG	CS	--	UN	17	40	10
Government well,Roscoe Village Maintanence Facility																
168004	201	46N	02E	33	8A	WAYNE BRAKE	OLSON	10/26/1973	41	RG	DO	~~	~~			
168005	201	46N	02E	33	8A	JERRY MCINTOSH	OLSON	06/18/1974	43	RG	DO	~~	~~			
168022	201	46N	02E	33	8A	VILLAGE OF ROSCOE	BULL	09/25/1986	63	RG	PK	~~	~~			
289232	201	46N	02E	33	8A	MAXINE WILCOX	GREENFIELD	01/22/1996	55	RG	DO	DL	UN	14	19	10
PERMIT HAS BETH POOLE AS OWNER																

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE	DEPTH	TYPE	USE	TYPE	TYPE	LVL	LVL	GPM
290448	201	46N	02E	33	8A	BETH POOLE	GREENFIELD	01/22/1996	55	RG	DO	DL	UN	14	19	10
168006	201	46N	02E	33	8B	DAVID TRESSEMERE	OLSON	05/10/1972	42	RG	DO	~~	~~			
168027	201	46N	02E	33	8B	KATHY FRANKEN	BULL	01/27/1981	48	RG	DO	~~	~~			
168023	201	46N	02E	33	8D	KOPCTO CONST	BULL	05/12/1983	56	RG	DO	~~	~~			
313036	201	46N	02E	33	8E	TOM HOWLETT	JRB DRILLING	08/30/1999	71	RG	DO	DL	UN	29	29	12
218354	201	46N	02E	33	8E	DAVE BATUTIS	GREENFIELD	06/06/1990	60	RG	DO	--	UN	31	34	10
218355	201	46N	02E	33	8E	H H LARSON	GREENFIELD	06/06/1990	60	RG	DO	--	UN	31	34	10
218356	201	46N	02E	33	8E	ALDEN SCOTT	GREENFIELD	05/24/1990	60	RG	DO	--	UN	29	32	10
228215	201	46N	02E	33	8E	JOHN HEDRICKSON	BEAMAN	12/13/1988	66	RG	DO	--	UN	30	33	
168024	201	46N	02E	33	8F	COMMERCIAL REALTY	GREENFIELD	03/18/1977	60	RG	DO	~~	~~			
168034	201	46N	02E	33	8F	OWEN REIMER	GREENFIELD	03/29/1985	50	RG	DO	~~	~~			
305847	201	46N	02E	33	8G	CHARLES JOHNSON	J R B DRLG/J. BEAAMA	06/02/1998	70	RG	DO	DL	UN	24	24	12

Illinois State Water Survey PICS Database

Monday, July 11, 2005

County: WINNEBAGO

Township: 46N

Range: 02E

Sections: 16,17,19,20,21,28,29,30,32,33

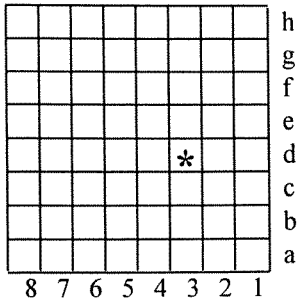
Records Found: 21

Questions: Contact the Illinois State Water Survey's Ground Water Division @ (217)-333-9043

Publication: Please cite the Illinois State Water Survey's PICS (Public-industrial-Commercial) Database in all publications based wholly or partially on this information.

Note: The data in the PICS Database is a listing of municipal and commercial wells which are known to the Illinois State Water Survey (ISWS). This information was initially entered from public water supply data and supplemented with the Illinois State Water Inventory Project data. This database is updated as additional information is received and verified.

This data cannot be resold or redistributed. The Illinois State Water Survey must be acknowledged in any use of this material.



Location of a 10-acre-plot within a section:

The origin can be found at the lower right-hand-corner of an 8 x 8 grid. In this example, the well is in the 10-acre plot '3d'.

SWSID	FIPS	TWN	RNG	SEC	PLOT	NAME	DB ID	#	DEPTH	STATUS	SEALED	TYPE	YEAR	DRILLER
20132015	201	46N	02E	16	6A	REGAL-BELOIT CORP	13688	1	84	A				
20132114	201	46N	02E	17		TOP DIE CASTING COMPANY	14380	2	180	U	--	-	--	--
20132114	201	46N	02E	17	1E	TOP DIE CASTING COMPANY	14208	1	88	U	--	D	1992	EDWIN D GREENFIELD
20132050	201	46N	02E	17	2D	NORTHWIND CONCRETE - S BELOIT PIPE PLANT	13696	4	65	I				
20132050	201	46N	02E	17	2E	NORTHWIND CONCRETE - S BELOIT PIPE PLANT	13695	3	65	I				
20132050	201	46N	02E	17	2F	NORTHWIND CONCRETE - S BELOIT PIPE PLANT	13694	2	65	I				
20132050	201	46N	02E	17	3H	NORTHWIND CONCRETE - S BELOIT PIPE PLANT	13693	1	65	I				
20195439	201	46N	02E	19	1H	GOLDIE B FLOBERG CENTER	5131	1	85	D	--	-	1965	--
20195439	201	46N	02E	19	1H	GOLDIE B FLOBERG CENTER	5132	2	75	D	--	D	1971	BLOYER WELL CO
20190350	201	46N	02E	19	7G	ROCKTON	5780	7	594	I	--	D	1992	LAYNE-WESTERN CO
20132020	201	46N	02E	21		ECOLAB INC	13691	3	125	S	<1995			
20132020	201	46N	02E	21	7H	ECOLAB INC	13689	1	125	S	<1994			
20132020	201	46N	02E	21	7H	ECOLAB INC	13690	2	150	S	<1994			

SWSID	FIPS	TWN	RNG	SEC	PLOT	NAME	DB ID	#	DEPTH	STATUS	SEALED	TYPE	YEAR	DRILLER
20133327	201	46N	02E	21	8D	STENSTROM SAND & GRAVEL GROUP	14638	1	72	I	--	D	1995	MUNICIPAL WELL&PUMP
20132140	201	46N	02E	28	7G	WARNER ELECTRIC	13706	2	97	U				
20132140	201	46N	02E	28	7G	WARNER ELECTRIC	13707	3	97	I				
20132140	201	46N	02E	28	7H	WARNER ELECTRIC	13705	1	97	U				
20195500	201	46N	02E	29	1B	NORTH PARK PWD	5135	6	780	E	--	D	1984	ALBRECHT WELL DRLG
20195500	201	46N	02E	29	1B	NORTH PARK PWD	5136	7	780	E	--	D	1984	ALBRECHT WELL DRLG
20131930	201	46N	02E	29	1H	ROSCOE ROCK AND SAND	14207	1	70	I	--	D	1992	EDWIN D GREENFIELD
20131933	201	46N	02E	33	5E	KINNIKINNICK SCHOOL	13681	2	75	S	1996	-	--	--

34891

BOARD OF TRUSTEES
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Dale James
VICE CHAIRMAN
James Hall
Karen Biever
B.Todd Gregory
Carol Lamb
Deborah Nelson
George Pokrant

GENERAL MANGER
Dennis R. Leslie
ATTORNEY
Robert A. Fredickson

NORTH PARK PUBLIC WATER DISTRICT

1350 Turret Drive • Machesney Park, Illinois 61115
(815) 633-5461 FAX (815) 633-5478

GROUND WATER GUARDIAN

Rec'd CRA
AUG 05 2005

August 2, 2005

Ms. Christy Gerges
Conestoga-Rovers & Associates
8615 West Bryn Mawr Ave.
Chicago, IL 60631

Dear Ms. Gerges,

Enclosed you will find the listings for public water users in the Evergreen Manor Subdivision, section 29 se/sw quarter and section 28 se/sw quarter of Roscoe, Illinois. If you have any questions regarding this information, please feel free to call me for an explanation.

Sincerely,

Catherine Calloway
NORTH PARK PUBLIC WATER

North Park Public Water District

N
W E
S

Legend

Water Mains

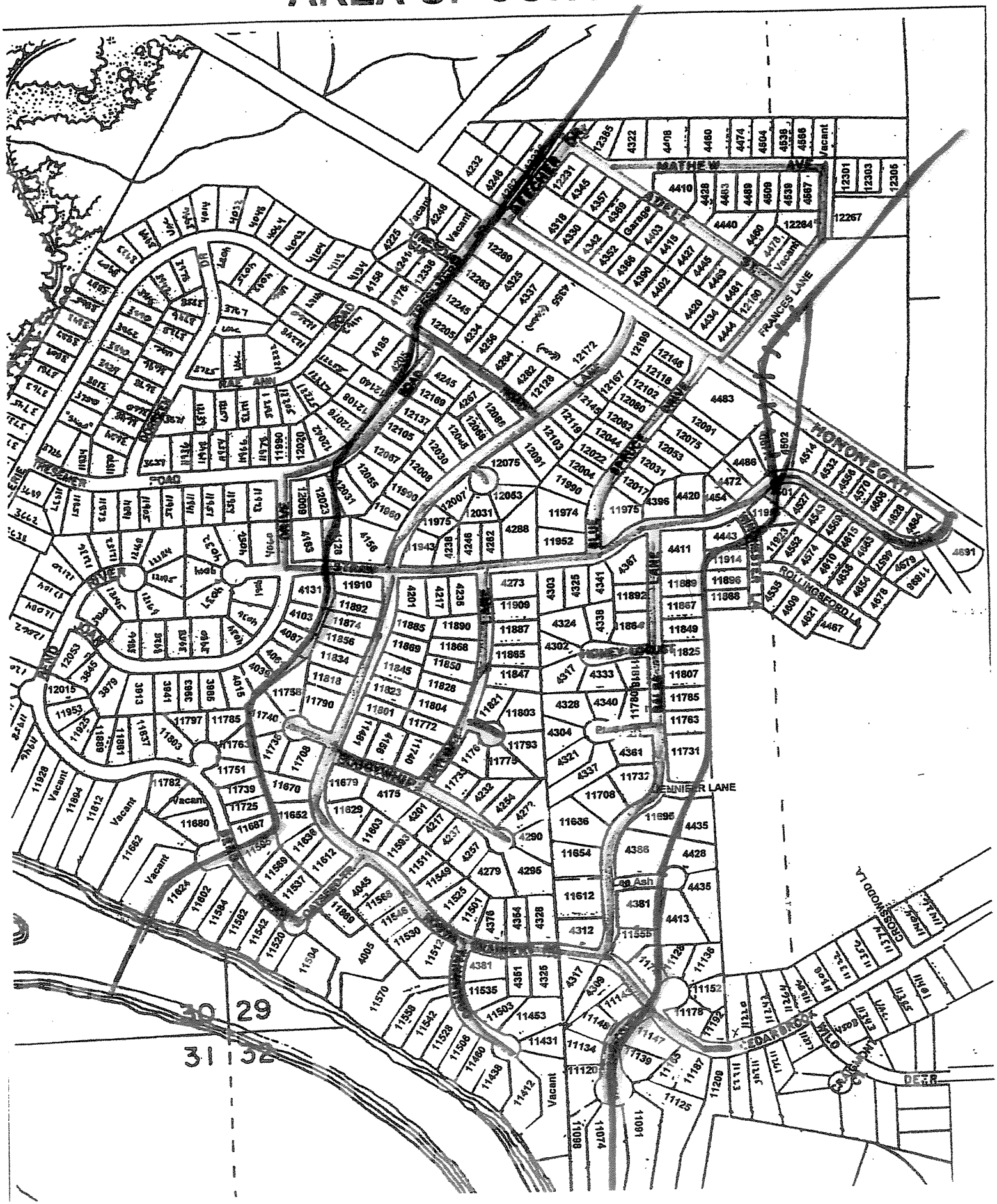
SCALE

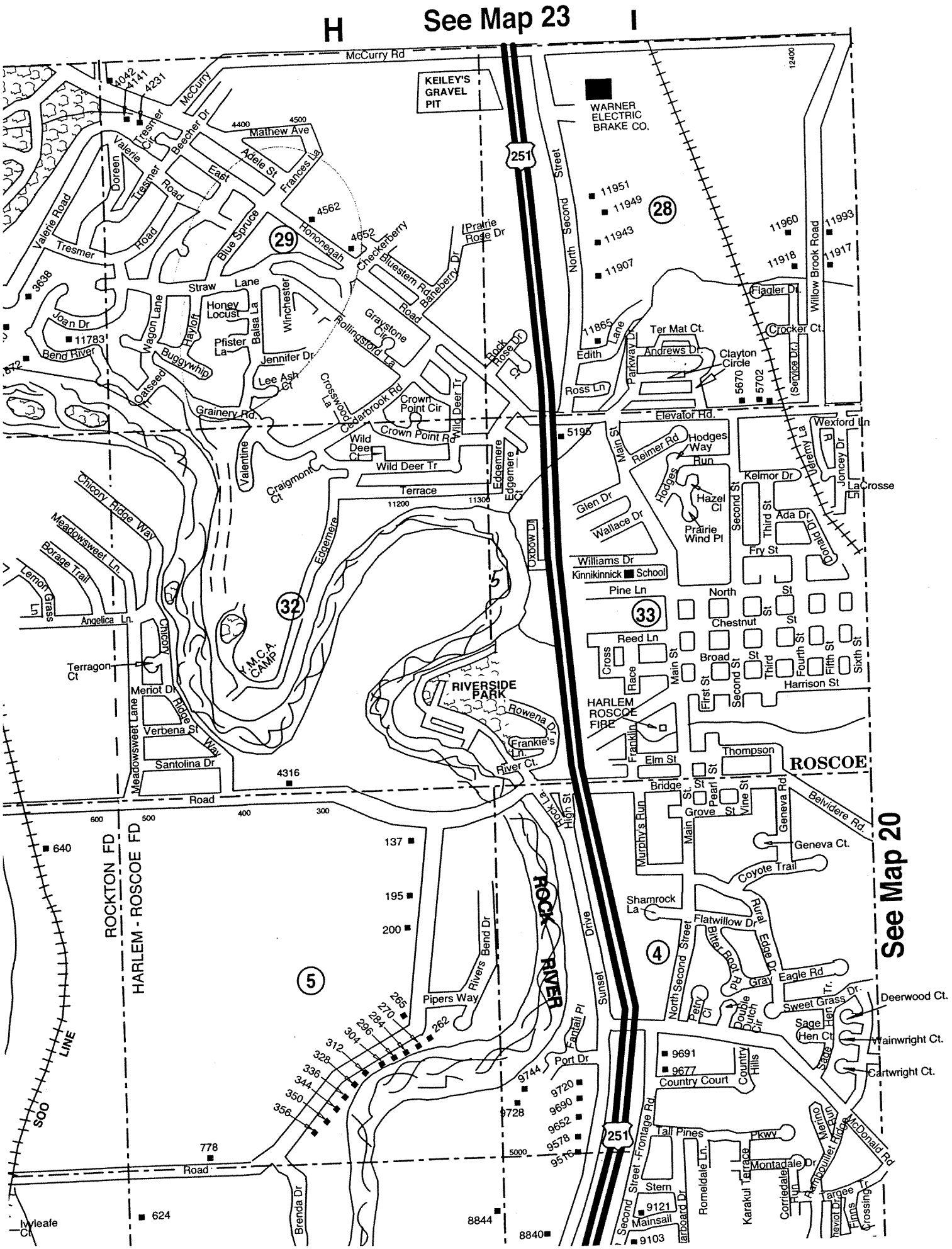
0 500 1,000 2,000 Feet

This map was produced by N.P.P.W.D. to illustrate the water mains and parcels in the area of Roscoe, Illinois of interest to CRA. The data used for the distribution system is from the CAD file produced for the NPPWD by McClure Engineering. Parcel data is from WinGIS.
Map creation: September 2005

EVERGREEN MANOR
AREA OF CONCERN

— : Plume
— : Main





See Map 23
H
I
See Map 20
McCurry Rd
KEILEY'S GRAVEL PIT
WARNER ELECTRIC BRAKE CO.
251
North Second Street
Mathew Ave
Adele St
Frances La
Valerie Road
Tresmer Road
Doreen
Beecher Dr
Blue Spruce
Hononegah
Checkerberry
Bluestem Rd
Baneberry Dr
Prairie Rose Dr
Straw Lane
Honey Locust
Winchester
Rollingstone Rd
Graystone Cir
Joan Dr
Bend River
Wagon Lane
Hayloft
Buggywhip
Pfister La
Balsa La
Jennifer Dr
Lee Ash Ct
Oatseed
Grainery Rd.
Crosswood La
Cedarbrook Rd
Crown Point Cir
Crown Point Rd
Wild Deer Tr
Wild Deer Ct
Rock Rose Dr
Ct
Valentine
Craigmont Ct
Terrace
Edgemere
Edgemere Ct
Oxbow Dr
Chicory Ridge Way
Meadowsweet Ln.
Borage Trail
Lemon Grass Ln
Angelica Ln.
Terragon Ct
Meriot Dr
Verbena St
Santolina Dr
Meadowsweet Lane
Chicory Ridge Way
Y.M.C.A. CAMP
RIVERSIDE PARK
Rowena Dr
Frankie's Ln.
River Ct.
Road
ROCKTON FD
HARLEM - ROSCOE FD
SOO LINE
ROCK RIVER
Rivers Bend Dr
Pipers Way
Fantail Pl
Port Dr
Sunset Drive
Rock La
High St
Ivyleaf Ct
Brenda Dr
Elevator Rd.
Main St
Reimer Rd
Hodges Way
Run
Hodges
Hazel Cl
Prairie Wind Pl
Glen Dr
Wallace Dr
Williams Dr
Kinnikinnick School
Pine Ln
North St
Chestnut St
Reed Ln
Cross
Race
Main St
Broad St
First St
Second St
Third
Fourth St
Fifth St
Sixth St
Harrison St
HARLEM ROSCOE FIRE
Franklin
Elm St
Thompson
ROSCOE
Bridge St
Pearl St
Vine St
Grove St
Main
Murphy's Run
Geneva Rd
Belvidere Rd.
Geneva Ct.
Coyote Trail
Shamrock La
Flatwillow Dr
Bitter Root Rd
Rural Edge Dr
Gray Eagle Rd
Sweet Grass Dr.
Deerwood Ct.
Sage Hen Ct
Wainwright Ct.
Cartwright Ct.
North Second Street
Petry Cl
Double Dutch Cir
Country Hills
Country Court
Tall Pines Pkwy
Montadale Dr
Second Street -Frontage Rd.
Stern
Mainsail
Romeldale Ln.
Karakul Terrace
Corriedale Run
Merino Run
Rambouillet Ridge
McDonald Rd
Targee Tr
Finns Crossing
Edith Lane
Parkway Dr
Ross Ln
Ter Mat Ct.
Andrews Dr.
Clayton Circle
Flagler Dr.
Crocker Ct.
(Service Dr.)
Willow Brook Road
Wexford Ln
Jeremy La
Joncey Dr
LaCrosse Ln
Kelmor Dr
Second St
Third St
Ada Dr
Donald Dr
Fry St
4042
4141
4231
4400
4500
4562
4652
3638
11783
4316
640
137
195
200
265
270
284
296
304
312
328
336
344
350
356
262
778
624
8844
8840
9744
9728
9720
9690
9652
9578
9516
9691
9677
9121
9103
5000
11200
11300
12400
11951
11949
11943
11907
11865
5195
5670
5702
11960
11993
11918
11917

Public Water Accts.

Sec. 28

SE + SW

SHORT NAME LOOKUP

NAME		F	PROPERTY LOC
KROVITZ	MORRIE	0	5509 ANDREWS DR
KROVITZ	MORRIE	0	5531 ANDREWS DR
SURFACE	KARIN	0	5553 ANDREWS DR
FRIEND	RICHARD	0	5575 ANDREWS DR
ARRINGTON	BONNIE	0	5592 ANDREWS DR
LEWIS	TIM	0	5594 ANDREWS DR
GIBB	KATHLEEN A	0	5596 ANDREWS DR
KROVITZ	MORRIE	0	5597 ANDREWS DR
LAVIOLETTE	DELLA	0	5598 ANDREWS DR
OAK VILLAGE CONDOS A		0	5610 ANDREWS DR
CANOVA	JOHN	0	5612 ANDREWS DR
VITALE	MICHELLE	0	5632 ANDREWS DR
HAYDEN	MARJORIE	0	5634 ANDREWS DR
SURFACE	KARIN	0	5635 ANDREWS DR
JAOUDE	RAMZI	0	5636 ANDREWS DR
POWERS	JEAN	0	5638 ANDREWS DR
PIEROTTI	DUILIO	0	5696 ANDREWS DR

INDEX ACCOUNT, PRESS GO to display account detail on pre
PRESS FINISH to display previous screen NEXT PAGE to

SHORT NAME LOOKUP

NAME		F	PROPERTY LOC
CHRISTIAN	MARY K.	0	5698 ANDREWS DR
FRIEND	RICHARD	0	5702 ANDREWS DR
CHRISTIAN	MARY K.	0	5704 ANDREWS DR 2
HAUSER	CHAD/LOUISE	0	504 ANGELICA LN
LYNCH	BRIAN	0	522 ANGELICA LN
KELSEY	JAMES	0	530 ANGELICA LN
MOORE	DAVID	0	546 ANGELICA LN
ECCLES	TODD	0	552 ANGELICA LN
THIESSEN	MIKI	0	558 ANGELICA LN
KACZMAREK	HEATHER	0	566 ANGELICA LN
STATDFIELD	C.R.	0	572 ANGELICA LN
FERRIS	BETH	0	574 ANGELICA LN
PRICE	GINGER	0	578 ANGELICA LN
JAMES	JESSE/LISA	0	582 ANGELICA LN
BUNTYN	JOHN/KIMBERL	0	583 ANGELICA LN
BONYNGE	JIM	0	588 ANGELICA LN
WEBER	AARON	0	591 ANGELICA LN

INDEX ACCOUNT, PRESS GO to display account detail on pre
PRESS FINISH to display previous screen NEXT PAGE to

SHORT NAME LOOKUP

NAME		F	PROPERTY LOC
DAGNOLO	ROY	0	5502 TER MAAT CT
HANSEN	SARAH	0	5508 TER MAAT CT
HAHN	RICHARD	0	5528 TER MAAT CT
DICKSON	SHEILA	0	5534 TER MAAT CT
NIELSEN	BETTY	0	5543 TER MAAT CT
TERMAAT-JOHNSON	TERRY/JANICE	0	5552 TER MAAT CT
RUMMEL	DAVID	0	5553 TER MAAT CT
MILAM	ROBERT	0	462 TERRAGON CT
KUJAT	PETER	0	470 TERRAGON CT
SCHIER	ERIC/KATHY	0	476 TERRAGON CT
LE	MUI	0	484 TERRAGON CT
FERGUSON	RONALD/CHRIS	0	485 TERRAGON CT
BOESEN	MARK/PATRICI	0	8518 TERRANG CT
ELSWICK	TIM/DEB	0	8523 TERRANG CT
WINGO	MICHAEL	0	8530 TERRANG CT
LIPINSKI	PAUL/PENNY	0	8541 TERRANG CT
SMITH	THOMAS L.	0	8552 TERRANG CT

INDEX ACCOUNT, PRESS GO to display account detail on pre
PRESS FINISH to display previous screen NEXT PAGE to

SHORT NAME LOOKUP

NAME		F	PROPERTY LOC
FRIEND	RICHARD	0	5788 CROCKER CT
FRIEND	RICHARD	0	5794 CROCKER CT
CJW PROPERTIES		0	5795 CROCKER CT
JOLLIFF	RALPH	0	4501 CROSS COUNTRY DI
HORN	RUSSELL	0	4509 CROSS COUNTRY DI
JACKSON	KEVIN/TERRIE	0	4515 CROSS COUNTRY DI
NELSON	LLOYD	0	4521 CROSS COUNTRY DI
CASTOR	RONALD	0	4601 CROSS COUNTRY DI
SCOTT	DEBBIE	0	4604 CROSS COUNTRY DI
BOWEN	JERRY	0	4611 CROSS COUNTRY DI
CALKINS	ROBERT	0	4616 CROSS COUNTRY DI
HON	DENNIS	0	4620 CROSS COUNTRY DI
SHOOK	THOMAS	0	4621 CROSS COUNTRY DI
MESKOWSKI	RAYMOND	0	4629 CROSS COUNTRY DI
INGLES JR	CARL	0	4632 CROSS COUNTRY DI
BERNARD	PAUL	0	4635 CROSS COUNTRY DI
ROWLAND	MALCOLM	0	4641 CROSS COUNTRY DI

INDEX ACCOUNT, PRESS GO to display account detail on pre
PRESS FINISH to display previous screen NEXT PAGE to

SHORT NAME LOOKUP

NAME		F	PROPERTY LOCA
FRIEND	RICHARD	0	5774 FLAGLER DR
FRIEND	RICHARD	0	5780 FLAGLER DR
ROSCOE PROPERTY MGMT		0	5786 FLAGLER DR
FRIEND	RICHARD	0	5791 FLAGLER DR
ROSCOE PROPERTY MGMT		0	5792 FLAGLER DR
GREER	DONALD	0	9890 FLINT CT
HENSLEY	RECIL	0	9904 FLINT CT
PERRIN	TIMOTHY	0	9918 FLINT CT
SIKARINTHRA	SUTHORN	0	9925 FLINT CT
FOLLIS	JERRY	0	9932 FLINT CT
GILLE	JERRY	0	9946 FLINT CT
PEA	DOUG	0	9953 FLINT CT
JOHNSTONE	REBECCA	0	9960 FLINT CT
ROSKI	DONALD	2	12180 FLOYD DR
INACTIVE		5	9601 FOREST HILLS RD
BLACKHAWK STATE BANK		0	9609 FOREST HILLS RD
SENTRO PRINTING		0	9620 FOREST HILLS RD

INDEX ACCOUNT, PRESS GO to display account detail on pre
PRESS FINISH to display previous screen NEXT PAGE to

SHORT NAME LOOKUP

NAME		F	PROPERTY LOCA
COBY JACS		0	5506 CLAYTON CIR
ROSCOE N SUB LIBRARY		0	5562 CLAYTON CIR
ROSCOE FAMILY DENTAL		0	5640 CLAYTON CIR
NELSON	OREN	0	8310 COLCHESTER DR
ELLIOTT	RUSSELL	0	8314 COLCHESTER DR
EDDY	WILLIAM	0	8315 COLCHESTER DR
FOSTER	SCOTT	0	8318 COLCHESTER DR
MYERS	CHARLES	0	8319 COLCHESTER DR
CHRISTIANSEN	JERRY	0	8322 COLCHESTER DR
MOLLWAY	MICHAEL	0	8323 COLCHESTER DR
WALLSCHLAEGER	PAUL/AMY	0	8326 COLCHESTER DR
WALDSMITH	KRISTEN	0	8327 COLCHESTER DR
DAY	REBECCA	0	8330 COLCHESTER DR
SEAWORTH	MICHAEL	0	8331 COLCHESTER DR
REESE	TOM	0	8414 COLCHESTER DR
RODRIQUEZ	JOSE	0	8415 COLCHESTER DR
HAWN	BRADLEY	0	8418 COLCHESTER DR

INDEX ACCOUNT, PRESS GO to display account detail on pre
PRESS FINISH to display previous screen NEXT PAGE to

SHORT NAME LOOKUP

NAME		F	PROPERTY LOCA
FRIEND	RICHARD	0	11691 PARKWAY DR
FRIEND	RICHARD	0	11722 PARKWAY DR
FRIEND	SHAWN	0	11702-8 PARKWAY DR
FABERT	DOUGLAS	0	332 PATTI LN
STEINBACH	JOHN	0	347 PATTI LN
MUNGER	MARK	0	354 PATTI LN
ISON	PAULINE	0	365 PATTI LN
RODRIGUEZ	MELODY	0	370 PATTI LN
KRETSINGER	WADE	0	384 PATTI LN
CLAYTON	HAROLD E. JR	0	391 PATTI LN
FOSSE	JAMES/CAMMI	0	396 PATTI LN
PARNELLO	JOHN	0	404 PATTI LN
GREGORY	DAWN	0	407 PATTI LN
BAKKELUND	JANET	0	422 PATTI LN
GOODMAN	THOMAS A.	0	425 PATTI LN
HILLARY	LESLIE	0	441 PATTI LN
WENTZ	ROBERT	0	446 PATTI LN

INDEX ACCOUNT, PRESS GO to display account detail on pre
PRESS FINISH to display previous screen NEXT PAGE to

SHORT NAME LOOKUP

NAME		F	PROPERTY LOC
MCDONALD'S CORP-2678		0	5195 ELEVATOR RD
THE STIER LIMITED		0	5206 ELEVATOR RD
PKM ENTERPRISES LLC		0	5209 ELEVATOR RD
BACKYARD GRILL		0	5390 ELEVATOR RD
VBD INV. INC DBA DAI		0	5482 ELEVATOR RD
S R I J I VIDEO INC		0	5486 ELEVATOR RD
JOHN R KRENGER REAL		0	5498 ELEVATOR RD
ROSCOE CENTER TRUE V		0	5506 ELEVATOR RD
JOHN R KREGNER REAL		0	5512 ELEVATOR RD
HONONEGAH DENTAL CLI		0	5647 ELEVATOR RD
HOPE EVANG. FREE CH		0	5656 ELEVATOR RD
PIETRO'S PIZZERIA		0	5724 ELEVATOR RD A
BLACKMAN CHIROPACTIC		0	5724 ELEVATOR RD B
PIETRO'S PIZZERIA		5	5724 ELEVATOR RD C
D BARS S ENTERPRISE,		0	5756 ELEVATOR RD
ROSCOE MIDDLE SCHOOL		0	6121 ELEVATOR RD
HURST	GEORGE	0	6804 ELKHORN ST

INDEX ACCOUNT, PRESS GO to display account detail on pre
PRESS FINISH to display previous screen NEXT PAGE to

SHORT NAME LOOKUP

NAME		F	PROPERTY L(
FREY	ROSELLA	0	11076 MAIN ST
MCCOLLOUGH	THOMAS	0	11162 MAIN ST
SMITH	BRIAN K.	0	11172 MAIN ST
MAIN STREET AUTO BOD		0	11212 MAIN ST
AUSTIN	MARK	0	11291 MAIN ST
WHIFFLETREE		0	11347 MAIN ST
ALEXANDER HAIR COMPA		2	11355 MAIN ST
BUNN PUPPIES		2	11357 MAIN ST
MIDWEST PROPERTIES		0	11359 MAIN ST
SCHWEGLER	NICK	0	11420 MAIN ST
R & B OIL LLC		0	11607 MAIN ST
GREAT LAKES QUICK LU		0	11611 MAIN ST
ROSCOE SUPER WASH		0	11629 MAIN ST
EAST-WEST CHROPRACTI		0	11673 MAIN ST
CHINA PALACE		0	11677 MAIN ST
FOREST CITY GEAR		0	11715 MAIN ST
AERATORS INC		0	11765 MAIN ST

INDEX ACCOUNT, PRESS GO to display account detail on
PRESS FINISH to display previous screen NEXT PAGE

SHORT NAME LOOKUP

NAME		F	PROPERTY L
ROSCOE AUTOMOTIVE		0	11951 MAIN ST
ROSCOMMON		0	11702-1 MAIN ST
PRECISION DOSE		0	5352 MAINSAIL DR
SHIELDS JR	BOB	0	508 MAPLE AVE
COOPER	IVA E	0	512 MAPLE AVE
WICKER	KEVIN	0	608 MAPLE AVE
JACKSON	DUELL	0	611 MAPLE AVE
HEID	ALAN	0	612 MAPLE AVE
SHUKIS	STEPHEN	0	615 MAPLE AVE
CRETON	JOSEPH	0	619 MAPLE AVE
MILLER	RONALD	0	623 MAPLE AVE
ANDERSON	CARRIE	0	633 MAPLE AVE
SANSOM	KENNETH	0	635 MAPLE AVE
ISOM	W. T.	0	637 MAPLE AVE
SEDERSTROM	RANDY/STEPHA	0	701 MAPLE AVE
MORAND	CONNIE	0	703 MAPLE AVE
HENRY	WARREN E.	0	801 MAPLE AVE

INDEX ACCOUNT, PRESS GO to display account detail on
PRESS FINISH to display previous screen NEXT PAGE

Addresses from
Win gis.
Highlite indicates
connected to public
water.

Evergreen Manor

Attributes of Evergreen_Export

GIS_PIN	DEVNET_PIN	PAR	HOUSE	STREETNAME	STREE	LEGALDESC
04-29-127-006	0429127006	2005	4460	ADELE	ST	HONONEGAH HEIGHTS 3RD ADDN IN PT NW 1/4 + NE 1/4 SEC 29-46-2 LOT 037
04-29-127-001	0429127001	2005	4410	ADELE	ST	HONONEGAH HEIGHTS 3RD ADDN IN PT NW 1/4 + NE 1/4 SEC 29-46-2 LOT 035
04-29-129-002	0429129002	2005	4345	ADELE	ST	HONONEGAH HGTS 2ND ADDN SEC 29-46-2 EXC SWLY 15FT ALL LT LOT 11A
04-29-129-007	0429129007	2005	4415	ADELE	ST	HONONEGAH HGTS 2ND ADDN SEC 29-46-2 LOT 06A
04-29-127-005	0429127005	2005	4440	ADELE	ST	HONONEGAH HEIGHTS 3RD ADDN IN PT NW 1/4 + NE 1/4 SEC 29-46-2 LOT 036
04-29-129-011	0429129011	2005	4481	ADELE	ST	HONONEGAH HGTS 2ND ADDN SEC 29-46-2 LOT 02A
04-29-129-005	0429129005	2005		ADELE	ST	HONONEGAH HGTS 2ND ADDN SEC 29-46-2 LOT 08A
04-29-129-006	0429129006	2005	4403	ADELE	ST	HONONEGAH HGTS 2ND ADDN SEC 29-46-2 LOT 07A
04-29-129-003	0429129003	2005		ADELE	ST	HONONEGAH HGTS 2ND ADDN SEC 29-46-2 LOT 10A
04-29-202-005	0429202005	2005	4478	ADELE		HONONEGAH HEIGHTS 3RD ADDN IN PT NW 1/4 & NE 1/4 SEC 29-46-2 LOT 38 & LOT 039
04-29-127-002	0429127002	2005	4428	ADELE	ST	HONONEGAH HEIGHTS 3RD ADDN IN PT NW 1/4 + NE 1/4 SEC 29-46-2 LOT 034
04-29-129-004	0429129004	2005	4369	ADELE	ST	HONONEGAH HGTS 2ND ADDN SEC 29-46-2 LOT 09A
04-29-129-008	0429129008	2005	4427	ADELE	ST	HONONEGAH HGTS 2ND ADDN SEC 29-46-2 LOT 05A
04-29-129-009	0429129009	2005	4445	ADELE	ST	HONONEGAH HGTS 2ND ADDN SEC 29-46-2 LOT 04A
04-29-129-010	0429129010	2005	4463	ADELE	ST	HONONEGAH HGTS 2ND ADDN SEC 29-46-2 LOT 03A
04-29-327-046	0429327046	2005	11818	BALSA	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 023
04-29-327-047	0429327047	2005	11780	BALSA	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 024
04-29-328-004	0429328004	2005	11867	BALSA	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 036
04-29-328-002	0429328002	2005		BALSA	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 038
04-29-328-009	0429328009	2005	11763	BALSA	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 031
04-29-328-006	0429328006	2005	11825	BALSA	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 034
04-29-327-061	0429327061	2005	11612	BALSA	LN	PLAT NO 3 EVERGREEN MANOR BNG PT SW1/4 SEC 29-46-2 LOT 85
04-29-328-008	0429328008	2005	11785	BALSA	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 032
04-29-328-007	0429328007	2005	11807	BALSA	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 033
04-29-327-060	0429327060	2005	11654	BALSA	LN	PLAT NO 3 EVERGREEN MANOR BNG PT SW1/4 SEC 29-46-2 LOT 84
04-29-327-057	0429327057	2005	11732	BALSA	LN	PLAT NO 3 EVERGREEN MANOR BNG PT SW1/4 SEC 29-46-2 LOT 81
04-29-327-059	0429327059	2005	11686	BALSA	LN	PLAT NO 3 EVERGREEN MANOR BNG PT SW1/4 SEC 29-46-2 LOT 83
04-29-376-008	0429376008	2005	11555	BALSA	LN	PLAT NO 2 EVERGREEN MANOR SUBD BNG PT OF S1/2 SEC 29 & PT N1/2 SEC 32 ALL 46-
04-29-327-040	0429327040	2005	11864	BALSA	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW 1/4 SEC 29-46-2 ALL LOT 017
04-29-327-058	0429327058	2005	11708	BALSA	LN	PLAT NO 3 EVERGREEN MANOR BNG PT SW1/4 SEC 29-46-2 LOT 82
04-29-328-003	0429328003	2005	11889	BALSA	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 037
04-29-376-001	0429376001	2005	11695	BALSA	LN	PLAT NO 3 EVERGREEN MANOR BNG PT SW1/4 SEC 29-46-2 LOT 78
04-29-328-005	0429328005	2005	11849	BALSA	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 035
04-29-327-039	0429327039	2005	11892	BALSA	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW 1/4 SEC 29-46-2 ALL LOT 016
04-29-328-010	0429328010	2005	11731	BALSA	LN	PLAT NO 3 EVERGREEN MANOR BNG PT SW1/4 SEC 29-46-2 LOT 80
04-29-129-001	0429129001	2005	12331	BEECHER	DR	HONONEGAH HGTS 2ND ADDN SEC 29-46-2 LOT 12A
04-29-126-002	0429126002	2005	12385	BEECHER	DR	HONONEGAH HEIGHTS 3RD ADDN IN PT NW 1/4 + NE 1/4 SEC 29-46-2 LOT 018
04-29-351-001	0429351001	2005	11584	BEND RIVER	RD	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0

Record: 39 Show: All Selected Records (0 out of 301 Selected.) Options

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Attributes of Evergreen_Export

GIS_PIN	DEVNET_PIN	PAR	HOUSE	STREETNAME	STREE	LEGALDESC
04-29-351-005	0429351005	2005	11504	BEND RIVER	RD	PLAT NO 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46- 2 (E
04-29-304-016	0429304016	2005	11537	BEND RIVER	RD	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-351-003	0429351003	2005	11542	BEND RIVER	RD	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-30-476-016	0430476016	2005	11602	BEND RIVER	RD	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-351-004	0429351004	2005	11520	BEND RIVER	RD	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-304-015	0429304015	2005	11569	BEND RIVER	RD	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-30-476-015	0430476015	2005	11624	BEND RIVER	RD	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-351-002	0429351002	2005	11562	BEND RIVER	RD	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-304-014	0429304014	2005	11595	BEND RIVER	RD	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-177-016	0429177016	2005	12080	BLUE SPRUCE	DR	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 (EXC NWLY 16.50
04-29-177-012	0429177012	2005	12146	BLUE SPRUCE	DR	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 (EXC NWLY 16.50
04-29-178-006	0429178006	2005	12031	BLUE SPRUCE	DR	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 044
04-29-177-025	0429177025	2005	11990	BLUE SPRUCE	DR	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 (EXC NWLY 16.50
04-29-177-013	0429177013	2005	12118	BLUE SPRUCE		PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 (EXC NWLY 16.50
04-29-303-010	0429303010	2005	11952	BLUE SPRUCE	DR	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 (EXC WLY 16.50 F
04-29-177-019	0429177019	2005	12044	BLUE SPRUCE	DR	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW 1/4 SEC 29-46-2 (EXC NWLY 16.5
04-29-178-004	0429178004	2005	12075	BLUE SPRUCE	DR	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 046
04-29-177-021	0429177021	2005	12022	BLUE SPRUCE	DR	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 (EXC NWLY 16.50
04-29-326-001	0429326001	2005	12017	BLUE SPRUCE	DR	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 043
04-29-178-005	0429178005	2005	12053	BLUE SPRUCE	DR	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 045
04-29-177-017	0429177017	2005	12062	BLUE SPRUCE	DR	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW 1/4 SEC 29-46-2 (EXC NWLY 16.5
04-29-177-015	0429177015	2005	12102	BLUE SPRUCE	DR	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 (EXC NWLY 16.50
04-29-326-002	0429326002	2005	11975	BLUE SPRUCE	DR	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 042
04-29-177-023	0429177023	2005	12004	BLUE SPRUCE	DR	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 (EXC NWLY 16.50
04-29-303-008	0429303008	2005	11974	BLUE SPRUCE	DR	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 (EXC WLY 16.50 F
04-29-178-003	0429178003	2005	12091	BLUE SPRUCE	DR	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW 1/4 SEC 29-46-2 ALL LOT 047
04-29-327-012	0429327012	2005	4232	BUGGYWHIP	LN	PLAT 3 OLDE FARM BNG SUB PT SW1/4 SEC 29-46-2 LOT 114
04-29-327-018	0429327018	2005	4217	BUGGYWHIP	LN	PLAT 3 OLDE FARM BNG SUB PT SW1/4 SEC 29-46-2 LOT 122
04-29-327-019	0429327019	2005	4237	BUGGYWHIP	LN	PLAT 3 OLDE FARM BNG SUB PT SW1/4 SEC 29-46-2 LOT 121
04-29-327-020	0429327020	2005	4257	BUGGYWHIP	LN	PLAT 3 OLDE FARM BNG SUB PT SW1/4 SEC 29-46-2 LOT 120
04-29-305-016	0429305016	2005	4156	BUGGYWHIP	CT	PLAT 3 OLDE FARM BNG SUB PT SW1/4 SEC 29-46-2 LOT 125
04-29-327-016	0429327016	2005	4175	BUGGYWHIP	LN	PLAT 3 OLDE FARM BNG SUB PT SW1/4 SEC 29-46-2 LOT 124
04-29-327-013	0429327013	2005	4254	BUGGYWHIP	LN	PLAT 3 OLDE FARM BNG SUB PT SW1/4 SEC 29-46-2 LOT 115
04-29-327-022	0429327022	2005	4295	BUGGYWHIP	CT	PLAT 3 OLDE FARM BNG SUB PT SW1/4 SEC 29-46-2 LOT 118
04-29-327-017	0429327017	2005	4201	BUGGYWHIP	LN	PLAT 3 OLDE FARM BNG SUB PT SW1/4 SEC 29-46-2 LOT 123
04-29-327-014	0429327014	2005	4272	BUGGYWHIP	LN	PLAT 3 OLDE FARM BNG SUB PT SW1/4 SEC 29-46-2 LOT 116
04-29-327-021	0429327021	2005	4279	BUGGYWHIP	CT	PLAT 3 OLDE FARM BNG SUB PT SW1/4 SEC 29-46-2 LOT 119
04-29-327-015	0429327015	2005	4290	BUGGYWHIP	LN	PLAT 3 OLDE FARM BNG SUB PT SW1/4 SEC 29-46-2 LOT 117

Record: 39 Show: All Selected Records (1 out of 301 Selected.) Options

Start December 04 2004 ... Plume_0 - Paint « 10:56 AM

SHORT NAME LOOKUP

NAME		F	PROPERTY LOCATIC
PEREZ	KIM	0	4381 LEEASH CT
LOVELACE	RANDOLPH W.	0	4386 LEEASH CT
LACY	SHAUN *	0	4413 LEEASH CT
GIBSON	RICK *	0	4428 LEEASH CT
PAYE	LAWRENCE *	0	4435 LEEASH CT
HALLMARK HOMES		0	9002 LEICESTER WAY
HALLMARK HOMES		0	9004 LEICESTER WAY
HALLMARK HOMES		0	9006 LEICESTER WAY
HALLMARK HOMES		0	9007 LEICESTER WAY
HALLMARK HOMES		0	9008 LEICESTER WAY
HALLMARK HOMES		0	9019 LEICESTER WAY
EMILIUSEN	NEAL/RONDA	0	9041 LEICESTER WAY
KELLY	TOM	0	9063 LEICESTER WAY
HANCOCK	STACY	0	9127 LEICESTER WAY
STUPEK	CHRISTINE	0	9151 LEICESTER WAY
PHILLIPS	DAVID/AMY	0	9165 LEICESTER WAY
HENSLEY	JOHN/WENDY	0	9228 LEICESTER WAY

INDEX ACCOUNT, PRESS GO to display account detail on previo
PRESS FINISH to display previous screen NEXT PAGE to dis

* Not Listed in County

SHORT NAME LOOKUP

NAME		F	PROPERTY LOCAT
RHYMER	PHILIP	0	4444 HONONEGAH RD
ECKEL	JERRY	0	4483 HONONEGAH RD
AMCORE BANK	*	0	4860 HONONEGAH RD
KROGER LIMITED PARTN	*	0	4860 HONONEGAH RD
KROGER LP-1	*	0	4860 HONONEGAH RD
KROGER LP-1	*	0	4860 HONONEGAH RD
KROGER LP-1	*	0	4860 HONONEGAH RD
ROSCOE PHYSICAL THER	*	2	5003 HONONEGAH RD
SWEDISH AMERICAN CLI	*	0	5005 HONONEGAH RD
AMERICAN HEARING AID	*	0	5007 HONONEGAH RD
WALGREENS #6001	*	0	5065 HONONEGAH RD
DEITER	ROBERT	0	1308 HOPE CT
ROSENE	HERB	0	1313 HOPE CT
DIFEDE	CHERYL	0	1315 HOPE CT
FALL	JUDITH	0	203 HOUGH DR
HOFFMAN	NORMA	0	4907 HUMMINGBIRD TR
SLIWA	STANLEY	0	4910 HUMMINGBIRD TR

INDEX ACCOUNT, PRESS GO to display account detail on prev
PRESS FINISH to display previous screen NEXT PAGE to d

* Not Listed with County

Attributes of Evergreen_Export

GIS_PIN	DEVNET_PIN	PAR	HOUSE	STREETNAME	STREE	LEGALDESC
04-29-327-044	0429327044	2005	4317	HONEY LOCUST	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 021
04-29-327-041	0429327041	2005	4338	HONEY LOCUST	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 018
04-29-327-043	0429327043	2005	4302	HONEY LOCUST	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 020
04-29-178-009	0429178009	2005	4483	HONONEGAH	RD	EVERGREEN MANOR PT N 1/2 & PT SW1/4 SEC 29-46-2 LOTS 48 & 49
04-29-129-013	0429129013	2005	4444	HONONEGAH	RD	HONONEGAH HGTS SUBD SEC 29-46-2 N 40 FT LOT 001
04-29-129-020	0429129020	2005	4390	HONONEGAH	RD	HONONEGAH HGTS SUBD SEC 29-46-2 LOT 006
04-29-129-025	0429129025	2005	4318	HONONEGAH	RD	HONONEGAH HEIGHTS SUB BNG PT NW1/4 SEC 29-46-2 LOT 11 & SWLY 15 FT OF LOT 11
04-29-176-007	0429176007	2005	4337	HONONEGAH	RD	BEGN OLD C/L HWY 2154.9 FT SELY FROM W SEC LN TH SWLY 400 FT NWLY 100 FT NEL
04-29-129-022	0429129022	2005	4420	HONONEGAH	RD	HONONEGAH HGTS SUBD SEC 29-46-2 LOTS 3 + 004
04-29-129-016	0429129016	2005	4330	HONONEGAH	RD	HONONEGAH HGTS SUBD SEC 29-46-2 LOT 010
04-29-129-017	0429129017	2005	4342	HONONEGAH	RD	HONONEGAH HGTS SUBD SEC 29-46-2 LOT 009
04-29-177-011	0429177011	2005		HONONEGAH	RD	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 THAT PT OF NW
04-29-129-021	0429129021	2005	4402	HONONEGAH	RD	HONONEGAH HGTS SUBD SEC 29-46-2 LOT 005
04-29-176-008	0429176008	2005	4355	HONONEGAH	RD	PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 001
04-29-129-024	0429129024	2005	4444	HONONEGAH	RD	HONONEGAH HGTS SUB SEC 29-46-2 EXC N 40 FT LOT 001
04-29-176-006	0429176006	2005	4325	HONONEGAH	RD	BEGN OLD C/L HWY 2054.9 FT SELY FROM W SEC LN TH SWLY 400 FT NWLY 100 FT NEL
04-29-129-019	0429129019	2005	4366	HONONEGAH	RD	HONONEGAH HGTS SUBD SEC 29-46-2 LOT 007
04-29-129-023	0429129023	2005	4434	HONONEGAH	RD	HONONEGAH HGTS SUBD SEC 29-46-2 LOT 002
04-29-129-018	0429129018	2005	4352	HONONEGAH	RD	HONONEGAH HGTS SUBD SEC 29-46-2 LOT 008
04-29-376-007	0429376007	2005	4381	LEE ASH	CT	PLAT NO 3 EVERGREEN MANOR BNG PT SW1/4 SEC 29-46-2 LOT 73
04-29-376-003	0429376003	2005	4386	LEEASH	CT	PLAT NO 3 EVERGREEN MANOR BNG PT SW1/4 SEC 29-46-2 LOT 77
04-29-202-003	0429202003	2005	4567	MATHEW	AVE	HONONEGAH HEIGHTS 3RD ADDN IN PT NW 1/4 + NE 1/4 SEC 29-46-2 LOT 029
04-29-126-003	0429126003	2005	4322	MATHEW	AVE	HONONEGAH HEIGHTS 3RD ADDN IN PT NW 1/4 + NE 1/4 SEC 29-46-2 LOT 019
04-29-202-001	0429202001	2005	4509	MATHEW	AVE	HONONEGAH HEIGHTS 3RD ADDN IN PT NW 1/4 + NE 1/4 SEC 29-46-2 LOT 031
04-29-127-004	0429127004	2005	4489	MATTHEW	AVE	HONONEGAH HEIGHTS 3RD ADDN IN PT NW 1/4 + NE 1/4 SEC 29-46-2 LOT 032
04-29-201-002	0429201002	2005	4566	MATTHEW	AVE	HONONEGAH HEIGHTS 3RD ADDN IN PT NW 1/4 + NE 1/4 SEC 29-46-2 LOT 027
04-29-126-006	0429126006	2005		MATTHEW	AVE	HONONEGAH HEIGHTS 3RD ADDN IN PT NW 1/4 + NE 1/4 SEC 29-46-2 LOT 022
04-29-127-003	0429127003	2005	4463	MATTHEW	AVE	HONONEGAH HEIGHTS 3RD ADDN IN PT NW 1/4 + NE 1/4 SEC 29-46-2 LOT 033
04-29-201-001	0429201001	2005	4536	MATTHEW	AVE	HONONEGAH HEIGHTS 3RD ADDN IN PT NW 1/4 + NE 1/4 SEC 29-46-2 LOT 026
04-29-202-002	0429202002	2005	4539	MATTHEW	AVE	HONONEGAH HEIGHTS 3RD ADDN IN PT NW 1/4 + NE 1/4 SEC 29-46-2 LOT 030
04-29-126-005	0429126005	2005	4408	MATTHEW	AVE	HONONEGAH HEIGHTS 3RD ADDN IN PT NW 1/4 + NE 1/4 SEC 29-46-2 LOT 021
04-29-126-009	0429126009	2005	4504	MATTHEW	AVE	HONONEGAH HEIGHTS 3RD ADDN IN PT NW 1/4 + NE 1/4 SEC 29-46-2 E 10 FT LOT 24 +
04-29-126-007	0429126007	2005	4460	MATTHEW	AVE	HONONEGAH HEIGHTS 3RD ADDN IN PT NW 1/4 + NE 1/4 SEC 29-46-2 LOT 023
04-29-201-003	0429201003	2005		MATTHEW	AVE	HONONEGAH HEIGHTS 3RD ADDN IN PT NW 1/4 + NE 1/4 SEC 29-46-2 EXC E 33 FT LOT 0
04-29-126-004	0429126004	2005		MATTHEW	AVE	HONONEGAH HEIGHTS 3RD ADDN IN PT NW 1/4 + NE 1/4 SEC 29-46-2 LOT 020
04-29-126-008	0429126008	2005	4474	MATTHEW	AVE	HONONEGAH HEIGHTS 3RD ADDN IN PT NW 1/4 + NE 1/4 SEC 29-46-2 EXC E 10 FT LT LO
04-29-351-008	0429351008	2005	4045	OAT SEED	TRL	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-351-006	0429351006	2005	4005	OATSEED	TRL	PLAT NO 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 BE

Record: 39 Show: All Selected Records (1 out of 301 Selected.) Options

Start December 04 2004 ... Plume_2 - Paint « 10:57 AM

Attachment

highlite indicates
on public water
Cedar Brook Rd.

Home Monuments Operations Literature

WinGIS Property Search

Enter keyword(s) to search for properties in Winnebago County. Click on PIN Details for parcel information such as assessment and taxes. Click on the 🔍 to display a map.

Search for: cedar brook rd **in:** All Fields (default) GO

Basic	Details	Last Name	First Name	Address	Select Map
$	0429405002	HONONEGAH COMMUNITY HIGH SCHOOL DIST 207		CEDAR BROOK RD	Parcel Basic
$	0429477021	HONONEGAH COMMUNITY HIGH SCHOOL DIST 207		CEDAR BROOK RD	Parcel Basic
$	0429376010	STURGILL	POLLY	11128 CEDAR BROOK RD	Parcel Basic
$	0429376011	DEITERING	JEROME & PAMELA	11136 CEDAR BROOK RD	Parcel Basic
$	0429377009	BRUMBLE	WILLIAM D & ROSALIA	11143 CEDAR BROOK RD	Parcel Basic
$	0429376012	LOVELAND	DANIEL & PATRICIA	11152 CEDAR BROOK RD	Parcel Basic
$	0432127003	WARHURST	WILLIAM S & NANCY	11165 CEDAR BROOK RD	Parcel Basic
$	0429376009	MCGEE	ELMER & SOPHIA	11174 CEDAR BROOK RD	Parcel Basic
$	0432126001	JOHNSON	SETH & CINDY	11178 CEDAR BROOK RD	Parcel Basic
$	0432127004	QUINTANILLA	LARRY & CYNTHIA	11187 CEDAR BROOK RD	Parcel Basic
$	0432126002	ADKINS	DANIEL	11192 CEDAR BROOK RD	Parcel Basic
$	0432127005	SLAASTED	JACK & MARY ANN	11209 CEDAR BROOK RD	Parcel Basic
$	0432126003	SHELTON	T JEFFREY & TAMARA	11220 CEDAR BROOK RD	Parcel Basic
$	0432127006	POSELEY	RICHARD & OLSEN, B J	11223 CEDAR BROOK RD	Parcel Basic
$	0432126004	LANHAM	RANDALL P & SWENSON, JEANEAU	11242 CEDAR BROOK RD	Parcel Basic
$	0432203001	RAZIM	MARY	11261 CEDAR BROOK RD	Parcel Basic
$	0432126005	GENTRY	DIANA	11264 CEDAR BROOK RD	Parcel Basic
$	0432203002	LASHER	DENNIS C & MARY K	11277 CEDAR BROOK RD	Parcel Basic
$	0432201001	MILLER	BRYAN	11286 CEDAR BROOK RD	Parcel Basic
$	0432201002	HUDDLESTON	JOHN R & KELLY	11308 CEDAR BROOK RD	Parcel Basic
$	0429452001	BECKETT	RONALD T & JANICE L	11332 CEDAR BROOK RD	Parcel Basic
$	0432202002	HERRMANN	THOMAS & PLYPOO PATCHAREE	11343 CEDAR BROOK RD	Parcel Basic
$	0429452002	ERGELE	JAMES & NICOLE	11356 CEDAR BROOK RD	Parcel Basic
$	0432202003	RUSSELL	KEITH & DONNA	11367 CEDAR BROOK RD	Parcel Basic
$	0429452003	MADDOX	GUY	11374 CEDAR BROOK RD	Parcel Basic
$	0432202004	RUSSELL	JAMES & JACALYN	11385 CEDAR BROOK RD	Parcel Basic
$	0432202005	CUTLER	DANIEL	11401 CEDAR BROOK RD	Parcel Basic
$	0429453001	VAN DYKE	KEITH & DIANE	11404 CEDAR BROOK RD	Parcel Basic

$	0429454001	GOODMAN	RICHARD N & HINRICHS, CHERYL	11423	CEDAR BROOK RD	Parcel Basic
$	0429453002	JENKINS	SUSAN	11426	CEDAR BROOK RD	Parcel Basic
$	0429453003	BURT	BRADLEY A & SHARI L	11444	CEDAR BROOK RD	Parcel Basic
$	0429454002	MCCKUSKEY	PATRICK & DURHAM, MARTHA	11449	CEDAR BROOK RD	Parcel Basic
$	0429453004	STEINES	CALE P & JENNIFER L	11460	CEDAR BROOK RD	Parcel Basic
$	0429453005	MARTIN	HARLAN D & LYNNETTE D	11502	CEDAR BROOK RD	Parcel Basic
$	0429477001	JAMES	R ANDREW & MARLO J	11515	CEDAR BROOK RD	Parcel Basic
$	0429453006	LINSTEAD	DOUGLAS S & RENEE	11518	CEDAR BROOK RD	Parcel Basic
$	0429453007	RUCKER	JENNIFER	11536	CEDAR BROOK RD	Parcel Basic
$	0429477002	WEIDMAN	RICHARD & TAMARA	11541	CEDAR BROOK RD	Parcel Basic
$	0429453008	YESKE	DAVID & KATHRYN	11554	CEDAR BROOK RD	Parcel Basic
$	0429477003	HARTSHORN	DONALD W & MARY J	11569	CEDAR BROOK RD	Parcel Basic
$	0429451005	FERRARO	JASPER	11614	CEDAR BROOK RD	Parcel Basic
$	0429476004	KUCA	BRYON & NANCY	11651	CEDAR BROOK RD	Parcel Basic
$	0429427015	BROSTROM	ERIC J &	11662	CEDAR BROOK RD	Parcel Basic
$	0429476002	BRANNON	JON T & SCHEWE, CANDICE L	11693	CEDAR BROOK RD	Parcel Basic
$	0429427012	BECKER	ALISON	11708	CEDAR BROOK RD	Parcel Basic
$	0429427010	MENZIES	GARY LEE & MARILYN JEANNE	11748	CEDAR BROOK RD	Parcel Basic
$	0429327062	PARKERSON	STEVEN JEFFREY & KATHY A	4312	CEDAR BROOK RD	Parcel Basic
$	0432127007	PELLEGRINO	LAWRENCE & JILL	11245	CEDARBROOK RD	Parcel Basic
$	0429454003	LOVE	RUSSELL G & LINDA A	11463	CEDARBROOK RD	Parcel Basic
$	0429477004	WALZ	JAMES P & PATRICIA D	11617	CEDARBROOK RD	Parcel Basic
$	0429476003	QUEEN	DAVID & JOYCE	11679	CEDARBROOK RD	Parcel Basic
$	0429427013	DULIAN	JEFFERY	11688	CEDARBROOK RD	Parcel Basic
$	0429427011	BROSTROM	ERIC	11726	CEDARBROOK RD	Parcel Basic
$	0429427017	LABA	ROSEMARIE	11770	CEDARBROOK RD	Parcel Basic

54 record(s) found

WinGIS ~ 404 Elm Street ~ Rockford, IL 61101 ~ PH: 815-961-3848 ~ FAX: 815-987-1854 ~ EMAIL: info@wingis.org

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SHORT NAME LOOKUP

NAME		F	PROPERTY LOCATION		ACCOUNT #	?
EBOARD	POLLY	0	11128 CEDARBROOK RD	.00	1405110000	
EITERING	JEROME ok	0	11136 CEDARBROOK RD	.00	1405100000	
RUMBLE	WILLIAM	0	11143 CEDARBROOK RD	.00	1404940000	
OVELAND	PATI	0	11152 CEDARBROOK RD	70.68	1405090000	
ARHURST	WILLIAM ok	0	11165 CEDARBROOK RD	.00	1405040000	
ICGEE	ELMER	0	11174 CEDARBROOK RD	.00	1405120000	
OHNSON	SETH	0	11178 CEDARBROOK RD	.00	1405080000	
UINTANILLA	LARRY/CINDY	0	11187 CEDARBROOK RD	66.56	1405050000	
DKINS	DAN	0	11192 CEDARBROOK RD	.00	1405070000	
ANHAM	JEANEAU	0	11242 CEDARBROOK RD	32.86	1801690000	
ELLEGRINO	LAWRENCE	0	11245 CEDARBROOK RD	6.11	1801490000	
ONNELL	MARY	0	11261 CEDARBROOK RD	.00	1801480000	
ITHHART	DIANA	0	11264 CEDARBROOK RD	56.86	1801700000	
ILLER	BRIAN	0	11286 CEDARBROOK RD	.00	1801710000	
UDDLESTON	JOHN	0	11308 CEDARBROOK RD	.00	1801720000	
ECKETT	RONALD T.	0	11332 CEDARBROOK RD	.00	1801730000	
ERRMANN	THOMAS	0	11343 CEDARBROOK RD	.00	1801930000	

NDEX ACCOUNT, PRESS GO to display account detail on previous screen
RESS FINISH to display previous screen NEXT PAGE to display more accounts

SHORT NAME LOOKUP

NAME		F	PROPERTY LOCATION		ACCOUNT #	?
RGLE	NICOLE	0	11356 CEDARBROOK RD	.00	1801740000	
ADDOX	GUY	0	11374 CEDARBROOK RD	.00	1801750000	
USSELL	JAMES	0	11385 CEDARBROOK RD	2.58	1801910000	
UTLER	DAN	0	11401 CEDARBROOK RD	9.02-	1801900000	
RAZIER	DIANE	0	11404 CEDARBROOK RD	.00	1801760000	
INRICHS	RICHARD	0	11423 CEDARBROOK RD	.00	1801890000	
ENKINS	SUSAN E	0	11426 CEDARBROOK RD	88.23	1801770000	
URT	BRAD	0	11444 CEDARBROOK RD	.00	1801780000	
URHAM/MCCLUSKY		0	11449 CEDARBROOK RD	.00	1801880000	
TEINES	CALE OK	0	11460 CEDARBROOK RD	.00	1801790000	
OVE	RUSSELL	0	11463 CEDARBROOK RD	.00	1801870000	
ARTIN	HARLAN	0	11502 CEDARBROOK RD	.00	1801800000	
AMES	MARLO/ANDREW	0	11515 CEDARBROOK RD	.00	1801860000	
INSTEAD	DOUGLAS	0	11518 CEDARBROOK RD	.00	1801810000	
UCKER	JENNIFER	0	11536 CEDARBROOK RD	.00	1801820000	
EIDMAN	RICHARD	0	11541 CEDARBROOK RD	.00	1801850000	
ESKE	DAVID	0	11554 CEDARBROOK RD	38.95	1801830000	

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SHORT NAME LOOKUP

NAME		F	PROPERTY LOCATION		ACCOUNT #	?
ARTSHORN	DONALD	0	11569 CEDARBROOK RD	.00	1801840000	
ERRARO	JASPER	0	11614 CEDARBROOK RD	.00	1801990000	
ALZ	JAMES/PATTI	0	11617 CEDARBROOK RD	.00	1801950000	
UCA	BRYON/NANCY	0	11651 CEDARBROOK RD	.00	1801960000	
ROSTROM	ERIC	0	11662 CEDARBROOK RD	.00	1802200000	
UEEN	DAVID	0	11679 CEDARBROOK RD	4.19	1801970000	
ULIAN	JEFFERY	0	11688 CEDARBROOK RD	.00	1802210000	
RANNON	JON/CANDICE	0	11693 CEDARBROOK RD	.00	1801980000	
ECKER	ALISON	0	11708 CEDARBROOK RD	.00	1802220000	
UTTON	DIRK	0	11726 CEDARBROOK RD	36.08	1802230000	
IENZIES	GARY	0	11748 CEDARBROOK RD	5.22	1802240000	
ABA	ROSEMARIE	0	11770 CEDARBROOK RD	.00	1802250000	
ANKER	STEVEN	0	8332 CENTAUR DR	.00	0904830000	
AFT	MARK	0	8341 CENTAUR DR	.00	0904940000	
ARR	GENEVIEVE	0	8344 CENTAUR DR	.00	0904950000	
HAMBERLAIN	DAVE/MELODIE	0	8404 CENTAUR DR	.27-	0904960000	
HERLEY	LAWRENCE	0	8405 CENTAUR DR	133.10-	0905040000	

NDEX ACCOUNT, PRESS GO to display account detail on previous screen
RESS FINISH to display previous screen NEXT PAGE to display more accounts

← All of Cedar Brook Rd.
not Listed here.

See Attachment

Attributes of Evergreen_Export

GIS_PIN	DEVNET_PIN	PAR	HOUSE	STREETNAME	STREET	LEGALDESC
04-29-377-009	0429377009	2005	11143	CEDAR BROOK	RD	PLAT NO 2 EVERGREEN MANOR SUBD BNG PT OF S1/2 SEC 29 & PT N1/2 SEC 32 ALL 46-
04-29-376-009	0429376009	2005	11174	CEDAR BROOK	RD	PLAT NO 2 EVERGREEN MANOR SUBD BNG PT OF S1/2 SEC 29 & PT N1/2 SEC 32 ALL 46-
04-29-327-062	0429327062	2005	4312	CEDAR BROOK	RD	PLAT NO 2 EVERGREEN MANOR SUBD BNG PT OF S1/2 SEC 29 & PT N1/2 SEC 32 ALL 46-
04-29-201-008	0429201008	2005	12305	FRANCES	LN	BEGN SE COR LT 28 HONONEGAH HGTS 3RD ADDN TH E401.9FT S205FT W406.07FT N20
04-29-201-006	0429201006	2005	12301	FRANCES	LN	S 187.25 FT N 387.25 FT W 110 FT OF TR OF LAND E OF & ADJ HONONEGAH HGTS 3RD A
04-29-251-001	0429251001	2005	12267	FRANCES	LN	BEGN E LINE FRANCES LN 203.25FT S OF SE COR LT 28 HONONEGAH HGTS 3RD ADDN
04-29-201-004	0429201004	2005	12305	FRANCES	LN	HONONEGAH HEIGHTS 3RD ADDN IN PT NW 1/4 + NE 1/4 SEC 29-46-2 E 33 FT LOT 028
04-29-129-012	0429129012	2005	12160	FRANCES	LN	HONONEGAH HGTS 2ND ADDN SEC 29-46-2 LOT 01A
04-29-201-005	0429201005	2005	12305	FRANCES	LN	BEGN SE COR LOT 28 HONONEGAH HGTS 3RD ADDN TH E 401.90 FT N 199.96 FT W 397.
04-29-202-004	0429202004	2005	12264	FRANCES	LN	HONONEGAH HEIGHTS 3RD ADDN IN PT NW 1/4 + NE 1/4 SEC 29-46-2 LOT 040
04-29-201-007	0429201007	2005	12303	FRANCES	LN	S 187.25 FT N 387.25 FT E 110 FT W 220 FT OF TR OF LAND E OF & ADJ HONONEGAH HG
04-29-327-031	0429327031	2005	4376	GRAINERY	RD	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-327-033	0429327033	2005	4328	GRAINERY	RD	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-377-005	0429377005	2005	4351	GRAINERY	RD	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-377-008	0429377008	2005	4309	GRAINERY	RD	PLAT NO 2 EVERGREEN MANOR SUBD BNG PT OF S1/2 SEC 29 & PT N1/2 SEC 32 ALL 46-
04-29-377-007	0429377007	2005	4317	GRAINERY	RD	PLAT NO 2 EVERGREEN MANOR SUBD BNG PT OF S1/2 SEC 29 & PT N1/2 SEC 32 ALL 46-
04-29-327-032	0429327032	2005	4354	GRAINERY	RD	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-377-001	0429377001	2005	4381	GRAINERY	RD	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-377-006	0429377006	2005	4325	GRAINERY	RD	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-305-010	0429305010	2005	11868	HAYLOFT	LN	PLAT 3 OLDE FARM BNG SUB PT SW1/4 SEC 29-46-2 LOT 131
04-29-327-003	0429327003	2005	11887	HAYLOFT	LN	PLAT 3 OLDE FARM BNG SUB PT SW1/4 SEC 29-46-2 LOT 105
04-29-305-009	0429305009	2005	11890	HAYLOFT	LN	PLAT 3 OLDE FARM BNG SUB PT SW1/4 SEC 29-46-2 LOT 132
04-29-327-004	0429327004	2005	11865	HAYLOFT	LN	PLAT 3 OLDE FARM BNG SUB PT SW1/4 SEC 29-46-2 LOT 106
04-29-305-012	0429305012	2005	11828	HAYLOFT	LN	PLAT 3 OLDE FARM BNG SUB PT SW1/4 SEC 29-46-2 LOT 129
04-29-327-005	0429327005	2005	11847	HAYLOFT	LN	PLAT 3 OLDE FARM BNG SUB PT SW1/4 SEC 29-46-2 LOT 107
04-29-305-011	0429305011	2005	11850	HAYLOFT	LN	PLAT 3 OLDE FARM BNG SUB PT SW1/4 SEC 29-46-2 LOT 130
04-29-327-002	0429327002	2005	11909	HAYLOFT	LN	PLAT 3 OLDE FARM BNG SUB PT SW1/4 SEC 29-46-2 LOT 104
04-29-327-009	0429327009	2005	11775	HAYLOFT	LN	PLAT 3 OLDE FARM BNG SUB PT SW1/4 SEC 29-46-2 LOT 111
04-29-305-017	0429305017	2005	11740	HAYLOFT	LN	PLAT 3 OLDE FARM BNG SUB PT SW1/4 SEC 29-46-2 LOT 126
04-29-327-007	0429327007	2005	11803	HAYLOFT	LN	PLAT 3 OLDE FARM BNG SUB PT SW1/4 SEC 29-46-2 LOT 109
04-29-327-011	0429327011	2005	11733	HAYLOFT	LN	PLAT 3 OLDE FARM BNG SUB PT SW1/4 SEC 29-46-2 LOT 113
04-29-327-010	0429327010	2005	11761	HAYLOFT	LN	PLAT 3 OLDE FARM BNG SUB PT SW1/4 SEC 29-46-2 LOT 112
04-29-305-013	0429305013	2005	11804	HAYLOFT	LN	PLAT 3 OLDE FARM BNG SUB PT SW1/4 SEC 29-46-2 LOT 128
04-29-327-008	0429327008	2005	11793	HAYLOFT	LN	PLAT 3 OLDE FARM BNG SUB PT SW1/4 SEC 29-46-2 LOT 110
04-29-305-014	0429305014	2005	11772	HAYLOFT	LN	PLAT 3 OLDE FARM BNG SUB PT SW1/4 SEC 29-46-2 LOT 127
04-29-327-006	0429327006	2005	11821	HAYLOFT	LN	PLAT 3 OLDE FARM BNG SUB PT SW1/4 SEC 29-46-2 LOT 108
04-29-327-042	0429327042	2005	4324	HONEY LOCUST	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 019
04-29-327-045	0429327045	2005	4333	HONEY LOCUST	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 022

Record: 39 Show: All Selected Records (1 out of 301 Selected.) Options

Start December 04 2004 ... Plume_1 - Paint 10:57 AM

SHORT NAME LOOKUP

NAME		F	PROPERTY LOCATI
PATTON	DAVE *	0	4014 STRAW LN
HENDRICKSON	JAMES	0	4128 STRAW LN
BEVANS	LESLIE/JENNY	0	4156 STRAW LN
ROSENBLOOM	AARON	0	4201 STRAW LN
DAHLE	JOHN	0	4217 STRAW LN
MORRIS	LARRY	0	4235 STRAW LN
CASSADY	RICHARD	0	4238 STRAW LN
LUCAS	CHARLOTTE	0	4246 STRAW LN
LINDER	ERIC	0	4262 STRAW LN
LEE	TONY	0	4273 STRAW LN
GOODIN	TERRY G.	0	4288 STRAW LN
FLOWERS	BRIAN	0	4303 STRAW LN
ARMSTRONG	PAUL	0	4325 STRAW LN
BURKHARDT	MARK	0	4341 STRAW LN
ROSENBURG	TERRY	0	4367 STRAW LN
GOETLER	JERRY	0	4396 STRAW LN
GRAVES	TREVOR/APRIL	0	4411 STRAW LN

INDEX ACCOUNT, PRESS GO to display account detail on previ
PRESS FINISH to display previous screen NEXT PAGE to di

* Not Listed with County

SHORT NAME LOOKUP

NAME		F	PROPERTY LOCATI
MILLER	GERALD	0	4420 STRAW LN
MANCL	DAVID	0	4443 STRAW LN
ARCHAMBEAUL	BRIAN	0	4454 STRAW LN
SHERER	DENNIS	0	4472 STRAW LN
POWERS	DOUG/JODIE	0	4486 STRAW LN
TRAVIS	DALE	0	4490 STRAW LN
SWENSON	GERALD	0 *	4501 STRAW LN
BEAN	JEFFREY	0	4502 STRAW LN
LEACH	RICHARD/CHER	0	4684 STRAW LN
INACTIVE		5	5210 SUMMER HAWK RD
TUCKER	BERL	0	5211 SUMMER HAWK RD
FORSTON	RICK	0	5220 SUMMER HAWK RD
TRATNIK	JEFF	0	5221 SUMMER HAWK RD
CHIASSON	MARY	0	5231 SUMMER HAWK RD
PORTER	DAWN	0	5241 SUMMER HAWK RD
ANDERSON	ROY	0	5251 SUMMER HAWK RD
SCHLICKMAN	DAVID	0	5261 SUMMER HAWK RD

INDEX ACCOUNT, PRESS GO to display account detail on previ
PRESS FINISH to display previous screen NEXT PAGE to di

* Not Listed with Co

Attributes of Evergreen_Export

GIS_PIN	DEVNET_PIN	PAR	HOUSE	STREETNAME	STREE	LEGALDESC
04-29-351-007	0429351007	2005	4029	OATSEED	TRL	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-327-053	0429327053	2005	4361	PFISTER	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 030
04-29-327-052	0429327052	2005	4337	PFISTER	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 029
04-29-327-051	0429327051	2005	4321	PFISTER	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 028
04-29-327-048	0429327048	2005	4340	PFISTER	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 025
04-29-327-049	0429327049	2005	4328	PFISTER	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 026
04-29-327-050	0429327050	2005	4304	PFISTER	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 027
04-29-327-036	0429327036	2005	4325	STRAW	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 013
04-29-305-007	0429305007	2005	4217	STRAW	LN	PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 020
04-29-303-004	0429303004	2005	4246	STRAW	LN	PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 015
04-29-328-001	0429328001	2005	4411	STRAW	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 039
04-29-328-011	0429328011	2005	4443	STRAW	LN	PLAT 6 HONONEGAH COUNTRY ESTATES PT OF N 1/2 & PT S 1/2 SEC 29-46-2 LOT 191 B
04-29-305-008	0429305008	2005	4235	STRAW	LN	PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 019
04-29-178-007	0429178007	2005	4486	STRAW	LN	PLAT 6 HONONEGAH COUNTRY ESTATES PT OF N 1/2 & PT S 1/2 SEC 29-46-2 LOT 188
04-29-326-003	0429326003	2005	4396	STRAW	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 041
04-29-327-035	0429327035	2005	4303	STRAW	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 (EXC WLY 16.50 F
04-29-303-006	0429303006	2005	4288	STRAW	LN	PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 017
04-29-252-001	0429252001	2005	4502	STRAW	LN	PLAT 6 HONONEGAH COUNTRY ESTATES PT OF N 1/2 & PT S 1/2 SEC 29-46-2 LOT 186
04-29-327-001	0429327001	2005	4273	STRAW	LN	PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 018
04-29-303-003	0429303003	2005	4238	STRAW	LN	PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 014
04-29-326-005	0429326005	2005	4454	STRAW	LN	PLAT 6 HONONEGAH COUNTRY ESTATES PT OF N 1/2 & PT S 1/2 SEC 29-46-2 LOT 190
04-29-178-008	0429178008	2005	4490	STRAW	LN	PLAT 6 HONONEGAH COUNTRY ESTATES PT OF N 1/2 & PT S 1/2 SEC 29-46-2 LOT 187
04-29-326-006	0429326006	2005	4472	STRAW	LN	PLAT 6 HONONEGAH COUNTRY ESTATES PT OF N 1/2 & PT S 1/2 SEC 29-46-2 LOT 189
04-29-305-001	0429305001	2005	4201	STRAW	LN	PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 021
04-29-302-003	0429302003	2005	4156	STRAW	LN	PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 024
04-29-327-034	0429327034	2005		STRAW	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 WLY 16.50 FT LO
04-29-327-038	0429327038	2005	4367	STRAW	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 015
04-29-326-004	0429326004	2005	4420	STRAW	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 040
04-29-327-037	0429327037	2005	4341	STRAW	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 ALL LOT 014
04-29-303-009	0429303009	2005		STRAW	LN	PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 WLY 16.50 FT LO
04-29-303-005	0429303005	2005	4262	STRAW	LN	PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 016
04-29-302-002	0429302002	2005	4128	STRAW	LN	PLAT 4 OLDE FARM SUB PT SW1/4 SEC 29 & SE1/4 SEC 30-46-2 ELY 30 FT LOT 133 & PLA
04-32-101-006	0432101006	2005	11431	TANAWINGO	TRL	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-351-016	0429351016	2005	11528	TANAWINGO	TRL	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-32-101-005	0432101005	2005	11405	TANAWINGO	TRL	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-32-101-002	0432101002	2005	11460	TANAWINGO	TRL	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-32-101-004	0432101004	2005	11412	TANAWINGO	TRL	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-377-004	0429377004	2005	11453	TANAWINGO	TRL	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0

Record: 39 Show: All Selected Records (1 out of 301 Selected.) Options

Start December 04 2004 ... Plume_3 - Paint 10:58 AM

SHORT NAME LOOKUP

NAME		F	PROPERTY LOCA
VARNER	JACK	0	12167 WAGON LN
OFF	*	5	12172 WAGON LN
WHICKER	DAVID	0	12199 WAGON LN
BYSTROM	BRUCE	0	11530 WAIDI AVE
CUSHING	ROGER	0	11717 WAIDI AVE
MCMILLAND	JANET	0	11802 WAIDI AVE
SUNDBERG	GREG/AMY	0	11936 WAIDI AVE
JOHNSON	BEVERLY J.	0	11959 WAIDI AVE
JOHNSON	DYONNA M.	0	12009 WAIDI AVE
PAGE	MONIQUE	2	12017 WAIDI AVE
MENKE	MIKE/KIM	0	5923 WAINWRIGHT CT
BELISLE	FRANK	0	5924 WAINWRIGHT CT
ELLERTON	TODD	0	5935 WAINWRIGHT CT
BERNDT	CHRISTOPHER	0	5936 WAINWRIGHT CT
EPLING	MICHAEL	0	5951 WAINWRIGHT CT
BURKE	MARK	0	5952 WAINWRIGHT CT
STORY	IVADELLE	0	8608 WAKEFIELD DR

INDEX ACCOUNT, PRESS GO to display account detail on pre
PRESS FINISH to display previous screen NEXT PAGE to

~~*Not L~~ * Not Listed with County

SHORT NAME LOOKUP

NAME		F	PROPERTY LOCATIO
DAHM	TERENCE	0	11074 VALENTINE CT
REID	KENNETH J *	0	11091 VALENTINE CT
CAIN	DONALD	0	11098 VALENTINE CT
SMITH	THOMAS	0	11120 VALENTINE CT
MANSKE	RONALD	0	11134 VALENTINE CT
SCOTT	JEFF *	0	11139 VALENTINE CT
EYCHANER	JERRY *	0	11147 VALENTINE CT
LINDSTROM	MATTHEW	0	11148 VALENTINE CT
SNYDER	BRETT/PRINCE	2	11193 VALERIAN WAY
PETRY TRUST		0	11209 VALERIAN WAY
FULLER	TERRY	0	4234 VALERIE RD
DILLEY	DAVID	0	4245 VALERIE RD
MC NIER	JERRY	0	4256 VALERIE RD
ANDERSON	GREGORY	0	4264 VALERIE RD
BRYANT	DAN	0	4267 VALERIE RD
OAKES	DWAYNE	0	4282 VALERIE RD
SARTINO	TROY	0	1305 VAN CT

INDEX ACCOUNT, PRESS GO to display account detail on previo
PRESS FINISH to display previous screen NEXT PAGE to dis

* Not Listed with County

SHORT NAME LOOKUP

NAME		F	PROPERTY LOCATION
HANNEMANN	STEVEN	0	12031 TRESEMER RD
GRABOW	TRENT	0	12055 TRESEMER RD
AMSBAUGH	SHIRLEY	0	12067 TRESEMER RD
HAMMER	MICHAEL	0	12105 TRESEMER RD
FRANK	TIM	0	12137 TRESEMER RD
MEYERS	CURT	0	12169 TRESEMER RD
SADEWATER	FRANK	0	12205 TRESEMER RD
BARRON (NON USER)	JOHN *	1	12236 TRESEMER RD
BRANSKY	NORMAN	0	12245 TRESEMER RD
LOWERY	PHILLIP	0	12263 TRESEMER RD
PAUTSCH	DUANE	0	12289 TRESEMER RD
NOSTALGIA LANE INC		0	1115 TURRET DR
NOSTALIGA LANE		0	1117 TURRET DR
ROCKFORD AIR DEVICES		0	1201 TURRET DR
ENVIROVAC		0	1260 TURRET DR
FRITO-LAYSALES & DIS	43968-C	0	1269 TURRET DR
BUNGER HEATING & COO		0	1272 TURRET DR

INDEX ACCOUNT, PRESS GO to display account detail on previou
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Attributes of Evergreen_Export

GIS_PIN	DEVNET_PIN	PAR	HOUSE	STREETNAME	STREE	LEGALDESC
04-32-101-001	0432101001	2005	11506	TANAWINGO	TRL	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-351-013	0429351013	2005	11570	TANAWINGO	TRL	PLAT NO 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46- 2 BE
04-32-101-003	0432101003	2005	11438	TANAWINGO	TRL	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-377-003	0429377003	2005	11503	TANAWINGO	TRL	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-351-014	0429351014	2005	11558	TANAWINGO	TR	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-377-002	0429377002	2005	11535	TANAWINGO	TRL	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-351-015	0429351015	2005	11542	TANAWINGO	TRL	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-154-003	0429154003	2005	12031	TRESEMER	RD	PLAT 5 TRESEMER SUB IN PT NW 1/4 SEC 29 & PT NE 1/4 SEC 30-46-2 LOT 119
04-29-176-004	0429176004	2005	12205	TRESEMER	RD	PLAT OF TRESEMER SUB IN PT NW 1/4 SEC 29 & PT NE 1/4 SEC 30-46-2 EXC N 50 FT ALL
04-29-154-008	0429154008	2005	12169	TRESEMER	RD	PLAT 5 TRESEMER SUB IN PT NW 1/4 SEC 29 & PT NE 1/4 SEC 30-46-2 LOT 114
04-29-176-002	0429176002	2005	12263	TRESEMER	RD	PLAT OF TRESEMER SUB IN PT NW 1/4 SEC 29 & PT NE 1/4 SEC 30-46-2 LOT 002
04-29-154-004	0429154004	2005	12055	TRESEMER	RD	PLAT 5 TRESEMER SUB IN PT NW 1/4 SEC 29 & PT NE 1/4 SEC 30-46-2 LOT 118
04-29-154-006	0429154006	2005	12105	TRESEMER	RD	PLAT 5 TRESEMER SUB IN PT NW 1/4 SEC 29 & PT NE 1/4 SEC 30-46-2 LOT 116
04-29-154-007	0429154007	2005	12137	TRESEMER	RD	PLAT 5 TRESEMER SUB IN PT NW 1/4 SEC 29 & PT NE 1/4 SEC 30-46-2 LOT 115
04-29-176-005	0429176005	2005	12205	TRESEMER	RD	PLAT OF TRESEMER SUB IN PT NW 1/4 SEC 29 & PT NE 1/4 SEC 30-46-2 LOT 005
04-29-176-003	0429176003	2005	12245	TRESEMER	RD	PLAT OF TRESEMER SUB IN PT NW 1/4 SEC 29 & PT NE 1/4 SEC 30-46-2 LOT 3 & N 50 FT
04-29-154-005	0429154005	2005	12067	TRESEMER	RD	PLAT 5 TRESEMER SUB IN PT NW 1/4 SEC 29 & PT NE 1/4 SEC 30-46-2 LOT 117
04-29-176-001	0429176001	2005	12289	TRESEMER	RD	PLAT OF TRESEMER SUB IN PT NW 1/4 SEC 29 & PT NE 1/4 SEC 30-46-2 LOT 001
04-29-303-007	0429303007	2005		UNASSIGNED		PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 WLY 16.50 FT OF
04-29-177-020	0429177020	2005		UNASSIGNED		PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 THAT PT OF NW
04-29-177-018	0429177018	2005		UNASSIGNED		PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 THAT PT OF THE
04-29-177-014	0429177014	2005		UNASSIGNED		PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 THAT PT OF NW
04-29-177-024	0429177024	2005		UNASSIGNED		PLAT OF EVERGREEN MANOR SUB IN PT N1/2 & PT SW1/4 SEC 29-46-2 THAT PT OF THE
04-32-101-008	0432101008	2005	11120	VALENTINE	CT	PLAT NO 2 EVERGREEN MANOR SUBD BNG PT OF S1/2 SEC 29 & PT N1/2 SEC 32 ALL 46-
04-32-101-007	0432101007	2005	11134	VALENTINE	CT	PLAT NO 2 EVERGREEN MANOR SUBD BNG PT OF S1/2 SEC 29 & PT N1/2 SEC 32 ALL 46-
04-32-127-009	0432127009	2005	11074	VALENTINE	CT	PLAT NO 2 EVERGREEN MANOR SUBD BNG PT OF S1/2 SEC 29 & PT N1/2 SEC 32 ALL 46-
04-29-377-010	0429377010	2005	11148	VALENTINE	CT	PLAT NO 2 EVERGREEN MANOR SUBD BNG PT OF S1/2 SEC 29 & PT N1/2 SEC 32 ALL 46-
04-32-127-008	0432127008	2005	11098	VALENTINE	CT	PLAT NO 2 EVERGREEN MANOR SUBD BNG PT OF S1/2 SEC 29 & PT N1/2 SEC 32 ALL 46-
04-29-154-010	0429154010	2005	4267	VALERIE	RD	PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 032
04-29-154-009	0429154009	2005	4245	VALERIE	RD	PLAT OF TRESEMER SUB IN PT NW 1/4 SEC 29 & PT NE 1/4 SEC 30-46-2 LOT 033
04-29-176-011	0429176011	2005	4264	VALERIE	DR	PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 033
04-29-176-010	0429176010	2005	4256	VALERIE	RD	PLAT OF TRESEMER SUB IN PT NW 1/4 SEC 29 & PT NE 1/4 SEC 30-46-2 LOT 007
04-29-176-012	0429176012	2005	4282	VALERIE	RD	PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 034
04-29-176-009	0429176009	2005	4234	VALERIE	RD	PLAT OF TRESEMER SUB IN PT NW 1/4 SEC 29 & PT NE 1/4 SEC 30-46-2 LOT 006
04-29-327-024	0429327024	2005	11629	WAGON	LN	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-305-006	0429305006	2005	11801	WAGON	LN	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-305-004	0429305004	2005	11845	WAGON	LN	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-304-017	0429304017	2005	11910	WAGON	LN	PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 022

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Attributes of Evergreen_Export

GIS_PIN	DEVNET_PIN	PAR	HOUSE	HS	STREETNAME	STREE	HD	LEGALDESC
04-29-176-013	0429176013	2005	12128		WAGON	LN		PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 035
04-29-304-018	0429304018	2005	11892		WAGON	LN		PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 1
04-29-351-011	0429351011	2005	11530		WAGON	LN		PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-304-030	0429304030	2005	11636		WAGON	LN		PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-303-001	0429303001	2005	11975		WAGON	LN		PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 012
04-29-154-012	0429154012	2005	12008		WAGON	LN		PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 027
04-29-177-002	0429177002	2005	12031		WAGON	LN		PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 010
04-29-327-023	0429327023	2005	11679		WAGON	LN		PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-304-031	0429304031	2005	11612		WAGON	LN		PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-327-030	0429327030	2005	11501		WAGON	LN		PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-302-004	0429302004	2005	11966		WAGON	LN		PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 025
04-29-177-006	0429177006	2005	12103		WAGON	LN		PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 006
04-29-327-029	0429327029	2005	11525		WAGON	LN		PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-154-015	0429154015	2005	12068		WAGON	LN		PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 030
04-29-304-020	0429304020	2005	11856		WAGON	LN		PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 1
04-29-303-002	0429303002	2005	11943		WAGON	LN		PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 013
04-29-177-009	0429177009	2005	12167		WAGON	LN		PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 003
04-29-304-024	0429304024	2005	11758		WAGON	LN		PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-304-029	0429304029	2005	11652		WAGON	LN		PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-304-023	0429304023	2005	11790		WAGON	LN		PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-304-019	0429304019	2005	11874		WAGON	LN		PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 1
04-29-177-001	0429177001	2005	12007		WAGON	LN		PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 011
04-29-304-027	0429304027	2005	11708		WAGON	LN		PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-154-013	0429154013	2005	12030		WAGON	LN		PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 028
04-29-327-028	0429327028	2005	11549		WAGON	LN		PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-351-009	0429351009	2005	11568		WAGON	LN		PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-177-007	0429177007	2005	12119		WAGON	LN		PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 005
04-29-304-028	0429304028	2005	11670		WAGON	LN		PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-304-025	0429304025	2005	11740		WAGON	LN		PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-154-014	0429154014	2005	12048		WAGON	LN		PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 029
04-29-177-026	0429177026	2005	12091		WAGON	LN	F	OLDE FARM SUB NO 1 PT W ½ SEC 29-46-2 LT 7 ALSO EVERGREEN MANOR SUB PT N ½
04-29-351-010	0429351010	2005	11546		WAGON	LN		PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-304-022	0429304022	2005	11818		WAGON	LN		PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-305-003	0429305003	2005	11869		WAGON	LN		PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-305-005	0429305005	2005	11823		WAGON	LN		PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-351-012	0429351012	2005	11512		WAGON	LN		PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-305-002	0429305002	2005	11885		WAGON	LN		PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-154-016	0429154016	2005	12088		WAGON	LN		PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 031

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Attributes of Evergreen_Export

GIS_PIN	DEVNET_PIN	PAR	HOUSE	STREETNAME	STREET	LEGALDESC
04-29-351-012	0429351012	2005	11512	WAGON	LN	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-305-002	0429305002	2005	11885	WAGON	LN	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-154-016	0429154016	2005	12088	WAGON	LN	PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 031
04-29-177-008	0429177008	2005	12145	WAGON	LN	PLAT 1 OLDE FARM SUB PT W1/2 SEC 29-46-2 THAT PT OF NWLY 16.50 FT OF LOTS 4 &
04-29-304-021	0429304021	2005	11834	WAGON	LN	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 1
04-29-327-026	0429327026	2005	11593	WAGON	LN	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-304-026	0429304026	2005	11726	WAGON	LN	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-177-003	0429177003	2005	12053	WAGON	LN	PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 009
04-29-305-015	0429305015	2005	11781	WAGON	LN	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-327-027	0429327027	2005	11511	WAGON	LN	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-154-011	0429154011	2005	11990	WAGON	LN	PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 026
04-29-177-004	0429177004	2005	12075	WAGON	LN	PLAT 1 OLDE FARM SUB PT W 1/2 SEC 29-46-2 LOT 008
04-29-177-010	0429177010	2005	12199	WAGON	LN	NWLY 16.50 FT LOTS 1 & 2 OF EVERGREEN MANOR SUB IN PT N 1/2 & PT SW 1/4 SEC 29
04-29-327-025	0429327025	2005	11603	WAGON	LN	PLAT 2 OLDE FARM SUB PT NW 1/4 SEC 32 & SW 1/4 SEC 29 & SE 1/4 SEC 30-46-2 LOT 0
04-29-403-010	0429403010	2005	11955	WINCHESTER	LN	PLAT 6 HONONEGAH COUNTRY ESTATES PT N 1/2 & PT S 1/2 SEC 29-46-2 LOT 206
04-29-128-010	0429128010	2005	4390	WOODCLIFF	LN	WOODBURY RIDGE SUB NO 1 PT N 1/2 SEC 29-46-2 LOT 22
04-29-126-011	0429126011	2005	4421	WOODCLIFF	LN	WOODBURY RIDGE SUB NO 1 PT N 1/2 SEC 29-46-2 LOT 12
04-29-128-011	0429128011	2005	4414	WOODCLIFF	LN	WOODBURY RIDGE SUB NO 1 PT N 1/2 SEC 29-46-2 LOT 23
04-29-126-013	0429126013	2005	4383	WOODCLIFF	LN	WOODBURY RIDGE SUB NO 1 PT N 1/2 SEC 29-46-2 LOT 14
04-29-126-015	0429126015	2005	4367	WOODCLIFF	LN	WOODBURY RIDGE SUB NO 1 PT N 1/2 SEC 29-46-2 LOT 16
04-29-128-005	0429128005	2005	4359	WOODCLIFF	LN	WOODBURY RIDGE SUB NO 1 PT N 1/2 SEC 29-46-2 LOT 17
04-29-126-012	0429126012	2005	4409	WOODCLIFF	LN	WOODBURY RIDGE SUB NO 1 PT N 1/2 SEC 29-46-2 LOT 13
04-29-126-014	0429126014	2005	4371	WOODCLIFF	LN	WOODBURY RIDGE SUB NO 1 PT N 1/2 SEC 29-46-2 LOT 15
04-29-201-019	0429201019	2005	4527	WOODCREST	LN	WOODBURY RIDGE SUB NO 2 PT N 1/2 SEC 29-46-2 LOT 42
04-29-130-005	0429130005	2005	4484	WOODCREST	LN	WOODBURY RIDGE SUB NO 2 PT N 1/2 SEC 29-46-2 LOT 51
04-29-201-016	0429201016	2005	4581	WOODCREST	LN	WOODBURY RIDGE SUB NO 2 PT N 1/2 SEC 29-46-2 LOT 39
04-29-201-020	0429201020	2005	4513	WOODCREST	LN	WOODBURY RIDGE SUB NO 2 PT N 1/2 SEC 29-46-2 LOT 43
04-29-130-004	0429130004	2005	12425	WOODCREST	LN	WOODBURY RIDGE SUB NO 1 PT N 1/2 SEC 29-46-2 LOT 50
04-29-126-016	0429126016	2005	12430	WOODCREST	LN	WOODBURY RIDGE SUB NO 2 PT N 1/2 SEC 29-46-2 LOT 49
04-29-201-017	0429201017	2005	4565	WOODCREST	LN	WOODBURY RIDGE SUB NO 2 PT N 1/2 SEC 29-46-2 LOT 40
04-29-126-019	0429126019	2005	4473	WOODCREST	LN	WOODBURY RIDGE SUB NO 2 PT N 1/2 SEC 29-46-2 LOT 46
04-29-126-021	0429126021	2005	4505	WOODCREST	LN	WOODBURY RIDGE SUB NO 2 PT N 1/2 SEC 29-46-2 LOT 44
04-29-126-018	0429126018	2005	4457	WOODCREST	LN	WOODBURY RIDGE SUB NO 2 PT N 1/2 SEC 29-46-2 LOT 47
04-29-130-001	0429130001	2005	12441	WOODCREST	LN	WOODBURY RIDGE SUB NO 1 PT N 1/2 SEC 29-46-2 LOT 11
04-29-126-020	0429126020	2005	4491	WOODCREST	LN	WOODBURY RIDGE SUB NO 2 PT N 1/2 SEC 29-46-2 LOT 45
04-29-126-017	0429126017	2005	12422	WOODCREST	LN	WOODBURY RIDGE SUB NO 2 PT N 1/2 SEC 29-46-2 LOT 48
04-29-201-018	0429201018	2005	4549	WOODCREST	LN	WOODBURY RIDGE SUB NO 2 PT N 1/2 SEC 29-46-2 LOT 41
04-29-130-006	0429130006	2005	4502	WOODCREST	LN	WOODBURY RIDGE SUB NO 2 PT N 1/2 SEC 29-46-2 LOT 52

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Winnebago County Health Department

324891

Promoting a Safer and Healthier Community Since 1854

J. Maichle Bacon M.P.H., R.S.
Public Health Administrator

October 19, 2005

Ken Dewal
Conestoga-Rovers & Assoc.
8615 W. Bryn Mawr Avenue
Chicago, IL 60631

RE: Evergreen Manor Subdivision Well Sealings

Dear Mr. Dewal:

I am sending you a list of well sealings completed in 2000 in the Evergreen Manor Subdivision.

Unfortunately, I was not able to find the well sealing reports, but found the list of wells sealed, with their dates, in the notebook kept by the Well/Septic Clerk for record keeping.

I hope that this will be helpful. Please contact me if you have further questions.

Sincerely,

Ruth Roth

Ruth Roth, L.E.H.P.
Groundwater Coordinator

2000

WELL SEALING LOG						
Sanit	Address	Contractor	Date Sealed	Size Of Well	Length Of Casing	Affidav Date
	Mathew 4408	C. Martin	9/7	4"	UK	9/7
	" 4489	" "	" "	"	59'	" "
	Rollingford 4535	" "	9/15	5"	58'	9/15
	Valentine 11091	" "	9/15	5"	70'	9/15
	" 11139	" "	9/7	5"	69'	9/7
	Valentine 11147	" "	9/7	5"	63'	9/7
	WINCHESTER 11868	" "	9/15	5"	64'	9/15
	" 11896	" "	9/15	5"	68'	9/15
	" 11914	" "	9/15	5"	67'	9/15
	" 11923	" "	" "	5	58'	" "
	E State St 7801 #1	Olson Well	9/8	8"	525'	9/8
	E. State St 7801 #2	" "	9/8	8"	83'	9/8
	Cedarville Rd 10216	" "	9/21	6"	138	9/21
SW	1062 Franklin	Richard Sammel	10/12	1¼"	33'	10/12
	3516 W. Preston	Ace Pump & well	10/5	6"	98'	10/5
	3330 9th St.	Thomas Carlton	10/4	2"	25'	10/4
SS	210 Woodrow	Ace Pump & Well Drilling	10/25	6"	70'	10/25
SS	210 S. Springfield	Don Dawes	10/27	5"	199'	10/27
SS	416 " "	" "	" "	6"	275'	" "
SS	418 " "	" "	10/26	6"	114'	10/26
SS	216 " "	" "	" "	5"	73'	" "
SS	4032 S. Delaware	" "	10/26	6"	205'	" "
SS	1522 S. Springfield	" "	10/26	"	76'	" "
SS	630 " "	" "	" "	"	125'	" "
SS	311 McLane	" "	10/25	"	150'	11/25
SS	107 McLane	" "	" "	"	118'	11/25
SS	4004 W. State St.	" "	9/21	"	130'	9/21

2000

WELL SEALING LOG

Sanit	Address	Contractor	Date Sealed	Size Of Well	Length Of Casing	Affidav Date
TM	RIVERSIDE E. 5301	J+J Hinkle	9/6	6"	170'	9/6
SW	LATHAM RD 1339	Rosenquist	8/21	6" 2" DRIVEN	60'	8/21
	2nd St 8025	Ron Bridges	7/22	2"	25'	7/22
	Edgemere 5053	Bloyer well & pump	8/4	6"	300'	8/4
TM	LINVIEW DR 4820	Bloyer well	4/25	6"	91'	4/25
	Bell School Rd 1549-1587	Olson well	9/7	6"	210'	9/7
	Edwardsville Rd 9151	Allabough Well Co	9/10	6"	60'	9/10
	Cedarbrook 11136	C. Marton	9/9	5"	67'	9/9
	Beecher Dr. 12385	" "	" "	4"	64'	9/9
	" " 12231	" "	9/7	5"	71'	9/7
	Bend River 11520	" "	9/7	"	63'	" "
	" " 11504	" "	" "	4"	62'	" "
	Cedarbrook 11178	" "	9/15	5"	60'	9/15
	" " 11152	" "	" "	"	"	" "
	" " 11128	" "	" "	"	77'	" "
	" " 11187	" "	" "	"	70'	" "
	" " 11165	" "	" "	"	75'	" "
	Francis 12303	" "	9/7	4"	58'	9/7
	Francis 12305	" "	" "	"	64'	" "
	" 12264	" "	" "	5"	62'	" "
	Hononegah #1 4342	" "	9/9	1.5"	42'	9/9
	#2 " 4342	" "	9/9	4"	60'	9/9
	" 4330	" "	9/7	4"	UK	9/7
	Jennifer 4435	" "	9/15	5"	60'	9/15
	Leash 4413	" "	9/15	5"	60'	9/15
	Leash 4435	" "	9/15	5"	73'	9/15
	" 4428	" "	" "	5"	68'	" "

2000

WELL SEALING LOG						
Sanit	Address	Contractor	Date Sealed	Size Of Well	Length Of Casing	Affidav Date
	Adele 4369	C. Martin	8/31	4"	61'	8/31
	" 4428	" "	9/1	"	72'	9/1
	Cedarbrook 11492	" "	9/1	5"	73'	" "
	Francis 12301	" "	8/16	4"	70'	8/16
	" 12160	" "	9/1	"	61'	9/1
	Mathew 4566	" "	8/18	"	71'	8/18
	" 4539	" "	" "	6"	64'	" "
	Bercrest 4509	" "	" "	4"	70'	" "
	Mathew 4460	" "	8/16	5"	69'	" "
	Mathew 4474	" "	" "	"	72'	" "
	Bend River 11542	" "	" "	"	67'	" "
	Tanawingo 11453	" "	" "	"	63'	" "
	" 11412	" "	" "	"	65'	" "
	Hononeyah 4352	" "	9/1	"	85'	9/1
	Hononeyah 4420	" "	" "	4"	56'	" "
	" 4434	" "	" "	5"	65'	" "
	" 4402	" "	" "	4"	75'	" "
	" 4483	" "	8/31	5"	66'	" "
	" 4444	" "	" "	4"	65'	" "
	" 4318	" "	" "	4"	65'	" "
	" 4325	" "	8/24	5"	66'	8/24
	" 4337	" "	8/18	5"	64'	8/18
	Tresemer 4248	Cir. Bloyer	9/8	5"	67'	9/8
	" 4225 "	"	9/8	5"	67'	9/8
SS	Lincoln Park Blvd 307	ABC Well + Pump	9/6	5"	96'	9/6
	2nd St. 11123	Bloyer	9/1	5"	42'	9/1
TM	Bell School Rd 1549	Olson	9/7	6"	210'	9/7

2000

WELL SEALING LOG

Sanit	Address	Contractor	Date Sealed	Size Of Well	Length Of Casing	Affidav Date
SW	Blue Spruce 12017	C. Martin	8/9	5	59'	8/9
	" 12031	" "	8/4	5	63'	8/4
	" 11975	" "	8/3	5	65'	8/3
	Tresemer 12289	" "	8/3	4	64'	8/3
	" 12263	" "	8/3	5	64'	" "
	" 12245	" "	" "	"	62'	" "
	" 12105	" "	" "	"	"	" "
	" 12137	" "	8/4	"	70'	8/4
	" 12067	" "	" "	"	60'	" "
	Bend River 11602	" "	8/7	5	71'	8/7
	Wagon LN 12172	" "	8/9	5	65'	8/9
	" " 12008	" "	8/3	"	62'	8/3
	" 12145	" "	8/3	"	65'	8/3
	Main St. 11765	Bloyer well	8/14	6	89'	8/14
SW	Latham Rd 1339	Rosenquist & Son	8/21	6"	60'	8/21
	2nd St. 8025	Ron Budger	7/22	2"	25'	7/22
	Edgemere 5053	Bloyer well	8/4	6"	300'	8/4
SW	Adele 4483		8/12			8/12
SW	Tampa 812		6/13			6/13
	Linden 4820	Bloyer Well	4/25	6"	91'	4/25
	Adele 4403	C. Martin	8/16	4"	59'	8/16
	" 4427	" "	8/24	4"	67'	8/24
	Adele 4440	" "	8/24	4"	64'	8/24
	Adele 4478	" "	8/24	4"	63'	8/24
	" 4460	" "	8/31	4"	61'	8/31
	" 4357	" "	" "	5	"	" "
	" 4345	" "	" "	"	"	" "

2000

WELL SEALING LOG						
Sanit	Address	Contractor	Date Sealed	Size Of Well	Length Of Casing	Affidav Date
SW	Balsa LN 11807	Charles Martin	4/14	5	63'	4/14
	" " 11785	" "	" "	5	65'	" "
	" " 11695	" "	" "	5	60'	" "
	Phister 4304	" "	4/28	5	64'	4/28
	" 4328	" "	" "	"	63'	" "
	Honey locust LN 4317	" "	4/21	"	58'	4/21
	" " " 4324	" "	" "	"	63'	" "
	Manchester Rd 16160	Bloyer well	7-27	4"	33'	7/27
	Second St 11105	Bloyer well	8-2	4"	43'	8/2
SW	Adele 4415	C-Martin	8/10	4"	64'	8/10
	" 4481	" "	" "	"	69'	" "
	" 4445	" "	" "	5	105'	" "
	" 4463	" "	" "	4	65'	" "
	" 4410	" "	8/11	4	68'	" "
	mathew 4567	" "	8/11	4	73'	" "
	" 4463	" "	8/10	4	64'	" "
	Hononegah 4390	" "	" "	6	78'	" "
	" 4366	" "	" "	4	70'	" "
	" 4355	" "	" "	4	36'	" "
	Valerie 4267	" "	8/4	5	63'	8/4
	" 4264	" "	8/11	5	65'	8/11
	Francis 12267	" "	8/11	4	63'	8/11
	Tanawanda 11542	" "	8/9	5	60'	8/9
	" 11528	" "	8/9	4	71'	8/9
	" 11558	" "	8/4	5	80'	8/4
	" 11460	" "	" "	5	68'	" "
	" 11506	" "	" "	5	66'	" "

2000

WELL SEALING LOG						
Sanit	Address	Contractor	Date Sealed	Size Of Well	Length Of Casing	Affidav Date
SW	Hayloft 11821	C. Martin	5/19	5	69'	5/19
	" 11803	" "	" "	5	68'	" "
	" 11775	" "	" "	5	73'	" "
	" 11887	" "	" "	5	65'	" "
	Buggy whip 4156	" "	" "	5	62'	" "
	Hayloft 11889	" "	" "	5	64'	" "
	" 11740	" "	" "	5	66'	" "
	" 11865	" "	" "	5	63'	" "
	" 11847	" "	5/12	5	64'	5/12
	" 11772	" "	" "	5	65'	" "
	" 11850	" "	4/28	5	67'	4/28
	Buggy whip 4257	" "	5/19	5	65'	5/19
	Buggy whip 4279	" "	5/25	5	61'	5/25
	" 4175	" "	5/19	5	61'	5/19
	" 4254	" "	5/12	5	62'	5/12
	" 4272	" "	5/12	5	64'	5/12
	" 4295	" "	" "	5	63'	" "
	" 4232	" "	" "	5	64'	" "
	" 4201	" "	5/04	5	63'	5/4
	" 4290	" "	" "	5	62'	" "
	" 4237	" "	" "	5	65'	" "
	" 4217	" "	" "	5	62'	" "
	Balsa LN 11892	" "	4/28	5	69'	4/28
	" 11825 "	" "	4/21	5	63'	4/21
	" 11732 "	" "	4/"	5	60'	" "
	" 11731 "	" "	" "	5	68'	" "
	" 11867 "	" "	4/14	5	58'	4/14

2000

WELL SEALING LOG

Sanit	Address	Contractor	Date Sealed	Size Of Well	Length Of Casing	Affidav Date
SW	Straw Ln. 4396	C. Martin	4/28	5	62'	4/28
	" " 4502	" "	" "	5	68'	4/28
	" " 4156	" "	" "	5	65'	" "
	" " 4217	" "	" "	5	64'	" "
	" " 4420	" "	" "	5	63'	" "
	" " 4454	" "	" "	5	68'	" "
	" " 4443	" "	" "	5	65'	" "
	" " 4472	" "	4/21	5	67'	4/21
	" " 4411	" "	" "	5	63'	" "
	" " 4238	" "	" "	5	61'	" "
	" " 4490	" "	" "	5	61'	" "
	" " 4486	" "	" "	5	63'	" "
	" " 4273	" "	4/14	5	66'	4/14
	" " 4246	" "	" "	5	65'	" "
	Hayloft 11733	" "	5/25	5	64'	5/25
	Grainey 4317	" "	6/2	5	67'	6/2
	" 4376	" "	" "	5	61'	" "
	Tanamango 11405	" "	" "	5	60'	" "
	Wagon Ln 11549	" "	" "	5	63'	" "
	Wagon Ln 12007	" "	" "	5	61'	" "
	" 12128	" "	5/25	5	64'	5/25
	" 11708	" "	5/12	5	63'	5/12
	" " 11790	" "	" "	"	61'	" "
	" " 11818	" "	" "	"	66'	" "
	Hayloft 11890	" "	6/2	"	63'	6/2
	" " 11761	" "	" "	"	64'	" "
	" 11828	" "	5/25	"	63'	5/25

2000

WELL SEALING LOG

Sanit	Address	Contractor	Date Sealed	Size Of Well	Length Of Casing	Affidav Date
SW	Balsa LN 11818	C. Martin	4/6	4"	66'	4/6
	Balsa LN 11617	" "	3/30	5"	65'	3/30
	Honey locust 4333	" "	4/5	5"	65'	4/5
	Seeash 4381	" "	3/27	"	60'	3/27
	Straw Lane 4288	" "	6/23	5	61'6"	6/23
	WAGON LN 11885	" "	6/9	5	64'	6/9
	" " 11636	" "	" "	"	63'	" "
	" " 11603	" "	" "	"	64'	" "
	" " 11593	" "	" "	"	61'	" "
	" " 11511	" "	" "	"	65'	" "
	" " 11501	" "	" "	"	57'	" "
	Cedar Brook 11143	" "	" "	4	63'	" "
	Valentine Ct. 11148	" "	" "	5	75'	" "
	" " 11098	" "	" "	5	70'	" "
	Cedar Brook 11174	" "	" "	5	59'	" "
	Seeash 4386	" "	4/29	5	60'	4/29
	Straw LN. 4235	" "	6/9	5	65'	6/9
	" " 4201	" "	5/5	5	63'	5/5
	" " 4341	" "	5/4	5	53'	5/4
	" " 4501	" "	5/4	5	69'	5/4
	" " 4128	" "	5/4	"	61'	" "
	" " 4303	" "	" "	"	65'	" "
	" " 4325	" "	" "	"	62'	" "
	Granery 4328	" "	6/2	"	63'	6/2
	" 4309	" "	5/5	"	59'	5/5
	STRAW LN 4262	" "	5/25	"	65'	5/25
	" 4367	" "	4/28	"	53'	4/28

2000

WELL SEALING LOG						
Sanit	Address	Contractor	Date Sealed	Size Of Well	Length Of Casing	Affidav Date
SW	WINCHESTER 11955	C. Martin	7/14	5"	67'	7/14
	Grainery 4351	" "	6/23	5"	63'	6/23
	Grainery 4325	" "	" "	5"	62'	" "
	" 4354	" "	7/6	5"	51'	7/6
	" 4381	" "	6/23	5"	63'	6/23
	" 4312	" "	3/27	4"	65'	3/27
	Hayloft Ct 11868	" "	6/29	5"	60'	6/29
	" " 11793	" "	6/23	5"	65'	6/23
	" " 11804	" "	" "	5	63'	6/23
	Valentine 11134	" "	" "	5"	69'	6/23
	" " 11074	" "	6/23	5"	64'	6/23
	" 11120	" "	" "	"	58'	" "
	Hoey Focus 4302	" "	4/6	"	65'	4/6
	" " 4338	" "	" "	"	66'	" "
	Phister 4340	" "	3/30	4"	"	3/30
	" 4321	" "	" "	5"	64'	3/30
	Phister 4361	" "	" "	"	53'	" "
	" 4327	" "	" "	"	67'	" "
	Balsa LN 11555	" "	3/31	"	60'	3/31
	" " 11708	" "	3/30	"	60'	3/30
	" " 11654	" "	3/30	"	68'	3/30
	" " 11686	" "	3/30	"	60'	3/30
	" " 11763	" "	3/31	"	72'	3/31
	" " 11780	" "	4/5	"	63'	4/5
	" " 11864	" "	4/6	"	65'	4/6
	" " 11849	" "	" "	"	62'	" "
	" " 11889	" "	" "	"	63'	" "

2000

WELL SEALING LOG						
Sanit	Address	Contractor	Date Sealed	Size Of Well	Length Of Casing	Affidav Date
SW	Valerie 4245	C. Martin " "	7/28	5"	65'	7/28
	Tresemed 12169	" "	6/30	5"	63'	6/30
	" 12205	" "	7/28	"	"	7/28
	" 12055	" "	" "	"	71'	" "
	" 12031	" "	" "	"	70'	" "
	Blue Spruce 12118	" "	7/21	"	65'	7/21
	" " 12146	" "	" "	"	66'	" "
	" " 12075	" "	" "	"	63'	" "
	" " 12102	" "	" "	"	65'	" "
	" " 12022	" "	7/28	"	65'	7/28
	" " 12004	" "	7/26	"	60'	7/26
	" " 12044	" "	" "	"	60'	" "
	" " 12062	" "	" "	"	50'	" "
	" " 11974	" "	7/20	"	50'	7/20
	" " 12053	" "	" "	"	65'	" "
	" " 12091	" "	" "	"	63'	" "
	" " 12080	" "	" "	"	64'	" "
	" " 11990	" "	" "	"	58'	" "
	" " 11952	" "	" "	"	64'	" "
	Oatseed 4045	" "	6/29	"	63'	6/29
	" " 4029	" "	7/26	"	58'	7/26
	" " 4005	" "	7/21	"	61'	7/21
	Tanawingo 11535	" "	6/23	"	63'	6/23
	" 11570	" "	6/29	"	55'	6/29
	Tanawingo 11438	" "	7/21	"	64'	7/21
	Tanawingo 11503	" "	7/14	"	64'	7/14
	" 11431	" "	7/14	"	59'	7/14

2000

WELL SEALING LOG

Sanit	Address	Contractor	Date Sealed	Size Of Well	Length Of Casing	Affidav Date
SW	WAGON LN 11670	C-Martin	7-7	5"	62'	7-7
	" " 11726	" "	7-7	5"	65'	" "
	" " 11758	" "	7/14	5"	66'	7/14
	" " 11740	" "	" "	"	64'	" "
	" " 11845	" "	" "	"	65'	" "
	" " 11834	" "	" "	"	64'	" "
	" " 12053	" "	7/21	"	63'	7/21
	" " 11990	" "	" "	"	64'	" "
	" " 12030	" "	" "	"	63'	" "
	" " 12048	" "	" "	"	64'	" "
	" " 11966	" "	" "	"	63'	" "
	" " 12068	" "	7/26	"	63'	7/26
	" " 12091	" "	" "	"	66'	" "
	" " 12103	" "	" "	"	64'	" "
	" " 11975	" "	" "	"	64'	" "
	" " 12031	" "	" "	"	66'	" "
	" " 12075	" "	" "	"	65'	" "
	" " 12167	" "	" "	"	66'	" "
	Bend River Rd 11624	" "	7/10	"	64'	7/10
	" " " 11537	" "	7/14	"	65'	7/14
	" " " 11569	" "	7/14	"	65'	7/14
	" " " 11595	" "	7/14	"	64'	" "
	" " " 11584	" "	7/28	"	65'	7/28
	" " " 11562	" "	7/28	"	64'	7/28
	Valerie 4234	" "	7/26	"	61'	7/26
	Valerie 4256	" "	7/28	"	66'	7/28
	Valerie 4282	" "	7/28	"	67'	7/28

2000

WELL SEALING LOG						
Sanit	Address	Contractor	Date Sealed	Size Of Well	Length Of Casing	Affidav Date
TM	Bowen PKWY 11627	C. Martin Sons	7/27	5"	220'	7/27
	School St 4317	Bloyer	7/26	4"	160'	7/26
	Dorr Rd 13990	Jessie Beam	5/12	5"	45'	5/12
	McCurry Rd 5582	Phil Adkins	6/30	4"	50'	6/30
	Ventura Blvd 17807	Sean Butler	6/27	—	—	6/27
SW	Stewart Rd 5243	Bloyer	3/20	6"	122	3/20
	WAGON LN	C. Martin	7/26	5"	63'	7/26
	" " 12119	" "	7/28	5"	63'	7/28
	" " 12088	" "	7/28	"	"	"
	" " 11943	" "	" "	"	62'	" "
	" " 11781	" "	6/23	5"	66'	6/23
	" " 11612	" "	" "	"	64'	6/23
	" " 11530	" "	6/29	"	63'	6/29
	" " 11512	" "	6/29	"	58'	6/29
	" " 11869	" "	" "	"	65'	" "
	" " 11856	" "	" "	"	63'	" "
	" " 11892	" "	" "	"	65'	" "
	" " 11679	" "	" "	"	64'	" "
	" " 11801	" "	" "	"	65'	" "
	" " 11874	" "	6/30	"	62'	6/30
	" " 11823	" "	" "	"	64'	" "
	" " 11910	" "	" "	"	64'	" "
	" " 11546	" "	7/7	"	62'	7/7
	" " 11568	" "	7/7	"	64'	7/7
	" " 11525	" "	" "	"	61'	" "
	" " 11629	" "	" "	"	65'	" "
	" " 11652	" "	" "	"	64'	" "

APPENDIX D

CD CONTAINING THE STL LABORATORY ANALYTICAL REPORTS

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SEVERN TRENT STL

STL North Canton
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ANALYTICAL REPORT

PROJECT NO. 34891

EVERGREEN MANOR

Lot #: A5E260235

Julie Czech

Conestoga-Rovers & Associates
8615 W. Bryn Mawr
Chicago, IL 60631

SEVERN TRENT LABORATORIES, INC.

Ken Kuyer for

Amy L. McCormick
Project Manager

June 24, 2005

SEVERN TRENT STL

CASE NARRATIVE

CASE NARRATIVE

A5E260235

The following report contains the analytical results for twenty-one water samples and one quality control sample submitted to STL North Canton by Conestoga-Rovers & Associates, Inc. from the EVERGREEN MANOR Site, project number 34891. The samples were received May 26, 2005, according to documented sample acceptance procedures.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to Julie Czech on June 10, 2005. A summary of QC data for these analyses is included at the back of the report.

STL North Canton attests to the validity of the laboratory data generated by STL facilities reported herein. All analyses performed by STL facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. STL's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

If you have any questions, please call the Project Manager, Amy L. McCormick, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 3.8°C.

CASE NARRATIVE (continued)

GC/MS VOLATILES

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

The matrix spike/matrix spike duplicate(s) for batch(es) 5157292 had recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

STL North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. STL North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed below.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals
Methylene chloride	Phthalate Esters	Copper
Acetone		Iron
2-Butanone		Zinc
		Lead*

- *for analyses run on TJA Trace ICP, ICPMS or GFAA only*

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable. The acceptance criteria do not apply to samples that are diluted for organics if the native sample amount is 4x the concentration of the spike.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepped and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepped and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide, PCB, and PAH methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria.

SEVERN TRENT STL

EXECUTIVE SUMMARY

EXECUTIVE SUMMARY - Detection Highlights

A5E260235

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
GW-052305-JK-004 05/23/05 15:45 004				
Bromodichloromethane	0.18 J	1.0	ug/L	SW846 8260B
Chloroform	0.66 J	1.0	ug/L	SW846 8260B
Tetrachloroethene	0.94 J	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	0.42 J	1.0	ug/L	SW846 8260B
GW-052305-JK-005 05/23/05 15:50 005				
Chloroform	0.47 J	1.0	ug/L	SW846 8260B
Tetrachloroethene	0.80 J	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	0.33 J	1.0	ug/L	SW846 8260B
GW-052305-JK-006 05/23/05 16:50 006				
1,1,2-Trichloro-1,2,2-trifluoroethane	5.4	1.0	ug/L	SW846 8260B
GW-052405-JK-009 05/24/05 11:25 009				
1,2,4-Trichloro-benzene	0.86 J,B	1.0	ug/L	SW846 8260B
Trichloroethene	1.3	1.0	ug/L	SW846 8260B
Xylenes (total)	0.47 J	2.0	ug/L	SW846 8260B
GW-052405-JK-010 05/24/05 11:45 010				
Bromomethane	0.43 J	1.0	ug/L	SW846 8260B
GW-052405-JK-011 05/24/05 13:06 011				
Chloroform	0.31 J	1.0	ug/L	SW846 8260B
GW-052405-JK-012 05/24/05 13:10 012				
Bromodichloromethane	0.15 J	1.0	ug/L	SW846 8260B
Chloroform	0.31 J	1.0	ug/L	SW846 8260B
GW-052405-JK-013 05/24/05 15:05 013				
Chloroform	0.17 J	1.0	ug/L	SW846 8260B
Tetrachloroethene	2.6	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	2.0	1.0	ug/L	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	33	1.0	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A5E260235

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
GW-052405-JK-014 05/24/05 16:35 014				
1,1,1-Trichloroethane	1.0	1.0	ug/L	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	0.26 J	1.0	ug/L	SW846 8260B
GW-052505-JK-015 05/25/05 09:10 015				
Tetrachloroethene	0.55 J	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	0.66 J	1.0	ug/L	SW846 8260B
GW-052505-JK-016 05/25/05 11:00 016				
Tetrachloroethene	0.28 J	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	0.42 J	1.0	ug/L	SW846 8260B
GW-052505-JK-018 05/25/05 12:30 018				
Tetrachloroethene	3.2	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	1.2	1.0	ug/L	SW846 8260B
Trichloroethene	0.82 J	1.0	ug/L	SW846 8260B
GW-052505-JK-019 05/25/05 14:15 019				
Tetrachloroethene	3.0	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	1.4	1.0	ug/L	SW846 8260B
Trichloroethene	0.94 J	1.0	ug/L	SW846 8260B
GW-052505-JK-020 05/25/05 15:05 020				
Tetrachloroethene	0.48 J	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	0.21 J	1.0	ug/L	SW846 8260B
GW-052505-JK-021 05/25/05 17:00 021				
Tetrachloroethene	0.40 J	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	0.57 J	1.0	ug/L	SW846 8260B
TRIP BLANK 05/25/05 022				
Toluene	0.17 J	1.0	ug/L	SW846 8260B

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METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

A5E260235

PARAMETER	ANALYTICAL METHOD
Volatile Organics by GC/MS	SW846 8260B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

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SAMPLE SUMMARY

SAMPLE SUMMARY

A5E260235

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HCDTK	001	GW-052305-JK-001	05/23/05	13:45
HCDV9	002	GW-052305-JK-002	05/23/05	14:50
HCDWL	003	GW-052305-JK-003	05/23/05	15:00
HCDWM	004	GW-052305-JK-004	05/23/05	15:45
HCDWP	005	GW-052305-JK-005	05/23/05	15:50
HCDWQ	006	GW-052305-JK-006	05/23/05	16:50
HCDWT	007	GW-052405-JK-007	05/24/05	08:35
HCDWW	008	GW-052405-JK-008	05/24/05	09:50
HCDW2	009	GW-052405-JK-009	05/24/05	11:25
HCDW3	010	GW-052405-JK-010	05/24/05	11:45
HCDW5	011	GW-052405-JK-011	05/24/05	13:06
HCDW6	012	GW-052405-JK-012	05/24/05	13:10
HCDW7	013	GW-052405-JK-013	05/24/05	15:05
HCDXD	014	GW-052405-JK-014	05/24/05	16:35
HCDXE	015	GW-052505-JK-015	05/25/05	09:10
HCDXH	016	GW-052505-JK-016	05/25/05	11:00
HCDXJ	017	GW-052505-JK-017	05/25/05	11:10
HCDXK	018	GW-052505-JK-018	05/25/05	12:30
HCDXL	019	GW-052505-JK-019	05/25/05	14:15
HCDXM	020	GW-052505-JK-020	05/25/05	15:05
HCDXN	021	GW-052505-JK-021	05/25/05	17:00
HCDXQ	022	TRIP BLANK	05/25/05	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SEVERN TRENT STL

SHIPPING AND RECEIVING DOCUMENTS

RSR280

Client: 1628

Lot #: A5E260235

Case Number/SDG: 34891

Storage Location: MS

Severn Trent Laboratories, Inc.
Sample Control Record

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
HCDTK	SANDERA2	5/26/05	Yes		Storage	
HCDV9	SANDERA2	5/26/05	Yes		Storage	
HCDWL	SANDERA2	5/26/05	Yes		Storage	
HCDWM	SANDERA2	5/26/05	Yes		Storage	
HCDWP	SANDERA2	5/26/05	Yes		Storage	
HCDWQ	SANDERA2	5/26/05	Yes		Storage	
HCDWT	SANDERA2	5/26/05	Yes		Storage	
HCDWW	SANDERA2	5/26/05	Yes		Storage	
HCDW2	SANDERA2	5/26/05	Yes		Storage	
HCDW3	SANDERA2	5/26/05	Yes		Storage	
HCDW5	SANDERA2	5/26/05	Yes		Storage	
HCDW6	SANDERA2	5/26/05	Yes		Storage	
HCDW7	SANDERA2	5/26/05	Yes		Storage	
HCDXD	SANDERA2	5/26/05	Yes		Storage	
HCDXE	SANDERA2	5/26/05	Yes		Storage	
HCDXH	SANDERA2	5/26/05	Yes		Storage	
HCDXJ	SANDERA2	5/26/05	Yes		Storage	
HCDXK	SANDERA2	5/26/05	Yes		Storage	
HCDXL	SANDERA2	5/26/05	Yes		Storage	
HCDXM	SANDERA2	5/26/05	Yes		Storage	
HCDXN	SANDERA2	5/26/05	Yes		Storage	
HCDXQ	SANDERA2	5/26/05	Yes		Storage	

CONESTOGA-ROVERS & ASSOCIATES
8615 W. Bryn Mawr Avenue
Chicago, Illinois 60631
(773)380-9933 phone
(773)380-6421 fax

SHIPPED TO (Laboratory Name): SEVERN TRENT LABS (NORTH CANTON)

REFERENCE NUMBER: 34891

PROJECT NAME: EVERGREEN MANOR

CHAIN-OF-CUSTODY RECORD

SAMPLER'S SIGNATURE: Jeff Kolodziejski PRINTED NAME: JEFF KOLODZIEJSKI

SEQ. No.	DATE	TIME	SAMPLE IDENTIFICATION No.	SAMPLE MATRIX	No. OF CONTAINERS	PARAMETERS: VOCs	REMARKS
	5/23/05	1345	GW-052305-JK-001	WATER	3	X	
	1456	1500	002		3	X	
		1500	003		3	X	
		1545	004		3	X	
		1550	005		3	X	
		1650	006		3	X	
	5/24/05	0835	GW-052405-JK-007		3	X	
		0950	008		9	X	MS/MSD
		1125	009		3	X	
		1145	010		3	X	
		1306	011		3	X	
		1310	012		3	X	
		1505	013		3	X	
		1635	014		3	X	
	5/25/05	0910	GW-052505-JK-015		3	X	
			TOTAL NUMBER OF CONTAINERS		51		

RELINQUISHED BY: ① Jeff Kolodziejski	DATE: 5/25/05 TIME: 1830	RECEIVED BY: ②	DATE: TIME:
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: FEDEX

AIR BILL No. 8490 1342 5340

White	-Fully Executed Copy
Yellow	-Receiving Laboratory Copy
Pink	-Shipper Copy
Goldenrod	-Sampler Copy

SAMPLE TEAM: KOLODZIEJSKI, JARRETT

RECEIVED FOR LABORATORY BY: Keith R. Miller

DATE: 5/26/05 TIME: 9:30

13011

STL North Canton

1001-00(SOURCE)GN-CO004

CONESTOGA-ROVERS & ASSOCIATES
8615 W. Bryn Mawr Avenue
Chicago, Illinois 60631
(773)380-9933 phone
(773)380-6421 fax

SHIPPED TO (Laboratory Name): SEVERN TRENT LABS (NORTH CANTON)

REFERENCE NUMBER: 34891

PROJECT NAME: EVERGREEN MANOR

CHAIN-OF-CUSTODY RECORD

SAMPLER'S SIGNATURE: Jeff Kolodziejski **PRINTED NAME:** JEFF KOLODZIEJSKI

SEQ. No.	DATE	TIME	SAMPLE IDENTIFICATION No.	SAMPLE MATRIX	No. OF CONTAINERS	PARAMETERS: VOCs	REMARKS
	5/25/05	1100	GW-052505-JK-016	WATER	3	X	
		1110	017		3	X	
		1230	018		3	X	
		1415	019		3	X	
		1505	020		3	X	
		1700	021		3	X	
			TRIP BLANK		2	X	
			TEMP BLANK		1		

TOTAL NUMBER OF CONTAINERS 21

RELINQUISHED BY: ① Jeff Kolodziejski	DATE: 5/25/05 TIME: 1830	RECEIVED BY: ②	DATE: TIME:
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: FED EX **AIR BILL No.** 8490 1342 5340

White	-Fully Executed Copy
Yellow	-Receiving Laboratory Copy
Pink	-Shipper Copy
Goldenrod	-Sampler Copy

SAMPLE TEAM: KOLODZIEJSKI, JARRETT

RECEIVED FOR LABORATORY BY: Keith R. Miller **DATE:** 5/26/05 **TIME:** 9:30

13010

STL North Canton

1001-00(SOURCE)GN-CO004

STL Cooler Receipt Form/Narrative **Lot Number:** A5E260235
North Canton Facility

Client: CRA Project: Evergreen Manor Quote#:
Cooler Received on: 5/26/05 Opened on: 5/26/05 by: Keith R. Mill (Signature)

Fedx ☑ Client Drop Off ☐ UPS ☐ DHL ☐ FAS ☐ Other:
STL Cooler No# 40535 Foam Box ☐ Client Cooler ☐ Other

1. Were custody seals on the outside of the cooler? Yes ☐ No ☑ Intact? Yes ☐ No ☐ NA ☑
   If YES, Quantity
   Were the custody seals signed and dated? Yes ☐ No ☐ NA ☑
2. Shipper's packing slip attached to this form? Yes ☑ No ☐ NA ☐
3. Did custody papers accompany the samples? Yes ☑ No ☐ Relinquished by client? Yes ☑ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☑ No ☐
5. Packing material used: Bubble Wrap ☑ Foam ☑ None ☐ Other :
6. Cooler temperature upon receipt 3.8 °C (see back of form for multiple coolers/temp)

METHOD: Temp Vial ☐ Coolant & Sample ☐ Against Bottles ☐ IR ☑ ICE/H_2O Slurry ☐
COOLANT: Wet Ice ☑ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐

7. Did all bottles arrive in good condition (Unbroken)? Yes ☑ No ☐
8. Could all bottle labels and/or tags be reconciled with the COC? Yes ☑ No ☐
9. Were samples at the correct pH? (record below/on back) Yes ☐ No ☐ NA ☑
10. Were correct bottles used for the tests indicated? Yes ☑ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☑ NA ☐
12. Sufficient quantity received to perform indicated analyses? Yes ☑ No ☐

Contacted PM _____ Date: _____ by: _____ via Voice Mail ☐ Verbal ☐ Other ☐
Concerning:

√	
	1. CHAIN OF CUSTODY
	The following discrepancies occurred:
	2. SAMPLE CONDITION
	Sample(s) _____ were received after the recommended holding time had expired.
	Sample(s) _____ were received in a broken container.
	3. SAMPLE PRESERVATION
	Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot # 030905-HNO3; Sulfuric Acid Lot # 102804-H2SO4; Sodium Hydroxide Lot # -100504-NaOH; Hydrochloric Acid Lot # 100504-HCl; Sodium Hydroxide and Zinc Acetate Lot # 071604-CH3COO2ZN/NaOH*
	Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)
	4. Other (see below or back)

Client ID	pH	Date	Initials

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Cooler	Temp	Method	Coolant

Discrepancies Cont.

GCMS VOLATILE DATA

QC SUMMARY DATA

SW846 8260B SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5E260235

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	INTRA-LAB QC	103	96	102	100	00
02	GW-052305-JK-001	102	104	104	97	00
03	GW-052305-JK-002	116	110	93	75	00
04	GW-052305-JK-003	113	113	93	76	00
05	GW-052305-JK-004	113	111	91	74	00
06	GW-052305-JK-005	96	98	93	88	00
07	GW-052305-JK-006	115	110	96	74	00
08	GW-052405-JK-007	90	88	96	83	00
09	GW-052405-JK-008	115	111	93	78	00
10	GW-052405-JK-009	109	106	95	77	00
11	GW-052405-JK-010	115	108	94	74	00
12	GW-052405-JK-011	115	109	94	75	00
13	GW-052405-JK-012	117	108	94	76	00
14	GW-052405-JK-013	111	106	102	81	00
15	GW-052405-JK-014	116	111	100	81	00
16	GW-052505-JK-015	114	110	100	83	00
17	GW-052505-JK-016	115	110	99	83	00
18	GW-052505-JK-017	115	112	99	78	00
19	GW-052505-JK-018	116	115	100	79	00
20	GW-052505-JK-019	118	116	97	76	00
21	GW-052505-JK-020	117	116	99	77	00
22	GW-052505-JK-021	115	112	101	78	00
23	TRIP BLANK	117	114	98	77	00
24	METHOD BLK. HCQJA1AA	109	104	99	81	00
25	METHOD BLK. HC1V51AA	112	107	100	86	00
26	METHOD BLK. HC2VN1AA	91	94	93	87	00
27	METHOD BLK. HC5JW1AA	92	88	98	85	00

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8260B SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5E260235

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	LCS HCQJA1AC	100	103	108	113	00
02	LCS HC1V51AC	99	95	105	105	00
03	LCS HC2VN1AC	104	111	104	102	00
04	LCS HC5JW1AC	106	109	106	101	00
05	LAB MS/MSD D	96	97	111*	112	01
06	GW-052405-JK-008 D	104	107	109	116	00
07	LCSD HCQJA1AD	100	101	109	111	00
08	LCSD HC1V51AD	102	105	104	111	00
09	LCSD HC2VN1AD	101	109	101	100	00
10	LCSD HC5JW1AD	101	103	104	99	00
11	LAB MS/MSD S	102	102	108	111	00
12	GW-052405-JK-008 S	105	102	111*	116	01

SURROGATES		QC LIMITS
SRG01	= Dibromofluoromethane	(73-122)
SRG02	= 1,2-Dichloroethane-d4	(61-128)
SRG03	= Toluene-d8	(76-110)
SRG04	= 4-Bromofluorobenzene	(74-116)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F020000 WO #: HCQJA1AC
BATCH: 5153163

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	9.2	92	63- 130	
Trichloroethene	10	9.3	93	75- 122	
Benzene	10	9.8	98	80- 116	
Toluene	10	10	102	74- 119	
Chlorobenzene	10	9.7	97	76- 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F020000 WO #: HCQJA1AD
BATCH: 5153163

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	10	100	63 - 130	
Trichloroethene	10	9.6	96	75 - 122	
Benzene	10	10	100	80 - 116	
Toluene	10	10	105	74 - 119	
Chlorobenzene	10	10	100	76 - 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F060000 WO #: HC1V51AC
BATCH: 5157292

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	9.2	92	63- 130	
Trichloroethene	10	9.8	98	75- 122	
Benzene	10	10	100	80- 116	
Toluene	10	11	107	74- 119	
Chlorobenzene	10	10	101	76- 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F060000 WO #: HC1V51AD
BATCH: 5157292

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	8.7	87	63- 130	
Trichloroethene	10	9.5	95	75- 122	
Benzene	10	9.7	97	80- 116	
Toluene	10	10	103	74- 119	
Chlorobenzene	10	10	101	76- 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F070000 WO #: HC2VN1AC
BATCH: 5158057

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	9.5	95	63- 130	
Trichloroethene	10	9.4	94	75- 122	
Benzene	10	9.1	91	80- 116	
Toluene	10	9.0	90	74- 119	
Chlorobenzene	10	9.2	92	76- 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F070000 WO #: HC2VN1AD
BATCH: 5158057

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	10	103	63 - 130	
Trichloroethene	10	10	100	75 - 122	
Benzene	10	10	100	80 - 116	
Toluene	10	9.6	96	74 - 119	
Chlorobenzene	10	9.9	99	76 - 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F080000 WO #: HC5JW1AC
BATCH: 5159092

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	9.4	94	63 - 130	
Trichloroethene	10	9.5	95	75 - 122	
Benzene	10	9.3	93	80 - 116	
Toluene	10	9.2	92	74 - 119	
Chlorobenzene	10	9.1	91	76 - 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F080000 WO #: HC5JW1AD
BATCH: 5159092

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	11	106	63 - 130	
Trichloroethene	10	10	104	75 - 122	
Benzene	10	10	104	80 - 116	
Toluene	10	10	102	74 - 119	
Chlorobenzene	10	10	101	76 - 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: A5E250229 WO #: HA9DW1AC
BATCH: 5157292

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	280	ND	270	95	62- 130	
Trichloroethene	280	ND	270	95	62- 130	
Benzene	280	570	910	122*	78- 118	a
Toluene	280	44	330	103	70- 119	
Chlorobenzene	280	ND	260	95	76- 117	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 1 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: A5E250229 WO #: HA9DW1AD
BATCH: 5157292

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	280	270	96	0.71	20	62- 130	
Trichloroethene	280	270	96	0.65	20	62- 130	
Benzene	280	930	129*	2.0	20	78- 118	a
Toluene	280	340	106	3.1	20	70- 119	
Chlorobenzene	280	270	98	2.9	20	76- 117	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

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: 1 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Matrix Spike ID: GW-052405-JK-008

Lot #: A5E260235 WO #: HCDWW1AC
BATCH: 5153163

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	10	ND	11	107	62- 130	
Trichloroethene	10	ND	9.9	99	62- 130	
Benzene	10	ND	10	104	78- 118	
Toluene	10	ND	11	109	70- 119	
Chlorobenzene	10	ND	10	101	76- 117	

NOTES(S):

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Matrix Spike ID: GW-052405-JK-008

Lot #: A5E260235 WO #: HCDWW1AD
BATCH: 5153163

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	11	108	0.35	20	62- 130	
Trichloroethene	10	10	100	1.4	20	62- 130	
Benzene	10	10	104	0.59	20	78- 118	
Toluene	10	11	110	0.43	20	70- 119	
Chlorobenzene	10	10	102	1.6	20	76- 117	

NOTES(S):

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 5 outside limits

COMMENTS:

FORM III

BLANK WORKORDER NO.

HC2VN1AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:

Lab File ID: UX93819.D

Lot Number: A5E260235

Date Analyzed: 06/06/05

Time Analyzed: 09:32

Matrix: WATER

Date Extracted:06/06/05

GC Column: DB 624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX9

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	GW-052305-JK-001	HCDTK1AA	UX93827.D	06/06/05	14:37
02	GW-052305-JK-005	HCDWP1AA	UX93828.D	06/06/05	14:59
03	CHECK SAMPLE	HC2VN1AC C	UX93817.D	06/06/05	08:48
04	DUPLICATE CHECK	HC2VN1AD L	UX93818.D	06/06/05	09:10
05					
06					
07					
08					
09					
10					
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15					
16					
17					
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19					
20					
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22					
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25					
26					
27					
28					
29					
30					

COMMENTS:

FORM IV

BLANK WORKORDER NO.

HC5JW1AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:

Lab File ID: UX93873.D

Lot Number: A5E260235

Date Analyzed: 06/07/05

Time Analyzed: 09:52

Matrix: WATER

Date Extracted:06/07/05

GC Column: DB 624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX9

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	GW-052405-JK-007	HCDWT1AA	UX93874.D	06/07/05	10:24
02	CHECK SAMPLE	HC5JW1AC C	UX93871.D	06/07/05	09:08
03	DUPLICATE CHECK	HC5JW1AD L	UX93872.D	06/07/05	09:30
04					
05					
06					
07					
08					
09					
10					
11					
12					
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14					
15					
16					
17					
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26					
27					
28					
29					
30					

COMMENTS:

FORM IV

BLANK WORKORDER NO.

HCQJA1AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:

Lab File ID: UXX8673.D

Lot Number: A5E260235

Date Analyzed: 06/01/05

Time Analyzed: 23:54

Matrix: WATER

Date Extracted:06/01/05

GC Column: DB 624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX10

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	GW-052305-JK-002	HCDV91AA	UXX8682.D	06/02/05	03:40
02	GW-052305-JK-003	HCDWL1AA	UXX8683.D	06/02/05	04:05
03	GW-052305-JK-004	HCDWM1AA	UXX8684.D	06/02/05	04:30
04	GW-052305-JK-006	HCDWQ1AA	UXX8686.D	06/02/05	05:20
05	GW-052405-JK-008	HCDWW1AA	UXX8695.D	06/02/05	09:06
06	GW-052405-JK-008	HCDWW1AC S	UXX8689.D	06/02/05	06:35
07	GW-052405-JK-008	HCDWW1AD D	UXX8690.D	06/02/05	07:00
08	GW-052405-JK-009	HCDW21AA	UXX8691.D	06/02/05	07:25
09	GW-052405-JK-010	HCDW31AA	UXX8692.D	06/02/05	07:50
10	GW-052405-JK-011	HCDW51AA	UXX8693.D	06/02/05	08:15
11	GW-052405-JK-012	HCDW61AA	UXX8694.D	06/02/05	08:40
12	CHECK SAMPLE	HCQJA1AC C	UXX8671.D	06/01/05	23:04
13	DUPLICATE CHECK	HCQJA1AD L	UXX8672.D	06/01/05	23:29
14					
15					
16					
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29					
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COMMENTS:

FORM IV

SW846 8260B METHOD BLANK SUMMARY

BLANK WORKORDER NO.

HC1V51AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:

Lab File ID: UXX8784.D

Lot Number: A5E260235

Date Analyzed: 06/03/05

Time Analyzed: 23:46

Matrix: WATER

Date Extracted: 06/03/05

GC Column: DB 624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX10

Level: (low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	INTRA-LAB QC	HA9DW1AA	UXX8785.D	06/04/05	00:11
02	LAB MS/MSD	HA9DW1AC S	UXX8786.D	06/04/05	00:36
03	LAB MS/MSD	HA9DW1AD D	UXX8787.D	06/04/05	01:01
04	GW-052405-JK-013	HCDW71AA	UXX8794.D	06/04/05	03:56
05	GW-052405-JK-014	HCDXD1AA	UXX8795.D	06/04/05	04:21
06	GW-052505-JK-015	HCDXE1AA	UXX8796.D	06/04/05	04:46
07	GW-052505-JK-016	HCDXH1AA	UXX8797.D	06/04/05	05:11
08	GW-052505-JK-017	HCDXJ1AA	UXX8798.D	06/04/05	05:36
09	GW-052505-JK-018	HCDXK1AA	UXX8799.D	06/04/05	06:01
10	GW-052505-JK-019	HCDXL1AA	UXX8800.D	06/04/05	06:26
11	GW-052505-JK-020	HCDXM1AA	UXX8801.D	06/04/05	06:52
12	GW-052505-JK-021	HCDXN1AA	UXX8802.D	06/04/05	07:17
13	TRIP BLANK	HCDXQ1AA	UXX8803.D	06/04/05	07:42
14	CHECK SAMPLE	HC1V51AC C	UXX8782.D	06/03/05	22:56
15	DUPLICATE CHECK	HC1V51AD L	UXX8783.D	06/03/05	23:21
16					
17					
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29					
30					

COMMENTS:

FORM IV

5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5E260235

Lab File ID: BFB215 BFB Injection Date: 05/27/05

Instrument ID: A3UX9 BFB Injection Time: 0835

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.8
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	6.5
173	Less than 2.0% of mass 174	0.4 (0.6)1
174	50.0 - 120.0% of mass 95	73.1
175	5.0 - 9.0% of mass 174	5.3 (7.3)1
176	Greater than 95.0%, but less than 101.0% of mass 174	72.1 (98.7)1
177	5.0 - 9.0% of mass 176	4.4 (6.1)2

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

THIS TUNE 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	250NG-IC	UX93571	05/27/05	0947
02	VSTD020	100NG-IC	UX93572	05/27/05	1009
03	VSTD010	50NG-IC	UX93573	05/27/05	1031
04	VSTD005	25NG-IC	UX93574	05/27/05	1053
05	VSTD002	10NG-IC	UX93575	05/27/05	1115
06	VSTD001	5NG-IC	UX93576	05/27/05	1137
07					
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22					

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FORM V VOA 1/87 Rev.

5A

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5E260235

Lab File ID: BFB228 BFB Injection Date: 06/06/05

Instrument ID: A3UX9 BFB Injection Time: 0731

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	26.2
75	30.0 - 60.0% of mass 95	43.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.2 (0.3)1
174	50.0 - 120.0% of mass 95	75.7
175	5.0 - 9.0% of mass 174	5.6 (7.4)1
176	Greater than 95.0%, but less than 101.0% of mass 174	74.2 (98.0)1
177	5.0 - 9.0% of mass 176	5.1 (6.9)2

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

THIS TUNE 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	50NG-CC	UX93816	06/06/05	0825
02	HC2VN-CHK	HC2VN1AC	UX93817	06/06/05	0848
03	HC2VN-CKDUP	HC2VN1AD	UX93818	06/06/05	0910
04	HC2VN-BLK	HC2VN1AA	UX93819	06/06/05	0932
05	GW-052305-JK	HCDTK1AA	UX93827	06/06/05	1437
06	GW-052305-JK	HCDWP1AA	UX93828	06/06/05	1459
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22					

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FORM V VOA 1/87 Rev.

5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5E260235

Lab File ID: BFB230 BFB Injection Date: 06/07/05

Instrument ID: A3UX9 BFB Injection Time: 0753

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.0
75	30.0 - 60.0% of mass 95	39.5
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	50.0 - 120.0% of mass 95	70.3
175	5.0 - 9.0% of mass 174	5.4 (7.7)1
176	Greater than 95.0%, but less than 101.0% of mass 174	68.0 (96.8)1
177	5.0 - 9.0% of mass 176	5.3 (7.8)2

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

THIS TUNE 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	50NG-CC	UX93870	06/07/05	0845
02	HC5JW-CHK	HC5JW1AC	UX93871	06/07/05	0908
03	HC5JW-CKDUP	HC5JW1AD	UX93872	06/07/05	0930
04	HC5JW-BLK	HC5JW1AA	UX93873	06/07/05	0952
05	GW-052305-JK	HCDWT1AA	UX93874	06/07/05	1024
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FORM V VOA 1/87 Rev.

5A

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5E260235

Lab File ID: BFB1659 BFB Injection Date: 05/12/05

Instrument ID: A3UX10 BFB Injection Time: 1044

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.7
75	30.0 - 60.0% of mass 95	47.0
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	0.5 (0.5)1
174	50.0 - 100.0% of mass 95	87.0
175	5.0 - 9.0% of mass 174	5.9 (6.8)1
176	Greater than 95.0%, but less than 101.0% of mass 174	83.8 (96.3)1
177	5.0 - 9.0% of mass 176	5.3 (6.3)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001	5NG-IC	UXX8023	05/12/05	1106
02	VSTD002	10NG-IC	UXX8024	05/12/05	1131
03	VSTD005	25NG-IC	UXX8025	05/12/05	1156
04	VSTD010	50NG-IC	UXX8026	05/12/05	1221
05	VSTD020	100NG-IC	UXX8027	05/12/05	1246
06	VSTD040	200NG-IC	UXX8028	05/12/05	1311
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FORM V VOA 1/87 Rev.

5A
VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5E260235

Lab File ID: BFB1683 BFB Injection Date: 06/01/05

Instrument ID: A3UX10 BFB Injection Time: 2151

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.4
75	30.0 - 60.0% of mass 95	49.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	0.7 (0.8)1
174	50.0 - 100.0% of mass 95	85.4
175	5.0 - 9.0% of mass 174	5.6 (6.6)1
176	Greater than 95.0%, but less than 101.0% of mass 174	82.6 (96.7)1
177	5.0 - 9.0% of mass 176	5.3 (6.4)2

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

THIS TUNE 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	50NG-CC	UXX8669	06/01/05	2214
02	HCQJA-CHK	HCQJA1AC	UXX8671	06/01/05	2304
03	HCQJA-CKDUP	HCQJA1AD	UXX8672	06/01/05	2329
04	HCQJA-BLK	HCQJA1AA	UXX8673	06/01/05	2354
05	GW-052305-JK	HCDV91AA	UXX8682	06/02/05	0340
06	GW-052305-JK	HCDWL1AA	UXX8683	06/02/05	0405
07	GW-052305-JK	HCDWM1AA	UXX8684	06/02/05	0430
08	GW-052305-JK	HCDWQ1AA	UXX8686	06/02/05	0520
09	GW-052305-JK	HCDWW1AC	UXX8689	06/02/05	0635
10	GW-052305-JK	HCDWW1AD	UXX8690	06/02/05	0700
11	GW-052305-JK	HCDW21AA	UXX8691	06/02/05	0725
12	GW-052305-JK	HCDW31AA	UXX8692	06/02/05	0750
13	GW-052305-JK	HCDW51AA	UXX8693	06/02/05	0815
14	GW-052305-JK	HCDW61AA	UXX8694	06/02/05	0840
15	GW-052305-JK	HCDWW1AA	UXX8695	06/02/05	0906
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FORM V VOA 1/87 Rev.

5A

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5E260235

Lab File ID: BFB1687 BFB Injection Date: 06/03/05

Instrument ID: A3UX10 BFB Injection Time: 2141

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.8
75	30.0 - 60.0% of mass 95	45.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.5 (0.6)1
174	50.0 - 100.0% of mass 95	81.8
175	5.0 - 9.0% of mass 174	5.6 (6.8)1
176	Greater than 95.0%, but less than 101.0% of mass 174	79.6 (97.3)1
177	5.0 - 9.0% of mass 176	5.0 (6.2)2

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

THIS TUNE 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	50NG-CC	UXX8780	06/03/05	2206
02	HC1V5-CHK	HC1V51AC	UXX8782	06/03/05	2256
03	HC1V5-CKDUP	HC1V51AD	UXX8783	06/03/05	2321
04	HC1V5-BLK	HC1V51AA	UXX8784	06/03/05	2346
05	GW-052405-JK	HCDW71AA	UXX8794	06/04/05	0356
06	GW-052405-JK	HCDXD1AA	UXX8795	06/04/05	0421
07	GW-052505-JK	HCDXE1AA	UXX8796	06/04/05	0446
08	GW-052505-JK	HCDXH1AA	UXX8797	06/04/05	0511
09	GW-052505-JK	HCDXJ1AA	UXX8798	06/04/05	0536
10	GW-052505-JK	HCDXK1AA	UXX8799	06/04/05	0601
11	GW-052505-JK	HCDXL1AA	UXX8800	06/04/05	0626
12	GW-052505-JK	HCDXM1AA	UXX8801	06/04/05	0652
13	GW-052505-JK	HCDXN1AA	UXX8802	06/04/05	0717
14	TRIP BLANK	HCDXQ1AA	UXX8803	06/04/05	0742
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8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5E260235

Lab File ID (Standard): UX93816 Date Analyzed: 06/06/05

Instrument ID: A3UX9 Time Analyzed: 0825

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

		IS1(CBZ) AREA #	RT	IS2(DCB) AREA #	RT	IS3 AREA #	RT
	12 HOUR STD	641856	7.75	291875	9.98	843872	5.10
	UPPER LIMIT	1283712	8.25	583750	10.48	1687744	5.60
	LOWER LIMIT	320928	7.25	145938	9.48	421936	4.60
	EPA SAMPLE NO.						
01	HC2VN-CHK	624276	7.75	274002	9.98	837409	5.10
02	HC2VN-CKDUP	628352	7.75	272804	9.98	829857	5.10
03	HC2VN-BLK	606826	7.75	248389	9.98	826098	5.10
04	GW-052305-JK	602887	7.75	250120	9.98	823838	5.10
05	GW-052305-JK	604917	7.75	254046	9.98	786447	5.10
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IS1 (CBZ) = Chlorobenzene-d5
IS2 (DCB) = 1,4-Dichlorobenzene-d4
IS3 = Fluorobenzene

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk.

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FORM VIII VOA 1/87 Rev.

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5E260235

Lab File ID (Standard): UX93870 Date Analyzed: 06/07/05

Instrument ID: A3UX9 Time Analyzed: 0845

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

		IS1(CBZ) AREA #	RT	IS2(DCB) AREA #	RT	IS3 AREA #	RT
	12 HOUR STD	573606	7.75	257547	9.98	748442	5.10
	UPPER LIMIT	1147212	8.25	515094	10.48	1496884	5.60
	LOWER LIMIT	286803	7.25	128774	9.48	374221	4.60
	EPA SAMPLE NO.						
01	HC5JW-CHK	561835	7.75	239658	9.97	748636	5.10
02	HC5JW-CKDUP	558138	7.75	245572	9.98	744902	5.10
03	HC5JW-BLK	538965	7.75	212603	9.99	743661	5.10
04	GW-052305-JK	534392	7.75	215207	9.98	735793	5.10
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22							

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DCB) = 1,4-Dichlorobenzene-d4
IS3 = Fluorobenzene

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk.

page 1 of 1

FORM VIII VOA 1/87 Rev.

8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5E260235

Lab File ID (Standard): UXX8669 Date Analyzed: 06/01/05

Instrument ID: A3UX10 Time Analyzed: 2214

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

		IS1 (CBZ) AREA #	RT	IS2 AREA #	RT	IS3 (DCB) AREA #	RT
	12 HOUR STD	792138	7.66	1059696	5.00	473260	9.89
	UPPER LIMIT	1584276	8.16	2119392	5.50	946520	10.39
	LOWER LIMIT	396069	7.16	529848	4.50	236630	9.39
	EPA SAMPLE NO.						
01	HCQJA-CHK	812561	7.66	1087912	5.01	370801	9.89
02	HCQJA-CKDUP	829271	7.66	1138492	5.01	403901	9.89
03	HCQJA-BLK	756902	7.66	1053081	5.01	311851	9.89
04	GW-052305-JK	687872	7.66	938952	5.01	260500	9.89
05	GW-052305-JK	681863	7.66	915560	5.01	259465	9.89
06	GW-052305-JK	696735	7.66	934227	5.01	265461	9.89
07	GW-052305-JK	685054	7.66	951987	5.00	268390	9.90
08	GW-052305-JK	779286	7.66	1052147	5.00	370318	9.90
09	GW-052305-JK	784116	7.66	1046125	5.01	384830	9.89
10	GW-052305-JK	732237	7.66	1008385	5.00	284451	9.90
11	GW-052305-JK	716370	7.66	978485	5.01	276329	9.90
12	GW-052305-JK	704861	7.66	961396	5.01	279201	9.89
13	GW-052305-JK	690969	7.66	939365	5.01	266157	9.89
14	GW-052305-JK	679267	7.66	906518	5.00	265576	9.90
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22							

IS1 (CBZ) = Chlorobenzene-d5
IS2 = Fluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d4

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk.

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8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5E260235

Lab File ID (Standard): UXX8780 Date Analyzed: 06/03/05

Instrument ID: A3UX10 Time Analyzed: 2206

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

		IS1 (CBZ) AREA #	RT	IS2 AREA #	RT	IS3 (DCB) AREA #	RT
	12 HOUR STD	827267	7.66	1099763	5.01	457700	9.89
	UPPER LIMIT	1654534	8.16	2199526	5.51	915400	10.39
	LOWER LIMIT	413634	7.16	549882	4.51	228850	9.39
	EPA SAMPLE NO.						
01	HC1V5-CHK	859605	7.66	1142947	5.01	403238	9.89
02	HC1V5-CKDUP	873561	7.66	1176028	5.01	414987	9.89
03	HC1V5-BLK	807703	7.66	1059777	5.01	322635	9.89
04	GW-052405-JK	778939	7.66	1077308	5.01	315053	9.89
05	GW-052405-JK	753082	7.66	1020504	5.01	314314	9.90
06	GW-052505-JK	741935	7.66	1007483	5.00	310616	9.90
07	GW-052505-JK	741030	7.66	1013560	5.01	301913	9.89
08	GW-052505-JK	752054	7.66	1020542	5.01	281017	9.89
09	GW-052505-JK	753672	7.66	1016820	5.01	287844	9.90
10	GW-052505-JK	743971	7.66	990227	5.01	271524	9.90
11	GW-052505-JK	729156	7.66	966757	5.01	264980	9.89
12	GW-052505-JK	731046	7.66	1004168	5.01	288152	9.90
13	TRIP BLANK	717829	7.66	972291	5.01	257225	9.89
14							
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22							

IS1 (CBZ) = Chlorobenzene-d5
IS2 = Fluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d4

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk.

FORM VIII VOA 1/87 Rev.

SAMPLE DATA

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052305-JK-001

GC/MS Volatiles

Lot-Sample #...: A5E260235-001 **Work Order #...:** HCDTK1AA **Matrix.....:** WG
Date Sampled...: 05/23/05 13:45 **Date Received..:** 05/26/05
Prep Date.....: 06/06/05 **Analysis Date..:** 06/06/05
Prep Batch #...: 5158057
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052305-JK-001

GC/MS Volatiles

Lot-Sample #...: A5E260235-001 **Work Order #...:** HCDTK1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 122)
1,2-Dichloroethane-d4	104	(61 - 128)
Toluene-d8	104	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50606A.b\UX93827.D
Report Date: 06-Jun-2005 15:04

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50606A.b\UX93827.D
Lab Smp Id: HCDTK1AA Client Smp ID: GW-052305-JK-001
Inj Date : 06-JUN-2005 14:37
Operator : 1754 Inst ID: a3ux9.i
Smp Info : HCDTK1AA,5ML/5ML
Misc Info : N50606A,8260MIUX9,,1754
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50606A.b\8260MIUX9.m
Meth Date : 06-Jun-2005 08:41 mcdaniels Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	823838	50.0000	
* 2 Chlorobenzene-d5	117	7.747	7.748	(1.000)	602887	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	250120	50.0000	
$ 4 Dibromofluoromethane	113	4.540	4.541	(0.891)	172356	51.0228	10.204
$ 5 1,2-Dichloroethane-d4	65	4.824	4.813	(0.947)	200163	51.9691	10.394
$ 6 Toluene-d8	98	6.446	6.446	(0.832)	855141	51.9257	10.385
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	306367	48.3563	9.671
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50606A.b\UX93827.D
Report Date: 06-Jun-2005 15:04

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.505	6.505	(0.840)	11352	0.56172	0.1123
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

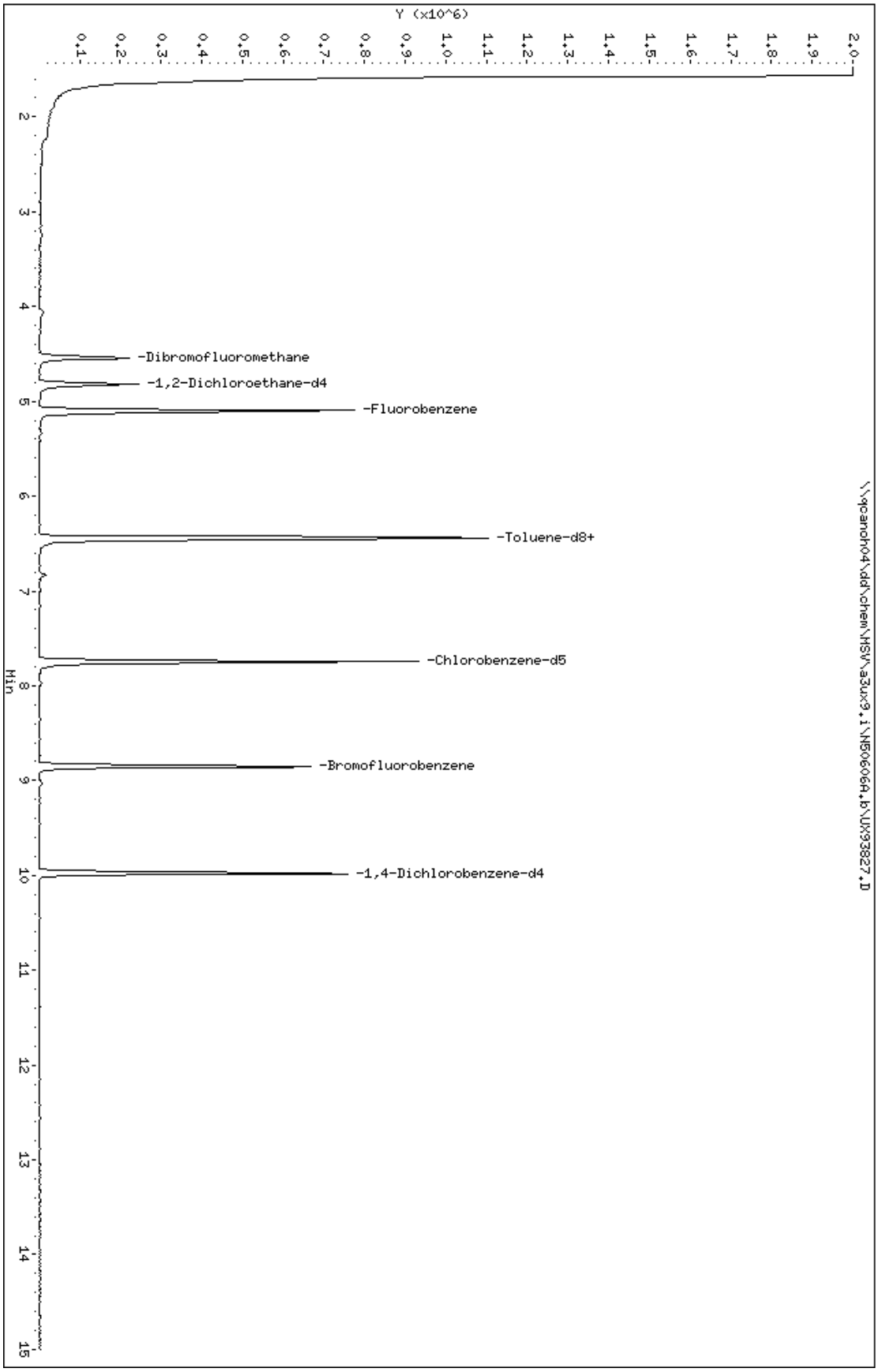
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50606A.b\UX93827.D
Report Date: 06-Jun-2005 15:04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N506066A.b\UX93827.D
Date : 06-JUN-2005 14:37
Client ID: GW-052305-JK-001
Sample Info: HCDTK1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9.i
Operator: 1754
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50606A.b\UX93827.D

Date : 06-JUN-2005 14:37

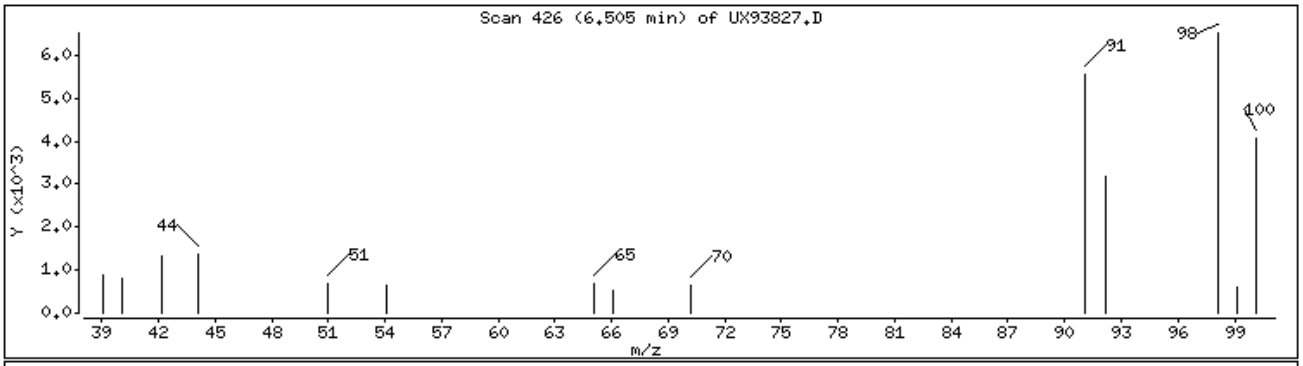
Client ID: GW-052305-JK-001 Instrument: a3ux9.i

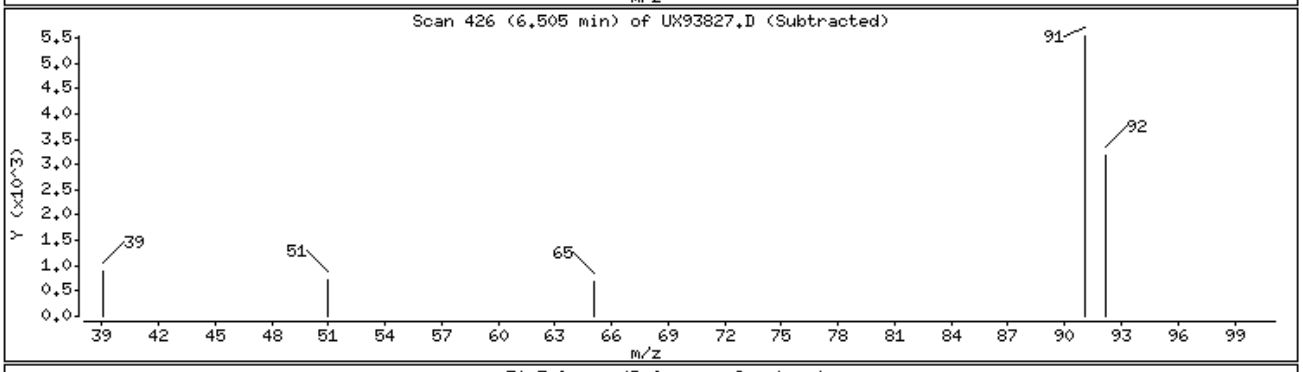
Sample Info: HCDTK1AA,5ML/5ML

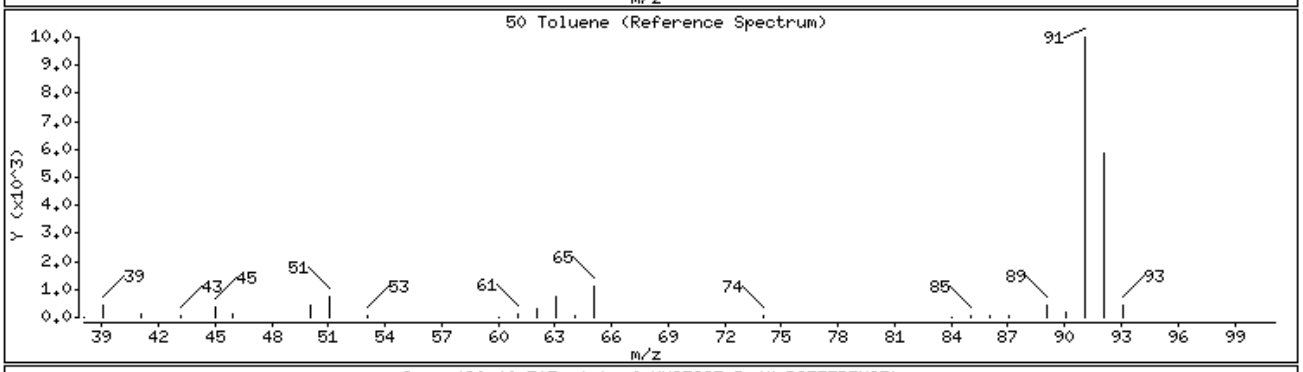
Purge Volume: 5.0 Operator: 1754

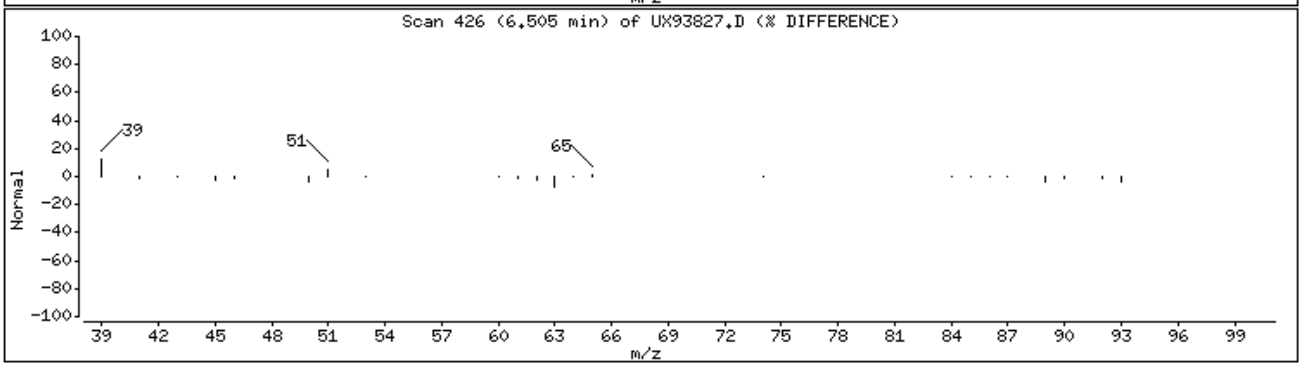
Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 0.1123 ug/L









Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052305-JK-002

GC/MS Volatiles

Lot-Sample #...: A5E260235-002 **Work Order #...:** HCDV91AA **Matrix.....:** WG
Date Sampled...: 05/23/05 14:50 **Date Received..:** 05/26/05
Prep Date.....: 06/02/05 **Analysis Date..:** 06/02/05
Prep Batch #...: 5153163
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052305-JK-002

GC/MS Volatiles

Lot-Sample #...: A5E260235-002 **Work Order #...:** HCDV91AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	116	(73 - 122)
1,2-Dichloroethane-d4	110	(61 - 128)
Toluene-d8	93	(76 - 110)
4-Bromofluorobenzene	75	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8682.D
Report Date: 02-Jun-2005 08:28

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8682.D
Lab Smp Id: HCDV91AA Client Smp ID: GW-052305-JK-002
Inj Date : 02-JUN-2005 03:40
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HCDV91AA,5ML/5ML
Misc Info : P50601B,8260LLUX10,1-8260GM.SUB,1904
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\8260LLUX10.m
Meth Date : 02-Jun-2005 08:07 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.SUB
Target Version: 4.14

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.007	4.998	(1.000)	938952	50.0000	
* 2 Chlorobenzene-d5	117	7.657	7.660	(1.000)	687872	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.894	9.885	(1.000)	260500	50.0000	
$ 4 Dibromofluoromethane	113	4.439	4.442	(0.887)	222290	57.9922	11.598
$ 5 1,2-Dichloroethane-d4	65	4.723	4.726	(0.943)	256627	54.8270	10.965
$ 6 Toluene-d8	98	6.356	6.359	(0.830)	620361	46.3747	9.275
$ 7 Bromofluorobenzene	95	8.770	8.761	(1.145)	183282	37.6699	7.534
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.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					
24 Methyl tert-butyl ether	73	Compound Not Detected.					
25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 1,1-Dichloroethane	63	Compound Not Detected.					

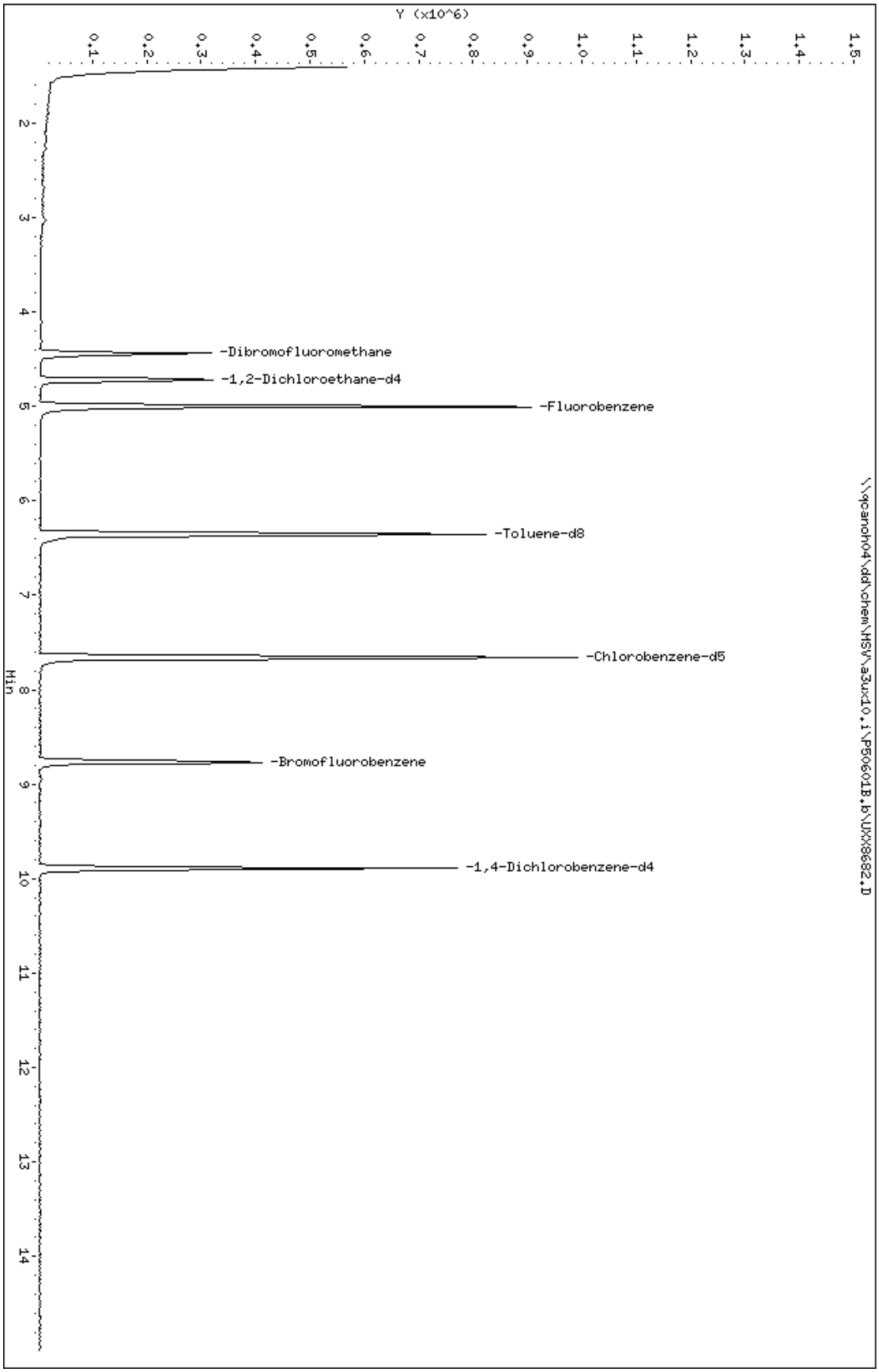
	30	2-Butanone	43	Compound Not Detected.
M	31	1,2-Dichloroethene (total)	96	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8682.D
Report Date: 02-Jun-2005 08:28

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	80 1,3-Dichlorobenzene	146	Compound Not Detected.					
	81 1,4-Dichlorobenzene	146	Compound Not Detected.					
	83 1,2-Dichlorobenzene	146	Compound Not Detected.					
	85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	98 Cyclohexane	56	Compound Not Detected.					
	143 Methyl Acetate	43	Compound Not Detected.					
	144 Methylcyclohexane	83	Compound Not Detected.					
	84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8682.D
Date : 02-JUN-2005 03:40
Client ID: GW-052305-JK-002
Sample Info: HCDV91AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052305-JK-003

GC/MS Volatiles

Lot-Sample #...: A5E260235-003 **Work Order #...:** HCDWL1AA **Matrix.....:** WG
Date Sampled...: 05/23/05 15:00 **Date Received..:** 05/26/05
Prep Date.....: 06/02/05 **Analysis Date..:** 06/02/05
Prep Batch #...: 5153163
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052305-JK-003

GC/MS Volatiles

Lot-Sample #...: A5E260235-003 **Work Order #...:** HCDWL1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(73 - 122)
1,2-Dichloroethane-d4	113	(61 - 128)
Toluene-d8	93	(76 - 110)
4-Bromofluorobenzene	76	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8683.D
Report Date: 02-Jun-2005 08:29

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8683.D
Lab Smp Id: HCDWL1AA Client Smp ID: GW-052305-JK-003
Inj Date : 02-JUN-2005 04:05
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HCDWL1AA,5ML/5ML
Misc Info : P50601B,8260LLUX10,1-8260GM.SUB,1904
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\8260LLUX10.m
Meth Date : 02-Jun-2005 08:07 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.SUB
Target Version: 4.14

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.007	4.998	(1.000)	915560	50.0000	
* 2 Chlorobenzene-d5	117	7.657	7.660	(1.000)	681863	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.894	9.885	(1.000)	259465	50.0000	
$ 4 Dibromofluoromethane	113	4.439	4.442	(0.887)	211925	56.7007	11.340
$ 5 1,2-Dichloroethane-d4	65	4.723	4.726	(0.943)	258400	56.6163	11.323
$ 6 Toluene-d8	98	6.356	6.359	(0.830)	619447	46.7144	9.343
$ 7 Bromofluorobenzene	95	8.769	8.761	(1.145)	183628	38.0736	7.615
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.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					
24 Methyl tert-butyl ether	73	Compound Not Detected.					
25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 1,1-Dichloroethane	63	Compound Not Detected.					

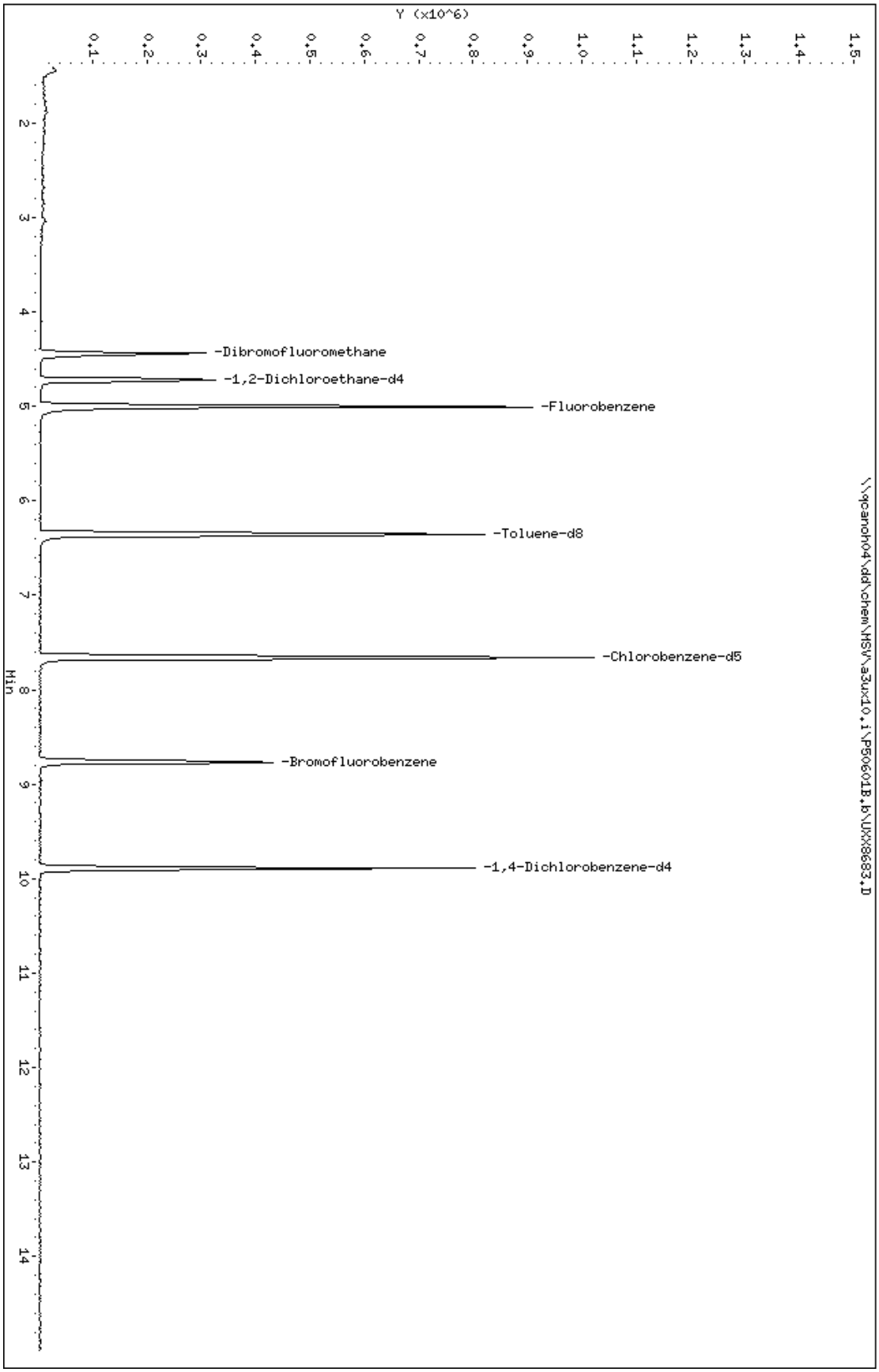
	30	2-Butanone	43	Compound Not Detected.
M	31	1,2-Dichloroethene (total)	96	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8683.D
Report Date: 02-Jun-2005 08:29

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	80 1,3-Dichlorobenzene	146	Compound Not Detected.					
	81 1,4-Dichlorobenzene	146	Compound Not Detected.					
	83 1,2-Dichlorobenzene	146	Compound Not Detected.					
	85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	98 Cyclohexane	56	Compound Not Detected.					
	143 Methyl Acetate	43	Compound Not Detected.					
	144 Methylcyclohexane	83	Compound Not Detected.					
	84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8683.D
Date : 02-JUN-2005 04:05
Client ID: GW-052305-JK-003
Sample Info: HCDWL1AA,5ML/5ML
Purge Volume: 5.0
Column Phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052305-JK-004

GC/MS Volatiles

Lot-Sample #...: A5E260235-004 **Work Order #...:** HCDWM1AA **Matrix.....:** WG
Date Sampled...: 05/23/05 15:45 **Date Received..:** 05/26/05
Prep Date.....: 06/02/05 **Analysis Date..:** 06/02/05
Prep Batch #...: 5153163
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	**0.18 J**	**1.0**	**ug/L**
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	**0.66 J**	**1.0**	**ug/L**
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052305-JK-004

GC/MS Volatiles

Lot-Sample #...: A5E260235-004 **Work Order #...:** HCDWM1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**0.94 J**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	**0.42 J**	**1.0**	**ug/L**
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(73 - 122)
1,2-Dichloroethane-d4	111	(61 - 128)
Toluene-d8	91	(76 - 110)
4-Bromofluorobenzene	74	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8684.D
Report Date: 02-Jun-2005 08:29

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8684.D
Lab Smp Id: HCDWM1AA Client Smp ID: GW-052305-JK-004
Inj Date : 02-JUN-2005 04:30
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HCDWM1AA,5ML/5ML
Misc Info : P50601B,8260LLUX10,1-8260GM.SUB,1904
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\8260LLUX10.m
Meth Date : 02-Jun-2005 08:07 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.SUB
Target Version: 4.14

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.006	4.998	(1.000)	934227	50.0000	
* 2 Chlorobenzene-d5	117	7.657	7.660	(1.000)	696735	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.893	9.885	(1.000)	265461	50.0000	
$ 4 Dibromofluoromethane	113	4.438	4.442	(0.887)	216015	56.6402	11.328
$ 5 1,2-Dichloroethane-d4	65	4.722	4.726	(0.943)	257401	55.2705	11.054
$ 6 Toluene-d8	98	6.355	6.359	(0.830)	616092	45.4697	9.094
$ 7 Bromofluorobenzene	95	8.769	8.761	(1.145)	182341	36.9997	7.400(R)
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.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					
24 Methyl tert-butyl ether	73	Compound Not Detected.					
25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 1,1-Dichloroethane	63	Compound Not Detected.					

	30	2-Butanone	43	Compound Not Detected.
M	31	1,2-Dichloroethene (total)	96	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8684.D
Report Date: 02-Jun-2005 08:29

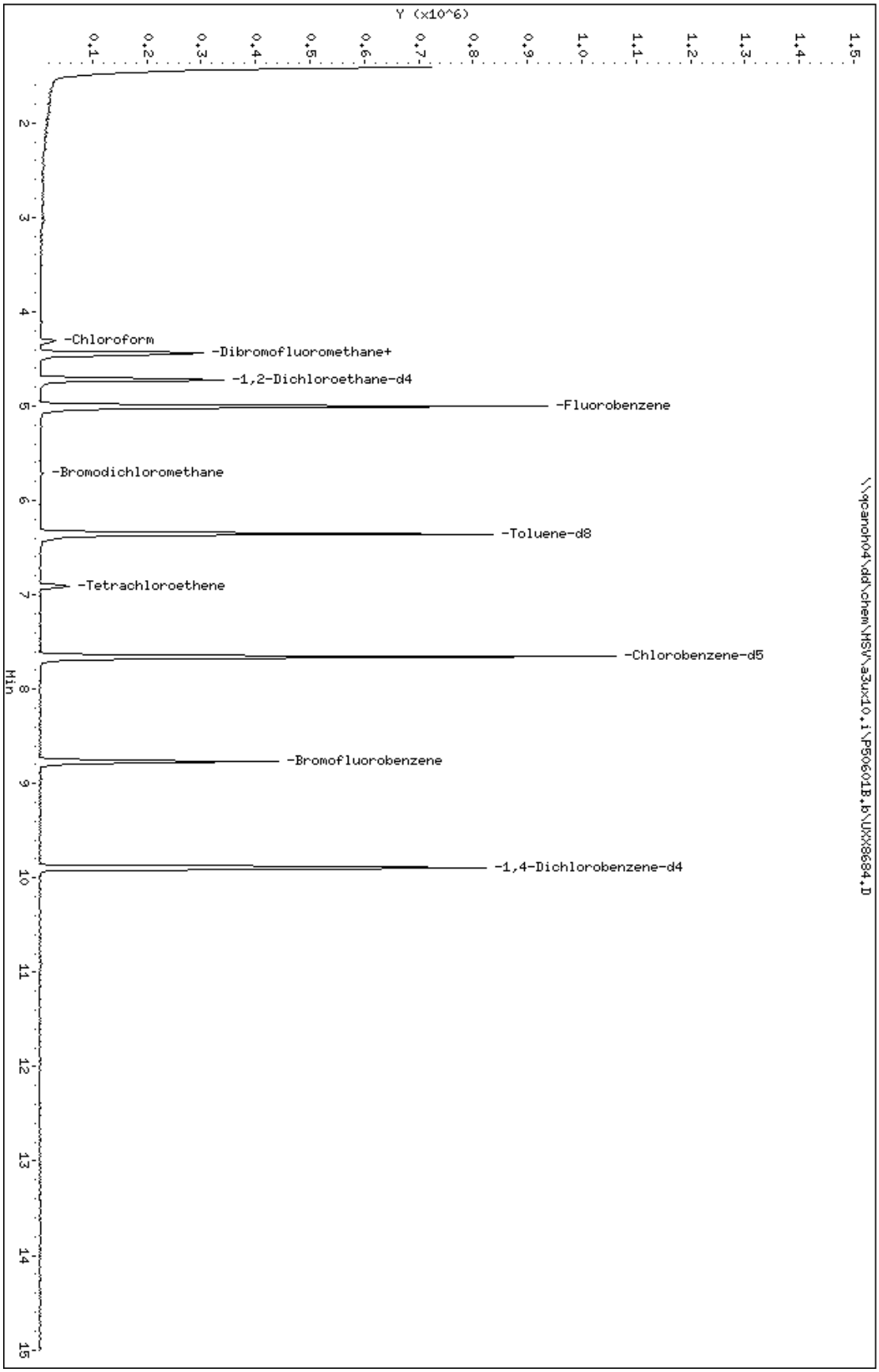
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	35 Chloroform	83	4.308	4.312	(0.861)	23617	3.28364	0.6567
	37 1,1,1-Trichloroethane	97	4.474	4.477	(0.894)	11453	2.11488	0.4230
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	46 Bromodichloromethane	83	5.716	5.720	(1.142)	4411	0.88141	0.1763
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	55 Tetrachloroethene	164	6.911	6.915	(0.903)	15971	4.69568	0.9391
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	80 1,3-Dichlorobenzene	146	Compound Not Detected.					
	81 1,4-Dichlorobenzene	146	Compound Not Detected.					
	83 1,2-Dichlorobenzene	146	Compound Not Detected.					
	85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	98 Cyclohexane	56	Compound Not Detected.					
	143 Methyl Acetate	43	Compound Not Detected.					
	144 Methylcyclohexane	83	Compound Not Detected.					
	84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8684.D
Date : 02-JUN-2005 04:30
Client ID: GW-052305-JK-004
Sample Info: HCDWH1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8684.D

Date : 02-JUN-2005 04:30

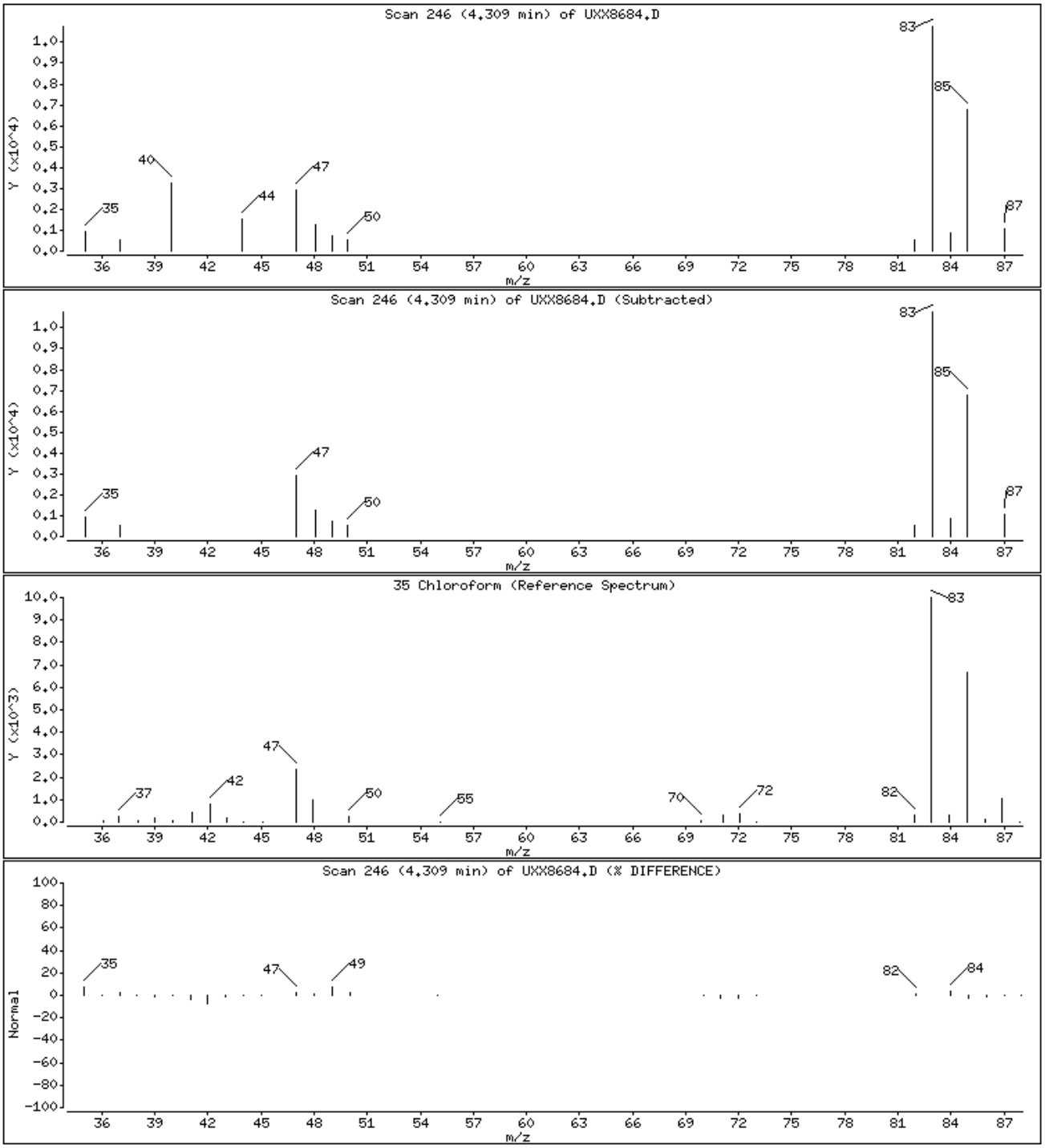
Client ID: GW-052305-JK-004 Instrument: a3ux10.i

Sample Info: HCDWM1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

35 Chloroform Concentration: 0.6567 ug/L



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Date : 02-JUN-2005 04:30

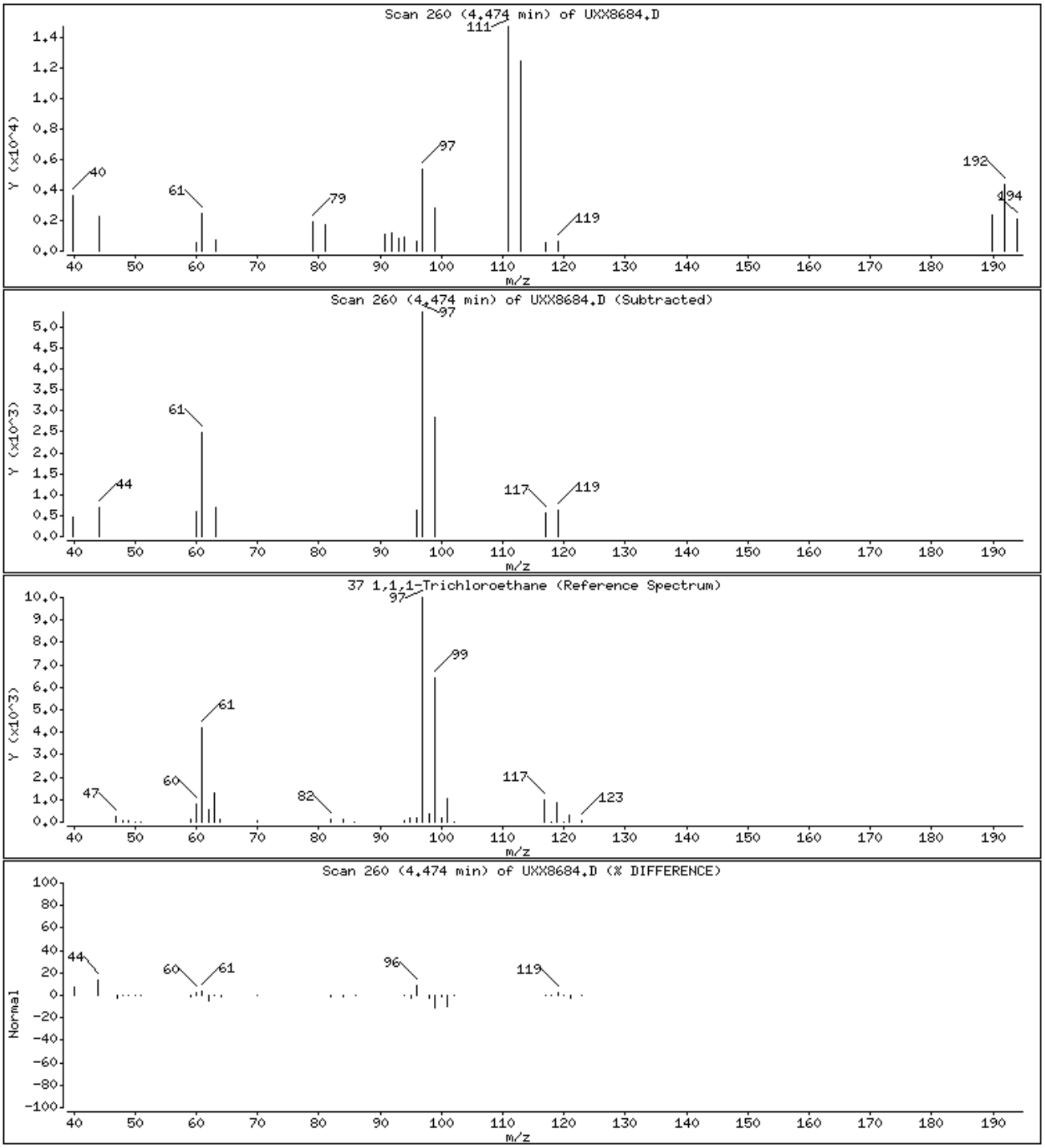
Client ID: GW-052305-JK-004 Instrument: a3ux10.i

Sample Info: HCDWM1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

37 1,1,1-Trichloroethane Concentration: 0.4230 ug/L



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Date : 02-JUN-2005 04:30

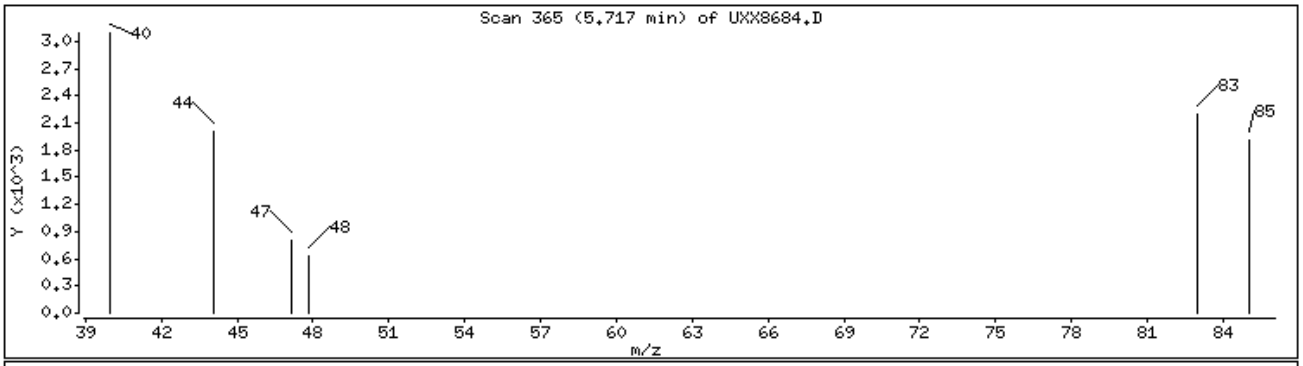
Client ID: GW-052305-JK-004 Instrument: a3ux10.i

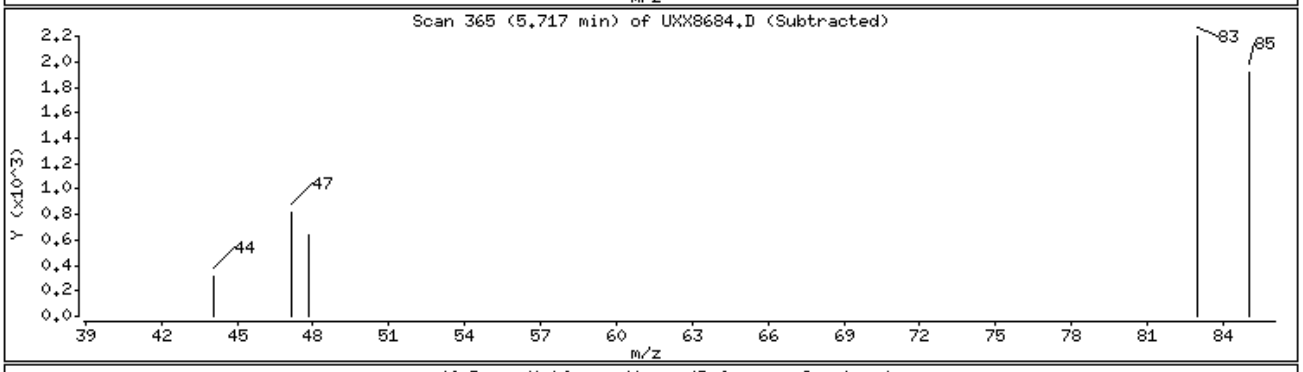
Sample Info: HCDWM1AA,5ML/5ML

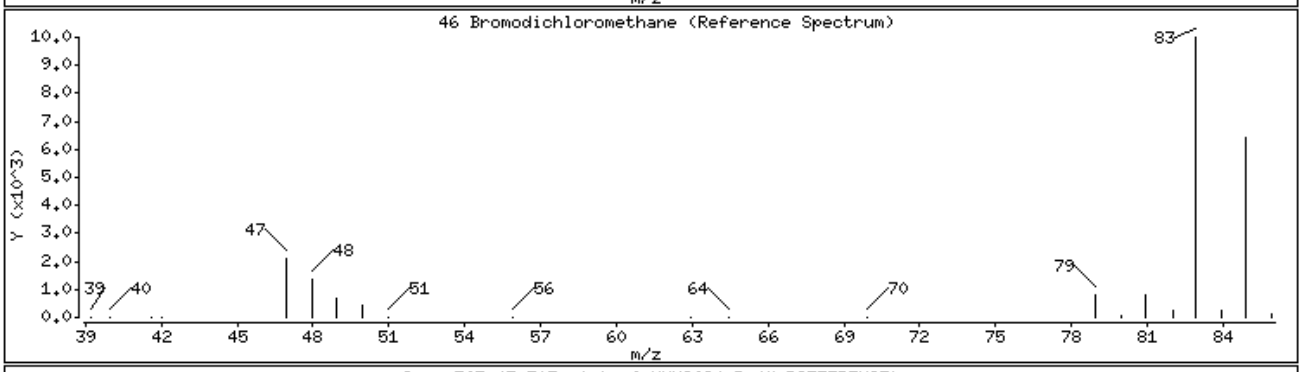
Purge Volume: 5.0 Operator: 1904

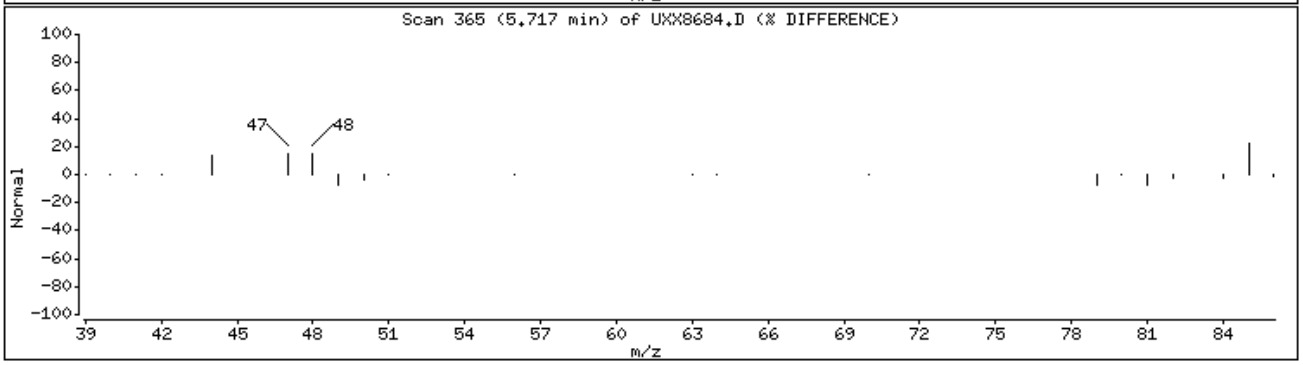
Column phase: DB624 Column diameter: 0.18

46 Bromodichloromethane Concentration: 0.1763 ug/L









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Date : 02-JUN-2005 04:30

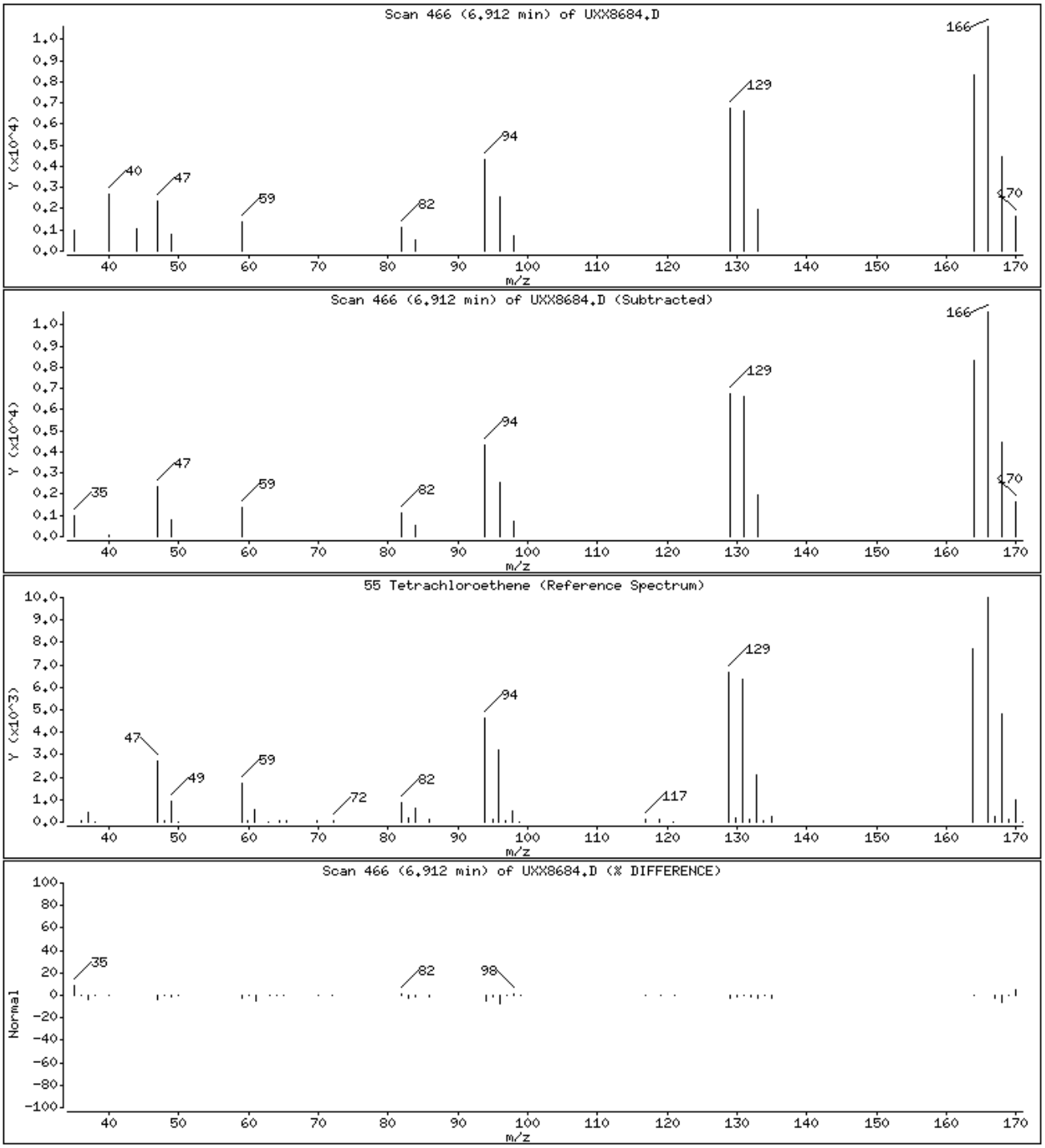
Client ID: GW-052305-JK-004 Instrument: a3ux10.i

Sample Info: HCDWM1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 0.9391 ug/L



Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052305-JK-005

GC/MS Volatiles

Lot-Sample #...: A5E260235-005 **Work Order #...:** HCDWP1AA **Matrix.....:** WG
Date Sampled...: 05/23/05 15:50 **Date Received..:** 05/26/05
Prep Date.....: 06/06/05 **Analysis Date..:** 06/06/05
Prep Batch #...: 5158057
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	**0.47 J**	**1.0**	**ug/L**
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052305-JK-005

GC/MS Volatiles

Lot-Sample #...: A5E260235-005 **Work Order #...:** HCDWP1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**0.80 J**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	**0.33 J**	**1.0**	**ug/L**
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(73 - 122)
1,2-Dichloroethane-d4	98	(61 - 128)
Toluene-d8	93	(76 - 110)
4-Bromofluorobenzene	88	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50606A.b\UX93828.D
Report Date: 07-Jun-2005 08:37

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50606A.b\UX93828.D
Lab Smp Id: HCDWP1AA Client Smp ID: GW-052305-JK-005
Inj Date : 06-JUN-2005 14:59
Operator : 1754 Inst ID: a3ux9.i
Smp Info : HCDWP1AA,5ML/5ML
Misc Info : N50606A,8260MIUX9,,1754
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50606A.b\8260MIUX9.m
Meth Date : 06-Jun-2005 08:41 mcdaniels Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.096	5.097	(1.000)	786447	50.0000	
* 2 Chlorobenzene-d5	117	7.747	7.748	(1.000)	604917	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.983	9.984	(1.000)	254046	50.0000	
$ 4 Dibromofluoromethane	113	4.540	4.541	(0.891)	155028	48.0751	9.615
$ 5 1,2-Dichloroethane-d4	65	4.824	4.813	(0.947)	179573	48.8399	9.768
$ 6 Toluene-d8	98	6.445	6.446	(0.832)	768742	46.5227	9.304
$ 7 Bromofluorobenzene	95	8.847	8.848	(1.142)	279545	43.9747	8.795
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50606A.b\UX93828.D
Report Date: 07-Jun-2005 08:37

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.410	4.411	(0.865)	14373	2.36443	0.4729
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.576	4.577	(0.898)	8251	1.63224	0.3264
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.818	5.819	(1.142)	2714	0.62154	0.1243
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.505	6.505	(0.840)	10747	0.53000	0.1060
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.001	7.002	(0.904)	14546	3.98348	0.7967
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

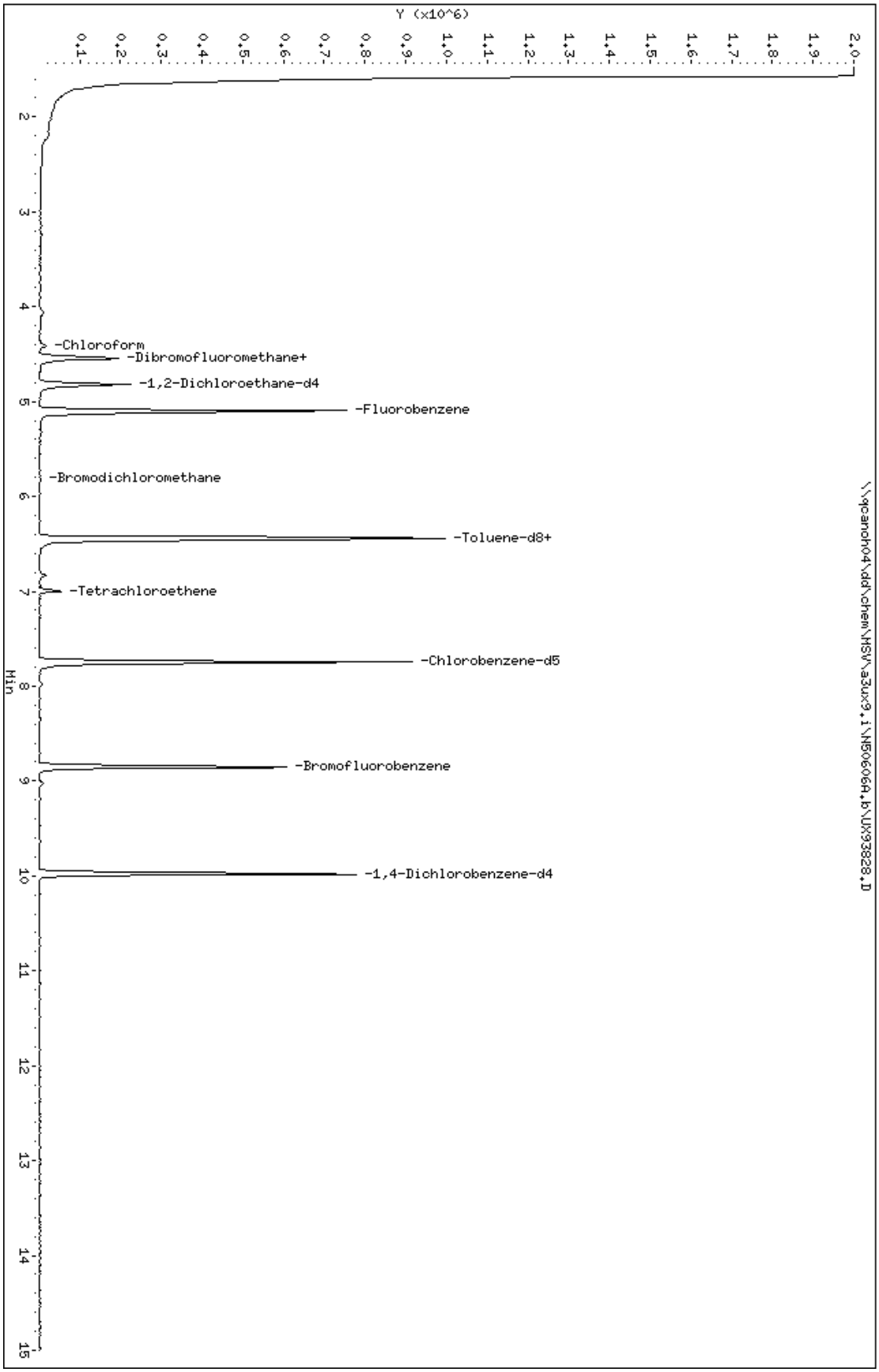
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50606A.b\UX93828.D
Report Date: 07-Jun-2005 08:37

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50606A.b\UX93828.D
Date : 06-JUN-2005 14:59
Client ID: GW-052305-JK-005
Sample Info: HCDWP1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9.i
Operator: 1754
Column diameter: 0.18



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Date : 06-JUN-2005 14:59

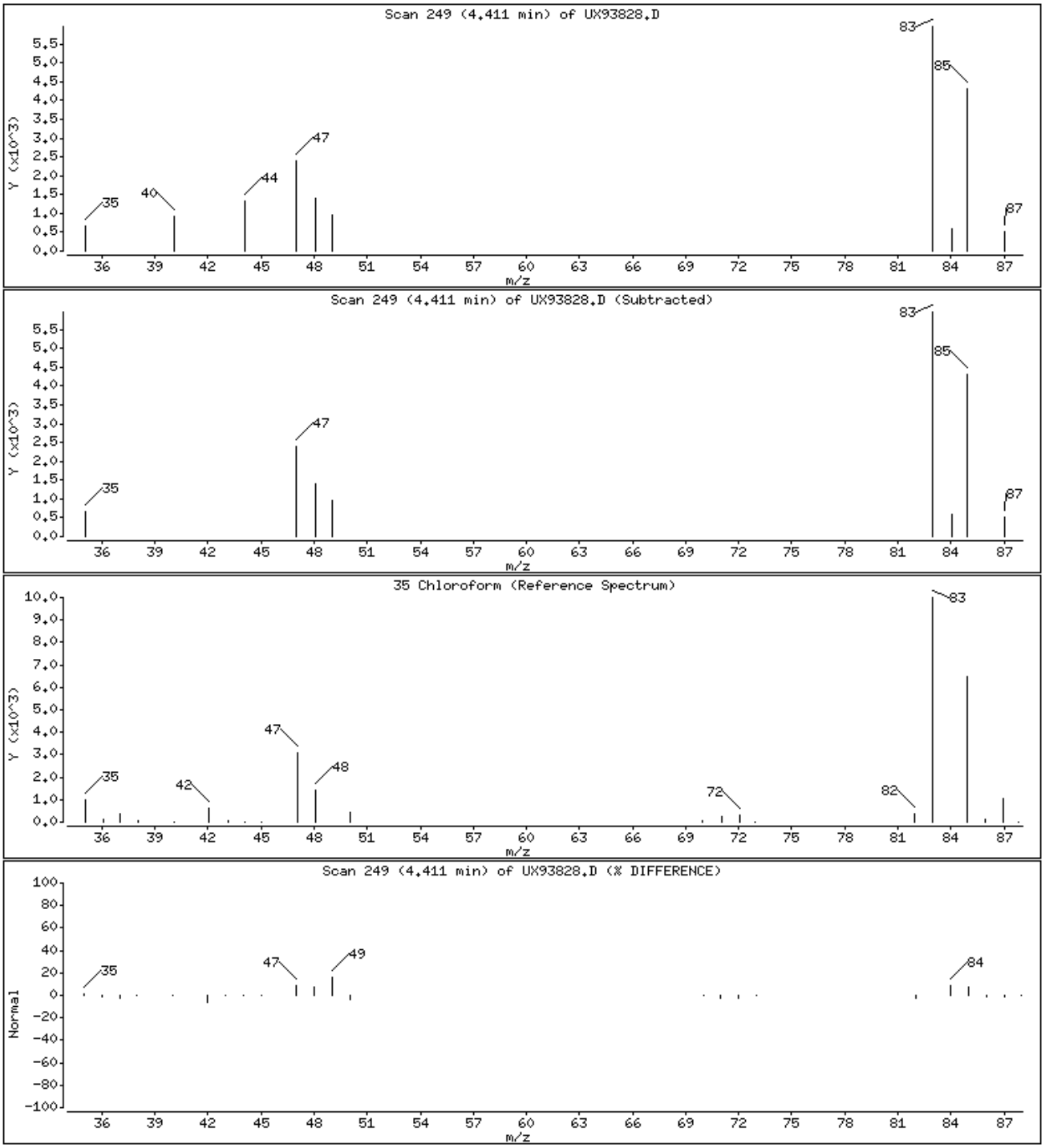
Client ID: GW-052305-JK-005 Instrument: a3ux9.i

Sample Info: HCDWP1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 Column diameter: 0.18

35 Chloroform Concentration: 0.4729 ug/L



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Date : 06-JUN-2005 14:59

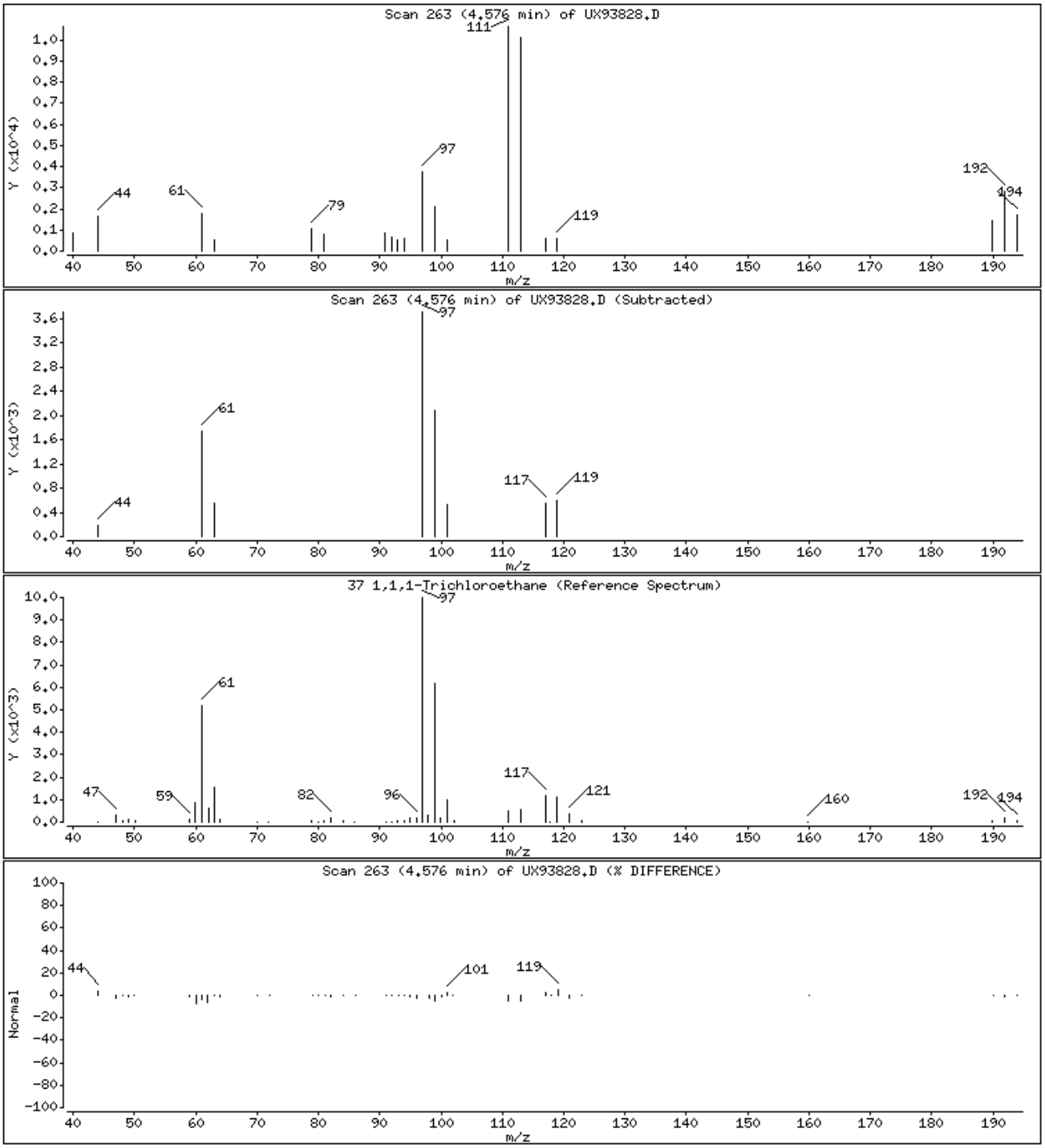
Client ID: GW-052305-JK-005 Instrument: a3ux9.i

Sample Info: HCDWP1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 Column diameter: 0.18

37 1,1,1-Trichloroethane Concentration: 0.3264 ug/L



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Date : 06-JUN-2005 14:59

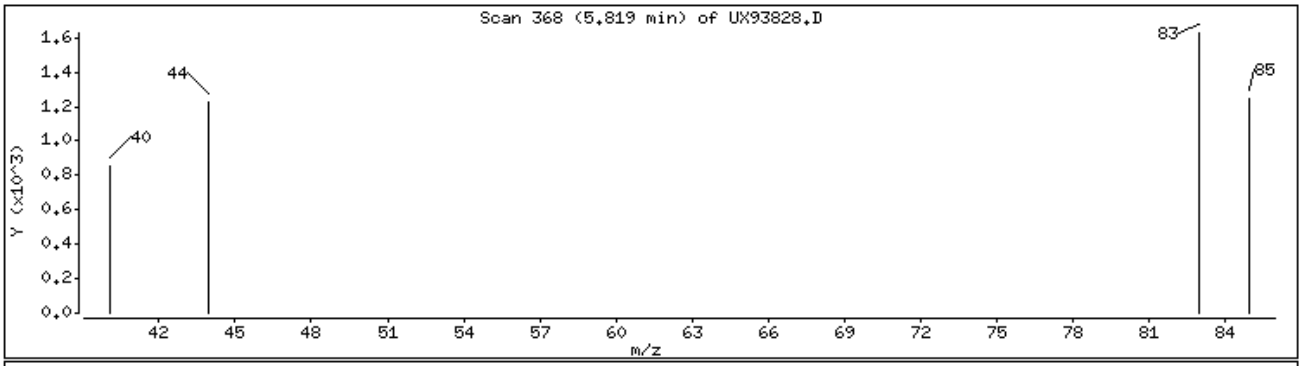
Client ID: GW-052305-JK-005 Instrument: a3ux9.i

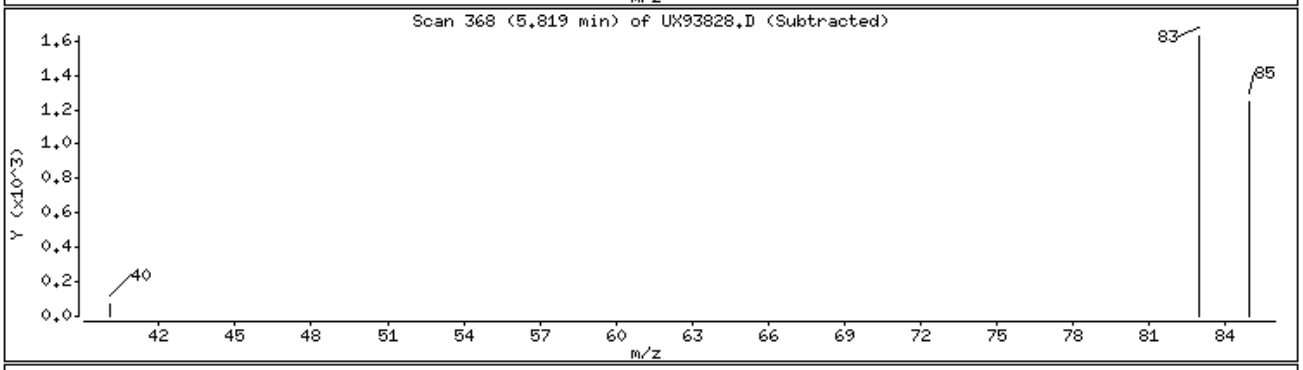
Sample Info: HCDWP1AA,5ML/5ML

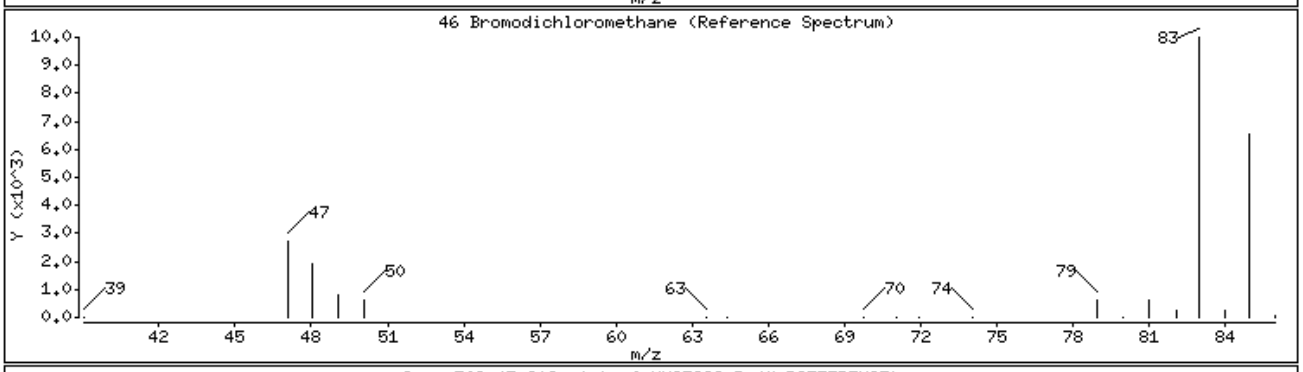
Purge Volume: 5.0 Operator: 1754

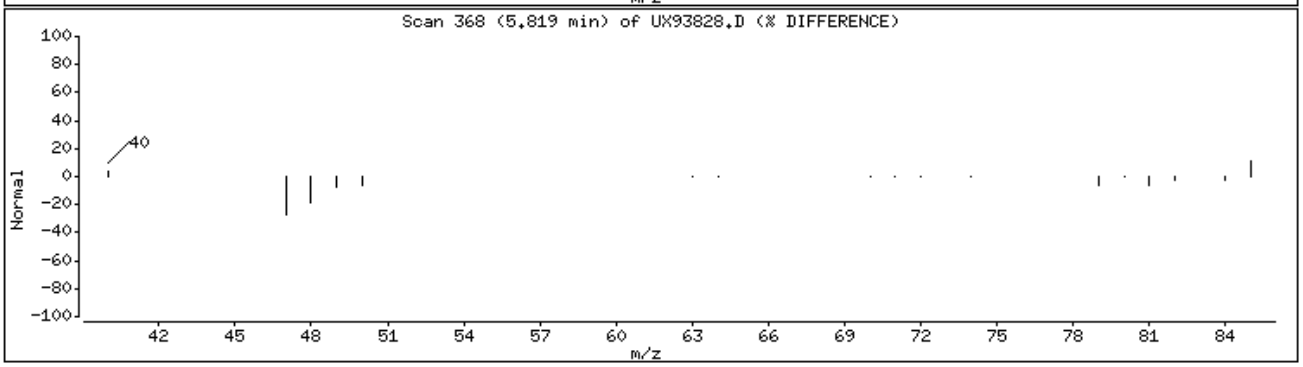
Column phase: DB624 Column diameter: 0.18

46 Bromodichloromethane Concentration: 0.1243 ug/L









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Date : 06-JUN-2005 14:59

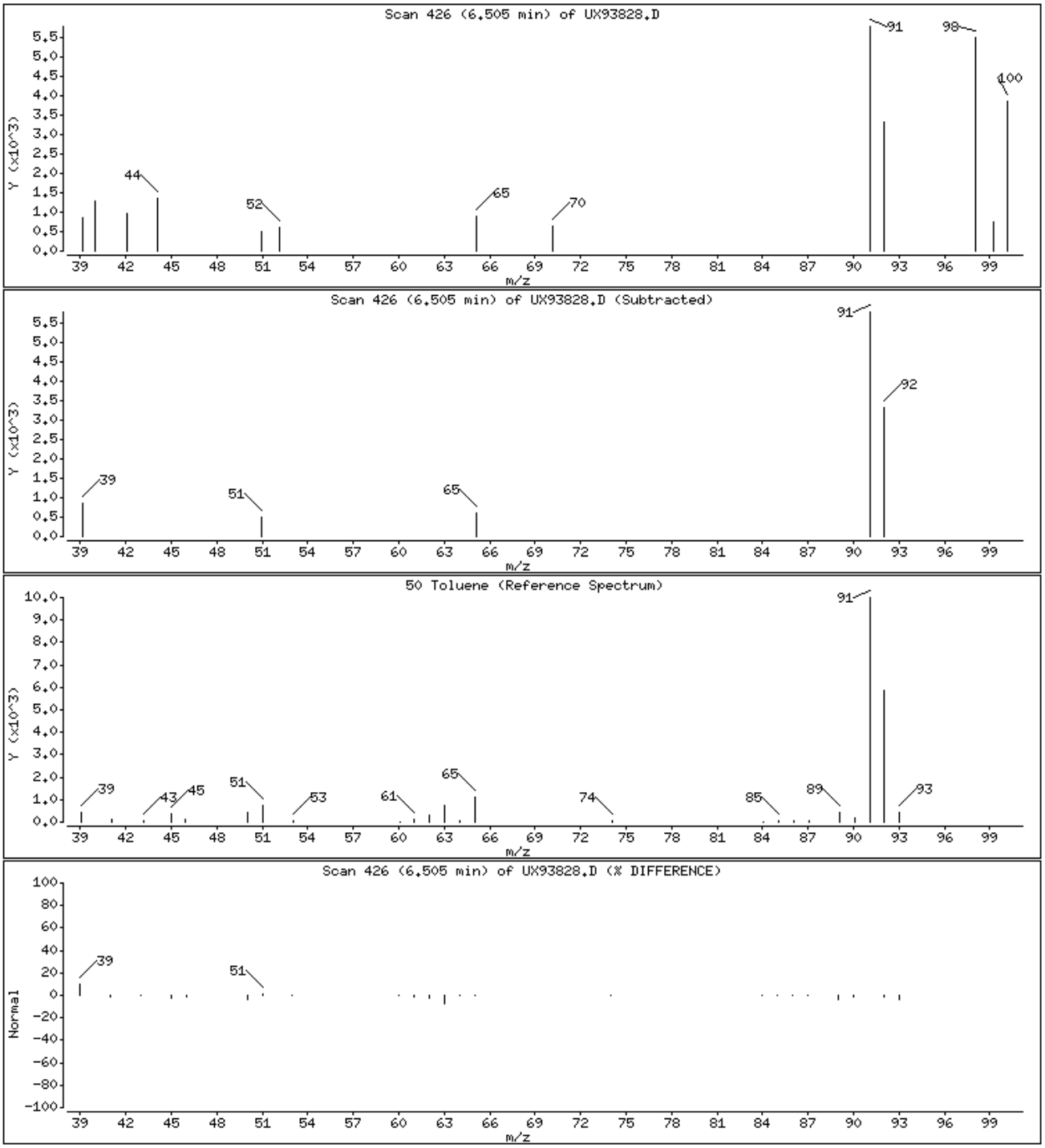
Client ID: GW-052305-JK-005 Instrument: a3ux9.i

Sample Info: HCDWP1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 0.1060 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50606A.b\UX93828.D

Date : 06-JUN-2005 14:59

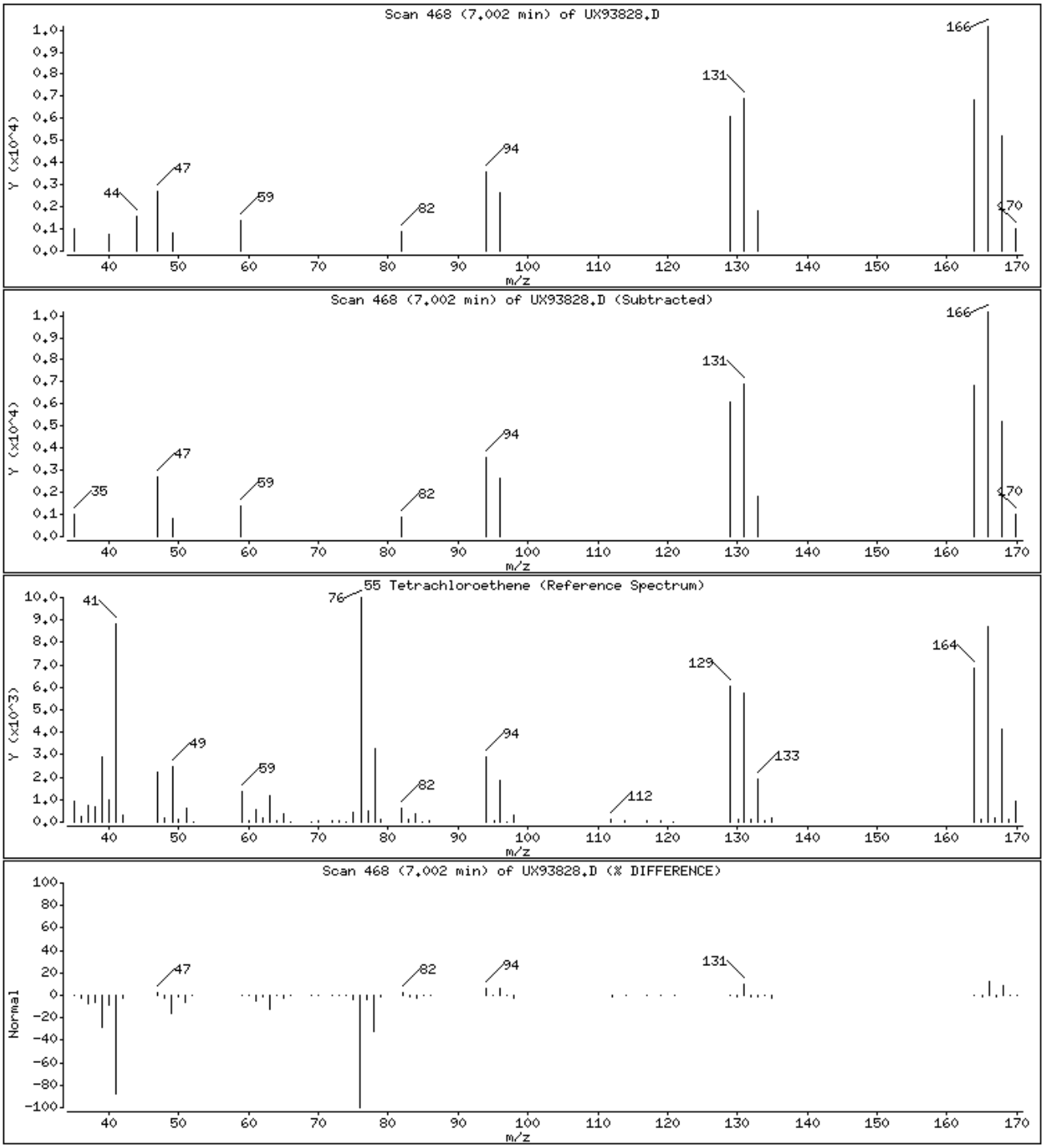
Client ID: GW-052305-JK-005 Instrument: a3ux9.i

Sample Info: HCDWP1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 0.7967 ug/L



Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052305-JK-006

GC/MS Volatiles

Lot-Sample #...: A5E260235-006 **Work Order #...:** HCDWQ1AA **Matrix.....:** WG
Date Sampled...: 05/23/05 16:50 **Date Received..:** 05/26/05
Prep Date.....: 06/02/05 **Analysis Date..:** 06/02/05
Prep Batch #...: 5153163
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052305-JK-006

GC/MS Volatiles

Lot-Sample #...: A5E260235-006 **Work Order #...:** HCDWQ1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	**5.4**	**1.0**	**ug/L**
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	115	(73 - 122)
1,2-Dichloroethane-d4	110	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	74	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8686.D
Report Date: 02-Jun-2005 08:30

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8686.D
Lab Smp Id: HCDWQ1AA Client Smp ID: GW-052305-JK-006
Inj Date : 02-JUN-2005 05:20
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HCDWQ1AA,5ML/5ML
Misc Info : P50601B,8260LLUX10,1-8260GM.SUB,1904
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\8260LLUX10.m
Meth Date : 02-Jun-2005 08:07 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.SUB
Target Version: 4.14

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	4.998	4.998	(1.000)	951987	50.0000	
* 2 Chlorobenzene-d5	117	7.660	7.660	(1.000)	685054	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.897	9.885	(1.000)	268390	50.0000	
$ 4 Dibromofluoromethane	113	4.442	4.442	(0.889)	223530	57.5172	11.503
$ 5 1,2-Dichloroethane-d4	65	4.714	4.726	(0.943)	261537	55.1109	11.022
$ 6 Toluene-d8	98	6.359	6.359	(0.830)	637234	47.8320	9.566
$ 7 Bromofluorobenzene	95	8.761	8.761	(1.144)	179708	37.0872	7.417
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.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	2.655	2.655	(0.531)	69325	26.8499	5.370
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					
24 Methyl tert-butyl ether	73	Compound Not Detected.					
25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 1,1-Dichloroethane	63	Compound Not Detected.					

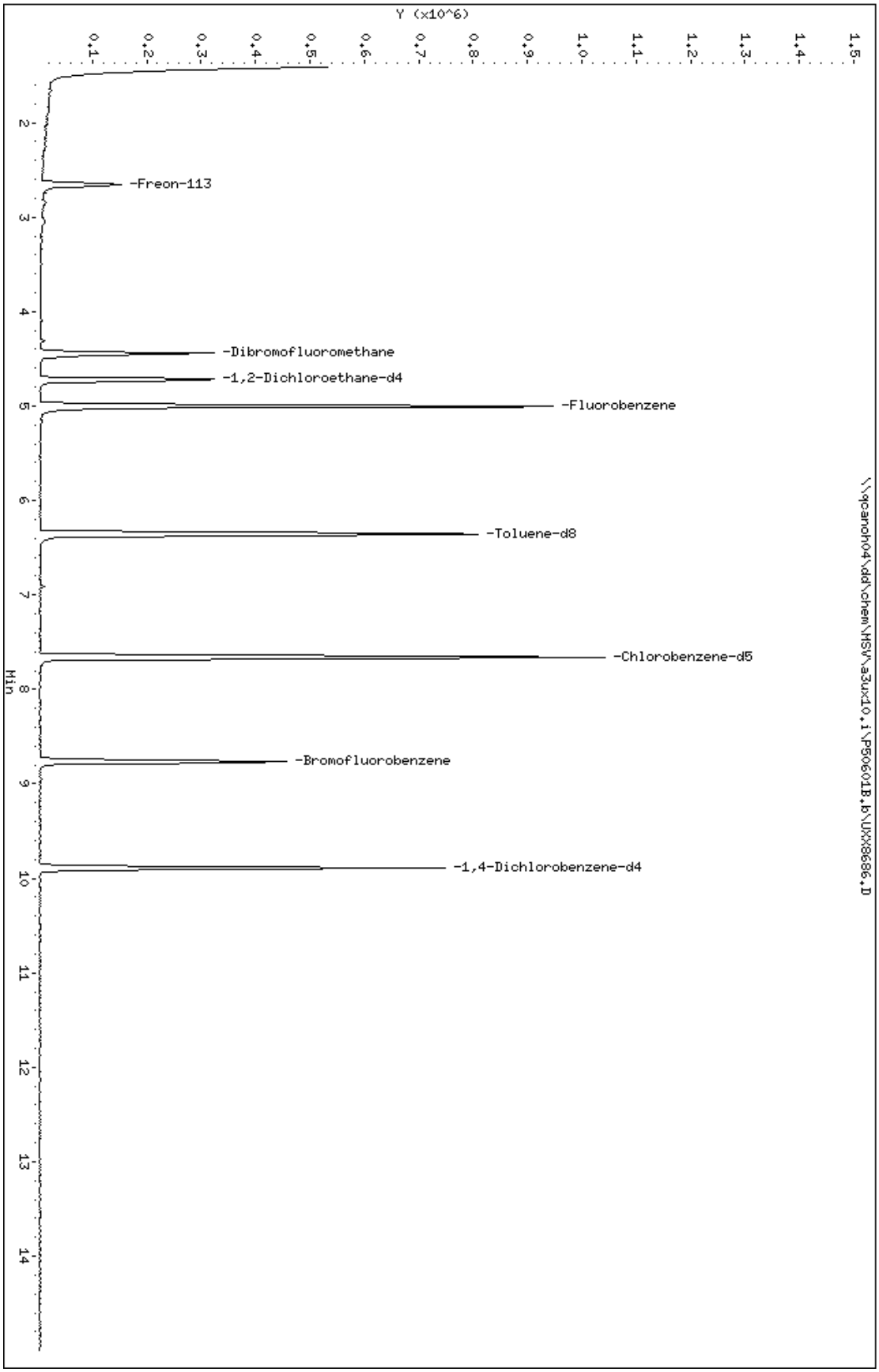
	30	2-Butanone	43	Compound Not Detected.
M	31	1,2-Dichloroethene (total)	96	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8686.D
Report Date: 02-Jun-2005 08:30

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	80 1,3-Dichlorobenzene	146	Compound Not Detected.					
	81 1,4-Dichlorobenzene	146	Compound Not Detected.					
	83 1,2-Dichlorobenzene	146	Compound Not Detected.					
	85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	98 Cyclohexane	56	Compound Not Detected.					
	143 Methyl Acetate	43	Compound Not Detected.					
	144 Methylcyclohexane	83	Compound Not Detected.					
	84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8686.D
Date : 02-JUN-2005 05:20
Client ID: GW-052305-JK-006
Sample Info: HCDWQ1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



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Date : 02-JUN-2005 05:20

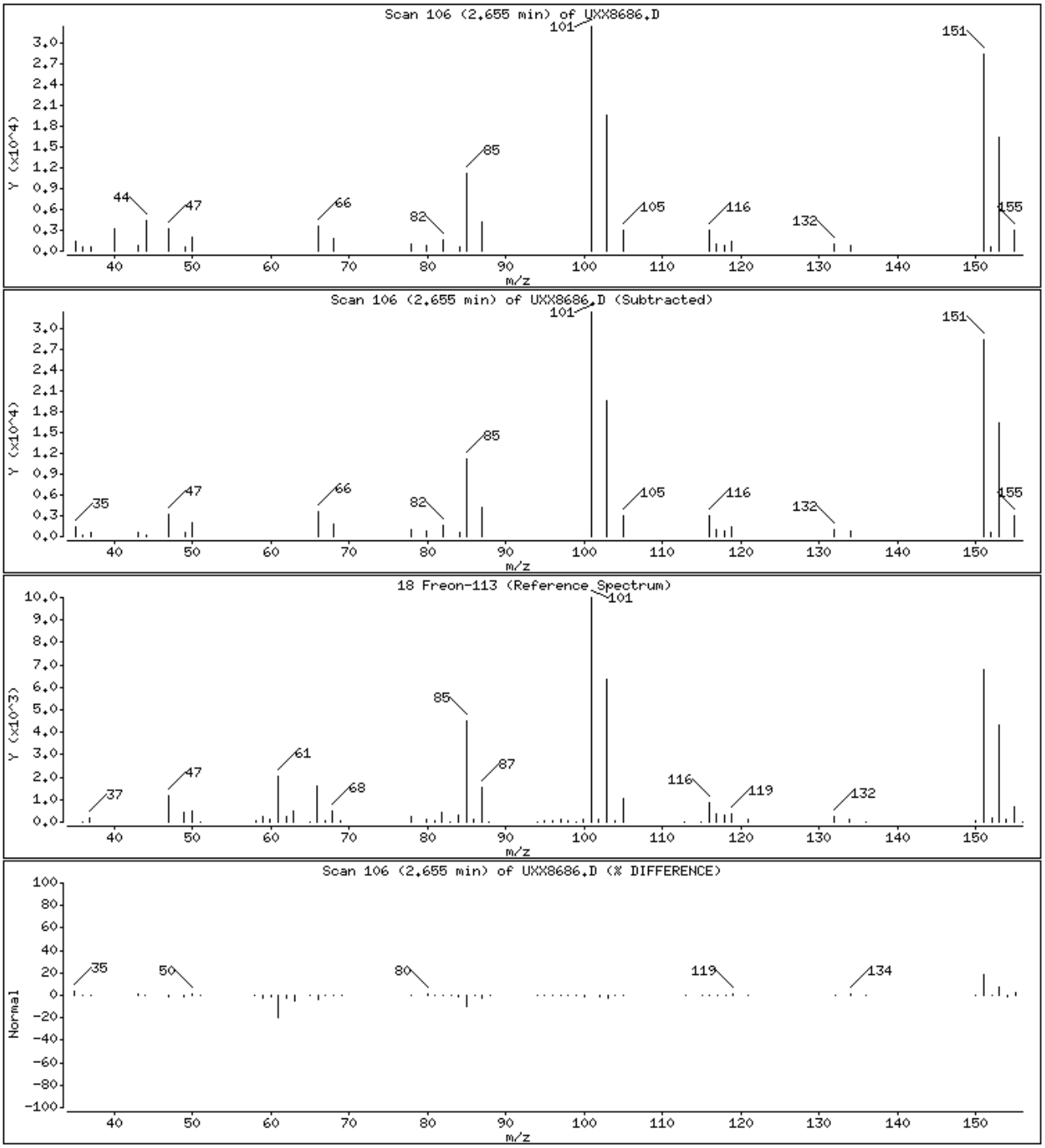
Client ID: GW-052305-JK-006 Instrument: a3ux10.i

Sample Info: HCDWQ1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

18 Freon-113 Concentration: 5.370 ug/L



Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052405-JK-007

GC/MS Volatiles

Lot-Sample #...: A5E260235-007 **Work Order #...:** HCDWT1AA **Matrix.....:** WG
Date Sampled...: 05/24/05 08:35 **Date Received..:** 05/26/05
Prep Date.....: 06/07/05 **Analysis Date..:** 06/07/05
Prep Batch #...: 5159092
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052405-JK-007

GC/MS Volatiles

Lot-Sample #...: A5E260235-007 **Work Order #...:** HCDWT1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(73 - 122)
1,2-Dichloroethane-d4	88	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	83	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50607A.b\UX93874.D
Report Date: 07-Jun-2005 10:45

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50607A.b\UX93874.D
Lab Smp Id: HCDWT1AA Client Smp ID: GW-052305-JK-007
Inj Date : 07-JUN-2005 10:24
Operator : 1754 Inst ID: a3ux9.i
Smp Info : HCDWT1AA,5ML/5ML
Misc Info : N50607A,8260MIUX9,,1754
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50607A.b\8260MIUX9.m
Meth Date : 07-Jun-2005 09:01 mcdaniels Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.096	5.097	(1.000)	735793	50.0000	
* 2 Chlorobenzene-d5	117	7.747	7.747	(1.000)	534392	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.983	9.984	(1.000)	215207	50.0000	
$ 4 Dibromofluoromethane	113	4.540	4.541	(0.891)	135012	44.7504	8.950
$ 5 1,2-Dichloroethane-d4	65	4.824	4.825	(0.947)	151406	44.0140	8.803
$ 6 Toluene-d8	98	6.445	6.446	(0.832)	698779	47.8697	9.574
$ 7 Bromofluorobenzene	95	8.847	8.848	(1.142)	233181	41.5222	8.304
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50607A.b\UX93874.D
Report Date: 07-Jun-2005 10:45

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.505	6.505	(0.840)	9115	0.50884	0.1018
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

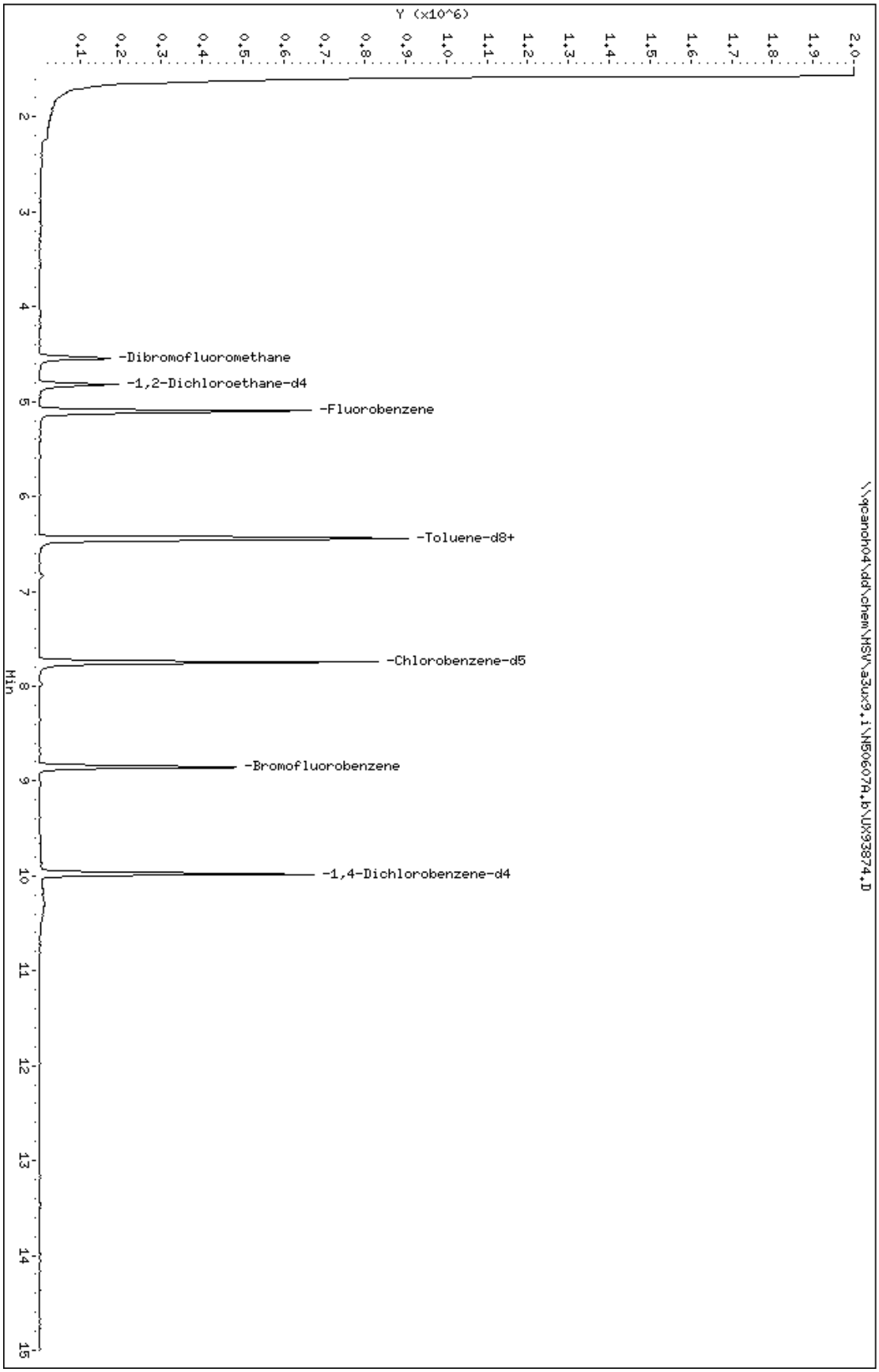
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50607A.b\UX93874.D
Report Date: 07-Jun-2005 10:45

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50607A.b\UX93874.D
Date : 07-JUN-2005 10:24
Client ID: GW-052305-JK-007
Sample Info: HCDWT1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9.i
Operator: 1754
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50607A.b\UX93874.D

Date : 07-JUN-2005 10:24

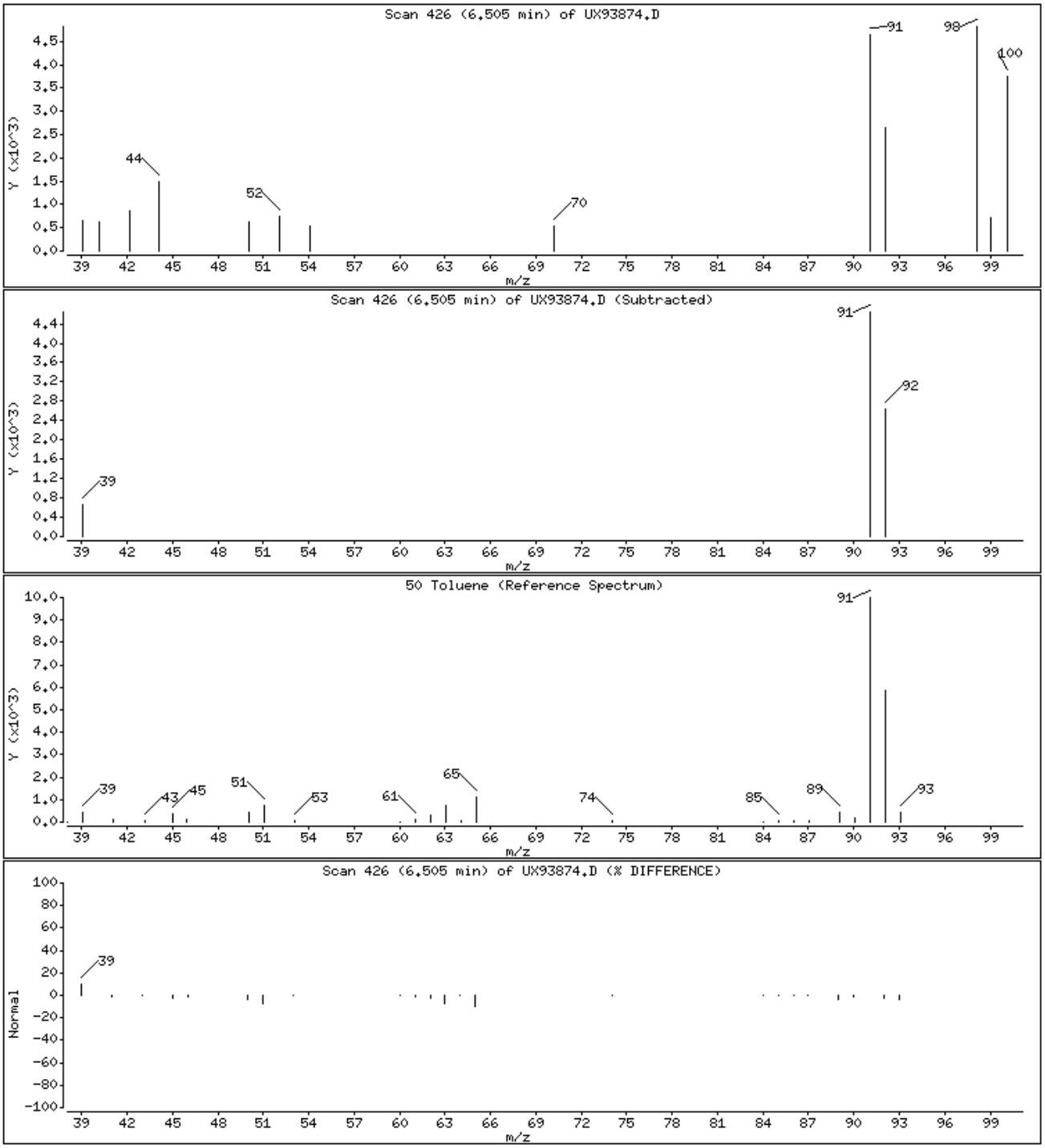
Client ID: GW-052305-JK-007 Instrument: a3ux9.i

Sample Info: HCDWT1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 0.1018 ug/L



Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052405-JK-008

GC/MS Volatiles

Lot-Sample #...: A5E260235-008 **Work Order #...:** HCDWW1AA **Matrix.....:** WG
Date Sampled...: 05/24/05 09:50 **Date Received..:** 05/26/05
Prep Date.....: 06/02/05 **Analysis Date..:** 06/02/05
Prep Batch #...: 5153163
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052405-JK-008

GC/MS Volatiles

Lot-Sample #...: A5E260235-008 **Work Order #...:** HCDWW1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	115	(73 - 122)
1,2-Dichloroethane-d4	111	(61 - 128)
Toluene-d8	93	(76 - 110)
4-Bromofluorobenzene	78	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8695.D
Report Date: 02-Jun-2005 10:13

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8695.D
Lab Smp Id: HCDWW1AA Client Smp ID: GW-052305-JK-008
Inj Date : 02-JUN-2005 09:06
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HCDWW1AA,5ML/5ML
Misc Info : P50601B,8260LLUX10,1-8260GM.SUB,1904
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50601B.b\8260LLUX10.m
Meth Date : 02-Jun-2005 08:07 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 27
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	4.997	4.998	(1.000)	906518	50.0000	
* 2 Chlorobenzene-d5	117	7.660	7.660	(1.000)	679267	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.896	9.885	(1.000)	265576	50.0000	
$ 4 Dibromofluoromethane	113	4.441	4.442	(0.889)	213575	57.7121	11.542
$ 5 1,2-Dichloroethane-d4	65	4.725	4.726	(0.946)	250491	55.4308	11.086
$ 6 Toluene-d8	98	6.358	6.359	(0.830)	615333	46.5815	9.316
$ 7 Bromofluorobenzene	95	8.760	8.761	(1.144)	187737	39.0743	7.815
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.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					
24 Methyl tert-butyl ether	73	Compound Not Detected.					
25 trans-1,2-Dichloroethene	96	Compound Not Detected.					

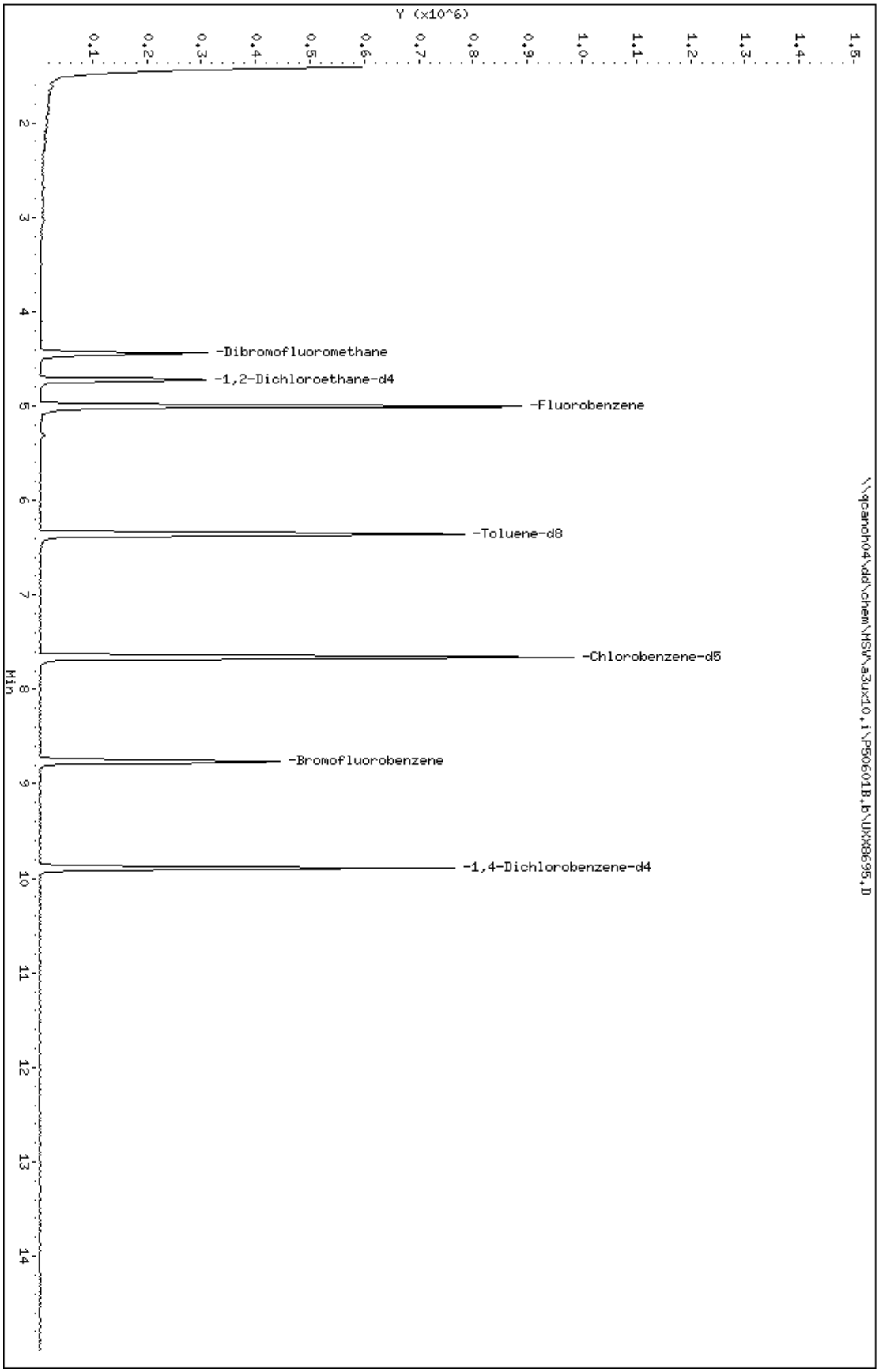
28	1,1-Dichloroethane	63	Compound Not Detected.
30	2-Butanone	43	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8695.D
Report Date: 02-Jun-2005 10:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
M 31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
32 cis-1,2-dichloroethene	96	Compound Not Detected.					
35 Chloroform	83	Compound Not Detected.					
37 1,1,1-Trichloroethane	97	Compound Not Detected.					
39 Carbon Tetrachloride	117	Compound Not Detected.					
40 1,2-Dichloroethane	62	Compound Not Detected.					
41 Benzene	78	Compound Not Detected.					
42 Trichloroethene	130	Compound Not Detected.					
43 1,2-Dichloropropane	63	Compound Not Detected.					
46 Bromodichloromethane	83	Compound Not Detected.					
48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
49 4-Methyl-2-pentanone	43	Compound Not Detected.					
50 Toluene	91	Compound Not Detected.					
51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
53 1,1,2-Trichloroethane	97	Compound Not Detected.					
55 Tetrachloroethene	164	Compound Not Detected.					
56 2-Hexanone	43	Compound Not Detected.					
57 Dibromochloromethane	129	Compound Not Detected.					
58 1,2-Dibromoethane	107	Compound Not Detected.					
59 Chlorobenzene	112	Compound Not Detected.					
61 Ethylbenzene	106	Compound Not Detected.					
62 m + p-Xylene	106	Compound Not Detected.					
M 63 Xylenes (total)	106	Compound Not Detected.					
64 Xylene-o	106	Compound Not Detected.					
65 Styrene	104	Compound Not Detected.					
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8695.D
Date : 02-JUN-2005 09:06
Client ID: GW-052305-JK-008
Sample Info: HCDWW1AA,5ML/5ML
Purge Volume: 5.0
Column Phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052405-JK-009

GC/MS Volatiles

Lot-Sample #...: A5E260235-009 **Work Order #...:** HCDW21AA **Matrix.....:** WG
Date Sampled...: 05/24/05 11:25 **Date Received..:** 05/26/05
Prep Date.....: 06/02/05 **Analysis Date..:** 06/02/05
Prep Batch #...: 5153163
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052405-JK-009

GC/MS Volatiles

Lot-Sample #...: A5E260235-009 **Work Order #...:** HCDW21AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	**0.86 J,B**	**1.0**	**ug/L**
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**1.3**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	**0.47 J**	**2.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(73 - 122)
1,2-Dichloroethane-d4	106	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	77	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8691.D
Report Date: 02-Jun-2005 08:32

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8691.D
Lab Smp Id: HCDW21AA Client Smp ID: GW-052305-JK-009
Inj Date : 02-JUN-2005 07:25
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HCDW21AA,5ML/5ML
Misc Info : P50601B,8260LLUX10,1-8260GM.SUB,1904
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\8260LLUX10.m
Meth Date : 02-Jun-2005 08:07 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 23
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.SUB
Target Version: 4.14

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	4.998	4.998	(1.000)	1008385	50.0000	
* 2 Chlorobenzene-d5	117	7.660	7.660	(1.000)	732237	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.897	9.885	(1.000)	284451	50.0000	
$ 4 Dibromofluoromethane	113	4.442	4.442	(0.889)	224551	54.5484	10.910
$ 5 1,2-Dichloroethane-d4	65	4.714	4.726	(0.943)	266198	52.9559	10.591
$ 6 Toluene-d8	98	6.359	6.359	(0.830)	674062	47.3361	9.467
$ 7 Bromofluorobenzene	95	8.761	8.761	(1.144)	199742	38.5656	7.713
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.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					
24 Methyl tert-butyl ether	73	Compound Not Detected.					
25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
28 1,1-Dichloroethane	63	Compound Not Detected.					

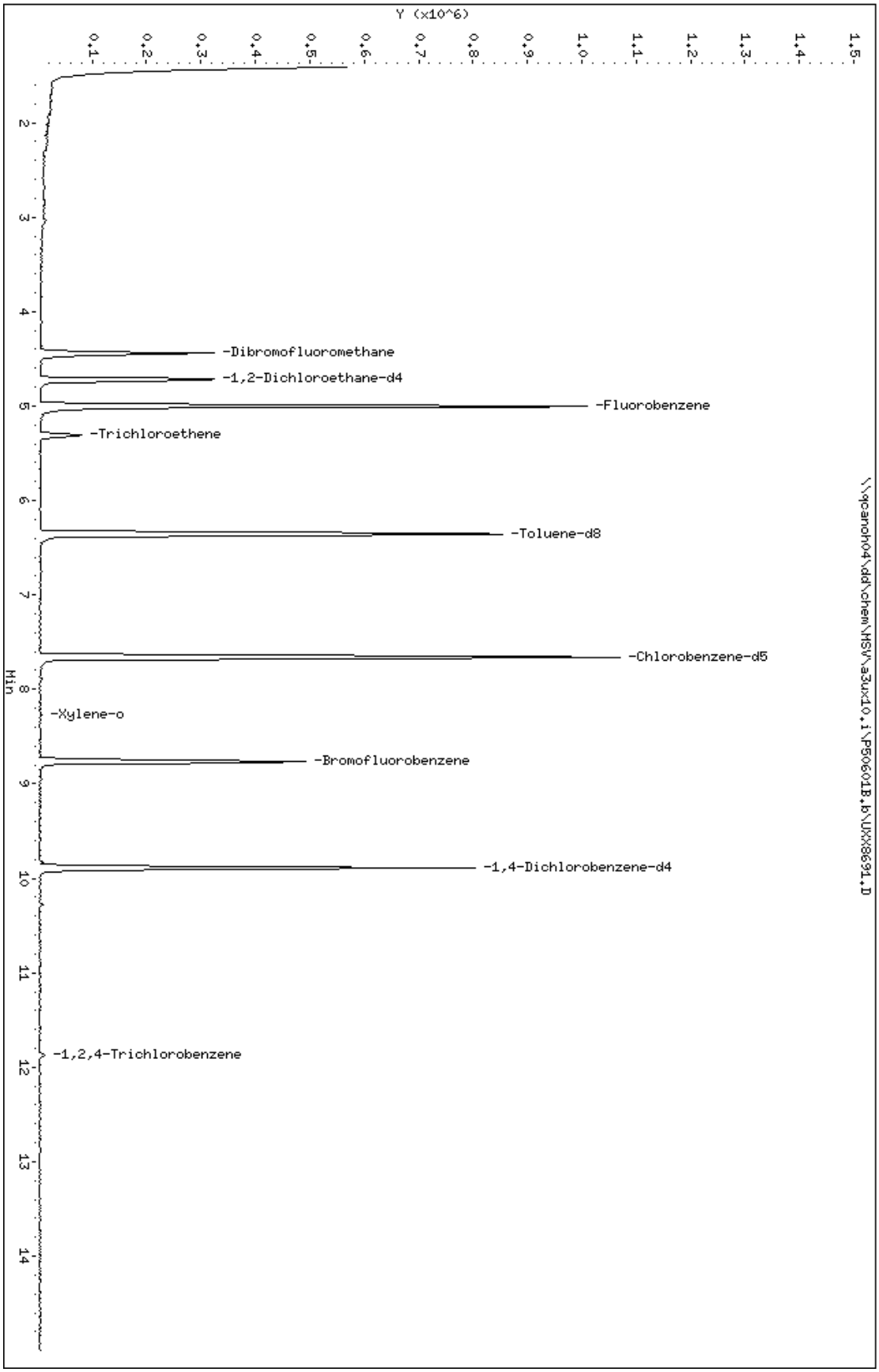
	30	2-Butanone	43	Compound Not Detected.
M	31	1,2-Dichloroethene (total)	96	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8691.D
Report Date: 02-Jun-2005 08:32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	5.306	5.318	(1.062)	29741	6.44811	1.290
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106				1060	2.36114	0.4722
	64 Xylene-o	106	8.264	8.264	(1.079)	1060	2.36114	0.4722
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	80 1,3-Dichlorobenzene	146	Compound Not Detected.					
	81 1,4-Dichlorobenzene	146	Compound Not Detected.					
	83 1,2-Dichlorobenzene	146	Compound Not Detected.					
	85 1,2,4-Trichlorobenzene	180	11.885	11.873	(1.201)	5599	4.30325	0.8606
	98 Cyclohexane	56	Compound Not Detected.					
	143 Methyl Acetate	43	Compound Not Detected.					
	144 Methylcyclohexane	83	Compound Not Detected.					
	84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8691.D
Date : 02-JUN-2005 07:25
Client ID: GW-052305-JK-009
Sample Info: HCDW21AA,5ML/5ML
Purge Volume: 5.0
Column Phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8691.D

Date : 02-JUN-2005 07:25

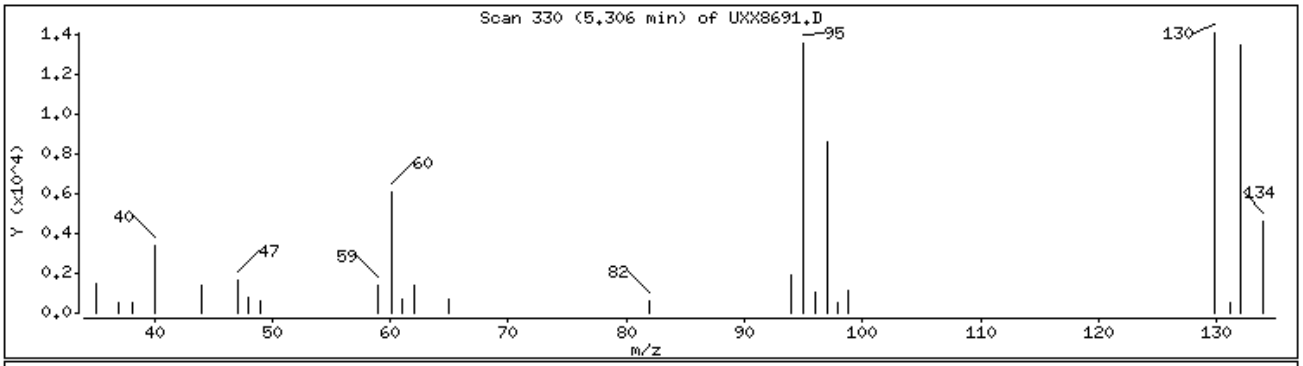
Client ID: GW-052305-JK-009 Instrument: a3ux10.i

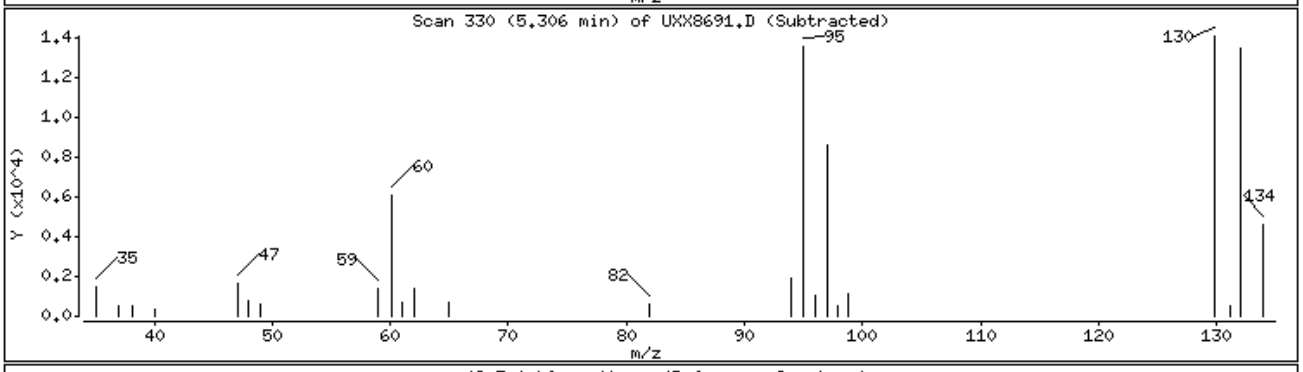
Sample Info: HCDW21AA,5ML/5ML

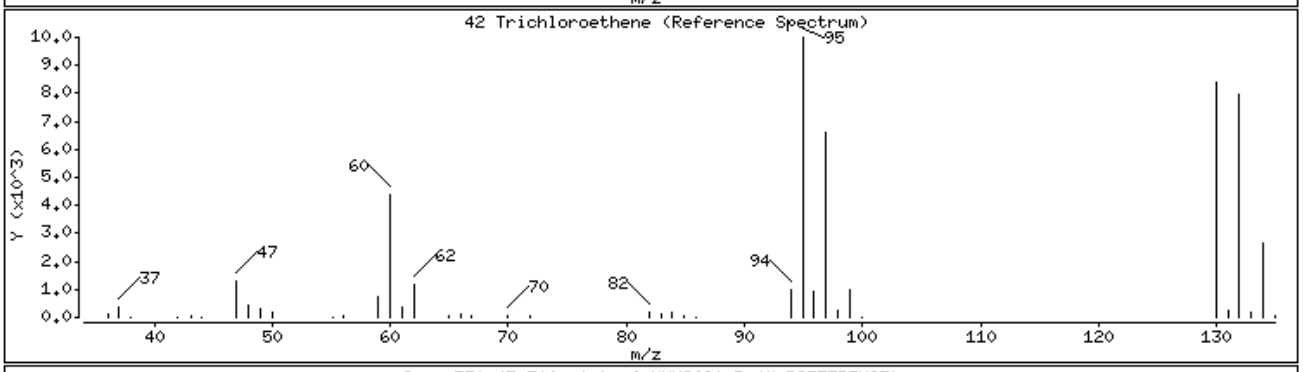
Purge Volume: 5.0 Operator: 1904

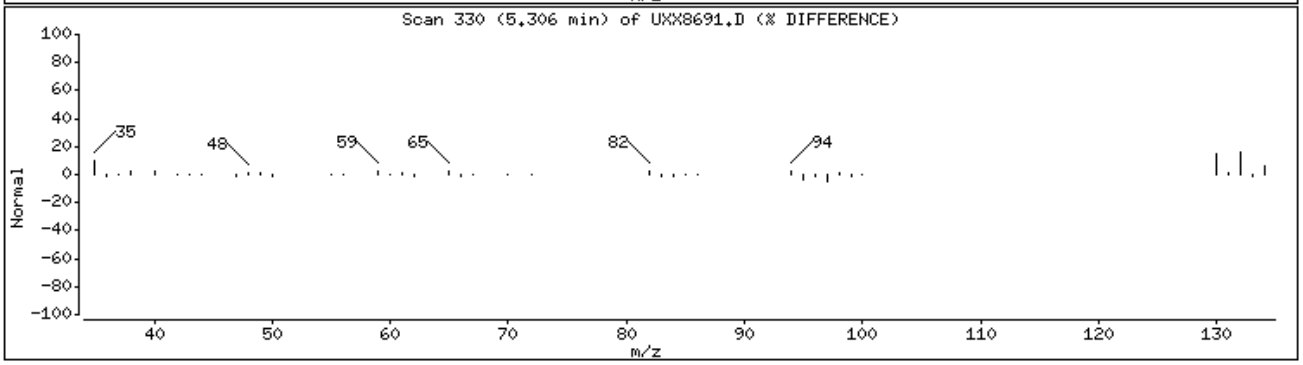
Column phase: DB624 Column diameter: 0.18

42 Trichloroethene Concentration: 1.290 ug/L









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Date : 02-JUN-2005 07:25

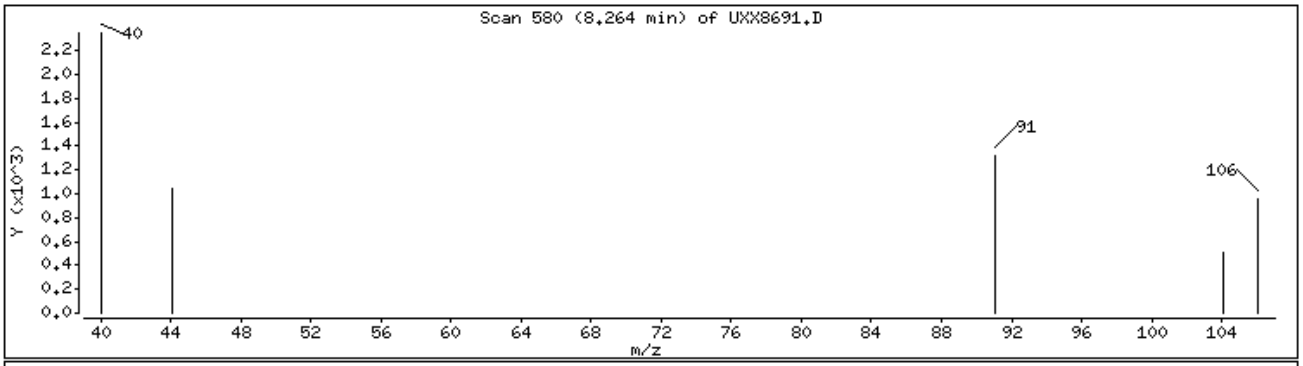
Client ID: GW-052305-JK-009 Instrument: a3ux10.i

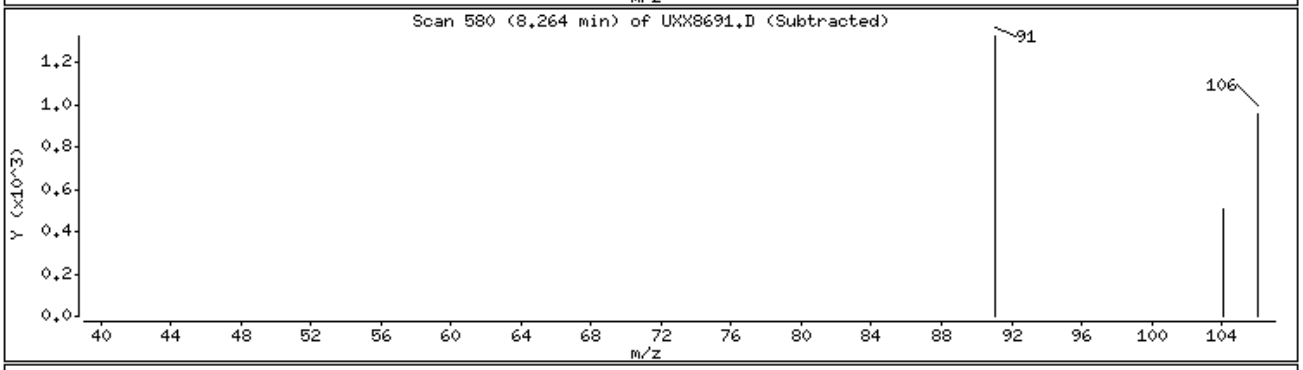
Sample Info: HCDW21AA,5ML/5ML

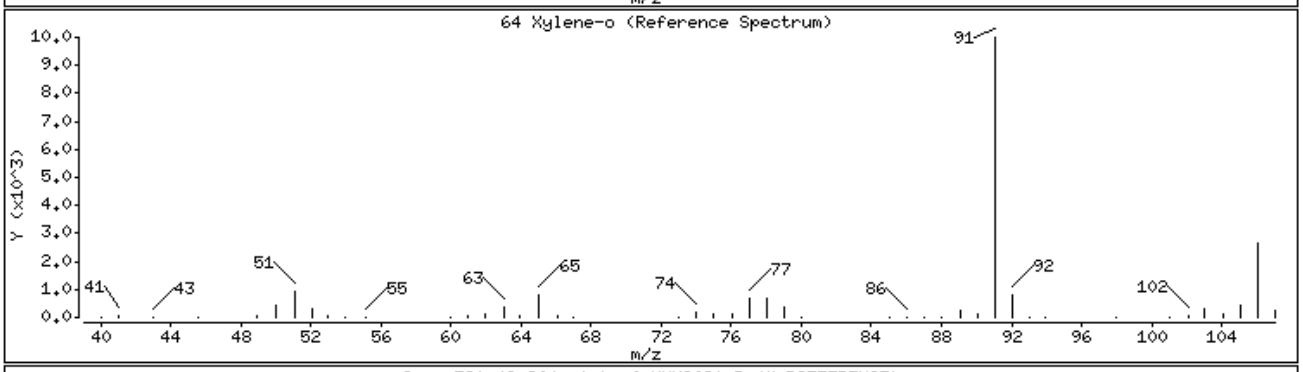
Purge Volume: 5.0 Operator: 1904

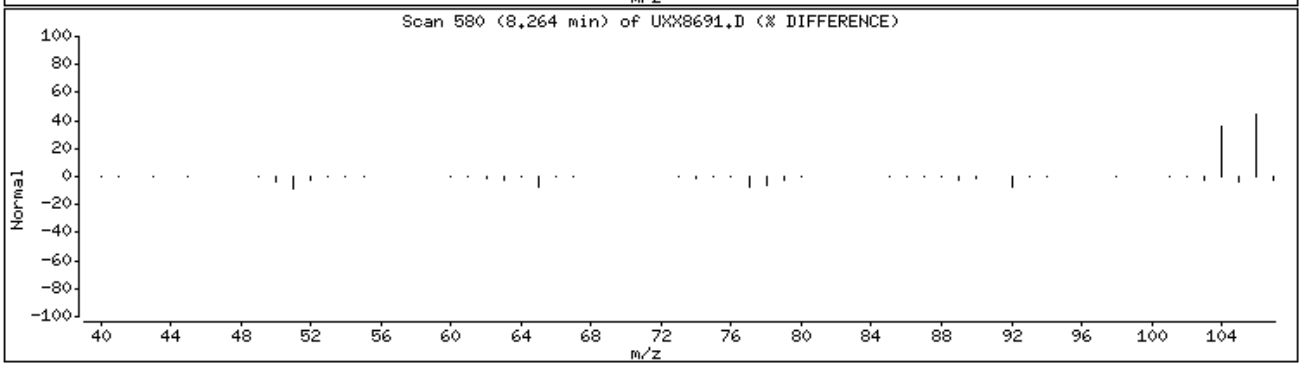
Column phase: DB624 Column diameter: 0.18

64 Xylene-o Concentration: 0.4722 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8691.D

Date : 02-JUN-2005 07:25

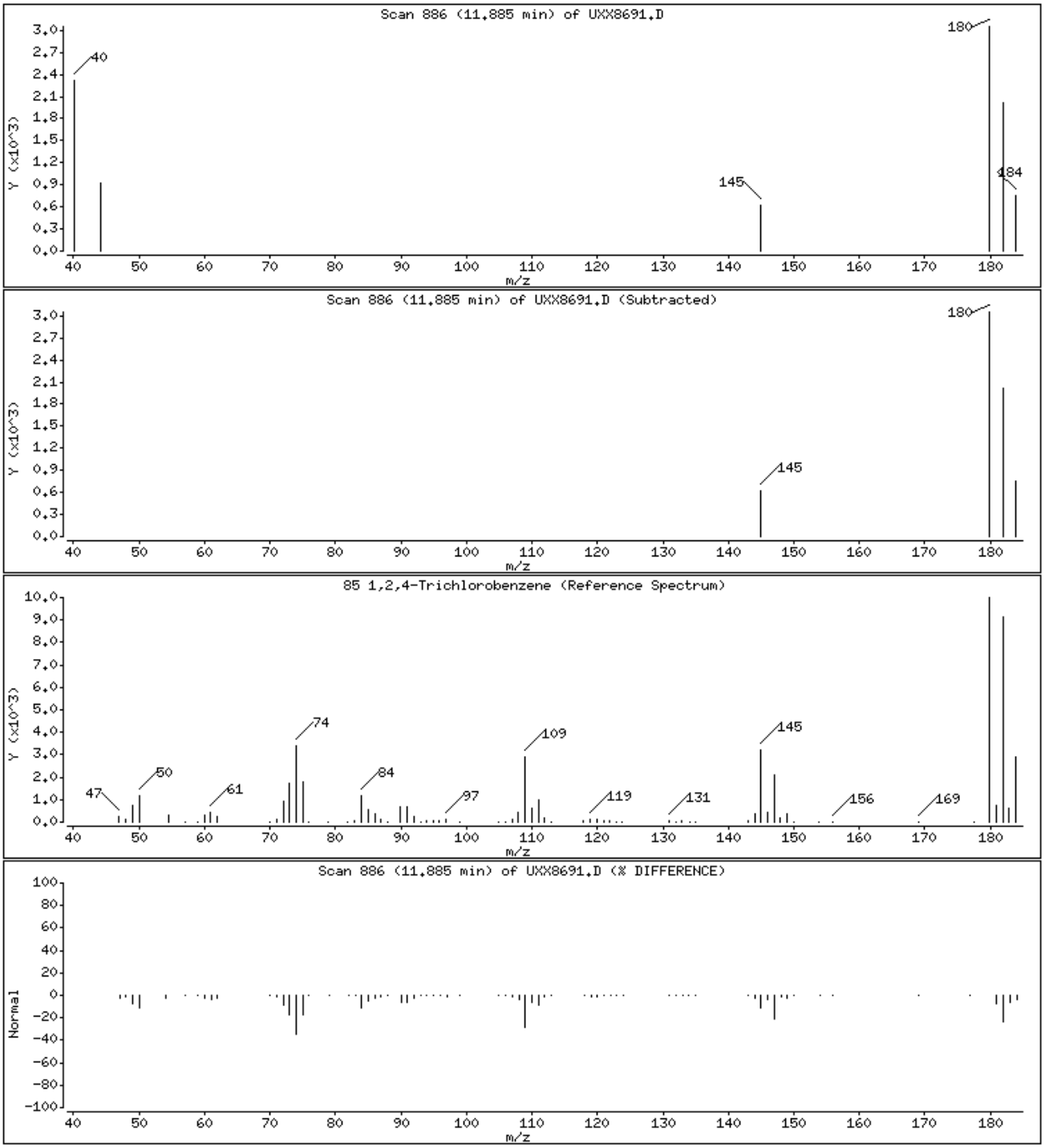
Client ID: GW-052305-JK-009 Instrument: a3ux10.i

Sample Info: HCDW21AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

85 1,2,4-Trichlorobenzene Concentration: 0.8606 ug/L



Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052405-JK-010

GC/MS Volatiles

Lot-Sample #...: A5E260235-010 **Work Order #...:** HCDW31AA **Matrix.....:** WG
Date Sampled...: 05/24/05 11:45 **Date Received..:** 05/26/05
Prep Date.....: 06/02/05 **Analysis Date..:** 06/02/05
Prep Batch #...: 5153163
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	**0.43 J**	**1.0**	**ug/L**
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052405-JK-010

GC/MS Volatiles

Lot-Sample #...: A5E260235-010 **Work Order #...:** HCDW31AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	115	(73 - 122)
1,2-Dichloroethane-d4	108	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	74	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8692.D
Report Date: 02-Jun-2005 08:33

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8692.D
Lab Smp Id: HCDW31AA Client Smp ID: GW-052305-JK-010
Inj Date : 02-JUN-2005 07:50
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HCDW31AA,5ML/5ML
Misc Info : P50601B,8260LLUX10,1-8260GM.SUB,1904
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50601B.b\8260LLUX10.m
Meth Date : 02-Jun-2005 08:07 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.008	4.998	(1.000)	978485	50.0000	
* 2 Chlorobenzene-d5	117	7.658	7.660	(1.000)	716370	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.895	9.885	(1.000)	276329	50.0000	
$ 4 Dibromofluoromethane	113	4.440	4.442	(0.887)	229022	57.3345	11.467
$ 5 1,2-Dichloroethane-d4	65	4.724	4.726	(0.943)	264027	54.1290	10.826
$ 6 Toluene-d8	98	6.357	6.359	(0.830)	653147	46.8832	9.377
$ 7 Bromofluorobenzene	95	8.759	8.761	(1.144)	187202	36.9449	7.389(R)
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	2.002	1.969	(0.400)	5661	2.16757	0.4335
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					
24 Methyl tert-butyl ether	73	Compound Not Detected.					
25 trans-1,2-Dichloroethene	96	Compound Not Detected.					

28	1,1-Dichloroethane	63	Compound Not Detected.
30	2-Butanone	43	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8692.D
Report Date: 02-Jun-2005 08:33

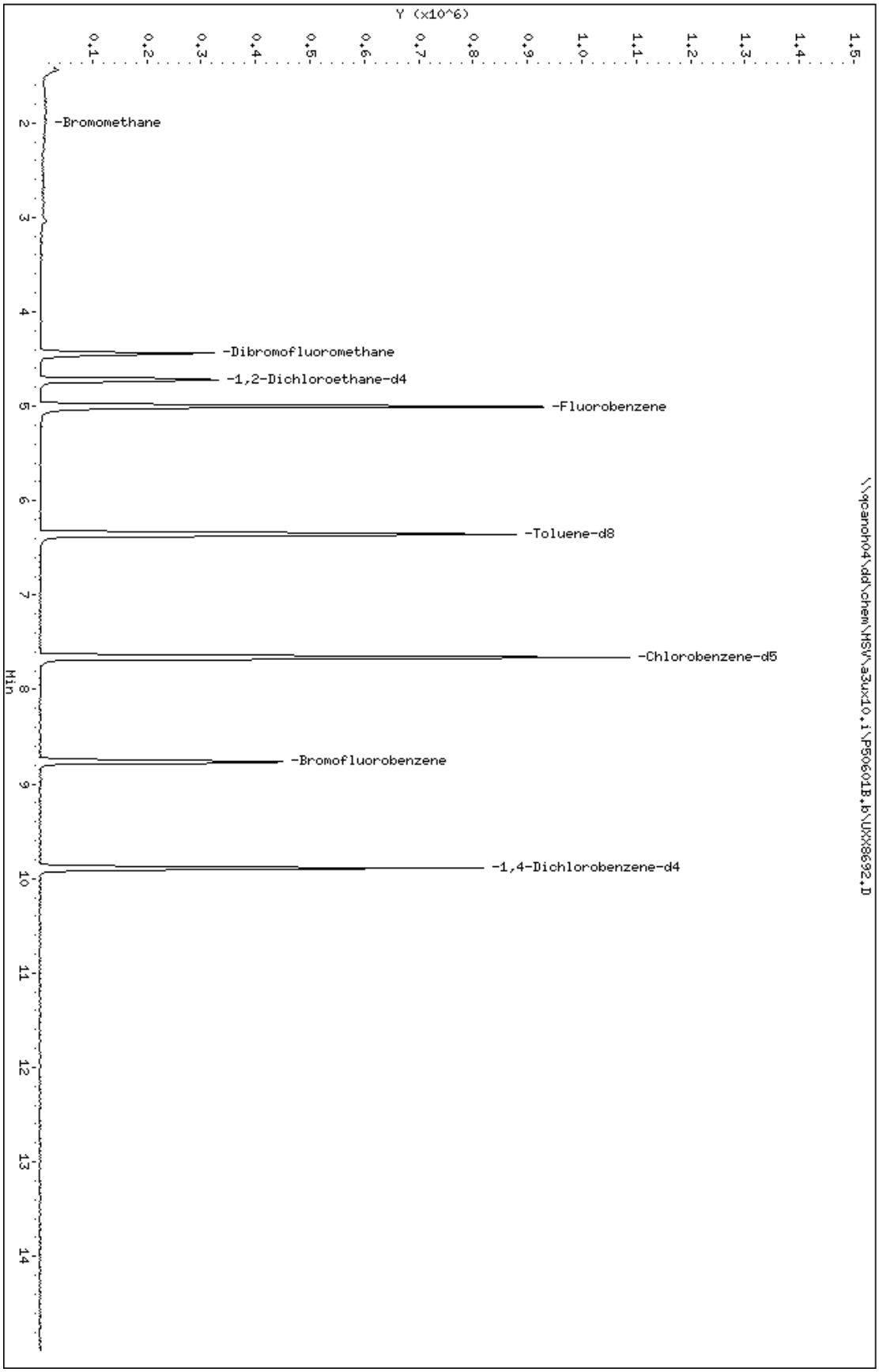
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	80 1,3-Dichlorobenzene	146	Compound Not Detected.					
	81 1,4-Dichlorobenzene	146	Compound Not Detected.					
	83 1,2-Dichlorobenzene	146	Compound Not Detected.					
	85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	98 Cyclohexane	56	Compound Not Detected.					
	143 Methyl Acetate	43	Compound Not Detected.					
	144 Methylcyclohexane	83	Compound Not Detected.					
	84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8692.D
Date : 02-JUN-2005 07:50
Client ID: GW-052305-JK-010
Sample Info: HCDW31AA,5ML/5ML
Purge Volume: 5.0
Column Phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8692.D

Date : 02-JUN-2005 07:50

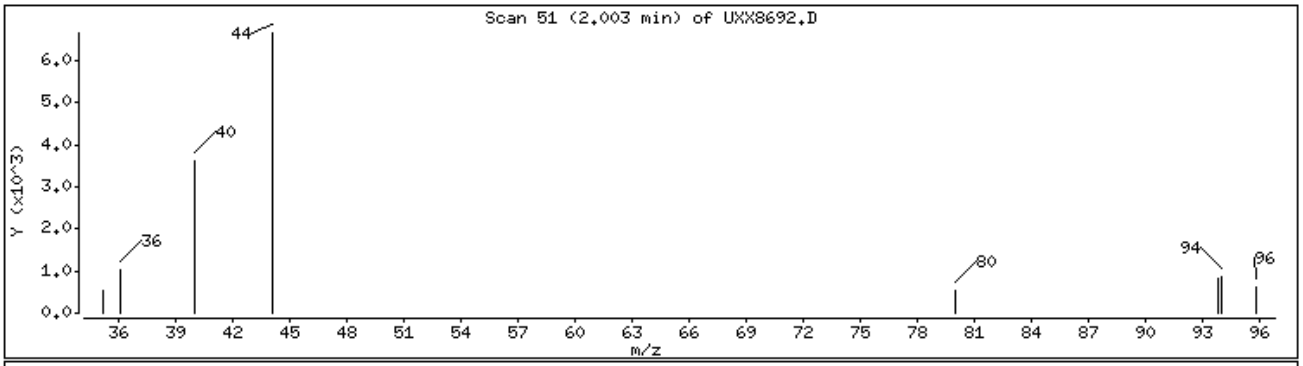
Client ID: GW-052305-JK-010 Instrument: a3ux10.i

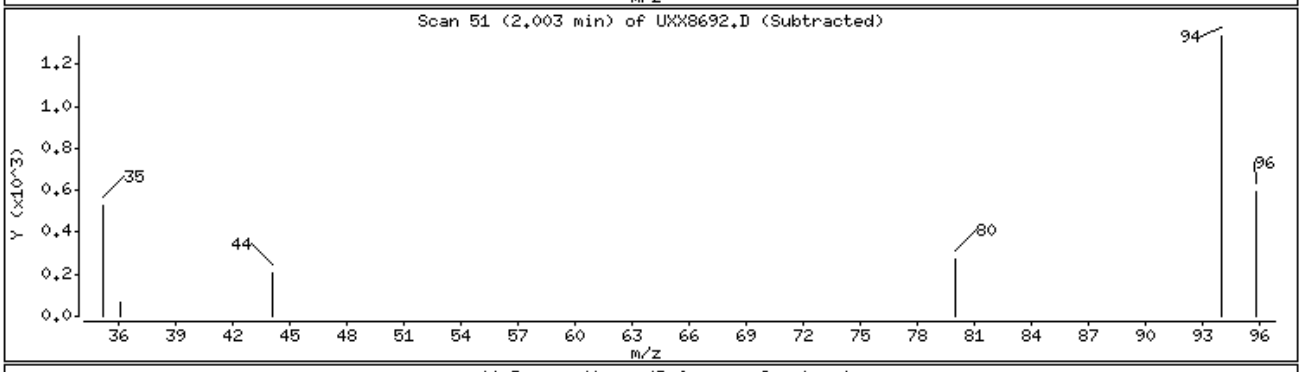
Sample Info: HCDW31AA,5ML/5ML

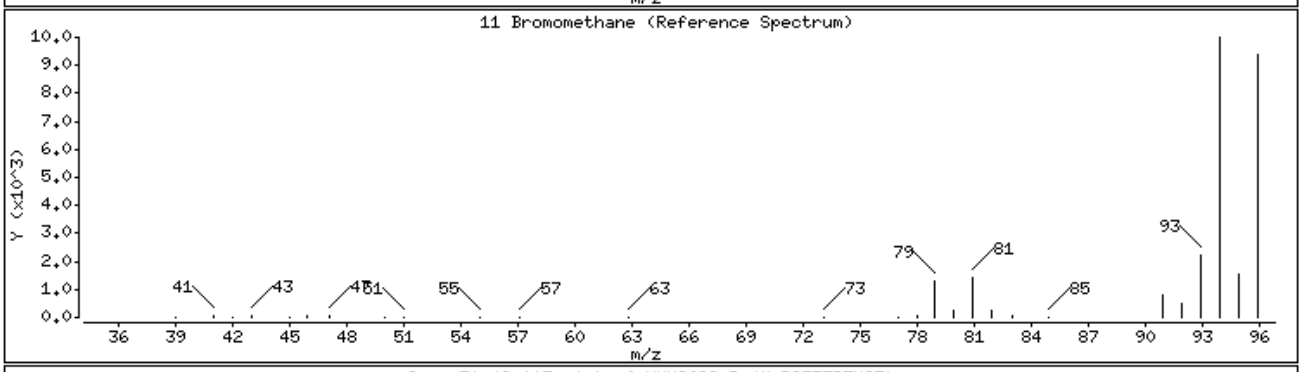
Purge Volume: 5.0 Operator: 1904

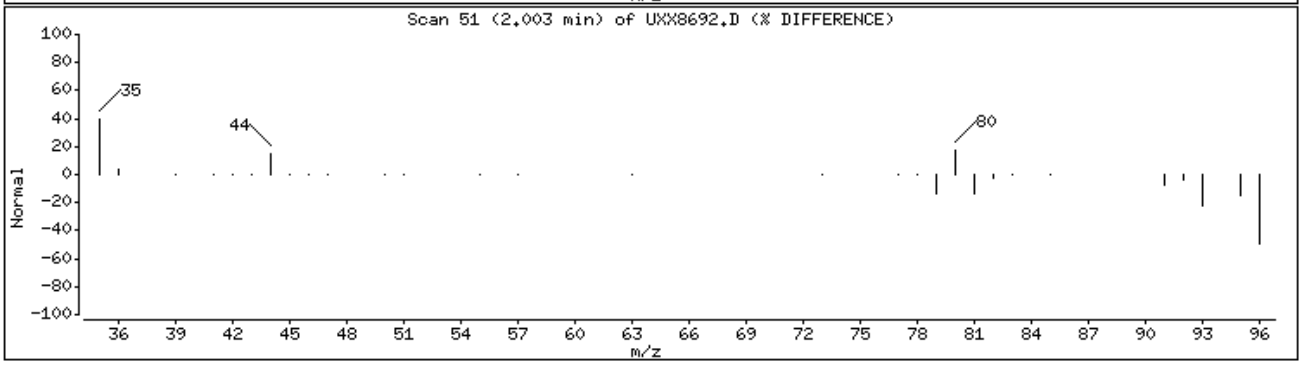
Column phase: DB624 Column diameter: 0.18

11 Bromomethane Concentration: 0.4335 ug/L









Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052405-JK-011

GC/MS Volatiles

Lot-Sample #...: A5E260235-011 **Work Order #...:** HCDW51AA **Matrix.....:** WG
Date Sampled...: 05/24/05 13:06 **Date Received..:** 05/26/05
Prep Date.....: 06/02/05 **Analysis Date..:** 06/02/05
Prep Batch #...: 5153163
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	**0.31 J**	**1.0**	**ug/L**
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052405-JK-011

GC/MS Volatiles

Lot-Sample #...: A5E260235-011 **Work Order #...:** HCDW51AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	115	(73 - 122)
1,2-Dichloroethane-d4	109	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	75	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8693.D
Report Date: 02-Jun-2005 09:20

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8693.D
Lab Smp Id: HCDW51AA Client Smp ID: GW-052305-JK-011
Inj Date : 02-JUN-2005 08:15
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HCDW51AA,5ML/5ML
Misc Info : P50601B,8260LLUX10,1-8260GM.SUB,1904
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50601B.b\8260LLUX10.m
Meth Date : 02-Jun-2005 08:07 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 25
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.006	4.998	(1.000)	961396	50.0000	
* 2 Chlorobenzene-d5	117	7.657	7.660	(1.000)	704861	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.893	9.885	(1.000)	279201	50.0000	
$ 4 Dibromofluoromethane	113	4.438	4.442	(0.887)	225340	57.4155	11.483
$ 5 1,2-Dichloroethane-d4	65	4.722	4.726	(0.943)	260452	54.3452	10.869
$ 6 Toluene-d8	98	6.355	6.359	(0.830)	646910	47.1938	9.439
$ 7 Bromofluorobenzene	95	8.769	8.761	(1.145)	185735	37.2539	7.451
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.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					
24 Methyl tert-butyl ether	73	Compound Not Detected.					
25 trans-1,2-Dichloroethene	96	Compound Not Detected.					

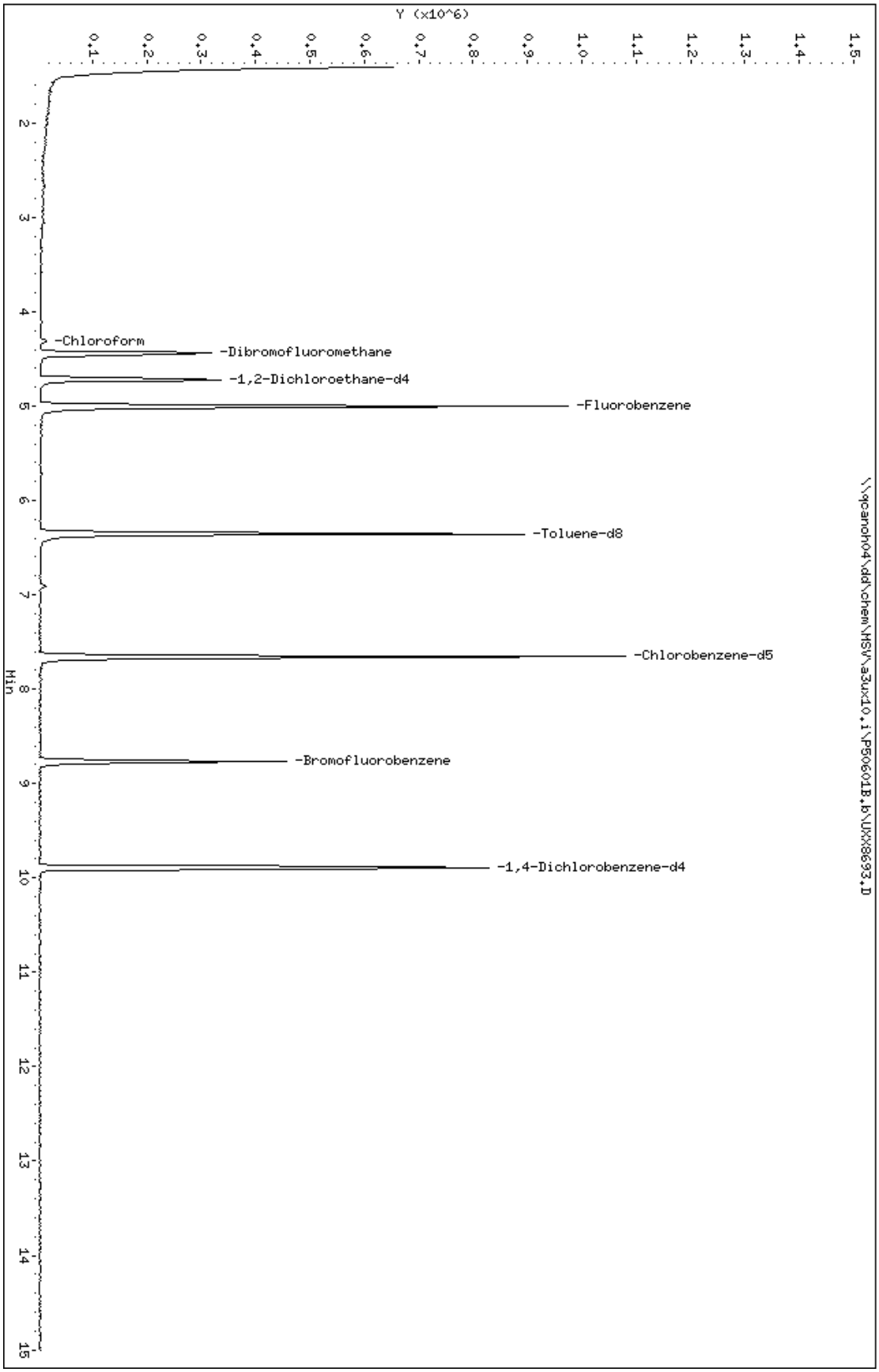
28	1,1-Dichloroethane	63	Compound Not Detected.
30	2-Butanone	43	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8693.D
Report Date: 02-Jun-2005 09:20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
M 31	1,2-Dichloroethene (total)	96	Compound Not Detected.					
32	cis-1,2-dichloroethene	96	Compound Not Detected.					
35	Chloroform	83	4.308	4.312	(0.861)	11467	1.54928	0.3098
37	1,1,1-Trichloroethane	97	Compound Not Detected.					
39	Carbon Tetrachloride	117	Compound Not Detected.					
40	1,2-Dichloroethane	62	Compound Not Detected.					
41	Benzene	78	Compound Not Detected.					
42	Trichloroethene	130	Compound Not Detected.					
43	1,2-Dichloropropane	63	Compound Not Detected.					
46	Bromodichloromethane	83	Compound Not Detected.					
48	cis-1,3-Dichloropropene	75	Compound Not Detected.					
49	4-Methyl-2-pentanone	43	Compound Not Detected.					
50	Toluene	91	Compound Not Detected.					
51	trans-1,3-Dichloropropene	75	Compound Not Detected.					
53	1,1,2-Trichloroethane	97	Compound Not Detected.					
55	Tetrachloroethene	164	Compound Not Detected.					
56	2-Hexanone	43	Compound Not Detected.					
57	Dibromochloromethane	129	Compound Not Detected.					
58	1,2-Dibromoethane	107	Compound Not Detected.					
59	Chlorobenzene	112	Compound Not Detected.					
61	Ethylbenzene	106	Compound Not Detected.					
62	m + p-Xylene	106	Compound Not Detected.					
M 63	Xylenes (total)	106	Compound Not Detected.					
64	Xylene-o	106	Compound Not Detected.					
65	Styrene	104	Compound Not Detected.					
66	Bromoform	173	Compound Not Detected.					
67	Isopropylbenzene	105	Compound Not Detected.					
68	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8693.D
Date : 02-JUN-2005 08:15
Client ID: GW-052305-JK-011
Sample Info: HCDW51AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8693.D

Date : 02-JUN-2005 08:15

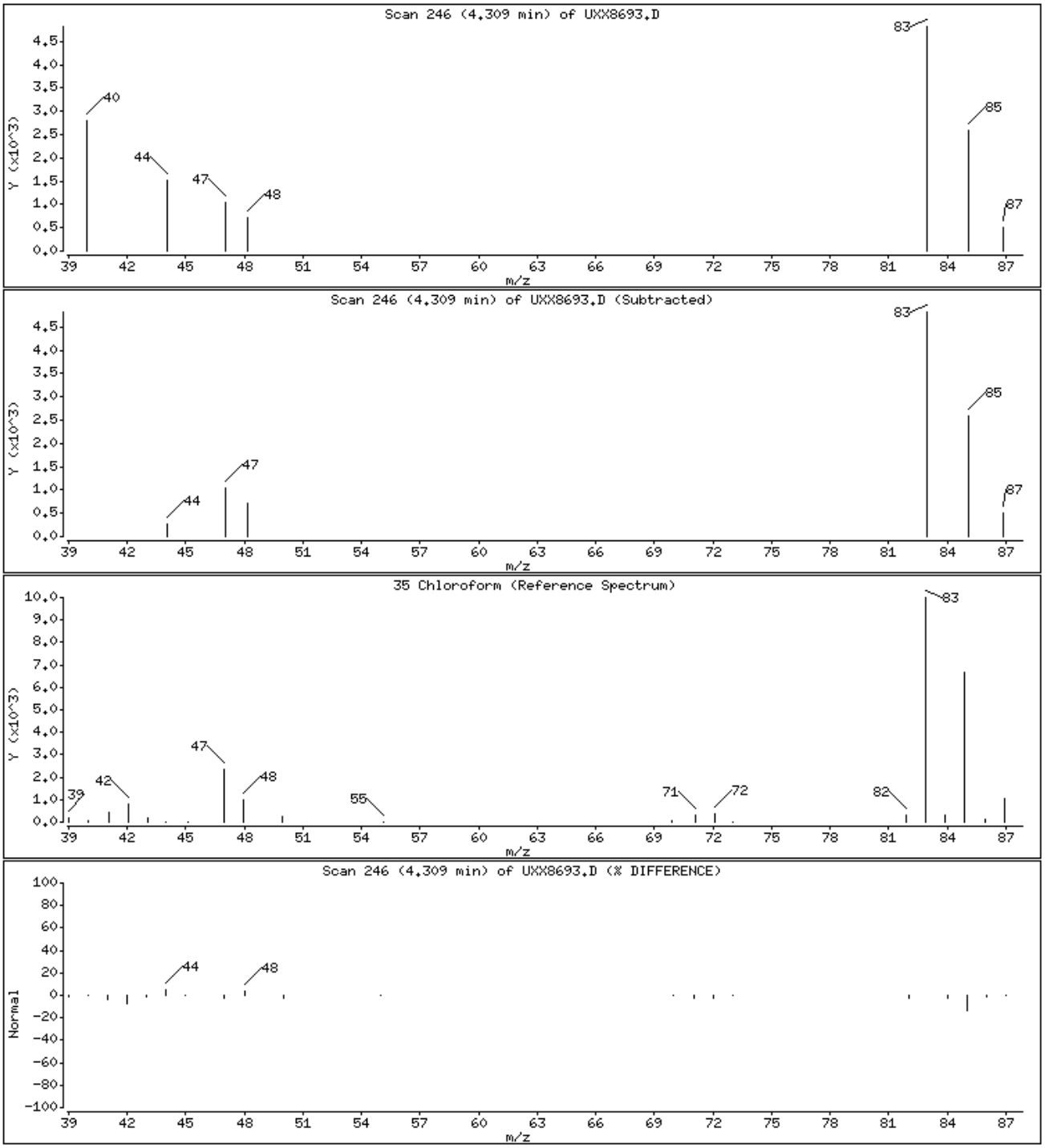
Client ID: GW-052305-JK-011 Instrument: a3ux10.i

Sample Info: HCDW51AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

35 Chloroform Concentration: 0.3098 ug/L



Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052405-JK-012

GC/MS Volatiles

Lot-Sample #...: A5E260235-012 **Work Order #...:** HCDW61AA **Matrix.....:** WG
Date Sampled...: 05/24/05 13:10 **Date Received..:** 05/26/05
Prep Date.....: 06/02/05 **Analysis Date..:** 06/02/05
Prep Batch #...: 5153163
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	**0.15 J**	**1.0**	**ug/L**
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	**0.31 J**	**1.0**	**ug/L**
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052405-JK-012

GC/MS Volatiles

Lot-Sample #...: A5E260235-012 **Work Order #...:** HCDW61AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	117	(73 - 122)
1,2-Dichloroethane-d4	108	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	76	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8694.D
Report Date: 02-Jun-2005 09:20

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8694.D
Lab Smp Id: HCDW61AA Client Smp ID: GW-052305-JK-012
Inj Date : 02-JUN-2005 08:40
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HCDW61AA,5ML/5ML
Misc Info : P50601B,8260LLUX10,1-8260GM.SUB,1904
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50601B.b\8260LLUX10.m
Meth Date : 02-Jun-2005 08:07 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 26
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.007	4.998	(1.000)	939365	50.0000	
* 2 Chlorobenzene-d5	117	7.658	7.660	(1.000)	690969	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.894	9.885	(1.000)	266157	50.0000	
$ 4 Dibromofluoromethane	113	4.439	4.442	(0.887)	224510	58.5456	11.709
$ 5 1,2-Dichloroethane-d4	65	4.723	4.726	(0.943)	252241	53.8663	10.773
$ 6 Toluene-d8	98	6.356	6.359	(0.830)	633247	47.1258	9.425
$ 7 Bromofluorobenzene	95	8.758	8.761	(1.144)	186271	38.1126	7.622
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.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					
24 Methyl tert-butyl ether	73	Compound Not Detected.					
25 trans-1,2-Dichloroethene	96	Compound Not Detected.					

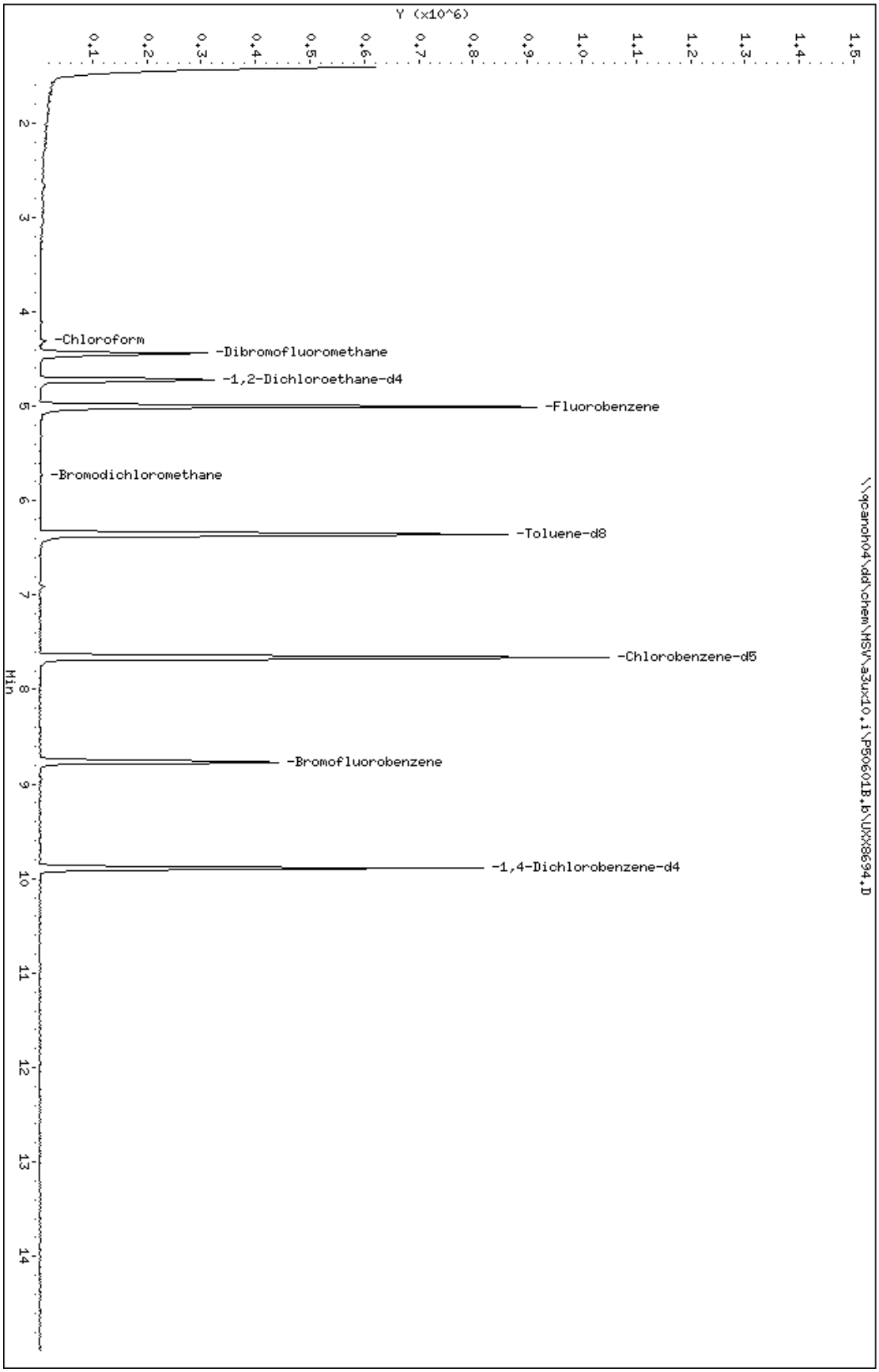
28	1,1-Dichloroethane	63	Compound Not Detected.
30	2-Butanone	43	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8694.D
Report Date: 02-Jun-2005 09:20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
M 31	1,2-Dichloroethene (total)	96	Compound Not Detected.					
32	cis-1,2-dichloroethene	96	Compound Not Detected.					
35	Chloroform	83	4.309	4.312	(0.861)	11100	1.53487	0.3070
37	1,1,1-Trichloroethane	97	Compound Not Detected.					
39	Carbon Tetrachloride	117	Compound Not Detected.					
40	1,2-Dichloroethane	62	Compound Not Detected.					
41	Benzene	78	Compound Not Detected.					
42	Trichloroethene	130	Compound Not Detected.					
43	1,2-Dichloropropane	63	Compound Not Detected.					
46	Bromodichloromethane	83	5.729	5.720	(1.144)	3682	0.73172	0.1463
48	cis-1,3-Dichloropropene	75	Compound Not Detected.					
49	4-Methyl-2-pentanone	43	Compound Not Detected.					
50	Toluene	91	Compound Not Detected.					
51	trans-1,3-Dichloropropene	75	Compound Not Detected.					
53	1,1,2-Trichloroethane	97	Compound Not Detected.					
55	Tetrachloroethene	164	Compound Not Detected.					
56	2-Hexanone	43	Compound Not Detected.					
57	Dibromochloromethane	129	Compound Not Detected.					
58	1,2-Dibromoethane	107	Compound Not Detected.					
59	Chlorobenzene	112	Compound Not Detected.					
61	Ethylbenzene	106	Compound Not Detected.					
62	m + p-Xylene	106	Compound Not Detected.					
M 63	Xylenes (total)	106	Compound Not Detected.					
64	Xylene-o	106	Compound Not Detected.					
65	Styrene	104	Compound Not Detected.					
66	Bromoform	173	Compound Not Detected.					
67	Isopropylbenzene	105	Compound Not Detected.					
68	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8694.D
Date : 02-JUN-2005 08:40
Client ID: GW-052305-JK-012
Sample Info: HCDW61AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



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Date : 02-JUN-2005 08:40

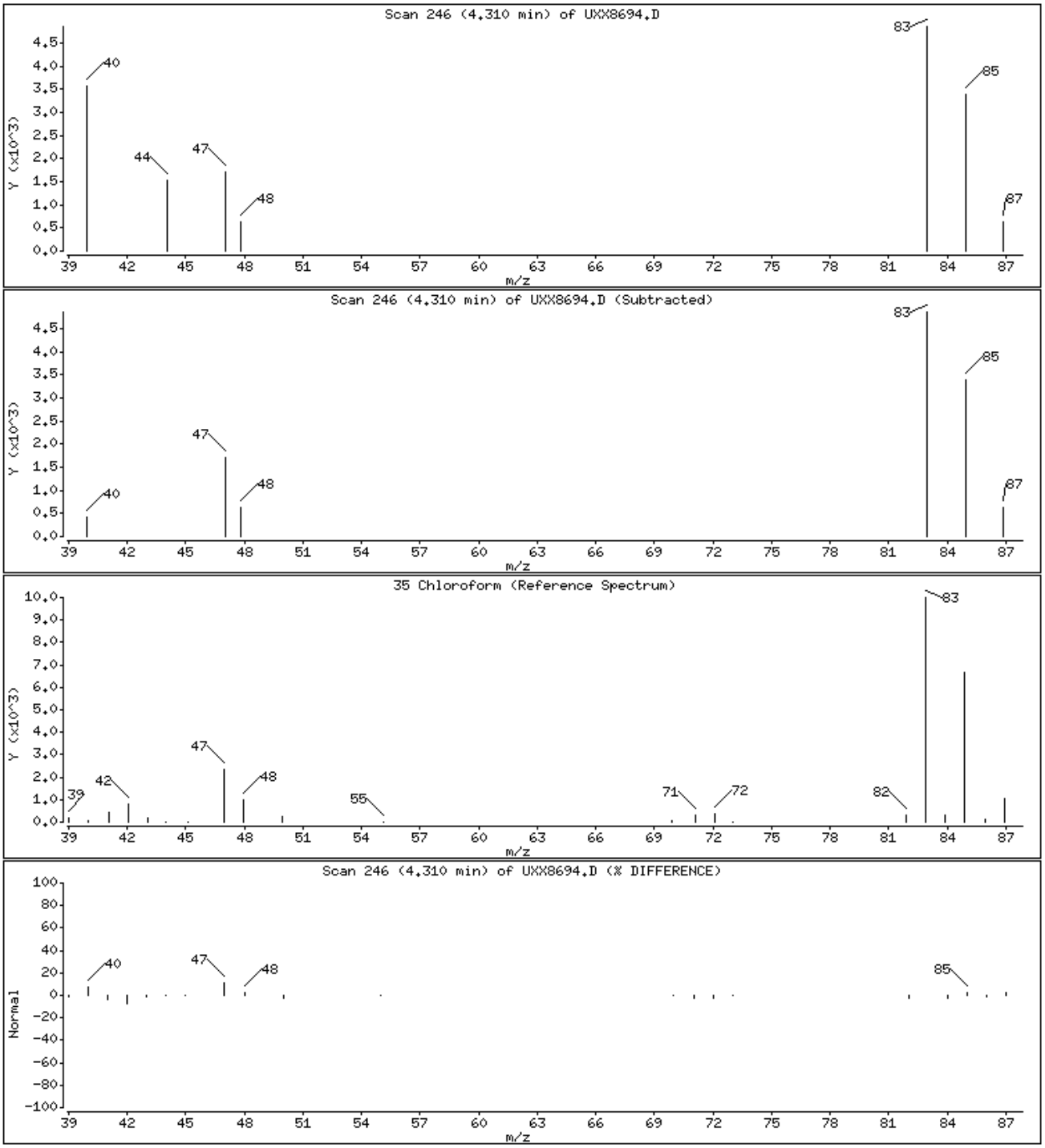
Client ID: GW-052305-JK-012 Instrument: a3ux10.i

Sample Info: HCDW61AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

35 Chloroform Concentration: 0.3070 ug/L



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Date : 02-JUN-2005 08:40

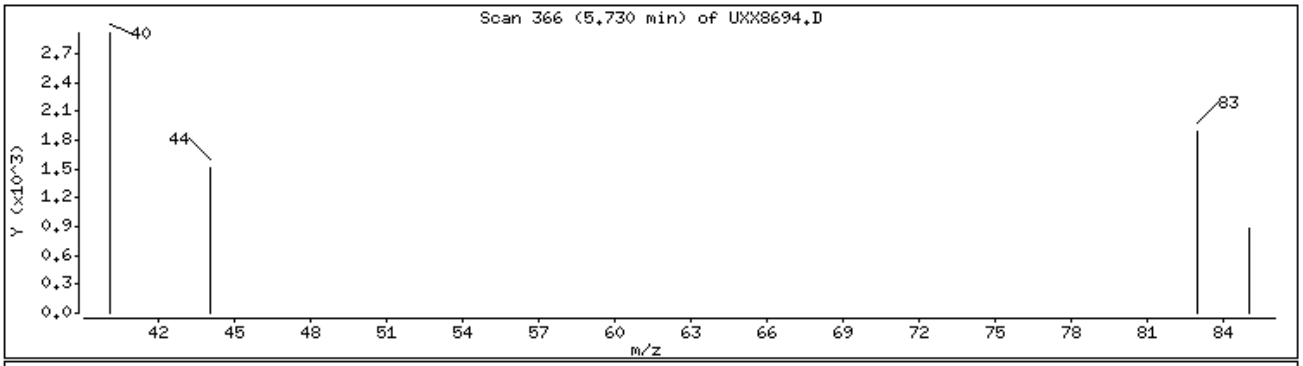
Client ID: GW-052305-JK-012 Instrument: a3ux10.i

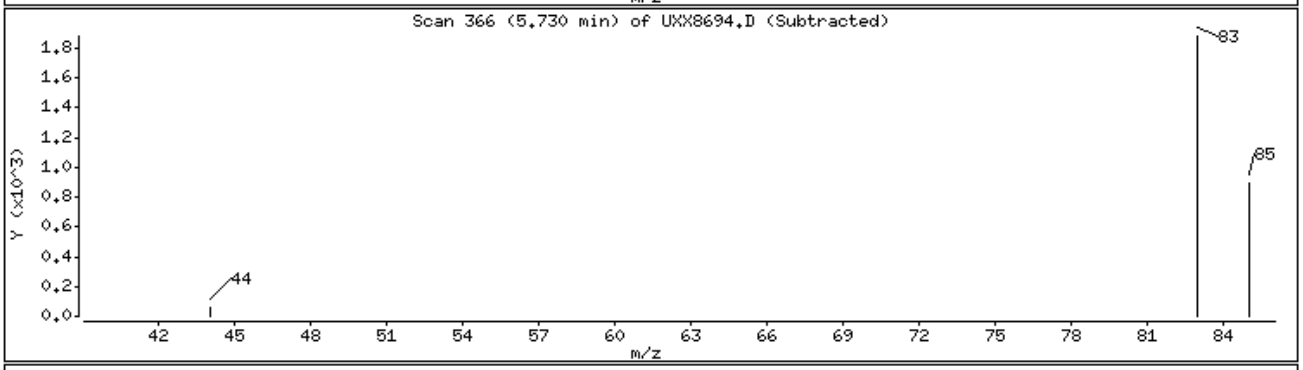
Sample Info: HCDW61AA,5ML/5ML

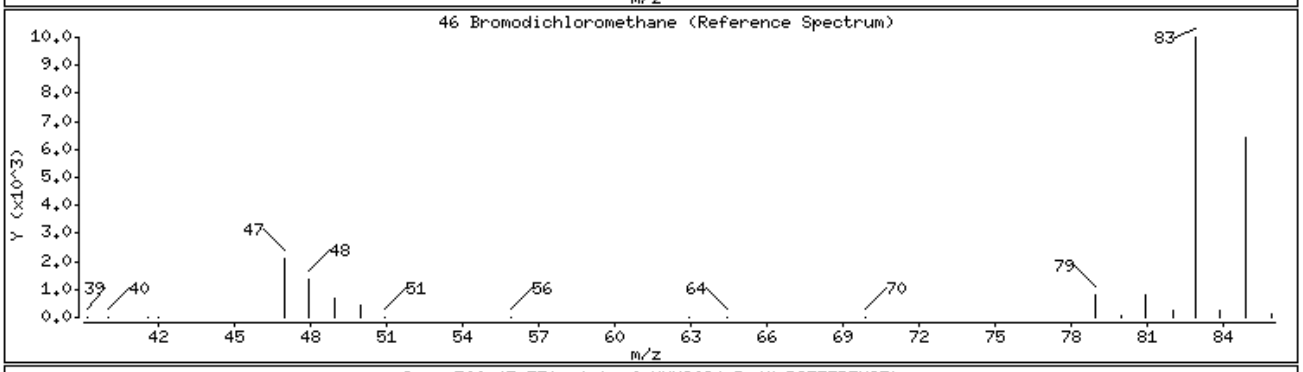
Purge Volume: 5.0 Operator: 1904

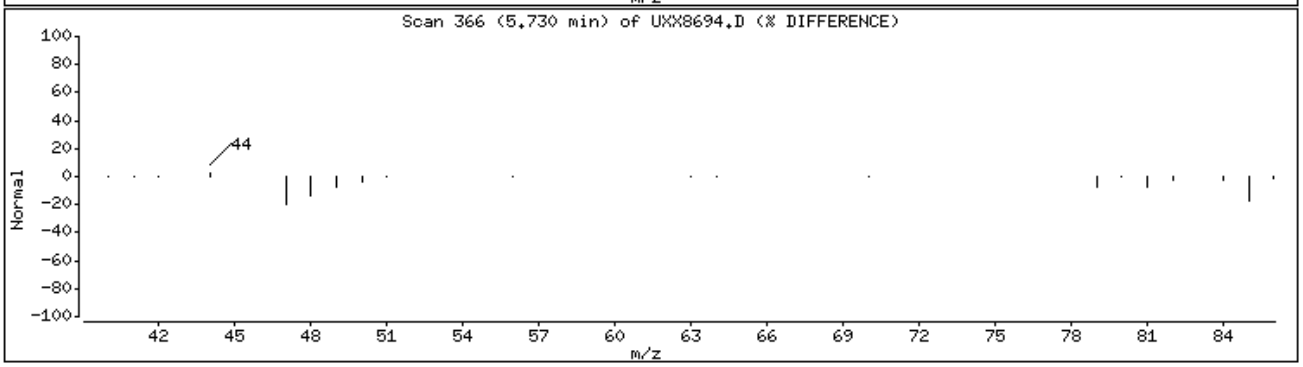
Column phase: DB624 Column diameter: 0.18

46 Bromodichloromethane Concentration: 0.1463 ug/L









Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052405-JK-013

GC/MS Volatiles

Lot-Sample #...: A5E260235-013 **Work Order #...:** HCDW71AA **Matrix.....:** WG
Date Sampled...: 05/24/05 15:05 **Date Received..:** 05/26/05
Prep Date.....: 06/04/05 **Analysis Date..:** 06/04/05
Prep Batch #...: 5157292
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	**0.17 J**	**1.0**	**ug/L**
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052405-JK-013

GC/MS Volatiles

Lot-Sample #...: A5E260235-013 **Work Order #...:** HCDW71AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**2.6**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	**2.0**	**1.0**	**ug/L**
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	**33**	**1.0**	**ug/L**
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(73 - 122)
1,2-Dichloroethane-d4	106	(61 - 128)
Toluene-d8	102	(76 - 110)
4-Bromofluorobenzene	81	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8794.D
Report Date: 06-Jun-2005 14:28

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8794.D
Lab Smp Id: HCDW71AA Client Smp ID: GW-052405-JK-013
Inj Date : 04-JUN-2005 03:56
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HCDW71AA,5ML/5ML
Misc Info : P50603B,8260LLUX10,,1904
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\8260LLUX10.m
Meth Date : 06-Jun-2005 08:23 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 45
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.sub
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

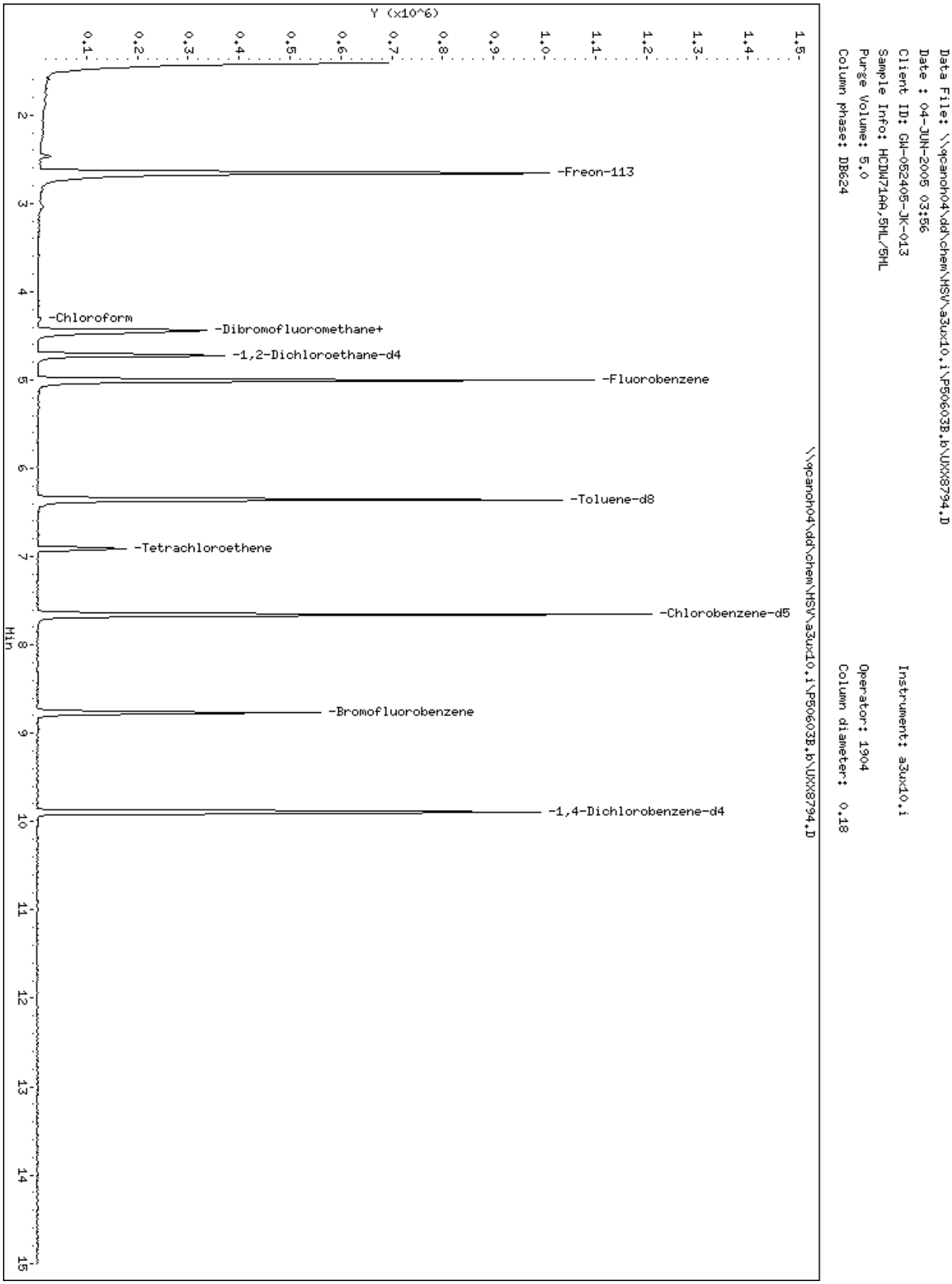
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.006	5.007	(1.000)	1077308	50.0000	
* 2 Chlorobenzene-d5	117	7.657	7.658	(1.000)	778939	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.893	9.894	(1.000)	315053	50.0000	
$ 4 Dibromofluoromethane	113	4.438	4.439	(0.887)	243159	55.2896	11.058
$ 5 1,2-Dichloroethane-d4	65	4.722	4.723	(0.943)	285974	53.2503	10.650
$ 6 Toluene-d8	98	6.355	6.356	(0.830)	770851	50.8875	10.177
$ 7 Bromofluorobenzene	95	8.769	8.758	(1.145)	224336	40.7171	8.143
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.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	2.651	2.653	(0.530)	488166	167.075	33.415
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					
24 Methyl tert-butyl ether	73	Compound Not Detected.					
25 trans-1,2-Dichloroethene	96	Compound Not Detected.					

28	1,1-Dichloroethane	63	Compound Not Detected.
30	2-Butanone	43	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8794.D
Report Date: 06-Jun-2005 14:28

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
M 31	1,2-Dichloroethene (total)	96	Compound Not Detected.					
32	cis-1,2-dichloroethene	96	Compound Not Detected.					
35	Chloroform	83	4.308	4.309	(0.861)	7037	0.84846	0.1697
37	1,1,1-Trichloroethane	97	4.474	4.475	(0.894)	63971	10.2438	2.049
39	Carbon Tetrachloride	117	Compound Not Detected.					
40	1,2-Dichloroethane	62	Compound Not Detected.					
41	Benzene	78	Compound Not Detected.					
42	Trichloroethene	130	Compound Not Detected.					
43	1,2-Dichloropropane	63	Compound Not Detected.					
46	Bromodichloromethane	83	Compound Not Detected.					
48	cis-1,3-Dichloropropene	75	Compound Not Detected.					
49	4-Methyl-2-pentanone	43	Compound Not Detected.					
50	Toluene	91	Compound Not Detected.					
51	trans-1,3-Dichloropropene	75	Compound Not Detected.					
53	1,1,2-Trichloroethane	97	Compound Not Detected.					
55	Tetrachloroethene	164	6.911	6.912	(0.903)	49218	12.9436	2.589
56	2-Hexanone	43	Compound Not Detected.					
57	Dibromochloromethane	129	Compound Not Detected.					
58	1,2-Dibromoethane	107	Compound Not Detected.					
59	Chlorobenzene	112	Compound Not Detected.					
61	Ethylbenzene	106	Compound Not Detected.					
62	m + p-Xylene	106	Compound Not Detected.					
M 63	Xylenes (total)	106	Compound Not Detected.					
64	Xylene-o	106	Compound Not Detected.					
65	Styrene	104	Compound Not Detected.					
66	Bromoform	173	Compound Not Detected.					
67	Isopropylbenzene	105	Compound Not Detected.					
68	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					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Date : 04-JUN-2005 03:56
Client ID: GW-052405-JK-013
Sample Info: HCDW71AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
-Freon-113
-Chloroform
-Dibromofluoromethane+
-1,2-Dichloroethane-d4
-Fluorobenzene
-Toluene-d8
-Tetrachloroethene
-Chlorobenzene-d5
-Bromofluorobenzene
-1,4-Dichlorobenzene-d4
\\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8794.D
Min

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8794.D

Date : 04-JUN-2005 03:56

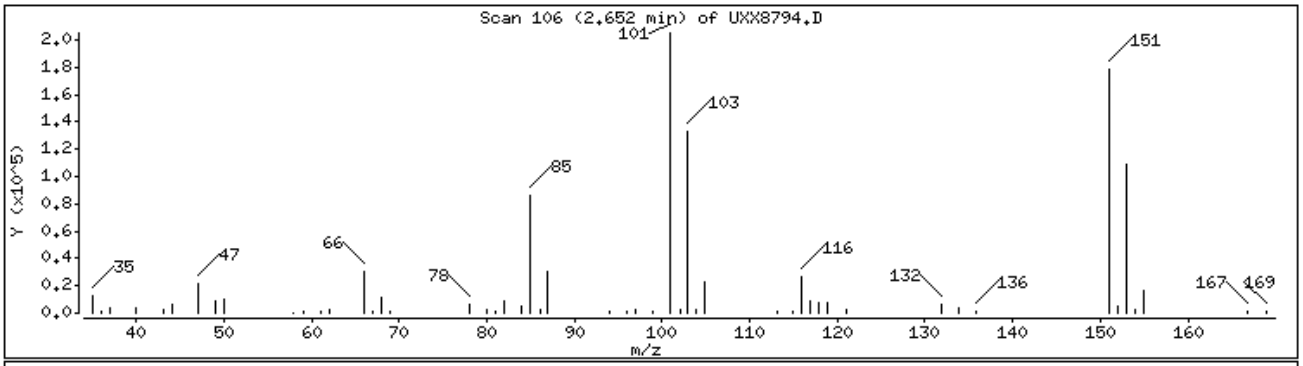
Client ID: GW-052405-JK-013 Instrument: a3ux10.i

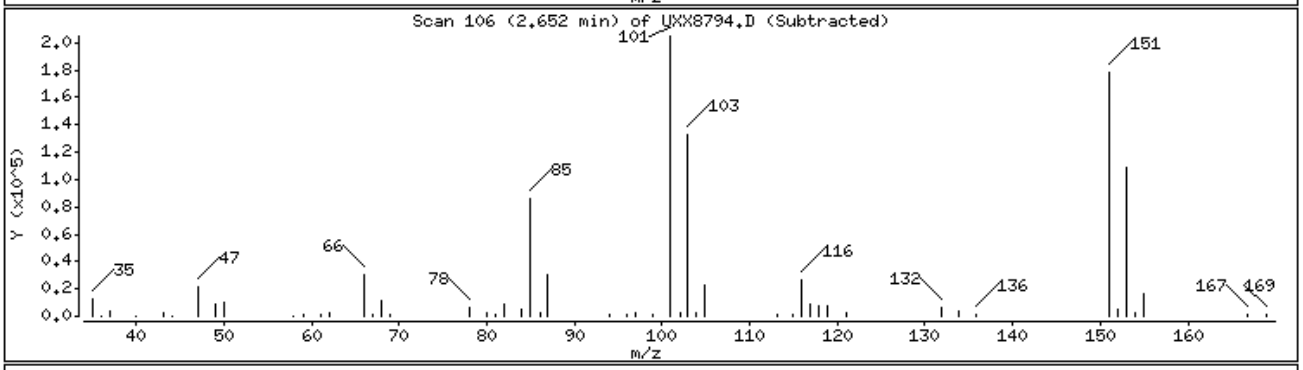
Sample Info: HCDW71AA,5ML/5ML

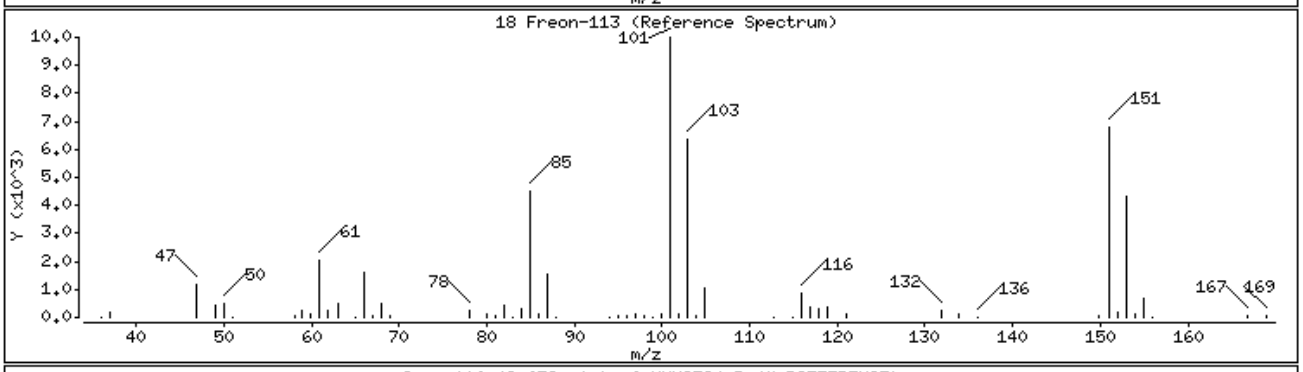
Purge Volume: 5.0 Operator: 1904

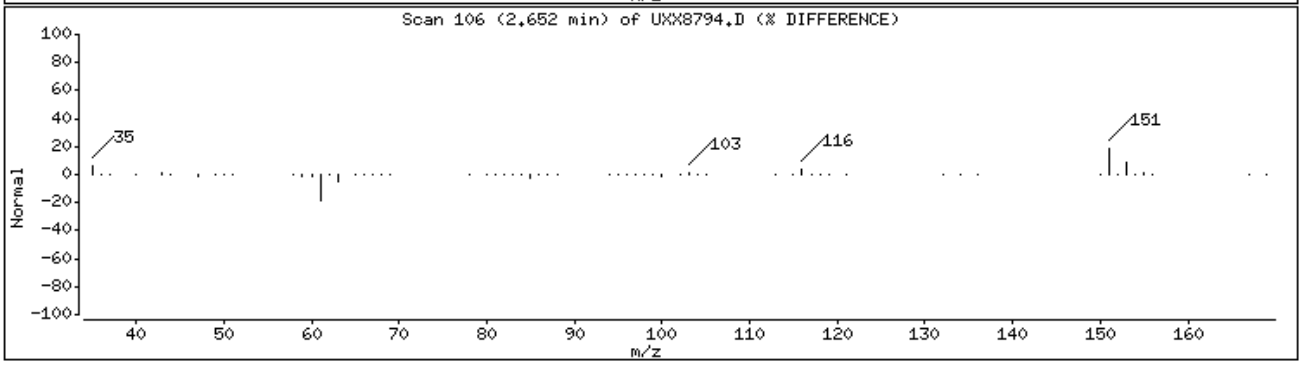
Column phase: DB624 Column diameter: 0.18

18 Freon-113 Concentration: 33.415 ug/L









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Date : 04-JUN-2005 03:56

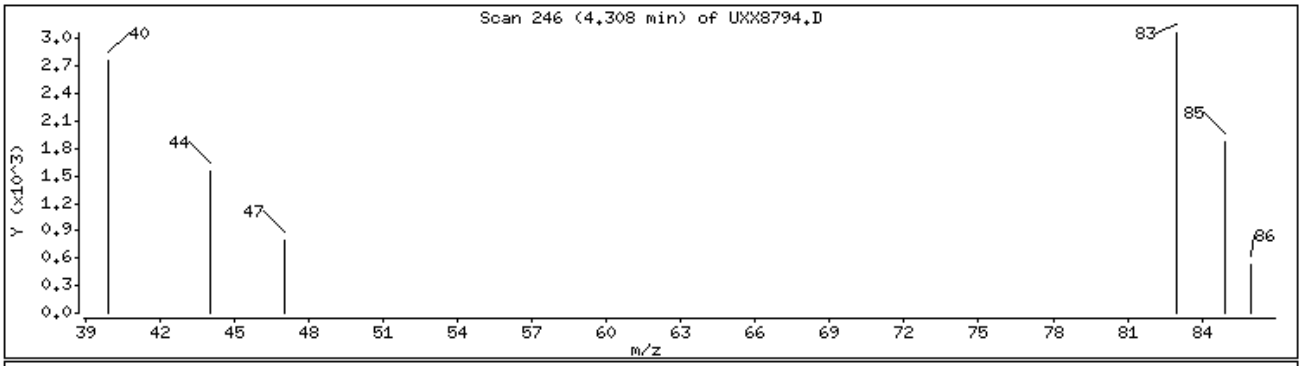
Client ID: GW-052405-JK-013 Instrument: a3ux10.i

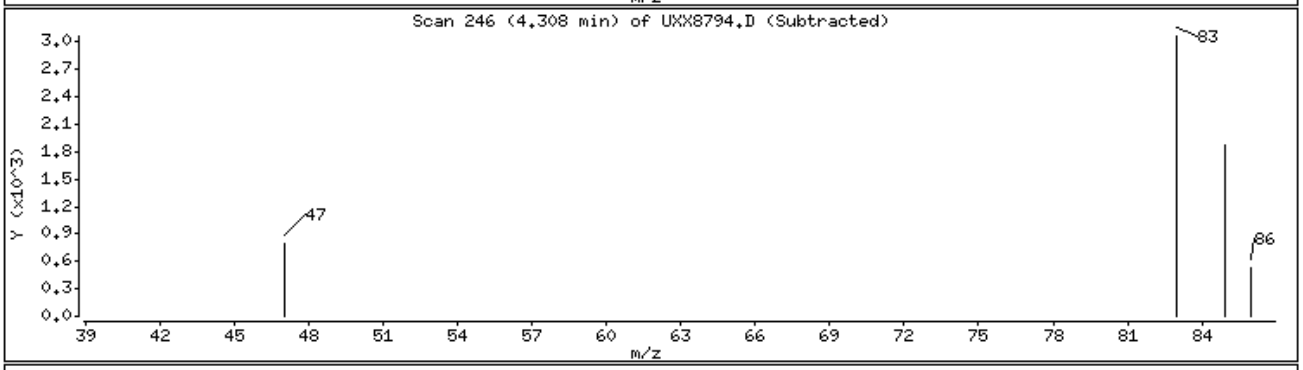
Sample Info: HCDW71AA,5ML/5ML

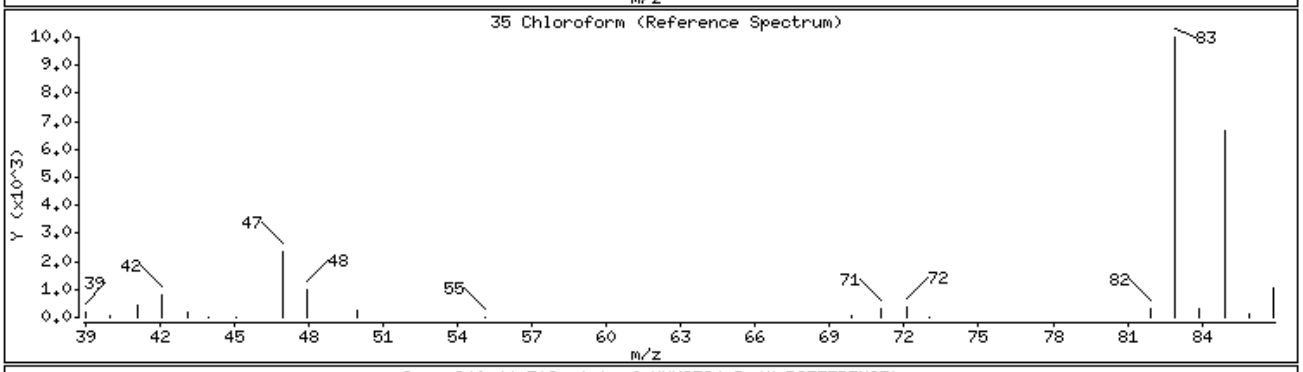
Purge Volume: 5.0 Operator: 1904

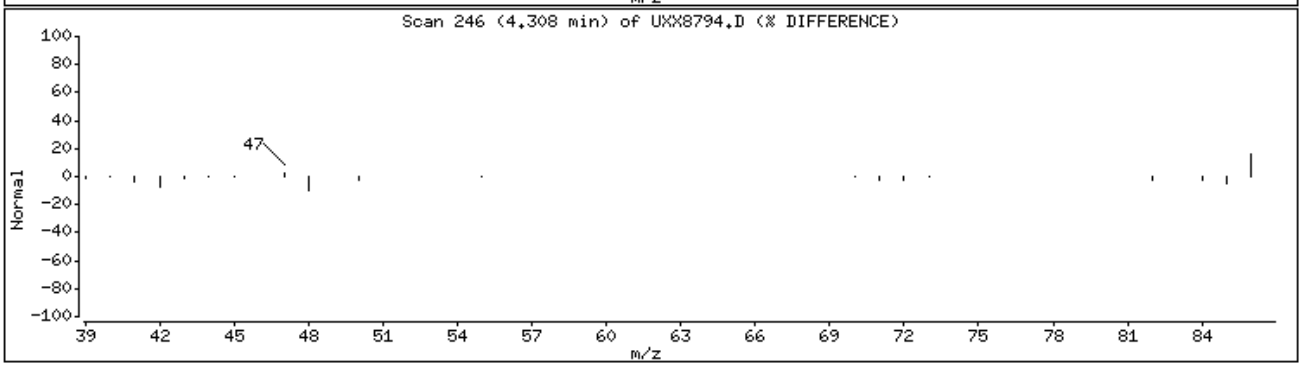
Column phase: DB624 Column diameter: 0.18

35 Chloroform Concentration: 0.1697 ug/L









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Date : 04-JUN-2005 03:56

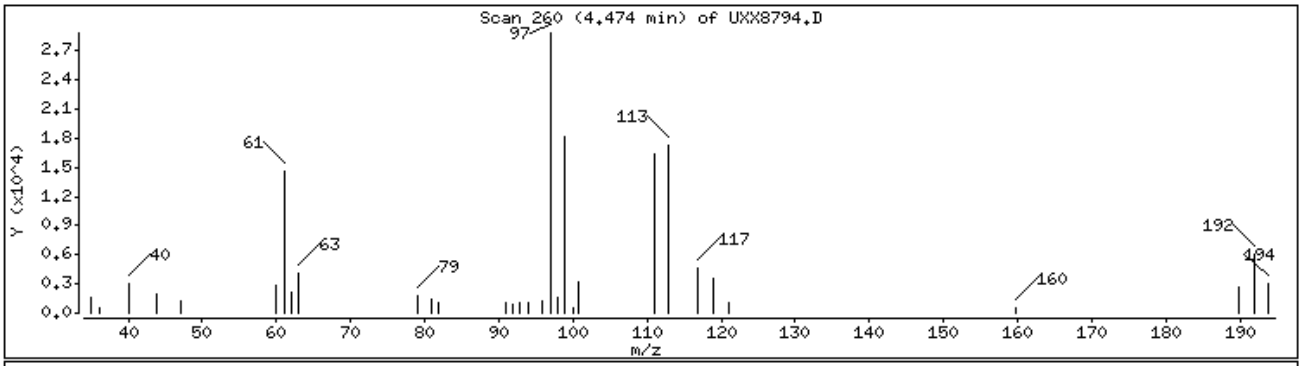
Client ID: GW-052405-JK-013 Instrument: a3ux10.i

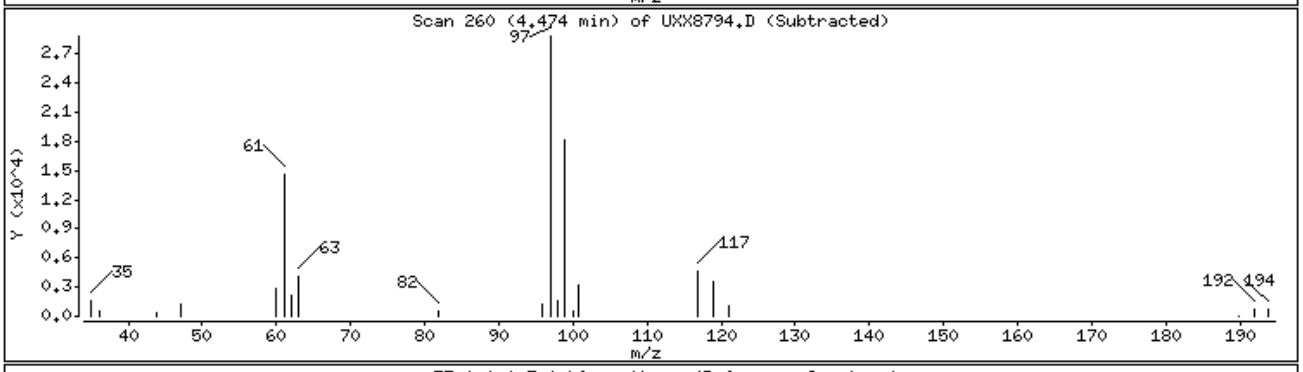
Sample Info: HCDW71AA,5ML/5ML

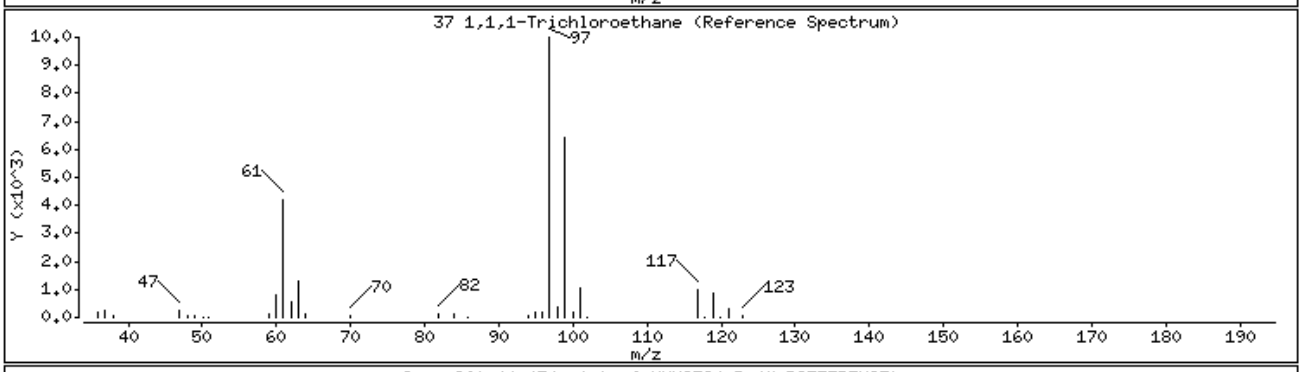
Purge Volume: 5.0 Operator: 1904

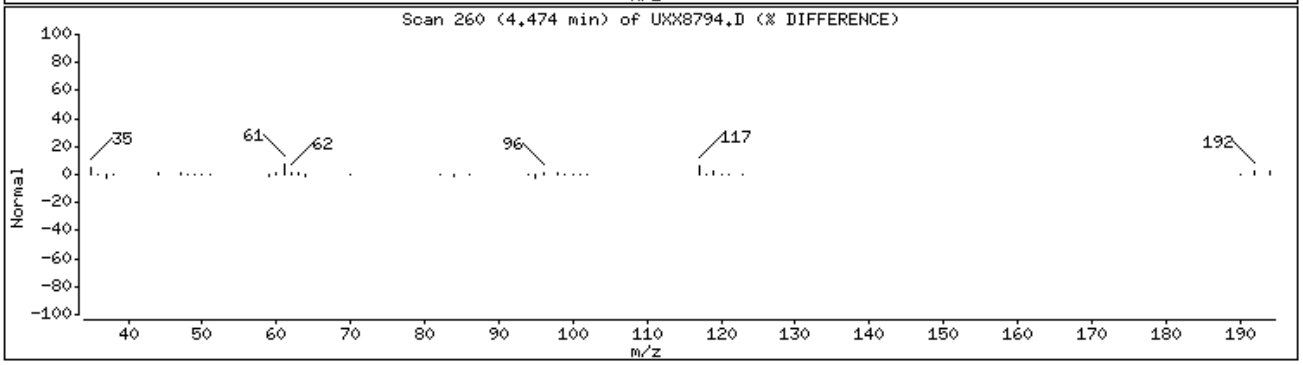
Column phase: DB624 Column diameter: 0.18

37 1,1,1-Trichloroethane Concentration: 2.049 ug/L









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Date : 04-JUN-2005 03:56

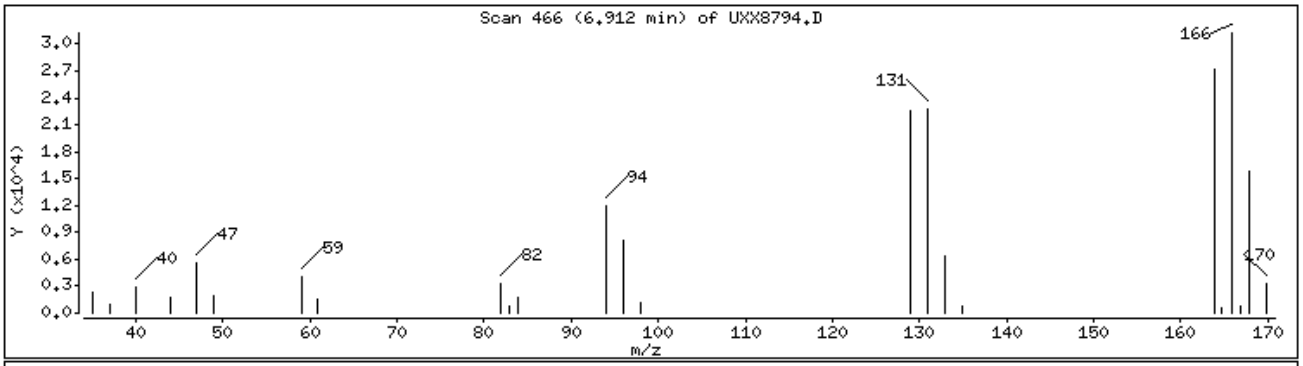
Client ID: GW-052405-JK-013 Instrument: a3ux10.i

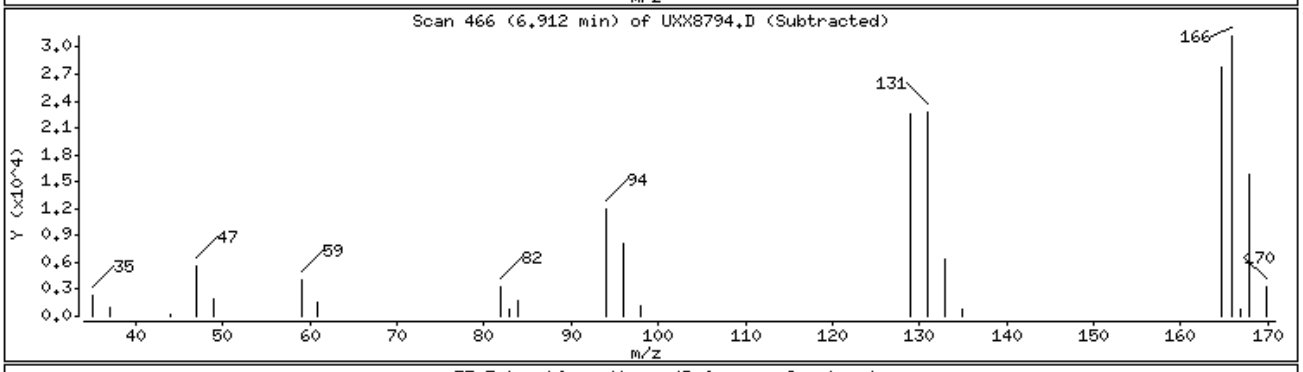
Sample Info: HCDW71AA,5ML/5ML

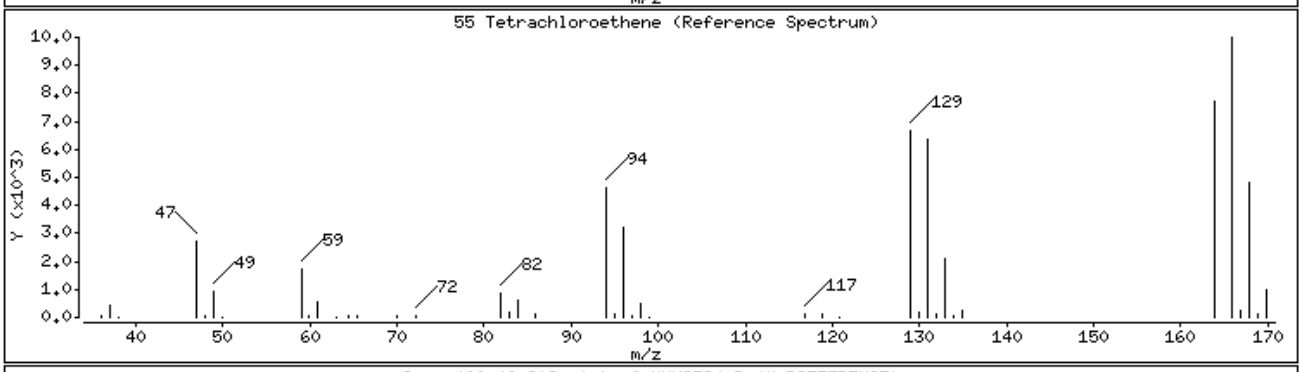
Purge Volume: 5.0 Operator: 1904

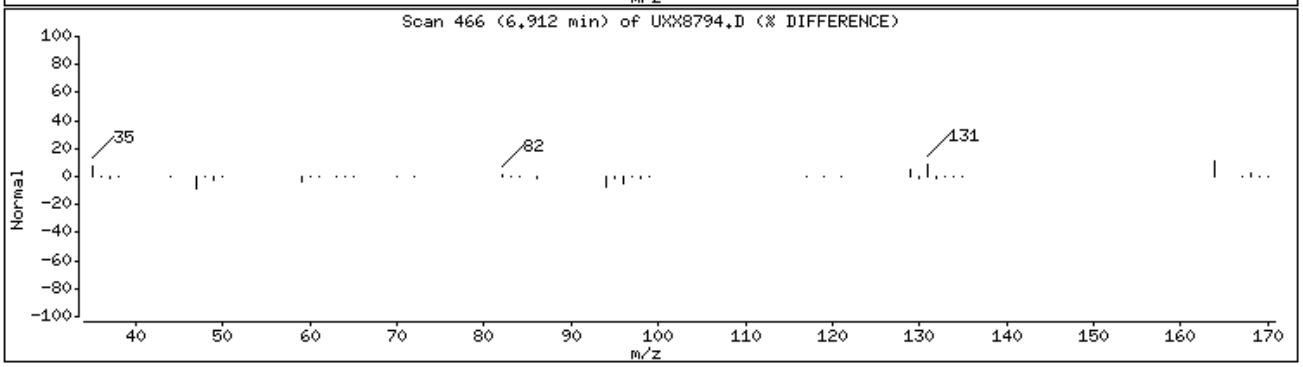
Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 2.589 ug/L









Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052405-JK-014

GC/MS Volatiles

Lot-Sample #...: A5E260235-014 **Work Order #...:** HCDXD1AA **Matrix.....:** WG
Date Sampled...: 05/24/05 16:35 **Date Received..:** 05/26/05
Prep Date.....: 06/04/05 **Analysis Date..:** 06/04/05
Prep Batch #...: 5157292
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052405-JK-014

GC/MS Volatiles

Lot-Sample #...: A5E260235-014 **Work Order #...:** HCDXD1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	**1.0**	**1.0**	**ug/L**
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.26 J**	**1.0**	**ug/L**
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	116	(73 - 122)
1,2-Dichloroethane-d4	111	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	81	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8795.D
Report Date: 06-Jun-2005 14:28

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8795.D
Lab Smp Id: HCDXD1AA Client Smp ID: GW-052405-JK-014
Inj Date : 04-JUN-2005 04:21
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HCDXD1AA,5ML/5ML
Misc Info : P50603B,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\8260LLUX10.m
Meth Date : 06-Jun-2005 08:23 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 46
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.sub
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.008	5.007	(1.000)	1020504	50.0000	
* 2 Chlorobenzene-d5	117	7.659	7.658	(1.000)	753082	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.895	9.894	(1.000)	314314	50.0000	
$ 4 Dibromofluoromethane	113	4.440	4.439	(0.887)	240654	57.7659	11.553
$ 5 1,2-Dichloroethane-d4	65	4.724	4.723	(0.943)	281659	55.3662	11.073
$ 6 Toluene-d8	98	6.357	6.356	(0.830)	733368	50.0753	10.015
$ 7 Bromofluorobenzene	95	8.759	8.758	(1.144)	216310	40.6084	8.122
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.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	2.654	2.653	(0.530)	3619	1.30755	0.2615
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					
24 Methyl tert-butyl ether	73	Compound Not Detected.					
25 trans-1,2-Dichloroethene	96	Compound Not Detected.					

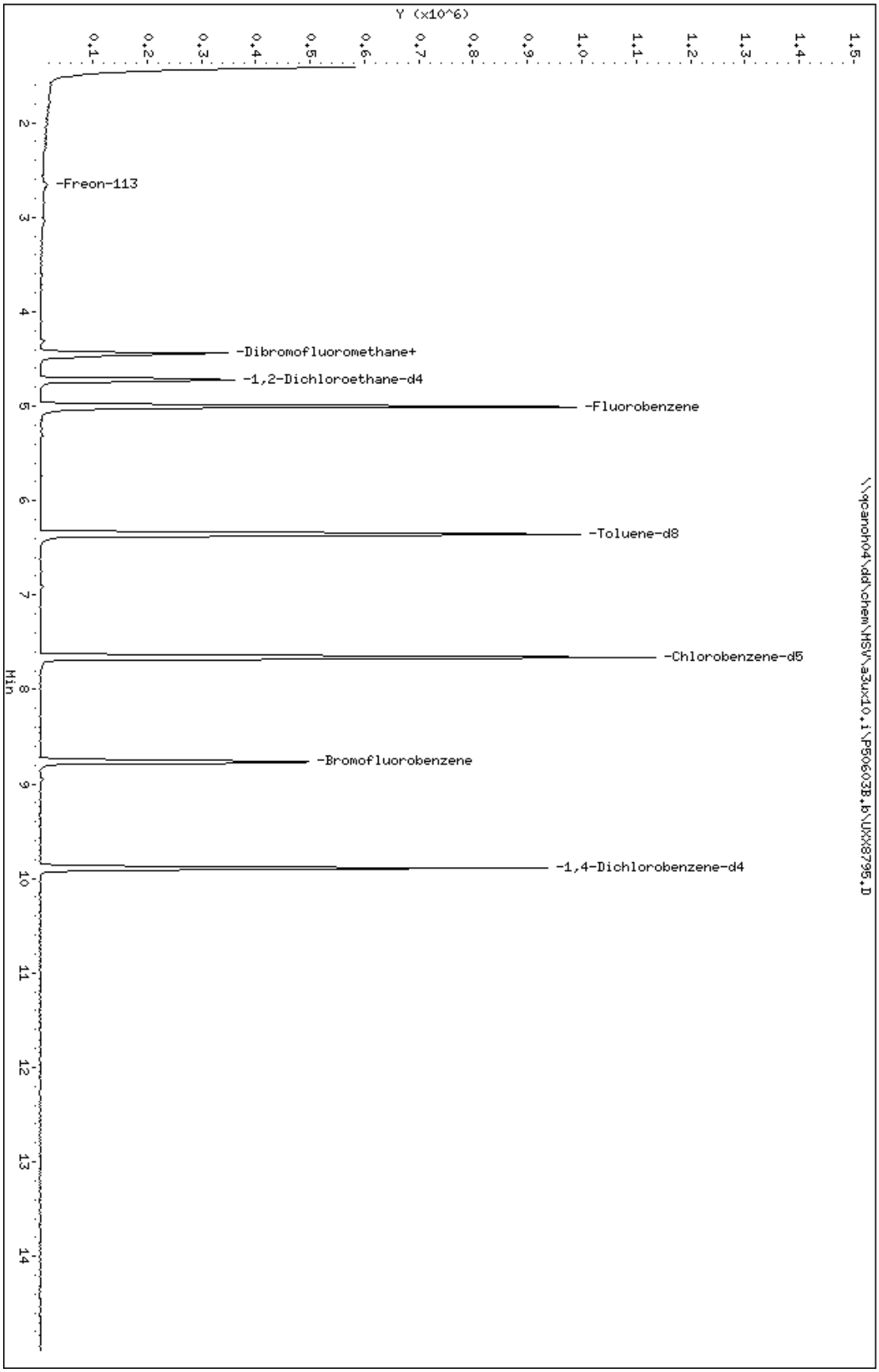
28	1,1-Dichloroethane	63	Compound Not Detected.
30	2-Butanone	43	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8795.D
Report Date: 06-Jun-2005 14:28

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
M 31	1,2-Dichloroethene (total)	96	Compound Not Detected.					
32	cis-1,2-dichloroethene	96	Compound Not Detected.					
35	Chloroform	83	Compound Not Detected.					
37	1,1,1-Trichloroethane	97	4.476	4.475	(0.894)	29433	4.97552	0.9951
39	Carbon Tetrachloride	117	Compound Not Detected.					
40	1,2-Dichloroethane	62	Compound Not Detected.					
41	Benzene	78	Compound Not Detected.					
42	Trichloroethene	130	Compound Not Detected.					
43	1,2-Dichloropropane	63	Compound Not Detected.					
46	Bromodichloromethane	83	Compound Not Detected.					
48	cis-1,3-Dichloropropene	75	Compound Not Detected.					
49	4-Methyl-2-pentanone	43	Compound Not Detected.					
50	Toluene	91	Compound Not Detected.					
51	trans-1,3-Dichloropropene	75	Compound Not Detected.					
53	1,1,2-Trichloroethane	97	Compound Not Detected.					
55	Tetrachloroethene	164	Compound Not Detected.					
56	2-Hexanone	43	Compound Not Detected.					
57	Dibromochloromethane	129	Compound Not Detected.					
58	1,2-Dibromoethane	107	Compound Not Detected.					
59	Chlorobenzene	112	Compound Not Detected.					
61	Ethylbenzene	106	Compound Not Detected.					
62	m + p-Xylene	106	Compound Not Detected.					
M 63	Xylenes (total)	106	Compound Not Detected.					
64	Xylene-o	106	Compound Not Detected.					
65	Styrene	104	Compound Not Detected.					
66	Bromoform	173	Compound Not Detected.					
67	Isopropylbenzene	105	Compound Not Detected.					
68	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8795.D
Date : 04-JUN-2005 04:21
Client ID: GW-052405-JK-014
Sample Info: HCDXD1AA,5ML/5ML
Purge Volume: 5.0
Column Phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



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Date : 04-JUN-2005 04:21

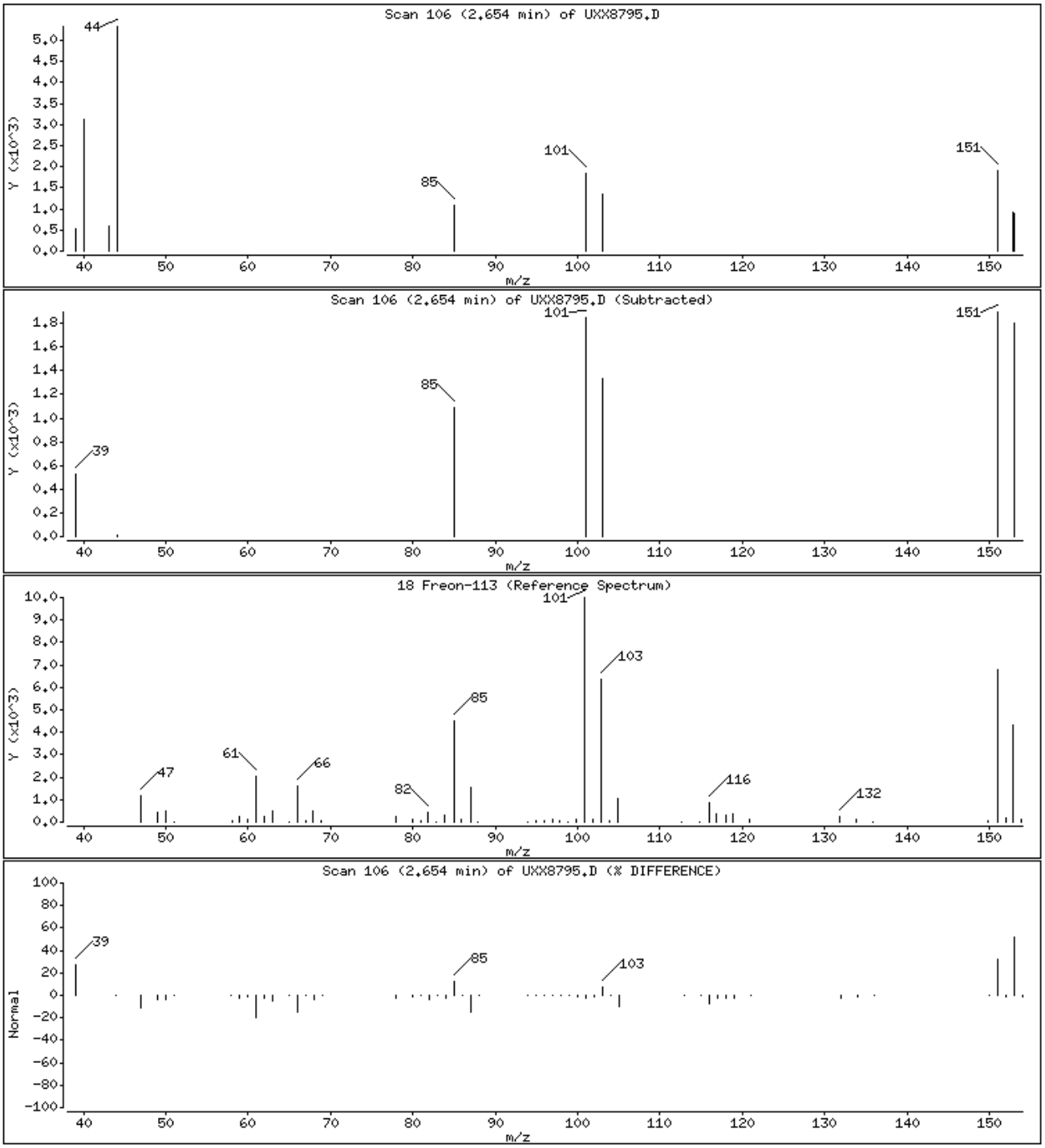
Client ID: GW-052405-JK-014 Instrument: a3ux10.i

Sample Info: HCDXD1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

18 Freon-113 Concentration: 0.2615 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8795.D

Date : 04-JUN-2005 04:21

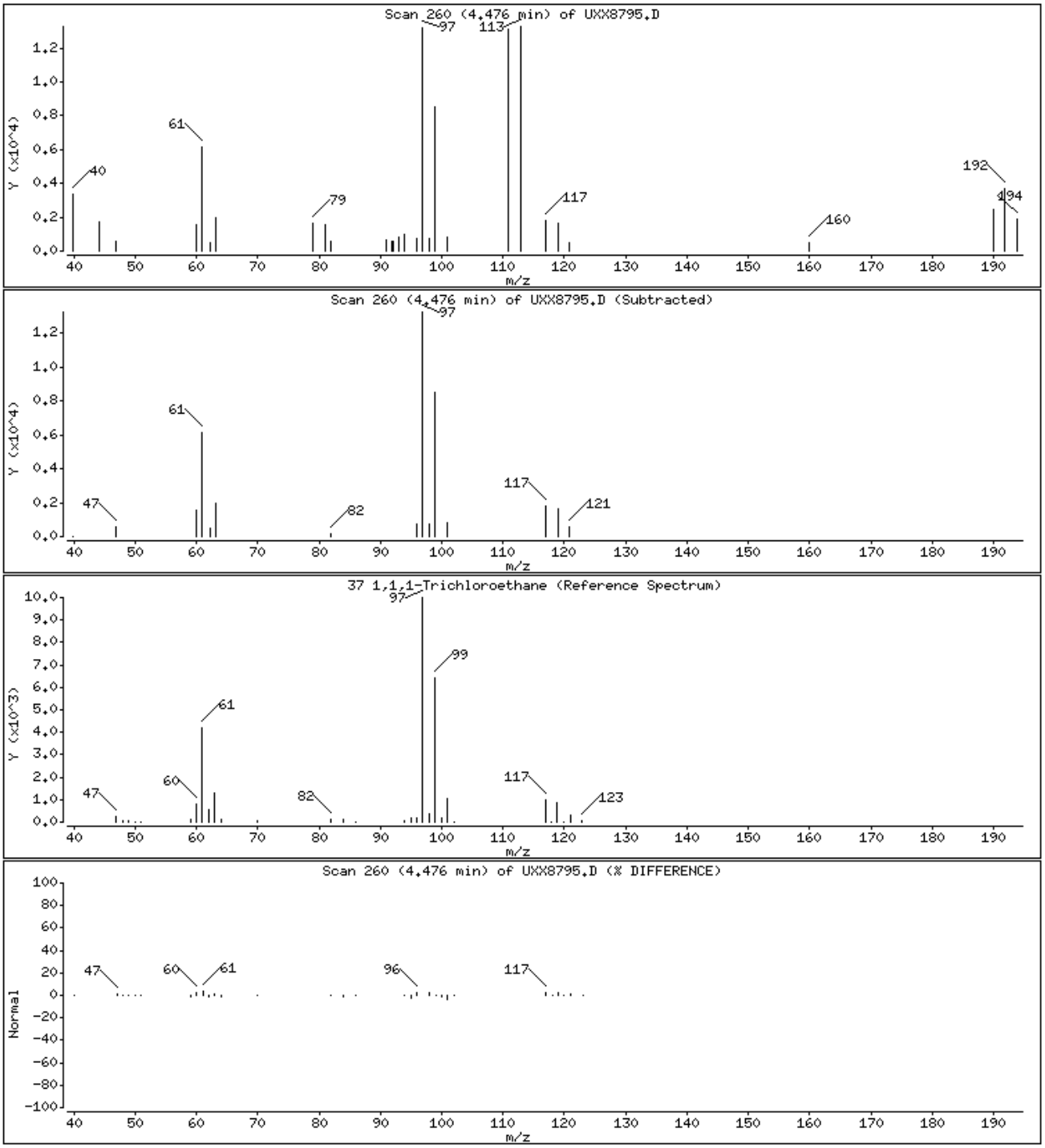
Client ID: GW-052405-JK-014 Instrument: a3ux10.i

Sample Info: HCDXD1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

37 1,1,1-Trichloroethane Concentration: 0.9951 ug/L



Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052505-JK-015

GC/MS Volatiles

Lot-Sample #...: A5E260235-015 **Work Order #...:** HCDXE1AA **Matrix.....:** WG
Date Sampled...: 05/25/05 09:10 **Date Received..:** 05/26/05
Prep Date.....: 06/04/05 **Analysis Date..:** 06/04/05
Prep Batch #...: 5157292
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052505-JK-015

GC/MS Volatiles

Lot-Sample #...: A5E260235-015 **Work Order #...:** HCDXE1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**0.55 J**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	**0.66 J**	**1.0**	**ug/L**
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	114	(73 - 122)
1,2-Dichloroethane-d4	110	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	83	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8796.D
Report Date: 06-Jun-2005 14:28

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8796.D
Lab Smp Id: HCDXE1AA Client Smp ID: GW-052505-JK-015
Inj Date : 04-JUN-2005 04:46
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HCDXE1AA,5ML/5ML
Misc Info : P50603B,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\8260LLUX10.m
Meth Date : 06-Jun-2005 08:23 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 47
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.sub
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	4.998	5.007	(1.000)	1007483	50.0000	
* 2 Chlorobenzene-d5	117	7.661	7.658	(1.000)	741935	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.897	9.894	(1.000)	310616	50.0000	
$ 4 Dibromofluoromethane	113	4.442	4.439	(0.889)	234456	57.0055	11.401
$ 5 1,2-Dichloroethane-d4	65	4.726	4.723	(0.946)	276912	55.1366	11.027
$ 6 Toluene-d8	98	6.359	6.356	(0.830)	725025	50.2494	10.050
$ 7 Bromofluorobenzene	95	8.761	8.758	(1.144)	217238	41.3954	8.279
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.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					
24 Methyl tert-butyl ether	73	Compound Not Detected.					
25 trans-1,2-Dichloroethene	96	Compound Not Detected.					

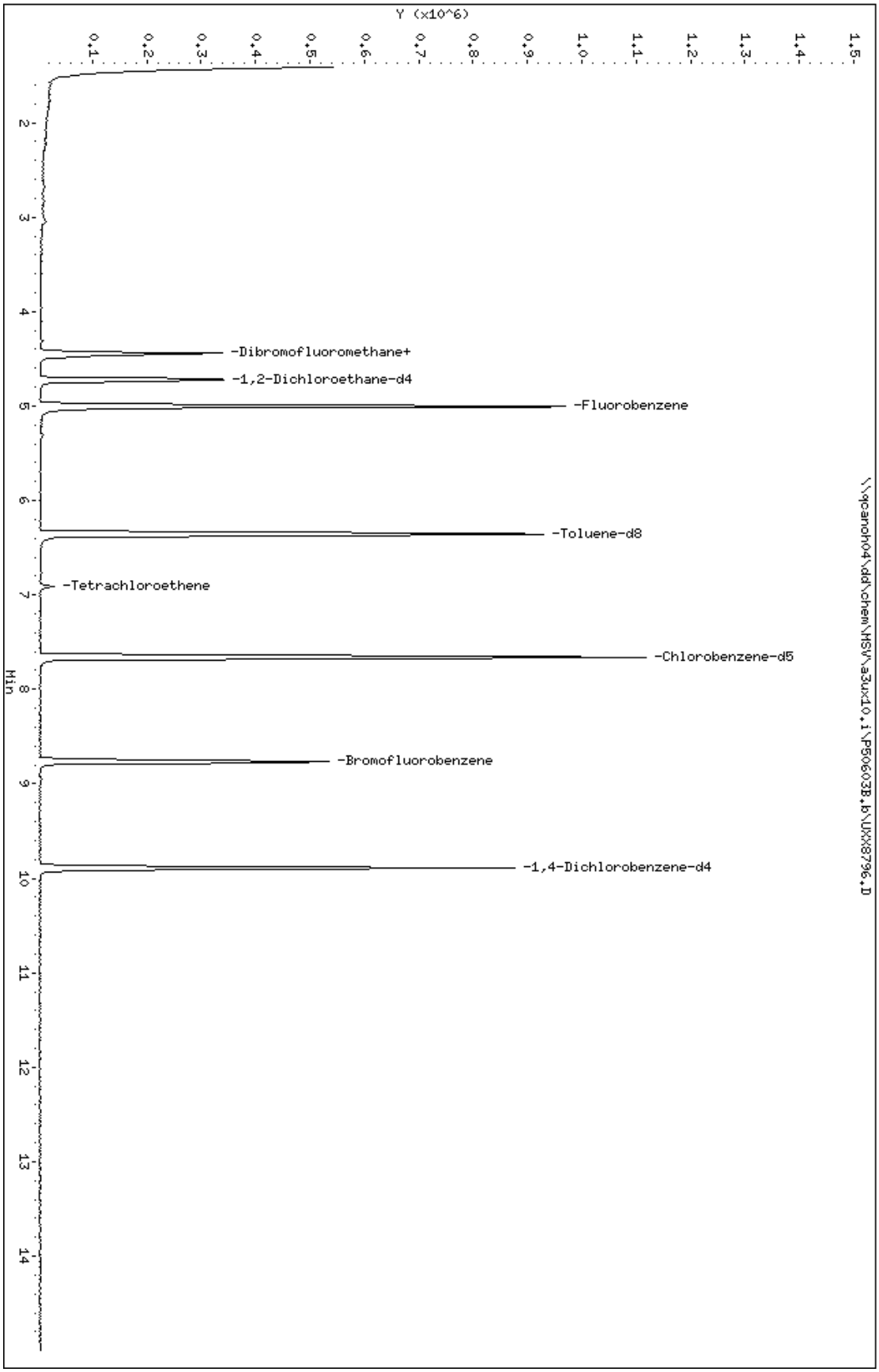
28	1,1-Dichloroethane	63	Compound Not Detected.
30	2-Butanone	43	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8796.D
Report Date: 06-Jun-2005 14:28

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
M 31	1,2-Dichloroethene (total)	96	Compound Not Detected.					
32	cis-1,2-dichloroethene	96	Compound Not Detected.					
35	Chloroform	83	Compound Not Detected.					
37	1,1,1-Trichloroethane	97	4.477	4.475	(0.896)	19314	3.30715	0.6614
39	Carbon Tetrachloride	117	Compound Not Detected.					
40	1,2-Dichloroethane	62	Compound Not Detected.					
41	Benzene	78	Compound Not Detected.					
42	Trichloroethene	130	Compound Not Detected.					
43	1,2-Dichloropropane	63	Compound Not Detected.					
46	Bromodichloromethane	83	Compound Not Detected.					
48	cis-1,3-Dichloropropene	75	Compound Not Detected.					
49	4-Methyl-2-pentanone	43	Compound Not Detected.					
50	Toluene	91	Compound Not Detected.					
51	trans-1,3-Dichloropropene	75	Compound Not Detected.					
53	1,1,2-Trichloroethane	97	Compound Not Detected.					
55	Tetrachloroethene	164	6.903	6.912	(0.901)	9900	2.73340	0.5467
56	2-Hexanone	43	Compound Not Detected.					
57	Dibromochloromethane	129	Compound Not Detected.					
58	1,2-Dibromoethane	107	Compound Not Detected.					
59	Chlorobenzene	112	Compound Not Detected.					
61	Ethylbenzene	106	Compound Not Detected.					
62	m + p-Xylene	106	Compound Not Detected.					
M 63	Xylenes (total)	106	Compound Not Detected.					
64	Xylene-o	106	Compound Not Detected.					
65	Styrene	104	Compound Not Detected.					
66	Bromoform	173	Compound Not Detected.					
67	Isopropylbenzene	105	Compound Not Detected.					
68	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8796.D
Date : 04-JUN-2005 04:46
Client ID: GW-052505-JK-015
Sample Info: HCDXE1AA,5ML/5ML
Purge Volume: 5.0
Column Phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



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Date : 04-JUN-2005 04:46

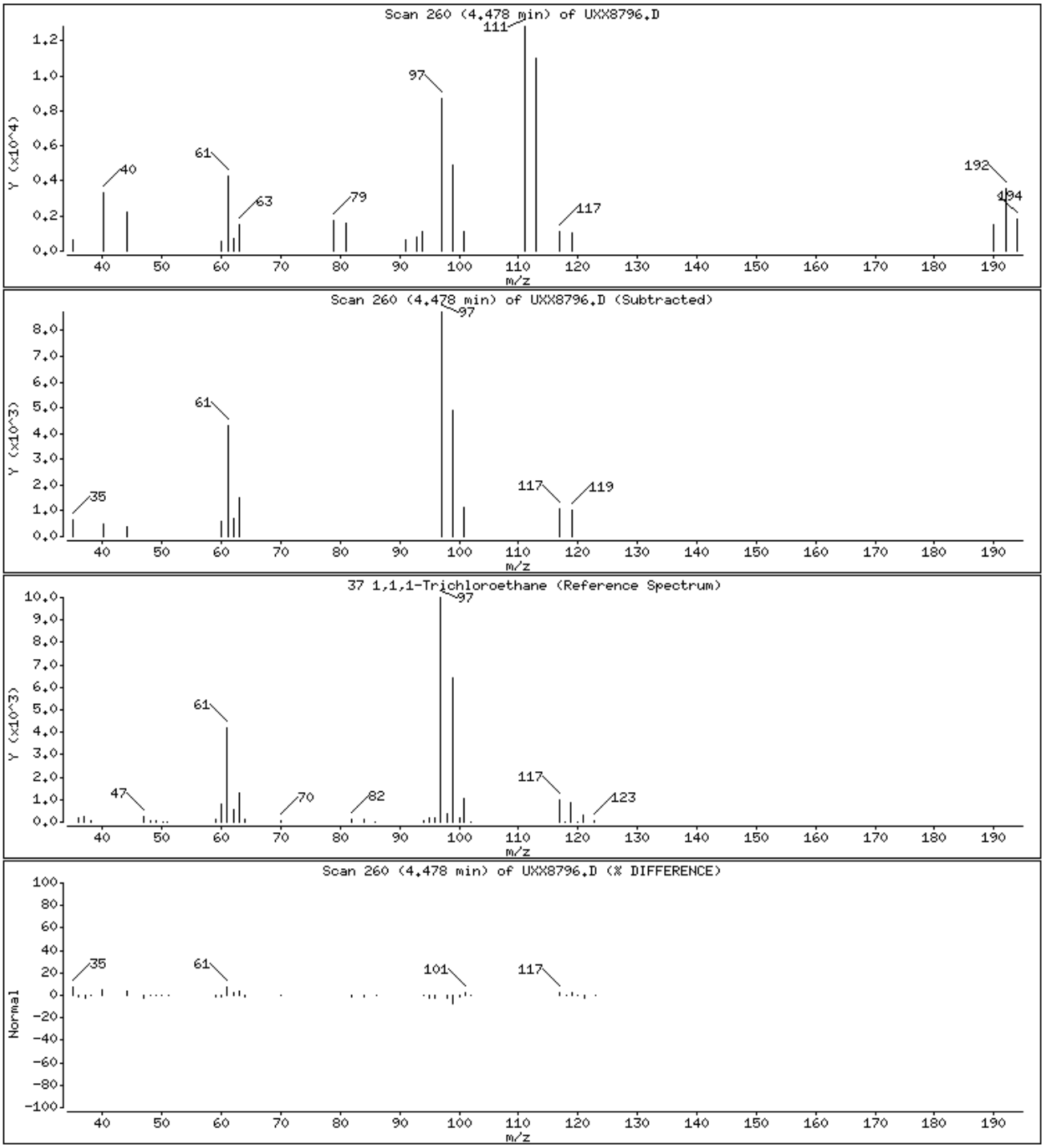
Client ID: GW-052505-JK-015 Instrument: a3ux10.i

Sample Info: HCDXE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

37 1,1,1-Trichloroethane Concentration: 0.6614 ug/L



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Date : 04-JUN-2005 04:46

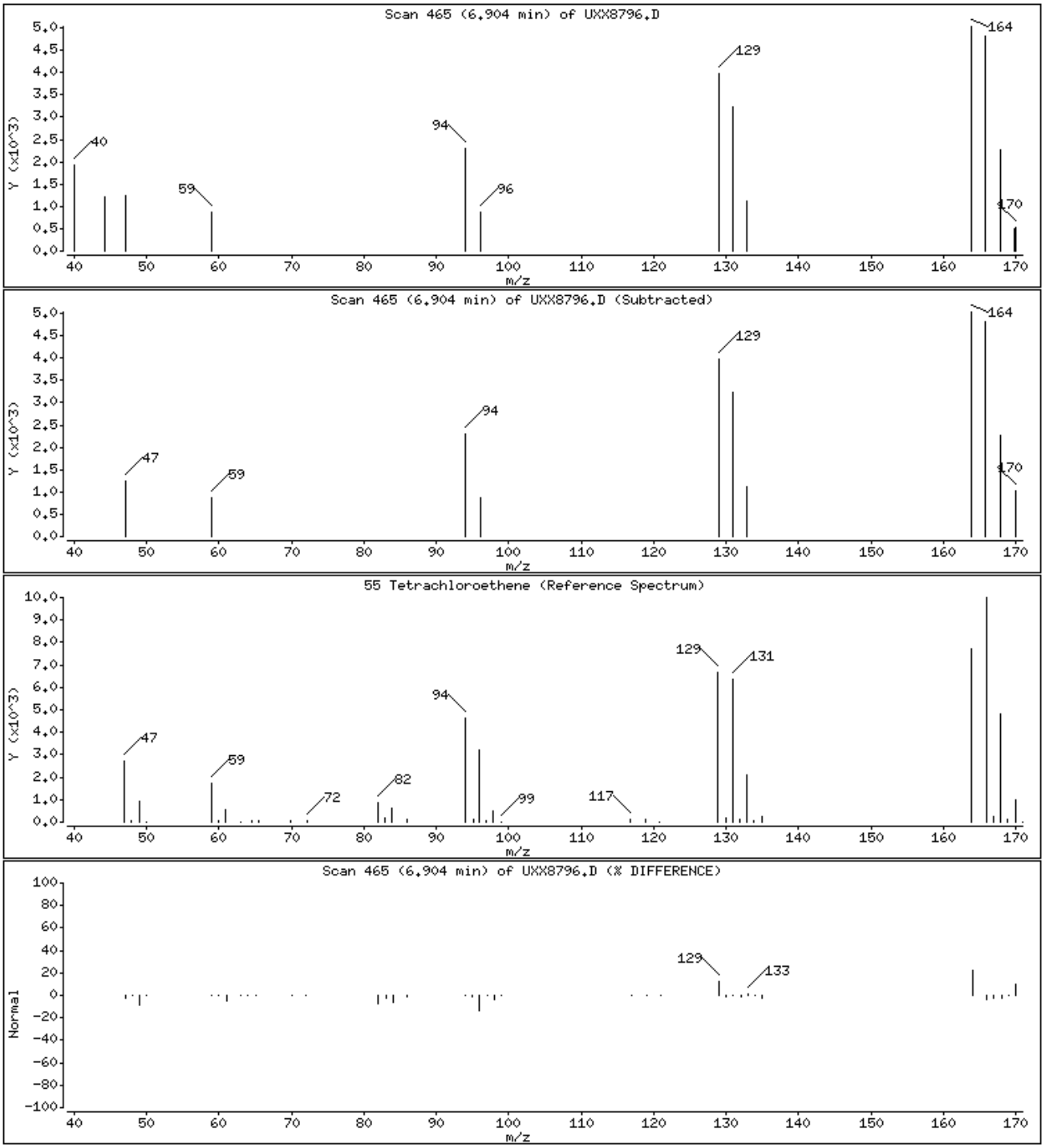
Client ID: GW-052505-JK-015 Instrument: a3ux10.i

Sample Info: HCDXE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 0.5467 ug/L



Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052505-JK-016

GC/MS Volatiles

Lot-Sample #...: A5E260235-016 **Work Order #...:** HCDXH1AA **Matrix.....:** WG
Date Sampled...: 05/25/05 11:00 **Date Received..:** 05/26/05
Prep Date.....: 06/04/05 **Analysis Date..:** 06/04/05
Prep Batch #...: 5157292
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052505-JK-016

GC/MS Volatiles

Lot-Sample #...: A5E260235-016 **Work Order #...:** HCDXH1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**0.28 J**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	**0.42 J**	**1.0**	**ug/L**
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	115	(73 - 122)
1,2-Dichloroethane-d4	110	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	83	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8797.D
Report Date: 06-Jun-2005 14:29

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8797.D
Lab Smp Id: HCDXH1AA Client Smp ID: GW-052505-JK-016
Inj Date : 04-JUN-2005 05:11
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HCDXH1AA,5ML/5ML
Misc Info : P50603B,8260LLUX10,,1904
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\8260LLUX10.m
Meth Date : 06-Jun-2005 08:23 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 48
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.sub
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.006	5.007	(1.000)	1013560	50.0000	
* 2 Chlorobenzene-d5	117	7.657	7.658	(1.000)	741030	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.893	9.894	(1.000)	301913	50.0000	
$ 4 Dibromofluoromethane	113	4.438	4.439	(0.887)	237966	57.5120	11.502
$ 5 1,2-Dichloroethane-d4	65	4.722	4.723	(0.943)	277511	54.9245	10.985
$ 6 Toluene-d8	98	6.355	6.356	(0.830)	715493	49.6494	9.930
$ 7 Bromofluorobenzene	95	8.769	8.758	(1.145)	218402	41.6680	8.334
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.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					
24 Methyl tert-butyl ether	73	Compound Not Detected.					
25 trans-1,2-Dichloroethene	96	Compound Not Detected.					

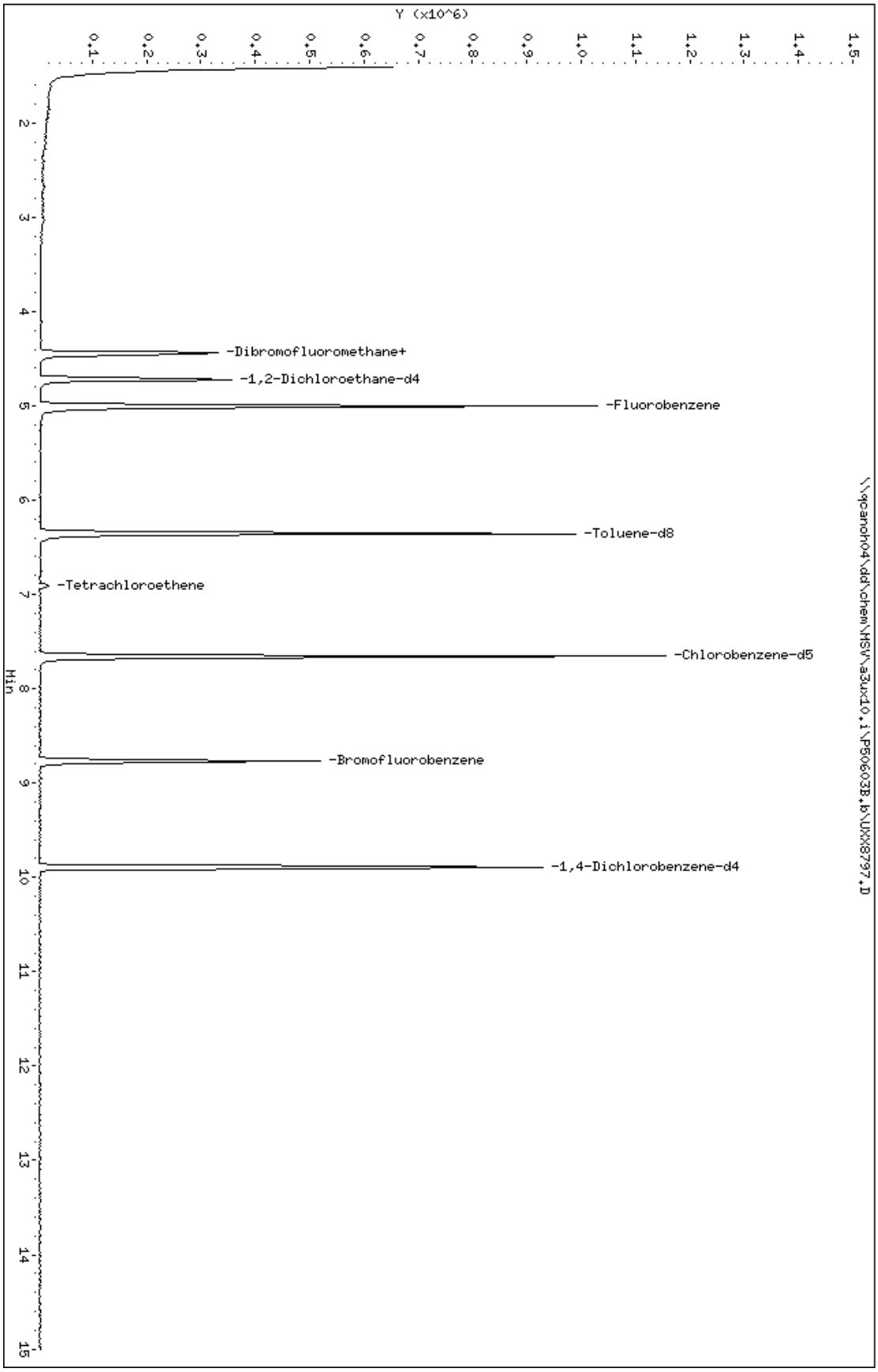
28	1,1-Dichloroethane	63	Compound Not Detected.
30	2-Butanone	43	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8797.D
Report Date: 06-Jun-2005 14:29

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
M 31	1,2-Dichloroethene (total)	96	Compound Not Detected.					
32	cis-1,2-dichloroethene	96	Compound Not Detected.					
35	Chloroform	83	Compound Not Detected.					
37	1,1,1-Trichloroethane	97	4.474	4.475	(0.894)	12474	2.12312	0.4246
39	Carbon Tetrachloride	117	Compound Not Detected.					
40	1,2-Dichloroethane	62	Compound Not Detected.					
41	Benzene	78	Compound Not Detected.					
42	Trichloroethene	130	Compound Not Detected.					
43	1,2-Dichloropropane	63	Compound Not Detected.					
46	Bromodichloromethane	83	Compound Not Detected.					
48	cis-1,3-Dichloropropene	75	Compound Not Detected.					
49	4-Methyl-2-pentanone	43	Compound Not Detected.					
50	Toluene	91	Compound Not Detected.					
51	trans-1,3-Dichloropropene	75	Compound Not Detected.					
53	1,1,2-Trichloroethane	97	Compound Not Detected.					
55	Tetrachloroethene	164	6.911	6.912	(0.903)	5058	1.39822	0.2796
56	2-Hexanone	43	Compound Not Detected.					
57	Dibromochloromethane	129	Compound Not Detected.					
58	1,2-Dibromoethane	107	Compound Not Detected.					
59	Chlorobenzene	112	Compound Not Detected.					
61	Ethylbenzene	106	Compound Not Detected.					
62	m + p-Xylene	106	Compound Not Detected.					
M 63	Xylenes (total)	106	Compound Not Detected.					
64	Xylene-o	106	Compound Not Detected.					
65	Styrene	104	Compound Not Detected.					
66	Bromoform	173	Compound Not Detected.					
67	Isopropylbenzene	105	Compound Not Detected.					
68	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8797.D
Date : 04-JUN-2005 05:11
Client ID: GW-052505-JK-016
Sample Info: HCDXH1AA,5ML/5ML
Purge Volume: 5.0
Column Phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8797.D

Date : 04-JUN-2005 05:11

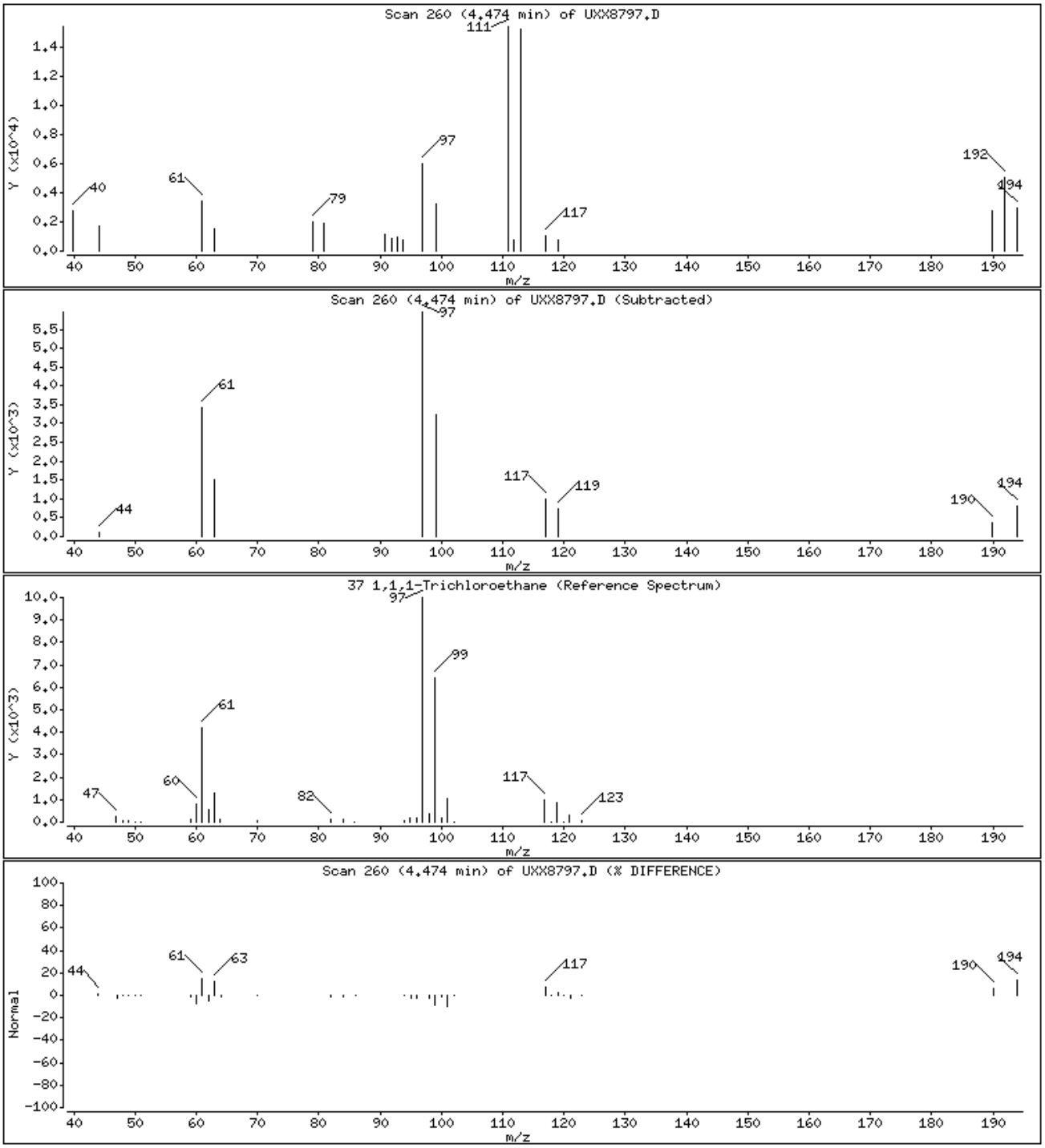
Client ID: GW-052505-JK-016 Instrument: a3ux10.i

Sample Info: HCDXH1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

37 1,1,1-Trichloroethane Concentration: 0.4246 ug/L



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Date : 04-JUN-2005 05:11

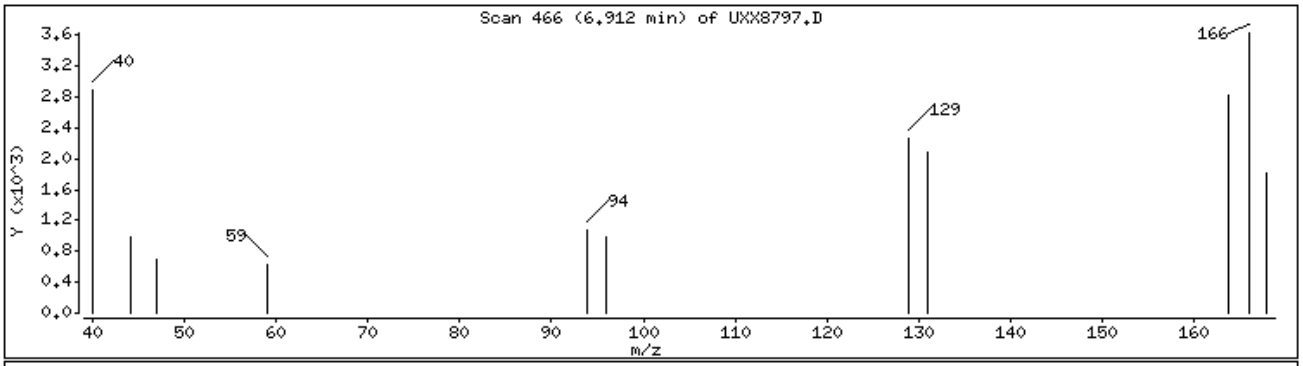
Client ID: GW-052505-JK-016 Instrument: a3ux10.i

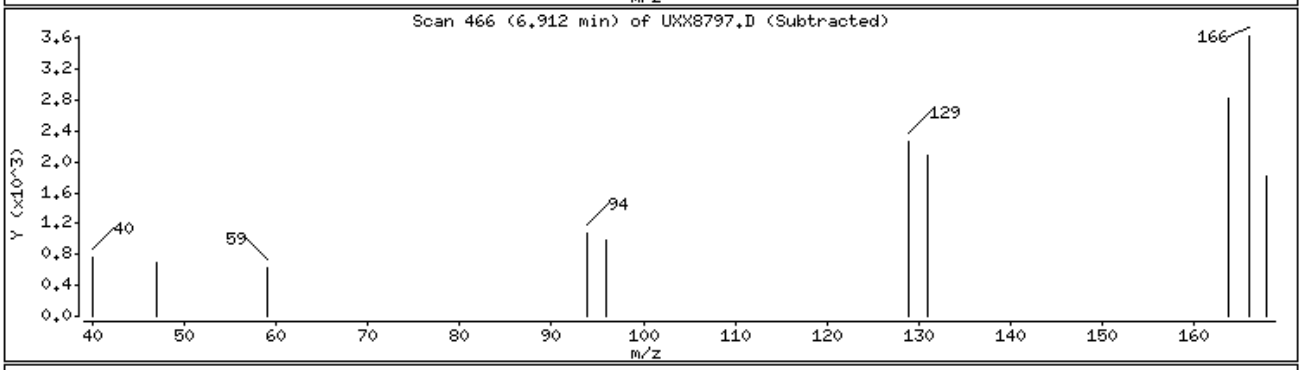
Sample Info: HCDXH1AA,5ML/5ML

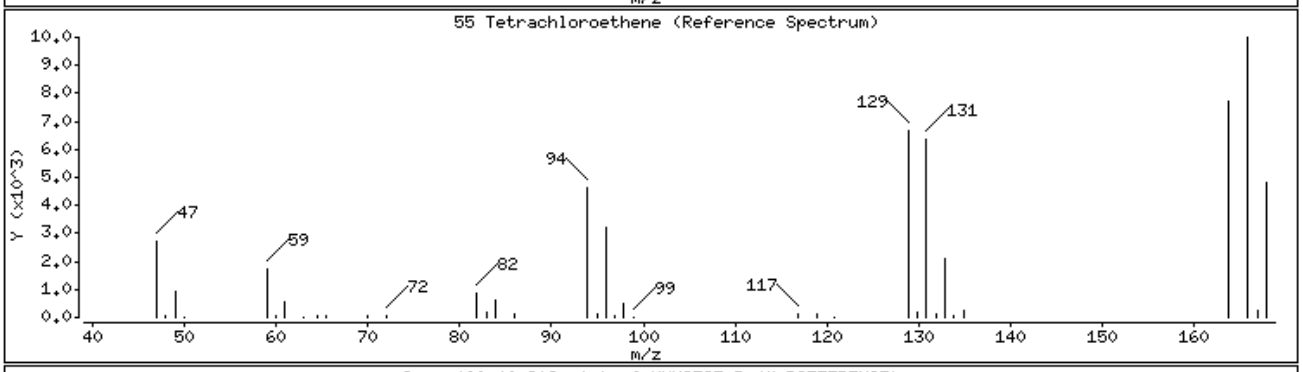
Purge Volume: 5.0 Operator: 1904

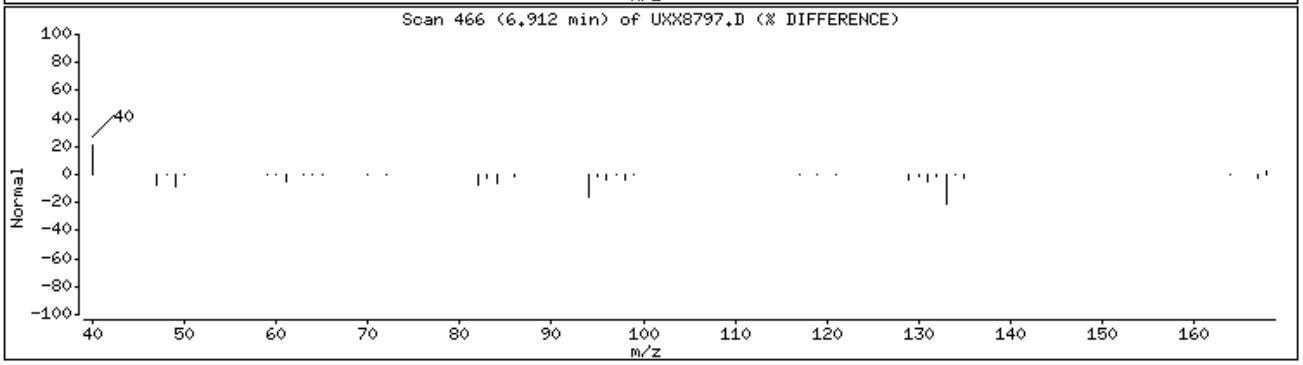
Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 0.2796 ug/L









Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052505-JK-017

GC/MS Volatiles

Lot-Sample #...: A5E260235-017 **Work Order #...:** HCDXJ1AA **Matrix.....:** WG
Date Sampled...: 05/25/05 11:10 **Date Received..:** 05/26/05
Prep Date.....: 06/04/05 **Analysis Date..:** 06/04/05
Prep Batch #...: 5157292
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052505-JK-017

GC/MS Volatiles

Lot-Sample #...: A5E260235-017 **Work Order #...:** HCDXJ1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	115	(73 - 122)
1,2-Dichloroethane-d4	112	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	78	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8798.D
Report Date: 06-Jun-2005 14:29

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8798.D
Lab Smp Id: HCDXJ1AA Client Smp ID: GW-052505-JK-017
Inj Date : 04-JUN-2005 05:36
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HCDXJ1AA,5ML/5ML
Misc Info : P50603B,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\8260LLUX10.m
Meth Date : 06-Jun-2005 08:23 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 49
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.sub
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.006	5.007	(1.000)	1020542	50.0000	
* 2 Chlorobenzene-d5	117	7.657	7.658	(1.000)	752054	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.893	9.894	(1.000)	281017	50.0000	
$ 4 Dibromofluoromethane	113	4.438	4.439	(0.887)	239670	57.5275	11.506
$ 5 1,2-Dichloroethane-d4	65	4.722	4.723	(0.943)	285115	56.0434	11.209
$ 6 Toluene-d8	98	6.355	6.356	(0.830)	725798	49.6262	9.925
$ 7 Bromofluorobenzene	95	8.769	8.758	(1.145)	207158	38.9435	7.789
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.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					
24 Methyl tert-butyl ether	73	Compound Not Detected.					
25 trans-1,2-Dichloroethene	96	Compound Not Detected.					

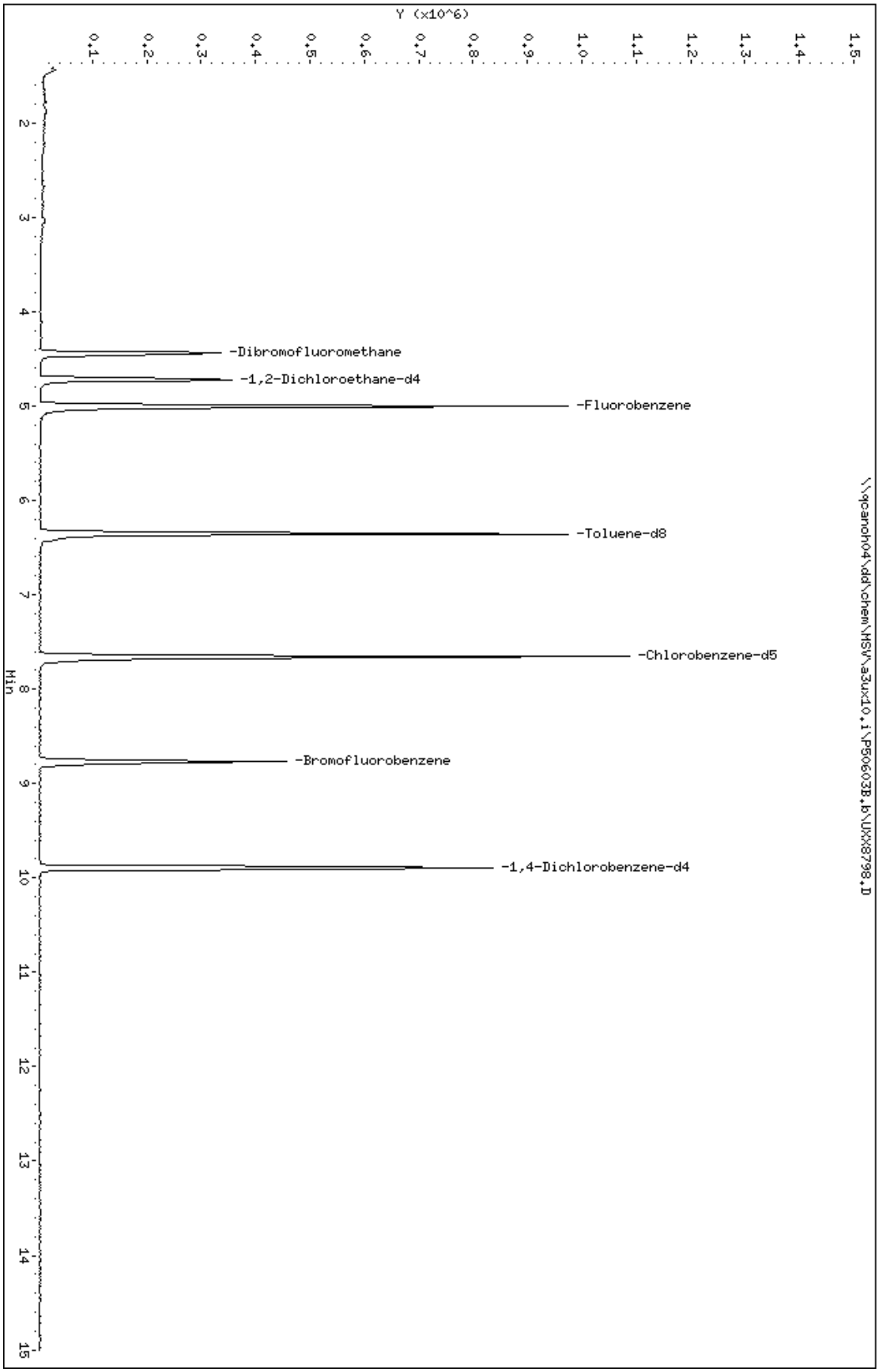
28	1,1-Dichloroethane	63	Compound Not Detected.
30	2-Butanone	43	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8798.D
Report Date: 06-Jun-2005 14:29

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	80 1,3-Dichlorobenzene	146	Compound Not Detected.					
	81 1,4-Dichlorobenzene	146	Compound Not Detected.					
	83 1,2-Dichlorobenzene	146	Compound Not Detected.					
	85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	98 Cyclohexane	56	Compound Not Detected.					
	143 Methyl Acetate	43	Compound Not Detected.					
	144 Methylcyclohexane	83	Compound Not Detected.					
	84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8798.D
Date : 04-JUN-2005 05:36
Client ID: GW-052505-JK-017
Sample Info: HCDXJ1AA,5ML/5ML
Purge Volume: 5.0
Column Phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052505-JK-018

GC/MS Volatiles

Lot-Sample #...: A5E260235-018 **Work Order #...:** HCDXK1AA **Matrix.....:** WG
Date Sampled...: 05/25/05 12:30 **Date Received..:** 05/26/05
Prep Date.....: 06/04/05 **Analysis Date..:** 06/04/05
Prep Batch #...: 5157292
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052505-JK-018

GC/MS Volatiles

Lot-Sample #...: A5E260235-018 **Work Order #...:** HCDXK1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**3.2**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	**1.2**	**1.0**	**ug/L**
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**0.82 J**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	116	(73 - 122)
1,2-Dichloroethane-d4	115	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	79	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8799.D
Report Date: 06-Jun-2005 14:29

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8799.D
Lab Smp Id: HCDXK1AA Client Smp ID: GW-052505-JK-018
Inj Date : 04-JUN-2005 06:01
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HCDXK1AA,5ML/5ML
Misc Info : P50603B,8260LLUX10,,1904
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\8260LLUX10.m
Meth Date : 06-Jun-2005 08:23 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 50
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.sub
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.008	5.007	(1.000)	1016820	50.0000	
* 2 Chlorobenzene-d5	117	7.659	7.658	(1.000)	753672	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.895	9.894	(1.000)	287844	50.0000	
$ 4 Dibromofluoromethane	113	4.440	4.439	(0.887)	240752	57.9988	11.600
$ 5 1,2-Dichloroethane-d4	65	4.724	4.723	(0.943)	290996	57.4088	11.482
$ 6 Toluene-d8	98	6.357	6.356	(0.830)	729808	49.7932	9.959
$ 7 Bromofluorobenzene	95	8.759	8.758	(1.144)	210504	39.4875	7.898
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.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					
24 Methyl tert-butyl ether	73	Compound Not Detected.					
25 trans-1,2-Dichloroethene	96	Compound Not Detected.					

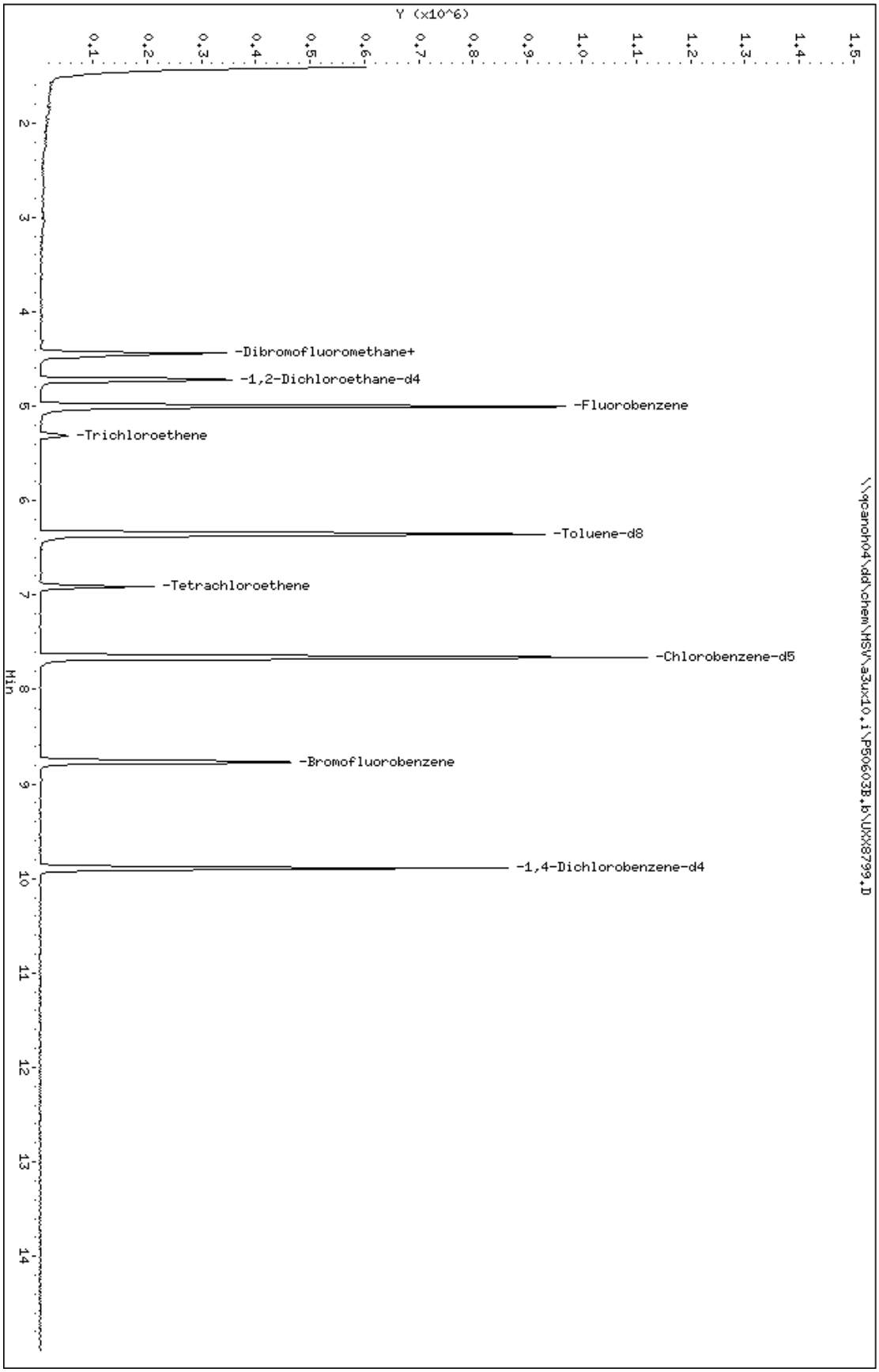
28	1,1-Dichloroethane	63	Compound Not Detected.
30	2-Butanone	43	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8799.D
Report Date: 06-Jun-2005 14:29

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
M 31	1,2-Dichloroethene (total)	96	Compound Not Detected.					
32	cis-1,2-dichloroethene	96	Compound Not Detected.					
35	Chloroform	83	Compound Not Detected.					
37	1,1,1-Trichloroethane	97	4.476	4.475	(0.894)	36597	6.20898	1.242
39	Carbon Tetrachloride	117	Compound Not Detected.					
40	1,2-Dichloroethane	62	Compound Not Detected.					
41	Benzene	78	Compound Not Detected.					
42	Trichloroethene	130	5.316	5.315	(1.061)	19170	4.12175	0.8243
43	1,2-Dichloropropane	63	Compound Not Detected.					
46	Bromodichloromethane	83	Compound Not Detected.					
48	cis-1,3-Dichloropropene	75	Compound Not Detected.					
49	4-Methyl-2-pentanone	43	Compound Not Detected.					
50	Toluene	91	Compound Not Detected.					
51	trans-1,3-Dichloropropene	75	Compound Not Detected.					
53	1,1,2-Trichloroethane	97	Compound Not Detected.					
55	Tetrachloroethene	164	6.913	6.912	(0.903)	59307	16.1197	3.224
56	2-Hexanone	43	Compound Not Detected.					
57	Dibromochloromethane	129	Compound Not Detected.					
58	1,2-Dibromoethane	107	Compound Not Detected.					
59	Chlorobenzene	112	Compound Not Detected.					
61	Ethylbenzene	106	Compound Not Detected.					
62	m + p-Xylene	106	Compound Not Detected.					
M 63	Xylenes (total)	106	Compound Not Detected.					
64	Xylene-o	106	Compound Not Detected.					
65	Styrene	104	Compound Not Detected.					
66	Bromoform	173	Compound Not Detected.					
67	Isopropylbenzene	105	Compound Not Detected.					
68	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8799.D
Date : 04-JUN-2005 06:01
Client ID: GW-052505-JK-018
Sample Info: HCDXK1AA,5ML/5ML
Purge Volume: 5.0
Column Phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8799.D

Date : 04-JUN-2005 06:01

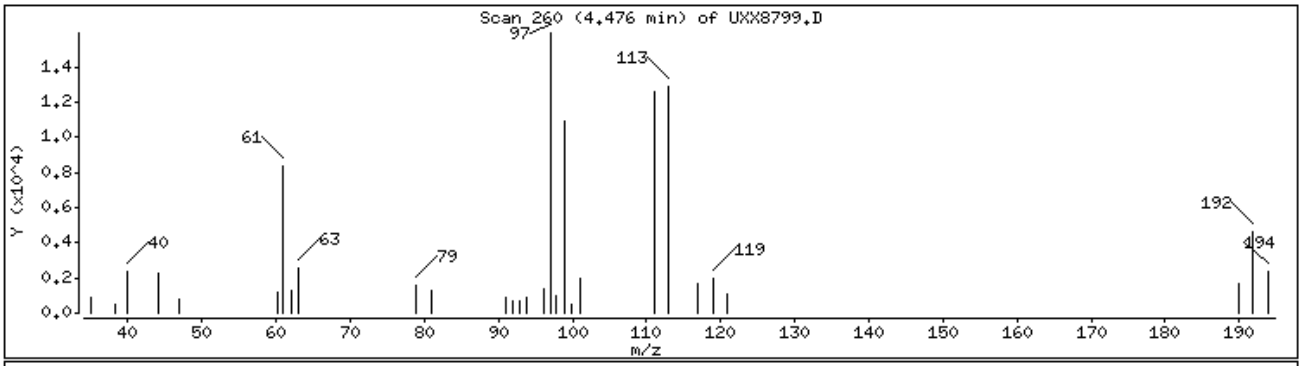
Client ID: GW-052505-JK-018 Instrument: a3ux10.i

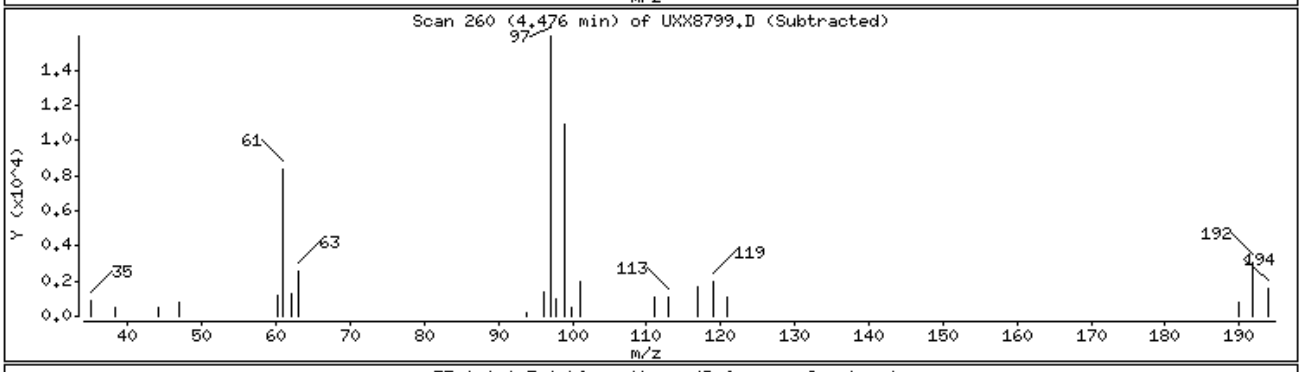
Sample Info: HCDXK1AA,5ML/5ML

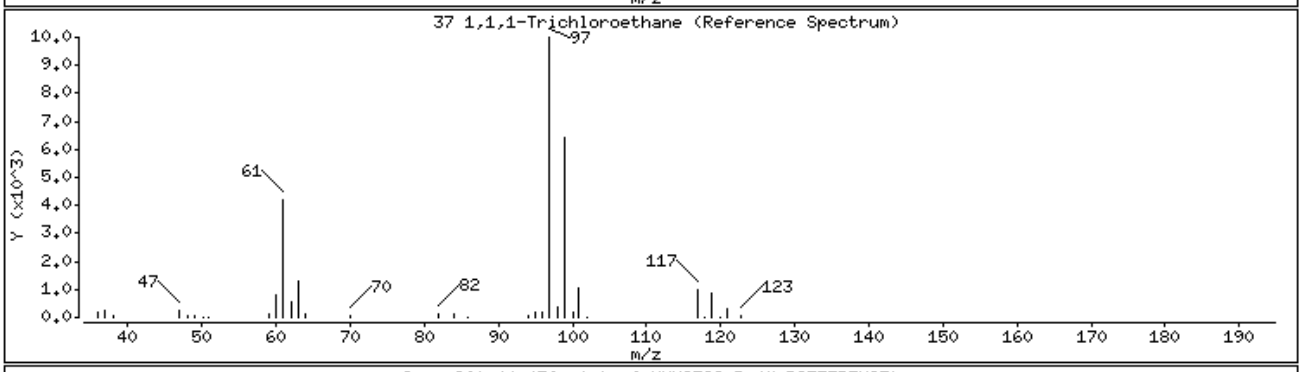
Purge Volume: 5.0 Operator: 1904

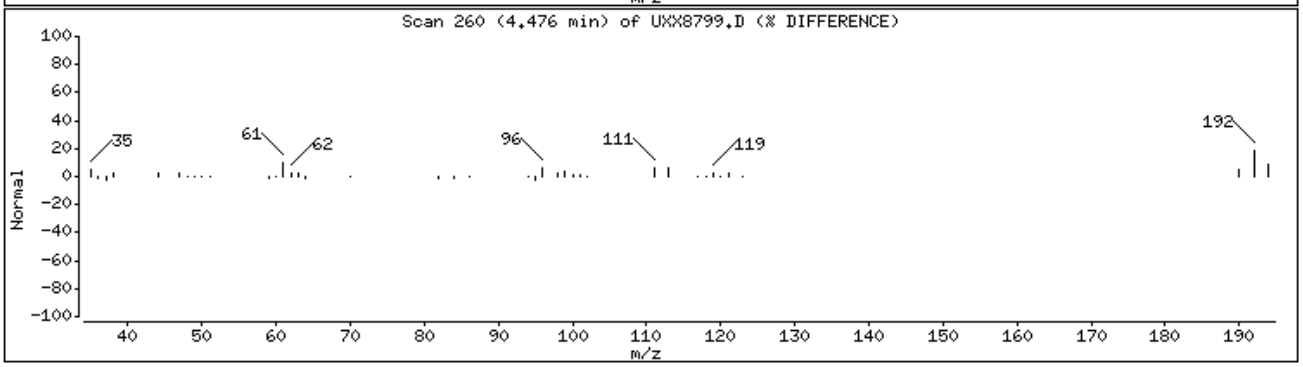
Column phase: DB624 Column diameter: 0.18

37 1,1,1-Trichloroethane Concentration: 1.242 ug/L









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Date : 04-JUN-2005 06:01

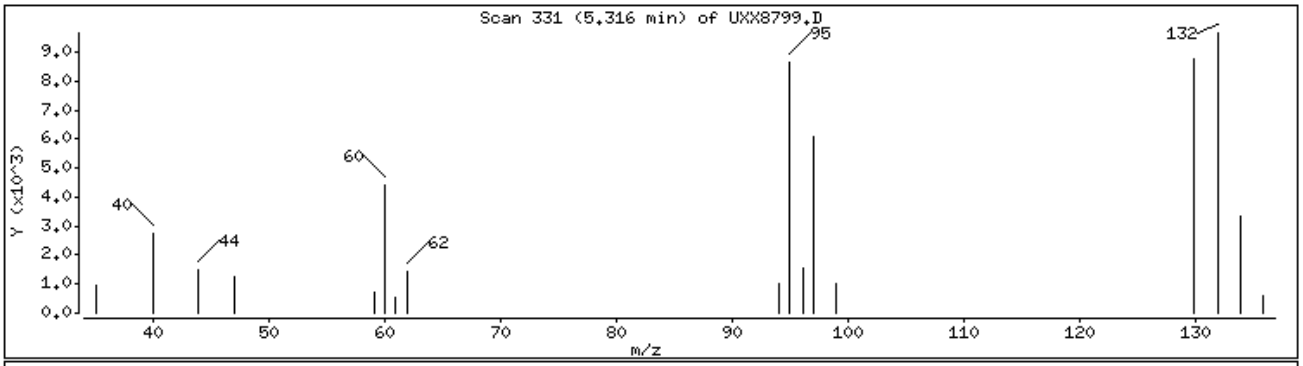
Client ID: GW-052505-JK-018 Instrument: a3ux10.i

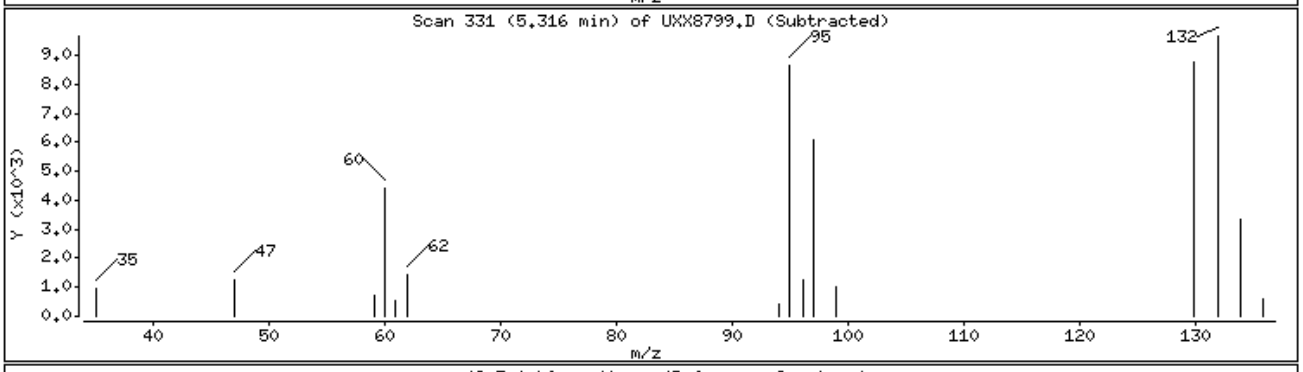
Sample Info: HCDXK1AA,5ML/5ML

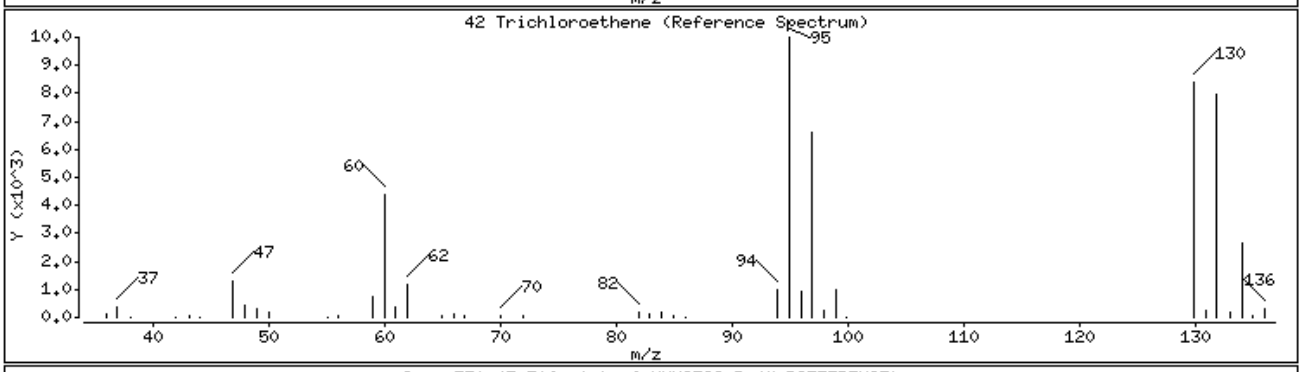
Purge Volume: 5.0 Operator: 1904

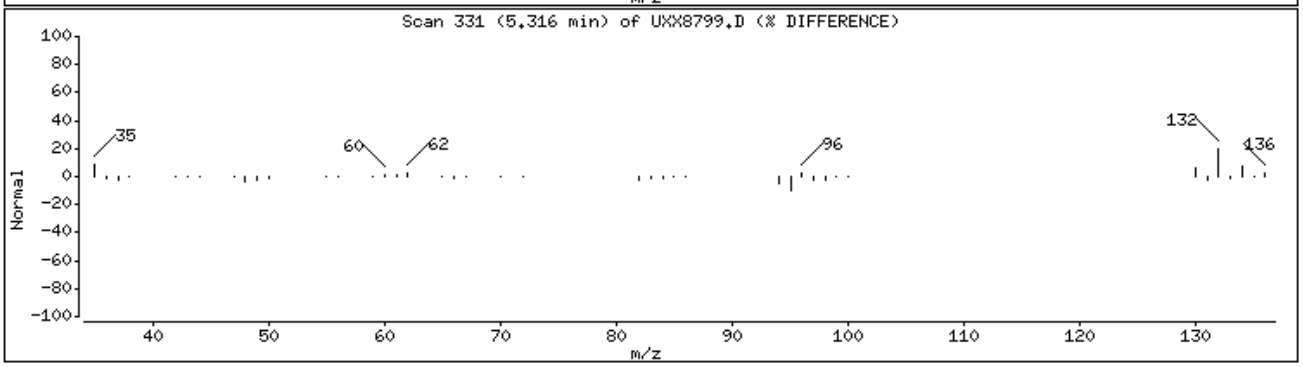
Column phase: DB624 Column diameter: 0.18

42 Trichloroethene Concentration: 0.8243 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8799.D

Date : 04-JUN-2005 06:01

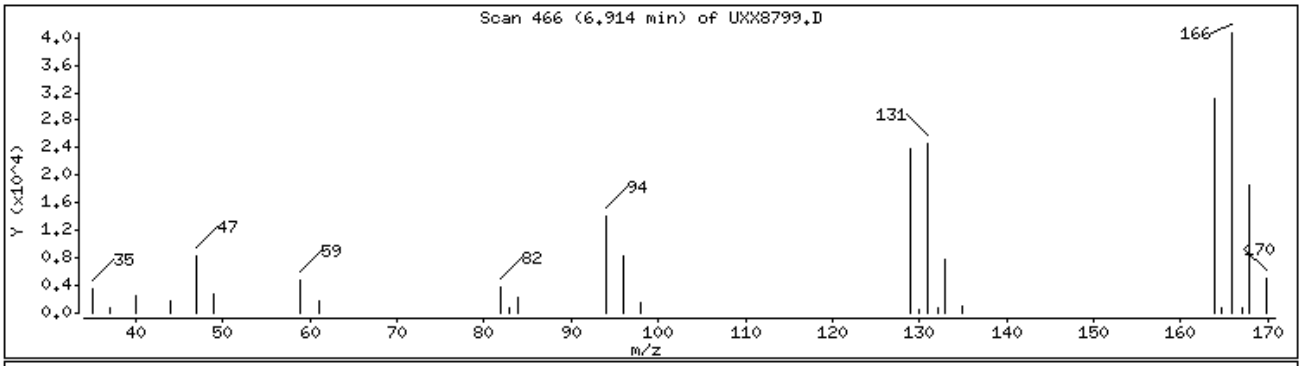
Client ID: GW-052505-JK-018 Instrument: a3ux10.i

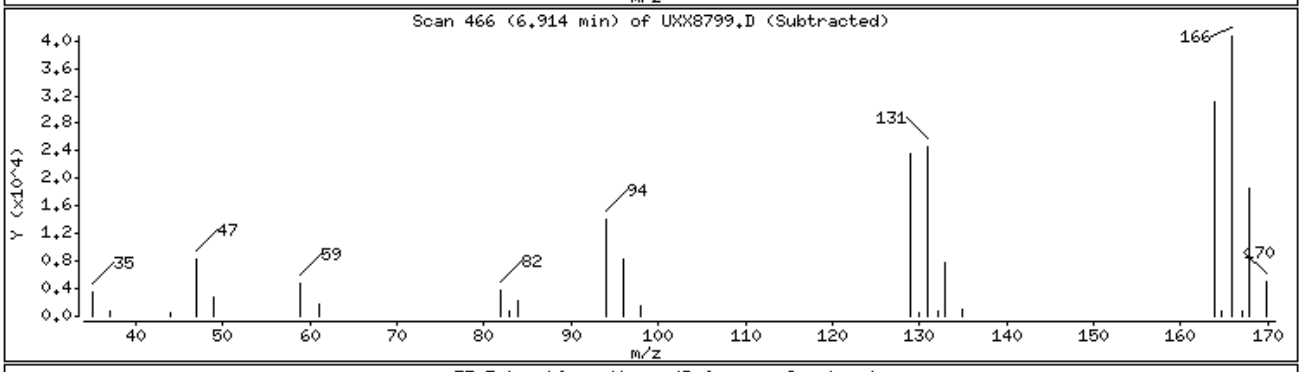
Sample Info: HCDXK1AA,5ML/5ML

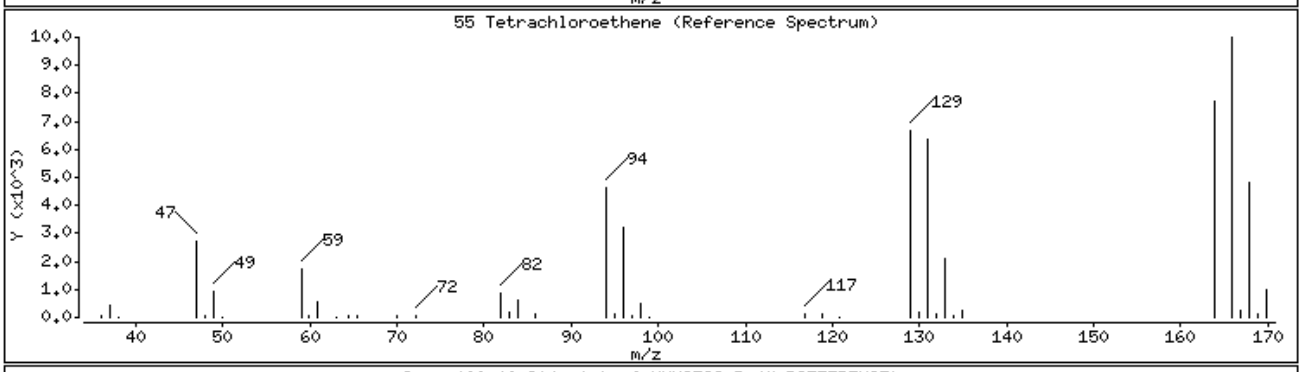
Purge Volume: 5.0 Operator: 1904

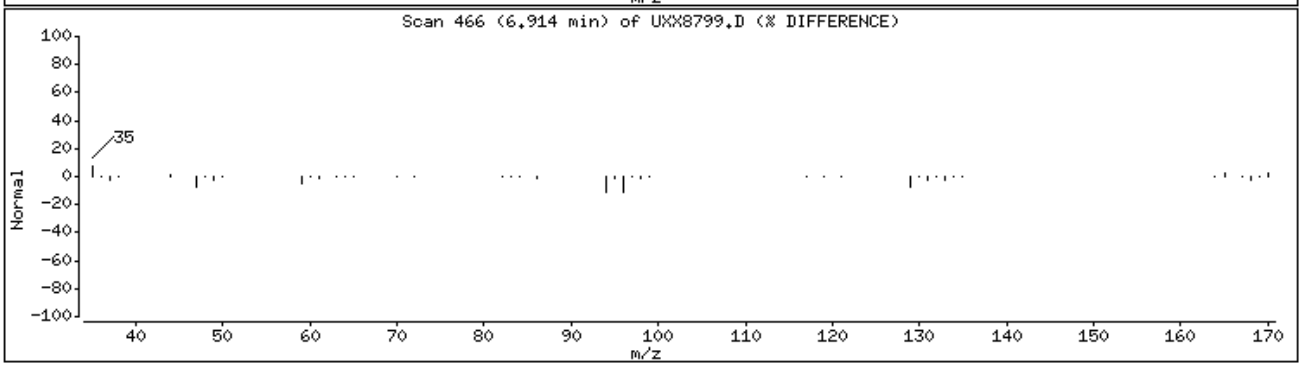
Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 3.224 ug/L









Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052505-JK-019

GC/MS Volatiles

Lot-Sample #...: A5E260235-019 **Work Order #...:** HCDXL1AA **Matrix.....:** WG
Date Sampled...: 05/25/05 14:15 **Date Received..:** 05/26/05
Prep Date.....: 06/04/05 **Analysis Date..:** 06/04/05
Prep Batch #...: 5157292
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052505-JK-019

GC/MS Volatiles

Lot-Sample #...: A5E260235-019 **Work Order #...:** HCDXL1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**3.0**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	**1.4**	**1.0**	**ug/L**
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**0.94 J**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	118	(73 - 122)
1,2-Dichloroethane-d4	116	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	76	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8800.D
Report Date: 06-Jun-2005 14:29

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8800.D
Lab Smp Id: HCDXL1AA Client Smp ID: GW-052505-JK-019
Inj Date : 04-JUN-2005 06:26
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HCDXL1AA,5ML/5ML
Misc Info : P50603B,8260LLUX10,,1904
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\8260LLUX10.m
Meth Date : 06-Jun-2005 08:23 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 51
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.sub
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.008	5.007	(1.000)	990227	50.0000	
* 2 Chlorobenzene-d5	117	7.658	7.658	(1.000)	743971	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.895	9.894	(1.000)	271524	50.0000	
$ 4 Dibromofluoromethane	113	4.440	4.439	(0.887)	238882	59.0938	11.819
$ 5 1,2-Dichloroethane-d4	65	4.724	4.723	(0.943)	285257	57.7879	11.558
$ 6 Toluene-d8	98	6.357	6.356	(0.830)	703242	48.6063	9.721
$ 7 Bromofluorobenzene	95	8.771	8.758	(1.145)	199760	37.9607	7.592
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.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					
24 Methyl tert-butyl ether	73	Compound Not Detected.					
25 trans-1,2-Dichloroethene	96	Compound Not Detected.					

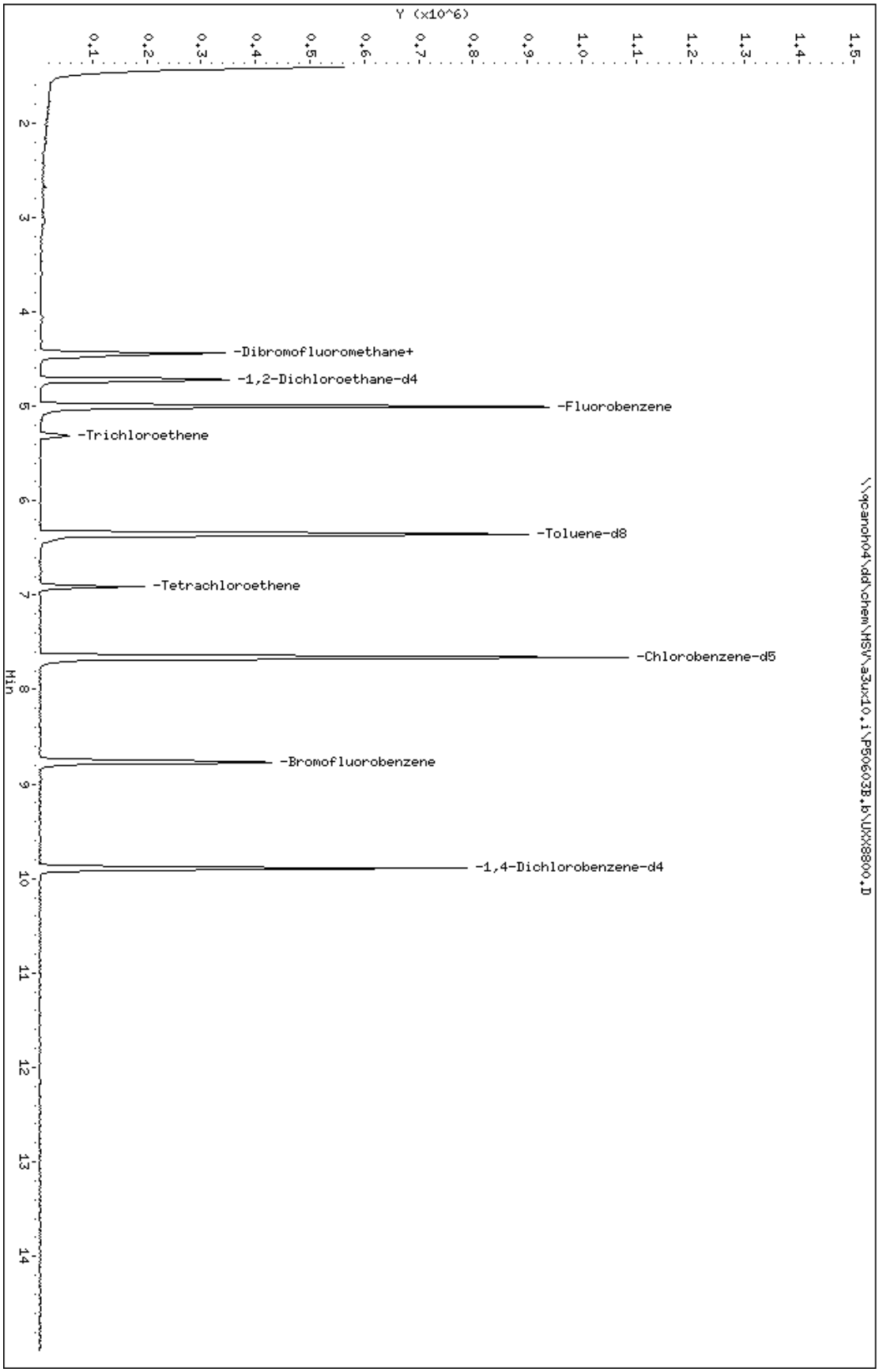
28	1,1-Dichloroethane	63	Compound Not Detected.
30	2-Butanone	43	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8800.D
Report Date: 06-Jun-2005 14:29

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
M 31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
32 cis-1,2-dichloroethene	96	Compound Not Detected.					
35 Chloroform	83	Compound Not Detected.					
37 1,1,1-Trichloroethane	97	4.475	4.475	(0.894)	39990	6.96684	1.393
39 Carbon Tetrachloride	117	Compound Not Detected.					
40 1,2-Dichloroethane	62	Compound Not Detected.					
41 Benzene	78	Compound Not Detected.					
42 Trichloroethene	130	5.315	5.315	(1.061)	21357	4.71529	0.9430
43 1,2-Dichloropropane	63	Compound Not Detected.					
46 Bromodichloromethane	83	Compound Not Detected.					
48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
49 4-Methyl-2-pentanone	43	Compound Not Detected.					
50 Toluene	91	Compound Not Detected.					
51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
53 1,1,2-Trichloroethane	97	Compound Not Detected.					
55 Tetrachloroethene	164	6.913	6.912	(0.903)	54507	15.0082	3.002
56 2-Hexanone	43	Compound Not Detected.					
57 Dibromochloromethane	129	Compound Not Detected.					
58 1,2-Dibromoethane	107	Compound Not Detected.					
59 Chlorobenzene	112	Compound Not Detected.					
61 Ethylbenzene	106	Compound Not Detected.					
62 m + p-Xylene	106	Compound Not Detected.					
M 63 Xylenes (total)	106	Compound Not Detected.					
64 Xylene-o	106	Compound Not Detected.					
65 Styrene	104	Compound Not Detected.					
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8800.D
Date : 04-JUN-2005 06:26
Client ID: GW-052505-JK-019
Sample Info: HCDXL1AA,5ML/5ML
Purge Volume: 5.0
Column Phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



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Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8800.D

Date : 04-JUN-2005 06:26

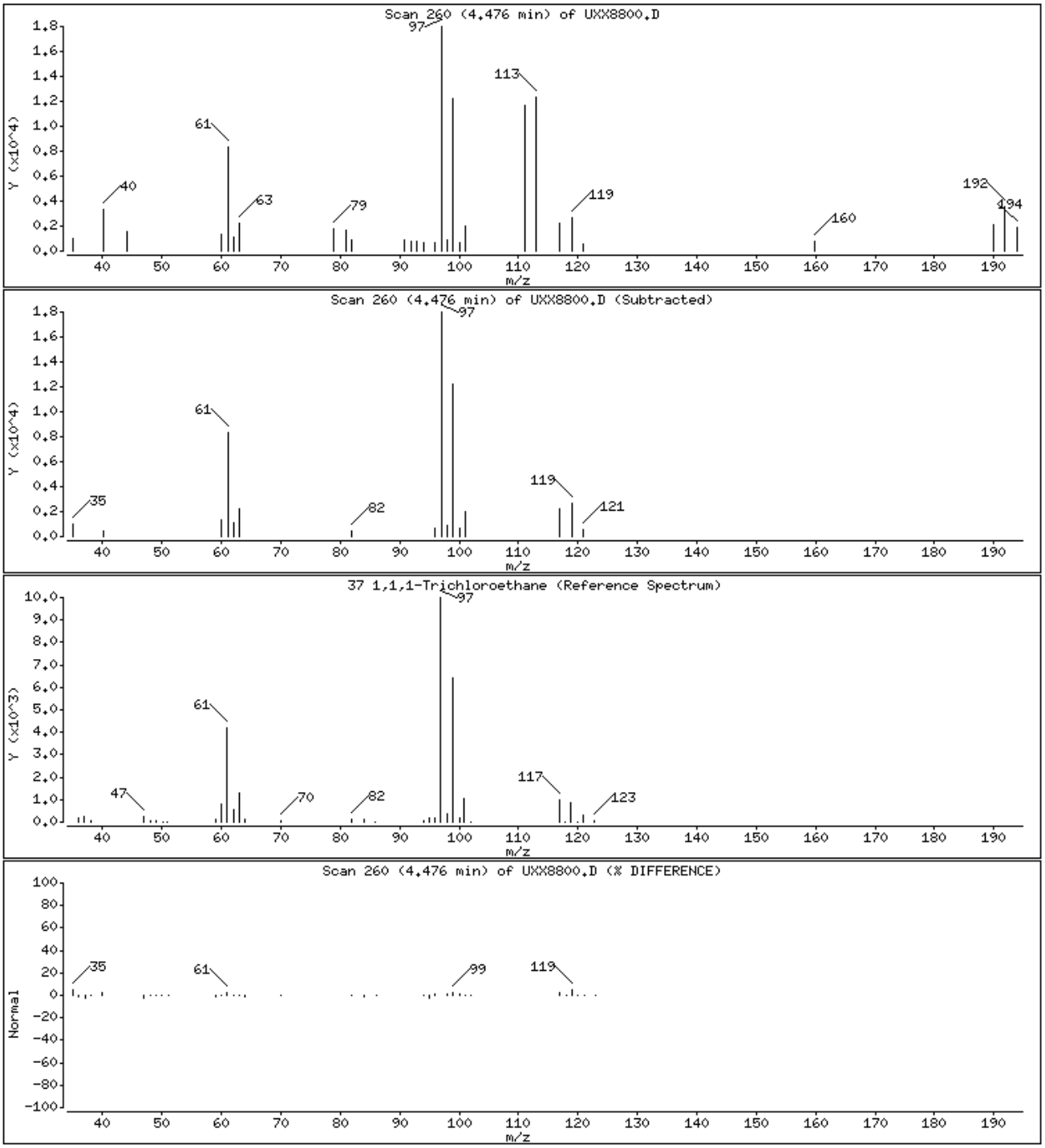
Client ID: GW-052505-JK-019 Instrument: a3ux10.i

Sample Info: HCDXL1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

37 1,1,1-Trichloroethane Concentration: 1.393 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8800.D

Date : 04-JUN-2005 06:26

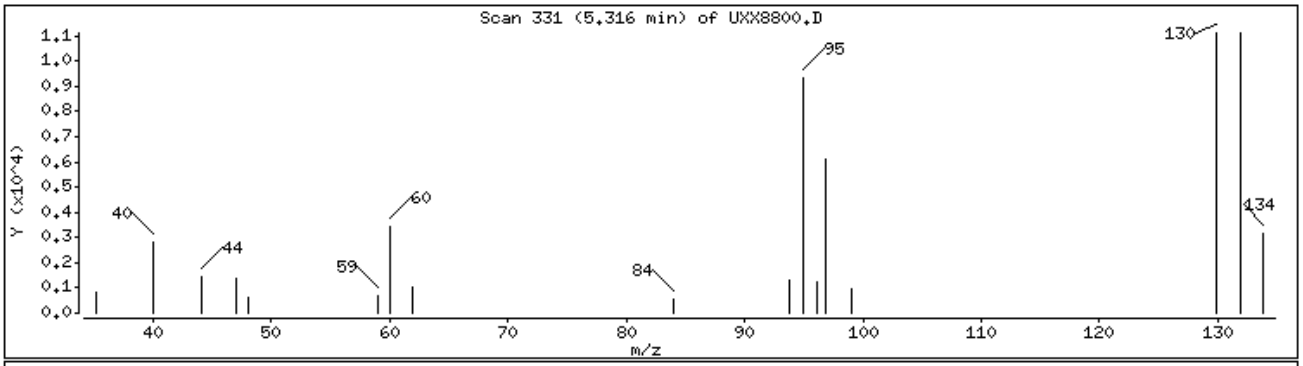
Client ID: GW-052505-JK-019 Instrument: a3ux10.i

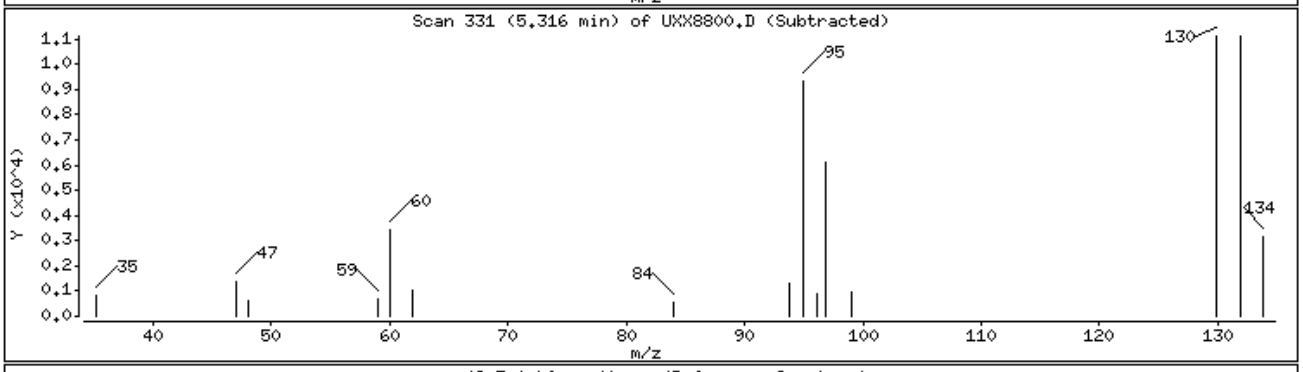
Sample Info: HCDXL1AA,5ML/5ML

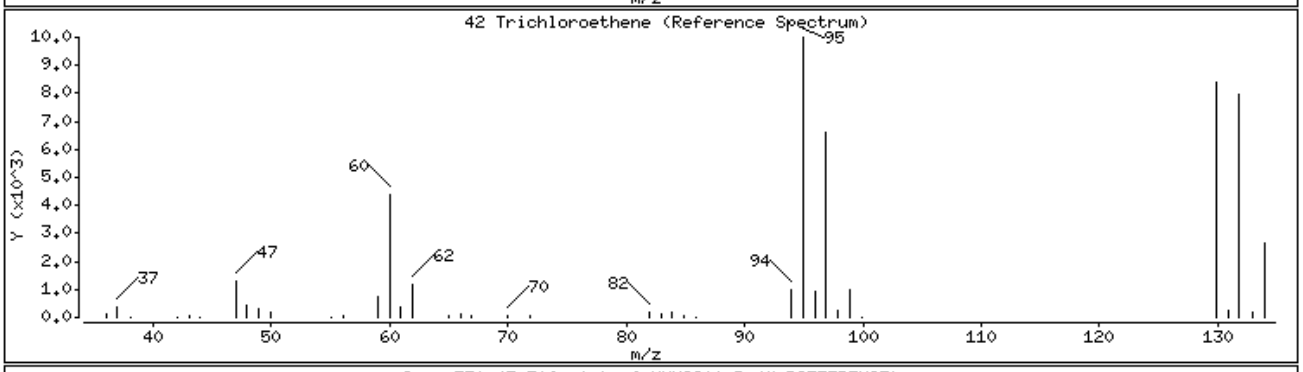
Purge Volume: 5.0 Operator: 1904

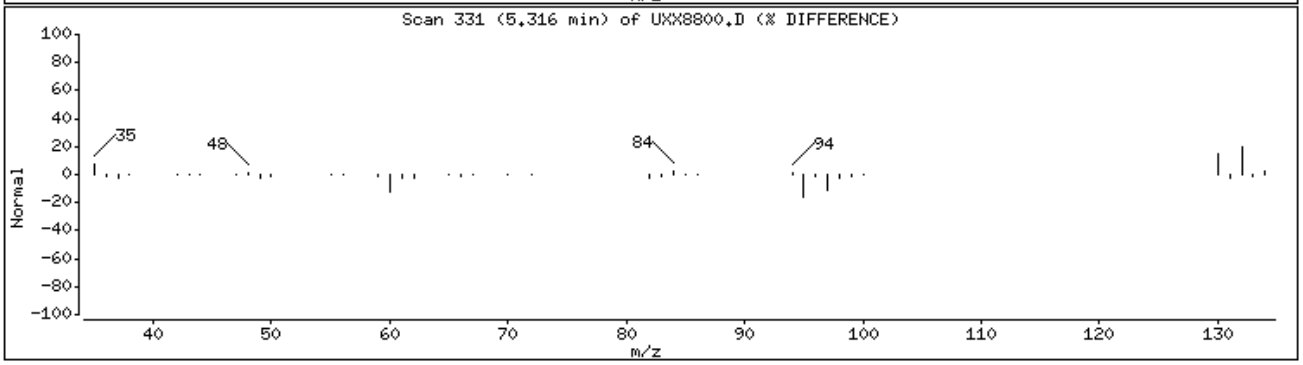
Column phase: DB624 Column diameter: 0.18

42 Trichloroethene Concentration: 0.9430 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8800.D

Date : 04-JUN-2005 06:26

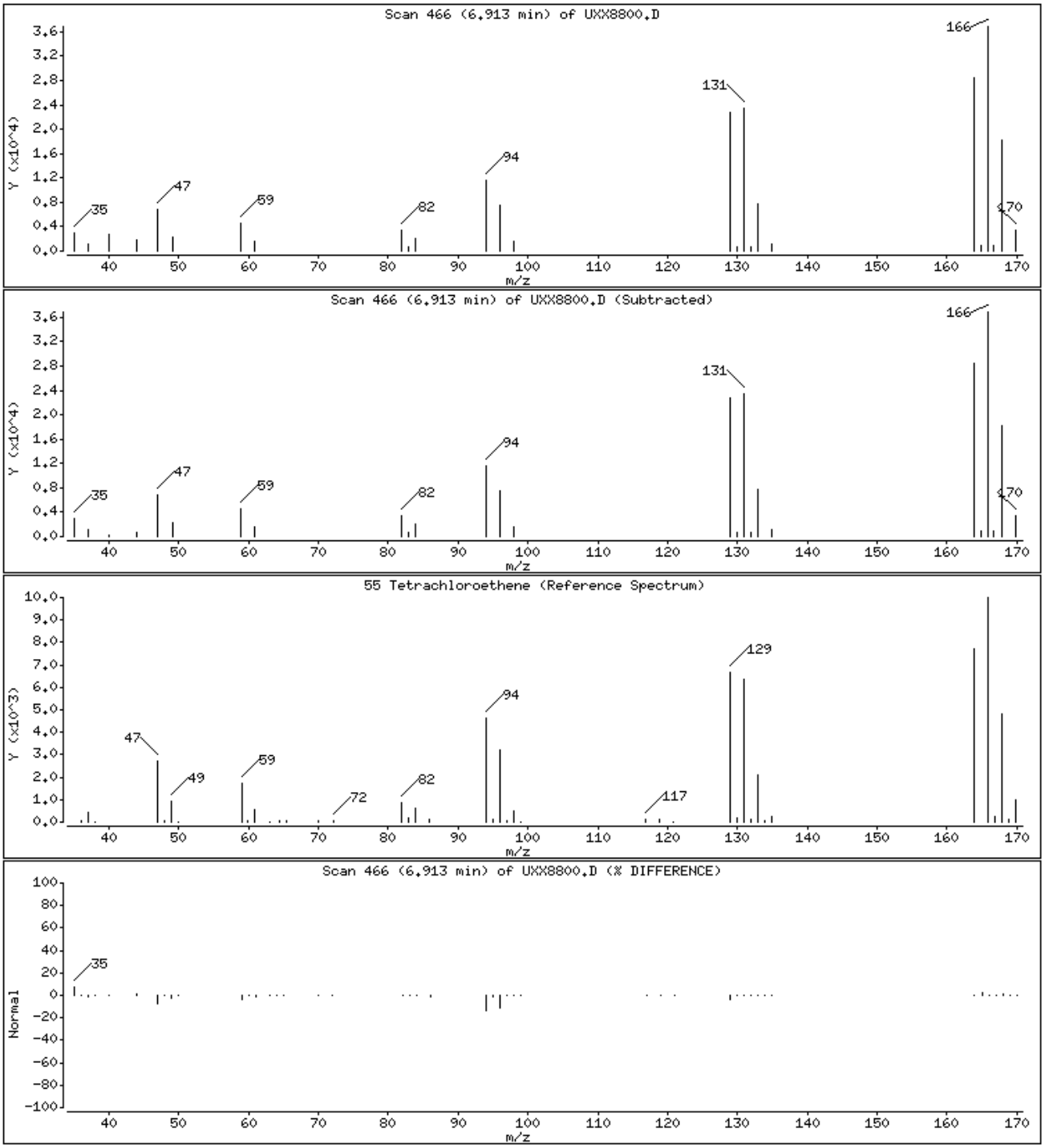
Client ID: GW-052505-JK-019 Instrument: a3ux10.i

Sample Info: HCDXL1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 3.002 ug/L



Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052505-JK-020

GC/MS Volatiles

Lot-Sample #...: A5E260235-020 **Work Order #...:** HCDXM1AA **Matrix.....:** WG
Date Sampled...: 05/25/05 15:05 **Date Received..:** 05/26/05
Prep Date.....: 06/04/05 **Analysis Date..:** 06/04/05
Prep Batch #...: 5157292
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052505-JK-020

GC/MS Volatiles

Lot-Sample #...: A5E260235-020 **Work Order #...:** HCDXM1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**0.48 J**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	**0.21 J**	**1.0**	**ug/L**
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	117	(73 - 122)
1,2-Dichloroethane-d4	116	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	77	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8801.D
Report Date: 06-Jun-2005 14:29

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8801.D
Lab Smp Id: HCDXM1AA Client Smp ID: GW-052505-JK-020
Inj Date : 04-JUN-2005 06:52
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HCDXM1AA,5ML/5ML
Misc Info : P50603B,8260LLUX10,,1904
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\8260LLUX10.m
Meth Date : 06-Jun-2005 08:23 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.sub
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.007	5.007	(1.000)	966757	50.0000	
* 2 Chlorobenzene-d5	117	7.658	7.658	(1.000)	729156	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.894	9.894	(1.000)	264980	50.0000	
$ 4 Dibromofluoromethane	113	4.439	4.439	(0.887)	231130	58.5642	11.713
$ 5 1,2-Dichloroethane-d4	65	4.723	4.723	(0.943)	278560	57.8012	11.560
$ 6 Toluene-d8	98	6.356	6.356	(0.830)	699410	49.3237	9.865
$ 7 Bromofluorobenzene	95	8.770	8.758	(1.145)	199221	38.6275	7.725
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.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					
24 Methyl tert-butyl ether	73	Compound Not Detected.					
25 trans-1,2-Dichloroethene	96	Compound Not Detected.					

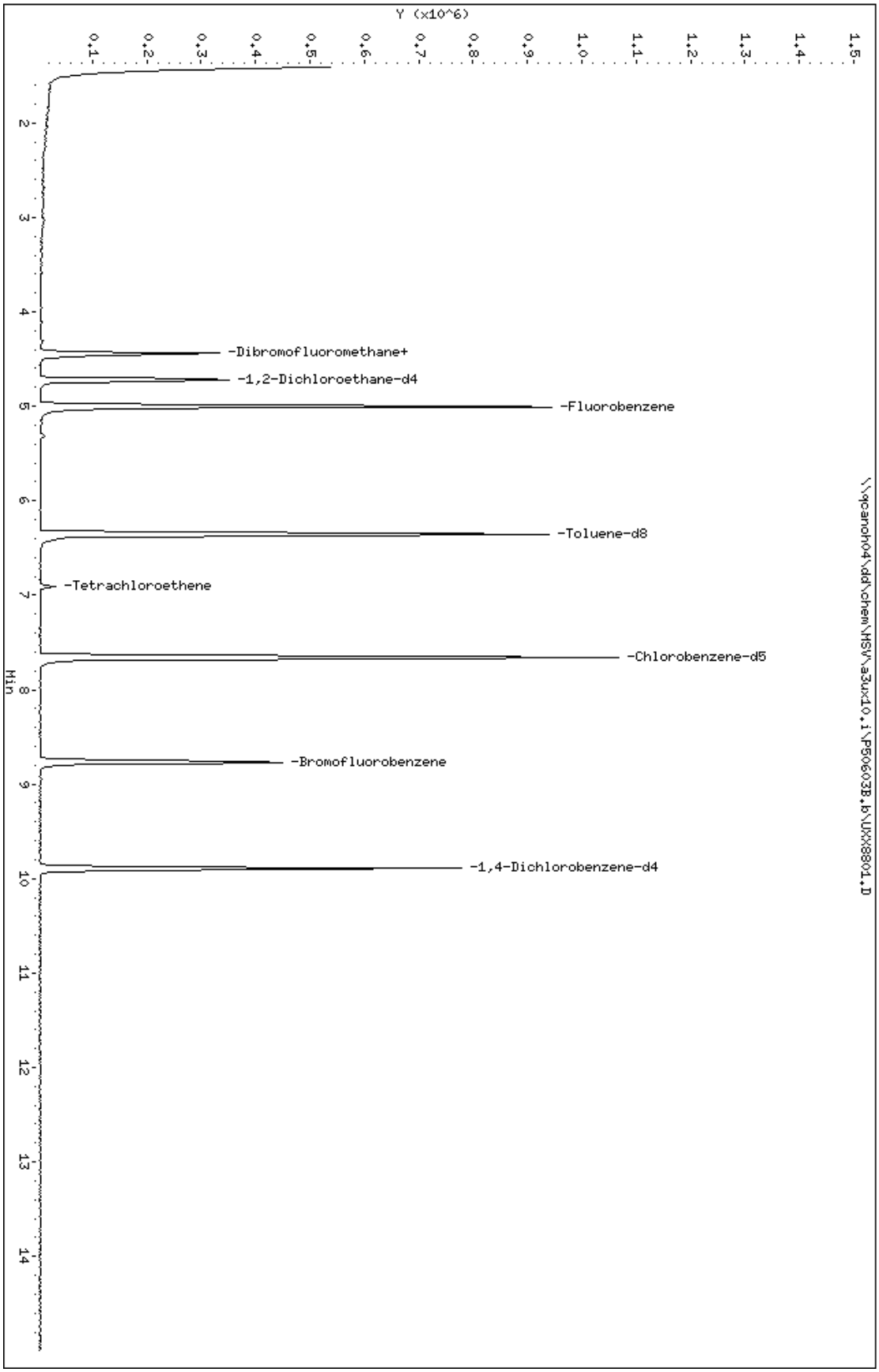
28	1,1-Dichloroethane	63	Compound Not Detected.
30	2-Butanone	43	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8801.D
Report Date: 06-Jun-2005 14:29

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
M 31	1,2-Dichloroethene (total)	96	Compound Not Detected.					
32	cis-1,2-dichloroethene	96	Compound Not Detected.					
35	Chloroform	83	Compound Not Detected.					
37	1,1,1-Trichloroethane	97	4.475	4.475	(0.894)	5933	1.05871	0.2117
39	Carbon Tetrachloride	117	Compound Not Detected.					
40	1,2-Dichloroethane	62	Compound Not Detected.					
41	Benzene	78	Compound Not Detected.					
42	Trichloroethene	130	Compound Not Detected.					
43	1,2-Dichloropropane	63	Compound Not Detected.					
46	Bromodichloromethane	83	Compound Not Detected.					
48	cis-1,3-Dichloropropene	75	Compound Not Detected.					
49	4-Methyl-2-pentanone	43	Compound Not Detected.					
50	Toluene	91	Compound Not Detected.					
51	trans-1,3-Dichloropropene	75	Compound Not Detected.					
53	1,1,2-Trichloroethane	97	Compound Not Detected.					
55	Tetrachloroethene	164	6.912	6.912	(0.903)	8546	2.40091	0.4802
56	2-Hexanone	43	Compound Not Detected.					
57	Dibromochloromethane	129	Compound Not Detected.					
58	1,2-Dibromoethane	107	Compound Not Detected.					
59	Chlorobenzene	112	Compound Not Detected.					
61	Ethylbenzene	106	Compound Not Detected.					
62	m + p-Xylene	106	Compound Not Detected.					
M 63	Xylenes (total)	106	Compound Not Detected.					
64	Xylene-o	106	Compound Not Detected.					
65	Styrene	104	Compound Not Detected.					
66	Bromoform	173	Compound Not Detected.					
67	Isopropylbenzene	105	Compound Not Detected.					
68	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8801.D
Date : 04-JUN-2005 06:52
Client ID: GW-052505-JK-020
Sample Info: HCDXH1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



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Date : 04-JUN-2005 06:52

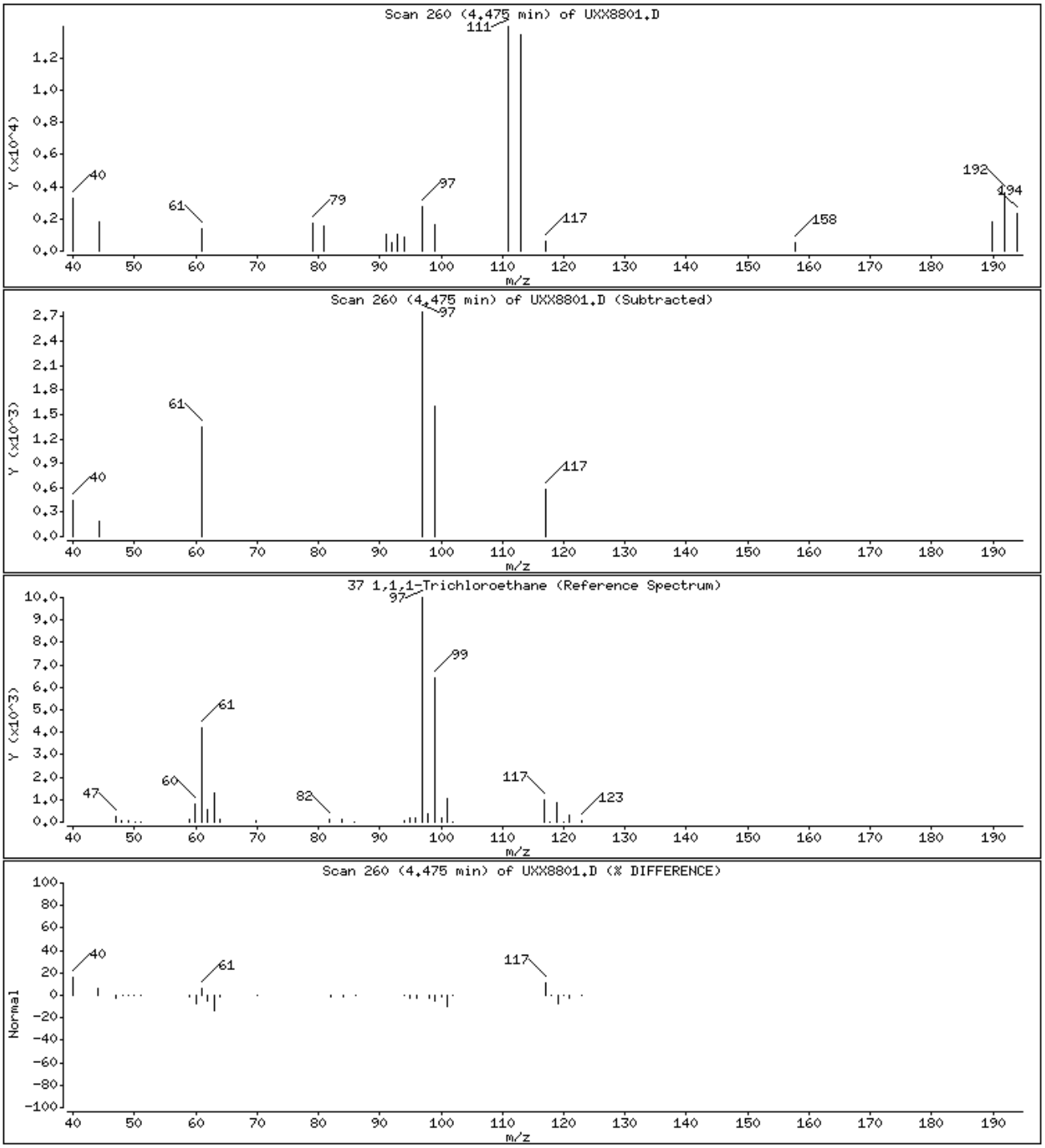
Client ID: GW-052505-JK-020 Instrument: a3ux10.i

Sample Info: HCDXM1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

37 1,1,1-Trichloroethane Concentration: 0.2117 ug/L



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Date : 04-JUN-2005 06:52

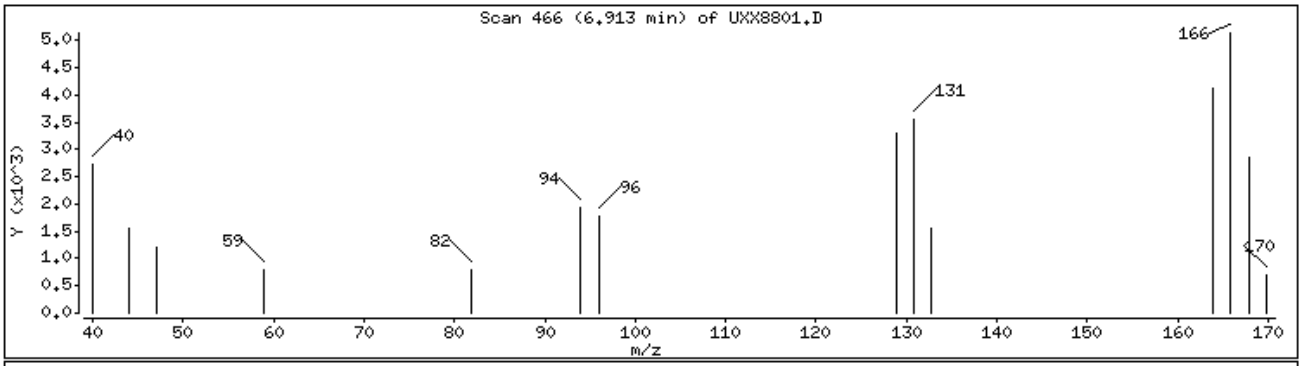
Client ID: GW-052505-JK-020 Instrument: a3ux10.i

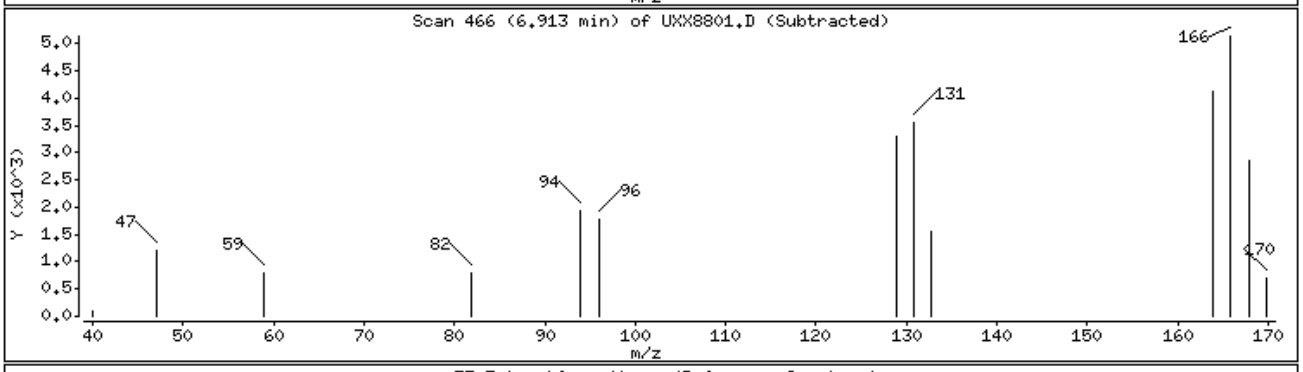
Sample Info: HCDXM1AA,5ML/5ML

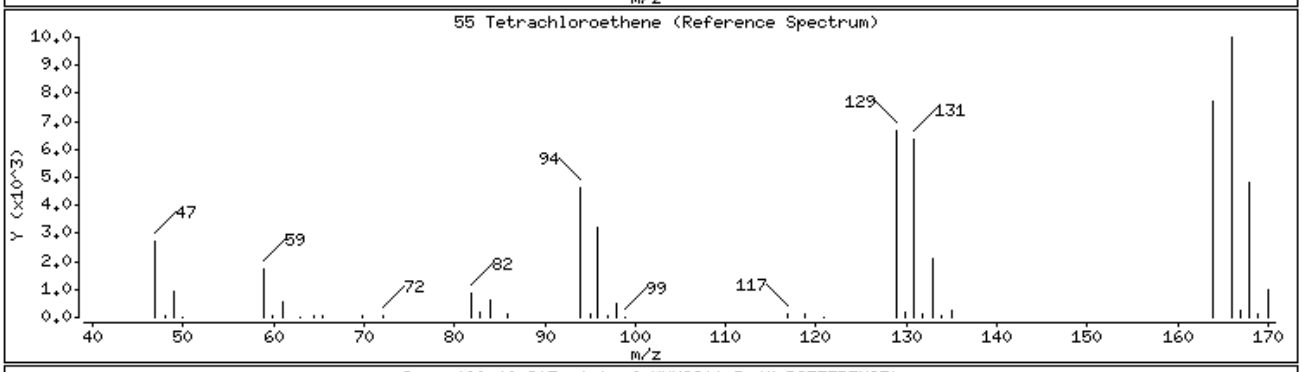
Purge Volume: 5.0 Operator: 1904

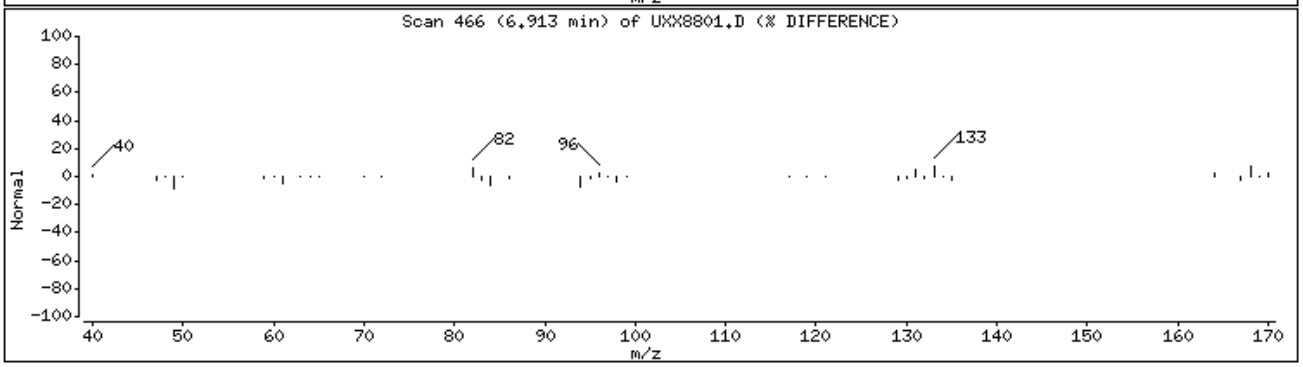
Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 0.4802 ug/L









Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052505-JK-021

GC/MS Volatiles

Lot-Sample #...: A5E260235-021 **Work Order #...:** HCDXN1AA **Matrix.....:** WG
Date Sampled...: 05/25/05 17:00 **Date Received..:** 05/26/05
Prep Date.....: 06/04/05 **Analysis Date..:** 06/04/05
Prep Batch #...: 5157292
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052505-JK-021

GC/MS Volatiles

Lot-Sample #...: A5E260235-021 **Work Order #...:** HCDXN1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**0.40 J**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	**0.57 J**	**1.0**	**ug/L**
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	115	(73 - 122)
1,2-Dichloroethane-d4	112	(61 - 128)
Toluene-d8	101	(76 - 110)
4-Bromofluorobenzene	78	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8802.D
Report Date: 06-Jun-2005 14:29

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8802.D
Lab Smp Id: HCDXN1AA Client Smp ID: GW-052505-JK-021
Inj Date : 04-JUN-2005 07:17
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HCDXN1AA,5ML/5ML
Misc Info : P50603B,8260LLUX10,,1904
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\8260LLUX10.m
Meth Date : 06-Jun-2005 08:23 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.sub
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.008	5.007	(1.000)	1004168	50.0000	
* 2 Chlorobenzene-d5	117	7.659	7.658	(1.000)	731046	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.895	9.894	(1.000)	288152	50.0000	
$ 4 Dibromofluoromethane	113	4.440	4.439	(0.887)	236178	57.6137	11.523
$ 5 1,2-Dichloroethane-d4	65	4.724	4.723	(0.943)	280209	55.9772	11.195
$ 6 Toluene-d8	98	6.357	6.356	(0.830)	715257	50.3108	10.062
$ 7 Bromofluorobenzene	95	8.771	8.758	(1.145)	202171	39.0981	7.820
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.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					
24 Methyl tert-butyl ether	73	Compound Not Detected.					
25 trans-1,2-Dichloroethene	96	Compound Not Detected.					

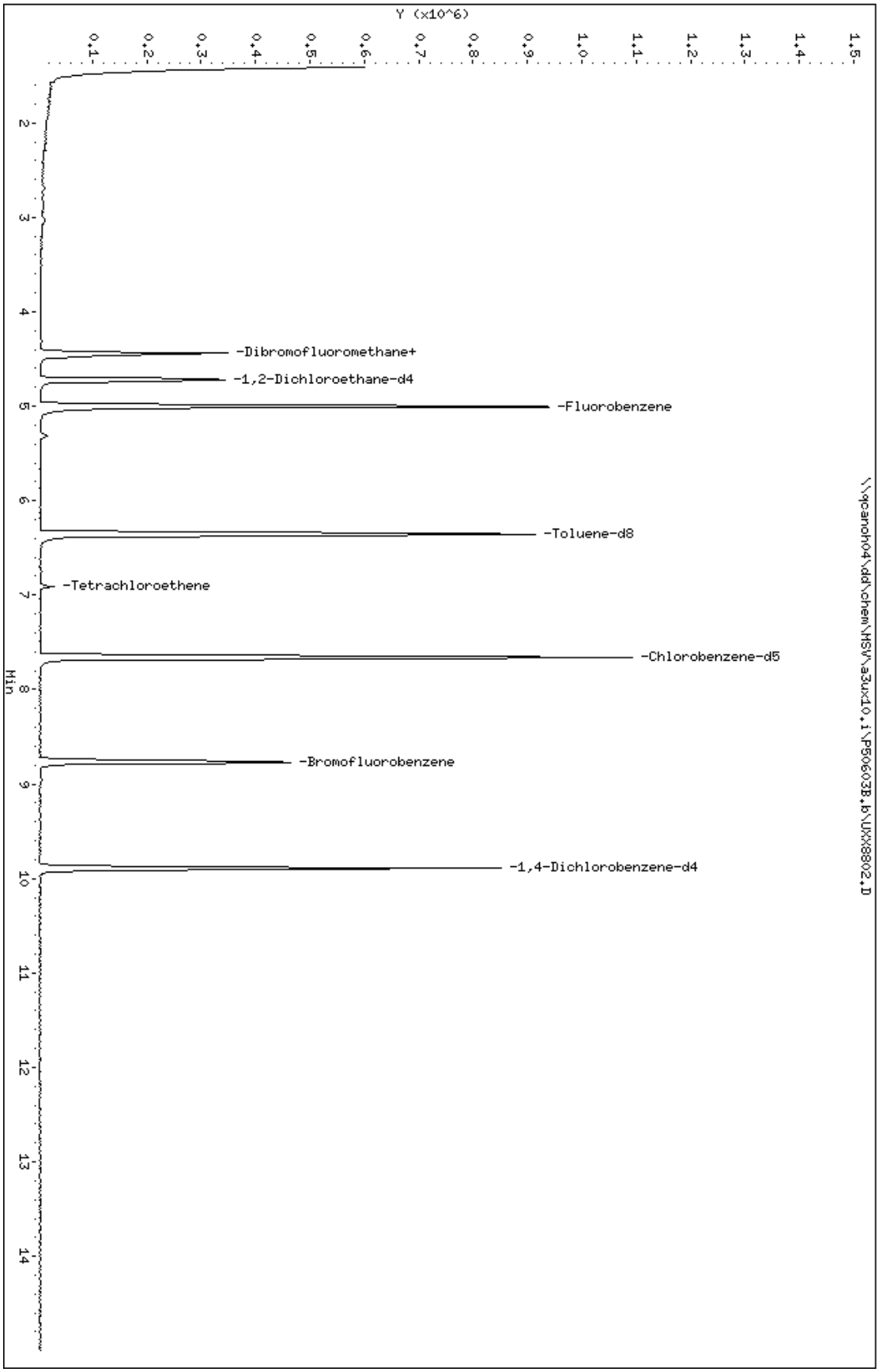
28	1,1-Dichloroethane	63	Compound Not Detected.
30	2-Butanone	43	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8802.D
Report Date: 06-Jun-2005 14:29

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
M 31	1,2-Dichloroethene (total)	96	Compound Not Detected.					
32	cis-1,2-dichloroethene	96	Compound Not Detected.					
35	Chloroform	83	Compound Not Detected.					
37	1,1,1-Trichloroethane	97	4.476	4.475	(0.894)	16572	2.84700	0.5694
39	Carbon Tetrachloride	117	Compound Not Detected.					
40	1,2-Dichloroethane	62	Compound Not Detected.					
41	Benzene	78	Compound Not Detected.					
42	Trichloroethene	130	Compound Not Detected.					
43	1,2-Dichloropropane	63	Compound Not Detected.					
46	Bromodichloromethane	83	Compound Not Detected.					
48	cis-1,3-Dichloropropene	75	Compound Not Detected.					
49	4-Methyl-2-pentanone	43	Compound Not Detected.					
50	Toluene	91	Compound Not Detected.					
51	trans-1,3-Dichloropropene	75	Compound Not Detected.					
53	1,1,2-Trichloroethane	97	Compound Not Detected.					
55	Tetrachloroethene	164	6.913	6.912	(0.903)	7089	1.98643	0.3973
56	2-Hexanone	43	Compound Not Detected.					
57	Dibromochloromethane	129	Compound Not Detected.					
58	1,2-Dibromoethane	107	Compound Not Detected.					
59	Chlorobenzene	112	Compound Not Detected.					
61	Ethylbenzene	106	Compound Not Detected.					
62	m + p-Xylene	106	Compound Not Detected.					
M 63	Xylenes (total)	106	Compound Not Detected.					
64	Xylene-o	106	Compound Not Detected.					
65	Styrene	104	Compound Not Detected.					
66	Bromoform	173	Compound Not Detected.					
67	Isopropylbenzene	105	Compound Not Detected.					
68	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8802.D
Date : 04-JUN-2005 07:17
Client ID: GW-052505-JK-021
Sample Info: HCDXN1AA,5ML/5ML
Purge Volume: 5.0
Column Phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8802.D

Date : 04-JUN-2005 07:17

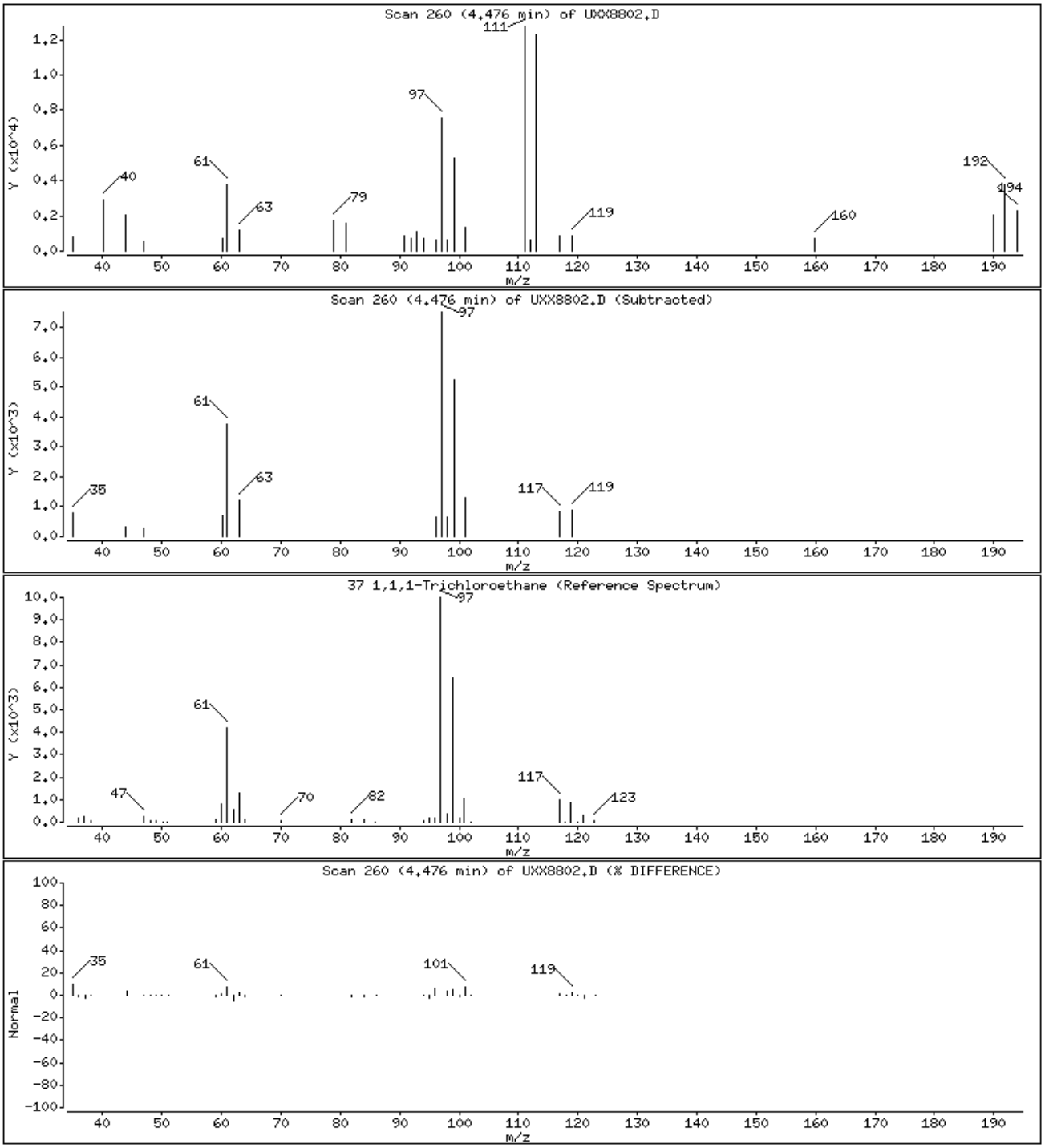
Client ID: GW-052505-JK-021 Instrument: a3ux10.i

Sample Info: HCDXN1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

37 1,1,1-Trichloroethane Concentration: 0.5694 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8802.D

Date : 04-JUN-2005 07:17

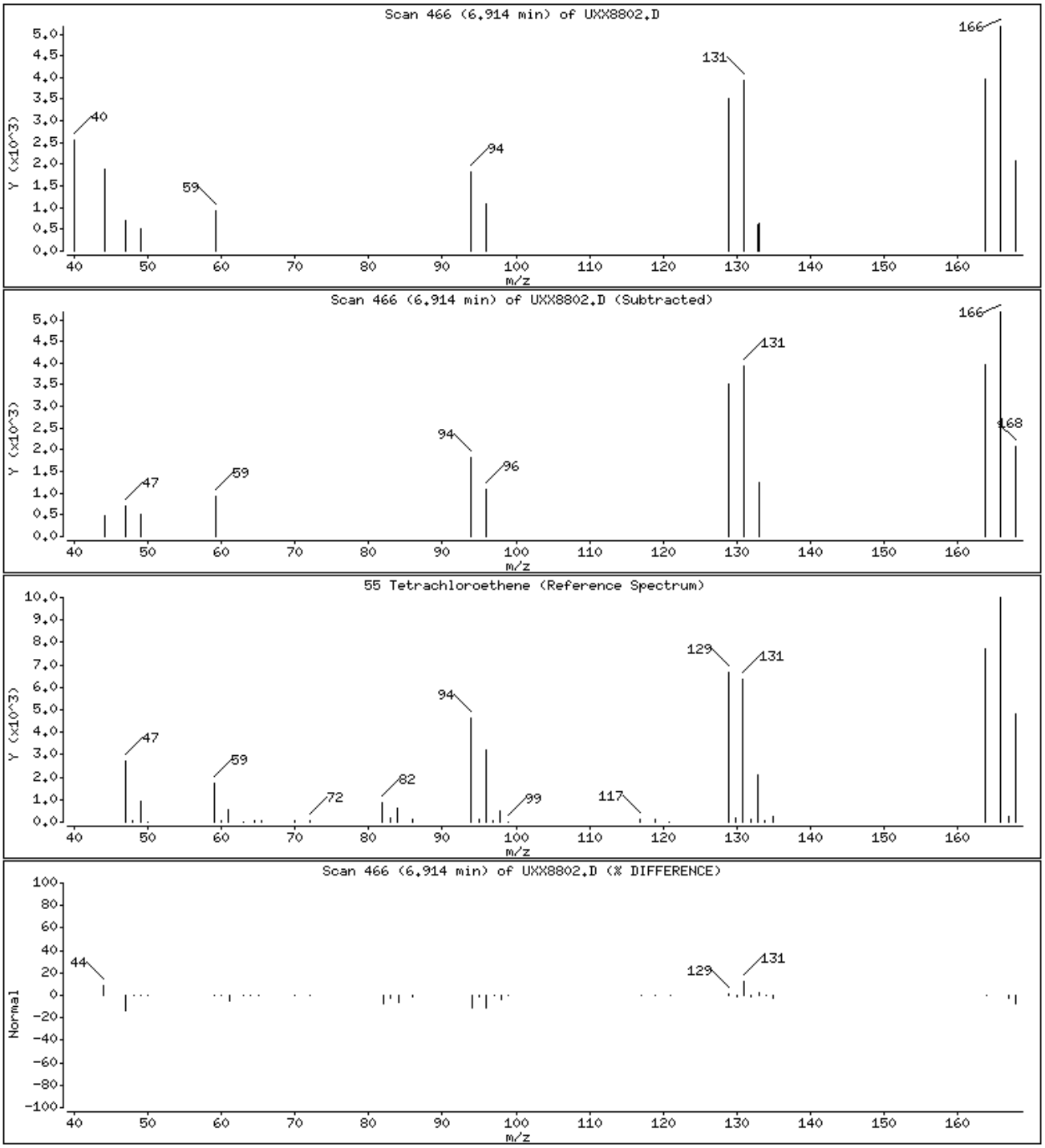
Client ID: GW-052505-JK-021 Instrument: a3ux10.i

Sample Info: HCDXN1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 0.3973 ug/L



Conestoga-Rovers & Associates, Inc.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A5E260235-022 **Work Order #...:** HCDXQ1AA **Matrix.....:** WQ
Date Sampled...: 05/25/05 **Date Received..:** 05/26/05
Prep Date.....: 06/04/05 **Analysis Date..:** 06/04/05
Prep Batch #...: 5157292
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A5E260235-022 **Work Order #...:** HCDXQ1AA **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**0.17 J**	**1.0**	**ug/L**
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	117	(73 - 122)
1,2-Dichloroethane-d4	114	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	77	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8803.D
Report Date: 06-Jun-2005 14:30

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8803.D
Lab Smp Id: HCDXQ1AA Client Smp ID: TRIP BLANK
Inj Date : 04-JUN-2005 07:42
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HCDXQ1AA,5ML/5ML
Misc Info : P50603B,8260LLUX10,,1904
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\8260LLUX10.m
Meth Date : 06-Jun-2005 08:23 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.sub
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.006	5.007	(1.000)	972291	50.0000	
* 2 Chlorobenzene-d5	117	7.657	7.658	(1.000)	717829	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.893	9.894	(1.000)	257225	50.0000	
$ 4 Dibromofluoromethane	113	4.438	4.439	(0.887)	232893	58.6750	11.735
$ 5 1,2-Dichloroethane-d4	65	4.722	4.723	(0.943)	275409	56.8221	11.364
$ 6 Toluene-d8	98	6.355	6.356	(0.830)	682982	48.9252	9.785
$ 7 Bromofluorobenzene	95	8.769	8.758	(1.145)	194466	38.3005	7.660
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.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					
24 Methyl tert-butyl ether	73	Compound Not Detected.					
25 trans-1,2-Dichloroethene	96	Compound Not Detected.					

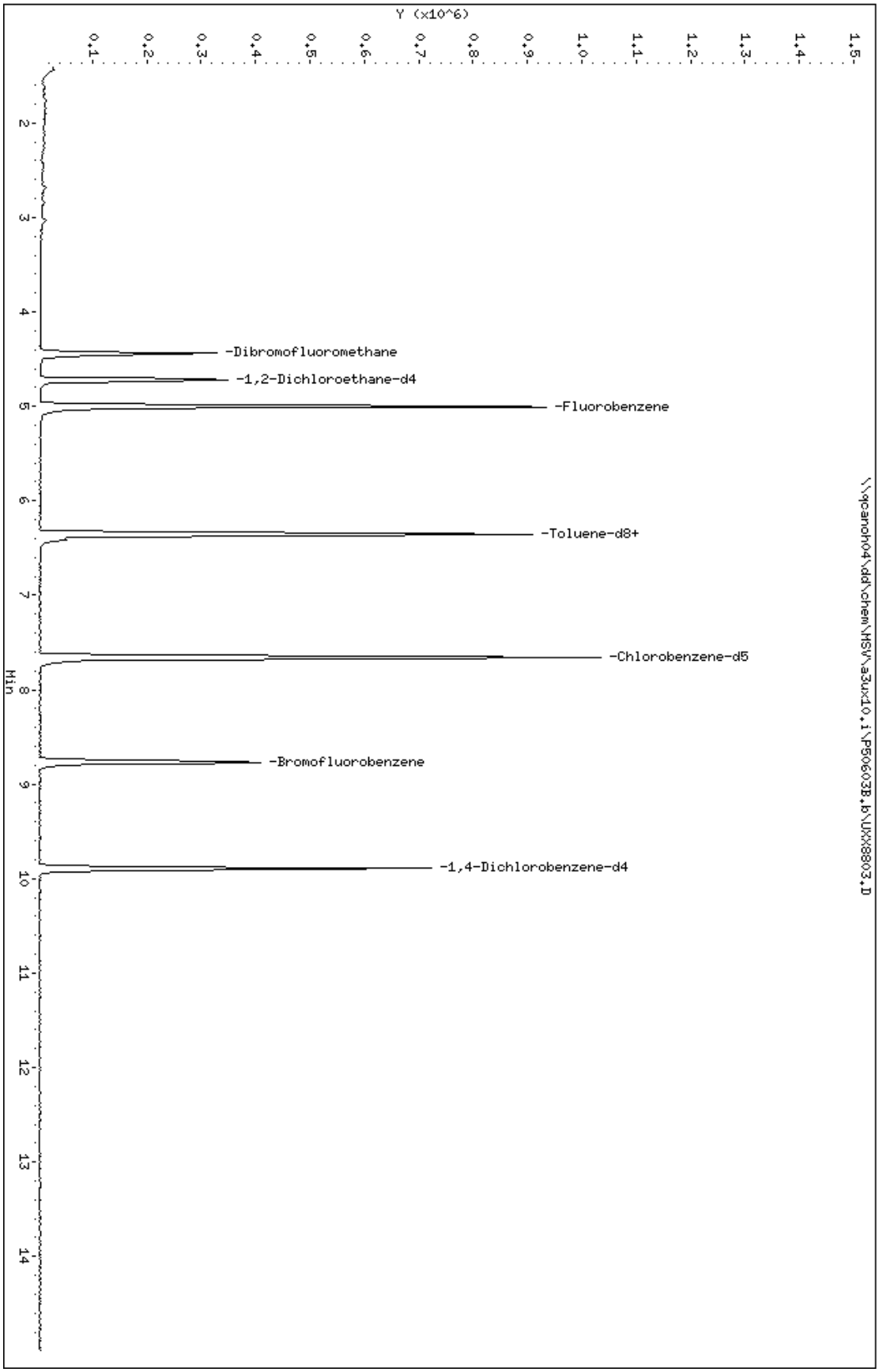
28	1,1-Dichloroethane	63	Compound Not Detected.
30	2-Butanone	43	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8803.D
Report Date: 06-Jun-2005 14:30

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
M 31	1,2-Dichloroethene (total)	96	Compound Not Detected.					
32	cis-1,2-dichloroethene	96	Compound Not Detected.					
35	Chloroform	83	Compound Not Detected.					
37	1,1,1-Trichloroethane	97	Compound Not Detected.					
39	Carbon Tetrachloride	117	Compound Not Detected.					
40	1,2-Dichloroethane	62	Compound Not Detected.					
41	Benzene	78	Compound Not Detected.					
42	Trichloroethene	130	Compound Not Detected.					
43	1,2-Dichloropropane	63	Compound Not Detected.					
46	Bromodichloromethane	83	Compound Not Detected.					
48	cis-1,3-Dichloropropene	75	Compound Not Detected.					
49	4-Methyl-2-pentanone	43	Compound Not Detected.					
50	Toluene	91	6.415	6.415	(0.838)	15053	0.85975	0.1719
51	trans-1,3-Dichloropropene	75	Compound Not Detected.					
53	1,1,2-Trichloroethane	97	Compound Not Detected.					
55	Tetrachloroethene	164	Compound Not Detected.					
56	2-Hexanone	43	Compound Not Detected.					
57	Dibromochloromethane	129	Compound Not Detected.					
58	1,2-Dibromoethane	107	Compound Not Detected.					
59	Chlorobenzene	112	Compound Not Detected.					
61	Ethylbenzene	106	Compound Not Detected.					
62	m + p-Xylene	106	Compound Not Detected.					
M 63	Xylenes (total)	106	Compound Not Detected.					
64	Xylene-o	106	Compound Not Detected.					
65	Styrene	104	Compound Not Detected.					
66	Bromoform	173	Compound Not Detected.					
67	Isopropylbenzene	105	Compound Not Detected.					
68	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8803.D
Date : 04-JUN-2005 07:42
Client ID: TRIP BLANK
Sample Info: HCDXQ1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



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Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8803.D

Date : 04-JUN-2005 07:42

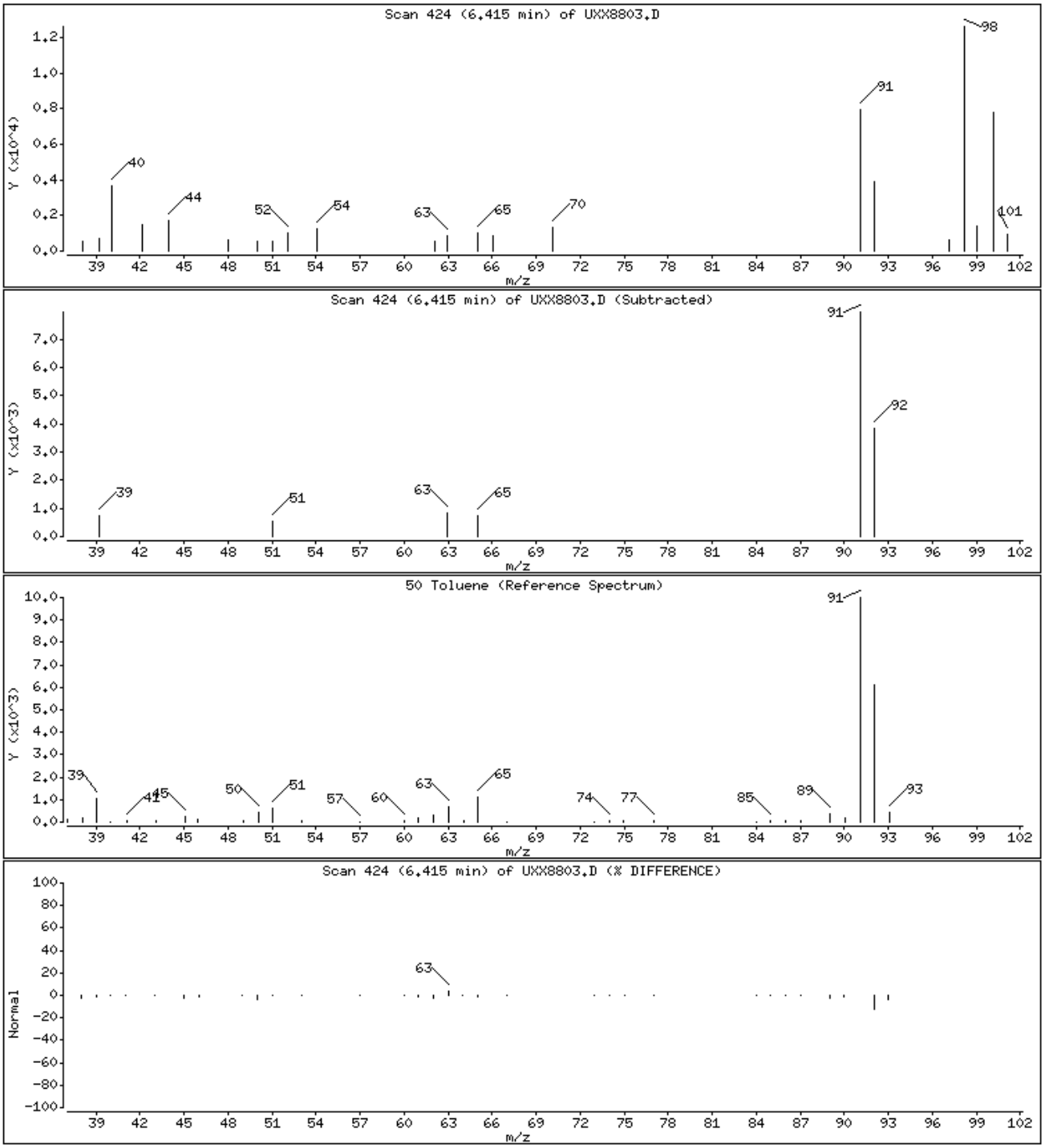
Client ID: TRIP BLANK | Instrument: a3ux10.i

Sample Info: HCDXQ1AA,5ML/5ML

Purge Volume: 5.0 | Operator: 1904

Column phase: DB624 | Column diameter: 0.18

50 Toluene | Concentration: 0.1719 ug/L



STANDARD DATA

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
Start Cal Date: 25-MAY-2005 17:29
End Cal Date : 27-MAY-2005 11:37
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 2.50000		
25-MAY-2005 23:25	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93517.D
27-MAY-2005 11:37	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93576.D
Cal Level: 2 , Cal Amount: 10.00000		
25-MAY-2005 23:03	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93516.D
27-MAY-2005 11:15	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93575.D
Cal Level: 3 , Cal Amount: 25.00000		
25-MAY-2005 22:41	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93515.D
27-MAY-2005 10:53	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93574.D
Cal Level: 4 , Cal Amount: 50.00000		
25-MAY-2005 22:18	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93514.D
27-MAY-2005 10:31	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93573.D
Cal Level: 5 , Cal Amount: 100.00000		
25-MAY-2005 21:56	3-IX	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93513.D
27-MAY-2005 10:09	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93572.D
Cal Level: 6 , Cal Amount: 250.00000		
25-MAY-2005 21:33	3-IX	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93512.D
27-MAY-2005 09:47	2-8260	

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+-----------------+-----------------+-----------------------------------------+
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Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

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+-----------------+-----------------+-----------------------------------------+
|27-MAY-2005 10:31 |2-8260           |                                         |
|\\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93573.D                           |
|27-MAY-2005 09:24 |3-IX             |                                         |
|\\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93570.D                           |
+-----------------+-----------------+-----------------------------------------+
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Report Date : 27-May-2005 13:21

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 25-MAY-2005 17:29
End Cal Date : 27-MAY-2005 11:37
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
Last Edit : 27-May-2005 13:10 a3ux9.i
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93517.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93516.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93515.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93514.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93513.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93512.D

	Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	RRF	% RSD	
	8 Dichlorodifluoromethane	0.13584	0.16034	0.17034	0.18561	0.19332	0.18768	0.17219	12.540	
	9 Chloromethane	0.36934	0.39040	0.36124	0.37857	0.38643	0.37766	0.37727	2.850	
	10 Vinyl Chloride	0.26177	0.27583	0.29297	0.30454	0.31638	0.30543	0.29282	7.006	
	11 Bromomethane	0.10083	0.11201	0.11045	0.11093	0.11010	0.09579	0.10669	6.291	
	12 Chloroethane	0.13172	0.14229	0.14877	0.14770	0.15381	0.14152	0.14430	5.296	
	13 Trichlorofluoromethane	0.20561	0.22660	0.23275	0.26163	0.27000	0.26364	0.24337	10.514	
	14 Dichlorofluoromethane	0.42874	0.32355	0.36349	0.35456	0.36911	0.37433	0.36897	9.311	
	15 Acrolein	0.03048	0.02790	0.02965	0.02943	0.02920	0.02858	0.02921	3.044	
	16 Acetone	0.16072	0.16576	0.10980	0.08978	0.08173	0.08429	0.11535	33.306	
	17 1,1-Dichloroethene	0.34100	0.35787	0.40244	0.40855	0.41370	0.40924	0.38880	8.015	
	18 Freon-113	0.16993	0.14702	0.17127	0.17095	0.18156	0.18205	0.17046	7.458	
	19 Iodomethane	0.29518	0.32406	0.33661	0.34251	0.34809	0.34191	0.33139	5.890	
	20 Carbon Disulfide	0.70812	0.71970	0.77971	0.79692	0.81092	0.81436	0.77162	6.024	
	21 Methylene Chloride	0.62207	0.47432	0.28921	0.27196	0.25741	0.24860	0.36060	42.502	
	22 Acetonitrile	0.03417	0.03114	0.02952	0.02917	0.02801	0.02761	0.02994	8.085	
	23 Acrylonitrile	0.08097	0.07629	0.07698	0.07860	0.07693	0.07741	0.07786	2.188	
	24 Methyl tert-butyl ether	0.29472	0.29715	0.30325	0.32531	0.31226	0.33480	0.31125	5.160	
	25 trans-1,2-Dichloroethene	0.37437	0.40885	0.41931	0.42514	0.43118	0.42239	0.41354	4.972	
	26 Hexane	0.48440	0.44334	0.48366	0.48147	0.50057	0.49474	0.48136	4.164	
	27 Vinyl acetate	0.51914	0.47914	0.46479	0.46201	0.47772	0.49428	0.48285	4.392	
	28 1,1-Dichloroethane	0.44406	0.48628	0.50652	0.50802	0.51102	0.50767	0.49393	5.267	
	29 tert-Butyl Alcohol	0.00917	0.00956	0.00887	0.00920	0.00866	0.00896	0.00907	3.436	<-
	30 2-Butanone	0.15016	0.12059	0.12054	0.11005	0.10839	0.11060	0.12006	13.078	
M	31 1,2-Dichloroethene (total)	0.39024	0.42382	0.43445	0.43445	0.44610	0.43591	0.42750	4.578	
	32 cis-1,2-dichloroethene	0.40611	0.43879	0.44959	0.44376	0.46103	0.44943	0.44145	4.268	
	33 2,2-Dichloropropane	0.23095	0.23040	0.26980	0.27838	0.28256	0.27888	0.26183	9.354	
	34 Bromochloromethane	0.09804	0.10086	0.11062	0.11402	0.11457	0.11396	0.10868	6.751	
	35 Chloroform	0.34983	0.36043	0.40450	0.39525	0.40674	0.40211	0.38648	6.420	

Report Date : 27-May-2005 13:21

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 25-MAY-2005 17:29
End Cal Date : 27-MAY-2005 11:37
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
Last Edit : 27-May-2005 13:10 a3ux9.i
Curve Type : Average

	Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	___ RRF	% RSD	
	36 Tetrahydrofuran	0.13123	0.10146	0.07300	0.06821	0.06379	0.06209	0.08330	33.061	
	37 1,1,1-Trichloroethane	0.28861	0.30111	0.32883	0.33070	0.34164	0.33740	0.32138	6.665	
	38 1,1-Dichloropropene	0.29799	0.30852	0.33177	0.33840	0.34686	0.34262	0.32769	6.059	
	39 Carbon Tetrachloride	0.23699	0.23431	0.27005	0.27458	0.28187	0.28360	0.26357	8.419	
	40 1,2-Dichloroethane	0.31079	0.31076	0.32148	0.32666	0.32639	0.32470	0.32013	2.335	
	41 Benzene	1.06173	1.09965	1.10503	1.12727	1.14188	1.13640	1.11200	2.683	
	42 Trichloroethene	0.25999	0.24514	0.28155	0.27982	0.28775	0.28124	0.27258	6.027	
	43 1,2-Dichloropropane	0.28930	0.30224	0.30311	0.30761	0.30843	0.30208	0.30213	2.271	
	44 1,4-Dioxane	0.00130	0.00149	0.00148	0.00164	0.00156	0.00151	0.00149	7.416	<-
	45 Dibromomethane	0.08598	0.09776	0.10738	0.11031	0.11126	0.10975	0.10374	9.640	
	46 Bromodichloromethane	0.24002	0.26042	0.28517	0.28664	0.29535	0.29809	0.27762	8.185	
	47 2-Chloroethyl vinyl ether	+++++	+++++	0.00804	0.00760	0.00994	0.01816	0.01094	44.996	<-
	48 cis-1,3-Dichloropropene	0.32277	0.34273	0.38259	0.39538	0.40446	0.41325	0.37686	9.606	
	49 4-Methyl-2-pentanone	0.21016	0.22402	0.21766	0.22109	0.21990	0.22624	0.21984	2.560	
	50 Toluene	1.60469	1.64465	1.68322	1.66559	1.72228	1.73590	1.67605	2.918	
	51 trans-1,3-Dichloropropene	0.30816	0.36468	0.39380	0.40089	0.41818	0.43728	0.38716	11.810	
	52 Ethyl Methacrylate	0.27193	0.29602	0.33338	0.34536	0.35189	0.36646	0.32751	11.047	
	53 1,1,2-Trichloroethane	0.27022	0.23858	0.25505	0.25181	0.25351	0.25183	0.25350	3.984	
	54 1,3-Dichloropropane	0.45046	0.44773	0.45547	0.46836	0.46239	0.46026	0.45745	1.689	
	55 Tetrachloroethene	0.29198	0.30249	0.30747	0.29888	0.30725	0.30288	0.30182	1.924	
	56 2-Hexanone	0.20426	0.22233	0.24457	0.21624	0.22007	0.23522	0.22378	6.373	
	57 Dibromochloromethane	0.20226	0.20261	0.23709	0.24882	0.25517	0.26887	0.23581	11.792	
	58 1,2-Dibromoethane	0.20799	0.21135	0.23120	0.23332	0.23371	0.23929	0.22614	5.784	
	59 Chlorobenzene	1.05828	1.04404	1.08987	1.09276	1.14018	1.13936	1.09408	3.652	
	60 1,1,1,2-Tetrachloroethane	0.26793	0.29825	0.32052	0.32995	0.33236	0.34193	0.31516	8.720	
	61 Ethylbenzene	1.74591	1.76828	1.89064	1.93082	1.99058	2.05075	1.89616	6.371	
	62 m + p-Xylene	1.32388	1.36837	1.49023	1.51021	1.58196	1.59199	1.47777	7.460	
M	63 Xylenes (total)	1.34234	1.37558	1.49838	1.51686	1.58284	1.59279	1.48480	7.045	
	64 Xylene-o	1.37924	1.39001	1.51468	1.53017	1.58460	1.59439	1.49885	6.249	
	65 Styrene	0.93686	1.01142	1.18653	1.24014	1.30144	1.31201	1.16473	13.410	
	66 Bromoform	0.09560	0.10596	0.12182	0.13202	0.14164	0.15081	0.12464	16.938	<-
	67 Isopropylbenzene	1.51095	1.57681	1.73926	1.76793	1.87600	1.89304	1.72733	9.000	
	68 1,1,2,2-Tetrachloroethane	0.56271	0.59959	0.59662	0.59762	0.59240	0.57180	0.58679	2.655	
	69 1,4-Dichloro-2-butene	0.14269	0.11468	0.12583	0.13159	0.13705	0.15313	0.13416	9.981	
	70 1,2,3-Trichloropropane	0.16928	0.18498	0.19378	0.18874	0.18317	0.17421	0.18236	5.002	
	71 Bromobenzene	0.88946	0.98932	0.90402	0.89706	0.92232	0.88457	0.91446	4.262	

Report Date : 27-May-2005 13:21

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 25-MAY-2005 17:29
End Cal Date : 27-MAY-2005 11:37
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
Last Edit : 27-May-2005 13:10 a3ux9.i
Curve Type : Average

Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	___ RRF	% RSD	
72 n-Propylbenzene	4.29503	4.42979	4.80689	4.77875	5.16157	5.04976	4.75363	7.120	
73 2-Chlorotoluene	0.92712	0.96871	1.03306	0.99741	1.02522	0.95762	0.98486	4.173	
74 1,3,5-Trimethylbenzene	2.92432	3.08820	3.33384	3.32003	3.49601	3.38232	3.25746	6.467	
75 4-Chlorotoluene	0.86382	1.02232	1.02002	0.98641	1.03116	0.97199	0.98262	6.367	
76 tert-Butylbenzene	2.83148	2.94680	2.96444	3.00409	3.10951	2.99846	2.97580	3.043	
77 1,2,4-Trimethylbenzene	2.92379	3.27581	3.29177	3.33966	3.50500	3.44520	3.29687	6.169	
78 sec-Butylbenzene	3.82285	4.16358	4.20933	4.21190	4.49773	4.34914	4.20909	5.357	
79 4-Isopropyltoluene	3.21477	3.23544	3.35462	3.36564	3.60648	3.50752	3.38074	4.517	
80 1,3-Dichlorobenzene	1.68575	1.82207	1.79420	1.73713	1.83150	1.74008	1.76845	3.213	
81 1,4-Dichlorobenzene	1.76514	1.83556	1.81509	1.76800	1.81105	1.77575	1.79510	1.633	
82 n-Butylbenzene	2.50673	2.65805	2.88984	2.92607	3.12533	3.11157	2.86960	8.592	
83 1,2-Dichlorobenzene	1.54981	1.56397	1.57120	1.57580	1.62617	1.54461	1.57193	1.856	
84 1,2-Dibromo-3-chloropropane	0.05217	0.08150	0.07444	0.08333	0.08541	0.08726	0.07735	16.941	
85 1,2,4-Trichlorobenzene	0.69364	0.85124	0.84699	0.86366	0.92943	0.91711	0.85034	9.903	
86 Hexachlorobutadiene	0.48105	0.46477	0.43569	0.42454	0.44849	0.40837	0.44382	5.996	
87 Naphthalene	0.93619	1.13103	1.31203	1.42661	1.53782	1.61522	1.32649	19.332	
88 1,2,3-Trichlorobenzene	0.53855	0.60602	0.64690	0.68258	0.69581	0.70159	0.64524	9.815	
89 Ethyl Ether	0.22081	0.23545	0.25627	0.24713	0.24798	0.23702	0.24078	5.165	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
91 3-Chloropropene	0.11220	0.10200	0.15241	0.14384	0.14713	0.14785	0.13424	15.974	
92 Isopropyl Ether	0.22787	0.22239	0.25519	0.24853	0.25032	0.24350	0.24130	5.464	
93 2-Chloro-1,3-butadiene	0.49628	0.49126	0.58644	0.58230	0.59465	0.59549	0.55773	8.933	
94 Propionitrile	0.04608	0.03309	0.04286	0.03929	0.03892	0.03709	0.03956	11.405	
95 Ethyl Acetate	0.32526	0.29670	0.30617	0.28999	0.30081	0.27336	0.29871	5.774	
96 Methacrylonitrile	0.17962	0.20877	0.21412	0.20012	0.19637	0.18370	0.19712	6.884	
97 Isobutanol	0.01838	0.01120	0.01228	0.01080	0.01111	0.00922	0.01216	26.304	<-
98 Cyclohexane	0.63019	0.57733	0.64426	0.65270	0.68599	0.68603	0.64608	6.274	
99 n-Butanol	0.01355	0.01249	0.01012	0.00906	0.00919	0.00736	0.01030	22.485	<-
100 Methyl Methacrylate	0.30451	0.25750	0.30111	0.28608	0.29401	0.28061	0.28730	5.960	
101 2-Nitropropane	0.11069	0.09262	0.07591	0.07056	0.07199	0.06975	0.08192	20.091	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
103 Cyclohexanone	0.04933	0.04915	0.04680	0.04209	0.04380	0.03663	0.04463	10.897	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

Report Date : 27-May-2005 13:21

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 25-MAY-2005 17:29
End Cal Date : 27-MAY-2005 11:37
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
Last Edit : 27-May-2005 13:10 a3ux9.i
Curve Type : Average

	Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	___ RRF	% RSD	
	136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
M	137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	141 1,3,5-Trichlorobenzene	1.15216	1.14382	1.13080	1.13014	1.18454	1.14032	1.14696	1.760	
	143 Methyl Acetate	0.19921	0.19745	0.16604	0.16671	0.16148	0.16332	0.17570	10.039	
	144 Methylcyclohexane	0.49164	0.44915	0.51134	0.49892	0.52310	0.51142	0.49760	5.252	
	145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	146 2-Methylnaphthalene	0.03338	0.11195	0.12600	0.17969	0.32380	0.32371	0.18309	64.772	<-
	147 Allyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$	4 Dibromofluoromethane	0.20046	0.20904	0.20285	0.20424	0.20727	0.20623	0.20502	1.524	
$	5 1,2-Dichloroethane-d4	0.21407	0.21531	0.24686	0.24516	0.24100	0.24014	0.23376	6.411	
$	6 Toluene-d8	1.26825	1.32299	1.38928	1.38981	1.40362	1.42090	1.36581	4.262	
$	7 Bromofluorobenzene	0.50221	0.50278	0.52388	0.52859	0.54704	0.54813	0.52544	3.851	

eport Date : 27-May-2005 20:43

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 25-MAY-2005 17:29
nd Cal Date : 27-MAY-2005 11:37
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
ast Edit : 27-May-2005 20:42 mcdaniels

alibration File Names:
evel 1: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93517.D
evel 2: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93516.D
evel 3: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93515.D
evel 4: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93514.D
evel 5: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93513.D
evel 6: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93512.D

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
8 Dichlorodifluoromethane	0.13584	0.16034	0.17034	0.18561	0.19332	0.18768	AVRG		0.17219		12.53980
9 Chloromethane	0.36934	0.39040	0.36124	0.37857	0.38643	0.37766	AVRG		0.37727		2.85017
10 Vinyl Chloride	0.26177	0.27583	0.29297	0.30454	0.31638	0.30543	AVRG		0.29282		7.00608
11 Bromomethane	0.10083	0.11201	0.11045	0.11093	0.11010	0.09579	AVRG		0.10669		6.29122
12 Chloroethane	0.13172	0.14229	0.14877	0.14770	0.15381	0.14152	AVRG		0.14430		5.29557
13 Trichlorofluoromethane	0.20561	0.22660	0.23275	0.26163	0.27000	0.26364	AVRG		0.24337		10.51400
14 Dichlorofluoromethane	0.42874	0.32355	0.36349	0.35456	0.36911	0.37433	AVRG		0.36897		9.31122
15 Acrolein	0.03048	0.02790	0.02965	0.02943	0.02920	0.02858	AVRG		0.02921		3.04373
16 Acetone	20056	41361	137248	225778	412394	1082486	WLINR	-0.16410	0.08250		0.99891
17 1,1-Dichloroethene	0.34100	0.35787	0.40244	0.40855	0.41370	0.40924	AVRG		0.38880		8.01473
18 Freon-113	0.16993	0.14702	0.17127	0.17095	0.18156	0.18205	AVRG		0.17046		7.45757
19 Iodomethane	0.29518	0.32406	0.33661	0.34251	0.34809	0.34191	AVRG		0.33139		5.89015
20 Carbon Disulfide	0.70812	0.71970	0.77971	0.79692	0.81092	0.81436	AVRG		0.77162		6.02438
21 Methylene Chloride	38814	59178	180756	341970	649441	1596320	WLINR	-0.09502	0.24435		0.99995

:port Date : 27-May-2005 20:43

STL North Canton

INITIAL CALIBRATION DATA

:art Cal Date : 25-MAY-2005 17:29
ıd Cal Date : 27-MAY-2005 11:37
ıant Method : ISTD
ırget Version : 4.14
ıtegrator : HP RTE
:thod file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
ıst Edit : 27-May-2005 20:42 mcdaniels

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
22 Acetonitrile	0.03417	0.03114	0.02952	0.02917	0.02801	0.02761	AVRG		0.02994		8.08517	
23 Acrylonitrile	0.08097	0.07629	0.07698	0.07860	0.07693	0.07741	AVRG		0.07786		2.18806	
24 Methyl tert-butyl ether	0.29472	0.29715	0.30325	0.32531	0.31226	0.33480	AVRG		0.31125		5.15961	
25 trans-1,2-Dichloroethene	0.37437	0.40885	0.41931	0.42514	0.43118	0.42239	AVRG		0.41354		4.97159	
26 Hexane	0.48440	0.44334	0.48366	0.48147	0.50057	0.49474	AVRG		0.48136		4.16361	
27 Vinyl acetate	0.51914	0.47914	0.46479	0.46201	0.47772	0.49428	AVRG		0.48285		4.39188	
28 1,1-Dichloroethane	0.44406	0.48628	0.50652	0.50802	0.51102	0.50767	AVRG		0.49393		5.26690	
29 tert-Butyl Alcohol	0.00917	0.00956	0.00887	0.00920	0.00866	0.00896	AVRG		0.00907		3.43611	<-
30 2-Butanone	0.15016	0.12059	0.12054	0.11005	0.10839	0.11060	AVRG		0.12006		13.07792	
31 1,2-Dichloroethene (total)	0.39024	0.42382	0.43445	0.43445	0.44610	0.43591	AVRG		0.42750		4.57835	
32 cis-1,2-dichloroethene	0.40611	0.43879	0.44959	0.44376	0.46103	0.44943	AVRG		0.44145		4.26792	
33 2,2-Dichloropropane	0.23095	0.23040	0.26980	0.27838	0.28256	0.27888	AVRG		0.26183		9.35443	
34 Bromochloromethane	0.09804	0.10086	0.11062	0.11402	0.11457	0.11396	AVRG		0.10868		6.75138	
35 Chloroform	0.34983	0.36043	0.40450	0.39525	0.40674	0.40211	AVRG		0.38648		6.41960	
36 Tetrahydrofuran	8188	12659	45624	85765	160939	398658	WLINR	-0.08201	0.06119		0.99987	
37 1,1,1-Trichloroethane	0.28861	0.30111	0.32883	0.33070	0.34164	0.33740	AVRG		0.32138		6.66474	
38 1,1-Dichloropropene	0.29799	0.30852	0.33177	0.33840	0.34686	0.34262	AVRG		0.32769		6.05930	
39 Carbon Tetrachloride	0.23699	0.23431	0.27005	0.27458	0.28187	0.28360	AVRG		0.26357		8.41945	
40 1,2-Dichloroethane	0.31079	0.31076	0.32148	0.32666	0.32639	0.32470	AVRG		0.32013		2.33539	
41 Benzene	1.06173	1.09965	1.10503	1.12727	1.14188	1.13640	AVRG		1.11200		2.68262	
42 Trichloroethene	0.25999	0.24514	0.28155	0.27982	0.28775	0.28124	AVRG		0.27258		6.02663	
43 1,2-Dichloropropane	0.28930	0.30224	0.30311	0.30761	0.30843	0.30208	AVRG		0.30213		2.27074	

eport Date : 27-May-2005 20:43

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 25-MAY-2005 17:29
nd Cal Date : 27-MAY-2005 11:37
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
ast Edit : 27-May-2005 20:42 mcdaniels

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
44 1,4-Dioxane	0.00130	0.00149	0.00148	0.00164	0.00156	0.00151	AVRG		0.00149		7.41589	<-
45 Dibromomethane	0.08598	0.09776	0.10738	0.11031	0.11126	0.10975	AVRG		0.10374		9.63965	
46 Bromodichloromethane	0.24002	0.26042	0.28517	0.28664	0.29535	0.29809	AVRG		0.27762		8.18453	
47 2-Chloroethyl vinyl ether	+++++	+++++	0.00804	0.00760	0.00994	0.01816	AVRG		0.01094		44.99644	<-
48 cis-1,3-Dichloropropene	0.32277	0.34273	0.38259	0.39538	0.40446	0.41325	AVRG		0.37686		9.60597	
49 4-Methyl-2-pentanone	0.21016	0.22402	0.21766	0.22109	0.21990	0.22624	AVRG		0.21984		2.56044	
50 Toluene	1.60469	1.64465	1.68322	1.66559	1.72228	1.73590	AVRG		1.67605		2.91790	
51 trans-1,3-Dichloropropene	0.30816	0.36468	0.39380	0.40089	0.41818	0.43728	AVRG		0.38716		11.80976	
52 Ethyl Methacrylate	0.27193	0.29602	0.33338	0.34536	0.35189	0.36646	AVRG		0.32751		11.04696	
53 1,1,2-Trichloroethane	0.27022	0.23858	0.25505	0.25181	0.25351	0.25183	AVRG		0.25350		3.98433	
54 1,3-Dichloropropane	0.45046	0.44773	0.45547	0.46836	0.46239	0.46026	AVRG		0.45745		1.68924	
55 Tetrachloroethene	0.29198	0.30249	0.30747	0.29888	0.30725	0.30288	AVRG		0.30182		1.92393	
56 2-Hexanone	0.20426	0.22233	0.24457	0.21624	0.22007	0.23522	AVRG		0.22378		6.37259	
57 Dibromochloromethane	0.20226	0.20261	0.23709	0.24882	0.25517	0.26887	AVRG		0.23581		11.79229	
58 1,2-Dibromoethane	0.20799	0.21135	0.23120	0.23332	0.23371	0.23929	AVRG		0.22614		5.78414	
59 Chlorobenzene	1.05828	1.04404	1.08987	1.09276	1.14018	1.13936	AVRG		1.09408		3.65173	
60 1,1,1,2-Tetrachloroethane	0.26793	0.29825	0.32052	0.32995	0.33236	0.34193	AVRG		0.31516		8.71994	
61 Ethylbenzene	1.74591	1.76828	1.89064	1.93082	1.99058	2.05075	AVRG		1.89616		6.37119	
62 m + p-Xylene	1.32388	1.36837	1.49023	1.51021	1.58196	1.59199	AVRG		1.47777		7.45952	
63 Xylenes (total)	1.34234	1.37558	1.49838	1.51686	1.58284	1.59279	AVRG		1.48480		7.04505	
64 Xylene-o	1.37924	1.39001	1.51468	1.53017	1.58460	1.59439	AVRG		1.49885		6.24917	
65 Styrene	0.93686	1.01142	1.18653	1.24014	1.30144	1.31201	AVRG		1.16473		13.40974	

:port Date : 27-May-2005 20:43

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INITIAL CALIBRATION DATA

:art Cal Date : 25-MAY-2005 17:29
ıd Cal Date : 27-MAY-2005 11:37
ıant Method : ISTD
ırget Version : 4.14
ıtegrator : HP RTE
:thod file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
ıst Edit : 27-May-2005 20:42 mcdaniels

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
66 Bromoform	4354	9875	56932	124751	267165	721638	WLINR	0.07712	0.15214		0.99921	<-
67 Isopropylbenzene	1.51095	1.57681	1.73926	1.76793	1.87600	1.89304	AVRG		1.72733		8.99970	
68 1,1,2,2-Tetrachloroethane	0.56271	0.59959	0.59662	0.59762	0.59240	0.57180	AVRG		0.58679		2.65527	
69 1,4-Dichloro-2-butene	0.14269	0.11468	0.12583	0.13159	0.13705	0.15313	AVRG		0.13416		9.98051	
70 1,2,3-Trichloropropane	0.16928	0.18498	0.19378	0.18874	0.18317	0.17421	AVRG		0.18236		5.00169	
71 Bromobenzene	0.88946	0.98932	0.90402	0.89706	0.92232	0.88457	AVRG		0.91446		4.26219	
72 n-Propylbenzene	4.29503	4.42979	4.80689	4.77875	5.16157	5.04976	AVRG		4.75363		7.11990	
73 2-Chlorotoluene	0.92712	0.96871	1.03306	0.99741	1.02522	0.95762	AVRG		0.98486		4.17325	
74 1,3,5-Trimethylbenzene	2.92432	3.08820	3.33384	3.32003	3.49601	3.38232	AVRG		3.25746		6.46687	
75 4-Chlorotoluene	0.86382	1.02232	1.02002	0.98641	1.03116	0.97199	AVRG		0.98262		6.36712	
76 tert-Butylbenzene	2.83148	2.94680	2.96444	3.00409	3.10951	2.99846	AVRG		2.97580		3.04278	
77 1,2,4-Trimethylbenzene	2.92379	3.27581	3.29177	3.33966	3.50500	3.44520	AVRG		3.29687		6.16873	
78 sec-Butylbenzene	3.82285	4.16358	4.20933	4.21190	4.49773	4.34914	AVRG		4.20909		5.35681	
79 4-Isopropyltoluene	3.21477	3.23544	3.35462	3.36564	3.60648	3.50752	AVRG		3.38074		4.51698	
80 1,3-Dichlorobenzene	1.68575	1.82207	1.79420	1.73713	1.83150	1.74008	AVRG		1.76845		3.21257	
81 1,4-Dichlorobenzene	1.76514	1.83556	1.81509	1.76800	1.81105	1.77575	AVRG		1.79510		1.63319	
82 n-Butylbenzene	2.50673	2.65805	2.88984	2.92607	3.12533	3.11157	AVRG		2.86960		8.59229	
83 1,2-Dichlorobenzene	1.54981	1.56397	1.57120	1.57580	1.62617	1.54461	AVRG		1.57193		1.85611	
84 1,2-Dibromo-3-chloropropane	989	3129	15322	35216	73466	200095	WLINR	0.03961	0.08778		0.99982	
85 1,2,4-Trichlorobenzene	0.69364	0.85124	0.84699	0.86366	0.92943	0.91711	AVRG		0.85034		9.90316	
86 Hexachlorobutadiene	0.48105	0.46477	0.43569	0.42454	0.44849	0.40837	AVRG		0.44382		5.99640	
87 Naphthalene	17747	43424	270063	602886	1322806	3703653	WLINR	0.07236	1.63030		0.99943	

:port Date : 27-May-2005 20:43

STL North Canton

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:art Cal Date : 25-MAY-2005 17:29
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ırget Version : 4.14
ıtegrator : HP RTE
:thod file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
ıst Edit : 27-May-2005 20:42 mcdaniels

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
88 1,2,3-Trichlorobenzene	0.53855	0.60602	0.64690	0.68258	0.69581	0.70159	AVRG		0.64524		9.81454	
89 Ethyl Ether	0.22081	0.23545	0.25627	0.24713	0.24798	0.23702	AVRG		0.24078		5.16546	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	6745	12248	90762	172873	348318	887143	WLINR	0.01488	0.14828		0.99993	
92 Isopropyl Ether	0.22787	0.22239	0.25519	0.24853	0.25032	0.24350	AVRG		0.24130		5.46423	
93 2-Chloro-1,3-butadiene	0.49628	0.49126	0.58644	0.58230	0.59465	0.59549	AVRG		0.55773		8.93313	
94 Propionitrile	0.04608	0.03309	0.04286	0.03929	0.03892	0.03709	AVRG		0.03956		11.40525	
95 Ethyl Acetate	0.32526	0.29670	0.30617	0.28999	0.30081	0.27336	AVRG		0.29871		5.77396	
96 Methacrylonitrile	0.17962	0.20877	0.21412	0.20012	0.19637	0.18370	AVRG		0.19712		6.88363	
97 Isobutanol	+++++	0.01120	0.01228	0.01080	0.01111	0.00922	AVRG		0.01092		10.09510	<-
98 Cyclohexane	0.63019	0.57733	0.64426	0.65270	0.68599	0.68603	AVRG		0.64608		6.27357	
99 n-Butanol	12553	23298	93624	166092	336622	689331	LINR	-3.39404	0.00737		0.99071	<-
100 Methyl Methacrylate	0.30451	0.25750	0.30111	0.28608	0.29401	0.28061	AVRG		0.28730		5.96001	
101 2-Nitropropane	13309	22243	90413	169595	340848	837033	LINR	-0.07630	0.06938		0.99988	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
103 Cyclohexanone	0.04933	0.04915	0.04680	0.04209	0.04380	0.03663	AVRG		0.04463		10.89739	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

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ıst Edit : 27-May-2005 20:42 mcdaniels

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
141 1,3,5-Trichlorobenzene	1.15216	1.14382	1.13080	1.13014	1.18454	1.14032	AVRG		1.14696		1.76009	
143 Methyl Acetate	0.19921	0.19745	0.16604	0.16671	0.16148	0.16332	AVRG		0.17570		10.03866	
144 Methylcyclohexane	0.49164	0.44915	0.51134	0.49892	0.52310	0.51142	AVRG		0.49760		5.25155	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
146 2-Methylnaphthalene	3237	22486	127792	368759	1373706	3593215	LINR	0.98959	0.33792		0.99212	
147 Allyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
4 Dibromofluoromethane	0.20046	0.20904	0.20285	0.20424	0.20727	0.20623	AVRG		0.20502		1.52383	
5 1,2-Dichloroethane-d4	0.21407	0.21531	0.24686	0.24516	0.24100	0.24014	AVRG		0.23376		6.41066	
6 Toluene-d8	1.26825	1.32299	1.38928	1.38981	1.40362	1.42090	AVRG		1.36581		4.26219	
7 Bromofluorobenzene	0.50221	0.50278	0.52388	0.52859	0.54704	0.54813	AVRG		0.52544		3.85098	

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INITIAL CALIBRATION DATA

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ıant Method : ISTD
arget Version : 4.14
ıtegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
ıst Edit : 27-May-2005 20:42 mcdaniels

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Wt Linear	Amt = b + Rsp/m1	Response

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93571.D
Report Date: 27-May-2005 20:28

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93571.D
Lab Smp Id: 250NG-IC
Inj Date : 27-MAY-2005 09:47
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 250NG-IC
Misc Info : N50527IC,8260MIUX9,2-8260.SUB,1819,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
Meth Date : 27-May-2005 20:28 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	1284232	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	956996	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.973	9.973	(1.000)	458594	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	1324258	250.000	251.48(A)
$ 5 1,2-Dichloroethane-d4	65	4.813	4.813	(0.944)	1541995	250.000	256.83(A)
$ 6 Toluene-d8	98	6.435	6.435	(0.830)	6798973	250.000	260.08(A)
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	2622811	250.000	260.80(A)
8 Dichlorodifluoromethane	85	1.583	1.583	(0.311)	1205118	250.000	272.49(A)
9 Chloromethane	50	1.713	1.713	(0.336)	2425005	250.000	250.25(A)
10 Vinyl Chloride	62	1.808	1.808	(0.355)	1961206	250.000	260.76(A)
11 Bromomethane	94	2.092	2.092	(0.410)	615099	250.000	224.47
12 Chloroethane	64	2.187	2.187	(0.429)	908714	250.000	245.18
13 Trichlorofluoromethane	101	2.376	2.376	(0.466)	1692891	250.000	270.82(A)
15 Acrolein	56	2.660	2.660	(0.522)	1835228	2500.00	2446.6(A)
16 Acetone	43	2.778	2.778	(0.545)	1082486	500.000	502.68(A)
17 1,1-Dichloroethene	61	2.755	2.755	(0.540)	2627804	250.000	263.14(A)
18 Freon-113	151	2.814	2.814	(0.552)	1168966	250.000	266.99(A)
19 Iodomethane	142	2.885	2.885	(0.566)	2195463	250.000	257.93(A)
20 Carbon Disulfide	76	2.956	2.956	(0.580)	5229106	250.000	263.85(A)
21 Methylene Chloride	84	3.133	3.133	(0.615)	1596320	250.000	249.60
22 Acetonitrile	41	3.003	3.003	(0.589)	1772929	2500.00	2305.7(A)
23 Acrylonitrile	53	3.323	3.323	(0.652)	4970661	2500.00	2485.4(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93571.D
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Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.358	3.358	(0.659)	2149826	250.000	268.92(A)
25 trans-1,2-Dichloroethene	61	3.358	3.358	(0.659)	2712245	250.000	255.35(A)
26 Hexane	57	3.583	3.583	(0.703)	3176805	250.000	256.95(A)
27 Vinyl acetate	43	3.713	3.713	(0.728)	3173880	250.000	255.92(A)
28 1,1-Dichloroethane	63	3.689	3.689	(0.724)	3259824	250.000	256.95(A)
29 tert-Butyl Alcohol	59	3.204	3.204	(0.629)	1150792	5000.00	4941.4(A)
30 2-Butanone	43	4.151	4.151	(0.814)	1420415	500.000	460.64(A)
32 cis-1,2-dichloroethene	61	4.151	4.151	(0.814)	2885862	250.000	254.52(A)
33 2,2-Dichloropropane	77	4.163	4.163	(0.817)	1790714	250.000	266.28(A)
34 Bromochloromethane	128	4.352	4.352	(0.854)	731727	250.000	262.14(A)
35 Chloroform	83	4.411	4.411	(0.865)	2581988	250.000	260.11(A)
36 Tetrahydrofuran	42	4.387	4.387	(0.861)	398658	250.000	249.55
37 1,1,1-Trichloroethane	97	4.577	4.577	(0.898)	2166529	250.000	262.46(A)
38 1,1-Dichloropropene	75	4.707	4.707	(0.923)	2200026	250.000	261.39(A)
39 Carbon Tetrachloride	117	4.719	4.719	(0.926)	1821054	250.000	269.00(A)
40 1,2-Dichloroethane	62	4.873	4.873	(0.956)	2084972	250.000	253.57(A)
41 Benzene	78	4.873	4.873	(0.956)	7297008	250.000	255.49(A)
42 Trichloroethene	130	5.405	5.405	(1.060)	1805875	250.000	257.94(A)
43 1,2-Dichloropropane	63	5.583	5.583	(1.095)	1939735	250.000	249.96
44 1,4-Dioxane	88	5.689	5.689	(1.116)	483838	12500.0	12603(A)
45 Dibromomethane	93	5.689	5.689	(1.116)	704694	250.000	264.47(A)
46 Bromodichloromethane	83	5.819	5.819	(1.142)	1914072	250.000	268.44(A)
48 cis-1,3-Dichloropropene	75	6.198	6.198	(1.216)	2653524	250.000	274.14(A)
49 4-Methyl-2-pentanone	43	6.316	6.316	(1.239)	2905429	500.000	514.54(A)
50 Toluene	91	6.494	6.494	(0.838)	8306243	250.000	258.93(A)
51 trans-1,3-Dichloropropene	75	6.671	6.671	(0.861)	2092356	250.000	282.36(A)
52 Ethyl Methacrylate	69	6.742	6.742	(0.870)	1753485	250.000	279.73(A)
53 1,1,2-Trichloroethane	97	6.849	6.849	(0.884)	1205013	250.000	248.36
54 1,3-Dichloropropane	76	7.003	7.003	(0.904)	2202344	250.000	251.54(A)
55 Tetrachloroethene	164	6.991	6.991	(0.902)	1449255	250.000	250.87(A)
56 2-Hexanone	43	7.050	7.050	(0.910)	2251032	500.000	525.55(A)
57 Dibromochloromethane	129	7.204	7.204	(0.930)	1286538	250.000	285.06(A)
58 1,2-Dibromoethane	107	7.322	7.322	(0.945)	1144999	250.000	264.53(A)
59 Chlorobenzene	112	7.772	7.772	(1.003)	5451830	250.000	260.35(A)
60 1,1,1,2-Tetrachloroethane	131	7.843	7.843	(1.012)	1636145	250.000	271.24(A)
61 Ethylbenzene	91	7.866	7.866	(1.015)	9812790	250.000	270.38(A)
62 m + p-Xylene	91	7.973	7.973	(1.029)	15235283	500.000	538.64(A)
64 Xylene-o	91	8.351	8.351	(1.078)	7629115	250.000	265.94(A)
65 Styrene	104	8.363	8.363	(1.079)	6277921	250.000	281.61(A)
66 Bromoform	173	8.541	8.541	(1.102)	721638	250.000	251.67(A)
67 Isopropylbenzene	105	8.695	8.695	(1.122)	9058170	250.000	273.98(A)
68 1,1,2,2-Tetrachloroethane	83	8.979	8.979	(0.900)	1311115	250.000	243.61
69 1,4-Dichloro-2-butene	53	9.026	9.026	(0.905)	351121	250.000	285.34(A)
70 1,2,3-Trichloropropane	110	9.026	9.026	(0.905)	399466	250.000	238.83
71 Bromobenzene	156	9.002	9.002	(0.903)	2028289	250.000	241.83
72 n-Propylbenzene	91	9.097	9.097	(0.912)	11578945	250.000	265.57(A)
73 2-Chlorotoluene	126	9.192	9.192	(0.922)	2195794	250.000	243.08
74 1,3,5-Trimethylbenzene	105	9.263	9.263	(0.929)	7755560	250.000	259.58(A)
75 4-Chlorotoluene	126	9.286	9.286	(0.931)	2228744	250.000	247.30
76 tert-Butylbenzene	119	9.582	9.582	(0.961)	6875390	250.000	251.90(A)
77 1,2,4-Trimethylbenzene	105	9.629	9.629	(0.966)	7899734	250.000	261.25(A)
78 sec-Butylbenzene	105	9.795	9.795	(0.982)	9972446	250.000	258.32(A)
79 4-Isopropyltoluene	119	9.937	9.937	(0.996)	8042640	250.000	259.37(A)
80 1,3-Dichlorobenzene	146	9.913	9.913	(0.994)	3989951	250.000	245.99

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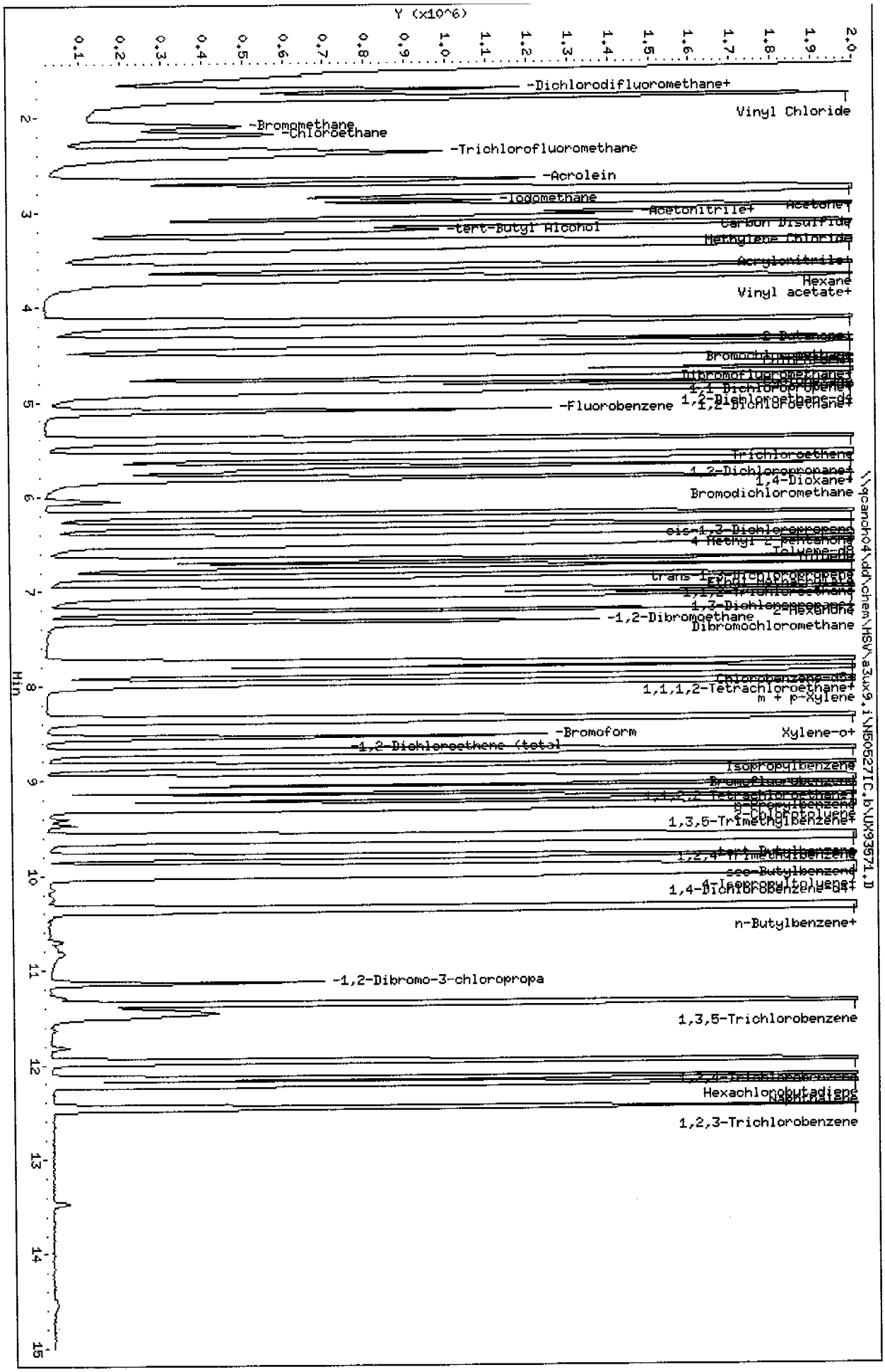
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
81 1,4-Dichlorobenzene	146	10.008	10.008	(1.004)	4071744	250.000	247.30
82 n-Butylbenzene	91	10.339	10.339	(1.037)	7134729	250.000	271.08(A)
83 1,2-Dichlorobenzene	146	10.375	10.375	(1.040)	3541751	250.000	245.66
84 1,2-Dibromo-3-chloropropane	157	11.132	11.132	(1.116)	200095	250.000	250.51(A)
85 1,2,4-Trichlorobenzene	180	11.972	11.972	(1.201)	2102897	250.000	269.63(A)
86 Hexachlorobutadiene	225	12.138	12.138	(1.217)	936371	250.000	230.03
87 Naphthalene	128	12.209	12.209	(1.224)	3703653	250.000	251.30(A)
88 1,2,3-Trichlorobenzene	180	12.457	12.457	(1.249)	1608732	250.000	271.83(A)
98 Cyclohexane	56	4.624	4.624	(0.907)	4405140	250.000	265.46(A)
143 Methyl Acetate	43	3.039	3.039	(0.596)	2097450	500.000	464.78(A)
144 Methylcyclohexane	83	5.571	5.571	(1.093)	3283898	250.000	256.94(A)
141 1,3,5-Trichlorobenzene	180	11.357	11.357	(1.139)	2614713	250.000	248.55

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanch04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93571.D
Date : 27-MAY-2005 09:47
Client ID:
Sample Info: 250NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Iodomethane
-Acetonitrile+
Acetone+
Carbon Disulfide
-tert-Butyl Alcohol
Methylene Chloride
Acrylonitrile+
Hexane
Vinyl acetate+
2-Butanone+
Bromochloromethane
Chloroform
Dibromofluoromethane+
Cyclohexane
1,1-Dichloropropene+
1,2-Dichloroethane-d4
-Fluorobenzene
1,2-Dichloroethane+
Trichloroethene
1,2-Dichloropropane+
1,4-Dioxane+
Bromodichloromethane
cis-1,3-Dichloropropene
4-Methyl-2-pentanone
Toluene-d8
Toluene
trans-1,3-Dichloropropene
Ethyl Methacrylate
1,1,2-Trichloroethane
1,3-Dichloropropane+
2-Hexanone
-1,2-Dibromoethane
Dibromochloromethane
Chlorobenzene-d5
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
-1,2-Dichloroethene (total)
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
1,2,4-Trimethylbenzene
tert-Butylbenzene
sec-Butylbenzene
4-Isopropyltoluene+
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
\\qcanch04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93571.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93572.D
Report Date: 27-May-2005 20:28

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93572.D
Lab Smp Id: 100NG-IC
Inj Date : 27-MAY-2005 10:09
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 100NG-IC
Misc Info : N50527IC,8260MIUX9,2-8260.SUB,1819,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
Meth Date : 27-May-2005 20:28 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 21:33 Cal File: UX93512.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	1261510	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	943127	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	430090	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	522948	100.000	101.10
$ 5 1,2-Dichloroethane-d4	65	4.813	4.813	(0.944)	608038	100.000	103.10
$ 6 Toluene-d8	98	6.446	6.446	(0.832)	2647593	100.000	102.77
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	1031857	100.000	104.11
8 Dichlorodifluoromethane	85	1.595	1.595	(0.313)	487743	100.000	112.27
9 Chloromethane	50	1.713	1.713	(0.336)	974983	100.000	102.43
10 Vinyl Chloride	62	1.808	1.808	(0.355)	798237	100.000	108.04
11 Bromomethane	94	2.103	2.103	(0.413)	277783	100.000	103.20
12 Chloroethane	64	2.186	2.186	(0.429)	388069	100.000	106.59
13 Trichlorofluoromethane	101	2.387	2.387	(0.468)	681221	100.000	110.94
15 Acrolein	56	2.671	2.671	(0.524)	736618	1000.00	999.68(A)
16 Acetone	43	2.790	2.790	(0.547)	412394	200.000	189.93
17 1,1-Dichloroethene	61	2.766	2.766	(0.543)	1043780	100.000	106.40
18 Freon-113	151	2.813	2.813	(0.552)	458083	100.000	106.51
19 Iodomethane	142	2.884	2.884	(0.566)	878244	100.000	105.04
20 Carbon Disulfide	76	2.955	2.955	(0.580)	2045961	100.000	105.09
21 Methylene Chloride	84	3.145	3.145	(0.617)	649441	100.000	100.59
22 Acetonitrile	41	3.003	3.003	(0.589)	706589	1000.00	935.49(A)
23 Acrylonitrile	53	3.322	3.322	(0.652)	1940880	1000.00	987.97(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93572.D
Report Date: 27-May-2005 20:28

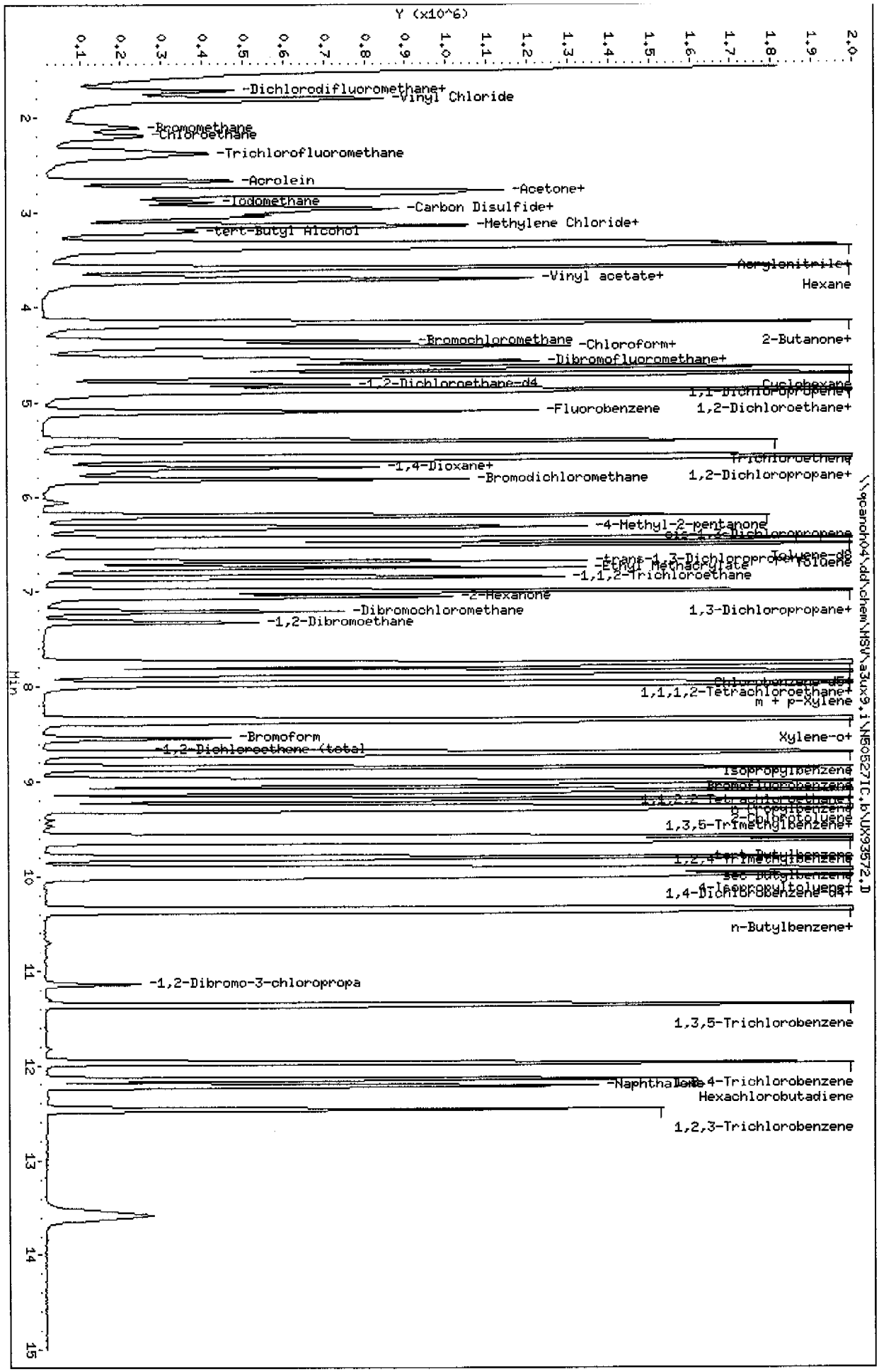
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.358	3.358	(0.659)	787833	100.000	100.32
25 trans-1,2-Dichloroethene	61	3.369	3.369	(0.661)	1087870	100.000	104.26
26 Hexane	57	3.582	3.582	(0.703)	1262948	100.000	103.99
27 Vinyl acetate	43	3.713	3.713	(0.728)	1205303	100.000	98.938
28 1,1-Dichloroethane	63	3.689	3.689	(0.724)	1289321	100.000	103.46
29 tert-Butyl Alcohol	59	3.204	3.204	(0.629)	436855	2000.00	1909.6(A)
30 2-Butanone	43	4.150	4.150	(0.814)	546946	200.000	180.57
32 cis-1,2-dichloroethene	61	4.162	4.162	(0.817)	1163178	100.000	104.43
33 2,2-Dichloropropane	77	4.162	4.162	(0.817)	712898	100.000	107.92
34 Bromochloromethane	128	4.352	4.352	(0.854)	289063	100.000	105.42
35 Chloroform	83	4.411	4.411	(0.865)	1026207	100.000	105.24
36 Tetrahydrofuran	42	4.399	4.399	(0.863)	160939	100.000	100.14
37 1,1,1-Trichloroethane	97	4.576	4.576	(0.898)	861960	100.000	106.30
38 1,1-Dichloropropene	75	4.707	4.707	(0.923)	875126	100.000	105.85
39 Carbon Tetrachloride	117	4.718	4.718	(0.926)	711159	100.000	106.94
40 1,2-Dichloroethane	62	4.884	4.884	(0.958)	823482	100.000	101.95
41 Benzene	78	4.872	4.872	(0.956)	2880989	100.000	102.69
42 Trichloroethene	130	5.405	5.405	(1.060)	725997	100.000	105.56
43 1,2-Dichloropropane	63	5.594	5.594	(1.097)	778182	100.000	102.09
44 1,4-Dioxane	88	5.689	5.689	(1.116)	196396	5000.00	5207.8(A)
45 Dibromomethane	93	5.689	5.689	(1.116)	280714	100.000	107.25
46 Bromodichloromethane	83	5.819	5.819	(1.142)	745168	100.000	106.39
48 cis-1,3-Dichloropropene	75	6.198	6.198	(1.216)	1020456	100.000	107.32
49 4-Methyl-2-pentanone	43	6.316	6.316	(1.239)	1109616	200.000	200.05
50 Toluene	91	6.505	6.505	(0.840)	3248663	100.000	102.76
51 trans-1,3-Dichloropropene	75	6.671	6.671	(0.861)	788789	100.000	108.01
52 Ethyl Methacrylate	69	6.742	6.742	(0.870)	663747	100.000	107.44
53 1,1,2-Trichloroethane	97	6.848	6.848	(0.884)	478177	100.000	100.00
54 1,3-Dichloropropane	76	7.002	7.002	(0.904)	872186	100.000	101.08
55 Tetrachloroethene	164	7.002	7.002	(0.904)	579559	100.000	101.80
56 2-Hexanone	43	7.049	7.049	(0.910)	830216	200.000	196.68
57 Dibromochloromethane	129	7.215	7.215	(0.931)	481309	100.000	108.21
58 1,2-Dibromoethane	107	7.322	7.322	(0.945)	440834	100.000	103.34
59 Chlorobenzene	112	7.771	7.771	(1.003)	2150665	100.000	104.21
60 1,1,1,2-Tetrachloroethane	131	7.842	7.842	(1.012)	626914	100.000	105.46
61 Ethylbenzene	91	7.866	7.866	(1.015)	3754740	100.000	104.98
62 m + p-Xylene	91	7.972	7.972	(1.029)	5967963	200.000	214.10
64 Xylene-o	91	8.351	8.351	(1.078)	2988964	100.000	105.72
65 Styrene	104	8.363	8.363	(1.079)	2454846	100.000	111.74
66 Bromoform	173	8.540	8.540	(1.102)	267165	100.000	96.950
67 Isopropylbenzene	105	8.694	8.694	(1.122)	3538617	100.000	108.61
68 1,1,2,2-Tetrachloroethane	83	8.978	8.978	(0.899)	509574	100.000	100.96
69 1,4-Dichloro-2-butene	53	9.026	9.026	(0.904)	117889	100.000	102.15
70 1,2,3-Trichloropropane	110	9.026	9.026	(0.904)	157562	100.000	100.44
71 Bromobenzene	156	9.002	9.002	(0.902)	793365	100.000	100.86
72 n-Propylbenzene	91	9.097	9.097	(0.911)	4439878	100.000	108.58
73 2-Chlorotoluene	126	9.191	9.191	(0.921)	881878	100.000	104.10
74 1,3,5-Trimethylbenzene	105	9.262	9.262	(0.928)	3007202	100.000	107.32
75 4-Chlorotoluene	126	9.286	9.286	(0.930)	886981	100.000	104.94
76 tert-Butylbenzene	119	9.582	9.582	(0.960)	2674742	100.000	104.49
77 1,2,4-Trimethylbenzene	105	9.629	9.629	(0.964)	3014931	100.000	106.31
78 sec-Butylbenzene	105	9.795	9.795	(0.981)	3868857	100.000	106.86
79 4-Isopropyltoluene	119	9.937	9.937	(0.995)	3102220	100.000	106.68
80 1,3-Dichlorobenzene	146	9.913	9.913	(0.993)	1575421	100.000	103.56

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93572.D
Report Date: 27-May-2005 20:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
81 1,4-Dichlorobenzene	146	10.008	10.008	(1.002)	1557832	100.000	100.89
82 n-Butylbenzene	91	10.339	10.339	(1.036)	2688344	100.000	108.91
83 1,2-Dichlorobenzene	146	10.375	10.375	(1.039)	1398799	100.000	103.45
84 1,2-Dibromo-3-chloropropane	157	11.132	11.132	(1.115)	73466	100.000	99.276
85 1,2,4-Trichlorobenzene	180	11.972	11.972	(1.199)	799476	100.000	109.30
86 Hexachlorobutadiene	225	12.138	12.138	(1.216)	385782	100.000	101.05
87 Naphthalene	128	12.209	12.209	(1.223)	1322806	100.000	97.946
88 1,2,3-Trichlorobenzene	180	12.457	12.457	(1.248)	598522	100.000	107.84
98 Cyclohexane	56	4.636	4.636	(0.909)	1730756	100.000	106.18
143 Methyl Acetate	43	3.050	3.050	(0.598)	814824	200.000	183.81
144 Methylcyclohexane	83	5.582	5.582	(1.095)	1319798	100.000	105.12
141 1,3,5-Trichlorobenzene	180	11.357	11.357	(1.137)	1018921	100.000	103.28

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\HSV\a3ux9.i\N50527IC.b\UX93572.D
Date : 27-MAY-2005 10:09
Client ID:
Sample Info: 100NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide+
-Methylene Chloride+
-tert-Butyl Alcohol
-Acrylonitrile+
-Vinyl acetate+
Hexane
-Bromochloromethane
-Chloroform+
2-Butanone+
-Dibromofluoromethane+
-1,2-Dichloroethane-d4
Cyclohexane
1,1-Dichloropropene+
-Fluorobenzene
1,2-Dichloroethane+
Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-4-Methyl-2-pentanone
cis-1,3-Dichloropropene
Toluene-d8
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
Toluene
-1,1,2-Trichloroethane
-2-Hexanone
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
-1,2-Dichloroethane (total
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene+
1,4-Dichlorobenzene-d4
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
-Naphthalene
1,2,4-Trichlorobenzene
Hexachlorobutadiene
1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\HSV\a3ux9.i\N50527IC.b\UX93572.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93573.D
Report Date: 27-May-2005 20:28

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93573.D
Lab Smp Id: 50NG-IC
Inj Date : 27-MAY-2005 10:31
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 50NG-IC
Misc Info : N50527IC,8260MIUX9,2-8260.SUB,1819,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
Meth Date : 27-May-2005 20:28 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 23:25 Cal File: UX93517.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	1257413	50.0000	
* 2 Chlorobenzene-d5	117	7.747	7.747	(1.000)	944948	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.983	9.983	(1.000)	422599	50.0000	
$ 4 Dibromofluoromethane	113	4.540	4.540	(0.891)	256814	50.0000	49.810
$ 5 1,2-Dichloroethane-d4	65	4.813	4.813	(0.944)	308269	50.0000	52.439
$ 6 Toluene-d8	98	6.445	6.445	(0.832)	1313299	50.0000	50.879
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	499493	50.0000	50.300
8 Dichlorodifluoromethane	85	1.594	1.594	(0.313)	233386	50.0000	53.897
9 Chloromethane	50	1.712	1.712	(0.336)	476017	50.0000	50.172
10 Vinyl Chloride	62	1.807	1.807	(0.355)	382938	50.0000	52.002
11 Bromomethane	94	2.103	2.103	(0.413)	139485	50.0000	51.989
12 Chloroethane	64	2.186	2.186	(0.429)	185725	50.0000	51.178
13 Trichlorofluoromethane	101	2.375	2.375	(0.466)	328981	50.0000	53.752
15 Acrolein	56	2.671	2.671	(0.524)	370045	500.000	503.83(A)
16 Acetone	43	2.789	2.789	(0.547)	225778	100.000	100.62
17 1,1-Dichloroethene	61	2.765	2.765	(0.543)	513718	50.0000	52.540
18 Freon-113	151	2.813	2.813	(0.552)	214952	50.0000	50.142
19 Iodomethane	142	2.896	2.896	(0.568)	430672	50.0000	51.677
20 Carbon Disulfide	76	2.955	2.955	(0.580)	1002052	50.0000	51.639
21 Methylene Chloride	84	3.144	3.144	(0.617)	341970	50.0000	50.899
22 Acetonitrile	41	3.014	3.014	(0.591)	366817	500.000	487.23(A)
23 Acrylonitrile	53	3.322	3.322	(0.652)	988278	500.000	504.70(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93573.D
Report Date: 27-May-2005 20:28

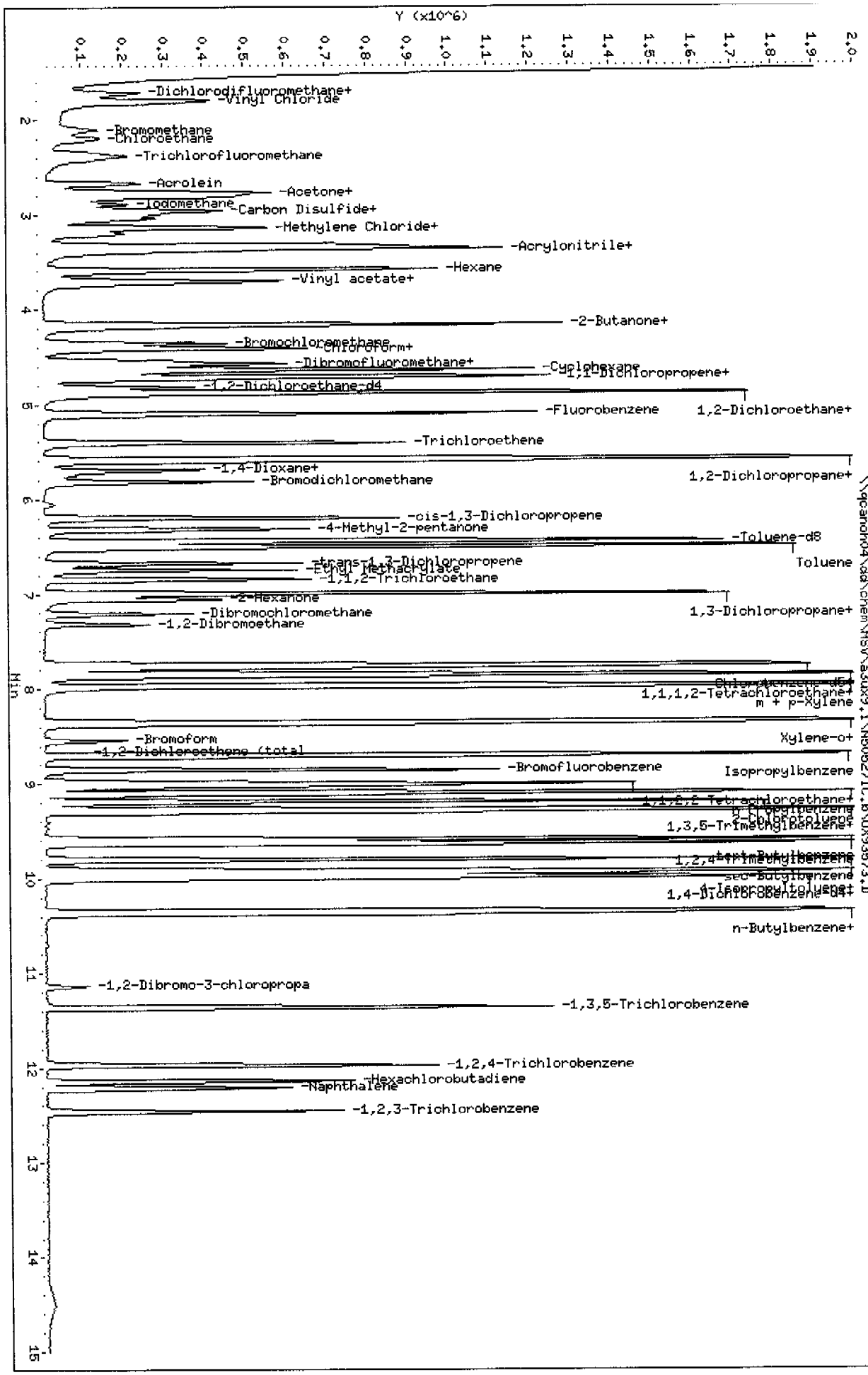
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.357	3.357	(0.659)	409053	50.0000	52.259
25 trans-1,2-Dichloroethene	61	3.369	3.369	(0.661)	534577	50.0000	51.402
26 Hexane	57	3.582	3.582	(0.703)	605402	50.0000	50.011
27 Vinyl acetate	43	3.724	3.724	(0.731)	580937	50.0000	47.842
28 1,1-Dichloroethane	63	3.688	3.688	(0.724)	638794	50.0000	51.427
29 tert-Butyl Alcohol	59	3.203	3.203	(0.629)	231274	1000.00	1014.2(A)
30 2-Butanone	43	4.150	4.150	(0.814)	276751	100.000	91.664
32 cis-1,2-dichloroethene	61	4.162	4.162	(0.817)	557988	50.0000	50.261
33 2,2-Dichloropropane	77	4.162	4.162	(0.817)	350035	50.0000	53.161
34 Bromochloromethane	128	4.351	4.351	(0.854)	143366	50.0000	52.456
35 Chloroform	83	4.410	4.410	(0.865)	496992	50.0000	51.135
36 Tetrahydrofuran	42	4.398	4.398	(0.863)	85765	50.0000	51.632
37 1,1,1-Trichloroethane	97	4.576	4.576	(0.898)	415826	50.0000	51.449
38 1,1-Dichloropropene	75	4.706	4.706	(0.923)	425506	50.0000	51.634
39 Carbon Tetrachloride	117	4.718	4.718	(0.926)	345266	50.0000	52.090
40 1,2-Dichloroethane	62	4.884	4.884	(0.958)	410752	50.0000	51.020
41 Benzene	78	4.884	4.884	(0.958)	1417450	50.0000	50.687
42 Trichloroethene	130	5.404	5.404	(1.060)	351854	50.0000	51.328
43 1,2-Dichloropropane	63	5.593	5.593	(1.098)	386796	50.0000	50.907
44 1,4-Dioxane	88	5.700	5.700	(1.118)	102808	2500.00	2735.0(A)
45 Dibromomethane	93	5.688	5.688	(1.116)	138702	50.0000	53.166
46 Bromodichloromethane	83	5.818	5.818	(1.142)	360431	50.0000	51.626
48 cis-1,3-Dichloropropene	75	6.197	6.197	(1.216)	497157	50.0000	52.457
49 4-Methyl-2-pentanone	43	6.315	6.315	(1.239)	556003	100.000	100.57
50 Toluene	91	6.505	6.505	(0.840)	1573894	50.0000	49.688
51 trans-1,3-Dichloropropene	75	6.682	6.682	(0.863)	378817	50.0000	51.772
52 Ethyl Methacrylate	69	6.741	6.741	(0.870)	326351	50.0000	52.726
53 1,1,2-Trichloroethane	97	6.848	6.848	(0.884)	237946	50.0000	49.666
54 1,3-Dichloropropane	76	7.002	7.002	(0.904)	442574	50.0000	51.193
55 Tetrachloroethene	164	7.002	7.002	(0.904)	282423	50.0000	49.512
56 2-Hexanone	43	7.061	7.061	(0.911)	408665	100.000	96.629
57 Dibromochloromethane	129	7.215	7.215	(0.931)	235126	50.0000	52.760
58 1,2-Dibromoethane	107	7.321	7.321	(0.945)	220475	50.0000	51.586
59 Chlorobenzene	112	7.771	7.771	(1.003)	1032606	50.0000	49.940
60 1,1,1,2-Tetrachloroethane	131	7.842	7.842	(1.012)	311786	50.0000	52.347
61 Ethylbenzene	91	7.865	7.865	(1.015)	1824527	50.0000	50.914
62 m + p-Xylene	91	7.972	7.972	(1.029)	2854145	100.000	102.20
64 Xylene-o	91	8.351	8.351	(1.078)	1445930	50.0000	51.045
65 Styrene	104	8.362	8.362	(1.079)	1171870	50.0000	53.237
66 Bromoform	173	8.540	8.540	(1.102)	124751	50.0000	47.242
67 Isopropylbenzene	105	8.706	8.706	(1.124)	1670598	50.0000	51.175
68 1,1,2,2-Tetrachloroethane	83	8.978	8.978	(0.899)	252554	50.0000	50.923
69 1,4-Dichloro-2-butene	53	9.025	9.025	(0.904)	55609	50.0000	49.041
70 1,2,3-Trichloropropane	110	9.025	9.025	(0.904)	79762	50.0000	51.749
71 Bromobenzene	156	9.001	9.001	(0.902)	379098	50.0000	49.049
72 n-Propylbenzene	91	9.096	9.096	(0.911)	2019497	50.0000	50.264
73 2-Chlorotoluene	126	9.191	9.191	(0.921)	421505	50.0000	50.637
74 1,3,5-Trimethylbenzene	105	9.262	9.262	(0.928)	1403041	50.0000	50.960
75 4-Chlorotoluene	126	9.297	9.297	(0.931)	416854	50.0000	50.193
76 tert-Butylbenzene	119	9.581	9.581	(0.960)	1269527	50.0000	50.475
77 1,2,4-Trimethylbenzene	105	9.628	9.628	(0.964)	1411339	50.0000	50.649
78 sec-Butylbenzene	105	9.806	9.806	(0.982)	1779943	50.0000	50.033
79 4-Isopropyltoluene	119	9.936	9.936	(0.995)	1422315	50.0000	49.776
80 1,3-Dichlorobenzene	146	9.912	9.912	(0.993)	734108	50.0000	49.114

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93573.D
Report Date: 27-May-2005 20:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
81 1,4-Dichlorobenzene	146	10.007	10.007	(1.002)	747154	50.0000	49.245
82 n-Butylbenzene	91	10.350	10.350	(1.037)	1236555	50.0000	50.984
83 1,2-Dichlorobenzene	146	10.374	10.374	(1.039)	665930	50.0000	50.123
84 1,2-Dibromo-3-chloropropane	157	11.143	11.143	(1.116)	35216	50.0000	49.446
85 1,2,4-Trichlorobenzene	180	11.971	11.971	(1.199)	364982	50.0000	50.783
86 Hexachlorobutadiene	225	12.137	12.137	(1.216)	179412	50.0000	47.829
87 Naphthalene	128	12.208	12.208	(1.223)	602886	50.0000	47.371
88 1,2,3-Trichlorobenzene	180	12.457	12.457	(1.248)	288459	50.0000	52.894
98 Cyclohexane	56	4.635	4.635	(0.909)	820712	50.0000	50.512
143 Methyl Acetate	43	3.049	3.049	(0.598)	419243	100.000	94.882
144 Methylcyclohexane	83	5.582	5.582	(1.095)	627347	50.0000	50.133
141 1,3,5-Trichlorobenzene	180	11.356	11.356	(1.137)	477594	50.0000	49.266

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanch04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93573.D
Date : 27-MAY-2005 10:31
Client ID:
Sample Info: 50NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-Fluorobenzene
1,2-Dichloroethane+
-Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
Xylene-o+
-Bromoform
-1,2-Dichloroethene (total)
-Bromofluorobenzene
Isopropylbenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene+
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene+
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanch04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93573.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93574.D
Report Date: 27-May-2005 20:28

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93574.D
Lab Smp Id: 25NG-IC
Inj Date : 27-MAY-2005 10:53
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 25NG-IC
Misc Info : N50527IC,8260MIUX9,2-8260.SUB,1819,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
Meth Date : 27-May-2005 20:28 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 21:56 Cal File: UX93513.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.098	5.098	(1.000)	1249995	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	934653	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	411672	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	126781	25.0000	24.736
$ 5 1,2-Dichloroethane-d4	65	4.814	4.814	(0.944)	154290	25.0000	26.402
$ 6 Toluene-d8	98	6.446	6.446	(0.832)	649247	25.0000	25.430
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	244824	25.0000	24.926
8 Dichlorodifluoromethane	85	1.583	1.583	(0.311)	106463	25.0000	24.732
9 Chloromethane	50	1.713	1.713	(0.336)	225775	25.0000	23.938
10 Vinyl Chloride	62	1.808	1.808	(0.355)	183108	25.0000	25.013
11 Bromomethane	94	2.104	2.104	(0.413)	69033	25.0000	25.883
12 Chloroethane	64	2.198	2.198	(0.431)	92982	25.0000	25.774
13 Trichlorofluoromethane	101	2.376	2.376	(0.466)	145469	25.0000	23.909
15 Acrolein	56	2.672	2.672	(0.524)	185292	250.000	253.78(A)
16 Acetone	43	2.790	2.790	(0.547)	137248	50.0000	58.344
17 1,1-Dichloroethene	61	2.766	2.766	(0.543)	251521	25.0000	25.877
18 Freon-113	151	2.814	2.814	(0.552)	107046	25.0000	25.119
19 Iodomethane	142	2.897	2.897	(0.568)	210378	25.0000	25.393
20 Carbon Disulfide	76	2.956	2.956	(0.580)	487315	25.0000	25.262
21 Methylene Chloride	84	3.133	3.133	(0.615)	180756	25.0000	24.839
22 Acetonitrile	41	3.015	3.015	(0.591)	184509	250.000	246.53
23 Acrylonitrile	53	3.323	3.323	(0.652)	481137	250.000	247.17

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93574.D
Report Date: 27-May-2005 20:28

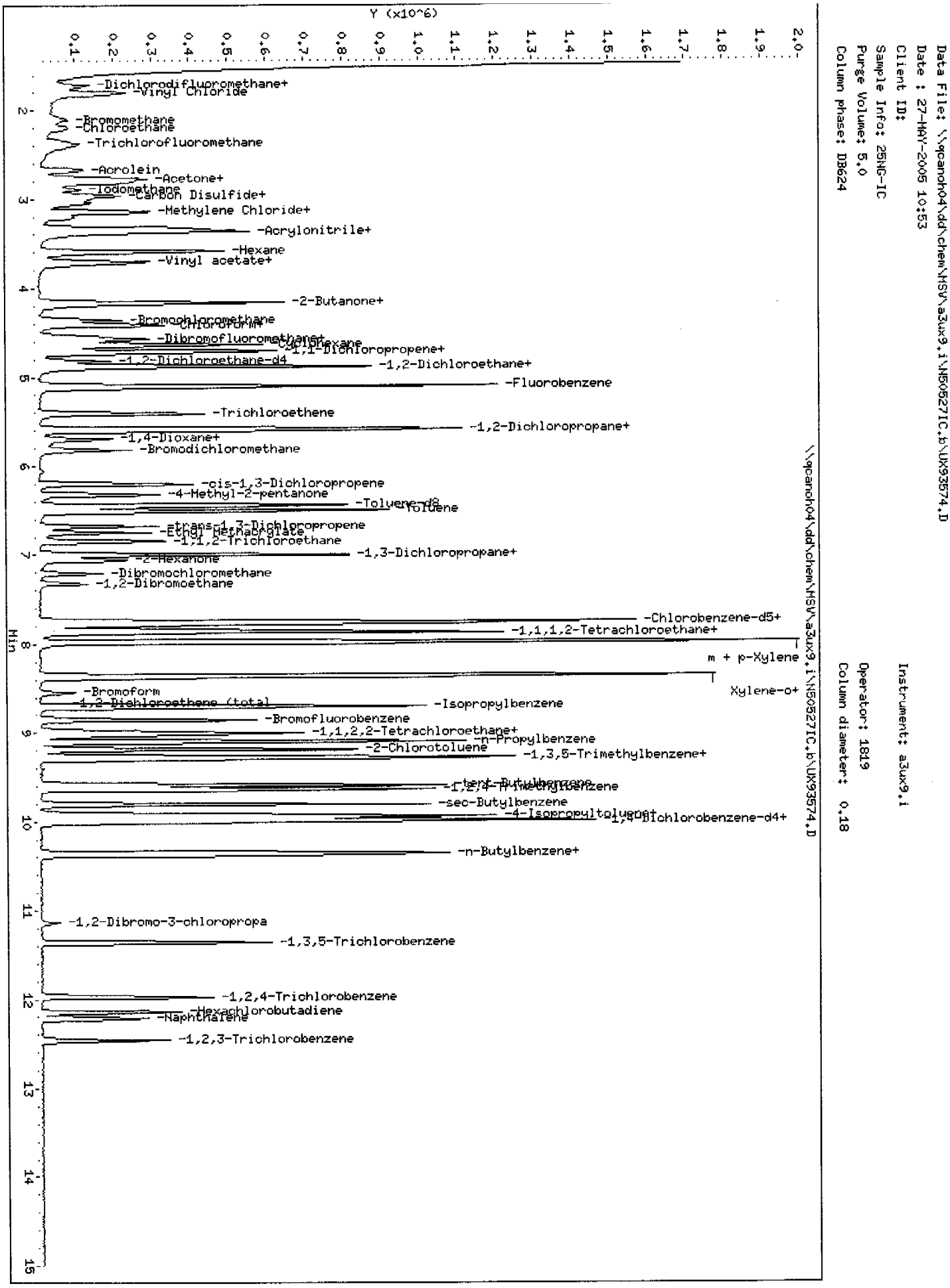
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.358	3.358	(0.659)	189531	25.0000	24.358
25 trans-1,2-Dichloroethene	61	3.370	3.370	(0.661)	262068	25.0000	25.349
26 Hexane	57	3.583	3.583	(0.703)	302288	25.0000	25.119
27 Vinyl acetate	43	3.713	3.713	(0.728)	290492	25.0000	24.065
28 1,1-Dichloroethane	63	3.689	3.689	(0.724)	316573	25.0000	25.637
29 tert-Butyl Alcohol	59	3.204	3.204	(0.629)	110831	500.000	488.93(A)
30 2-Butanone	43	4.151	4.151	(0.814)	150672	50.0000	50.201
32 cis-1,2-dichloroethene	61	4.163	4.163	(0.817)	280995	25.0000	25.461
33 2,2-Dichloropropane	77	4.163	4.163	(0.817)	168625	25.0000	25.761
34 Bromochloromethane	128	4.352	4.352	(0.854)	69140	25.0000	25.448
35 Chloroform	83	4.411	4.411	(0.865)	252810	25.0000	26.166
36 Tetrahydrofuran	42	4.399	4.399	(0.863)	45624	25.0000	25.723
37 1,1,1-Trichloroethane	97	4.577	4.577	(0.898)	205517	25.0000	25.579
38 1,1-Dichloropropene	75	4.707	4.707	(0.923)	207354	25.0000	25.311
39 Carbon Tetrachloride	117	4.719	4.719	(0.926)	168779	25.0000	25.615
40 1,2-Dichloroethane	62	4.885	4.885	(0.958)	200926	25.0000	25.105
41 Benzene	78	4.873	4.873	(0.956)	690644	25.0000	24.844
42 Trichloroethene	130	5.405	5.405	(1.060)	175970	25.0000	25.823
43 1,2-Dichloropropane	63	5.594	5.594	(1.097)	189445	25.0000	25.081
44 1,4-Dioxane	88	5.701	5.701	(1.118)	46187	1250.00	1236.0(A)
45 Dibromomethane	93	5.689	5.689	(1.116)	67111	25.0000	25.877
46 Bromodichloromethane	83	5.819	5.819	(1.142)	178231	25.0000	25.680
48 cis-1,3-Dichloropropene	75	6.198	6.198	(1.216)	239118	25.0000	25.380
49 4-Methyl-2-pentanone	43	6.316	6.316	(1.239)	272074	50.0000	49.503
50 Toluene	91	6.494	6.494	(0.838)	786611	25.0000	25.107
51 trans-1,3-Dichloropropene	75	6.671	6.671	(0.861)	184034	25.0000	25.429
52 Ethyl Methacrylate	69	6.742	6.742	(0.870)	155798	25.0000	25.448
53 1,1,2-Trichloroethane	97	6.849	6.849	(0.884)	119193	25.0000	25.153
54 1,3-Dichloropropane	76	7.003	7.003	(0.904)	212855	25.0000	24.892
55 Tetrachloroethene	164	7.003	7.003	(0.904)	143690	25.0000	25.468
56 2-Hexanone	43	7.062	7.062	(0.911)	228588	50.0000	54.645
57 Dibromochloromethane	129	7.216	7.216	(0.931)	110800	25.0000	25.136
58 1,2-Dibromoethane	107	7.322	7.322	(0.945)	108047	25.0000	25.559
59 Chlorobenzene	112	7.772	7.772	(1.003)	509327	25.0000	24.904
60 1,1,1,2-Tetrachloroethane	131	7.843	7.843	(1.012)	149789	25.0000	25.426
61 Ethylbenzene	91	7.866	7.866	(1.015)	883546	25.0000	24.927
62 m + p-Xylene	91	7.973	7.973	(1.029)	1392846	50.0000	50.421
64 Xylene-o	91	8.352	8.352	(1.078)	707848	25.0000	25.264
65 Styrene	104	8.363	8.363	(1.079)	554495	25.0000	25.468
66 Bromoform	173	8.541	8.541	(1.102)	56932	25.0000	23.874
67 Isopropylbenzene	105	8.695	8.695	(1.122)	812801	25.0000	25.173
68 1,1,2,2-Tetrachloroethane	83	8.979	8.979	(0.899)	122805	25.0000	25.419
69 1,4-Dichloro-2-butene	53	9.026	9.026	(0.904)	25900	25.0000	23.447
70 1,2,3-Trichloropropane	110	9.026	9.026	(0.904)	39886	25.0000	26.565
71 Bromobenzene	156	9.002	9.002	(0.902)	186080	25.0000	24.715
72 n-Propylbenzene	91	9.097	9.097	(0.911)	989432	25.0000	25.280
73 2-Chlorotoluene	126	9.192	9.192	(0.921)	212640	25.0000	26.223
74 1,3,5-Trimethylbenzene	105	9.263	9.263	(0.928)	686225	25.0000	25.586
75 4-Chlorotoluene	126	9.286	9.286	(0.930)	209956	25.0000	25.952
76 tert-Butylbenzene	119	9.582	9.582	(0.960)	610188	25.0000	24.904
77 1,2,4-Trimethylbenzene	105	9.629	9.629	(0.964)	677565	25.0000	24.961
78 sec-Butylbenzene	105	9.795	9.795	(0.981)	866431	25.0000	25.001
79 4-Isopropyltoluene	119	9.937	9.937	(0.995)	690501	25.0000	24.807
80 1,3-Dichlorobenzene	146	9.913	9.913	(0.993)	369310	25.0000	25.364

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93574.D
Report Date: 27-May-2005 20:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
81 1,4-Dichlorobenzene	146	10.008	10.008	(1.002)	373611	25.0000	25.278
82 n-Butylbenzene	91	10.339	10.339	(1.036)	594833	25.0000	25.176
83 1,2-Dichlorobenzene	146	10.375	10.375	(1.039)	323409	25.0000	24.988
84 1,2-Dibromo-3-chloropropane	157	11.144	11.144	(1.116)	15322	25.0000	23.180
85 1,2,4-Trichlorobenzene	180	11.972	11.972	(1.199)	174341	25.0000	24.901
86 Hexachlorobutadiene	225	12.138	12.138	(1.216)	89680	25.0000	24.542
87 Naphthalene	128	12.209	12.209	(1.223)	270063	25.0000	23.737
88 1,2,3-Trichlorobenzene	180	12.458	12.458	(1.248)	133156	25.0000	25.064
98 Cyclohexane	56	4.636	4.636	(0.909)	402660	25.0000	24.929
143 Methyl Acetate	43	3.050	3.050	(0.598)	207544	50.0000	47.250
144 Methylcyclohexane	83	5.583	5.583	(1.095)	319586	25.0000	25.690
141 1,3,5-Trichlorobenzene	180	11.357	11.357	(1.137)	232760	25.0000	24.648

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 27-MAY-2005 10:53
Client ID:
Sample Info: 25NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane+
m + p-Xylene
Xylene-o+
-Bromoform
-1,2-Dichloroethene (total)
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-4-Isopropyltoluene+
-1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
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Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93575.D
Report Date: 27-May-2005 20:28

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93575.D
Lab Smp Id: 10NG-IC
Inj Date : 27-MAY-2005 11:15
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 10NG-IC
Misc Info : N50527IC,8260MIUX9,2-8260.SUB,1819,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
Meth Date : 27-May-2005 20:28 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 22:41 Cal File: UX93515.D
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.100	5.100	(1.000)	1247632	50.0000	
* 2 Chlorobenzene-d5	117	7.751	7.751	(1.000)	931922	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.975	9.975	(1.000)	383932	50.0000	
$ 4 Dibromofluoromethane	113	4.544	4.544	(0.891)	26081	5.00000	5.098
$ 5 1,2-Dichloroethane-d4	65	4.816	4.816	(0.944)	26863	5.00000	4.605
$ 6 Toluene-d8	98	6.437	6.437	(0.831)	123292	5.00000	4.843
$ 7 Bromofluorobenzene	95	8.851	8.851	(1.142)	46855	5.00000	4.784
8 Dichlorodifluoromethane	85	1.610	1.610	(0.316)	20005	5.00000	4.656
9 Chloromethane	50	1.716	1.716	(0.337)	48708	5.00000	5.174
10 Vinyl Chloride	62	1.811	1.811	(0.355)	34414	5.00000	4.710
11 Bromomethane	94	2.107	2.107	(0.413)	13975	5.00000	5.250
12 Chloroethane	64	2.201	2.201	(0.432)	17752	5.00000	4.930
13 Trichlorofluoromethane	101	2.391	2.391	(0.469)	28271	5.00000	4.655
15 Acrolein	56	2.675	2.675	(0.524)	34811	50.0000	47.768
16 Acetone	43	2.781	2.781	(0.545)	41361	10.0000	11.888
17 1,1-Dichloroethene	61	2.769	2.769	(0.543)	44649	5.00000	4.602
18 Freon-113	151	2.817	2.817	(0.552)	18343	5.00000	4.312
19 Iodomethane	142	2.888	2.888	(0.566)	40431	5.00000	4.889
20 Carbon Disulfide	76	2.959	2.959	(0.580)	89792	5.00000	4.664
21 Methylene Chloride	84	3.136	3.136	(0.615)	59178	5.00000	4.955
22 Acetonitrile	41	3.018	3.018	(0.592)	38848	50.0000	52.005
23 Acrylonitrile	53	3.325	3.325	(0.652)	95188	50.0000	48.993

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Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.361	3.361	(0.659)	37074	5.00000	4.774
25 trans-1,2-Dichloroethene	61	3.361	3.361	(0.659)	51009	5.00000	4.943
26 Hexane	57	3.586	3.586	(0.703)	55312	5.00000	4.605
27 Vinyl acetate	43	3.716	3.716	(0.729)	59779	5.00000	4.962
28 1,1-Dichloroethane	63	3.692	3.692	(0.724)	60670	5.00000	4.922
29 tert-Butyl Alcohol	59	3.219	3.219	(0.631)	23846	100.000	105.40
30 2-Butanone	43	4.154	4.154	(0.814)	30090	10.0000	10.044
32 cis-1,2-dichloroethene	61	4.166	4.166	(0.817)	54745	5.00000	4.970
33 2,2-Dichloropropane	77	4.166	4.166	(0.817)	28745	5.00000	4.400
34 Bromochloromethane	128	4.355	4.355	(0.854)	12584	5.00000	4.640
35 Chloroform	83	4.414	4.414	(0.865)	44968	5.00000	4.663
36 Tetrahydrofuran	42	4.390	4.390	(0.861)	12659	5.00000	4.190
37 1,1,1-Trichloroethane	97	4.580	4.580	(0.898)	37568	5.00000	4.685
38 1,1-Dichloropropene	75	4.710	4.710	(0.923)	38492	5.00000	4.707
39 Carbon Tetrachloride	117	4.722	4.722	(0.926)	29233	5.00000	4.445
40 1,2-Dichloroethane	62	4.876	4.876	(0.956)	38772	5.00000	4.854
41 Benzene	78	4.876	4.876	(0.956)	137196	5.00000	4.944
42 Trichloroethene	130	5.408	5.408	(1.060)	30585	5.00000	4.497
43 1,2-Dichloropropane	63	5.585	5.585	(1.095)	37708	5.00000	5.002
44 1,4-Dioxane	88	5.704	5.704	(1.118)	9294	250.000	249.19
45 Dibromomethane	93	5.692	5.692	(1.116)	12197	5.00000	4.712
46 Bromodichloromethane	83	5.810	5.810	(1.139)	32491	5.00000	4.690
48 cis-1,3-Dichloropropene	75	6.201	6.201	(1.216)	42760	5.00000	4.547
49 4-Methyl-2-pentanone	43	6.319	6.319	(1.239)	55899	10.0000	10.190
50 Toluene	91	6.497	6.497	(0.838)	153269	5.00000	4.906
51 trans-1,3-Dichloropropene	75	6.674	6.674	(0.861)	33985	5.00000	4.710
52 Ethyl Methacrylate	69	6.745	6.745	(0.870)	27587	5.00000	4.519
53 1,1,2-Trichloroethane	97	6.840	6.840	(0.882)	22234	5.00000	4.706
54 1,3-Dichloropropane	76	7.005	7.005	(0.904)	41725	5.00000	4.894
55 Tetrachloroethene	164	6.994	6.994	(0.902)	28190	5.00000	5.011
56 2-Hexanone	43	7.065	7.065	(0.911)	41439	10.0000	9.935
57 Dibromochloromethane	129	7.207	7.207	(0.930)	18882	5.00000	4.296
58 1,2-Dibromoethane	107	7.325	7.325	(0.945)	19696	5.00000	4.673
59 Chlorobenzene	112	7.775	7.775	(1.003)	97296	5.00000	4.771
60 1,1,1,2-Tetrachloroethane	131	7.846	7.846	(1.012)	27795	5.00000	4.732
61 Ethylbenzene	91	7.869	7.869	(1.015)	164790	5.00000	4.663
62 m + p-Xylene	91	7.976	7.976	(1.029)	255043	10.0000	9.260
64 Xylene-o	91	8.354	8.354	(1.078)	129538	5.00000	4.637
65 Styrene	104	8.366	8.366	(1.079)	94256	5.00000	4.342
66 Bromoform	173	8.544	8.544	(1.102)	9875	5.00000	7.338
67 Isopropylbenzene	105	8.698	8.698	(1.122)	146946	5.00000	4.564
68 1,1,2,2-Tetrachloroethane	83	8.982	8.982	(0.900)	23020	5.00000	5.109
69 1,4-Dichloro-2-butene	53	9.029	9.029	(0.905)	4403	5.00000	4.274
70 1,2,3-Trichloropropane	110	9.017	9.017	(0.904)	7102	5.00000	5.072
71 Bromobenzene	156	9.005	9.005	(0.903)	37983	5.00000	5.409
72 n-Propylbenzene	91	9.100	9.100	(0.912)	170074	5.00000	4.659
73 2-Chlorotoluene	126	9.183	9.183	(0.921)	37192	5.00000	4.918
74 1,3,5-Trimethylbenzene	105	9.265	9.265	(0.929)	118566	5.00000	4.740
75 4-Chlorotoluene	126	9.289	9.289	(0.931)	39250	5.00000	5.202
76 tert-Butylbenzene	119	9.585	9.585	(0.961)	113137	5.00000	4.951
77 1,2,4-Trimethylbenzene	105	9.632	9.632	(0.966)	125769	5.00000	4.968
78 sec-Butylbenzene	105	9.798	9.798	(0.982)	159853	5.00000	4.946
79 4-Isopropyltoluene	119	9.940	9.940	(0.996)	124219	5.00000	4.785
80 1,3-Dichlorobenzene	146	9.916	9.916	(0.994)	69955	5.00000	5.152

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93575.D
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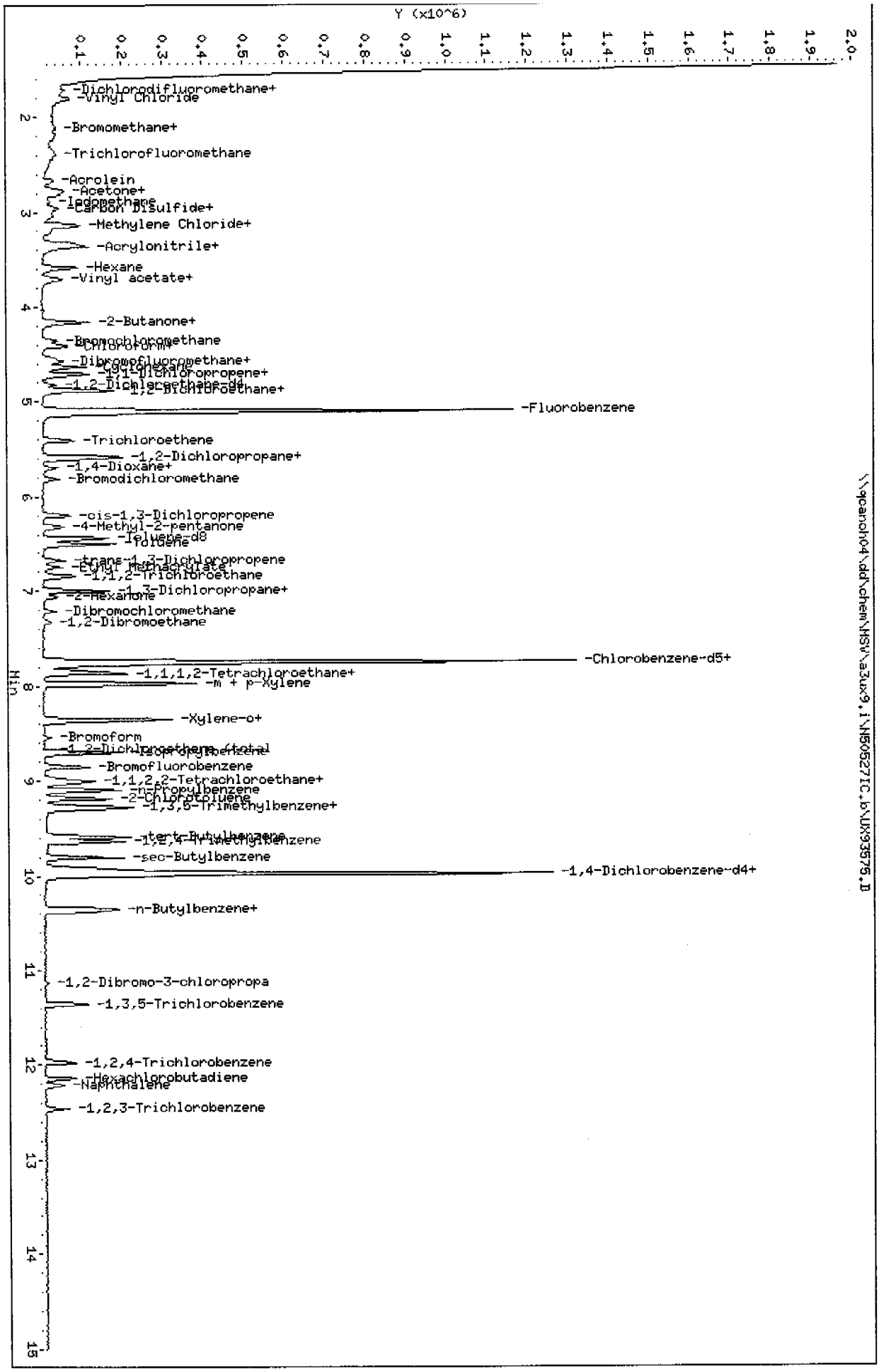
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
81 1,4-Dichlorobenzene	146	9.999	9.999	(1.002)	70473	5.00000	5.113
82 n-Butylbenzene	91	10.342	10.342	(1.037)	102051	5.00000	4.631
83 1,2-Dichlorobenzene	146	10.378	10.378	(1.040)	60046	5.00000	4.975
84 1,2-Dibromo-3-chloropropane	157	11.135	11.135	(1.116)	3129	5.00000	6.623
85 1,2,4-Trichlorobenzene	180	11.975	11.975	(1.200)	32682	5.00000	5.005
86 Hexachlorobutadiene	225	12.141	12.141	(1.217)	17844	5.00000	5.236
87 Naphthalene	128	12.212	12.212	(1.224)	43424	5.00000	7.087
88 1,2,3-Trichlorobenzene	180	12.460	12.460	(1.249)	23267	5.00000	4.696
98 Cyclohexane	56	4.627	4.627	(0.907)	72030	5.00000	4.468
143 Methyl Acetate	43	3.053	3.053	(0.599)	49268	10.0000	11.238
144 Methylcyclohexane	83	5.585	5.585	(1.095)	56038	5.00000	4.513
141 1,3,5-Trichlorobenzene	180	11.360	11.360	(1.139)	43915	5.00000	4.986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Date : 27-MAY-2005 11:15
Client ID:
Sample Info: 10NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18
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Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane+
-m + p-Xylene
-Xylene-o+
-Bromoform
-1,2-Dichloroethene (total
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene

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STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93576.D
Lab Smp Id: 5NG-IC
Inj Date : 27-MAY-2005 11:37
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 2.5NG-IC
Misc Info : N50527IC,8260MIUX9,2-8260.SUB,1819,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
Meth Date : 27-May-2005 20:28 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 23:03 Cal File: UX93516.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

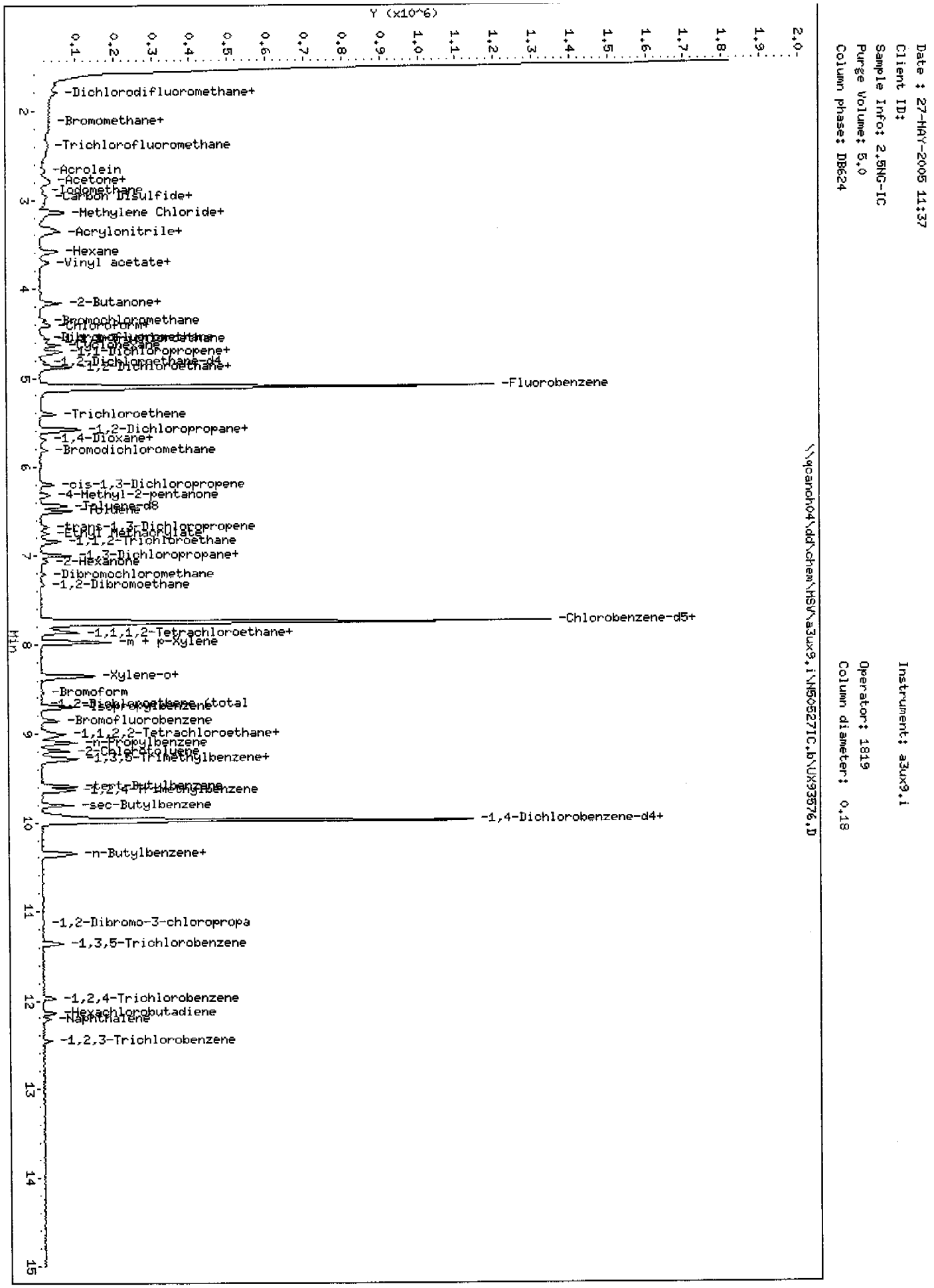
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.098	5.098	(1.000)	1247903	50.0000	
* 2 Chlorobenzene-d5	117	7.749	7.749	(1.000)	910895	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.985	9.985	(1.000)	379131	50.0000	
$ 4 Dibromofluoromethane	113	4.542	4.542	(0.891)	12508	2.50000	2.444
$ 5 1,2-Dichloroethane-d4	65	4.826	4.826	(0.947)	13357	2.50000	2.289
$ 6 Toluene-d8	98	6.435	6.435	(0.831)	57762	2.50000	2.321
$ 7 Bromofluorobenzene	95	8.849	8.849	(1.142)	22873	2.50000	2.389
8 Dichlorodifluoromethane	85	1.608	1.608	(0.315)	8476	2.50000	1.972
9 Chloromethane	50	1.714	1.714	(0.336)	23045	2.50000	2.447
10 Vinyl Chloride	62	1.809	1.809	(0.355)	16333	2.50000	2.235
11 Bromomethane	94	2.116	2.116	(0.415)	6291	2.50000	2.363
12 Chloroethane	64	2.199	2.199	(0.431)	8219	2.50000	2.282
13 Trichlorofluoromethane	101	2.389	2.389	(0.469)	12829	2.50000	2.112
15 Acrolein	56	2.673	2.673	(0.524)	19016	25.0000	26.088
16 Acetone	43	2.791	2.791	(0.547)	20056	5.00000	1.536
17 1,1-Dichloroethene	61	2.767	2.767	(0.543)	21277	2.50000	2.193
18 Freon-113	151	2.803	2.803	(0.550)	10603	2.50000	2.492
19 Iodomethane	142	2.897	2.897	(0.568)	18418	2.50000	2.227
20 Carbon Disulfide	76	2.957	2.957	(0.580)	44183	2.50000	2.294
21 Methylene Chloride	84	3.134	3.134	(0.615)	38814	2.50000	1.614
22 Acetonitrile	41	3.004	3.004	(0.589)	21323	25.0000	28.538
23 Acrylonitrile	53	3.335	3.335	(0.654)	50522	25.0000	25.998

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93576.D
Report Date: 27-May-2005 20:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.359	3.359	(0.659)	18389	2.50000	2.367
25 trans-1,2-Dichloroethene	61	3.359	3.359	(0.659)	23359	2.50000	2.263
26 Hexane	57	3.584	3.584	(0.703)	30224	2.50000	2.516
27 Vinyl acetate	43	3.714	3.714	(0.728)	32392	2.50000	2.688
28 1,1-Dichloroethane	63	3.702	3.702	(0.726)	27707	2.50000	2.248
29 tert-Butyl Alcohol	59	3.217	3.217	(0.631)	11438	50.0000	50.543
30 2-Butanone	43	4.164	4.164	(0.817)	18739	5.00000	6.254
32 cis-1,2-dichloroethene	61	4.164	4.164	(0.817)	25339	2.50000	2.300
33 2,2-Dichloropropane	77	4.164	4.164	(0.817)	14410	2.50000	2.205
34 Bromochloromethane	128	4.353	4.353	(0.854)	6117	2.50000	2.255
35 Chloroform	83	4.412	4.412	(0.865)	21828	2.50000	2.263
36 Tetrahydrofuran	42	4.400	4.400	(0.863)	8188	2.50000	1.261
37 1,1,1-Trichloroethane	97	4.578	4.578	(0.898)	18008	2.50000	2.245
38 1,1-Dichloropropene	75	4.708	4.708	(0.923)	18593	2.50000	2.273
39 Carbon Tetrachloride	117	4.720	4.720	(0.926)	14787	2.50000	2.248
40 1,2-Dichloroethane	62	4.885	4.885	(0.958)	19392	2.50000	2.427
41 Benzene	78	4.873	4.873	(0.956)	66247	2.50000	2.387
42 Trichloroethene	130	5.406	5.406	(1.060)	16222	2.50000	2.384
43 1,2-Dichloropropane	63	5.595	5.595	(1.097)	18051	2.50000	2.394
44 1,4-Dioxane	88	5.714	5.714	(1.121)	4060	125.000	108.83
45 Dibromomethane	93	5.702	5.702	(1.118)	5365	2.50000	2.072
46 Bromodichloromethane	83	5.820	5.820	(1.142)	14976	2.50000	2.161
48 cis-1,3-Dichloropropene	75	6.199	6.199	(1.216)	20139	2.50000	2.141
49 4-Methyl-2-pentanone	43	6.317	6.317	(1.239)	26226	5.00000	4.780
50 Toluene	91	6.506	6.506	(0.840)	73085	2.50000	2.394
51 trans-1,3-Dichloropropene	75	6.672	6.672	(0.861)	14035	2.50000	1.990
52 Ethyl Methacrylate	69	6.755	6.755	(0.872)	12385	2.50000	2.076
53 1,1,2-Trichloroethane	97	6.850	6.850	(0.884)	12307	2.50000	2.665
54 1,3-Dichloropropane	76	7.003	7.003	(0.904)	20516	2.50000	2.462
55 Tetrachloroethene	164	7.003	7.003	(0.904)	13298	2.50000	2.418
56 2-Hexanone	43	7.063	7.063	(0.911)	18606	5.00000	4.564
57 Dibromochloromethane	129	7.216	7.216	(0.931)	9212	2.50000	2.144
58 1,2-Dibromoethane	107	7.323	7.323	(0.945)	9473	2.50000	2.299
59 Chlorobenzene	112	7.773	7.773	(1.003)	48199	2.50000	2.418
60 1,1,1,2-Tetrachloroethane	131	7.844	7.844	(1.012)	12203	2.50000	2.125
61 Ethylbenzene	91	7.867	7.867	(1.015)	79517	2.50000	2.302
62 m + p-Xylene	91	7.974	7.974	(1.029)	120592	5.00000	4.479
64 Xylene-o	91	8.352	8.352	(1.078)	62817	2.50000	2.300
65 Styrene	104	8.364	8.364	(1.079)	42669	2.50000	2.011
66 Bromoform	173	8.542	8.542	(1.102)	4354	2.50000	5.427
67 Isopropylbenzene	105	8.695	8.695	(1.122)	68816	2.50000	2.187
68 1,1,2,2-Tetrachloroethane	83	8.979	8.979	(0.899)	10667	2.50000	2.397
69 1,4-Dichloro-2-butene	53	9.015	9.015	(0.903)	2705	2.50000	2.659
70 1,2,3-Trichloropropane	110	9.027	9.027	(0.904)	3209	2.50000	2.321
71 Bromobenzene	156	9.003	9.003	(0.902)	16861	2.50000	2.432
72 n-Propylbenzene	91	9.098	9.098	(0.911)	81419	2.50000	2.259
73 2-Chlorotoluene	126	9.192	9.192	(0.921)	17575	2.50000	2.353
74 1,3,5-Trimethylbenzene	105	9.263	9.263	(0.928)	55435	2.50000	2.244
75 4-Chlorotoluene	126	9.287	9.287	(0.930)	16375	2.50000	2.198
76 tert-Butylbenzene	119	9.583	9.583	(0.960)	53675	2.50000	2.379
77 1,2,4-Trimethylbenzene	105	9.630	9.630	(0.964)	55425	2.50000	2.217
78 sec-Butylbenzene	105	9.796	9.796	(0.981)	72468	2.50000	2.270
79 4-Isopropyltoluene	119	9.938	9.938	(0.995)	60941	2.50000	2.377
80 1,3-Dichlorobenzene	146	9.914	9.914	(0.993)	31956	2.50000	2.383

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93576.D
Report Date: 27-May-2005 20:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
81 1,4-Dichlorobenzene	146	10.009	10.009	(1.002)	33461	2.50000	2.458
82 n-Butylbenzene	91	10.352	10.352	(1.037)	47519	2.50000	2.184
83 1,2-Dichlorobenzene	146	10.376	10.376	(1.039)	29379	2.50000	2.465
84 1,2-Dibromo-3-chloropropane	157	11.133	11.133	(1.115)	989	2.50000	3.466
85 1,2,4-Trichlorobenzene	180	11.973	11.973	(1.199)	13149	2.50000	2.039
86 Hexachlorobutadiene	225	12.139	12.139	(1.216)	9119	2.50000	2.710
87 Naphthalene	128	12.210	12.210	(1.223)	17747	2.50000	5.054
88 1,2,3-Trichlorobenzene	180	12.458	12.458	(1.248)	10209	2.50000	2.087
98 Cyclohexane	56	4.637	4.637	(0.909)	39321	2.50000	2.438
143 Methyl Acetate	43	3.051	3.051	(0.599)	24860	5.00000	5.669
144 Methylcyclohexane	83	5.583	5.583	(1.095)	30676	2.50000	2.470
141 1,3,5-Trichlorobenzene	180	11.358	11.358	(1.137)	21841	2.50000	2.511


Data File: \\qcanch04\dd\chem\HSV\a3ux9.i\N50527IC.b\UX93576.D
Date : 27-MAY-2005 11:37
Client ID:
Sample Info: 2.5NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18
\\qcanch04\dd\chem\HSV\a3ux9.i\N50527IC.b\UX93576.D
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform
-Dibromofluoromethane
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane+
-m + p-Xylene
-Xylene-o+
-Bromoform
-1,2-Dichloroethene (total
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93577.D
Report Date: 27-May-2005 20:28

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93577.D
Lab Smp Id: HCJFM1AC
Inj Date : 27-MAY-2005 11:59
Operator : 1819 Inst ID: a3ux9.i
Smp Info : ICV/CHECK
Misc Info : N50527IC,8260MIUX9,2-8260.SUB,1819,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
Meth Date : 27-May-2005 20:28 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 8 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.099	5.097	(1.000)	1263401	50.0000	
* 2 Chlorobenzene-d5	117	7.750	7.747	(1.000)	940747	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.974	9.983	(1.000)	400211	50.0000	
$ 4 Dibromofluoromethane	113	4.543	4.540	(0.891)	255233	49.2692	9.854
$ 5 1,2-Dichloroethane-d4	65	4.815	4.813	(0.944)	295287	49.9927	9.998
$ 6 Toluene-d8	98	6.436	6.445	(0.831)	1270141	49.4265	9.885
$ 7 Bromofluorobenzene	95	8.850	8.848	(1.142)	475889	48.1371	9.627
8 Dichlorodifluoromethane	85	1.585	1.594	(0.311)	252601	58.0575	11.612
9 Chloromethane	50	1.715	1.712	(0.336)	525258	55.0991	11.020
10 Vinyl Chloride	62	1.810	1.807	(0.355)	420572	56.8415	11.368
11 Bromomethane	94	2.094	2.103	(0.411)	157837	58.5507	11.710
12 Chloroethane	64	2.200	2.186	(0.432)	204690	56.1372	11.227
13 Trichlorofluoromethane	101	2.378	2.375	(0.466)	341719	55.5682	11.114
15 Acrolein	56	2.674	2.671	(0.524)	464051	628.832	125.77(A)
16 Acetone	43	2.792	2.789	(0.548)	86355	33.2224	6.644
17 1,1-Dichloroethene	61	2.768	2.765	(0.543)	534746	54.4314	10.886
18 Freon-113	151	2.816	2.813	(0.552)	248210	57.6254	11.525
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.958	2.955	(0.580)	1046507	53.6745	10.735
21 Methylene Chloride	84	3.135	3.144	(0.615)	342720	50.7572	10.151
22 Acetonitrile	41	3.005	3.014	(0.589)	347007	458.732	91.746(A)
23 Acrylonitrile	53	3.324	3.322	(0.652)	914810	464.970	92.994(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93577.D
Report Date: 27-May-2005 20:28

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.360	3.357	(0.659)	373677	47.5134	9.503
	25 trans-1,2-Dichloroethene	61	3.360	3.369	(0.659)	533774	51.0821	10.216
	26 Hexane	57	3.585	3.582	(0.703)	663312	54.5349	10.907
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.691	3.688	(0.724)	637493	51.0787	10.216
	29 tert-Butyl Alcohol	59	3.206	3.203	(0.629)	7339	32.0324	6.406
	30 2-Butanone	43	4.153	4.150	(0.814)	109749	36.1782	7.236
M	31 1,2-Dichloroethene (total)	61				1036611	96.1611	19.232
	32 cis-1,2-dichloroethene	61	4.165	4.162	(0.817)	502837	45.0789	9.016
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.413	4.410	(0.865)	490510	50.2290	10.046
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.579	4.576	(0.898)	409541	50.4317	10.086
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.721	4.718	(0.926)	341523	51.2812	10.256
	40 1,2-Dichloroethane	62	4.886	4.884	(0.958)	395927	48.9456	9.789
	41 Benzene	78	4.875	4.884	(0.956)	1417698	50.4556	10.091
	42 Trichloroethene	130	5.407	5.404	(1.060)	349675	50.7686	10.154
	43 1,2-Dichloropropane	63	5.584	5.593	(1.095)	376711	49.3450	9.869
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.821	5.818	(1.142)	334839	47.7333	9.547
	48 cis-1,3-Dichloropropene	75	6.200	6.197	(1.216)	463016	48.6231	9.725
	49 4-Methyl-2-pentanone	43	6.318	6.315	(1.239)	235482	42.3907	8.478
	50 Toluene	91	6.496	6.505	(0.838)	1523642	48.3161	9.663
	51 trans-1,3-Dichloropropene	75	6.673	6.682	(0.861)	353457	48.5222	9.704
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.851	6.848	(0.884)	223242	46.8053	9.361
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.004	7.002	(0.904)	280235	49.3474	9.869
	56 2-Hexanone	43	7.052	7.061	(0.910)	152539	36.2289	7.246
	57 Dibromochloromethane	129	7.206	7.215	(0.930)	205651	46.3527	9.270
	58 1,2-Dibromoethane	107	7.324	7.321	(0.945)	202876	47.6808	9.536
	59 Chlorobenzene	112	7.774	7.771	(1.003)	992283	48.2040	9.641
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	7.868	7.865	(1.015)	1724392	48.3345	9.667
	62 m + p-Xylene	91	7.975	7.972	(1.029)	2708773	97.4230	19.485
M	63 Xylenes (total)	91				4062418	145.423	29.085
	64 Xylene-o	91	8.353	8.351	(1.078)	1353645	48.0004	9.600
	65 Styrene	104	8.365	8.362	(1.079)	1055922	48.1840	9.637
	66 Bromoform	173	8.543	8.540	(1.102)	110186	42.3478	8.470
	67 Isopropylbenzene	105	8.697	8.706	(1.122)	1652894	50.8589	10.172
	68 1,1,2,2-Tetrachloroethane	83	8.981	8.978	(0.900)	219657	46.7675	9.354
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					
	77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	78 sec-Butylbenzene	105	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93577.D
Report Date: 27-May-2005 20:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.915	9.912	(0.994)	676676	47.8044	9.561
81 1,4-Dichlorobenzene	146	9.998	10.007	(1.002)	687618	47.8564	9.571
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.377	10.374	(1.040)	594794	47.2732	9.455
84 1,2-Dibromo-3-chloropropane	157	11.134	11.143	(1.116)	26535	39.7462	7.949
85 1,2,4-Trichlorobenzene	180	11.974	11.971	(1.200)	292277	42.9418	8.588
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.626	4.635	(0.907)	809335	49.5756	9.915
143 Methyl Acetate	43	3.052	3.049	(0.599)	198018	44.6025	8.920
144 Methylcyclohexane	83	5.584	5.582	(1.095)	626328	49.8143	9.963
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93577.D
Report Date: 27-May-2005 20:28

STL North Canton

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: HCJFM1AC
Level: LOW
Data Type: MS DATA
SpikeList File: plexus-ck.spk
Sublist File: 2-8260.SUB
Method File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
Misc Info: N50527IC,8260MIUX9,2-8260.SUB,1819,3

Client SDG: SDGa01252
Fraction: VOA

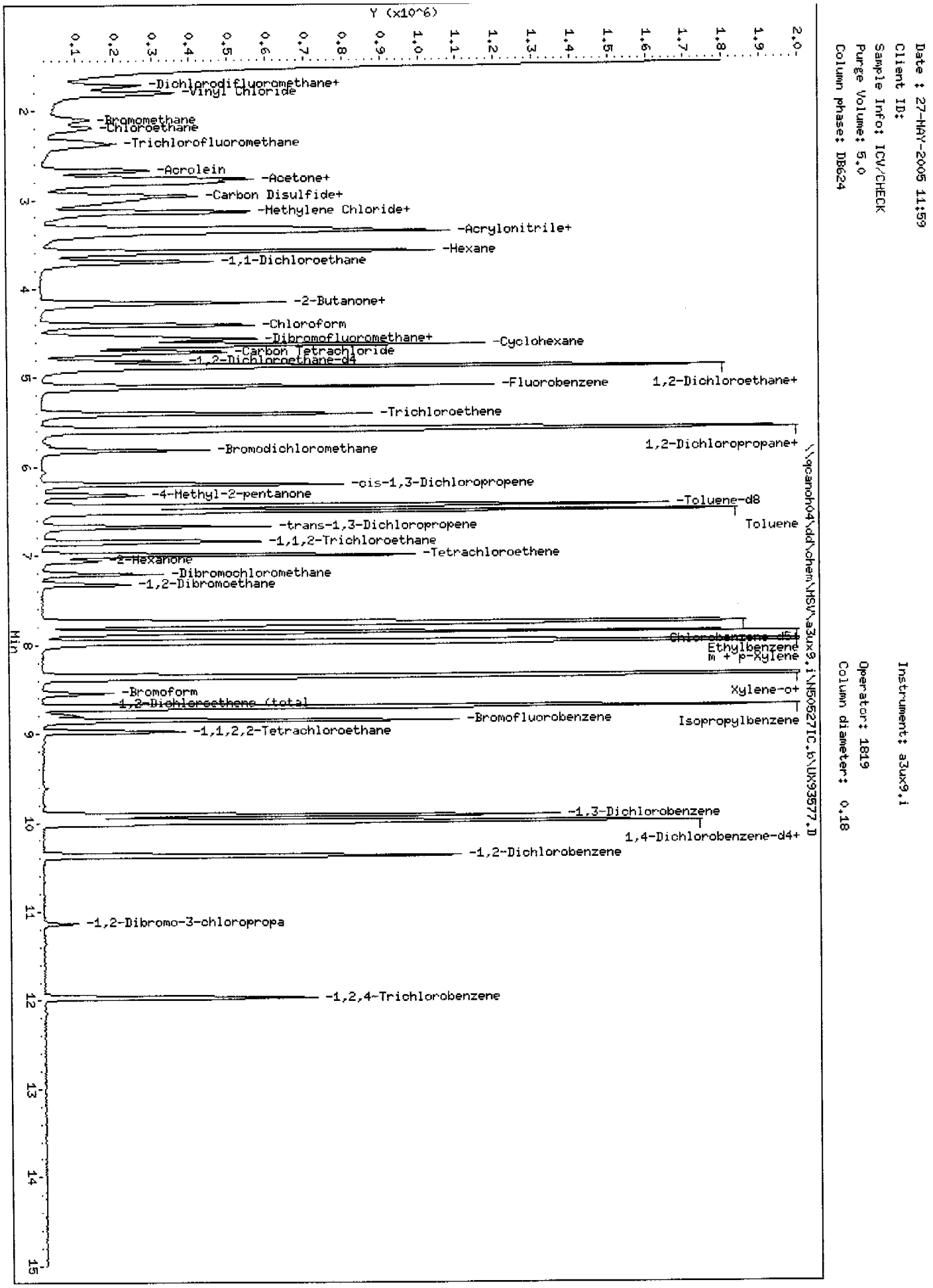
Operator: 1819
SampleType: METHSPIKE
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17 1,1-Dichloroethene	10.000	10.886	108.86	45-155
	42 Trichloroethene	10.000	10.154	101.54	45-155
	59 Chlorobenzene	10.000	9.641	96.41	45-155
	50 Toluene	10.000	9.663	96.63	45-155
	41 Benzene	10.000	10.091	100.91	45-155
	16 Acetone	10.000	6.644	66.44	45-155
	20 Carbon Disulfide	10.000	10.735	107.35	45-155
	9 Chloromethane	10.000	11.020	110.20	45-155
	11 Bromomethane	10.000	11.710	117.10	45-155
	10 Vinyl Chloride	10.000	11.368	113.68	45-155
	12 Chloroethane	10.000	11.227	112.27	45-155
	21 Methylene Chloride	10.000	10.151	101.51	45-155
	28 1,1-Dichloroethane	10.000	10.216	102.16	45-155
M	31 1,2-Dichloroethene	20.000	19.232	96.16	45-155
	35 Chloroform	10.000	10.046	100.46	45-155
	40 1,2-Dichloroethane	10.000	9.789	97.89	45-155
	30 2-Butanone	10.000	7.236	72.36	45-155
	37 1,1,1-Trichloroeth	10.000	10.086	100.86	45-155
	39 Carbon Tetrachlori	10.000	10.256	102.56	45-155
	46 Bromodichlorometha	10.000	9.547	95.47	45-155
	43 1,2-Dichloropropan	10.000	9.869	98.69	45-155
	48 cis-1,3-Dichloropr	10.000	9.725	97.25	45-155
	57 Dibromochlorometha	10.000	9.270	92.71	45-155
	53 1,1,2-Trichloroeth	10.000	9.361	93.61	45-155
	51 trans-1,3-Dichloro	10.000	9.704	97.04	45-155
	66 Bromoform	10.000	8.470	84.70	45-155
	49 4-Methyl-2-pentano	10.000	8.478	84.78	45-155
	56 2-Hexanone	10.000	7.246	72.46	45-155
	55 Tetrachloroethene	10.000	9.869	98.69	45-155
	68 1,1,2,2-Tetrachlor	10.000	9.354	93.54	45-155
	61 Ethylbenzene	10.000	9.667	96.67	45-155
	65 Styrene	10.000	9.637	96.37	45-155
M	63 Xylenes (total)	30.000	29.085	96.95	45-155
	32 cis-1,2-dichloroet	10.000	9.016	90.16	45-155
	25 trans-1,2-Dichloro	10.000	10.216	102.16	45-155
	8 Dichlorodifluorome	10.000	11.612	116.12	45-155
	13 Trichlorofluoromet	10.000	11.114	111.14	45-155
	18 Freon-113	10.000	11.525	115.25	45-155
	24 Methyl tert-butyl	10.000	9.503	95.03	45-155
	58 1,2-Dibromoethane	10.000	9.536	95.36	45-155

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93577.D
Report Date: 27-May-2005 20:28

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
67 Isopropylbenzene	10.000	10.172	101.72	45-155
80 1,3-Dichlorobenzen	10.000	9.561	95.61	45-155
81 1,4-Dichlorobenzen	10.000	9.571	95.71	45-155
83 1,2-Dichlorobenzen	10.000	9.455	94.55	45-155
84 1,2-Dibromo-3-chlo	10.000	7.949	79.49	45-155
85 1,2,4-Trichloroben	10.000	8.588	85.88	45-155
98 Cyclohexane	10.000	9.915	99.15	45-155
143 Methyl Acetate	10.000	8.920	89.21	45-155
144 Methylcyclohexane	10.000	9.963	99.63	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	9.854	98.54	73-122
$ 5 1,2-Dichloroethane	10.000	9.998	99.99	61-128
$ 6 Toluene-d8	10.000	9.885	98.85	76-110
$ 7 Bromofluorobenzene	10.000	9.627	96.27	74-116


Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93577.D
Date : 27-MAY-2005 11:59
Client ID:
Sample Info: ICV/CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-Fluorobenzene
1,2-Dichloroethane+
-Trichloroethene
1,2-Dichloropropane+
-Bromodichloromethane
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene
m + p-Xylene
Xylene-o+
-Bromoform
-1,2-Dichloroethene (total)
-Bromofluorobenzene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93577.D

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50606A.b\8260MIUX9.m
Start Cal Date: 25-MAY-2005 17:29
End Cal Date : 27-MAY-2005 11:37
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 2.50000		
25-MAY-2005 23:25	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93517.D
27-MAY-2005 11:37	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93576.D
Cal Level: 2 , Cal Amount: 10.00000		
25-MAY-2005 23:03	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93516.D
27-MAY-2005 11:15	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93575.D
Cal Level: 3 , Cal Amount: 25.00000		
25-MAY-2005 22:41	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93515.D
27-MAY-2005 10:53	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93574.D
Cal Level: 4 , Cal Amount: 50.00000		
25-MAY-2005 22:18	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93514.D
27-MAY-2005 10:31	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93573.D
Cal Level: 5 , Cal Amount: 100.00000		
25-MAY-2005 21:56	3-IX	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93513.D
27-MAY-2005 10:09	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93572.D
Cal Level: 6 , Cal Amount: 250.00000		
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27-MAY-2005 09:47	2-8260	

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Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4
+-----------------+-----------------+-----------------------------------------+
|06-JUN-2005 08:25 |2-8260           |                                         |
|\\QCANOH04\DD\chem\MSV\a3ux9.i\N50606A.b\UX93816.D                            |
|06-JUN-2005 08:03 |3-IX             |                                         |
|\\QCANOH04\DD\chem\MSV\a3ux9.i\N50606A.b\UX93815.D                            |
+-----------------+-----------------+-----------------------------------------+
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Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50606A.b\UX93816.D
Report Date: 06-Jun-2005 08:41

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux9.i Injection Date: 06-JUN-2005 08:25
Lab File ID: UX93816.D Init. Cal. Date(s): 25-MAY-2005 27-MAY-2005
Analysis Type: WATER Init. Cal. Times: 17:29 11:37
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50606A.b\8260MIUX9.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 4 Dibromofluoromethane	0.20502	0.21446	0.21446	0.010	-4.60601	50.00000	Averaged	
$ 5 1,2-Dichloroethane-d4	0.23376	0.25359	0.25359	0.010	-8.48322	50.00000	Averaged	
$ 6 Toluene-d8	1.36581	1.38296	1.38296	0.010	-1.25614	50.00000	Averaged	
$ 7 Bromofluorobenzene	0.52544	0.53449	0.53449	0.010	-1.72287	50.00000	Averaged	
8 Dichlorodifluoromethane	0.17219	0.17267	0.17267	0.010	-0.27844	50.00000	Averaged	
9 Chloromethane	0.37727	0.36514	0.36514	0.100	3.21615	50.00000	Averaged	
10 Vinyl Chloride	0.29282	0.27492	0.27492	0.010	6.11242	20.00000	Averaged	
11 Bromomethane	0.10669	0.11001	0.11001	0.010	-3.12027	50.00000	Averaged	
12 Chloroethane	0.14430	0.14596	0.14596	0.010	-1.14966	50.00000	Averaged	
13 Trichlorofluoromethane	0.24337	0.23872	0.23872	0.010	1.91177	50.00000	Averaged	
15 Acrolein	0.02921	0.02807	0.02807	0.010	3.87431	50.00000	Averaged	
16 Acetone	100	132	0.11606	0.010	-32.48458	0.000e+000	Wt Linear	
17 1,1-Dichloroethene	0.38880	0.41952	0.41952	0.010	-7.89974	20.00000	Averaged	
18 Freon-113	0.17046	0.18375	0.18375	0.010	-7.79117	50.00000	Averaged	
19 Iodomethane	0.33139	0.34333	0.34333	0.010	-3.60172	50.00000	Averaged	
20 Carbon Disulfide	0.77162	0.81516	0.81516	0.010	-5.64262	50.00000	Averaged	
21 Methylene Chloride	50.00000	52.04859	0.27758	0.010	-4.09719	0.000e+000	Wt Linear	
22 Acetonitrile	0.02994	0.03096	0.03096	0.010	-3.42013	50.00000	Averaged	
23 Acrylonitrile	0.07786	0.08446	0.08446	0.010	-8.47027	50.00000	Averaged	
24 Methyl tert-butyl ether	0.31125	0.17748	0.17748	0.010	42.97842	50.00000	Averaged	
25 trans-1,2-Dichloroethene	0.41354	0.43380	0.43380	0.010	-4.90016	50.00000	Averaged	
26 Hexane	0.48136	0.48876	0.48876	0.010	-1.53743	20.00000	Averaged	
27 Vinyl acetate	0.48285	0.50482	0.50482	0.010	-4.55038	50.00000	Averaged	
28 1,1-Dichloroethane	0.49393	0.51204	0.51204	0.100	-3.66580	50.00000	Averaged	
29 tert-Butyl Alcohol	0.00907	0.00518	0.00518	0.010	42.88583	50.00000	Averaged	<-
30 2-Butanone	0.12006	0.13708	0.13708	0.010	-14.18243	50.00000	Averaged	
M 31 1,2-Dichloroethene (total)	0.42750	0.44194	0.44194	0.010	-3.37834	50.00000	Averaged	
32 cis-1,2-dichloroethene	0.44145	0.45007	0.45007	0.010	-1.95233	50.00000	Averaged	
33 2,2-Dichloropropane	0.26183	0.22611	0.22611	0.010	13.64201	50.00000	Averaged	
34 Bromochloromethane	0.10868	0.11301	0.11301	0.010	-3.98745	50.00000	Averaged	
35 Chloroform	0.38648	0.38976	0.38976	0.010	-0.84879	20.00000	Averaged	
36 Tetrahydrofuran	50.00000	48.60895	0.06451	0.010	2.78210	0.000e+000	Wt Linear	
37 1,1,1-Trichloroethane	0.32138	0.32115	0.32115	0.010	0.07339	50.00000	Averaged	
38 1,1-Dichloropropene	0.32769	0.34518	0.34518	0.010	-5.33610	50.00000	Averaged	
39 Carbon Tetrachloride	0.26357	0.26033	0.26033	0.010	1.22988	50.00000	Averaged	
40 1,2-Dichloroethane	0.32013	0.33012	0.33012	0.010	-3.12085	50.00000	Averaged	
41 Benzene	1.11200	1.14073	1.14073	0.010	-2.58421	50.00000	Averaged	
42 Trichloroethene	0.27258	0.28699	0.28699	0.010	-5.28552	50.00000	Averaged	
43 1,2-Dichloropropane	0.30213	0.30469	0.30469	0.010	-0.84829	20.00000	Averaged	
44 1,4-Dioxane	0.00149	0.00151	0.00151	0.010	-0.82840	50.00000	Averaged	<-
45 Dibromomethane	0.10374	0.11497	0.11497	0.010	-10.82218	50.00000	Averaged	
46 Bromodichloromethane	0.27762	0.27749	0.27749	0.010	0.04598	50.00000	Averaged	
48 cis-1,3-Dichloropropene	0.37686	0.36453	0.36453	0.010	3.27119	50.00000	Averaged	

|_____|_____|_____|_____|____|_____|_____|_____|

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50606A.b\UX93816.D
Report Date: 06-Jun-2005 08:41

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux9.i Injection Date: 06-JUN-2005 08:25
Lab File ID: UX93816.D Init. Cal. Date(s): 25-MAY-2005 27-MAY-2005
Analysis Type: WATER Init. Cal. Times: 17:29 11:37
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50606A.b\8260MIUX9.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
49 4-Methyl-2-pentanone	0.21984	0.24350	0.24350	0.010	-10.75849	50.00000	Averaged
50 Toluene	1.67605	1.64537	1.64537	0.010	1.83052	20.00000	Averaged
51 trans-1,3-Dichloropropene	0.38716	0.35510	0.35510	0.010	8.28190	50.00000	Averaged
52 Ethyl Methacrylate	0.32751	0.33805	0.33805	0.010	-3.21998	50.00000	Averaged
53 1,1,2-Trichloroethane	0.25350	0.25069	0.25069	0.010	1.10718	50.00000	Averaged
54 1,3-Dichloropropane	0.45745	0.45947	0.45947	0.010	-0.44271	50.00000	Averaged
55 Tetrachloroethene	0.30182	0.29117	0.29117	0.010	3.53075	50.00000	Averaged
56 2-Hexanone	0.22378	0.27054	0.27054	0.010	-20.89615	50.00000	Averaged
57 Dibromochloromethane	0.23581	0.22704	0.22704	0.010	3.71641	50.00000	Averaged
58 1,2-Dibromoethane	0.22614	0.23111	0.23111	0.010	-2.19652	50.00000	Averaged
59 Chlorobenzene	1.09408	1.05758	1.05758	0.300	3.33649	50.00000	Averaged
60 1,1,1,2-Tetrachloroethane	0.31516	0.30941	0.30941	0.010	1.82455	50.00000	Averaged
61 Ethylbenzene	1.89616	1.84698	1.84698	0.010	2.59370	20.00000	Averaged
62 m + p-Xylene	1.47777	1.45466	1.45466	0.010	1.56387	50.00000	Averaged
M 63 Xylenes (total)	1.48480	1.46072	1.46072	0.010	1.62190	50.00000	Averaged
64 Xylene-o	1.49885	1.47282	1.47282	0.010	1.73640	50.00000	Averaged
65 Styrene	1.16473	1.19415	1.19415	0.010	-2.52588	50.00000	Averaged
66 Bromoform	50.00000	40.41033	0.11123	0.100	19.17933	0.000e+000	Wt Linear
67 Isopropylbenzene	1.72733	1.72529	1.72529	0.010	0.11824	50.00000	Averaged
68 1,1,2,2-Tetrachloroethane	0.58679	0.59096	0.59096	0.300	-0.71004	50.00000	Averaged
69 1,4-Dichloro-2-butene	0.13416	0.06793	0.06793	0.010	49.37003	50.00000	Averaged
70 1,2,3-Trichloropropane	0.18236	0.17472	0.17472	0.010	4.18895	50.00000	Averaged
71 Bromobenzene	0.91446	0.87747	0.87747	0.010	4.04463	50.00000	Averaged
72 n-Propylbenzene	4.75363	4.64591	4.64591	0.010	2.26614	50.00000	Averaged
73 2-Chlorotoluene	0.98486	0.96272	0.96272	0.010	2.24741	50.00000	Averaged
74 1,3,5-Trimethylbenzene	3.25746	3.17067	3.17067	0.010	2.66434	50.00000	Averaged
75 4-Chlorotoluene	0.98262	0.94738	0.94738	0.010	3.58624	50.00000	Averaged
76 tert-Butylbenzene	2.97580	2.80960	2.80960	0.010	5.58485	50.00000	Averaged
77 1,2,4-Trimethylbenzene	3.29687	3.16262	3.16262	0.010	4.07200	50.00000	Averaged
78 sec-Butylbenzene	4.20909	4.01868	4.01868	0.010	4.52379	50.00000	Averaged
79 4-Isopropyltoluene	3.38074	3.14970	3.14970	0.010	6.83411	50.00000	Averaged
80 1,3-Dichlorobenzene	1.76845	1.66177	1.66177	0.010	6.03241	50.00000	Averaged
81 1,4-Dichlorobenzene	1.79510	1.65997	1.65997	0.010	7.52761	50.00000	Averaged
82 n-Butylbenzene	2.86960	2.73377	2.73377	0.010	4.73323	50.00000	Averaged
83 1,2-Dichlorobenzene	1.57193	1.48058	1.48058	0.010	5.81096	50.00000	Averaged
84 1,2-Dibromo-3-chloropropane	50.00000	39.43580	0.06576	0.010	21.12839	0.000e+000	Wt Linear
85 1,2,4-Trichlorobenzene	0.85034	0.69111	0.69111	0.010	18.72580	50.00000	Averaged
86 Hexachlorobutadiene	0.44382	0.35456	0.35456	0.010	20.11221	50.00000	Averaged
87 Naphthalene	50.00000	35.10102	1.02654	0.010	29.79796	0.000e+000	Wt Linear
88 1,2,3-Trichlorobenzene	0.64524	0.42517	0.42517	0.010	34.10722	50.00000	Averaged
98 Cyclohexane	0.64608	0.66943	0.66943	0.010	-3.61357	50.00000	Averaged
143 Methyl Acetate	0.17570	0.17740	0.17740	0.010	-0.96606	50.00000	Averaged
144 Methylcyclohexane	0.49760	0.51790	0.51790	0.010	-4.08110	50.00000	Averaged

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Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50606A.b\UX93816.D
Report Date: 06-Jun-2005 08:41

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux9.i Injection Date: 06-JUN-2005 08:25
Lab File ID: UX93816.D Init. Cal. Date(s): 25-MAY-2005 27-MAY-2005
Analysis Type: WATER Init. Cal. Times: 17:29 11:37
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50606A.b\8260MIUX9.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
141 1,3,5-Trichlorobenzene	1.14696	0.99915	0.99915	0.010	12.88767	50.00000	Averaged

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50606A.b\UX93816.D
Report Date: 06-Jun-2005 08:41

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50606A.b\UX93816.D
Lab Smp Id: 50NG-CC
Inj Date : 06-JUN-2005 08:25
Operator : 1754 Inst ID: a3ux9.i
Smp Info : 50NG-CC
Misc Info : N50606A,8260MIUX9,2-8260.SUB,1754,2
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50606A.b\8260MIUX9.m
Meth Date : 06-Jun-2005 08:41 mcdaniels Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	843872	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	641856	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	291875	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	180977	50.0000	52.303
$ 5 1,2-Dichloroethane-d4	65	4.813	4.813	(0.944)	213996	50.0000	54.242
$ 6 Toluene-d8	98	6.446	6.446	(0.832)	887664	50.0000	50.628
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	343067	50.0000	50.861
8 Dichlorodifluoromethane	85	1.583	1.583	(0.311)	145710	50.0000	50.139
9 Chloromethane	50	1.713	1.713	(0.336)	308132	50.0000	48.392
10 Vinyl Chloride	62	1.808	1.808	(0.355)	232000	50.0000	46.944
11 Bromomethane	94	2.104	2.104	(0.413)	92838	50.0000	51.560
12 Chloroethane	64	2.198	2.198	(0.431)	123173	50.0000	50.575
13 Trichlorofluoromethane	101	2.376	2.376	(0.466)	201449	50.0000	49.044
15 Acrolein	56	2.672	2.672	(0.524)	236906	500.000	480.63(A)
16 Acetone	43	2.790	2.790	(0.547)	195883	100.000	132.48
17 1,1-Dichloroethene	61	2.766	2.766	(0.543)	354017	50.0000	53.950
18 Freon-113	151	2.814	2.814	(0.552)	155058	50.0000	53.896
19 Iodomethane	142	2.896	2.896	(0.568)	289726	50.0000	51.801
20 Carbon Disulfide	76	2.956	2.956	(0.580)	687889	50.0000	52.821

21 Methylene Chloride	84	3.145	3.145 (0.617)	234241	50.0000	52.048
22 Acetonitrile	41	3.003	3.003 (0.589)	261270	500.000	517.10(A)
23 Acrylonitrile	53	3.322	3.322 (0.652)	712725	500.000	542.35(A)

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50606A.b\UX93816.D
Report Date: 06-Jun-2005 08:41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.358	3.358	(0.659)	149770	50.0000	28.511
	25 trans-1,2-Dichloroethene	61	3.370	3.370	(0.661)	366075	50.0000	52.450
	26 Hexane	57	3.583	3.583	(0.703)	412453	50.0000	50.769
	27 Vinyl acetate	43	3.713	3.713	(0.728)	426003	50.0000	52.275
	28 1,1-Dichloroethane	63	3.701	3.701	(0.726)	432092	50.0000	51.833
	29 tert-Butyl Alcohol	59	3.204	3.204	(0.629)	87403	1000.00	571.14(A)
	30 2-Butanone	43	4.151	4.151	(0.814)	231360	100.000	114.18
M	31 1,2-Dichloroethene (total)	61				745876	100.000	103.43
	32 cis-1,2-dichloroethene	61	4.162	4.162	(0.817)	379801	50.0000	50.976
	33 2,2-Dichloropropane	77	4.162	4.162	(0.817)	190806	50.0000	43.179
	34 Bromochloromethane	128	4.352	4.352	(0.854)	95367	50.0000	51.994
	35 Chloroform	83	4.411	4.411	(0.865)	328904	50.0000	50.424
	36 Tetrahydrofuran	42	4.399	4.399	(0.863)	54436	50.0000	48.609
	37 1,1,1-Trichloroethane	97	4.577	4.577	(0.898)	271007	50.0000	49.963
	38 1,1-Dichloropropene	75	4.707	4.707	(0.923)	291286	50.0000	52.668
	39 Carbon Tetrachloride	117	4.719	4.719	(0.926)	219681	50.0000	49.385
	40 1,2-Dichloroethane	62	4.884	4.884	(0.958)	278582	50.0000	51.560
	41 Benzene	78	4.872	4.872	(0.956)	962632	50.0000	51.292
	42 Trichloroethene	130	5.405	5.405	(1.060)	242183	50.0000	52.643
	43 1,2-Dichloropropane	63	5.594	5.594	(1.097)	257122	50.0000	50.424
	44 1,4-Dioxane	88	5.701	5.701	(1.118)	63590	2500.00	2520.7(A)
	45 Dibromomethane	93	5.689	5.689	(1.116)	97017	50.0000	55.411
	46 Bromodichloromethane	83	5.819	5.819	(1.142)	234164	50.0000	49.977
	48 cis-1,3-Dichloropropene	75	6.198	6.198	(1.216)	307620	50.0000	48.364
	49 4-Methyl-2-pentanone	43	6.316	6.316	(1.239)	410960	100.000	110.76
	50 Toluene	91	6.505	6.505	(0.840)	1056093	50.0000	49.085
	51 trans-1,3-Dichloropropene	75	6.671	6.671	(0.861)	227922	50.0000	45.859
	52 Ethyl Methacrylate	69	6.742	6.742	(0.870)	216981	50.0000	51.610
	53 1,1,2-Trichloroethane	97	6.849	6.849	(0.884)	160909	50.0000	49.446
	54 1,3-Dichloropropane	76	7.002	7.002	(0.904)	294914	50.0000	50.221
	55 Tetrachloroethene	164	7.002	7.002	(0.904)	186888	50.0000	48.235
	56 2-Hexanone	43	7.050	7.050	(0.910)	347299	100.000	120.90
	57 Dibromochloromethane	129	7.215	7.215	(0.931)	145728	50.0000	48.142
	58 1,2-Dibromoethane	107	7.322	7.322	(0.945)	148340	50.0000	51.098
	59 Chlorobenzene	112	7.771	7.771	(1.003)	678813	50.0000	48.332
	60 1,1,1,2-Tetrachloroethane	131	7.842	7.842	(1.012)	198596	50.0000	49.088
	61 Ethylbenzene	91	7.866	7.866	(1.015)	1185497	50.0000	48.703
	62 m + p-Xylene	91	7.973	7.973	(1.029)	1867370	100.000	98.436
M	63 Xylenes (total)	91				2812709	150.000	147.57
	64 Xylene-o	91	8.351	8.351	(1.078)	945339	50.0000	49.132
	65 Styrene	104	8.363	8.363	(1.079)	766473	50.0000	51.263
	66 Bromoform	173	8.541	8.541	(1.102)	71394	50.0000	40.410
	67 Isopropylbenzene	105	8.706	8.706	(1.124)	1107387	50.0000	49.941
	68 1,1,2,2-Tetrachloroethane	83	8.978	8.978	(0.899)	172485	50.0000	50.355
	69 1,4-Dichloro-2-butene	53	9.026	9.026	(0.904)	19826	50.0000	25.315
	70 1,2,3-Trichloropropane	110	9.026	9.026	(0.904)	50997	50.0000	47.906
	71 Bromobenzene	156	9.002	9.002	(0.902)	256112	50.0000	47.978
	72 n-Propylbenzene	91	9.097	9.097	(0.911)	1356025	50.0000	48.867
	73 2-Chlorotoluene	126	9.191	9.191	(0.921)	280995	50.0000	48.876
	74 1,3,5-Trimethylbenzene	105	9.262	9.262	(0.928)	925438	50.0000	48.668
	75 4-Chlorotoluene	126	9.286	9.286	(0.930)	276516	50.0000	48.207
	76 tert-Butylbenzene	119	9.582	9.582	(0.960)	820053	50.0000	47.208

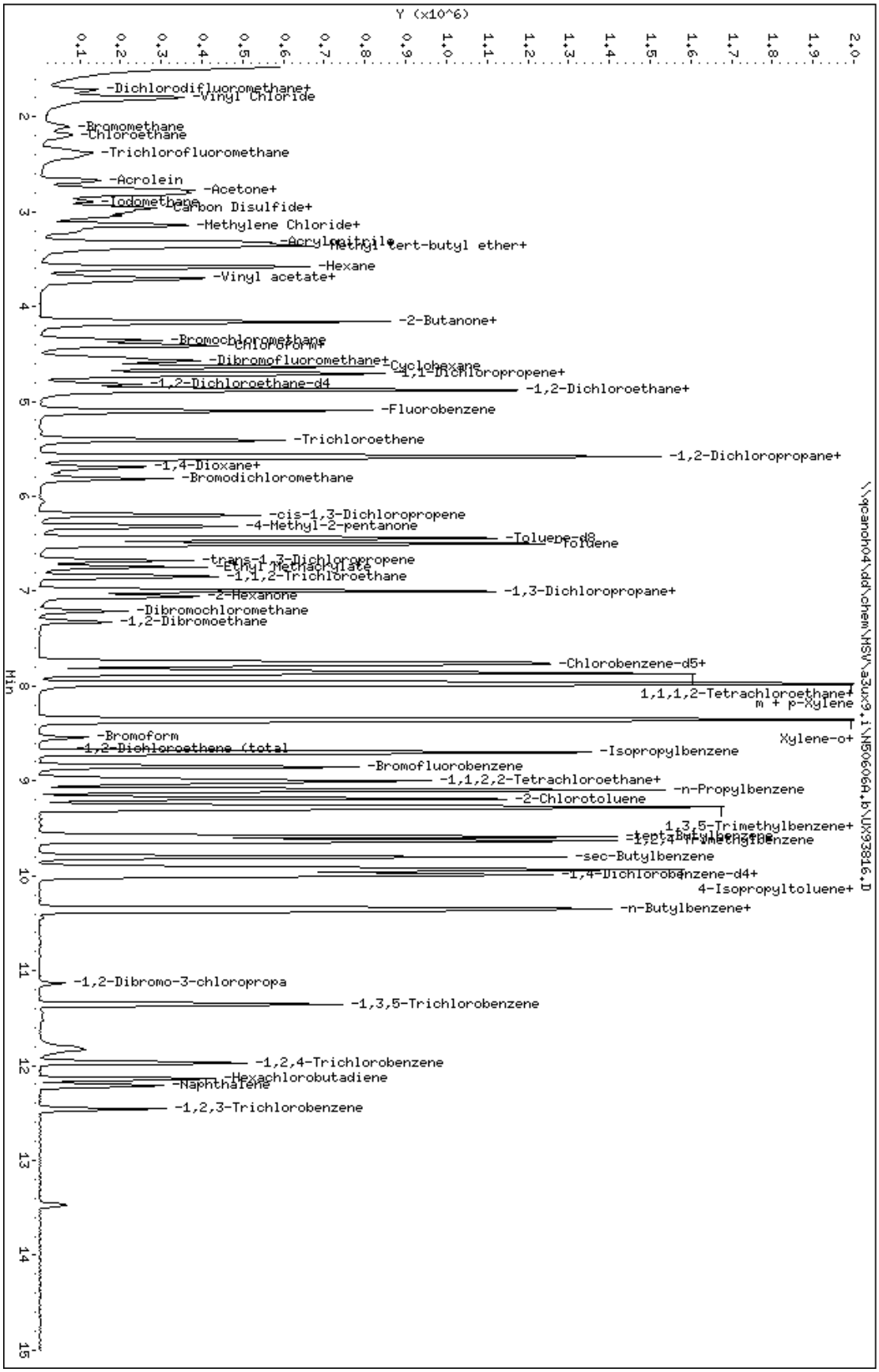
77	1,2,4-Trimethylbenzene	105	9.629	9.629 (0.964)	923091	50.0000	47.964
78	sec-Butylbenzene	105	9.807	9.807 (0.982)	1172951	50.0000	47.738

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50606A.b\UX93816.D
Report Date: 06-Jun-2005 08:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
79 4-Isopropyltoluene	119	9.937	9.937	(0.995)	919319	50.0000	46.583
80 1,3-Dichlorobenzene	146	9.913	9.913	(0.993)	485030	50.0000	46.984
81 1,4-Dichlorobenzene	146	10.008	10.008	(1.002)	484504	50.0000	46.236
82 n-Butylbenzene	91	10.339	10.339	(1.036)	797920	50.0000	47.633
83 1,2-Dichlorobenzene	146	10.375	10.375	(1.039)	432145	50.0000	47.094
84 1,2-Dibromo-3-chloropropane	157	11.132	11.132	(1.115)	19193	50.0000	39.436
85 1,2,4-Trichlorobenzene	180	11.972	11.972	(1.199)	201718	50.0000	40.637
86 Hexachlorobutadiene	225	12.150	12.150	(1.217)	103486	50.0000	39.944
87 Naphthalene	128	12.209	12.209	(1.223)	299620	50.0000	35.101
88 1,2,3-Trichlorobenzene	180	12.457	12.457	(1.248)	124096	50.0000	32.946
98 Cyclohexane	56	4.636	4.636	(0.909)	564914	50.0000	51.807
143 Methyl Acetate	43	3.050	3.050	(0.598)	299403	100.000	100.97
144 Methylcyclohexane	83	5.582	5.582	(1.095)	437044	50.0000	52.040
141 1,3,5-Trichlorobenzene	180	11.357	11.357	(1.137)	291626	50.0000	43.556

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50606A.b\UX93816.D
Date : 06-JUN-2005 08:25
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile
-Methyl tert-butyl ether+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
-1,3-Dichloropropane+
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
Xylene-o+
-Bromoform
-1,2-Dichloroethene (total
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-1,4-Dichlorobenzene-d4+
4-Isopropyltoluene+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux9.i\N50606A.b\UX93816.D

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50607A.b\8260MIUX9.m
Start Cal Date: 25-MAY-2005 17:29
End Cal Date : 27-MAY-2005 11:37
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 2.50000		
25-MAY-2005 23:25	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93517.D
27-MAY-2005 11:37	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93576.D
Cal Level: 2 , Cal Amount: 10.00000		
25-MAY-2005 23:03	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93516.D
27-MAY-2005 11:15	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93575.D
Cal Level: 3 , Cal Amount: 25.00000		
25-MAY-2005 22:41	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93515.D
27-MAY-2005 10:53	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93574.D
Cal Level: 4 , Cal Amount: 50.00000		
25-MAY-2005 22:18	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93514.D
27-MAY-2005 10:31	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93573.D
Cal Level: 5 , Cal Amount: 100.00000		
25-MAY-2005 21:56	3-IX	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93513.D
27-MAY-2005 10:09	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93572.D
Cal Level: 6 , Cal Amount: 250.00000		
25-MAY-2005 21:33	3-IX	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93512.D
27-MAY-2005 09:47	2-8260	

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+-----------------+-----------------+-----------------------------------------+
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Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

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+-----------------+-----------------+-----------------------------------------+
|07-JUN-2005 08:45 |2-8260           |                                         |
|\\QCANOH04\DD\chem\MSV\a3ux9.i\N50607A.b\UX93870.D                            |
|07-JUN-2005 08:23 |3-IX             |                                         |
|\\QCANOH04\DD\chem\MSV\a3ux9.i\N50607A.b\UX93869.D                            |
+-----------------+-----------------+-----------------------------------------+
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Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50607A.b\UX93870.D
Report Date: 07-Jun-2005 09:01

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux9.i Injection Date: 07-JUN-2005 08:45
Lab File ID: UX93870.D Init. Cal. Date(s): 25-MAY-2005 27-MAY-2005
Analysis Type: WATER Init. Cal. Times: 17:29 11:37
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50607A.b\8260MIUX9.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 4 Dibromofluoromethane	0.20502	0.21410	0.21410	0.010	-4.43132	50.00000	Averaged	
$ 5 1,2-Dichloroethane-d4	0.23376	0.25134	0.25134	0.010	-7.52292	50.00000	Averaged	
$ 6 Toluene-d8	1.36581	1.44078	1.44078	0.010	-5.48946	50.00000	Averaged	
$ 7 Bromofluorobenzene	0.52544	0.53402	0.53402	0.010	-1.63265	50.00000	Averaged	
8 Dichlorodifluoromethane	0.17219	0.15853	0.15853	0.010	7.93291	50.00000	Averaged	
9 Chloromethane	0.37727	0.36580	0.36580	0.100	3.04249	50.00000	Averaged	
10 Vinyl Chloride	0.29282	0.28955	0.28955	0.010	1.11839	20.00000	Averaged	
11 Bromomethane	0.10669	0.11538	0.11538	0.010	-8.14942	50.00000	Averaged	
12 Chloroethane	0.14430	0.15077	0.15077	0.010	-4.48026	50.00000	Averaged	
13 Trichlorofluoromethane	0.24337	0.23460	0.23460	0.010	3.60321	50.00000	Averaged	
15 Acrolein	0.02921	0.02474	0.02474	0.010	15.30391	50.00000	Averaged	
16 Acetone	100	89.24683	0.08039	0.010	10.75317	0.000e+000	Wt Linear	
17 1,1-Dichloroethene	0.38880	0.45020	0.45020	0.010	-15.79140	20.00000	Averaged	
18 Freon-113	0.17046	0.19007	0.19007	0.010	-11.50003	50.00000	Averaged	
19 Iodomethane	0.33139	0.35855	0.35855	0.010	-8.19350	50.00000	Averaged	
20 Carbon Disulfide	0.77162	0.87072	0.87072	0.010	-12.84395	50.00000	Averaged	
21 Methylene Chloride	50.00000	52.46070	0.27959	0.010	-4.92140	0.000e+000	Wt Linear	
22 Acetonitrile	0.02994	0.03091	0.03091	0.010	-3.23801	50.00000	Averaged	
23 Acrylonitrile	0.07786	0.07895	0.07895	0.010	-1.39179	50.00000	Averaged	
24 Methyl tert-butyl ether	0.31125	0.16097	0.16097	0.010	48.28300	50.00000	Averaged	
25 trans-1,2-Dichloroethene	0.41354	0.45579	0.45579	0.010	-10.21627	50.00000	Averaged	
26 Hexane	0.48136	0.52635	0.52635	0.010	-9.34671	20.00000	Averaged	
27 Vinyl acetate	0.48285	0.46652	0.46652	0.010	3.38082	50.00000	Averaged	
28 1,1-Dichloroethane	0.49393	0.53624	0.53624	0.100	-8.56535	50.00000	Averaged	
29 tert-Butyl Alcohol	0.00907	0.00438	0.00438	0.010	51.69249	50.00000	Averaged	<-
30 2-Butanone	0.12006	0.10437	0.10437	0.010	13.06794	50.00000	Averaged	
M 31 1,2-Dichloroethene (total)	0.42750	0.46843	0.46843	0.010	-9.57454	50.00000	Averaged	
32 cis-1,2-dichloroethene	0.44145	0.48106	0.48106	0.010	-8.97294	50.00000	Averaged	
33 2,2-Dichloropropane	0.26183	0.25289	0.25289	0.010	3.41171	50.00000	Averaged	
34 Bromochloromethane	0.10868	0.11984	0.11984	0.010	-10.27553	50.00000	Averaged	
35 Chloroform	0.38648	0.41995	0.41995	0.010	-8.66142	20.00000	Averaged	
36 Tetrahydrofuran	50.00000	48.94187	0.06491	0.010	2.11626	0.000e+000	Wt Linear	
37 1,1,1-Trichloroethane	0.32138	0.33316	0.33316	0.010	-3.66411	50.00000	Averaged	
38 1,1-Dichloropropene	0.32769	0.36309	0.36309	0.010	-10.80149	50.00000	Averaged	
39 Carbon Tetrachloride	0.26357	0.26627	0.26627	0.010	-1.02537	50.00000	Averaged	
40 1,2-Dichloroethane	0.32013	0.34455	0.34455	0.010	-7.62738	50.00000	Averaged	
41 Benzene	1.11200	1.22284	1.22284	0.010	-9.96805	50.00000	Averaged	
42 Trichloroethene	0.27258	0.30062	0.30062	0.010	-10.28692	50.00000	Averaged	
43 1,2-Dichloropropane	0.30213	0.33193	0.33193	0.010	-9.86484	20.00000	Averaged	
44 1,4-Dioxane	0.00149	0.00152	0.00152	0.010	-1.37748	50.00000	Averaged	<-
45 Dibromomethane	0.10374	0.11202	0.11202	0.010	-7.98387	50.00000	Averaged	
46 Bromodichloromethane	0.27762	0.28442	0.28442	0.010	-2.45169	50.00000	Averaged	
48 cis-1,3-Dichloropropene	0.37686	0.38045	0.38045	0.010	-0.95221	50.00000	Averaged	

|_____|_____|_____|_____|____|_____|_____|_____|

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50607A.b\UX93870.D
Report Date: 07-Jun-2005 09:01

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux9.i Injection Date: 07-JUN-2005 08:45
Lab File ID: UX93870.D Init. Cal. Date(s): 25-MAY-2005 27-MAY-2005
Analysis Type: WATER Init. Cal. Times: 17:29 11:37
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50607A.b\8260MIUX9.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
49 4-Methyl-2-pentanone	0.21984	0.21137	0.21137	0.010	3.85648	50.00000	Averaged
50 Toluene	1.67605	1.74656	1.74656	0.010	-4.20693	20.00000	Averaged
51 trans-1,3-Dichloropropene	0.38716	0.36103	0.36103	0.010	6.75070	50.00000	Averaged
52 Ethyl Methacrylate	0.32751	0.32918	0.32918	0.010	-0.51162	50.00000	Averaged
53 1,1,2-Trichloroethane	0.25350	0.25621	0.25621	0.010	-1.07069	50.00000	Averaged
54 1,3-Dichloropropane	0.45745	0.46552	0.46552	0.010	-1.76472	50.00000	Averaged
55 Tetrachloroethene	0.30182	0.31712	0.31712	0.010	-5.06762	50.00000	Averaged
56 2-Hexanone	0.22378	0.19752	0.19752	0.010	11.73725	50.00000	Averaged
57 Dibromochloromethane	0.23581	0.22158	0.22158	0.010	6.03301	50.00000	Averaged
58 1,2-Dibromoethane	0.22614	0.22730	0.22730	0.010	-0.50926	50.00000	Averaged
59 Chlorobenzene	1.09408	1.13604	1.13604	0.300	-3.83507	50.00000	Averaged
60 1,1,1,2-Tetrachloroethane	0.31516	0.32199	0.32199	0.010	-2.16719	50.00000	Averaged
61 Ethylbenzene	1.89616	1.97283	1.97283	0.010	-4.04341	20.00000	Averaged
62 m + p-Xylene	1.47777	1.53161	1.53161	0.010	-3.64298	50.00000	Averaged
M 63 Xylenes (total)	1.48480	1.53797	1.53797	0.010	-3.58090	50.00000	Averaged
64 Xylene-o	1.49885	1.55068	1.55068	0.010	-3.45839	50.00000	Averaged
65 Styrene	1.16473	1.25021	1.25021	0.010	-7.33863	50.00000	Averaged
66 Bromoform	50.00000	39.71164	0.10910	0.100	20.57672	0.000e+000	Wt Linear
67 Isopropylbenzene	1.72733	1.82573	1.82573	0.010	-5.69631	50.00000	Averaged
68 1,1,2,2-Tetrachloroethane	0.58679	0.59237	0.59237	0.300	-0.95176	50.00000	Averaged
69 1,4-Dichloro-2-butene	0.13416	0.10348	0.10348	0.010	22.87233	50.00000	Averaged
70 1,2,3-Trichloropropane	0.18236	0.18452	0.18452	0.010	-1.18266	50.00000	Averaged
71 Bromobenzene	0.91446	0.94040	0.94040	0.010	-2.83722	50.00000	Averaged
72 n-Propylbenzene	4.75363	4.90411	4.90411	0.010	-3.16543	50.00000	Averaged
73 2-Chlorotoluene	0.98486	1.03486	1.03486	0.010	-5.07670	50.00000	Averaged
74 1,3,5-Trimethylbenzene	3.25746	3.28655	3.28655	0.010	-0.89305	50.00000	Averaged
75 4-Chlorotoluene	0.98262	1.02331	1.02331	0.010	-4.14111	50.00000	Averaged
76 tert-Butylbenzene	2.97580	2.95665	2.95665	0.010	0.64335	50.00000	Averaged
77 1,2,4-Trimethylbenzene	3.29687	3.34821	3.34821	0.010	-1.55708	50.00000	Averaged
78 sec-Butylbenzene	4.20909	4.26671	4.26671	0.010	-1.36910	50.00000	Averaged
79 4-Isopropyltoluene	3.38074	3.38071	3.38071	0.010	0.00100	50.00000	Averaged
80 1,3-Dichlorobenzene	1.76845	1.77811	1.77811	0.010	-0.54585	50.00000	Averaged
81 1,4-Dichlorobenzene	1.79510	1.79371	1.79371	0.010	0.07730	50.00000	Averaged
82 n-Butylbenzene	2.86960	2.90009	2.90009	0.010	-1.06267	50.00000	Averaged
83 1,2-Dichlorobenzene	1.57193	1.54224	1.54224	0.010	1.88861	50.00000	Averaged
84 1,2-Dibromo-3-chloropropane	50.00000	37.01702	0.06151	0.010	25.96597	0.000e+000	Wt Linear
85 1,2,4-Trichlorobenzene	0.85034	0.66521	0.66521	0.010	21.77120	50.00000	Averaged
86 Hexachlorobutadiene	0.44382	0.37589	0.37589	0.010	15.30555	50.00000	Averaged
87 Naphthalene	50.00000	32.26174	0.93396	0.010	35.47651	0.000e+000	Wt Linear
88 1,2,3-Trichlorobenzene	0.64524	0.39969	0.39969	0.010	38.05524	50.00000	Averaged
98 Cyclohexane	0.64608	0.73951	0.73951	0.010	-14.46025	50.00000	Averaged
143 Methyl Acetate	0.17570	0.16870	0.16870	0.010	3.98472	50.00000	Averaged
144 Methylcyclohexane	0.49760	0.54719	0.54719	0.010	-9.96650	50.00000	Averaged

|_____|_____|_____|_____|____|_____|_____|_____|

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50607A.b\UX93870.D
Report Date: 07-Jun-2005 09:01

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux9.i Injection Date: 07-JUN-2005 08:45
Lab File ID: UX93870.D Init. Cal. Date(s): 25-MAY-2005 27-MAY-2005
Analysis Type: WATER Init. Cal. Times: 17:29 11:37
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50607A.b\8260MIUX9.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
141 1,3,5-Trichlorobenzene	1.14696	1.06702	1.06702	0.010	6.97031	50.00000	Averaged

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50607A.b\UX93870.D
Report Date: 07-Jun-2005 09:01

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50607A.b\UX93870.D
Lab Smp Id: 50NG-CC
Inj Date : 07-JUN-2005 08:45
Operator : 1754 Inst ID: a3ux9.i
Smp Info : 50NG-CC
Misc Info : N50607A,8260MIUX9,2-8260.SUB,1754,2
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50607A.b\8260MIUX9.m
Meth Date : 07-Jun-2005 09:01 mcdaniels Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	748442	50.0000	
* 2 Chlorobenzene-d5	117	7.747	7.747	(1.000)	573606	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	257547	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	160243	50.0000	52.216
$ 5 1,2-Dichloroethane-d4	65	4.825	4.825	(0.947)	188116	50.0000	53.761
$ 6 Toluene-d8	98	6.446	6.446	(0.832)	826442	50.0000	52.745
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	306316	50.0000	50.816
8 Dichlorodifluoromethane	85	1.594	1.594	(0.313)	118650	50.0000	46.034
9 Chloromethane	50	1.724	1.724	(0.338)	273777	50.0000	48.479
10 Vinyl Chloride	62	1.807	1.807	(0.355)	216709	50.0000	49.441
11 Bromomethane	94	2.091	2.091	(0.410)	86355	50.0000	54.075
12 Chloroethane	64	2.186	2.186	(0.429)	112841	50.0000	52.240
13 Trichlorofluoromethane	101	2.387	2.387	(0.468)	175587	50.0000	48.198
15 Acrolein	56	2.671	2.671	(0.524)	185132	500.000	423.48(A)
16 Acetone	43	2.789	2.789	(0.547)	120339	100.000	89.247
17 1,1-Dichloroethene	61	2.766	2.766	(0.543)	336947	50.0000	57.896
18 Freon-113	151	2.813	2.813	(0.552)	142255	50.0000	55.750
19 Iodomethane	142	2.896	2.896	(0.568)	268351	50.0000	54.097
20 Carbon Disulfide	76	2.955	2.955	(0.580)	651687	50.0000	56.422

21 Methylene Chloride	84	3.144	3.144 (0.617)	209259	50.0000	52.461
22 Acetonitrile	41	3.014	3.014 (0.591)	231316	500.000	516.19(A)
23 Acrylonitrile	53	3.322	3.322 (0.652)	590875	500.000	506.96(A)

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50607A.b\UX93870.D
Report Date: 07-Jun-2005 09:01

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.357	3.357	(0.659)	120476	50.0000	25.858
	25 trans-1,2-Dichloroethene	61	3.369	3.369	(0.661)	341131	50.0000	55.108
	26 Hexane	57	3.582	3.582	(0.703)	393945	50.0000	54.673
	27 Vinyl acetate	43	3.724	3.724	(0.731)	349166	50.0000	48.310
	28 1,1-Dichloroethane	63	3.701	3.701	(0.726)	401341	50.0000	54.283
	29 tert-Butyl Alcohol	59	3.204	3.204	(0.629)	65566	1000.00	483.08(A)
	30 2-Butanone	43	4.162	4.162	(0.817)	156225	100.000	86.932
M	31 1,2-Dichloroethene (total)	61				701178	100.000	109.59
	32 cis-1,2-dichloroethene	61	4.162	4.162	(0.817)	360047	50.0000	54.486
	33 2,2-Dichloropropane	77	4.162	4.162	(0.817)	189276	50.0000	48.294
	34 Bromochloromethane	128	4.351	4.351	(0.854)	89697	50.0000	55.138
	35 Chloroform	83	4.411	4.411	(0.865)	314308	50.0000	54.331
	36 Tetrahydrofuran	42	4.399	4.399	(0.863)	48585	50.0000	48.942
	37 1,1,1-Trichloroethane	97	4.576	4.576	(0.898)	249350	50.0000	51.832
	38 1,1-Dichloropropene	75	4.706	4.706	(0.923)	271750	50.0000	55.401
	39 Carbon Tetrachloride	117	4.718	4.718	(0.926)	199287	50.0000	50.513
	40 1,2-Dichloroethane	62	4.884	4.884	(0.958)	257876	50.0000	53.814
	41 Benzene	78	4.884	4.884	(0.958)	915225	50.0000	54.984
	42 Trichloroethene	130	5.404	5.404	(1.060)	224999	50.0000	55.143
	43 1,2-Dichloropropane	63	5.594	5.594	(1.097)	248434	50.0000	54.932
	44 1,4-Dioxane	88	5.700	5.700	(1.118)	56706	2500.00	2534.4(A)
	45 Dibromomethane	93	5.688	5.688	(1.116)	83842	50.0000	53.992
	46 Bromodichloromethane	83	5.819	5.819	(1.142)	212873	50.0000	51.226
	48 cis-1,3-Dichloropropene	75	6.197	6.197	(1.216)	284745	50.0000	50.476
	49 4-Methyl-2-pentanone	43	6.316	6.316	(1.239)	316391	100.000	96.144
	50 Toluene	91	6.505	6.505	(0.840)	1001840	50.0000	52.103
	51 trans-1,3-Dichloropropene	75	6.682	6.682	(0.863)	207087	50.0000	46.625
	52 Ethyl Methacrylate	69	6.742	6.742	(0.870)	188821	50.0000	50.256
	53 1,1,2-Trichloroethane	97	6.848	6.848	(0.884)	146966	50.0000	50.535
	54 1,3-Dichloropropane	76	7.002	7.002	(0.904)	267024	50.0000	50.882
	55 Tetrachloroethene	164	7.002	7.002	(0.904)	181902	50.0000	52.534
	56 2-Hexanone	43	7.061	7.061	(0.911)	226592	100.000	88.263
	57 Dibromochloromethane	129	7.215	7.215	(0.931)	127099	50.0000	46.983
	58 1,2-Dibromoethane	107	7.321	7.321	(0.945)	130378	50.0000	50.255
	59 Chlorobenzene	112	7.771	7.771	(1.003)	651640	50.0000	51.918
	60 1,1,1,2-Tetrachloroethane	131	7.842	7.842	(1.012)	184695	50.0000	51.084
	61 Ethylbenzene	91	7.866	7.866	(1.015)	1131629	50.0000	52.022
	62 m + p-Xylene	91	7.972	7.972	(1.029)	1757081	100.000	103.64
M	63 Xylenes (total)	91				2646562	150.000	155.37
	64 Xylene-o	91	8.351	8.351	(1.078)	889481	50.0000	51.729
	65 Styrene	104	8.363	8.363	(1.079)	717126	50.0000	53.669
	66 Bromoform	173	8.540	8.540	(1.102)	62583	50.0000	39.712
	67 Isopropylbenzene	105	8.706	8.706	(1.124)	1047247	50.0000	52.848
	68 1,1,2,2-Tetrachloroethane	83	8.978	8.978	(0.899)	152564	50.0000	50.476
	69 1,4-Dichloro-2-butene	53	9.025	9.025	(0.904)	26650	50.0000	38.564
	70 1,2,3-Trichloropropane	110	9.025	9.025	(0.904)	47522	50.0000	50.591
	71 Bromobenzene	156	9.002	9.002	(0.902)	242198	50.0000	51.419
	72 n-Propylbenzene	91	9.096	9.096	(0.911)	1263038	50.0000	51.583
	73 2-Chlorotoluene	126	9.191	9.191	(0.921)	266524	50.0000	52.538
	74 1,3,5-Trimethylbenzene	105	9.262	9.262	(0.928)	846440	50.0000	50.446
	75 4-Chlorotoluene	126	9.286	9.286	(0.930)	263550	50.0000	52.070
	76 tert-Butylbenzene	119	9.581	9.581	(0.960)	761477	50.0000	49.678

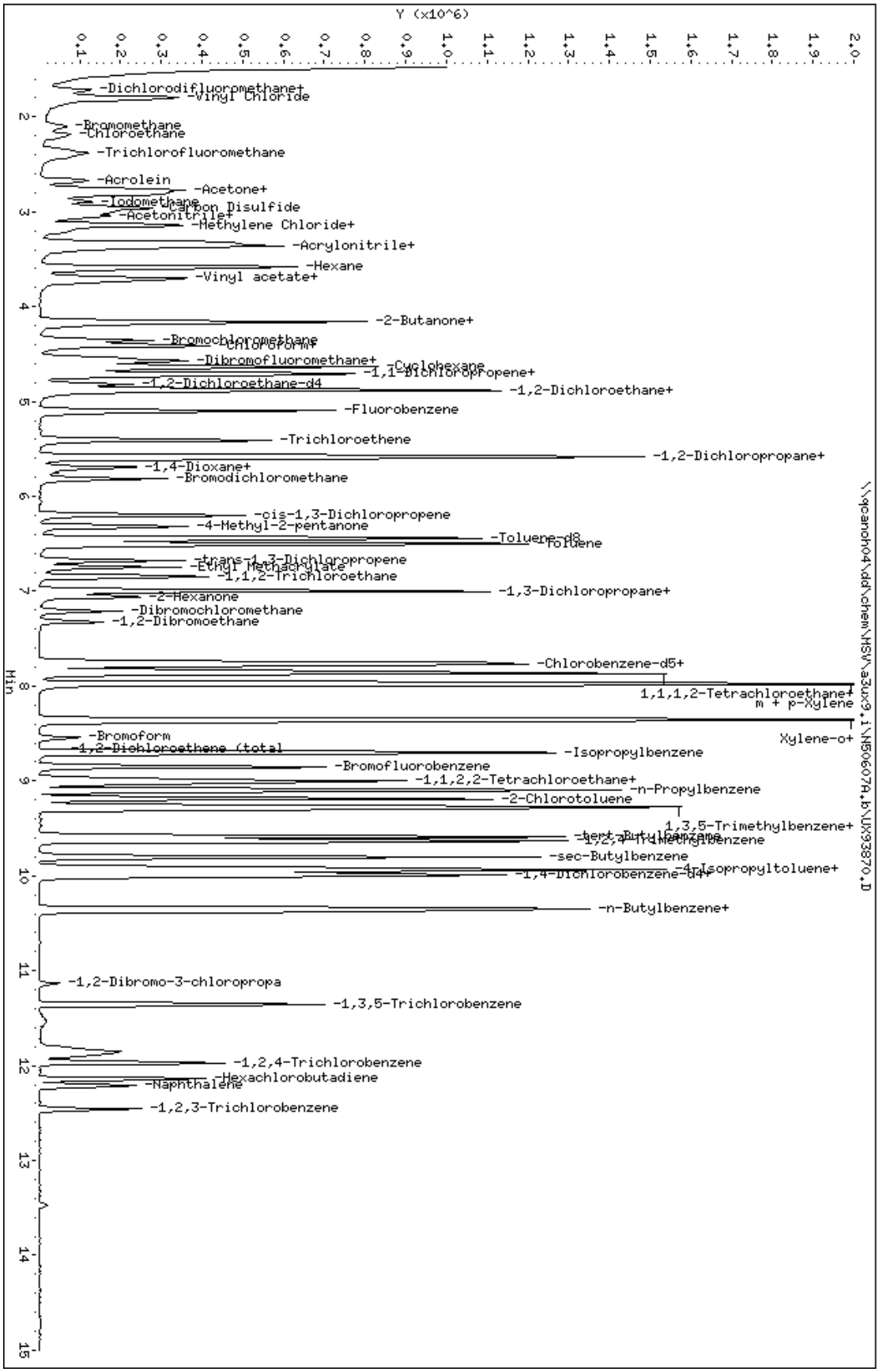
77 1,2,4-Trimethylbenzene	105	9.629	9.629 (0.964)	862321	50.0000	50.778
78 sec-Butylbenzene	105	9.806	9.806 (0.982)	1098879	50.0000	50.684

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50607A.b\UX93870.D
Report Date: 07-Jun-2005 09:01

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
79 4-Isopropyltoluene	119	9.936	9.936	(0.995)	870692	50.0000	50.000
80 1,3-Dichlorobenzene	146	9.913	9.913	(0.993)	457946	50.0000	50.273
81 1,4-Dichlorobenzene	146	10.007	10.007	(1.002)	461965	50.0000	49.961
82 n-Butylbenzene	91	10.351	10.351	(1.037)	746910	50.0000	50.531
83 1,2-Dichlorobenzene	146	10.374	10.374	(1.039)	397199	50.0000	49.056
84 1,2-Dibromo-3-chloropropane	157	11.143	11.143	(1.116)	15842	50.0000	37.017
85 1,2,4-Trichlorobenzene	180	11.972	11.972	(1.199)	171324	50.0000	39.114
86 Hexachlorobutadiene	225	12.137	12.137	(1.216)	96809	50.0000	42.347
87 Naphthalene	128	12.208	12.208	(1.223)	240538	50.0000	32.262
88 1,2,3-Trichlorobenzene	180	12.457	12.457	(1.248)	102940	50.0000	30.972
98 Cyclohexane	56	4.635	4.635	(0.909)	553480	50.0000	57.230
143 Methyl Acetate	43	3.050	3.050	(0.598)	252524	100.000	96.015
144 Methylcyclohexane	83	5.582	5.582	(1.095)	409539	50.0000	54.983
141 1,3,5-Trichlorobenzene	180	11.356	11.356	(1.137)	274807	50.0000	46.515

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide
-Acetonitrile+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
Xylene-o+
-Bromoform
-1,2-Dichloroethene (total
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-1,4-Dichlorobenzene-d4+
-4-Isopropyltoluene+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux9.i\N50607A.b\UX93870.D

Calibration History

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Start Cal Date: 28-APR-2005 11:41
End Cal Date : 12-MAY-2005 13:11
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
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12-MAY-2005 11:06	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8023.D
Cal Level: 2 , Cal Amount: 10.00000		
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Continuing Calibration
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Report Date : 12-May-2005 14:16

STL North Canton

INITIAL CALIBRATION DATA

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End Cal Date : 12-MAY-2005 13:11
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
Last Edit : 12-May-2005 14:14 a3ux10.i
Curve Type : Average

Calibration File Names:
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Level 6: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50428B-IC.b\UXX7603.D

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD
	8 Dichlorodifluoromethane	0.17129	0.13670	0.16815	0.12018	0.14535	0.13608	0.14629	13.610
	9 Chloromethane	0.27234	0.26578	0.29449	0.28068	0.30675	0.28247	0.28375	5.247
	10 Vinyl Chloride	0.24119	0.24793	0.28364	0.23960	0.26056	0.24886	0.25363	6.491
	11 Bromomethane	0.13651	0.13453	0.14736	0.15032	0.13240	0.09962	0.13346	13.545
	12 Chloroethane	0.16543	0.15154	0.17749	0.16011	0.16329	0.14886	0.16112	6.417
	13 Trichlorofluoromethane	0.32991	0.32095	0.36653	0.27328	0.32139	0.29309	0.31752	10.093
	14 Dichlorofluoromethane	0.44054	0.43259	0.44273	0.42491	0.42678	0.43705	0.43410	1.677
	15 Acrolein	0.03005	0.02842	0.03000	0.02822	0.02895	0.02797	0.02894	3.122
	16 Acetone	0.23007	0.15167	0.10252	0.09186	0.08307	0.07192	0.12185	49.064
	17 1,1-Dichloroethene	0.17096	0.18544	0.17411	0.17322	0.17772	0.17127	0.17546	3.116
	18 Freon-113	0.13878	0.14877	0.13694	0.13398	0.13356	0.12162	0.13561	6.492
	19 Iodomethane	0.07520	0.09388	0.10804	0.11870	0.13366	0.14444	0.11232	22.749
	20 Carbon Disulfide	0.60316	0.59794	0.58287	0.59613	0.59414	0.57794	0.59203	1.625
	21 Methylene Chloride	0.48441	0.36665	0.29242	0.26362	0.24731	0.23253	0.31449	30.466
	22 Acetonitrile	0.03676	0.03409	0.03254	0.03135	0.03087	0.02961	0.03254	7.899
	23 Acrylonitrile	0.08444	0.08853	0.08877	0.08676	0.08948	0.08758	0.08759	2.072
	24 Methyl tert-butyl ether	0.41418	0.43994	0.45829	0.48365	0.49687	0.50566	0.46643	7.586
	25 trans-1,2-Dichloroethene	0.20711	0.21595	0.21549	0.22572	0.22193	0.21665	0.21714	2.925
	26 Hexane	0.04112	0.03850	0.03682	0.03689	0.04186	0.04011	0.03922	5.479
	27 Vinyl acetate	0.32093	0.31893	0.33378	0.33690	0.36734	0.38008	0.34299	7.325
	28 1,1-Dichloroethane	0.40179	0.39319	0.39811	0.39847	0.39774	0.38963	0.39649	1.094
	29 tert-Butyl Alcohol	0.01746	0.01473	0.01546	0.01564	0.01721	0.01803	0.01642	8.032
	30 2-Butanone	0.13655	0.12976	0.11726	0.11777	0.11882	0.11295	0.12218	7.356
M	31 1,2-Dichloroethene (total)	0.21313	0.21422	0.22107	0.23154	0.22982	0.22492	0.22245	3.479
	32 cis-1,2-dichloroethene	0.21916	0.21250	0.22664	0.23736	0.23770	0.23320	0.22776	4.515
	33 2,2-Dichloropropane	0.23336	0.24764	0.23662	0.25439	0.25655	0.25476	0.24722	4.045
	34 Bromochloromethane	0.12157	0.12748	0.11895	0.12003	0.12004	0.12034	0.12140	2.547
	35 Chloroform	0.39274	0.39478	0.39369	0.38752	0.37572	0.36516	0.38493	3.111

Report Date : 12-May-2005 14:16

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 28-APR-2005 11:41
End Cal Date : 12-MAY-2005 13:11
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Origin : Disabled
Target Version : 4.14
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Last Edit : 12-May-2005 14:14 a3ux10.i
Curve Type : Average

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	___ RRF	% RSD	
	36 Tetrahydrofuran	0.08264	0.07138	0.06151	0.06244	0.06357	0.06527	0.06780	11.906	
	37 1,1,1-Trichloroethane	0.27845	0.27792	0.29694	0.29767	0.29674	0.29129	0.28984	3.212	
	38 1,1-Dichloropropene	0.24214	0.22374	0.23511	0.24931	0.25885	0.25273	0.24365	5.249	
	39 Carbon Tetrachloride	0.24758	0.24835	0.25280	0.25500	0.25458	0.24697	0.25088	1.459	
	40 1,2-Dichloroethane	0.32486	0.33125	0.32279	0.31735	0.30877	0.30007	0.31751	3.595	
	41 Benzene	0.84409	0.87947	0.88802	0.90744	0.88985	0.88023	0.88152	2.374	
	42 Trichloroethene	0.23455	0.24100	0.21414	0.22035	0.23075	0.23141	0.22870	4.279	
	43 1,2-Dichloropropane	0.21055	0.22627	0.22908	0.23749	0.22852	0.22705	0.22649	3.881	
	44 1,4-Dioxane	0.00163	0.00130	0.00164	0.00173	0.00197	0.00206	0.00172	15.807	<-
	45 Dibromomethane	0.12525	0.12392	0.13555	0.12783	0.12771	0.12392	0.12736	3.431	
	46 Bromodichloromethane	0.24113	0.26924	0.27379	0.27997	0.27374	0.26917	0.26784	5.104	
	47 2-Chloroethyl vinyl ether	0.08446	0.07904	0.09491	0.11111	0.12491	0.12907	0.10392	20.202	
	48 cis-1,3-Dichloropropene	0.24084	0.25923	0.28149	0.30395	0.31906	0.32656	0.28852	11.803	
	49 4-Methyl-2-pentanone	0.16919	0.17631	0.19382	0.21011	0.22257	0.22528	0.19954	11.856	
	50 Toluene	1.02984	1.11865	1.26402	1.32369	1.31242	1.26869	1.21955	9.704	
	51 trans-1,3-Dichloropropene	0.27718	0.29130	0.31508	0.34313	0.35111	0.35843	0.32271	10.387	
	52 Ethyl Methacrylate	0.23834	0.22918	0.27894	0.31905	0.34550	0.35435	0.29423	18.270	
	53 1,1,2-Trichloroethane	0.24603	0.24315	0.25552	0.25423	0.24105	0.22993	0.24499	3.843	
	54 1,3-Dichloropropane	0.38490	0.42330	0.43425	0.42697	0.42474	0.41174	0.41765	4.219	
	55 Tetrachloroethene	0.24071	0.24362	0.24709	0.25370	0.24271	0.23667	0.24408	2.389	
	56 2-Hexanone	0.17294	0.15732	0.17047	0.18825	0.19660	0.19588	0.18024	8.773	
	57 Dibromochloromethane	0.24839	0.25462	0.26118	0.25645	0.25889	0.25313	0.25544	1.765	
	58 1,2-Dibromoethane	0.22119	0.21767	0.23280	0.23630	0.23086	0.23083	0.22827	3.163	
	59 Chlorobenzene	0.82656	0.85557	0.88427	0.87580	0.87467	0.85616	0.86217	2.421	
	60 1,1,1,2-Tetrachloroethane	0.28419	0.28525	0.30163	0.30098	0.28696	0.27789	0.28948	3.337	
	61 Ethylbenzene	0.35667	0.36421	0.40671	0.44973	0.46169	0.45231	0.41522	11.208	
	62 m + p-Xylene	0.39808	0.44902	0.52581	0.57024	0.57571	0.56310	0.51366	14.354	
M	63 Xylenes (total)	0.38566	0.43337	0.50813	0.55825	0.56711	0.55840	0.50182	15.142	
	64 Xylene-o	0.36081	0.40206	0.47279	0.53427	0.54991	0.54901	0.47814	16.967	
	65 Styrene	0.58339	0.67228	0.82345	0.92762	0.94438	0.95023	0.81689	19.104	
	66 Bromoform	0.14950	0.16274	0.16054	0.16925	0.17533	0.17452	0.16531	5.929	
	67 Isopropylbenzene	0.79006	0.83781	0.97844	1.14134	1.23603	1.24750	1.03853	19.204	
	68 1,1,2,2-Tetrachloroethane	0.59802	0.55503	0.54783	0.55679	0.55614	0.53571	0.55826	3.770	
	69 1,4-Dichloro-2-butene	0.16223	0.14065	0.14870	0.16540	0.17684	0.17374	0.16126	8.767	
	70 1,2,3-Trichloropropane	0.19313	0.18030	0.18780	0.18873	0.18590	0.18168	0.18626	2.544	
	71 Bromobenzene	0.55532	0.57717	0.58009	0.63443	0.65611	0.63997	0.60718	6.805	

Report Date : 12-May-2005 14:16

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 28-APR-2005 11:41
End Cal Date : 12-MAY-2005 13:11
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
Last Edit : 12-May-2005 14:14 a3ux10.i
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	___ RRF	% RSD	
72 n-Propylbenzene	0.45175	0.48559	0.55023	0.63997	0.67992	0.66215	0.57827	16.687	
73 2-Chlorotoluene	0.48109	0.50974	0.55691	0.59916	0.63346	0.61394	0.56572	10.725	
74 1,3,5-Trimethylbenzene	1.20869	1.41152	1.68809	1.91828	1.99056	1.93533	1.69208	18.908	
75 4-Chlorotoluene	0.47099	0.59484	0.62573	0.65450	0.67083	0.63832	0.60920	11.900	
76 tert-Butylbenzene	1.02639	1.12946	1.28611	1.54273	1.86129	1.87852	1.45408	25.181	
77 1,2,4-Trimethylbenzene	1.08013	1.40269	1.63580	1.92115	1.95700	1.93187	1.65477	21.505	
78 sec-Butylbenzene	1.52099	1.62229	1.85484	2.13031	2.33348	2.28360	1.95759	17.563	
79 4-Isopropyltoluene	1.15128	1.31262	1.55957	1.79319	1.93650	1.92508	1.61304	20.388	
80 1,3-Dichlorobenzene	1.17302	1.16366	1.17434	1.20130	1.24448	1.21289	1.19495	2.566	
81 1,4-Dichlorobenzene	1.40292	1.36062	1.27525	1.27630	1.27617	1.23249	1.30396	4.907	
82 n-Butylbenzene	1.01173	1.08210	1.11578	1.36865	1.50836	1.53856	1.27086	18.097	
83 1,2-Dichlorobenzene	1.07739	1.15075	1.15675	1.20538	1.21918	1.16366	1.16219	4.296	
84 1,2-Dibromo-3-chloropropane	0.09834	0.07608	0.07547	0.08521	0.09122	0.09887	0.08753	11.883	
85 1,2,4-Trichlorobenzene	0.46422	0.44403	0.45598	0.53537	0.60754	0.65345	0.52676	16.640	
86 Hexachlorobutadiene	0.27291	0.23263	0.22331	0.25617	0.27073	0.26018	0.25266	8.050	
87 Naphthalene	0.59666	0.58724	0.63920	0.87105	1.06559	1.19281	0.82543	31.521	
88 1,2,3-Trichlorobenzene	0.37627	0.41335	0.43597	0.52501	0.56721	0.58752	0.48422	18.057	
89 Ethyl Ether	0.18760	0.17801	0.18718	0.18347	0.17998	0.19080	0.18451	2.656	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
91 3-Chloropropene	0.10929	0.10883	0.11696	0.11964	0.11709	0.12713	0.11649	5.876	
92 Isopropyl Ether	0.15376	0.16026	0.18307	0.18900	0.18793	0.20250	0.17942	10.383	
93 2-Chloro-1,3-butadiene	0.22990	0.22826	0.24906	0.24133	0.23043	0.25524	0.23904	4.740	
94 Propionitrile	0.02641	0.02757	0.02546	0.02633	0.02776	0.02705	0.02676	3.229	
95 Ethyl Acetate	0.15352	0.16336	0.15166	0.15318	0.15751	0.16512	0.15739	3.606	
96 Methacrylonitrile	0.08481	0.09047	0.09081	0.09879	0.09440	0.10119	0.09341	6.419	
97 Isobutanol	0.00824	0.00774	0.00810	0.00763	0.00755	0.00807	0.00789	3.609	<-
98 Cyclohexane	0.29317	0.26092	0.27467	0.29874	0.33169	0.32829	0.29791	9.489	
99 n-Butanol	0.00548	0.00601	0.00541	0.00560	0.00624	0.00659	0.00589	8.011	<-
100 Methyl Methacrylate	0.10442	0.09838	0.11410	0.12261	0.13267	0.14240	0.11910	14.096	
101 2-Nitropropane	0.03085	0.02986	0.03127	0.03130	0.03517	0.03791	0.03273	9.541	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
103 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

Report Date : 12-May-2005 14:16

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 28-APR-2005 11:41
End Cal Date : 12-MAY-2005 13:11
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
Last Edit : 12-May-2005 14:14 a3ux10.i
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	___ RRF	% RSD	
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
M 137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
141 1,3,5-Trichlorobenzene	0.68745	0.67210	0.64390	0.71354	0.76064	0.76790	0.70759	6.983	
143 Methyl Acetate	0.20146	0.19664	0.18835	0.18235	0.17779	0.17080	0.18623	6.212	
144 Methylcyclohexane	0.25722	0.23209	0.24227	0.25755	0.29228	0.28882	0.26170	9.301	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
146 2-Methylnaphthalene	0.42913	0.30957	0.23906	0.54011	0.68133	0.58849	0.46461	36.549	
147 Tetrahydrothiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
148 1,4-Dichlorobutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 4 Dibromofluoromethane	0.20258	0.19998	0.20550	0.20915	0.20613	0.20135	0.20412	1.675	
$ 5 1,2-Dichloroethane-d4	0.27193	0.25159	0.24861	0.24314	0.23450	0.24572	0.24925	5.036	
$ 6 Toluene-d8	0.89211	0.84738	1.01106	1.01926	1.03794	1.02639	0.97236	8.352	
$ 7 Bromofluorobenzene	0.33715	0.28664	0.34643	0.37482	0.38555	0.39138	0.35366	11.099	

eport Date : 12-May-2005 14:22

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 28-APR-2005 11:41
nd Cal Date : 12-MAY-2005 13:11
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
ast Edit : 12-May-2005 14:14 a3ux10.i

alibration File Names:
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evel 2: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50428B-IC.b\UXX7607.D
evel 3: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50428B-IC.b\UXX7606.D
evel 4: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50428B-IC.b\UXX7605.D
evel 5: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50428B-IC.b\UXX7604.D
evel 6: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50428B-IC.b\UXX7603.D

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
8 Dichlorodifluoromethane	0.17129	0.13670	0.16815	0.12018	0.14535	0.13608	AVRG		0.14629		13.61000
9 Chloromethane	0.27234	0.26578	0.29449	0.28068	0.30675	0.28247	AVRG		0.28375		5.24750
10 Vinyl Chloride	0.24119	0.24793	0.28364	0.23960	0.26056	0.24886	AVRG		0.25363		6.49070
11 Bromomethane	0.13651	0.13453	0.14736	0.15032	0.13240	0.09962	AVRG		0.13346		13.54496
12 Chloroethane	0.16543	0.15154	0.17749	0.16011	0.16329	0.14886	AVRG		0.16112		6.41661
13 Trichlorofluoromethane	0.32991	0.32095	0.36653	0.27328	0.32139	0.29309	AVRG		0.31752		10.09346
14 Dichlorofluoromethane	0.44054	0.43259	0.44273	0.42491	0.42678	0.43705	AVRG		0.43410		1.67651
15 Acrolein	0.03005	0.02842	0.03000	0.02822	0.02895	0.02797	AVRG		0.02894		3.12228
16 Acetone	42722	59756	106589	195904	362643	631144	WLINR	-0.45797	0.07103		0.99684
17 1,1-Dichloroethene	0.17096	0.18544	0.17411	0.17322	0.17772	0.17127	AVRG		0.17546		3.11592
18 Freon-113	0.13878	0.14877	0.13694	0.13398	0.13356	0.12162	AVRG		0.13561		6.49241
19 Iodomethane	6982	18493	56165	126576	291749	633825	QUAD	0.06334	7.80894	-1.73521	0.99974
20 Carbon Disulfide	0.60316	0.59794	0.58287	0.59613	0.59414	0.57794	AVRG		0.59203		1.62455
21 Methylene Chloride	44976	72228	152019	281108	539796	1020366	WLINR	-0.11723	0.23017		0.99934

eport Date : 12-May-2005 14:22

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 28-APR-2005 11:41
nd Cal Date : 12-MAY-2005 13:11
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
ast Edit : 12-May-2005 14:14 a3ux10.i

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
22 Acetonitrile	0.03676	0.03409	0.03254	0.03135	0.03087	0.02961	AVRG		0.03254		7.89918
23 Acrylonitrile	0.08444	0.08853	0.08877	0.08676	0.08948	0.08758	AVRG		0.08759		2.07212
24 Methyl tert-butyl ether	0.41418	0.43994	0.45829	0.48365	0.49687	0.50566	AVRG		0.46643		7.58624
25 trans-1,2-Dichloroethene	0.20711	0.21595	0.21549	0.22572	0.22193	0.21665	AVRG		0.21714		2.92463
26 Hexane	0.04112	0.03850	0.03682	0.03689	0.04186	0.04011	AVRG		0.03922		5.47903
27 Vinyl acetate	0.32093	0.31893	0.33378	0.33690	0.36734	0.38008	AVRG		0.34299		7.32471
28 1,1-Dichloroethane	0.40179	0.39319	0.39811	0.39847	0.39774	0.38963	AVRG		0.39649		1.09446
29 tert-Butyl Alcohol	0.01746	0.01473	0.01546	0.01564	0.01721	0.01803	AVRG		0.01642		8.03183
30 2-Butanone	0.13655	0.12976	0.11726	0.11777	0.11882	0.11295	AVRG		0.12218		7.35631
31 1,2-Dichloroethene (total)	0.21313	0.21422	0.22107	0.23154	0.22982	0.22492	AVRG		0.22245		3.47870
32 cis-1,2-dichloroethene	0.21916	0.21250	0.22664	0.23736	0.23770	0.23320	AVRG		0.22776		4.51532
33 2,2-Dichloropropane	0.23336	0.24764	0.23662	0.25439	0.25655	0.25476	AVRG		0.24722		4.04453
34 Bromochloromethane	0.12157	0.12748	0.11895	0.12003	0.12004	0.12034	AVRG		0.12140		2.54749
35 Chloroform	0.39274	0.39478	0.39369	0.38752	0.37572	0.36516	AVRG		0.38493		3.11101
36 Tetrahydrofuran	0.08264	0.07138	0.06151	0.06244	0.06357	0.06527	AVRG		0.06780		11.90596
37 1,1,1-Trichloroethane	0.27845	0.27792	0.29694	0.29767	0.29674	0.29129	AVRG		0.28984		3.21164
38 1,1-Dichloropropene	0.24214	0.22374	0.23511	0.24931	0.25885	0.25273	AVRG		0.24365		5.24851
39 Carbon Tetrachloride	0.24758	0.24835	0.25280	0.25500	0.25458	0.24697	AVRG		0.25088		1.45919
40 1,2-Dichloroethane	0.32486	0.33125	0.32279	0.31735	0.30877	0.30007	AVRG		0.31751		3.59451
41 Benzene	0.84409	0.87947	0.88802	0.90744	0.88985	0.88023	AVRG		0.88152		2.37433
42 Trichloroethene	0.23455	0.24100	0.21414	0.22035	0.23075	0.23141	AVRG		0.22870		4.27896
43 1,2-Dichloropropane	0.21055	0.22627	0.22908	0.23749	0.22852	0.22705	AVRG		0.22649		3.88070

eport Date : 12-May-2005 14:22

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 28-APR-2005 11:41
nd Cal Date : 12-MAY-2005 13:11
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
ast Edit : 12-May-2005 14:14 a3ux10.i

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
44 1,4-Dioxane	7578	12786	42585	92334	214734	452272	QUAD	2.83216	526	-118	0.99947	<-
45 Dibromomethane	0.12525	0.12392	0.13555	0.12783	0.12771	0.12392	AVRG		0.12736		3.43138	
46 Bromodichloromethane	0.24113	0.26924	0.27379	0.27997	0.27374	0.26917	AVRG		0.26784		5.10386	
47 2-Chloroethyl vinyl ether	15683	31142	98682	236968	545279	1132725	QUAD	0.15396	8.07838	-0.47629	0.99942	
48 cis-1,3-Dichloropropene	0.24084	0.25923	0.28149	0.30395	0.31906	0.32656	AVRG		0.28852		11.80331	
49 4-Methyl-2-pentanone	0.16919	0.17631	0.19382	0.21011	0.22257	0.22528	AVRG		0.19954		11.85590	
50 Toluene	1.02984	1.11865	1.26402	1.32369	1.31242	1.26869	AVRG		1.21955		9.70439	
51 trans-1,3-Dichloropropene	0.27718	0.29130	0.31508	0.34313	0.35111	0.35843	AVRG		0.32271		10.38671	
52 Ethyl Methacrylate	17376	35059	112417	269208	602177	1261794	WLINR	0.05341	0.35318		0.99759	
53 1,1,2-Trichloroethane	0.24603	0.24315	0.25552	0.25423	0.24105	0.22993	AVRG		0.24499		3.84335	
54 1,3-Dichloropropane	0.38490	0.42330	0.43425	0.42697	0.42474	0.41174	AVRG		0.41765		4.21890	
55 Tetrachloroethene	0.24071	0.24362	0.24709	0.25370	0.24271	0.23667	AVRG		0.24408		2.38915	
56 2-Hexanone	0.17294	0.15732	0.17047	0.18825	0.19660	0.19588	AVRG		0.18024		8.77317	
57 Dibromochloromethane	0.24839	0.25462	0.26118	0.25645	0.25889	0.25313	AVRG		0.25544		1.76463	
58 1,2-Dibromoethane	0.22119	0.21767	0.23280	0.23630	0.23086	0.23083	AVRG		0.22827		3.16278	
59 Chlorobenzene	0.82656	0.85557	0.88427	0.87580	0.87467	0.85616	AVRG		0.86217		2.42078	
60 1,1,1,2-Tetrachloroethane	0.28419	0.28525	0.30163	0.30098	0.28696	0.27789	AVRG		0.28948		3.33674	
61 Ethylbenzene	0.35667	0.36421	0.40671	0.44973	0.46169	0.45231	AVRG		0.41522		11.20778	
62 m + p-Xylene	0.39808	0.44902	0.52581	0.57024	0.57571	0.56310	AVRG		0.51366		14.35417	
1 63 Xylenes (total)	84349	198880	614363	1413108	2965282	5965197	WLINR	0.11273	0.56859		0.99958	
64 Xylene-o	26305	61505	190544	450801	958447	1954964	WLINR	0.04462	0.55561		0.99939	
65 Styrene	42532	102841	331868	782699	1645981	3383658	WLINR	0.04825	0.96193		0.99951	

eport Date : 12-May-2005 14:22

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 28-APR-2005 11:41
nd Cal Date : 12-MAY-2005 13:11
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
ast Edit : 12-May-2005 14:14 a3ux10.i

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
66 Bromoform	0.14950	0.16274	0.16054	0.16925	0.17533	0.17452	AVRG		0.16531		5.92852
67 Isopropylbenzene	57600	128163	394330	963024	2154307	4442182	WLINR	0.05449	1.25169		0.99800
68 1,1,2,2-Tetrachloroethane	0.59802	0.55503	0.54783	0.55679	0.55614	0.53571	AVRG		0.55826		3.77011
69 1,4-Dichloro-2-butene	0.16223	0.14065	0.14870	0.16540	0.17684	0.17374	AVRG		0.16126		8.76693
70 1,2,3-Trichloropropane	0.19313	0.18030	0.18780	0.18873	0.18590	0.18168	AVRG		0.18626		2.54369
71 Bromobenzene	0.55532	0.57717	0.58009	0.63443	0.65611	0.63997	AVRG		0.60718		6.80487
72 n-Propylbenzene	17351	40971	129251	311122	659047	1330210	WLINR	0.04533	0.67369		0.99854
73 2-Chlorotoluene	0.48109	0.50974	0.55691	0.59916	0.63346	0.61394	AVRG		0.56572		10.72498
74 1,3,5-Trimethylbenzene	46424	119096	396540	932576	1929447	3887959	WLINR	0.04669	1.98113		0.99915
75 4-Chlorotoluene	0.47099	0.59484	0.62573	0.65450	0.67083	0.63832	AVRG		0.60920		11.90047
76 tert-Butylbenzene	39422	95297	302114	749998	1804145	3773819	WLINR	0.07188	1.87534		0.99385
77 1,2,4-Trimethylbenzene	41486	118351	384258	933969	1896921	3881008	WLINR	0.05160	1.97289		0.99925
78 sec-Butylbenzene	58419	136879	435711	1035654	2261845	4587613	WLINR	0.04921	2.31331		0.99815
79 4-Isopropyltoluene	44219	110751	366350	871759	1877053	3867371	WLINR	0.05475	1.94602		0.99863
80 1,3-Dichlorobenzene	1.17302	1.16366	1.17434	1.20130	1.24448	1.21289	AVRG		1.19495		2.56572
81 1,4-Dichlorobenzene	1.40292	1.36062	1.27525	1.27630	1.27617	1.23249	AVRG		1.30396		4.90720
82 n-Butylbenzene	38859	91301	262102	665370	1462049	3090860	WLINR	0.05455	1.53205		0.99629
83 1,2-Dichlorobenzene	1.07739	1.15075	1.15675	1.20538	1.21918	1.16366	AVRG		1.16219		4.29648
84 1,2-Dibromo-3-chloropropane	0.09834	0.07608	0.07547	0.08521	0.09122	0.09887	AVRG		0.08753		11.88291
85 1,2,4-Trichlorobenzene	17830	37465	107111	260272	588884	1312738	WLINR	0.05514	0.63642		0.99303
86 Hexachlorobutadiene	0.27291	0.23263	0.22331	0.25617	0.27073	0.26018	AVRG		0.25266		8.04954
87 Naphthalene	22917	49548	150152	423463	1032876	2396286	QUAD	0.11020	0.98694	-0.03631	0.99845

eport Date : 12-May-2005 14:22

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 28-APR-2005 11:41
nd Cal Date : 12-MAY-2005 13:11
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
ast Edit : 12-May-2005 14:14 a3ux10.i

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
88 1,2,3-Trichlorobenzene	14452	34876	102412	255236	549800	1180294	WLINR	0.05425	0.58307		0.99697	
89 Ethyl Ether	0.18760	0.17801	0.18718	0.18347	0.17998	0.19080	AVRG		0.18451		2.65630	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	0.10929	0.10883	0.11696	0.11964	0.11709	0.12713	AVRG		0.11649		5.87588	
92 Isopropyl Ether	0.15376	0.16026	0.18307	0.18900	0.18793	0.20250	AVRG		0.17942		10.38341	
93 2-Chloro-1,3-butadiene	0.22990	0.22826	0.24906	0.24133	0.23043	0.25524	AVRG		0.23904		4.74034	
94 Propionitrile	0.02641	0.02757	0.02546	0.02633	0.02776	0.02705	AVRG		0.02676		3.22875	
95 Ethyl Acetate	0.15352	0.16336	0.15166	0.15318	0.15751	0.16512	AVRG		0.15739		3.60564	
96 Methacrylonitrile	0.08481	0.09047	0.09081	0.09879	0.09440	0.10119	AVRG		0.09341		6.41896	
97 Isobutanol	0.00824	0.00774	0.00810	0.00763	0.00755	0.00807	AVRG		0.00789		3.60883	<-
98 Cyclohexane	0.29317	0.26092	0.27467	0.29874	0.33169	0.32829	AVRG		0.29791		9.48887	
99 n-Butanol	0.00548	0.00601	0.00541	0.00560	0.00624	0.00659	AVRG		0.00589		8.01125	<-
100 Methyl Methacrylate	0.10442	0.09838	0.11410	0.12261	0.13267	0.14240	AVRG		0.11910		14.09569	
101 2-Nitropropane	0.03085	0.02986	0.03127	0.03130	0.03517	0.03791	AVRG		0.03273		9.54082	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
103 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

eport Date : 12-May-2005 14:22

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 28-APR-2005 11:41
nd Cal Date : 12-MAY-2005 13:11
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
ast Edit : 12-May-2005 14:14 a3ux10.i

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
141 1,3,5-Trichlorobenzene	0.68745	0.67210	0.64390	0.71354	0.76064	0.76790	AVRG		0.70759		6.98341	
143 Methyl Acetate	0.20146	0.19664	0.18835	0.18235	0.17779	0.17080	AVRG		0.18623		6.21173	
144 Methylcyclohexane	0.25722	0.23209	0.24227	0.25755	0.29228	0.28882	AVRG		0.26170		9.30065	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
146 2-Methylnaphthalene	46052	75980	150880	712032	1862596	3106554	QUAD	0.39621	1.13034	0.10028	0.99247	
147 Tetrahydrothiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
148 1,4-Dichlorobutane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
4 Dibromofluoromethane	0.20258	0.19998	0.20550	0.20915	0.20613	0.20135	AVRG		0.20412		1.67479	
5 1,2-Dichloroethane-d4	0.27193	0.25159	0.24861	0.24314	0.23450	0.24572	AVRG		0.24925		5.03600	
6 Toluene-d8	0.89211	0.84738	1.01106	1.01926	1.03794	1.02639	AVRG		0.97236		8.35212	
7 Bromofluorobenzene	0.33715	0.28664	0.34643	0.37482	0.38555	0.39138	AVRG		0.35366		11.09875	

eport Date : 12-May-2005 14:22

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 28-APR-2005 11:41
nd Cal Date : 12-MAY-2005 13:11
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
ast Edit : 12-May-2005 14:14 a3ux10.i

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Wt Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8023.D
Report Date: 12-May-2005 14:13

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8023.D
Lab Smp Id: 5NG-IC
Inj Date : 12-MAY-2005 11:06
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 5NG-IC
Misc Info : P50512A-IC,8260LLUX10,2-8260.SUB,1904,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
Meth Date : 12-May-2005 14:13 a3ux10.i Quant Type: ISTD
Cal Date : 29-APR-2005 01:03 Cal File: UXX7605.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	4.997	4.997	(1.000)	928463	50.0000	
* 2 Chlorobenzene-d5	117	7.660	7.660	(1.000)	729054	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.884	9.884	(1.000)	384085	50.0000	
$ 4 Dibromofluoromethane	113	4.429	4.429	(0.886)	18809	5.00000	5.149
$ 5 1,2-Dichloroethane-d4	65	4.713	4.713	(0.943)	25248	5.00000	6.483
$ 6 Toluene-d8	98	6.346	6.346	(0.829)	65040	5.00000	4.564
$ 7 Bromofluorobenzene	95	8.760	8.760	(1.144)	24580	5.00000	4.919
8 Dichlorodifluoromethane	85	1.483	1.483	(0.297)	15904	5.00000	7.288
9 Chloromethane	50	1.613	1.613	(0.323)	25286	5.00000	6.060
10 Vinyl Chloride	62	1.708	1.708	(0.342)	22394	5.00000	5.043
11 Bromomethane	94	1.968	1.968	(0.394)	12674	5.00000	4.271
12 Chloroethane	64	2.051	2.051	(0.410)	15360	5.00000	4.598
13 Trichlorofluoromethane	101	2.252	2.252	(0.451)	30631	5.00000	6.081
15 Acrolein	56	2.560	2.560	(0.512)	27902	50.0000	74.535
16 Acetone	43	2.678	2.678	(0.536)	42722	10.0000	33.178
17 1,1-Dichloroethene	96	2.654	2.654	(0.531)	15873	5.00000	4.332
18 Freon-113	151	2.654	2.654	(0.531)	12885	5.00000	4.728
19 Iodomethane	142	2.784	2.784	(0.557)	6982	5.00000	1.960
20 Carbon Disulfide	76	2.844	2.844	(0.569)	56001	5.00000	4.422
21 Methylene Chloride	84	3.045	3.045	(0.609)	44976	5.00000	7.535
22 Acetonitrile	41	2.903	2.903	(0.581)	34134	50.0000	67.713
23 Acrylonitrile	53	3.222	3.222	(0.645)	78397	50.0000	60.152

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8023.D
Report Date: 12-May-2005 14:13

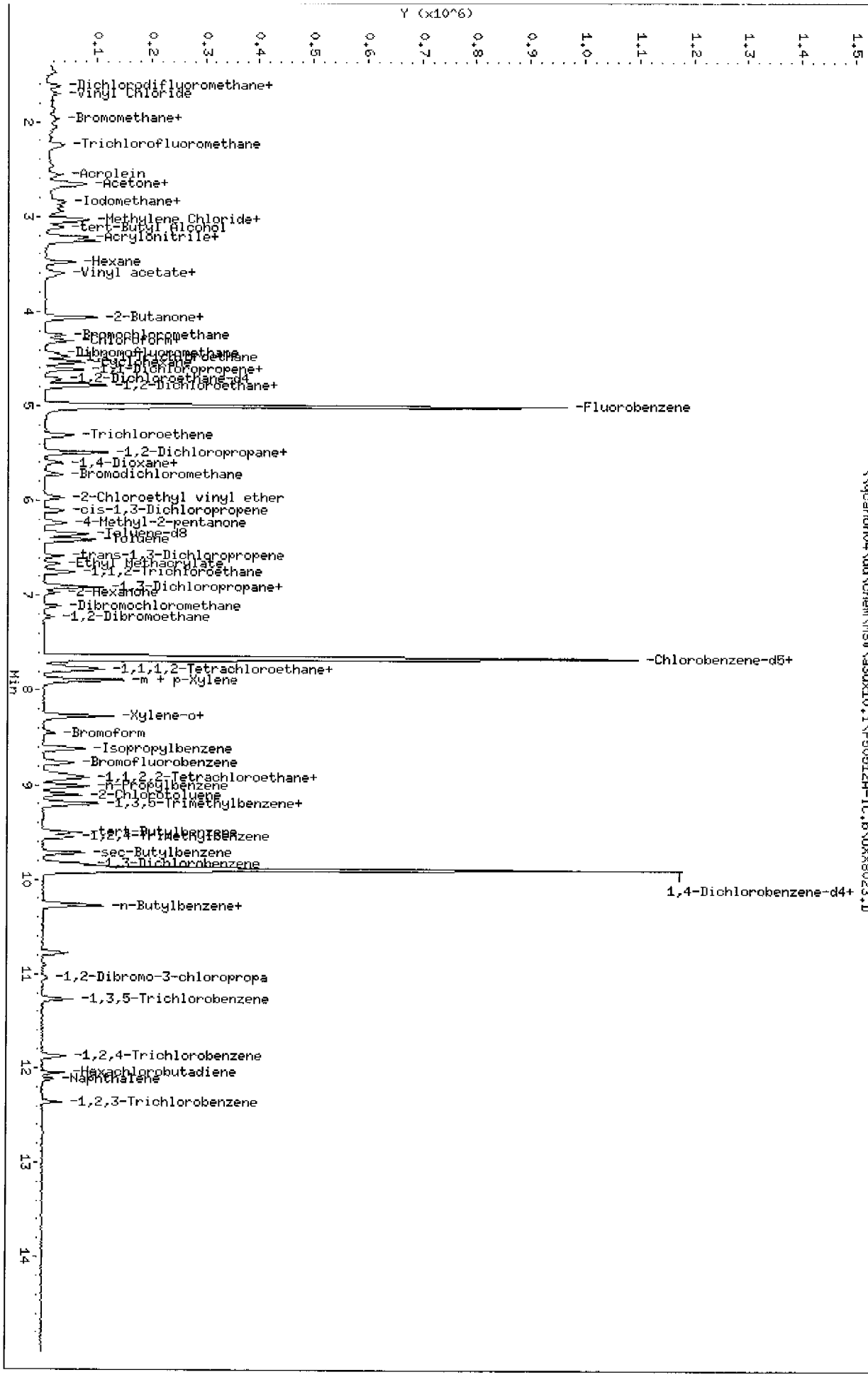
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.258	3.258	(0.652)	38455	5.00000	4.504
25 trans-1,2-Dichloroethene	96	3.258	3.258	(0.652)	19229	5.00000	4.982
26 Hexane	86	3.483	3.483	(0.697)	3818	5.00000	6.067
27 Vinyl acetate	43	3.613	3.613	(0.723)	29797	5.00000	6.173
28 1,1-Dichloroethane	63	3.589	3.589	(0.718)	37305	5.00000	6.016
29 tert-Butyl Alcohol	59	3.116	3.116	(0.624)	32420	100.000	112.56
30 2-Butanone	43	4.062	4.062	(0.813)	25356	10.0000	16.749
32 cis-1,2-dichloroethene	96	4.051	4.051	(0.811)	20348	5.00000	5.010
33 2,2-Dichloropropane	77	4.062	4.062	(0.813)	21667	5.00000	5.532
34 Bromochloromethane	128	4.252	4.252	(0.851)	11287	5.00000	5.303
35 Chloroform	83	4.311	4.311	(0.863)	36464	5.00000	5.748
36 Tetrahydrofuran	42	4.299	4.299	(0.860)	7673	5.00000	8.736
37 1,1,1-Trichloroethane	97	4.477	4.477	(0.896)	25853	5.00000	5.491
38 1,1-Dichloropropene	75	4.607	4.607	(0.922)	22482	5.00000	5.541
39 Carbon Tetrachloride	117	4.618	4.618	(0.924)	22987	5.00000	5.569
40 1,2-Dichloroethane	62	4.784	4.784	(0.957)	30162	5.00000	6.594
41 Benzene	78	4.784	4.784	(0.957)	78371	5.00000	5.141
42 Trichloroethene	130	5.317	5.317	(1.064)	21777	5.00000	5.272
43 1,2-Dichloropropane	63	5.494	5.494	(1.099)	19549	5.00000	5.377
44 1,4-Dioxane	88	5.624	5.624	(1.125)	7578	250.000	210.92(A)
45 Dibromomethane	93	5.601	5.601	(1.121)	11629	5.00000	5.334
46 Bromodichloromethane	83	5.719	5.719	(1.144)	22388	5.00000	5.003
47 2-Chloroethyl vinyl ether	63	5.967	5.967	(1.194)	15683	10.0000	8.958
48 cis-1,3-Dichloropropene	75	6.109	6.109	(1.223)	22361	5.00000	4.363
49 4-Methyl-2-pentanone	43	6.228	6.228	(1.246)	31417	10.0000	11.789
50 Toluene	91	6.405	6.405	(0.836)	75081	5.00000	4.452
51 trans-1,3-Dichloropropene	75	6.583	6.583	(0.859)	20208	5.00000	4.526
52 Ethyl Methacrylate	69	6.666	6.666	(0.870)	17376	5.00000	4.351
53 1,1,2-Trichloroethane	97	6.748	6.748	(0.881)	17937	5.00000	5.126
54 1,3-Dichloropropane	76	6.902	6.902	(0.901)	28061	5.00000	4.737
55 Tetrachloroethene	164	6.914	6.914	(0.903)	17549	5.00000	4.797
56 2-Hexanone	43	6.973	6.973	(0.910)	25217	10.0000	13.252
57 Dibromochloromethane	129	7.115	7.115	(0.929)	18109	5.00000	4.977
58 1,2-Dibromoethane	107	7.234	7.234	(0.944)	16126	5.00000	4.826
59 Chlorobenzene	112	7.683	7.683	(1.003)	60261	5.00000	5.021
60 1,1,1,2-Tetrachloroethane	131	7.754	7.754	(1.012)	20719	5.00000	5.010
61 Ethylbenzene	106	7.778	7.778	(1.015)	26003	5.00000	4.560
62 m + p-Xylene	106	7.896	7.896	(1.031)	58044	10.0000	8.136
64 Xylene-o	106	8.263	8.263	(1.079)	26305	5.00000	3.948
65 Styrene	104	8.275	8.275	(1.080)	42532	5.00000	3.748
66 Bromoform	173	8.452	8.452	(1.103)	10899	5.00000	4.131
67 Isopropylbenzene	105	8.618	8.618	(1.125)	57600	5.00000	3.962
68 1,1,2,2-Tetrachloroethane	83	8.878	8.878	(0.898)	22969	5.00000	5.568
69 1,4-Dichloro-2-butene	53	8.937	8.937	(0.904)	6231	5.00000	7.452
70 1,2,3-Trichloropropane	110	8.926	8.926	(0.903)	7418	5.00000	5.520
71 Bromobenzene	156	8.914	8.914	(0.902)	21329	5.00000	4.334
72 n-Propylbenzene	120	9.008	9.008	(0.911)	17351	5.00000	4.072
73 2-Chlorotoluene	126	9.103	9.103	(0.921)	18478	5.00000	4.420
74 1,3,5-Trimethylbenzene	105	9.186	9.186	(0.929)	46424	5.00000	3.983
75 4-Chlorotoluene	126	9.198	9.198	(0.931)	18090	5.00000	4.082
76 tert-Butylbenzene	119	9.505	9.505	(0.962)	39422	5.00000	3.580
77 1,2,4-Trimethylbenzene	105	9.553	9.553	(0.966)	41486	5.00000	3.575
78 sec-Butylbenzene	105	9.718	9.718	(0.983)	58419	5.00000	4.121
79 4-Isopropyltoluene	119	9.860	9.860	(0.998)	44219	5.00000	3.752

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8023.D
Report Date: 12-May-2005 14:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80 1,3-Dichlorobenzene	146	9.825	9.825	(0.994)	45054	5.00000	4.867
81 1,4-Dichlorobenzene	146	9.908	9.908	(1.002)	53884	5.00000	5.434
82 n-Butylbenzene	91	10.263	10.263	(1.038)	38859	5.00000	4.252
83 1,2-Dichlorobenzene	146	10.275	10.275	(1.040)	41381	5.00000	4.542
84 1,2-Dibromo-3-chloropropane	157	11.044	11.044	(1.117)	3777	5.00000	4.962
85 1,2,4-Trichlorobenzene	180	11.872	11.872	(1.201)	17830	5.00000	3.712
86 Hexachlorobutadiene	225	12.049	12.049	(1.219)	10482	5.00000	3.561
87 Naphthalene	128	12.120	12.120	(1.226)	22917	5.00000	3.301
88 1,2,3-Trichlorobenzene	180	12.357	12.357	(1.250)	14452	5.00000	3.129
98 Cyclohexane	56	4.536	4.536	(0.908)	27220	5.00000	6.955
143 Methyl Acetate	43	2.950	2.950	(0.590)	37409	10.0000	13.100(A)
144 Methylcyclohexane	83	5.482	5.482	(1.097)	23882	5.00000	5.670(A)
141 1,3,5-Trichlorobenzene	180	11.269	11.269	(1.140)	26404	5.00000	4.486(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 12-MAY-2005 11:06
Client ID:
Sample Info: 5NC-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride+
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform
-Dibromofluoromethane
-Cyclohexane
-trans-1,2-Dichloroethene
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane+
-m + p-Xylene
-Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanch04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8023.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8024.D
Report Date: 12-May-2005 14:13

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8024.D
Lab Smp Id: 10NG-IC
Inj Date : 12-MAY-2005 11:31
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 10NG-IC
Misc Info : P50512A-IC,8260LLUX10,2-8260.SUB,1904,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
Meth Date : 12-May-2005 14:13 a3ux10.i Quant Type: ISTD
Cal Date : 29-APR-2005 02:18 Cal File: UXX7608.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	4.997	4.997	(1.000)	984959	50.0000	
* 2 Chlorobenzene-d5	117	7.660	7.660	(1.000)	764866	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.884	9.884	(1.000)	421871	50.0000	
$ 4 Dibromofluoromethane	113	4.441	4.441	(0.889)	39395	10.0000	10.050
$ 5 1,2-Dichloroethane-d4	65	4.713	4.713	(0.943)	49562	10.0000	11.610
$ 6 Toluene-d8	98	6.346	6.346	(0.829)	129626	10.0000	8.583
$ 7 Bromofluorobenzene	95	8.760	8.760	(1.144)	43849	10.0000	8.128
8 Dichlorodifluoromethane	85	1.483	1.483	(0.297)	26928	10.0000	10.969
9 Chloromethane	50	1.625	1.625	(0.325)	52357	10.0000	11.614
10 Vinyl Chloride	62	1.708	1.708	(0.342)	48841	10.0000	10.430
11 Bromomethane	94	1.968	1.968	(0.394)	26501	10.0000	8.997
12 Chloroethane	64	2.051	2.051	(0.410)	29853	10.0000	8.553
13 Trichlorofluoromethane	101	2.240	2.240	(0.448)	63225	10.0000	11.496
15 Acrolein	56	2.571	2.571	(0.515)	55989	100.000	133.32
16 Acetone	43	2.690	2.690	(0.538)	59756	20.0000	32.726
17 1,1-Dichloroethene	96	2.666	2.666	(0.534)	36531	10.0000	9.851
18 Freon-113	151	2.654	2.654	(0.531)	29307	10.0000	10.835
19 Iodomethane	142	2.784	2.784	(0.557)	18493	10.0000	5.512
20 Carbon Disulfide	76	2.844	2.844	(0.569)	117790	10.0000	9.021
21 Methylene Chloride	84	3.045	3.045	(0.609)	72228	10.0000	11.236
22 Acetonitrile	41	2.903	2.903	(0.581)	67163	100.000	120.94
23 Acrylonitrile	53	3.222	3.222	(0.645)	174400	100.000	122.02

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8024.D
Report Date: 12-May-2005 14:13

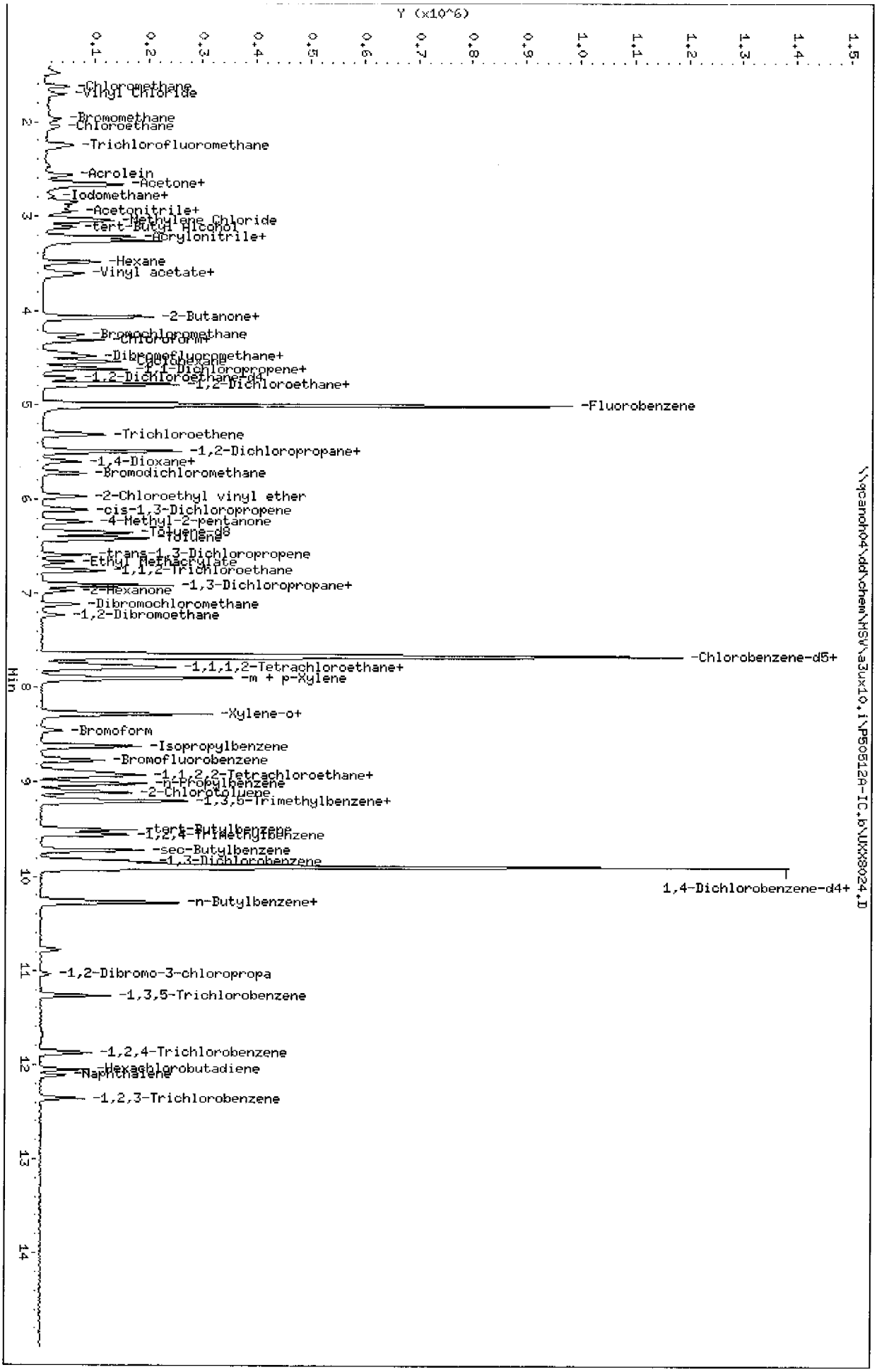
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.258	3.258	(0.652)	86664	10.0000	9.649
25 trans-1,2-Dichloroethene	96	3.258	3.258	(0.652)	42541	10.0000	10.343
26 Hexane	86	3.483	3.483	(0.697)	7584	10.0000	11.184
27 Vinyl acetate	43	3.625	3.625	(0.725)	62826	10.0000	11.576
28 1,1-Dichloroethane	63	3.589	3.589	(0.718)	77456	10.0000	11.319
29 tert-Butyl Alcohol	59	3.116	3.116	(0.624)	58034	200.000	188.63
30 2-Butanone	43	4.062	4.062	(0.813)	51122	20.0000	28.445
32 cis-1,2 dichloroethene	96	4.062	4.062	(0.813)	41860	10.0000	9.619
33 2,2-Dichloropropane	77	4.062	4.062	(0.813)	48784	10.0000	11.434
34 Bromochloromethane	128	4.252	4.252	(0.851)	25112	10.0000	10.858
35 Chloroform	83	4.311	4.311	(0.863)	77769	10.0000	11.267
36 Tetrahydrofuran	42	4.299	4.299	(0.860)	14062	10.0000	13.874
37 1,1,1-Trichloroethane	97	4.477	4.477	(0.896)	54748	10.0000	10.750
38 1,1-Dichloropropene	75	4.607	4.607	(0.922)	44074	10.0000	10.004
39 Carbon Tetrachloride	117	4.619	4.619	(0.924)	48922	10.0000	11.192
40 1,2-Dichloroethane	62	4.784	4.784	(0.957)	65253	10.0000	12.824
41 Benzene	78	4.784	4.784	(0.957)	173249	10.0000	10.573
42 Trichloroethene	130	5.317	5.317	(1.064)	47475	10.0000	10.703
43 1,2-Dichloropropane	63	5.494	5.494	(1.099)	44573	10.0000	11.309
44 1,4-Dioxane	88	5.624	5.624	(1.125)	12786	500.000	340.00(A)
45 Dibromomethane	93	5.589	5.589	(1.118)	24412	10.0000	10.424
46 Bromodichloromethane	83	5.719	5.719	(1.144)	53039	10.0000	11.000
47 2-Chloroethyl vinyl ether	63	5.967	5.967	(1.194)	31142	20.0000	16.340
48 cis-1,3-Dichloropropene	75	6.109	6.109	(1.223)	51067	10.0000	9.333
49 4-Methyl-2-pentanone	43	6.228	6.228	(1.246)	69462	20.0000	23.659
50 Toluene	91	6.417	6.417	(0.838)	171123	10.0000	9.647
51 trans-1,3-Dichloropropene	75	6.583	6.583	(0.859)	44561	10.0000	9.451
52 Ethyl Methacrylate	69	6.666	6.666	(0.870)	35059	10.0000	8.144
53 1,1,2-Trichloroethane	97	6.748	6.748	(0.881)	37196	10.0000	10.068
54 1,3-Dichloropropane	76	6.902	6.902	(0.901)	64753	10.0000	10.458
55 Tetrachloroethene	164	6.914	6.914	(0.903)	37267	10.0000	9.772
56 2-Hexanone	43	6.973	6.973	(0.910)	48131	20.0000	22.338
57 Dibromochloromethane	129	7.115	7.115	(0.929)	38950	10.0000	10.162
58 1,2-Dibromoethane	107	7.222	7.222	(0.943)	33298	10.0000	9.473
59 Chlorobenzene	112	7.683	7.683	(1.003)	130879	10.0000	10.353
60 1,1,1,2-Tetrachloroethane	131	7.754	7.754	(1.012)	43635	10.0000	10.016
61 Ethylbenzene	106	7.778	7.778	(1.015)	55715	10.0000	9.179
62 m + p-Xylene	106	7.896	7.896	(1.031)	137375	20.0000	18.179
64 Xylene-o	106	8.263	8.263	(1.079)	61505	10.0000	8.694
65 Styrene	104	8.275	8.275	(1.080)	102841	10.0000	8.532
66 Bromoform	173	8.452	8.452	(1.103)	24895	10.0000	9.054
67 Isopropylbenzene	105	8.618	8.618	(1.125)	128163	10.0000	8.317
68 1,1,2,2-Tetrachloroethane	83	8.878	8.878	(0.898)	46830	10.0000	10.458
69 1,4-Dichloro-2-butene	53	8.938	8.938	(0.904)	11867	10.0000	11.864
70 1,2,3-Trichloropropane	110	8.926	8.926	(0.903)	15213	10.0000	10.249
71 Bromobenzene	156	8.914	8.914	(0.902)	48698	10.0000	9.203
72 n-Propylbenzene	120	9.009	9.009	(0.911)	40971	10.0000	8.654
73 2-Chlorotoluene	126	9.103	9.103	(0.921)	43009	10.0000	9.340
74 1,3,5-Trimethylbenzene	105	9.186	9.186	(0.929)	119096	10.0000	8.994
75 4-Chlorotoluene	126	9.210	9.210	(0.932)	50189	10.0000	10.335
76 tert-Butylbenzene	119	9.505	9.505	(0.962)	95297	10.0000	7.934
77 1,2,4-Trimethylbenzene	105	9.553	9.553	(0.966)	118351	10.0000	9.086
78 sec-Butylbenzene	105	9.718	9.718	(0.983)	136879	10.0000	8.636
79 4-Isopropyltoluene	119	9.860	9.860	(0.998)	110751	10.0000	8.358

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8024.D
Report Date: 12-May-2005 14:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL AMT (ng)	AMOUNTS ON-COL (ng)
80 1,3-Dichlorobenzene	146	9.825	9.825	(0.994)	98183	10.0000	9.625
81 1,4-Dichlorobenzene	146	9.908	9.908	(1.002)	114801	10.0000	10.485
82 n-Butylbenzene	91	10.263	10.263	(1.038)	91301	10.0000	8.807
83 1,2-Dichlorobenzene	146	10.275	10.275	(1.040)	97094	10.0000	9.953
84 1,2-Dibromo-3-chloropropane	157	11.032	11.032	(1.116)	6419	10.0000	7.712
85 1,2,4-Trichlorobenzene	180	11.872	11.872	(1.201)	37465	10.0000	7.161
86 Hexachlorobutadiene	225	12.050	12.050	(1.219)	19628	10.0000	6.541
87 Naphthalene	128	12.121	12.121	(1.226)	49548	10.0000	6.360
88 1,2,3-Trichlorobenzene	180	12.357	12.357	(1.250)	34876	10.0000	6.967
98 Cyclohexane	56	4.536	4.536	(0.908)	51399	10.0000	11.712
143 Methyl Acetate	43	2.950	2.950	(0.590)	77473	20.0000	24.739(A)
144 Methylcyclohexane	83	5.494	5.494	(1.099)	45719	10.0000	10.111(A)
141 1,3,5-Trichlorobenzene	180	11.257	11.257	(1.139)	56708	10.0000	8.638(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UX8024.D
Date : 12-MAY-2005 11:31
Client ID:
Sample Info: 10NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Acetonitrile+
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform
-Dibromofluoromethane+
-Cyclohexane
-2,2-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
-1,3-Dichloropropane+
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane+
-m + p-Xylene
-Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UX8024.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8025.D
Report Date: 12-May-2005 14:13

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8025.D
Lab Smp Id: 25NG-IC
Inj Date : 12-MAY-2005 11:56
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 25NG-IC
Misc Info : P50512A-IC,8260LLUX10,2-8260.SUB,1904,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
Meth Date : 12-May-2005 14:13 a3ux10.i Quant Type: ISTD
Cal Date : 29-APR-2005 01:53 Cal File: UXX7607.D
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.007	5.007	(1.000)	1039720	50.0000	
* 2 Chlorobenzene-d5	117	7.658	7.658	(1.000)	806038	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.894	9.894	(1.000)	469810	50.0000	
$ 4 Dibromofluoromethane	113	4.439	4.439	(0.887)	106832	25.0000	25.715
$ 5 1,2-Dichloroethane-d4	65	4.723	4.723	(0.943)	129242	25.0000	27.815
$ 6 Toluene-d8	98	6.356	6.356	(0.830)	407478	25.0000	26.020
$ 7 Bromofluorobenzene	95	8.758	8.758	(1.144)	139616	25.0000	25.191
8 Dichlorodifluoromethane	85	1.481	1.481	(0.296)	87415	25.0000	33.552
9 Chloromethane	50	1.623	1.623	(0.324)	153095	25.0000	31.296
10 Vinyl Chloride	62	1.706	1.706	(0.341)	147452	25.0000	29.738
11 Bromomethane	94	1.966	1.966	(0.393)	76607	25.0000	25.437
12 Chloroethane	64	2.049	2.049	(0.409)	92271	25.0000	25.612
13 Trichlorofluoromethane	101	2.250	2.250	(0.449)	190542	25.0000	32.183
15 Acrolein	56	2.570	2.570	(0.513)	155958	250.000	334.04
16 Acetone	43	2.688	2.688	(0.537)	106589	50.0000	48.825
17 1,1-Dichloroethene	96	2.664	2.664	(0.532)	90515	25.0000	23.114
18 Freon-113	151	2.652	2.652	(0.530)	71189	25.0000	23.913
19 Iodomethane	142	2.783	2.783	(0.556)	56165	25.0000	17.784
20 Carbon Disulfide	76	2.854	2.854	(0.570)	303013	25.0000	22.312
21 Methylene Chloride	84	3.043	3.043	(0.608)	152019	25.0000	22.399
22 Acetonitrile	41	2.901	2.901	(0.579)	169183	250.000	281.40
23 Acrylonitrile	53	3.220	3.220	(0.643)	461476	250.000	300.94

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8025.D
Report Date: 12-May-2005 14:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.256	3.256	(0.650)	238249	25.0000	25.638
25 trans-1,2-Dichloroethene	96	3.256	3.256	(0.650)	112026	25.0000	25.694
26 Hexane	86	3.481	3.481	(0.695)	19143	25.0000	25.052
27 Vinyl acetate	43	3.623	3.623	(0.724)	173520	25.0000	29.202
28 1,1-Dichloroethane	63	3.599	3.599	(0.719)	206964	25.0000	27.984
29 tert-Butyl Alcohol	59	3.114	3.114	(0.622)	160705	500.000	510.38
30 2-Butanone	43	4.060	4.060	(0.811)	121919	50.0000	59.219
32 cis-1,2-dichloroethene	96	4.060	4.060	(0.811)	117820	25.0000	25.714
33 2,2-Dichloropropane	77	4.060	4.060	(0.811)	123009	25.0000	26.309
34 Bromochloromethane	128	4.250	4.250	(0.849)	61837	25.0000	25.157
35 Chloroform	83	4.309	4.309	(0.861)	204662	25.0000	27.584
36 Tetrahydrofuran	42	4.309	4.309	(0.861)	31976	25.0000	27.831
37 1,1,1-Trichloroethane	97	4.475	4.475	(0.894)	154365	25.0000	28.075
38 1,1-Dichloropropene	75	4.605	4.605	(0.920)	122222	25.0000	25.781
39 Carbon Tetrachloride	117	4.617	4.617	(0.922)	131423	25.0000	27.321
40 1,2-Dichloroethane	62	4.782	4.782	(0.955)	167806	25.0000	29.840
41 Benzene	78	4.782	4.782	(0.955)	461647	25.0000	26.358
42 Trichloroethene	130	5.315	5.315	(1.061)	111323	25.0000	23.522
43 1,2-Dichloropropane	63	5.492	5.492	(1.097)	119089	25.0000	27.993
44 1,4-Dioxane	88	5.611	5.611	(1.121)	42585	1250.00	1122.9(A)
45 Dibromomethane	93	5.599	5.599	(1.118)	70466	25.0000	28.424
46 Bromodichloromethane	83	5.717	5.717	(1.142)	142330	25.0000	27.576
47 2-Chloroethyl vinyl ether	63	5.966	5.966	(1.191)	98682	50.0000	49.283
48 cis-1,3-Dichloropropene	75	6.108	6.108	(1.220)	146333	25.0000	25.465
49 4-Methyl-2-pentanone	43	6.226	6.226	(1.243)	201514	50.0000	61.971
50 Toluene	91	6.415	6.415	(0.838)	509426	25.0000	27.344
51 trans-1,3-Dichloropropene	75	6.581	6.581	(0.859)	126984	25.0000	25.451
52 Ethyl Methacrylate	69	6.664	6.664	(0.870)	112417	25.0000	25.115
53 1,1,2-Trichloroethane	97	6.747	6.747	(0.881)	102981	25.0000	26.792
54 1,3-Dichloropropane	76	6.900	6.900	(0.901)	175011	25.0000	26.791
55 Tetrachloroethene	164	6.912	6.912	(0.903)	99583	25.0000	24.734
56 2-Hexanone	43	6.971	6.971	(0.910)	137405	50.0000	58.446
57 Dibromochloromethane	129	7.113	7.113	(0.929)	105260	25.0000	25.871
58 1,2-Dibromoethane	107	7.232	7.232	(0.944)	93823	25.0000	25.923
59 Chlorobenzene	112	7.681	7.681	(1.003)	356379	25.0000	26.729
60 1,1,1,2 Tetrachloroethane	131	7.752	7.752	(1.012)	121564	25.0000	26.524
61 Ethylbenzene	106	7.788	7.788	(1.017)	163911	25.0000	25.838
62 m + p-Xylene	106	7.894	7.894	(1.031)	423819	50.0000	53.172
64 Xylene-o	106	8.273	8.273	(1.080)	190544	25.0000	25.616
65 Styrene	104	8.273	8.273	(1.080)	331868	25.0000	26.101
66 Bromoform	173	8.450	8.450	(1.104)	64700	25.0000	22.844
67 Isopropylbenzene	105	8.616	8.616	(1.125)	394330	25.0000	24.348
68 1,1,2,2-Tetrachloroethane	83	8.888	8.888	(0.898)	128689	25.0000	25.814
69 1,4-Dichloro-2-butene	53	8.936	8.936	(0.903)	34930	25.0000	29.902
70 1,2,3-Trichloropropane	110	8.924	8.924	(0.902)	44114	25.0000	26.867
71 Bromobenzene	156	8.912	8.912	(0.901)	136266	25.0000	23.629
72 n-Propylbenzene	120	9.018	9.018	(0.912)	129251	25.0000	24.462
73 2-Chlorotoluene	126	9.101	9.101	(0.920)	130820	25.0000	25.578
74 1,3,5-Trimethylbenzene	105	9.184	9.184	(0.928)	396540	25.0000	26.518
75 4-Chlorotoluene	126	9.208	9.208	(0.931)	146986	25.0000	27.006
76 tert-Butylbenzene	119	9.504	9.504	(0.961)	302114	25.0000	22.899
77 1,2,4-Trimethylbenzene	105	9.551	9.551	(0.965)	384258	25.0000	26.085
78 sec-Butylbenzene	105	9.717	9.717	(0.982)	435711	25.0000	24.498
79 4-Isopropyltoluene	119	9.859	9.859	(0.996)	366350	25.0000	24.547

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8025.D
Report Date: 12-May-2005 14:13

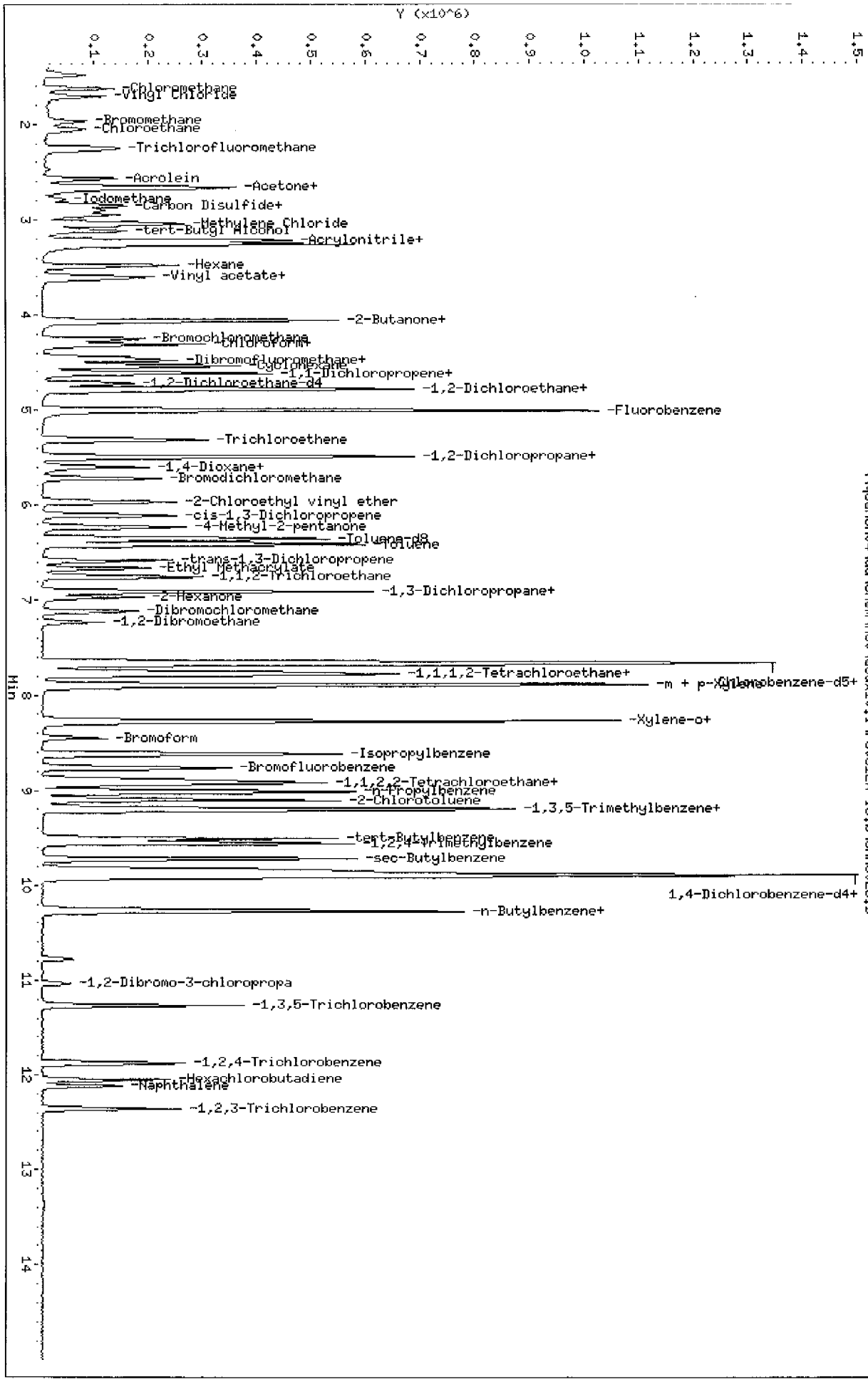
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80 1,3-Dichlorobenzene	146	9.823	9.823	(0.993)	275858	25.0000	24.582
81 1,4-Dichlorobenzene	146	9.918	9.918	(1.002)	299563	25.0000	24.588
82 n-Butylbenzene	91	10.261	10.261	(1.037)	262102	25.0000	22.104
83 1,2-Dichlorobenzene	146	10.285	10.285	(1.039)	271727	25.0000	25.088
84 1,2-Dibromo-3-chloropropane	157	11.042	11.042	(1.116)	17729	25.0000	19.938
85 1,2,4-Trichlorobenzene	180	11.882	11.882	(1.201)	107111	25.0000	18.779
86 Hexachlorobutadiene	225	12.048	12.048	(1.218)	52457	25.0000	16.854
87 Naphthalene	128	12.119	12.119	(1.225)	150152	25.0000	17.400
88 1,2,3-Trichlorobenzene	180	12.355	12.355	(1.249)	102412	25.0000	18.898
98 Cyclohexane	56	4.534	4.534	(0.905)	142788	25.0000	28.405
143 Methyl Acetate	43	2.948	2.948	(0.589)	195827	50.0000	57.494(A)
144 Methylcyclohexane	83	5.492	5.492	(1.097)	125944	25.0000	24.918(A)
141 1,3,5-Trichlorobenzene	180	11.267	11.267	(1.139)	151255	25.0000	20.735(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UX8025.D
Date : 12-MAY-2005 11:56
Client ID:
Sample Info: 25NC-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8026.D
Lab Smp Id: 50NG-IC
Inj Date : 12-MAY-2005 12:21
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 50NG-IC
Misc Info : P50512A-IC,8260LLUX10,2-8260.SUB,1904,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
Meth Date : 12-May-2005 14:14 a3ux10.i Quant Type: ISTD
Cal Date : 29-APR-2005 00:13 Cal File: UXX7603.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.007	5.007	(1.000)	1066328	50.0000	
* 2 Chlorobenzene-d5	117	7.658	7.658	(1.000)	843767	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.894	9.894	(1.000)	486151	50.0000	
$ 4 Dibromofluoromethane	113	4.439	4.439	(0.887)	223025	50.0000	51.488
$ 5 1,2-Dichloroethane-d4	65	4.723	4.723	(0.943)	259266	50.0000	49.946
$ 6 Toluene-d8	98	6.356	6.356	(0.830)	860020	50.0000	52.245
$ 7 Bromofluorobenzene	95	8.758	8.758	(1.144)	316259	50.0000	53.322
8 Dichlorodifluoromethane	85	1.481	1.481	(0.296)	128148	50.0000	41.664
9 Chloromethane	50	1.623	1.623	(0.324)	299299	50.0000	51.666
10 Vinyl Chloride	62	1.706	1.706	(0.341)	255496	50.0000	47.716
11 Bromomethane	94	1.966	1.966	(0.393)	160286	50.0000	56.251
12 Chloroethane	64	2.049	2.049	(0.409)	170732	50.0000	49.258
13 Trichlorofluoromethane	101	2.250	2.250	(0.449)	291404	50.0000	43.518
15 Acrolein	56	2.558	2.558	(0.511)	300941	500.000	515.41
16 Acetone	43	2.688	2.688	(0.537)	195904	100.000	78.417
17 1,1-Dichloroethene	96	2.664	2.664	(0.532)	184708	50.0000	48.528
18 Freon-113	151	2.664	2.664	(0.532)	142867	50.0000	48.981
19 Iodomethane	142	2.783	2.783	(0.556)	126576	50.0000	47.719
20 Carbon Disulfide	76	2.854	2.854	(0.570)	635675	50.0000	49.359
21 Methylene Chloride	84	3.043	3.043	(0.608)	281108	50.0000	41.626
22 Acetonitrile	41	2.901	2.901	(0.579)	334290	500.000	495.64
23 Acrylonitrile	53	3.220	3.220	(0.643)	925104	500.000	513.46

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8026.D
Report Date: 12-May-2005 14:14

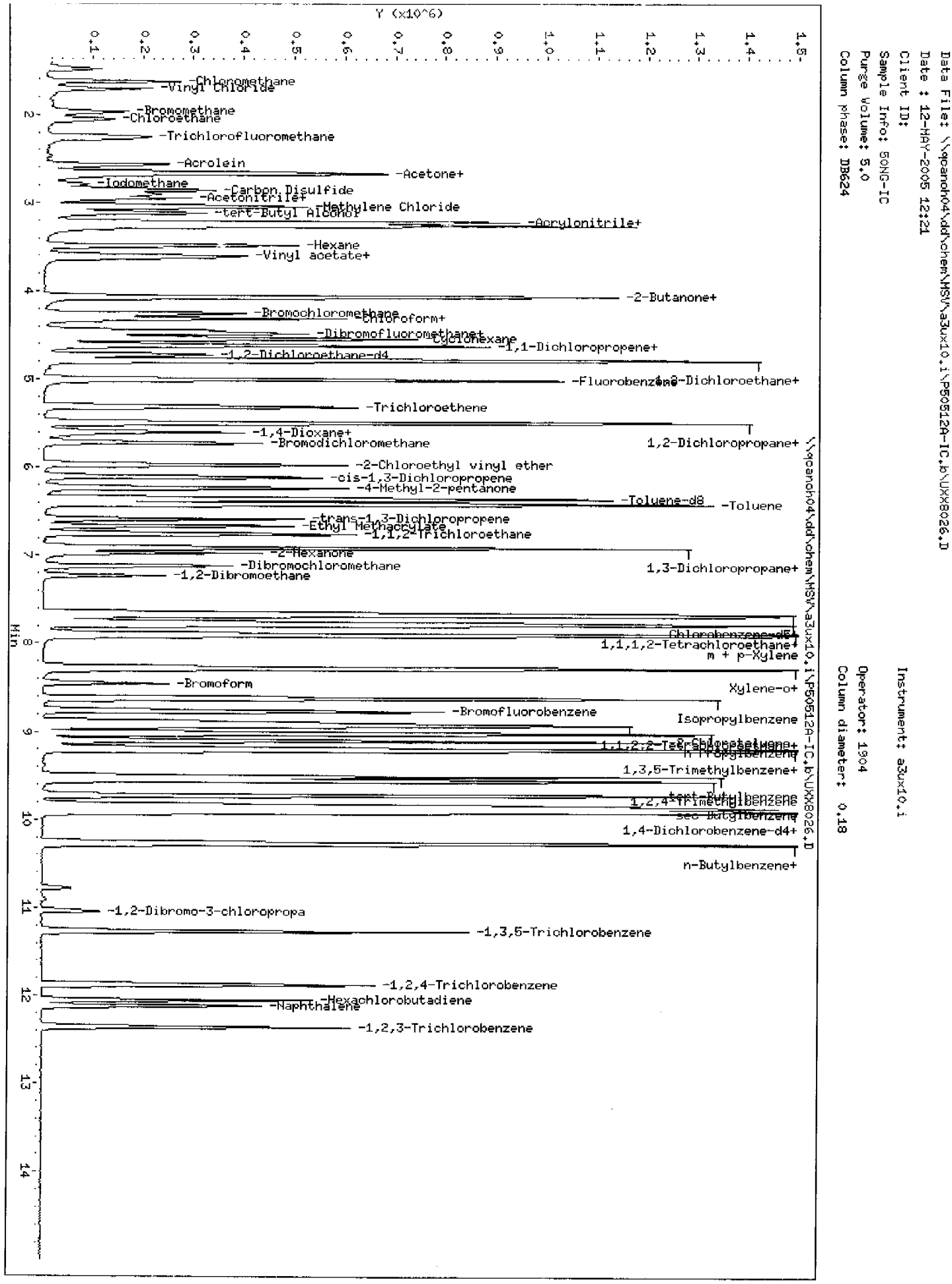
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.256	3.256	(0.650)	515728	50.0000	52.249
25 trans-1,2-Dichloroethene	96	3.256	3.256	(0.650)	240692	50.0000	52.690
26 Hexane	86	3.481	3.481	(0.695)	39336	50.0000	47.420
27 Vinyl acetate	43	3.623	3.623	(0.724)	359250	50.0000	50.731
28 1,1-Dichloroethane	63	3.587	3.587	(0.716)	424902	50.0000	51.715
29 tert-Butyl Alcohol	59	3.114	3.114	(0.622)	333631	1000.00	952.05
30 2-Butanone	43	4.061	4.061	(0.811)	251156	100.000	100.68
32 cis-1,2-dichloroethene	96	4.061	4.061	(0.811)	253100	50.0000	52.796
33 2,2-Dichloropropane	77	4.061	4.061	(0.811)	271268	50.0000	52.856
34 Bromochloromethane	128	4.250	4.250	(0.849)	127994	50.0000	49.723
35 Chloroform	83	4.309	4.309	(0.861)	413224	50.0000	51.514
36 Tetrahydrofuran	42	4.297	4.297	(0.858)	66578	50.0000	48.029
37 1,1,1-Trichloroethane	97	4.475	4.475	(0.894)	317419	50.0000	52.591
38 1,1-Dichloropropene	75	4.605	4.605	(0.920)	265850	50.0000	52.218
39 Carbon Tetrachloride	117	4.617	4.617	(0.922)	271914	50.0000	52.161
40 1,2-Dichloroethane	62	4.782	4.782	(0.955)	338398	50.0000	52.037
41 Benzene	78	4.782	4.782	(0.955)	967633	50.0000	52.296
42 Trichloroethene	130	5.315	5.315	(1.061)	234962	50.0000	48.064
43 1,2-Dichloropropane	63	5.492	5.492	(1.097)	253247	50.0000	53.984
44 1,4-Dioxane	88	5.611	5.611	(1.121)	92334	2500.00	2469.2(A)
45 Dibromomethane	93	5.599	5.599	(1.118)	136310	50.0000	50.886
46 Bromodichloromethane	83	5.717	5.717	(1.142)	298535	50.0000	53.362
47 2-Chloroethyl vinyl ether	63	5.966	5.966	(1.191)	236968	100.000	107.87
48 cis-1,3-Dichloropropene	75	6.108	6.108	(1.220)	324110	50.0000	53.221
49 4-Methyl-2-pentanone	43	6.226	6.226	(1.243)	448085	100.000	110.92
50 Toluene	91	6.415	6.415	(0.838)	1116887	50.0000	55.225
51 trans-1,3-Dichloropropene	75	6.581	6.581	(0.859)	289525	50.0000	53.805
52 Ethyl Methacrylate	69	6.664	6.664	(0.870)	269208	50.0000	54.747
53 1,1,2-Trichloroethane	97	6.747	6.747	(0.881)	214512	50.0000	52.394
54 1,3-Dichloropropane	76	6.900	6.900	(0.901)	360263	50.0000	51.439
55 Tetrachloroethene	164	6.912	6.912	(0.903)	214064	50.0000	51.942
56 2-Hexanone	43	6.971	6.971	(0.910)	317674	100.000	109.14
57 Dibromochloromethane	129	7.113	7.113	(0.929)	216380	50.0000	50.224
58 1,2-Dibromoethane	107	7.232	7.232	(0.944)	199379	50.0000	51.974
59 Chlorobenzene	112	7.681	7.681	(1.003)	738973	50.0000	51.435
60 1,1,1,2-Tetrachloroethane	131	7.752	7.752	(1.012)	253957	50.0000	52.570
61 Ethylbenzene	106	7.776	7.776	(1.015)	379469	50.0000	55.219
62 m + p-Xylene	106	7.894	7.894	(1.031)	962307	100.000	112.94
64 Xylene-o	106	8.273	8.273	(1.080)	450801	50.0000	56.799
65 Styrene	104	8.273	8.273	(1.080)	782699	50.0000	57.684
66 Bromoform	173	8.451	8.451	(1.104)	142806	50.0000	50.496
67 Isopropylbenzene	105	8.616	8.616	(1.125)	963024	50.0000	55.540
68 1,1,2,2-Tetrachloroethane	83	8.888	8.888	(0.898)	270686	50.0000	50.291
69 1,4-Dichloro-2-butene	53	8.936	8.936	(0.903)	80408	50.0000	54.061
70 1,2,3-Trichloropropane	110	8.936	8.936	(0.903)	91750	50.0000	50.987
71 Bromobenzene	156	8.912	8.912	(0.901)	308430	50.0000	51.927
72 n-Propylbenzene	120	9.019	9.019	(0.912)	311122	50.0000	55.892
73 2-Chlorotoluene	126	9.101	9.101	(0.920)	291281	50.0000	53.346
74 1,3,5-Trimethylbenzene	105	9.184	9.184	(0.928)	932576	50.0000	57.804
75 4-Chlorotoluene	126	9.208	9.208	(0.931)	318187	50.0000	54.414
76 tert-Butylbenzene	119	9.504	9.504	(0.961)	749998	50.0000	52.515
77 1,2,4-Trimethylbenzene	105	9.551	9.551	(0.965)	933969	50.0000	59.248
78 sec-Butylbenzene	105	9.717	9.717	(0.982)	1035654	50.0000	54.856
79 4-Isopropyltoluene	119	9.859	9.859	(0.996)	871759	50.0000	55.866

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8026.D
Report Date: 12-May-2005 14:14

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80 1,3-Dichlorobenzene	146	9.823	9.823	(0.993)	584011	50.0000	50.146
81 1,4-Dichlorobenzene	146	9.918	9.918	(1.002)	620473	50.0000	48.981
82 n-Butylbenzene	91	10.261	10.261	(1.037)	665370	50.0000	54.272
83 1,2-Dichlorobenzene	146	10.273	10.273	(1.038)	585996	50.0000	52.037
84 1,2-Dibromo-3-chloropropane	157	11.042	11.042	(1.116)	41427	50.0000	47.178
85 1,2,4-Trichlorobenzene	180	11.870	11.870	(1.200)	260272	50.0000	48.972
86 Hexachlorobutadiene	225	12.048	12.048	(1.218)	124535	50.0000	46.922
87 Naphthalene	128	12.119	12.119	(1.225)	423463	50.0000	51.030
88 1,2,3-Trichlorobenzene	180	12.355	12.355	(1.249)	255236	50.0000	51.580
98 Cyclohexane	56	4.534	4.534	(0.905)	318552	50.0000	52.606
143 Methyl Acetate	43	2.948	2.948	(0.589)	388893	100.000	100.66(A)
144 Methylcyclohexane	83	5.492	5.492	(1.097)	274634	50.0000	49.958(A)
141 1,3,5-Trichlorobenzene	180	11.267	11.267	(1.139)	346886	50.0000	49.336(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 12-MAY-2005 12:21
Client ID:
Sample Info: 50NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide
-Acetonitrile+
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-Fluorobenzene
-1,2-Dichloroethane+
-Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
-Bromofluorobenzene
Isopropylbenzene
1,1,2,2-Tetrachloroethane+
2-Chlorotoluene+
n-Propylbenzene
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8027.D
Report Date: 12-May-2005 14:13

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8027.D
Lab Smp Id: 100NG-IC
Inj Date : 12-MAY-2005 12:46
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 100NG-IC
Misc Info : P50512A-IC,8260LLUX10,2-8260.SUB,1904,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
Meth Date : 12-May-2005 14:13 a3ux10.i Quant Type: ISTD
Cal Date : 29-APR-2005 01:28 Cal File: UXX7606.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.006	5.006	(1.000)	1091345	50.0000	
* 2 Chlorobenzene-d5	117	7.657	7.657	(1.000)	871462	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.893	9.893	(1.000)	484650	50.0000	
$ 4 Dibromofluoromethane	113	4.438	4.438	(0.887)	449915	100.000	102.59
$ 5 1,2-Dichloroethane-d4	65	4.722	4.722	(0.943)	511841	100.000	101.65
$ 6 Toluene-d8	98	6.355	6.355	(0.830)	1809051	100.000	106.67
$ 7 Bromofluorobenzene	95	8.757	8.757	(1.144)	671988	100.000	111.84
8 Dichlorodifluoromethane	85	1.480	1.480	(0.296)	317250	100.000	107.93
9 Chloromethane	50	1.622	1.622	(0.324)	669547	100.000	123.74
10 Vinyl Chloride	62	1.705	1.705	(0.341)	568728	100.000	105.00
11 Bromomethane	94	1.965	1.965	(0.393)	288982	100.000	92.940
12 Chloroethane	64	2.048	2.048	(0.409)	356402	100.000	93.708
13 Trichlorofluoromethane	101	2.249	2.249	(0.449)	701486	100.000	106.33
15 Acrolein	56	2.557	2.557	(0.511)	631836	1000.00	1201.4
16 Acetone	43	2.687	2.687	(0.537)	362643	200.000	152.65
17 1,1-Dichloroethene	96	2.652	2.652	(0.530)	387915	100.000	95.564
18 Freon-113	151	2.652	2.652	(0.530)	291513	100.000	93.220
19 Iodomethane	142	2.782	2.782	(0.556)	291749	100.000	96.759
20 Carbon Disulfide	76	2.853	2.853	(0.570)	1296824	100.000	92.688
21 Methylene Chloride	84	3.042	3.042	(0.608)	539796	100.000	75.884
22 Acetonitrile	41	2.900	2.900	(0.579)	673840	1000.00	1028.4
23 Acrylonitrile	53	3.220	3.220	(0.643)	1952999	1000.00	1157.6

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8027.D
Report Date: 12-May-2005 14:13

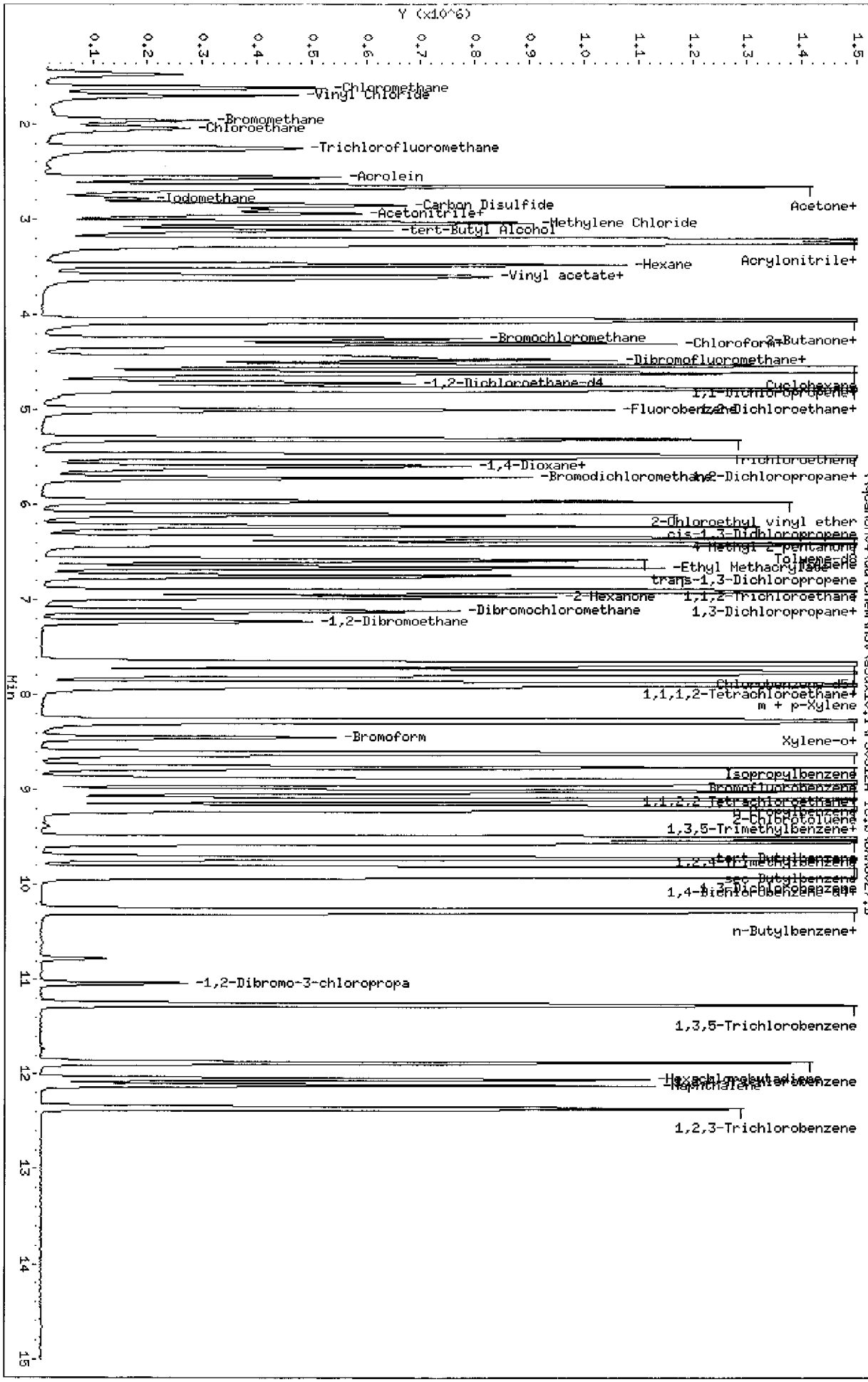
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.255	3.255	(0.650)	1084507	100.000	111.01
25 trans-1,2-Dichloroethene	96	3.255	3.255	(0.650)	484411	100.000	105.22
26 Hexane	86	3.480	3.480	(0.695)	91370	100.000	110.72
27 Vinyl acetate	43	3.622	3.622	(0.723)	801784	100.000	122.68
28 1,1-Dichloroethane	63	3.586	3.586	(0.716)	868149	100.000	108.76
29 tert-Butyl Alcohol	59	3.113	3.113	(0.622)	751439	2000.00	2244.2(A)
30 2-Butanone	43	4.060	4.060	(0.811)	518702	200.000	229.49(A)
32 cis-1,2-dichloroethene	96	4.060	4.060	(0.811)	518834	100.000	107.28
33 2,2-Dichloropropane	77	4.060	4.060	(0.811)	559963	100.000	111.39
34 Bromochloromethane	128	4.249	4.249	(0.849)	262000	100.000	100.63
35 Chloroform	83	4.308	4.308	(0.861)	820081	100.000	102.82
36 Tetrahydrofuran	42	4.296	4.296	(0.858)	138746	100.000	109.24
37 1,1,1-Trichloroethane	97	4.474	4.474	(0.894)	647684	100.000	109.49
38 1,1-Dichloropropene	75	4.604	4.604	(0.920)	565000	100.000	111.95
39 Carbon Tetrachloride	117	4.616	4.616	(0.922)	555677	100.000	107.26
40 1,2-Dichloroethane	62	4.782	4.782	(0.955)	673952	100.000	109.00
41 Benzene	78	4.782	4.782	(0.955)	1942277	100.000	104.28
42 Trichloroethene	130	5.314	5.314	(1.061)	503665	100.000	101.80
43 1,2-Dichloropropane	63	5.492	5.492	(1.097)	498779	100.000	108.56
44 1,4-Dioxane	88	5.622	5.622	(1.123)	214734	5000.00	5509.2(A)
45 Dibromomethane	93	5.598	5.598	(1.118)	278757	100.000	104.56
46 Bromodichloromethane	83	5.716	5.716	(1.142)	597488	100.000	107.74
47 2-Chloroethyl vinyl ether	63	5.965	5.965	(1.191)	545279	200.000	258.31(A)
48 cis-1,3-Dichloropropene	75	6.107	6.107	(1.220)	696419	100.000	114.61
49 4-Methyl-2-pentanone	43	6.225	6.225	(1.243)	971616	200.000	270.30(A)
50 Toluene	91	6.414	6.414	(0.838)	2287448	100.000	112.32
51 trans-1,3-Dichloropropene	75	6.580	6.580	(0.859)	611961	100.000	112.66
52 Ethyl Methacrylate	69	6.663	6.663	(0.870)	602177	100.000	123.93
53 1,1,2-Trichloroethane	97	6.746	6.746	(0.881)	420133	100.000	100.24
54 1,3-Dichloropropane	76	6.900	6.900	(0.901)	740297	100.000	103.96
55 Tetrachloroethene	164	6.911	6.911	(0.903)	423018	100.000	97.628
56 2-Hexanone	43	6.971	6.971	(0.910)	685304	200.000	260.12(A)
57 Dibromochloromethane	129	7.113	7.113	(0.929)	451233	100.000	102.03
58 1,2-Dibromoethane	107	7.231	7.231	(0.944)	402374	100.000	102.65
59 Chlorobenzene	112	7.681	7.681	(1.003)	1524483	100.000	104.59
60 1,1,1,2-Tetrachloroethane	131	7.752	7.752	(1.012)	500148	100.000	100.24
61 Ethylbenzene	106	7.775	7.775	(1.015)	804688	100.000	115.84
62 m + p-Xylene	106	7.894	7.894	(1.031)	2006835	200.000	230.48(A)
64 Xylene-o	106	8.272	8.272	(1.080)	958447	100.000	118.12
65 Styrene	104	8.272	8.272	(1.080)	1645981	100.000	118.51
66 Bromoform	173	8.450	8.450	(1.104)	305586	100.000	101.24
67 Isopropylbenzene	105	8.615	8.615	(1.125)	2154307	100.000	122.51
68 1,1,2,2-Tetrachloroethane	83	8.888	8.888	(0.898)	539070	100.000	104.61
69 1,4-Dichloro-2-butene	53	8.935	8.935	(0.903)	171415	100.000	134.66
70 1,2,3-Trichloropropane	110	8.935	8.935	(0.903)	180197	100.000	104.78
71 Bromobenzene	156	8.911	8.911	(0.901)	635964	100.000	108.48
72 n-Propylbenzene	120	9.018	9.018	(0.911)	659047	100.000	121.79
73 2-Chlorotoluene	126	9.101	9.101	(0.920)	614017	100.000	116.43
74 1,3,5-Trimethylbenzene	105	9.183	9.183	(0.928)	1929447	100.000	124.38
75 4-Chlorotoluene	126	9.207	9.207	(0.931)	650232	100.000	114.71
76 tert-Butylbenzene	119	9.503	9.503	(0.961)	1804145	100.000	135.49
77 1,2,4-Trimethylbenzene	105	9.550	9.550	(0.965)	1896921	100.000	124.94
78 sec-Butylbenzene	105	9.716	9.716	(0.982)	2261845	100.000	123.11
79 4-Isopropyltoluene	119	9.858	9.858	(0.996)	1877053	100.000	122.22

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8027.D
Report Date: 12-May-2005 14:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80 1,3-Dichlorobenzene	146	9.822	9.822	(0.993)	1206274	100.000	104.65
81 1,4-Dichlorobenzene	146	9.917	9.917	(1.002)	1236991	100.000	98.385
82 n-Butylbenzene	91	10.260	10.260	(1.037)	1462049	100.000	120.01
83 1,2-Dichlorobenzene	146	10.284	10.284	(1.039)	1181753	100.000	105.90
84 1,2-Dibromo-3-chloropropane	157	11.041	11.041	(1.116)	88422	100.000	99.331
85 1,2,4-Trichlorobenzene	180	11.881	11.881	(1.201)	588884	100.000	104.11
86 Hexachlorobutadiene	225	12.047	12.047	(1.218)	262423	100.000	87.437
87 Naphthalene	128	12.118	12.118	(1.225)	1032876	100.000	120.68
88 1,2,3-Trichlorobenzene	180	12.366	12.366	(1.250)	549800	100.000	103.57
98 Cyclohexane	56	4.533	4.533	(0.905)	723971	100.000	130.75
143 Methyl Acetate	43	2.947	2.947	(0.589)	776127	200.000	208.97(A)
144 Methylcyclohexane	83	5.492	5.492	(1.097)	637949	100.000	116.91(A)
141 1,3,5-Trichlorobenzene	180	11.266	11.266	(1.139)	737284	100.000	100.52(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 12-MAY-2005 12:46
Client ID:
Sample Info: 100NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Iodomethane
-Carbon Disulfide
-Acetonitrile+
-Methylene Chloride
-tert-Butyl Alcohol
Acetone+
Acrylonitrile+
-Hexane
-Vinyl acetate+
-Bromochloromethane
-Chloroform+
2-Butanone+
-Dibromofluoromethane+
-1,2-Dichloroethane-d4
Cyclohexane
1,1-Dichloropropene+
-Fluorobenzene
1,2-Dichloroethane+
Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene
4-Methyl 2-pentanone
Toluene-d8
-Ethyl Methacrylate
trans-1,3-Dichloropropene
-2-Hexanone
1,1,2-Trichloroethane
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
1,2-Dichlorobenzene
1,2,3-Trichlorobenzene
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Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8028.D
Report Date: 12-May-2005 14:13

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8028.D
Lab Smp Id: 200NG-IC
Inj Date : 12-MAY-2005 13:11
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 200NG-IC
Misc Info : P50512A-IC,8260LLUX10,2-8260.SUB,1904,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
Meth Date : 12-May-2005 14:13 a3ux10.i Quant Type: ISTD
Cal Date : 29-APR-2005 00:38 Cal File: UXX7604.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	4.995	4.995	(1.000)	1097028	50.0000	
* 2 Chlorobenzene-d5	117	7.657	7.657	(1.000)	890217	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.893	9.893	(1.000)	502234	50.0000	
$ 4 Dibromofluoromethane	113	4.438	4.438	(0.889)	883538	200.000	198.92
$ 5 1,2-Dichloroethane-d4	65	4.722	4.722	(0.946)	1078254	200.000	209.60(A)
$ 6 Toluene-d8	98	6.355	6.355	(0.830)	3654822	200.000	210.87(A)
$ 7 Bromofluorobenzene	95	8.757	8.757	(1.144)	1393657	200.000	224.70(A)
8 Dichlorodifluoromethane	85	1.480	1.480	(0.296)	597149	200.000	193.42
9 Chloromethane	50	1.610	1.610	(0.322)	1239511	200.000	216.50(A)
10 Vinyl Chloride	62	1.705	1.705	(0.341)	1092046	200.000	200.05(A)
11 Bromomethane	94	1.954	1.954	(0.391)	437160	200.000	144.63
12 Chloroethane	64	2.036	2.036	(0.408)	653204	200.000	175.23
13 Trichlorofluoromethane	101	2.249	2.249	(0.450)	1286132	200.000	189.08
15 Acrolein	56	2.557	2.557	(0.512)	1227423	2000.00	2179.8(A)
16 Acetone	43	2.687	2.687	(0.538)	631144	400.000	252.63(A)
17 1,1-Dichloroethene	96	2.663	2.663	(0.533)	751555	200.000	185.97
18 Freon-113	151	2.652	2.652	(0.531)	533694	200.000	169.68
19 Iodomethane	142	2.782	2.782	(0.557)	633825	200.000	229.87(A)
20 Carbon Disulfide	76	2.853	2.853	(0.571)	2536057	200.000	183.84
21 Methylene Chloride	84	3.042	3.042	(0.609)	1020366	200.000	144.08
22 Acetonitrile	41	2.900	2.900	(0.581)	1299387	2000.00	1920.0
23 Acrylonitrile	53	3.208	3.208	(0.642)	3843158	2000.00	2165.6(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8028.D
Report Date: 12-May-2005 14:13

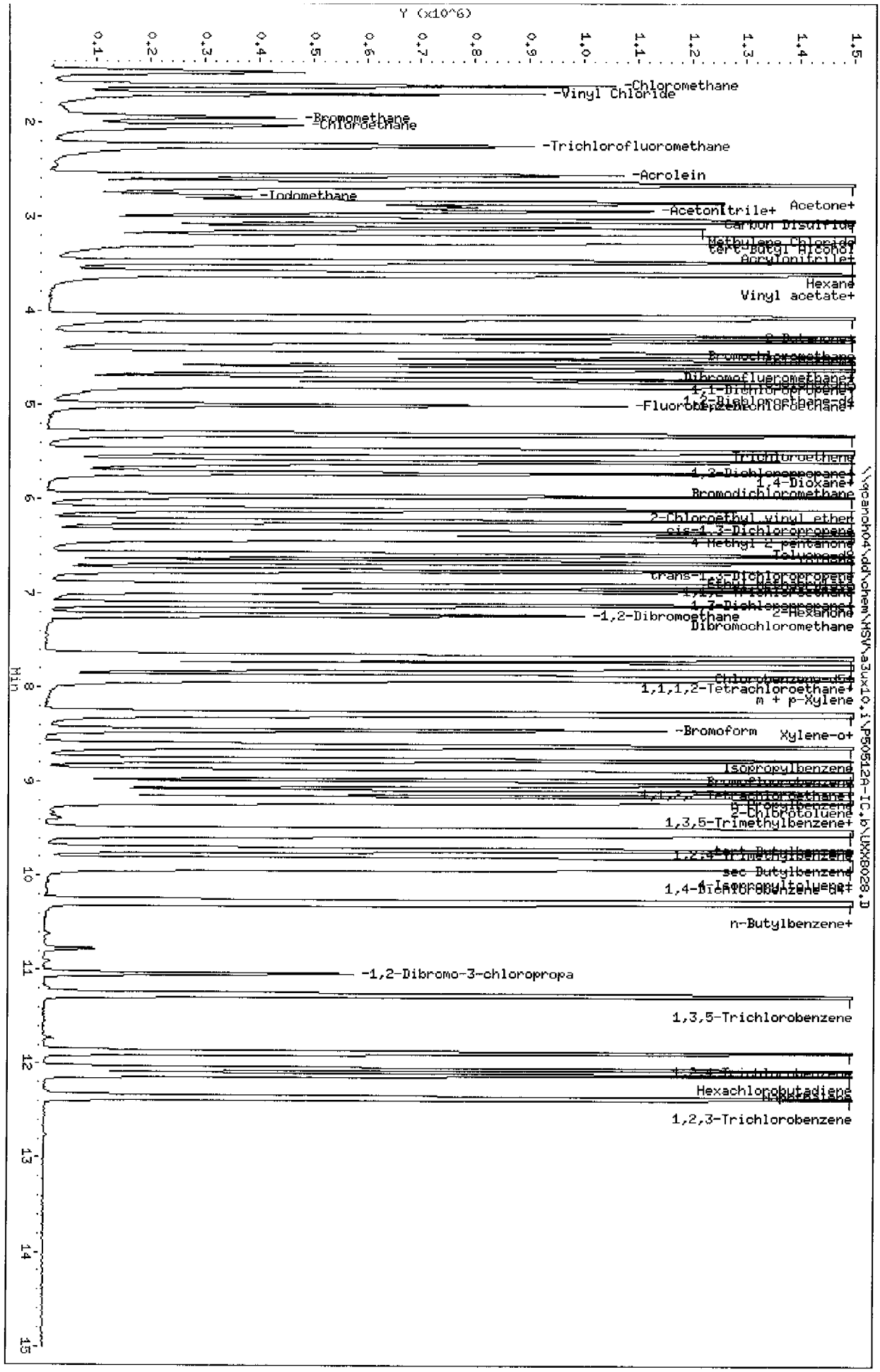
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.255	3.255	(0.652)	2218907	200.000	222.99(A)
25 trans-1,2-Dichloroethene	96	3.255	3.255	(0.652)	950666	200.000	202.83(A)
26 Hexane	86	3.480	3.480	(0.697)	176020	200.000	204.98(A)
27 Vinyl acetate	43	3.610	3.610	(0.723)	1667824	200.000	241.85(A)
28 1,1-Dichloroethane	63	3.586	3.586	(0.718)	1709750	200.000	206.87(A)
29 tert-Butyl Alcohol	59	3.113	3.113	(0.623)	1582673	4000.00	4621.7(A)
30 2-Butanone	43	4.060	4.060	(0.813)	991297	400.000	408.76(A)
32 cis-1,2-dichloroethene	96	4.060	4.060	(0.813)	1023306	200.000	208.37(A)
33 2,2-Dichloropropane	77	4.060	4.060	(0.813)	1117927	200.000	215.32(A)
34 Bromochloromethane	128	4.249	4.249	(0.851)	528068	200.000	200.47(A)
35 Chloroform	83	4.308	4.308	(0.863)	1602365	200.000	196.64
36 Tetrahydrofuran	42	4.296	4.296	(0.860)	286396	200.000	212.92(A)
37 1,1,1-Trichloroethane	97	4.474	4.474	(0.896)	1278232	200.000	208.91(A)
38 1,1-Dichloropropene	75	4.604	4.604	(0.922)	1109021	200.000	213.18(A)
39 Carbon Tetrachloride	117	4.616	4.616	(0.924)	1083723	200.000	202.77(A)
40 1,2-Dichloroethane	62	4.782	4.782	(0.957)	1316724	200.000	203.84(A)
41 Benzene	78	4.782	4.782	(0.957)	3862548	200.000	203.98(A)
42 Trichloroethene	130	5.314	5.314	(1.064)	1015459	200.000	202.44(A)
43 1,2-Dichloropropane	63	5.492	5.492	(1.099)	996324	200.000	210.79(A)
44 1,4-Dioxane	88	5.622	5.622	(1.126)	452272	10000.0	11683(A)
45 Dibromomethane	93	5.598	5.598	(1.121)	543764	200.000	199.55
46 Bromodichloromethane	83	5.716	5.716	(1.145)	1181169	200.000	207.94(A)
47 2-Chloroethyl vinyl ether	63	5.965	5.965	(1.194)	1132725	400.000	519.97(A)
48 cis-1,3-Dichloropropene	75	6.107	6.107	(1.223)	1432985	200.000	231.46(A)
49 4-Methyl-2-pentanone	43	6.225	6.225	(1.246)	1977102	400.000	511.72(A)
50 Toluene	91	6.414	6.414	(0.838)	4517638	200.000	213.78(A)
51 trans-1,3-Dichloropropene	75	6.580	6.580	(0.859)	1276326	200.000	228.18(A)
52 Ethyl Methacrylate	69	6.663	6.663	(0.870)	1261794	200.000	250.54(A)
53 1,1,2-Trichloroethane	97	6.746	6.746	(0.881)	818735	200.000	190.65
54 1,3-Dichloropropane	76	6.900	6.900	(0.901)	1466157	200.000	200.09(A)
55 Tetrachloroethene	164	6.911	6.911	(0.903)	842743	200.000	191.11
56 2-Hexanone	43	6.971	6.971	(0.910)	1394981	400.000	487.32(A)
57 Dibromochloromethane	129	7.113	7.113	(0.929)	901354	200.000	198.92
58 1,2-Dibromoethane	107	7.231	7.231	(0.944)	821943	200.000	205.17(A)
59 Chlorobenzene	112	7.681	7.681	(1.003)	3048687	200.000	202.84(A)
60 1,1,1,2-Tetrachloroethane	131	7.752	7.752	(1.012)	989535	200.000	193.90
61 Ethylbenzene	106	7.775	7.775	(1.015)	1610613	200.000	223.64(A)
62 m + p-Xylene	106	7.894	7.894	(1.031)	4010233	400.000	446.94(A)
64 Xylene-o	106	8.272	8.272	(1.080)	1954964	200.000	234.01(A)
65 Styrene	104	8.272	8.272	(1.080)	3383658	200.000	237.09(A)
66 Bromoform	173	8.450	8.450	(1.104)	621453	200.000	205.08(A)
67 Isopropylbenzene	105	8.615	8.615	(1.125)	4442182	200.000	243.90(A)
68 1,1,2,2-Tetrachloroethane	83	8.888	8.888	(0.898)	1076215	200.000	198.29
69 1,4-Dichloro-2-butene	53	8.935	8.935	(0.903)	349032	200.000	245.00(A)
70 1,2,3-Trichloropropane	110	8.935	8.935	(0.903)	364993	200.000	201.31(A)
71 Bromobenzene	156	8.911	8.911	(0.901)	1285659	200.000	210.20(A)
72 n-Propylbenzene	120	9.018	9.018	(0.911)	1330210	200.000	233.16(A)
73 2-Chlorotoluene	126	9.101	9.101	(0.920)	1233371	200.000	221.47(A)
74 1,3,5-Trimethylbenzene	105	9.183	9.183	(0.928)	3887959	200.000	236.48(A)
75 4-Chlorotoluene	126	9.207	9.207	(0.931)	1282344	200.000	214.34(A)
76 tert-Butylbenzene	119	9.503	9.503	(0.961)	3773819	200.000	263.10(A)
77 1,2,4-Trimethylbenzene	105	9.550	9.550	(0.965)	3881008	200.000	242.10(A)
78 sec-Butylbenzene	105	9.716	9.716	(0.982)	4587613	200.000	236.18(A)
79 4-Isopropyltoluene	119	9.858	9.858	(0.996)	3867371	200.000	240.07(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8028.D
Report Date: 12-May-2005 14:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80 1,3-Dichlorobenzene	146	9.822	9.822	(0.993)	2436615	200.000	202.81(A)
81 1,4-Dichlorobenzene	146	9.917	9.917	(1.002)	2475999	200.000	189.49
82 n-Butylbenzene	91	10.260	10.260	(1.037)	3090860	200.000	242.90(A)
83 1,2-Dichlorobenzene	146	10.284	10.284	(1.039)	2337718	200.000	200.83(A)
84 1,2-Dibromo-3-chloropropane	157	11.041	11.041	(1.116)	198626	200.000	220.20(A)
85 1,2,4-Trichlorobenzene	180	11.881	11.881	(1.201)	1312738	200.000	232.07(A)
86 Hexachlorobutadiene	225	12.047	12.047	(1.218)	522692	200.000	177.60
87 Naphthalene	128	12.118	12.118	(1.225)	2396286	200.000	279.93(A)
88 1,2,3-Trichlorobenzene	180	12.366	12.366	(1.250)	1180294	200.000	224.23(A)
98 Cyclohexane	56	4.533	4.533	(0.908)	1440572	200.000	240.43(A)
143 Methyl Acetate	43	2.947	2.947	(0.590)	1498958	400.000	389.12(A)
144 Methylcyclohexane	83	5.492	5.492	(1.099)	1267357	200.000	223.12(A)
141 1,3,5-Trichlorobenzene	180	11.266	11.266	(1.139)	1542671	200.000	207.16(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 12-MAY-2005 13:11
Client ID:
Sample Info: 200NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Iodomethane
-Acetonitrile+
Acetone+
Carbon Disulfide
Methylene Chloride
tert-Butyl Alcohol
Acrylonitrile+
Hexane
Vinyl acetate+
2-Butanone+
Bromochloromethane
Tetrahydrofuran
Dibromofluoromethane+
4,1-Dichloropropene+
1,2-Dichloroethane-d4
-Fluorobenzene
1,1-Dichloroethane+
Trichloroethene
1,2-Dichloropropane+
1,4-Dioxane+
Bromodichloromethane
2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene
4-Methyl-2-pentanone
Toluene-d8
Toluene
trans-1,3-Dichloropropene
Ethyl Methacrylate
1,1,2-Trichloroethane
1,3-Dichloropropane+
2-Hexanone
-1,2-Dibromoethane
Dibromochloromethane
Chlorobenzene-d5
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
Isopropylbenzene
Bromobenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene+
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
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Report Date: 12-May-2005 14:24

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8029.D
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Inj Date : 12-MAY-2005 13:36
Operator : 1904 Inst ID: a3ux10.i
Smp Info : ICV
Misc Info : P50512A-IC,8260LLUX10,2-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
Meth Date : 12-May-2005 14:22 quayler Quant Type: ISTD
Cal Date : 29-APR-2005 01:03 Cal File: UXX7605.D
Als bottle: 7 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.006	5.008	(1.000)	1168253	50.0000	
* 2 Chlorobenzene-d5	117	7.657	7.658	(1.000)	901770	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.893	9.894	(1.000)	473793	50.0000	
$ 4 Dibromofluoromethane	113	4.438	4.439	(0.887)	230144	48.2565	9.651
$ 5 1,2-Dichloroethane-d4	65	4.722	4.723	(0.943)	272272	46.7522	9.350
$ 6 Toluene-d8	98	6.355	6.356	(0.830)	955958	54.5114	10.902
$ 7 Bromofluorobenzene	95	8.757	8.758	(1.144)	376459	59.0206	11.804(R)
8 Dichlorodifluoromethane	85	1.480	1.482	(0.296)	81137	23.7374	4.747
9 Chloromethane	50	1.622	1.624	(0.324)	242160	36.5253	7.305
10 Vinyl Chloride	62	1.705	1.706	(0.341)	226207	38.1710	7.634
11 Bromomethane	94	1.965	1.967	(0.393)	105475	33.8257	6.765
12 Chloroethane	64	2.048	2.049	(0.409)	158306	42.0512	8.410
13 Trichlorofluoromethane	101	2.249	2.251	(0.449)	329777	44.4504	8.890
15 Acrolein	56	2.557	2.558	(0.511)	172650	255.366	51.073
16 Acetone	43	2.687	2.688	(0.537)	103786	39.6411	7.928
17 1,1 Dichloroethene	96	2.663	2.665	(0.532)	183648	44.7974	8.959
18 Freon-113	151	2.652	2.665	(0.530)	167161	52.7573	10.551
19 Iodomethane	142	2.805	2.783	(0.560)	32347	13.9114	2.782
20 Carbon Disulfide	76	2.853	2.854	(0.570)	565264	40.8639	8.173
21 Methylene Chloride	84	3.042	3.043	(0.608)	258708	42.2438	8.449
22 Acetonitrile	41	2.900	2.901	(0.579)	332701	437.603	87.520
23 Acrylonitrile	53	3.220	3.221	(0.643)	964186	471.118	94.224

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8029.D
Report Date: 12-May-2005 14:24

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.255	3.256	(0.650)	539639	49.5163	9.903
	25 trans-1,2-Dichloroethene	96	3.255	3.256	(0.650)	232235	45.7738	9.155
	26 Hexane	86	3.480	3.481	(0.695)	52604	57.4073	11.481
	27 Vinyl acetate	43	3.480	3.623	(0.695)	201307	25.1193	5.024
	28 1,1-Dichloroethane	63	3.586	3.588	(0.716)	427956	46.1954	9.239
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.060	4.061	(0.811)	120753	42.2975	8.460
M	31 1,2-Dichloroethene (total)	96				476832	91.7369	18.347
	32 cis-1,2-dichloroethene	96	4.060	4.061	(0.811)	244597	45.9631	9.193
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.308	4.309	(0.861)	402068	44.7040	8.941
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.474	4.475	(0.894)	315550	46.5962	9.319
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.616	4.617	(0.922)	280734	47.8918	9.578
	40 1,2-Dichloroethane	62	4.782	4.783	(0.955)	325355	43.8559	8.771
	41 Benzene	78	4.782	4.783	(0.955)	933787	45.3366	9.067
	42 Trichloroethene	130	5.314	5.315	(1.061)	240307	44.9710	8.994
	43 1,2 Dichloropropane	63	5.491	5.493	(1.097)	248318	46.9230	9.384
	44 1,4-Dioxane	88	5.622	5.611	(1.123)	29369	799.498	159.90(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.716	5.718	(1.142)	274733	43.9004	8.780
	47 2-Chloroethyl vinyl ether	63	5.965	5.966	(1.191)	112262	46.2921	9.258
	48 cis-1,3-Dichloropropene	75	6.107	6.108	(1.220)	330434	49.0161	9.803
	49 4-Methyl-2-pentanone	43	6.225	6.226	(1.243)	214292	45.9619	9.192
	50 Toluene	91	6.414	6.416	(0.838)	1083963	49.2820	9.856
	51 trans-1,3-Dichloropropene	75	6.580	6.581	(0.859)	289030	49.6603	9.932
	52 Ethyl Methacrylate	69	6.663	6.664	(0.870)	3150	3.16511	0.6330
	53 1,1,2-Trichloroethane	97	6.746	6.747	(0.881)	201036	45.4995	9.100
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.911	6.913	(0.903)	212209	48.2061	9.641
	56 2-Hexanone	43	6.971	6.972	(0.910)	145591	44.7871	8.957
	57 Dibromochloromethane	129	7.113	7.114	(0.929)	209628	45.5020	9.100
	58 1,2-Dibromoethane	107	7.231	7.232	(0.944)	198775	48.2812	9.656
	59 Chlorobenzene	112	7.681	7.682	(1.003)	732107	47.0819	9.416
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.787	7.777	(1.017)	371127	49.5586	9.912
	62 m + p-Xylene	106	7.894	7.895	(1.031)	956807	103.282	20.656
M	63 Xylenes (total)	106				1404292	150.169	30.034
	64 Xylene-o	106	8.272	8.273	(1.080)	447485	46.8870	9.377
	65 Styrene	104	8.272	8.273	(1.080)	752285	45.7748	9.155
	66 Bromoform	173	8.450	8.451	(1.104)	140128	46.9995	9.400
	67 Isopropylbenzene	105	8.615	8.617	(1.125)	1035437	48.5920	9.718
	68 1,1,2,2-Tetrachloroethane	83	8.888	8.889	(0.898)	262555	49.6328	9.926
	69 1,4-Dichloro-2-butene	53	8.698	8.936	(0.879)	13056	8.54410	1.709
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	8.911	8.913	(0.901)	6443	1.11983	0.2240
	72 n-Propylbenzene	120	9.006	9.019	(0.910)	8308	3.56773	0.7135
	73 2-Chlorotoluene	126	9.100	9.102	(0.920)	6963	1.29891	0.2598
	74 1,3,5-Trimethylbenzene	105	9.183	9.185	(0.928)	31768	4.02666	0.8053
	75 4-Chlorotoluene	126	9.207	9.208	(0.931)	8622	1.49358	0.2987
	76 tert-Butylbenzene	119	9.503	9.504	(0.961)	26802	5.10232	1.020
	77 1,2,4-Trimethylbenzene	105	9.550	9.552	(0.965)	44934	4.98348	0.9967

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8029.D
Report Date: 12-May-2005 14:24

Compounds	QUANT STG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
78 sec-Butylbenzene	105	9.716	9.717	(0.982)	32465	3.94141	0.7883
79 4-Isopropyltoluene	119	9.858	9.859	(0.996)	28652	4.29151	0.8583
80 1,3-Dichlorobenzene	146	9.822	9.824	(0.993)	555391	49.0491	9.810
81 1,4-Dichlorobenzene	146	9.917	9.918	(1.002)	616414	49.8873	9.977
82 n-Butylbenzene	91	10.260	10.261	(1.037)	31831	4.92032	0.9841
83 1,2-Dichlorobenzene	146	10.284	10.273	(1.039)	535898	48.6617	9.732
84 1,2-Dibromo-3-chloropropane	157	11.041	11.042	(1.116)	45045	54.3072	10.861
85 1,2,4-Trichlorobenzene	180	11.881	11.871	(1.201)	253795	44.8411	8.968
86 Hexachlorobutadiene	225	12.047	12.048	(1.218)	13799	5.76368	1.153
87 Naphthalene	128	12.118	12.119	(1.225)	76575	13.4382	2.688
88 1,2,3-Trichlorobenzene	180	12.355	12.356	(1.249)	39911	9.93608	1.987
98 Cyclohexane	56	4.533	4.534	(0.905)	361131	51.8812	10.376
143 Methyl Acetate	43	2.947	2.949	(0.589)	182656	41.9775	8.395(A)
144 Methylcyclohexane	83	5.491	5.493	(1.097)	327195	53.5096	10.702(A)
141 1,3,5-Trichlorobenzene	180	11.266	11.267	(1.139)	28189	4.20417	0.8408(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8029.D
Report Date: 12-May-2005 14:24

STL North Canton

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: ICV
Level: LOW
Data Type: MS DATA
SpikeList File: plexus-ck.spk
Sublist File: 2-8260.SUB
Method File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
Misc Info: P50512A-IC,8260LLUX10,2-8260.SUB,1904,3

Client SDG: SDGa00932
Fraction: VOA

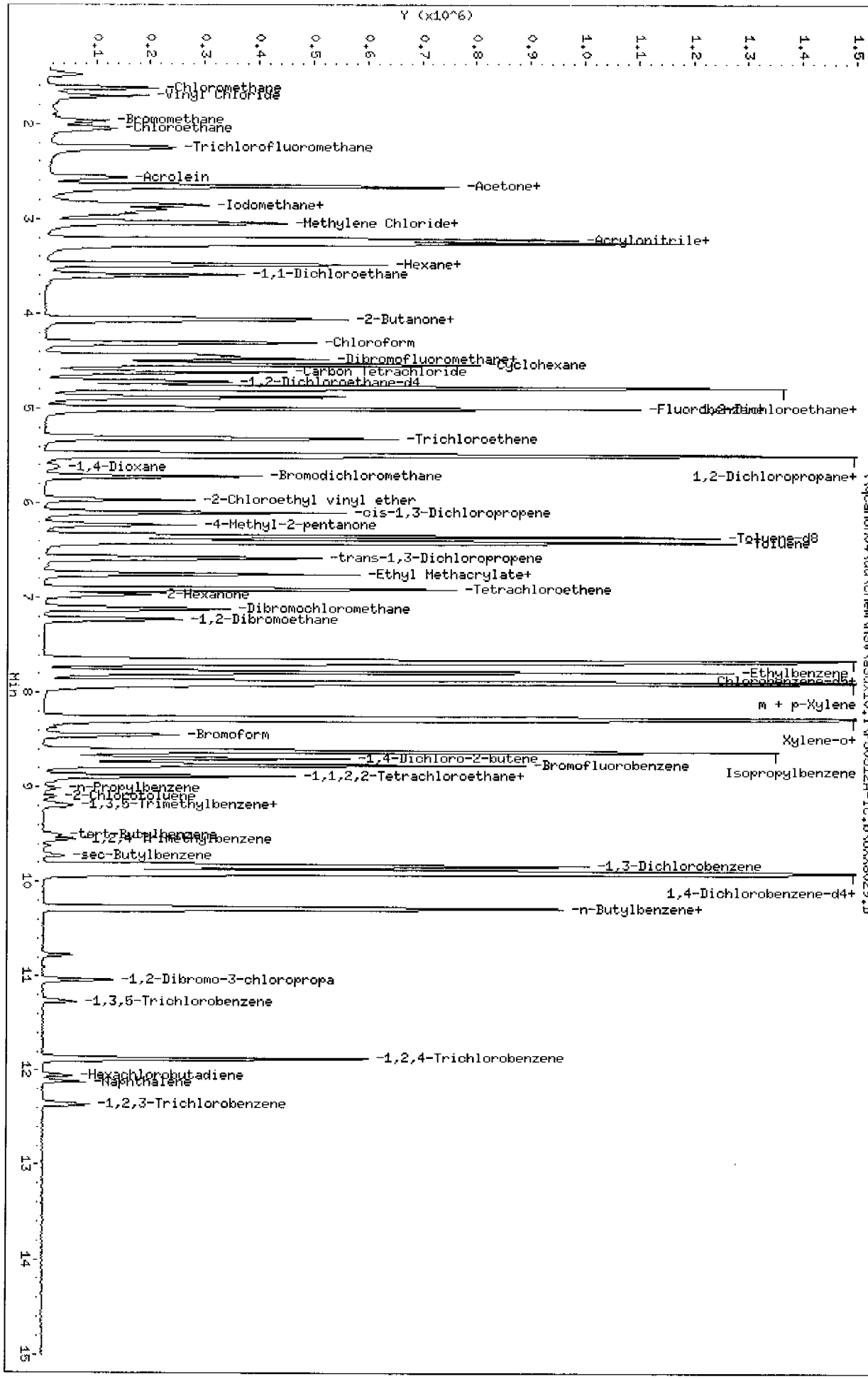
Operator: 1904
SampleType: METHSPIKE
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17 1,1-Dichloroethene	10.000	8.959	89.59	45-155
	42 Trichloroethene	10.000	8.994	89.94	45-155
	59 Chlorobenzene	10.000	9.416	94.16	45-155
	50 Toluene	10.000	9.856	98.56	45-155
	41 Benzene	10.000	9.067	90.67	45-155
	16 Acetone	10.000	7.928	79.28	45-155
	20 Carbon Disulfide	10.000	8.173	81.73	45-155
	9 Chloromethane	10.000	7.305	73.05	45-155
	11 Bromomethane	10.000	6.765	67.65	45-155
	10 Vinyl Chloride	10.000	7.634	76.34	45-155
	12 Chloroethane	10.000	8.410	84.10	45-155
	21 Methylene Chloride	10.000	8.449	84.49	45-155
	28 1,1-Dichloroethane	10.000	9.239	92.39	45-155
M	31 1,2-Dichloroethene	20.000	18.347	91.74	45-155
	35 Chloroform	10.000	8.941	89.41	45-155
	40 1,2-Dichloroethane	10.000	8.771	87.71	45-155
	30 2-Butanone	10.000	8.460	84.60	45-155
	37 1,1,1-Trichloroeth	10.000	9.319	93.19	45-155
	39 Carbon Tetrachlori	10.000	9.578	95.78	45-155
	46 Bromodichlorometha	10.000	8.780	87.80	45-155
	43 1,2-Dichloropropan	10.000	9.384	93.85	45-155
	48 cis-1,3-Dichloropr	10.000	9.803	98.03	45-155
	57 Dibromochlorometha	10.000	9.100	91.00	45-155
	53 1,1,2-Trichloroeth	10.000	9.100	91.00	45-155
	51 trans-1,3-Dichloro	10.000	9.932	99.32	45-155
	66 Bromoform	10.000	9.400	94.00	45-155
	49 4-Methyl-2-pentano	10.000	9.192	91.92	45-155
	56 2-Hexanone	10.000	8.957	89.57	45-155
	55 Tetrachloroethene	10.000	9.641	96.41	45-155
	68 1,1,2,2-Tetrachlor	10.000	9.926	99.27	45-155
	61 Ethylbenzene	10.000	9.912	99.12	45-155
	65 Styrene	10.000	9.155	91.55	45-155
	62 m + p-Xylene	20.000	20.656	103.28	45-155
M	63 Xylenes (total)	30.000	30.034	100.11	45-155
	64 Xylene-o	10.000	9.377	93.77	45-155
	32 cis-1,2-dichloroet	10.000	9.193	91.93	45-155
	25 trans-1,2-Dichloro	10.000	9.155	91.55	45-155
	8 Dichlorodifluorome	10.000	4.747	47.47	45-155
	13 Trichlorofluoromet	10.000	8.890	88.90	45-155
	18 Freon-113	10.000	10.551	105.51	45-155

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8029.D
Report Date: 12-May-2005 14:24

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
24 Methyl tert-butyl	10.000	9.903	99.03	45-155
58 1,2-Dibromoethane	10.000	9.656	96.56	45-155
67 Isopropylbenzene	10.000	9.718	97.18	45-155
80 1,3-Dichlorobenzen	10.000	9.810	98.10	45-155
81 1,4-Dichlorobenzen	10.000	9.977	99.77	45-155
83 1,2-Dichlorobenzen	10.000	9.732	97.32	45-155
84 1,2-Dibromo-3-chlo	10.000	10.861	108.61	45-155
85 1,2,4-Trichloroben	10.000	8.968	89.68	45-155
98 Cyclohexane	10.000	10.376	103.76	45-155
143 Methyl Acetate	10.000	8.395	83.95	45-155
144 Methylcyclohexane	10.000	10.702	107.02	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	9.651	96.51	73-122
$ 5 1,2-Dichloroethane	10.000	9.350	93.50	61-128
$ 6 Toluene-d8	10.000	10.902	109.02	76-110
$ 7 Bromofluorobenzene	10.000	11.804	118.04*	74-116


Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UX8029.D
Date : 12-MAY-2005 13:36
Client ID:
Sample Info: ICV
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-Fluorobenzene
-1,2-Dichloroethane+
-Trichloroethene
-1,4-Dioxane
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate+
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Ethylbenzene
Chlorobenzene-d5+
m + p-Xylene
-Bromoform
Xylene-o+
-1,4-Dichloro-2-butene
-Bromofluorobenzene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UX8029.D

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\8260LLUX10.m
Start Cal Date: 28-APR-2005 11:41
End Cal Date : 31-MAY-2005 12:56
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.00000		
17-MAY-2005 00:36	DIMETHOX	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50516B.b\UXX8140.D
31-MAY-2005 12:56	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50531A-IC.b\UXX8592.D
12-MAY-2005 11:06	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8023.D
Cal Level: 2 , Cal Amount: 10.00000		
17-MAY-2005 00:11	DIMETHOX	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50516B.b\UXX8139.D
31-MAY-2005 12:32	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50531A-IC.b\UXX8591.D
12-MAY-2005 11:31	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8024.D
Cal Level: 3 , Cal Amount: 25.00000		
16-MAY-2005 23:47	DIMETHOX	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50516B.b\UXX8138.D
31-MAY-2005 12:07	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50531A-IC.b\UXX8590.D
12-MAY-2005 11:56	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8025.D
Cal Level: 4 , Cal Amount: 50.00000		
16-MAY-2005 23:22	DIMETHOX	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50516B.b\UXX8137.D
31-MAY-2005 11:42	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50531A-IC.b\UXX8589.D
12-MAY-2005 12:21	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8026.D
Cal Level: 5 , Cal Amount: 100.00000		
16-MAY-2005 22:57	DIMETHOX	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50516B.b\UXX8136.D
31-MAY-2005 11:17	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50531A-IC.b\UXX8588.D

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+-----------------+-----------------+-----------------------------------------------+
| Cal Level: 6 , Cal Amount: 200.00000                                                |
+=================================================================================+
|16-MAY-2005 22:32 |DIMETHOX          |                                                |
|\\qcanoh04\dd\chem\MSV\a3ux10.i\P50516B.b\UXX8135.D                                  |
|31-MAY-2005 10:52 |7-IX+             |                                                |
|\\qcanoh04\dd\chem\MSV\a3ux10.i\P50531A-IC.b\UXX8587.D                                |
|12-MAY-2005 13:11 |2-8260            |                                                |
|\\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8028.D                                |
+-----------------+-----------------+-----------------------------------------------+


Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4
+-----------------+-----------------+-----------------------------------------------+
|01-JUN-2005 22:14 |2-8260            |                                                |
|\\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8669.D                                  |
|01-JUN-2005 22:39 |7-IX+             |                                                |
|\\QCANOH04\DD\chem\MSV\a3ux10.i\P50601B.b\UXX8670.D                                  |
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Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8669.D
Report Date: 02-Jun-2005 08:07

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i Injection Date: 01-JUN-2005 22:14
Lab File ID: UXX8669.D Init. Cal. Date(s): 28-APR-2005 31-MAY-2005
Analysis Type: WATER Init. Cal. Times: 11:41 12:56
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\8260LLUX10.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 4 Dibromofluoromethane	0.20412	0.20818	0.20818	0.010	-1.99128	50.00000	Averaged
$ 5 1,2-Dichloroethane-d4	0.24925	0.24575	0.24575	0.010	1.40227	50.00000	Averaged
$ 6 Toluene-d8	0.97236	1.07297	1.07297	0.010	-10.34764	50.00000	Averaged
$ 7 Bromofluorobenzene	0.35366	0.38053	0.38053	0.010	-7.59847	50.00000	Averaged
8 Dichlorodifluoromethane	0.14629	0.14993	0.14993	0.010	-2.48955	50.00000	Averaged
9 Chloromethane	0.28375	0.27690	0.27690	0.100	2.41471	50.00000	Averaged
10 Vinyl Chloride	0.25363	0.25554	0.25554	0.010	-0.75127	20.00000	Averaged
11 Bromomethane	0.13346	0.13907	0.13907	0.010	-4.20660	50.00000	Averaged
12 Chloroethane	0.16112	0.15747	0.15747	0.010	2.26683	50.00000	Averaged
13 Trichlorofluoromethane	0.31752	0.33449	0.33449	0.010	-5.34162	50.00000	Averaged
15 Acrolein	0.02894	0.02810	0.02810	0.010	2.88720	50.00000	Averaged
16 Acetone	100	78.70328	0.07216	0.010	21.29672	0.000e+000	Wt Linear
17 1,1-Dichloroethene	0.17546	0.17578	0.17578	0.010	-0.18438	20.00000	Averaged
18 Freon-113	0.13561	0.15444	0.15444	0.010	-13.88733	50.00000	Averaged
19 Iodomethane	50.00000	34.19835	0.08093	0.010	31.60330	0.000e+000	Quadratic
20 Carbon Disulfide	0.59203	0.58305	0.58305	0.010	1.51686	50.00000	Averaged
21 Methylene Chloride	50.00000	49.24694	0.25369	0.010	1.50611	0.000e+000	Wt Linear
22 Acetonitrile	0.03254	0.03102	0.03102	0.010	4.66102	50.00000	Averaged
23 Acrylonitrile	0.08759	0.08541	0.08541	0.010	2.49052	50.00000	Averaged
24 Methyl tert-butyl ether	0.46643	0.48814	0.48814	0.010	-4.65333	50.00000	Averaged
25 trans-1,2-Dichloroethene	0.21714	0.23007	0.23007	0.010	-5.95326	50.00000	Averaged
26 Hexane	0.03922	0.04020	0.04020	0.010	-2.49989	20.00000	Averaged
27 Vinyl acetate	0.34299	0.34872	0.34872	0.010	-1.67056	50.00000	Averaged
28 1,1-Dichloroethane	0.39649	0.40510	0.40510	0.100	-2.17049	50.00000	Averaged
29 tert-Butyl Alcohol	0.01642	0.01650	0.01650	0.010	-0.47856	50.00000	Averaged
30 2-Butanone	0.12218	0.10652	0.10652	0.010	12.82027	50.00000	Averaged
M 31 1,2-Dichloroethene (total)	0.22245	0.22793	0.22793	0.010	-2.46166	50.00000	Averaged
32 cis-1,2-dichloroethene	0.22776	0.22578	0.22578	0.010	0.86718	50.00000	Averaged
33 2,2-Dichloropropane	0.24722	0.24932	0.24932	0.010	-0.84842	50.00000	Averaged
34 Bromochloromethane	0.12140	0.11685	0.11685	0.010	3.74698	50.00000	Averaged
35 Chloroform	0.38493	0.38474	0.38474	0.010	0.05060	20.00000	Averaged
36 Tetrahydrofuran	0.06780	0.05296	0.05296	0.010	21.88242	50.00000	Averaged
37 1,1,1-Trichloroethane	0.28984	0.31495	0.31495	0.010	-8.66578	50.00000	Averaged
38 1,1-Dichloropropene	0.24365	0.25901	0.25901	0.010	-6.30570	50.00000	Averaged
39 Carbon Tetrachloride	0.25088	0.27263	0.27263	0.010	-8.67080	50.00000	Averaged
40 1,2-Dichloroethane	0.31751	0.32204	0.32204	0.010	-1.42501	50.00000	Averaged
41 Benzene	0.88152	0.91472	0.91472	0.010	-3.76593	50.00000	Averaged
42 Trichloroethene	0.22870	0.21854	0.21854	0.010	4.44301	50.00000	Averaged
43 1,2-Dichloropropane	0.22649	0.22999	0.22999	0.010	-1.54317	20.00000	Averaged
44 1,4-Dioxane	2500	2512	0.00184	0.010	-0.48699	0.000e+000	Quadratic <-
45 Dibromomethane	0.12736	0.12511	0.12511	0.010	1.76710	50.00000	Averaged
46 Bromodichloromethane	0.26784	0.27303	0.27303	0.010	-1.93926	50.00000	Averaged
47 2-Chloroethyl vinyl ether	100	82.62186	0.09378	0.010	17.37814	0.000e+000	Quadratic

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Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8669.D
Report Date: 02-Jun-2005 08:07

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i Injection Date: 01-JUN-2005 22:14
Lab File ID: UXX8669.D Init. Cal. Date(s): 28-APR-2005 31-MAY-2005
Analysis Type: WATER Init. Cal. Times: 11:41 12:56
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\8260LLUX10.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
48 cis-1,3-Dichloropropene	0.28852	0.28314	0.28314	0.010	1.86457	50.00000	Averaged	
49 4-Methyl-2-pentanone	0.19954	0.18816	0.18816	0.010	5.70375	50.00000	Averaged	
50 Toluene	1.21955	1.29715	1.29715	0.010	-6.36313	20.00000	Averaged	
51 trans-1,3-Dichloropropene	0.32271	0.31890	0.31890	0.010	1.18105	50.00000	Averaged	
52 Ethyl Methacrylate	50.00000	43.29680	0.28696	0.010	13.40639	0.000e+000	Wt Linear	
53 1,1,2-Trichloroethane	0.24499	0.26010	0.26010	0.010	-6.16925	50.00000	Averaged	
54 1,3-Dichloropropane	0.41765	0.43255	0.43255	0.010	-3.56818	50.00000	Averaged	
55 Tetrachloroethene	0.24408	0.26002	0.26002	0.010	-6.53082	50.00000	Averaged	
56 2-Hexanone	0.18024	0.17067	0.17067	0.010	5.31072	50.00000	Averaged	
57 Dibromochloromethane	0.25544	0.25811	0.25811	0.010	-1.04581	50.00000	Averaged	
58 1,2-Dibromoethane	0.22827	0.23426	0.23426	0.010	-2.62022	50.00000	Averaged	
59 Chlorobenzene	0.86217	0.86038	0.86038	0.300	0.20843	50.00000	Averaged	
60 1,1,1,2-Tetrachloroethane	0.28948	0.30394	0.30394	0.010	-4.99419	50.00000	Averaged	
61 Ethylbenzene	0.41522	0.41835	0.41835	0.010	-0.75387	20.00000	Averaged	
62 m + p-Xylene	0.51366	0.56724	0.56724	0.010	-10.43225	50.00000	Averaged	
M 63 Xylenes (total)	150	++++	0.54141	0.010	++++	0.000e+000	Wt Linear	<-
64 Xylene-o	50.00000	46.30284	0.48974	0.010	7.39433	0.000e+000	Wt Linear	
65 Styrene	50.00000	47.93343	0.87576	0.010	4.13314	0.000e+000	Wt Linear	
66 Bromoform	0.16531	0.16534	0.16534	0.100	-0.01504	50.00000	Averaged	
67 Isopropylbenzene	50.00000	44.13614	1.03668	0.010	11.72772	0.000e+000	Wt Linear	
68 1,1,2,2-Tetrachloroethane	0.55826	0.52485	0.52485	0.300	5.98445	50.00000	Averaged	
69 1,4-Dichloro-2-butene	0.16126	0.14084	0.14084	0.010	12.66369	50.00000	Averaged	
70 1,2,3-Trichloropropane	0.18626	0.18059	0.18059	0.010	3.04553	50.00000	Averaged	
71 Bromobenzene	0.60718	0.58821	0.58821	0.010	3.12487	50.00000	Averaged	
72 n-Propylbenzene	50.00000	45.73306	0.58566	0.010	8.53387	0.000e+000	Wt Linear	
73 2-Chlorotoluene	0.56572	0.56779	0.56779	0.010	-0.36593	50.00000	Averaged	
74 1,3,5-Trimethylbenzene	50.00000	46.39209	1.74568	0.010	7.21582	0.000e+000	Wt Linear	
75 4-Chlorotoluene	0.60920	0.60682	0.60682	0.010	0.39025	50.00000	Averaged	
76 tert-Butylbenzene	50.00000	36.05011	1.21732	0.010	27.89979	0.000e+000	Wt Linear	
77 1,2,4-Trimethylbenzene	50.00000	46.98659	1.75219	0.010	6.02682	0.000e+000	Wt Linear	
78 sec-Butylbenzene	50.00000	41.31296	1.79756	0.010	17.37409	0.000e+000	Wt Linear	
79 4-Isopropyltoluene	50.00000	41.60814	1.51285	0.010	16.78373	0.000e+000	Wt Linear	
80 1,3-Dichlorobenzene	1.19495	1.14301	1.14301	0.010	4.34641	50.00000	Averaged	
81 1,4-Dichlorobenzene	1.30396	1.21381	1.21381	0.010	6.91368	50.00000	Averaged	
82 n-Butylbenzene	50.00000	37.00571	1.05031	0.010	25.98857	0.000e+000	Wt Linear	
83 1,2-Dichlorobenzene	1.16219	1.12472	1.12472	0.010	3.22361	50.00000	Averaged	
84 1,2-Dibromo-3-chloropropane	0.08753	0.06800	0.06800	0.010	22.31884	50.00000	Averaged	
85 1,2,4-Trichlorobenzene	50.00000	38.24277	0.45168	0.010	23.51446	0.000e+000	Wt Linear	
86 Hexachlorobutadiene	0.25266	0.22399	0.22399	0.010	11.34447	50.00000	Averaged	
87 Naphthalene	50.00000	38.81452	0.69255	0.010	22.37097	0.000e+000	Quadratic	
88 1,2,3-Trichlorobenzene	50.00000	40.00737	0.43491	0.010	19.98527	0.000e+000	Wt Linear	
98 Cyclohexane	0.29791	0.34156	0.34156	0.010	-14.65290	50.00000	Averaged	
143 Methyl Acetate	0.18623	0.17761	0.17761	0.010	4.62673	50.00000	Averaged	

|_____|_____|_____|_____|____|_____|_____|_____|

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8669.D
Report Date: 02-Jun-2005 08:07

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i Injection Date: 01-JUN-2005 22:14
Lab File ID: UXX8669.D Init. Cal. Date(s): 28-APR-2005 31-MAY-2005
Analysis Type: WATER Init. Cal. Times: 11:41 12:56
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\8260LLUX10.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
144 Methylcyclohexane	0.26170	0.27201	0.27201	0.010	-3.93863	50.00000	Averaged
141 1,3,5-Trichlorobenzene	0.70759	0.59732	0.59732	0.010	15.58323	50.00000	Averaged

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8669.D
Report Date: 02-Jun-2005 08:07

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8669.D
Lab Smp Id: 50NG-CC
Inj Date : 01-JUN-2005 22:14
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 50NG-CC
Misc Info : P50601B,8260LLUX10,2-8260.SUB,1904,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\8260LLUX10.m
Meth Date : 02-Jun-2005 08:07 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	4.998	4.998	(1.000)	1059696	50.0000	
* 2 Chlorobenzene-d5	117	7.660	7.660	(1.000)	792138	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.885	9.885	(1.000)	473260	50.0000	
$ 4 Dibromofluoromethane	113	4.442	4.442	(0.889)	220608	50.0000	50.996
$ 5 1,2-Dichloroethane-d4	65	4.726	4.726	(0.946)	260425	50.0000	49.299
$ 6 Toluene-d8	98	6.359	6.359	(0.830)	849943	50.0000	55.174
$ 7 Bromofluorobenzene	95	8.761	8.761	(1.144)	301436	50.0000	53.799
8 Dichlorodifluoromethane	85	1.484	1.484	(0.297)	158884	50.0000	51.245
9 Chloromethane	50	1.614	1.614	(0.323)	293432	50.0000	48.793
10 Vinyl Chloride	62	1.709	1.709	(0.342)	270793	50.0000	50.376
11 Bromomethane	94	1.969	1.969	(0.394)	147371	50.0000	52.103
12 Chloroethane	64	2.052	2.052	(0.411)	166869	50.0000	48.866
13 Trichlorofluoromethane	101	2.241	2.241	(0.448)	354453	50.0000	52.671
15 Acrolein	56	2.561	2.561	(0.512)	297779	500.000	485.56
16 Acetone	43	2.679	2.679	(0.536)	152943	100.000	78.703
17 1,1-Dichloroethene	96	2.655	2.655	(0.531)	186272	50.0000	50.092
18 Freon-113	151	2.655	2.655	(0.531)	163660	50.0000	56.944
19 Iodomethane	142	2.785	2.785	(0.557)	85763	50.0000	34.198
20 Carbon Disulfide	76	2.845	2.845	(0.569)	617857	50.0000	49.242

21 Methylene Chloride	84	3.034	3.034 (0.607)	268831	50.0000	49.247
22 Acetonitrile	41	2.892	2.892 (0.579)	328745	500.000	476.69
23 Acrylonitrile	53	3.211	3.211 (0.643)	905092	500.000	487.55

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8669.D
Report Date: 02-Jun-2005 08:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.259	3.259	(0.652)	517276	50.0000	52.327
25 trans-1,2-Dichloroethene	96	3.259	3.259	(0.652)	243803	50.0000	52.977
26 Hexane	86	3.484	3.484	(0.697)	42598	50.0000	51.250
27 Vinyl acetate	43	3.614	3.614	(0.723)	369540	50.0000	50.835
28 1,1-Dichloroethane	63	3.590	3.590	(0.718)	429280	50.0000	51.085
29 tert-Butyl Alcohol	59	3.117	3.117	(0.624)	349729	1000.00	1004.8(A)
30 2-Butanone	43	4.063	4.063	(0.813)	225758	100.000	87.180
32 cis-1,2-dichloroethene	96	4.063	4.063	(0.813)	239262	50.0000	49.566
33 2,2-Dichloropropane	77	4.063	4.063	(0.813)	264203	50.0000	50.424
34 Bromochloromethane	128	4.253	4.253	(0.851)	123827	50.0000	48.126
35 Chloroform	83	4.312	4.312	(0.863)	407707	50.0000	49.975
36 Tetrahydrofuran	42	4.300	4.300	(0.860)	56126	50.0000	39.059
37 1,1,1-Trichloroethane	97	4.477	4.477	(0.896)	333753	50.0000	54.333
38 1,1-Dichloropropene	75	4.608	4.608	(0.922)	274473	50.0000	53.153
39 Carbon Tetrachloride	117	4.619	4.619	(0.924)	288909	50.0000	54.335
40 1,2-Dichloroethane	62	4.785	4.785	(0.957)	341263	50.0000	50.712
41 Benzene	78	4.785	4.785	(0.957)	969322	50.0000	51.883
42 Trichloroethene	130	5.318	5.318	(1.064)	231585	50.0000	47.778
43 1,2-Dichloropropane	63	5.495	5.495	(1.099)	243718	50.0000	50.772
44 1,4-Dioxane	88	5.613	5.613	(1.123)	97466	2500.00	2512.2(A)
45 Dibromomethane	93	5.590	5.590	(1.118)	132582	50.0000	49.116
46 Bromodichloromethane	83	5.720	5.720	(1.144)	289333	50.0000	50.970
47 2-Chloroethyl vinyl ether	63	5.968	5.968	(1.194)	198764	100.000	82.622
48 cis-1,3-Dichloropropene	75	6.110	6.110	(1.223)	300045	50.0000	49.068
49 4-Methyl-2-pentanone	43	6.229	6.229	(1.246)	398792	100.000	94.296
50 Toluene	91	6.406	6.406	(0.836)	1027525	50.0000	53.182
51 trans-1,3-Dichloropropene	75	6.584	6.584	(0.859)	252609	50.0000	49.409
52 Ethyl Methacrylate	69	6.667	6.667	(0.870)	227315	50.0000	43.297
53 1,1,2-Trichloroethane	97	6.749	6.749	(0.881)	206035	50.0000	53.085
54 1,3-Dichloropropane	76	6.903	6.903	(0.901)	342641	50.0000	51.784
55 Tetrachloroethene	164	6.915	6.915	(0.903)	205974	50.0000	53.265
56 2-Hexanone	43	6.974	6.974	(0.910)	270388	100.000	94.689
57 Dibromochloromethane	129	7.116	7.116	(0.929)	204462	50.0000	50.523
58 1,2-Dibromoethane	107	7.223	7.223	(0.943)	185563	50.0000	51.310
59 Chlorobenzene	112	7.684	7.684	(1.003)	681537	50.0000	49.896
60 1,1,1,2-Tetrachloroethane	131	7.755	7.755	(1.012)	240763	50.0000	52.497
61 Ethylbenzene	106	7.779	7.779	(1.015)	331391	50.0000	50.377
62 m + p-Xylene	106	7.897	7.897	(1.031)	898672	100.000	110.43
64 Xylene-o	106	8.264	8.264	(1.079)	387940	50.0000	46.303
65 Styrene	104	8.276	8.276	(1.080)	693724	50.0000	47.933
66 Bromoform	173	8.453	8.453	(1.103)	130970	50.0000	50.008
67 Isopropylbenzene	105	8.619	8.619	(1.125)	821195	50.0000	44.136
68 1,1,2,2-Tetrachloroethane	83	8.879	8.879	(0.898)	248389	50.0000	47.008
69 1,4-Dichloro-2-butene	53	8.938	8.938	(0.904)	66653	50.0000	43.668
70 1,2,3-Trichloropropane	110	8.938	8.938	(0.904)	85464	50.0000	48.477
71 Bromobenzene	156	8.915	8.915	(0.902)	278375	50.0000	48.438
72 n-Propylbenzene	120	9.009	9.009	(0.911)	277171	50.0000	45.733
73 2-Chlorotoluene	126	9.104	9.104	(0.921)	268711	50.0000	50.183
74 1,3,5-Trimethylbenzene	105	9.187	9.187	(0.929)	826160	50.0000	46.392
75 4-Chlorotoluene	126	9.211	9.211	(0.932)	287185	50.0000	49.805
76 tert-Butylbenzene	119	9.506	9.506	(0.962)	576109	50.0000	36.050
77 1,2,4-Trimethylbenzene	105	9.554	9.554	(0.966)	829243	50.0000	46.986

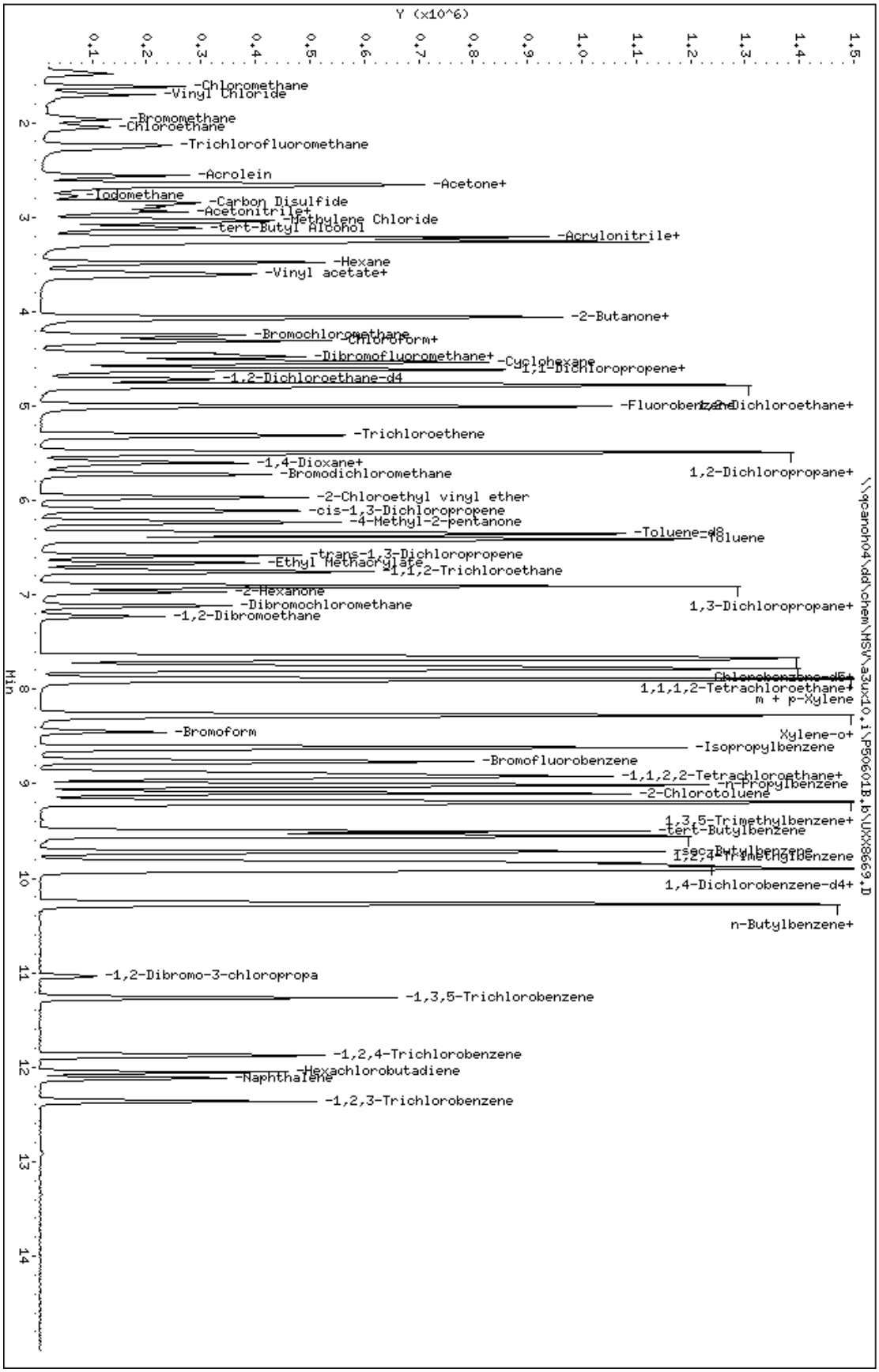
78 sec-Butylbenzene	105	9.719	9.719 (0.983)	850715	50.0000	41.313
79 4-Isopropyltoluene	119	9.861	9.861 (0.998)	715972	50.0000	41.608

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8669.D
Report Date: 02-Jun-2005 08:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80 1,3-Dichlorobenzene	146	9.826	9.826	(0.994)	540941	50.0000	47.827
81 1,4-Dichlorobenzene	146	9.909	9.909	(1.002)	574446	50.0000	46.543
82 n-Butylbenzene	91	10.264	10.264	(1.038)	497070	50.0000	37.006
83 1,2-Dichlorobenzene	146	10.276	10.276	(1.039)	532286	50.0000	48.388
84 1,2-Dibromo-3-chloropropane	157	11.045	11.045	(1.117)	32180	50.0000	38.840
85 1,2,4-Trichlorobenzene	180	11.873	11.873	(1.201)	213762	50.0000	38.243
86 Hexachlorobutadiene	225	12.050	12.050	(1.219)	106007	50.0000	44.328
87 Naphthalene	128	12.121	12.121	(1.226)	327755	50.0000	38.814
88 1,2,3-Trichlorobenzene	180	12.358	12.358	(1.250)	205827	50.0000	40.007
98 Cyclohexane	56	4.537	4.537	(0.908)	361955	50.0000	57.326
143 Methyl Acetate	43	2.939	2.939	(0.588)	376434	100.000	95.373(A)
144 Methylcyclohexane	83	5.495	5.495	(1.099)	288248	50.0000	51.969(A)
141 1,3,5-Trichlorobenzene	180	11.269	11.269	(1.140)	282689	50.0000	42.208(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8669.D
Date : 01-JUN-2005 22:14
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide
-Acetonitrile+
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-Fluorobenzene
1,2-Dichloroethane+
-Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-sec-Butylbenzene
1,2,4-Trimethylbenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8669.D

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\8260LLUX10.m
Start Cal Date: 28-APR-2005 11:41
End Cal Date : 31-MAY-2005 12:56
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.00000		
17-MAY-2005 00:36	DIMETHOX	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50516B.b\UXX8140.D
31-MAY-2005 12:56	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50531A-IC.b\UXX8592.D
12-MAY-2005 11:06	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8023.D
Cal Level: 2 , Cal Amount: 10.00000		
17-MAY-2005 00:11	DIMETHOX	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50516B.b\UXX8139.D
31-MAY-2005 12:32	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50531A-IC.b\UXX8591.D
12-MAY-2005 11:31	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8024.D
Cal Level: 3 , Cal Amount: 25.00000		
16-MAY-2005 23:47	DIMETHOX	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50516B.b\UXX8138.D
31-MAY-2005 12:07	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50531A-IC.b\UXX8590.D
12-MAY-2005 11:56	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8025.D
Cal Level: 4 , Cal Amount: 50.00000		
16-MAY-2005 23:22	DIMETHOX	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50516B.b\UXX8137.D
31-MAY-2005 11:42	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50531A-IC.b\UXX8589.D
12-MAY-2005 12:21	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8026.D
Cal Level: 5 , Cal Amount: 100.00000		
16-MAY-2005 22:57	DIMETHOX	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50516B.b\UXX8136.D
31-MAY-2005 11:17	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50531A-IC.b\UXX8588.D

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|\\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8027.D                                  |
+-----------------+-----------------+-----------------------------------------------+

+-----------------+-----------------+-----------------------------------------------+
| Cal Level: 6 , Cal Amount: 200.00000                                                |
+=================================================================================+
|16-MAY-2005 22:32 |DIMETHOX          |                                                |
|\\qcanoh04\dd\chem\MSV\a3ux10.i\P50516B.b\UXX8135.D                                  |
|31-MAY-2005 10:52 |7-IX+             |                                                |
|\\qcanoh04\dd\chem\MSV\a3ux10.i\P50531A-IC.b\UXX8587.D                                |
|12-MAY-2005 13:11 |2-8260            |                                                |
|\\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8028.D                                |
+-----------------+-----------------+-----------------------------------------------+


Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4
+-----------------+-----------------+-----------------------------------------------+
|03-JUN-2005 22:06 |2-8260            |                                                |
|\\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8780.D                                  |
|03-JUN-2005 22:31 |7-IX+             |                                                |
|\\QCANOH04\DD\chem\MSV\a3ux10.i\P50603B.b\UXX8781.D                                  |
+-----------------+-----------------+-----------------------------------------------+
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Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8780.D
Report Date: 06-Jun-2005 08:23

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i Injection Date: 03-JUN-2005 22:06
Lab File ID: UXX8780.D Init. Cal. Date(s): 28-APR-2005 31-MAY-2005
Analysis Type: WATER Init. Cal. Times: 11:41 12:56
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\8260LLUX10.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 4 Dibromofluoromethane	0.20412	0.21088	0.21088	0.010	-3.31560	50.00000	Averaged
$ 5 1,2-Dichloroethane-d4	0.24925	0.26143	0.26143	0.010	-4.88828	50.00000	Averaged
$ 6 Toluene-d8	0.97236	1.03050	1.03050	0.010	-5.97948	50.00000	Averaged
$ 7 Bromofluorobenzene	0.35366	0.37549	0.37549	0.010	-6.17120	50.00000	Averaged
8 Dichlorodifluoromethane	0.14629	0.11862	0.11862	0.010	18.91279	50.00000	Averaged
9 Chloromethane	0.28375	0.27217	0.27217	0.100	4.08156	50.00000	Averaged
10 Vinyl Chloride	0.25363	0.23645	0.23645	0.010	6.77399	20.00000	Averaged
11 Bromomethane	0.13346	0.07973	0.07973	0.010	40.25717	50.00000	Averaged
12 Chloroethane	0.16112	0.16204	0.16204	0.010	-0.56773	50.00000	Averaged
13 Trichlorofluoromethane	0.31752	0.27254	0.27254	0.010	14.16596	50.00000	Averaged
15 Acrolein	0.02894	0.03161	0.03161	0.010	-9.25009	50.00000	Averaged
16 Acetone	100	76.16412	0.07036	0.010	23.83588	0.000e+000	Wt Linear
17 1,1-Dichloroethene	0.17546	0.17905	0.17905	0.010	-2.05010	20.00000	Averaged
18 Freon-113	0.13561	0.12768	0.12768	0.010	5.84487	50.00000	Averaged
19 Iodomethane	50.00000	36.16817	0.08617	0.010	27.66366	0.000e+000	Quadratic
20 Carbon Disulfide	0.59203	0.59663	0.59663	0.010	-0.77649	50.00000	Averaged
21 Methylene Chloride	50.00000	45.43206	0.23613	0.010	9.13587	0.000e+000	Wt Linear
22 Acetonitrile	0.03254	0.03021	0.03021	0.010	7.14606	50.00000	Averaged
23 Acrylonitrile	0.08759	0.08507	0.08507	0.010	2.87746	50.00000	Averaged
24 Methyl tert-butyl ether	0.46643	0.51193	0.51193	0.010	-9.75541	50.00000	Averaged
25 trans-1,2-Dichloroethene	0.21714	0.23250	0.23250	0.010	-7.07210	50.00000	Averaged
26 Hexane	0.03922	0.03511	0.03511	0.010	10.47848	20.00000	Averaged
27 Vinyl acetate	0.34299	0.39501	0.39501	0.010	-15.16453	50.00000	Averaged
28 1,1-Dichloroethane	0.39649	0.41082	0.41082	0.100	-3.61436	50.00000	Averaged
29 tert-Butyl Alcohol	0.01642	0.01697	0.01697	0.010	-3.35262	50.00000	Averaged
30 2-Butanone	0.12218	0.10673	0.10673	0.010	12.64869	50.00000	Averaged
M 31 1,2-Dichloroethene (total)	0.22245	0.23012	0.23012	0.010	-3.44685	50.00000	Averaged
32 cis-1,2-dichloroethene	0.22776	0.22774	0.22774	0.010	0.00941	50.00000	Averaged
33 2,2-Dichloropropane	0.24722	0.25945	0.25945	0.010	-4.94444	50.00000	Averaged
34 Bromochloromethane	0.12140	0.11712	0.11712	0.010	3.52369	50.00000	Averaged
35 Chloroform	0.38493	0.39025	0.39025	0.010	-1.38198	20.00000	Averaged
36 Tetrahydrofuran	0.06780	0.05451	0.05451	0.010	19.60805	50.00000	Averaged
37 1,1,1-Trichloroethane	0.28984	0.32039	0.32039	0.010	-10.54149	50.00000	Averaged
38 1,1-Dichloropropene	0.24365	0.25713	0.25713	0.010	-5.53214	50.00000	Averaged
39 Carbon Tetrachloride	0.25088	0.26287	0.26287	0.010	-4.77871	50.00000	Averaged
40 1,2-Dichloroethane	0.31751	0.32025	0.32025	0.010	-0.86196	50.00000	Averaged
41 Benzene	0.88152	0.91891	0.91891	0.010	-4.24125	50.00000	Averaged
42 Trichloroethene	0.22870	0.22688	0.22688	0.010	0.79680	50.00000	Averaged
43 1,2-Dichloropropane	0.22649	0.23432	0.23432	0.010	-3.45737	20.00000	Averaged
44 1,4-Dioxane	2500	2271	0.00165	0.010	9.16792	0.000e+000	Quadratic <-
45 Dibromomethane	0.12736	0.12422	0.12422	0.010	2.46954	50.00000	Averaged
46 Bromodichloromethane	0.26784	0.27733	0.27733	0.010	-3.54176	50.00000	Averaged
47 2-Chloroethyl vinyl ether	100	94.23772	0.10851	0.010	5.76228	0.000e+000	Quadratic

|_____|_____|_____|_____|____|_____|_____|_____|

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8780.D
Report Date: 06-Jun-2005 08:23

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i Injection Date: 03-JUN-2005 22:06
Lab File ID: UXX8780.D Init. Cal. Date(s): 28-APR-2005 31-MAY-2005
Analysis Type: WATER Init. Cal. Times: 11:41 12:56
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\8260LLUX10.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
48 cis-1,3-Dichloropropene	0.28852	0.29953	0.29953	0.010	-3.81680	50.00000	Averaged
49 4-Methyl-2-pentanone	0.19954	0.19933	0.19933	0.010	0.10783	50.00000	Averaged
50 Toluene	1.21955	1.33499	1.33499	0.010	-9.46526	20.00000	Averaged
51 trans-1,3-Dichloropropene	0.32271	0.33348	0.33348	0.010	-3.33923	50.00000	Averaged
52 Ethyl Methacrylate	50.00000	45.37560	0.30165	0.010	9.24880	0.000e+000	Wt Linear
53 1,1,2-Trichloroethane	0.24499	0.25739	0.25739	0.010	-5.06397	50.00000	Averaged
54 1,3-Dichloropropane	0.41765	0.43501	0.43501	0.010	-4.15627	50.00000	Averaged
55 Tetrachloroethene	0.24408	0.25673	0.25673	0.010	-5.18211	50.00000	Averaged
56 2-Hexanone	0.18024	0.17262	0.17262	0.010	4.22725	50.00000	Averaged
57 Dibromochloromethane	0.25544	0.26171	0.26171	0.010	-2.45350	50.00000	Averaged
58 1,2-Dibromoethane	0.22827	0.23388	0.23388	0.010	-2.45385	50.00000	Averaged
59 Chlorobenzene	0.86217	0.87153	0.87153	0.300	-1.08506	50.00000	Averaged
60 1,1,1,2-Tetrachloroethane	0.28948	0.30451	0.30451	0.010	-5.18955	50.00000	Averaged
61 Ethylbenzene	0.41522	0.43141	0.43141	0.010	-3.89997	20.00000	Averaged
62 m + p-Xylene	0.51366	0.57353	0.57353	0.010	-11.65627	50.00000	Averaged
M 63 Xylenes (total)	150	++++	0.55702	0.010	++++	0.000e+000	Wt Linear <-
64 Xylene-o	50.00000	49.38591	0.52400	0.010	1.22819	0.000e+000	Wt Linear
65 Styrene	50.00000	49.37827	0.90356	0.010	1.24345	0.000e+000	Wt Linear
66 Bromoform	0.16531	0.15480	0.15480	0.100	6.36057	50.00000	Averaged
67 Isopropylbenzene	50.00000	46.70130	1.10090	0.010	6.59739	0.000e+000	Wt Linear
68 1,1,2,2-Tetrachloroethane	0.55826	0.55145	0.55145	0.300	1.21851	50.00000	Averaged
69 1,4-Dichloro-2-butene	0.16126	0.13180	0.13180	0.010	18.26814	50.00000	Averaged
70 1,2,3-Trichloropropane	0.18626	0.18704	0.18704	0.010	-0.41711	50.00000	Averaged
71 Bromobenzene	0.60718	0.65922	0.65922	0.010	-8.57132	50.00000	Averaged
72 n-Propylbenzene	50.00000	49.79939	0.64045	0.010	0.40122	0.000e+000	Wt Linear
73 2-Chlorotoluene	0.56572	0.63133	0.63133	0.010	-11.59789	50.00000	Averaged
74 1,3,5-Trimethylbenzene	50.00000	51.54276	1.94976	0.010	-3.08552	0.000e+000	Wt Linear
75 4-Chlorotoluene	0.60920	0.67768	0.67768	0.010	-11.24015	50.00000	Averaged
76 tert-Butylbenzene	50.00000	42.71607	1.46734	0.010	14.56786	0.000e+000	Wt Linear
77 1,2,4-Trimethylbenzene	50.00000	51.67710	1.93727	0.010	-3.35421	0.000e+000	Wt Linear
78 sec-Butylbenzene	50.00000	46.82385	2.05253	0.010	6.35230	0.000e+000	Wt Linear
79 4-Isopropyltoluene	50.00000	47.44449	1.74000	0.010	5.11102	0.000e+000	Wt Linear
80 1,3-Dichlorobenzene	1.19495	1.24634	1.24634	0.010	-4.30103	50.00000	Averaged
81 1,4-Dichlorobenzene	1.30396	1.27327	1.27327	0.010	2.35321	50.00000	Averaged
82 n-Butylbenzene	50.00000	42.36152	1.21442	0.010	15.27695	0.000e+000	Wt Linear
83 1,2-Dichlorobenzene	1.16219	1.20899	1.20899	0.010	-4.02705	50.00000	Averaged
84 1,2-Dibromo-3-chloropropane	0.08753	0.07911	0.07911	0.010	9.62151	50.00000	Averaged
85 1,2,4-Trichlorobenzene	50.00000	40.12099	0.47559	0.010	19.75802	0.000e+000	Wt Linear
86 Hexachlorobutadiene	0.25266	0.24740	0.24740	0.010	2.07839	50.00000	Averaged
87 Naphthalene	50.00000	39.87067	0.71512	0.010	20.25865	0.000e+000	Quadratic
88 1,2,3-Trichlorobenzene	50.00000	43.04762	0.47037	0.010	13.90476	0.000e+000	Wt Linear
98 Cyclohexane	0.29791	0.30181	0.30181	0.010	-1.30977	50.00000	Averaged
143 Methyl Acetate	0.18623	0.16963	0.16963	0.010	8.91387	50.00000	Averaged

|_____|_____|_____|_____|____|_____|_____|_____|

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8780.D
Report Date: 06-Jun-2005 08:23

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i Injection Date: 03-JUN-2005 22:06
Lab File ID: UXX8780.D Init. Cal. Date(s): 28-APR-2005 31-MAY-2005
Analysis Type: WATER Init. Cal. Times: 11:41 12:56
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\8260LLUX10.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
144 Methylcyclohexane	0.26170	0.23817	0.23817	0.010	8.99300	50.00000	Averaged
141 1,3,5-Trichlorobenzene	0.70759	0.65533	0.65533	0.010	7.38521	50.00000	Averaged

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8780.D
Report Date: 06-Jun-2005 08:23

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8780.D
Lab Smp Id: 50NG-CC
Inj Date : 03-JUN-2005 22:06
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 50NG-CC
Misc Info : P50603B,8260LLUX10,2-8260.SUB,1904,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\8260LLUX10.m
Meth Date : 06-Jun-2005 08:23 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 31 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.007	5.007	(1.000)	1099763	50.0000	
* 2 Chlorobenzene-d5	117	7.658	7.658	(1.000)	827267	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.894	9.894	(1.000)	457700	50.0000	
$ 4 Dibromofluoromethane	113	4.439	4.439	(0.887)	231922	50.0000	51.658
$ 5 1,2-Dichloroethane-d4	65	4.723	4.723	(0.943)	287515	50.0000	52.444
$ 6 Toluene-d8	98	6.356	6.356	(0.830)	852498	50.0000	52.990
$ 7 Bromofluorobenzene	95	8.758	8.758	(1.144)	310628	50.0000	53.086
8 Dichlorodifluoromethane	85	1.481	1.481	(0.296)	130458	50.0000	40.544
9 Chloromethane	50	1.623	1.623	(0.324)	299325	50.0000	47.959
10 Vinyl Chloride	62	1.706	1.706	(0.341)	260041	50.0000	46.613
11 Bromomethane	94	1.966	1.966	(0.393)	87684	50.0000	29.871
12 Chloroethane	64	2.049	2.049	(0.409)	178201	50.0000	50.284
13 Trichlorofluoromethane	101	2.238	2.238	(0.447)	299734	50.0000	42.917
15 Acrolein	56	2.558	2.558	(0.511)	347662	500.000	546.25
16 Acetone	43	2.676	2.676	(0.534)	154759	100.000	76.164
17 1,1-Dichloroethene	96	2.653	2.653	(0.530)	196915	50.0000	51.025
18 Freon-113	151	2.653	2.653	(0.530)	140420	50.0000	47.078
19 Iodomethane	142	2.783	2.783	(0.556)	94768	50.0000	36.168
20 Carbon Disulfide	76	2.842	2.842	(0.568)	656150	50.0000	50.388

21 Methylene Chloride	84	3.043	3.043 (0.608)	259682	50.0000	45.432
22 Acetonitrile	41	2.901	2.901 (0.579)	332282	500.000	464.27
23 Acrylonitrile	53	3.209	3.209 (0.641)	935586	500.000	485.61

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8780.D
Report Date: 06-Jun-2005 08:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.256	3.256	(0.650)	563006	50.0000	54.878
25 trans-1,2-Dichloroethene	96	3.256	3.256	(0.650)	255693	50.0000	53.536
26 Hexane	86	3.481	3.481	(0.695)	38611	50.0000	44.761
27 Vinyl acetate	43	3.623	3.623	(0.724)	434413	50.0000	57.582
28 1,1-Dichloroethane	63	3.587	3.587	(0.716)	451807	50.0000	51.807
29 tert-Butyl Alcohol	59	3.114	3.114	(0.622)	373334	1000.00	1033.5(A)
30 2-Butanone	43	4.061	4.061	(0.811)	234755	100.000	87.351
32 cis-1,2-dichloroethene	96	4.061	4.061	(0.811)	250457	50.0000	49.995
33 2,2-Dichloropropane	77	4.061	4.061	(0.811)	285329	50.0000	52.472
34 Bromochloromethane	128	4.250	4.250	(0.849)	128807	50.0000	48.238
35 Chloroform	83	4.309	4.309	(0.861)	429187	50.0000	50.691
36 Tetrahydrofuran	42	4.297	4.297	(0.858)	59944	50.0000	40.196
37 1,1,1-Trichloroethane	97	4.475	4.475	(0.894)	352351	50.0000	55.271
38 1,1-Dichloropropene	75	4.605	4.605	(0.920)	282778	50.0000	52.766
39 Carbon Tetrachloride	117	4.617	4.617	(0.922)	289094	50.0000	52.389
40 1,2-Dichloroethane	62	4.782	4.782	(0.955)	352200	50.0000	50.431
41 Benzene	78	4.782	4.782	(0.955)	1010580	50.0000	52.121
42 Trichloroethene	130	5.315	5.315	(1.061)	249512	50.0000	49.602
43 1,2-Dichloropropane	63	5.492	5.492	(1.097)	257701	50.0000	51.729
44 1,4-Dioxane	88	5.623	5.623	(1.123)	90653	2500.00	2270.8(A)
45 Dibromomethane	93	5.599	5.599	(1.118)	136611	50.0000	48.765
46 Bromodichloromethane	83	5.717	5.717	(1.142)	304993	50.0000	51.771
47 2-Chloroethyl vinyl ether	63	5.966	5.966	(1.191)	238679	100.000	94.238
48 cis-1,3-Dichloropropene	75	6.108	6.108	(1.220)	329417	50.0000	51.908
49 4-Methyl-2-pentanone	43	6.226	6.226	(1.243)	438431	100.000	99.892
50 Toluene	91	6.415	6.415	(0.838)	1104390	50.0000	54.733
51 trans-1,3-Dichloropropene	75	6.581	6.581	(0.859)	275879	50.0000	51.670
52 Ethyl Methacrylate	69	6.664	6.664	(0.870)	249543	50.0000	45.376
53 1,1,2-Trichloroethane	97	6.747	6.747	(0.881)	212932	50.0000	52.532
54 1,3-Dichloropropane	76	6.901	6.901	(0.901)	359868	50.0000	52.078
55 Tetrachloroethene	164	6.912	6.912	(0.903)	212385	50.0000	52.591
56 2-Hexanone	43	6.972	6.972	(0.910)	285610	100.000	95.773
57 Dibromochloromethane	129	7.114	7.114	(0.929)	216504	50.0000	51.227
58 1,2-Dibromoethane	107	7.232	7.232	(0.944)	193478	50.0000	51.227
59 Chlorobenzene	112	7.681	7.681	(1.003)	720987	50.0000	50.542
60 1,1,1,2-Tetrachloroethane	131	7.752	7.752	(1.012)	251908	50.0000	52.595
61 Ethylbenzene	106	7.788	7.788	(1.017)	356894	50.0000	51.950
62 m + p-Xylene	106	7.894	7.894	(1.031)	948928	100.000	111.66
64 Xylene-o	106	8.273	8.273	(1.080)	433486	50.0000	49.386
65 Styrene	104	8.273	8.273	(1.080)	747484	50.0000	49.378
66 Bromoform	173	8.451	8.451	(1.104)	128059	50.0000	46.820
67 Isopropylbenzene	105	8.616	8.616	(1.125)	910736	50.0000	46.701
68 1,1,2,2-Tetrachloroethane	83	8.888	8.888	(0.898)	252400	50.0000	49.391
69 1,4-Dichloro-2-butene	53	8.936	8.936	(0.903)	60325	50.0000	40.866
70 1,2,3-Trichloropropane	110	8.936	8.936	(0.903)	85606	50.0000	50.208
71 Bromobenzene	156	8.912	8.912	(0.901)	301727	50.0000	54.286
72 n-Propylbenzene	120	9.019	9.019	(0.912)	293135	50.0000	49.799
73 2-Chlorotoluene	126	9.101	9.101	(0.920)	288959	50.0000	55.799
74 1,3,5-Trimethylbenzene	105	9.184	9.184	(0.928)	892406	50.0000	51.543
75 4-Chlorotoluene	126	9.208	9.208	(0.931)	310172	50.0000	55.620
76 tert-Butylbenzene	119	9.504	9.504	(0.961)	671601	50.0000	42.716
77 1,2,4-Trimethylbenzene	105	9.551	9.551	(0.965)	886689	50.0000	51.677

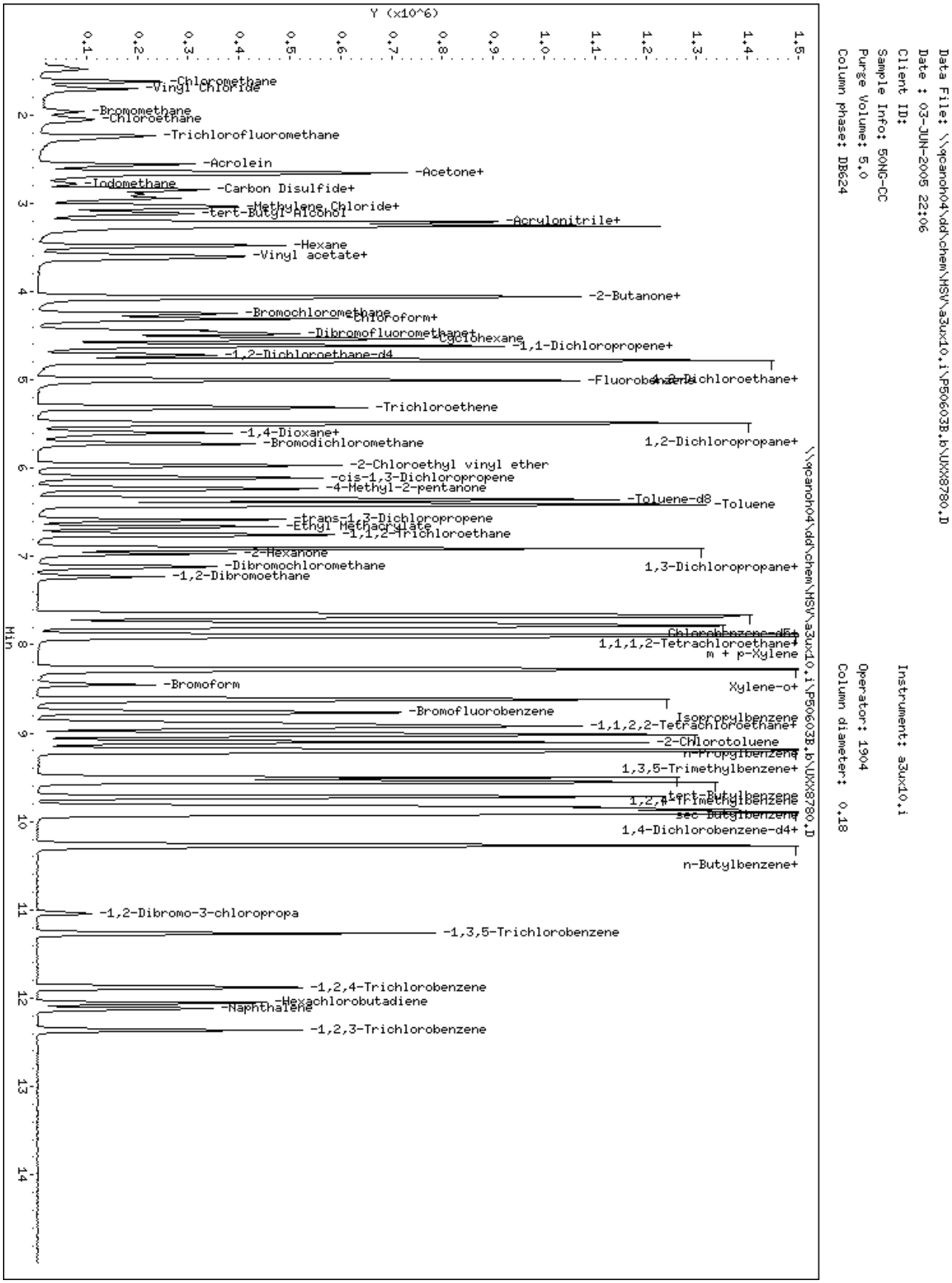
78 sec-Butylbenzene	105	9.717	9.717 (0.982)	939444	50.0000	46.824
79 4-Isopropyltoluene	119	9.859	9.859 (0.996)	796400	50.0000	47.444

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8780.D
Report Date: 06-Jun-2005 08:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80 1,3-Dichlorobenzene	146	9.835	9.835	(0.994)	570451	50.0000	52.150
81 1,4-Dichlorobenzene	146	9.918	9.918	(1.002)	582777	50.0000	48.823
82 n-Butylbenzene	91	10.261	10.261	(1.037)	555839	50.0000	42.362
83 1,2-Dichlorobenzene	146	10.285	10.285	(1.039)	553354	50.0000	52.014
84 1,2-Dibromo-3-chloropropane	157	11.042	11.042	(1.116)	36209	50.0000	45.189
85 1,2,4-Trichlorobenzene	180	11.882	11.882	(1.201)	217676	50.0000	40.121
86 Hexachlorobutadiene	225	12.060	12.060	(1.219)	113237	50.0000	48.961
87 Naphthalene	128	12.119	12.119	(1.225)	327310	50.0000	39.871
88 1,2,3-Trichlorobenzene	180	12.367	12.367	(1.250)	215287	50.0000	43.048
98 Cyclohexane	56	4.534	4.534	(0.905)	331924	50.0000	50.655
143 Methyl Acetate	43	2.948	2.948	(0.589)	373106	100.000	91.086(A)
144 Methylcyclohexane	83	5.492	5.492	(1.097)	261928	50.0000	45.504(A)
141 1,3,5-Trichlorobenzene	180	11.267	11.267	(1.139)	299945	50.0000	46.307(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8780.D
Date : 03-JUN-2005 22:06
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide+
-Methylene Chloride+
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-Fluorobenzene
-1,2-Dichloroethane+
-Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
-Bromofluorobenzene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane+
-2-Chlorotoluene
n-Propylbenzene
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene

RAW QC DATA

STL North Canton

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527-IC.b\BFB215.D
Lab Smp Id: 50NG INJECTION OF B Client Smp ID: 50NG BFB
Inj Date : 27-MAY-2005 08:35
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 50NG INJECTION OF BFB
Misc Info : N50527-IC,BFBUX9,,1819
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50527-IC.b\BFBUX9.m
Meth Date : 03-Sep-2002 15:09 target Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 6 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.522	3.500	0.022	95	139904			100.00- 100.00	100.00
3.522	3.500	0.022	50	34760			15.00- 40.00	24.85
3.522	3.500	0.022	75	60320			30.00- 60.00	43.12
3.522	3.500	0.022	96	9077			5.00- 9.00	6.49
3.522	3.500	0.022	173	582			0.00- 2.00	0.57
3.522	3.500	0.022	174	102224			50.00- 120.00	73.07
3.522	3.500	0.022	175	7448			5.00- 9.00	7.29
3.522	3.500	0.022	176	100864			95.00- 101.00	98.67
3.522	3.500	0.022	177	6136			5.00- 9.00	6.08

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\BFB215.D

Page 1

Date : 27-MAY-2005 08:35

Client ID: 50NG BFB

Instrument: a3ux9.i

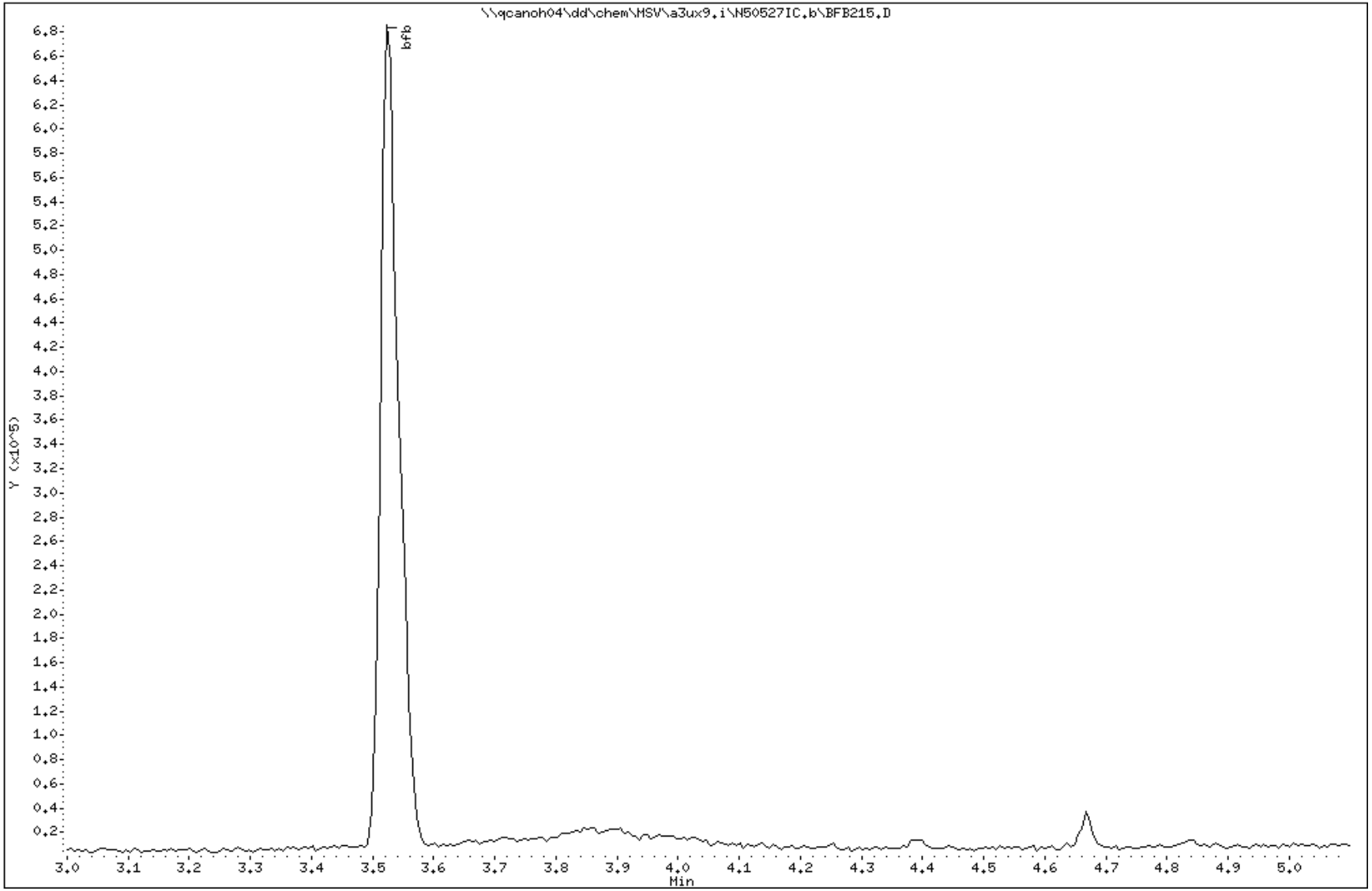
Sample Info: 50NG INJECTION OF BFB

Volume Injected (uL): 1.0

Operator: 1819

Column phase: DB624 75M

Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\BFB215.D Page 2

Date : 27-MAY-2005 08:35

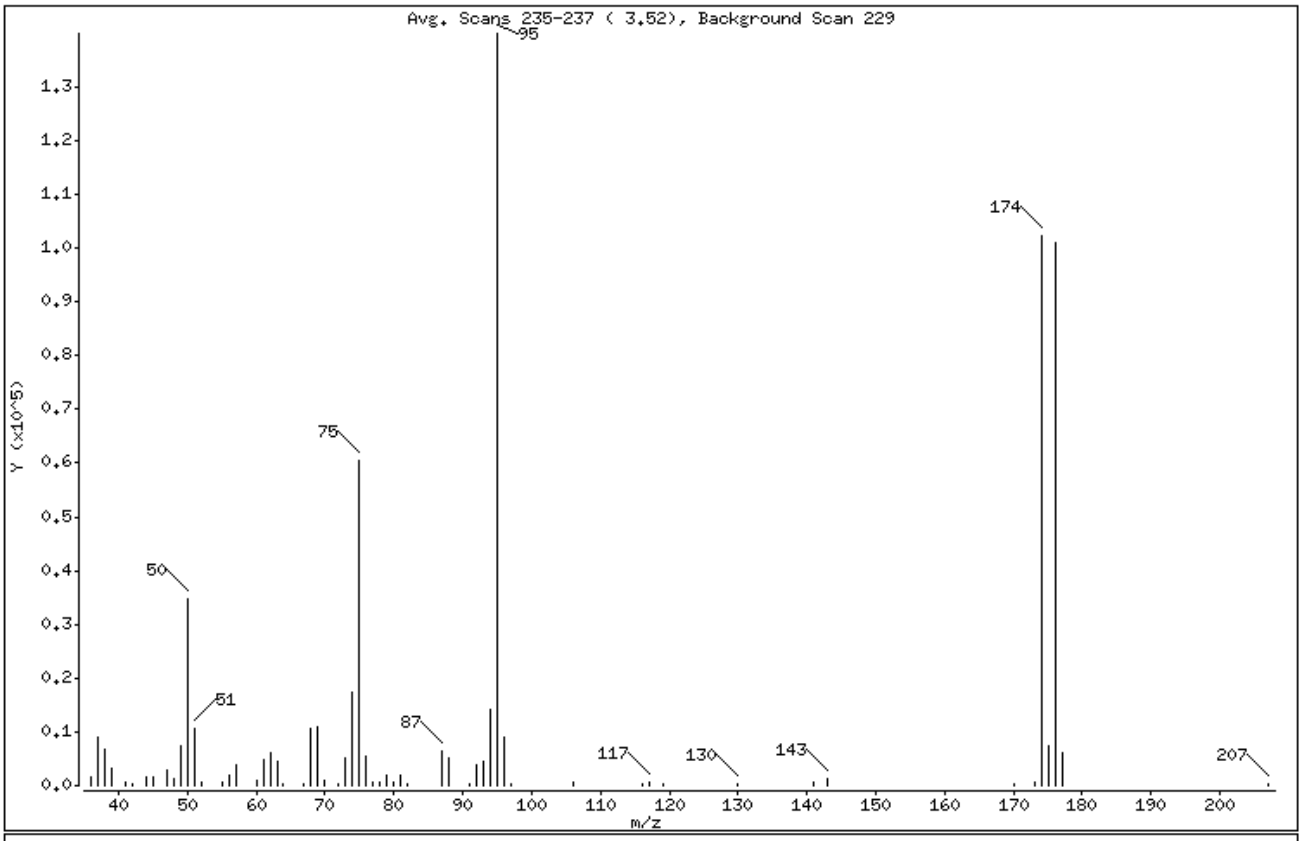
Client ID: 50NG BFB Instrument: a3ux9.i

Sample Info: 50NG INJECTION OF BFB

Volume Injected (uL): 1.0 Operator: 1819

Column phase: DB624 75M Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	24.85
75	30.00 - 60.00% of mass 95	43.12
96	5.00 - 9.00% of mass 95	6.49
173	Less than 2.00% of mass 174	0.42 (0.57)
174	50.00 - 120.00% of mass 95	73.07
175	5.00 - 9.00% of mass 174	5.32 (7.29)
176	95.00 - 101.00% of mass 174	72.10 (98.67)
177	5.00 - 9.00% of mass 176	4.39 (6.08)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\BFB215.D Page 3

Date : 27-MAY-2005 08:35

Client ID: 50NG BFB Instrument: a3ux9.i

Sample Info: 50NG INJECTION OF BFB

Volume Injected (uL): 1.0 Operator: 1819

Column phase: DB624 75M Column diameter: 0.53

Data File: BFB215.D
Spectrum: Avg. Scans 235-237 (3.52), Background Scan 229
Location of Maximum: 95.00
Number of points: 60

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1580	57.00	3860	78.00	499	117.00	705
37.00	8876	60.00	1033	79.00	1999	119.00	347
38.00	6713	61.00	4747	80.00	538	130.00	463
39.00	3312	62.00	5984	81.00	1924	141.00	597
41.00	508	63.00	4556	82.00	279	143.00	1168
42.00	204	64.00	354	87.00	6536	170.00	176
44.00	1576	67.00	248	88.00	5168	173.00	582
45.00	1720	68.00	10496	91.00	227	174.00	102224
47.00	2783	69.00	10923	92.00	3747	175.00	7448
48.00	1276	70.00	985	93.00	4413	176.00	100864
49.00	7500	72.00	361	94.00	14210	177.00	6136
50.00	34760	73.00	5095	95.00	139904	207.00	243
51.00	10701	74.00	17480	96.00	9077		
52.00	687	75.00	60320	97.00	348		
55.00	609	76.00	5359	106.00	640		
56.00	2079	77.00	745	116.00	196		

STL - North Canton

Data file : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50606A.b\BFB228.D
Lab Smp Id: 50ng bfb Client Smp ID: 50NG BFB
Inj Date : 06-JUN-2005 07:31
Operator : 1754 Inst ID: a3ux9.i
Smp Info :
Misc Info : N50606A,BFBUX9,,1754
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50606A.b\BFBUX9.m
Meth Date : 03-Sep-2002 15:09 target Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 21 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.532	3.500	0.032	95	83816			100.00- 100.00	100.00
3.532	3.500	0.032	50	21920			15.00- 40.00	26.15
3.532	3.500	0.032	75	36192			30.00- 60.00	43.18
3.532	3.500	0.032	96	6014			5.00- 9.00	7.18
3.532	3.500	0.032	173	207			0.00- 2.00	0.33
3.532	3.500	0.032	174	63472			50.00- 120.00	75.73
3.532	3.500	0.032	175	4674			5.00- 9.00	7.36
3.532	3.500	0.032	176	62232			95.00- 101.00	98.05
3.532	3.500	0.032	177	4302			5.00- 9.00	6.91

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50606A.b\BFB228.D

Page 1

Date : 06-JUN-2005 07:31

Client ID: 50NG BFB

Instrument: a3ux9.i

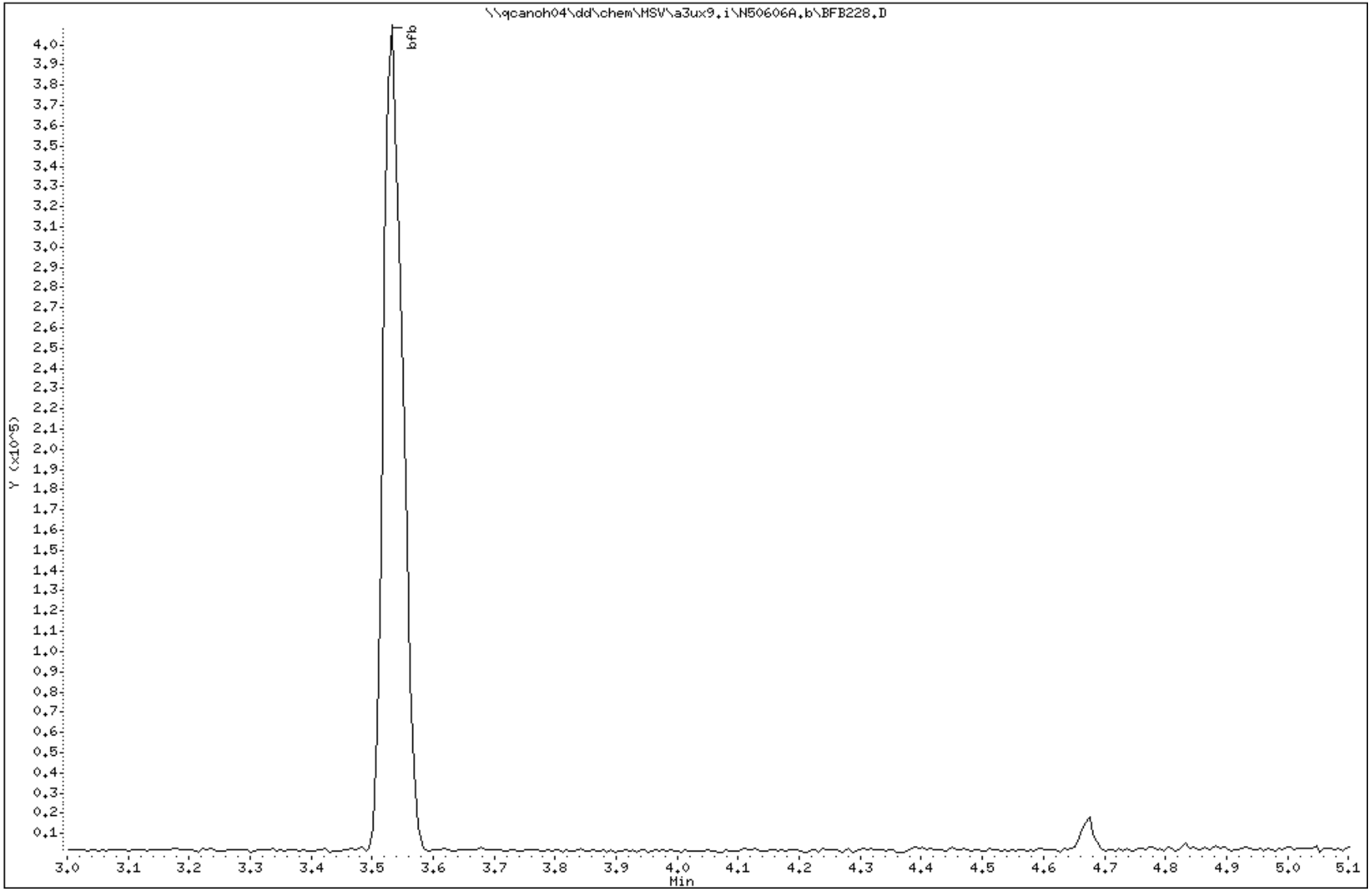
Sample Info:

Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 75M

Column diameter: 0.53



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Date : 06-JUN-2005 07:31

Client ID: 50NG BFB

Instrument: a3ux9.i

Sample Info:

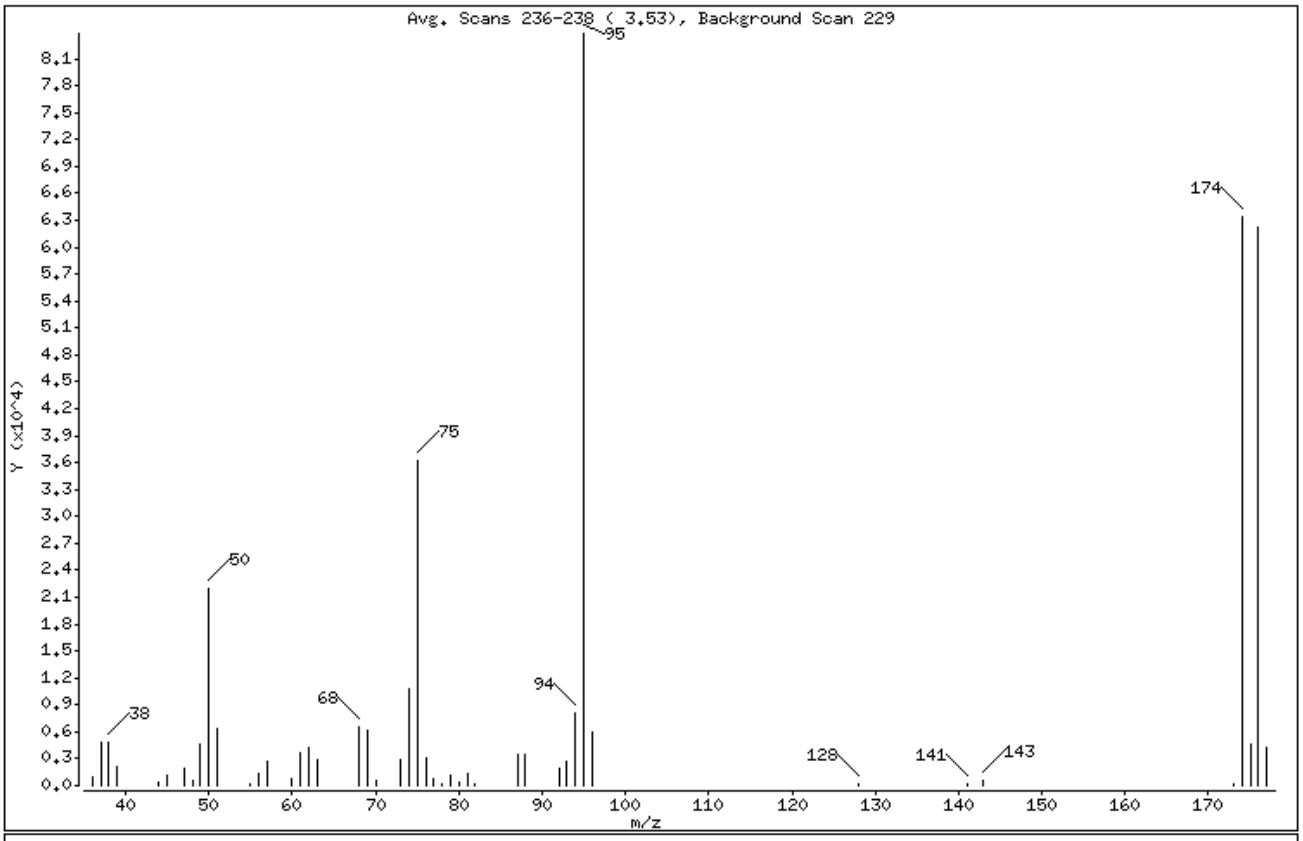
Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 75M

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	26.15
75	30.00 - 60.00% of mass 95	43.18
96	5.00 - 9.00% of mass 95	7.18
173	Less than 2.00% of mass 174	0.25 (0.33)
174	50.00 - 120.00% of mass 95	75.73
175	5.00 - 9.00% of mass 174	5.58 (7.36)
176	95.00 - 101.00% of mass 174	74.25 (98.05)
177	5.00 - 9.00% of mass 176	5.13 (6.91)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50606A.b\BFB228.D Page 3

Date : 06-JUN-2005 07:31

Client ID: 50NG BFB Instrument: a3ux9.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 1754

Column phase: DB624 75M Column diameter: 0.53

Data File: BFB228.D
Spectrum: Avg. Scans 236-238 (3.53), Background Scan 229
Location of Maximum: 95.00
Number of points: 46

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	962	56.00	1358	76.00	2996	95.00	83816
37.00	4771	57.00	2767	77.00	714	96.00	6014
38.00	4827	60.00	783	78.00	240	128.00	224
39.00	2039	61.00	3615	79.00	1241	141.00	232
44.00	449	62.00	4208	80.00	340	143.00	596
45.00	1079	63.00	2851	81.00	1362	173.00	207
47.00	1900	68.00	6549	82.00	173	174.00	63472
48.00	640	69.00	6130	87.00	3541	175.00	4674
49.00	4679	70.00	594	88.00	3422	176.00	62232
50.00	21920	73.00	2934	92.00	1994	177.00	4302
51.00	6379	74.00	10739	93.00	2783		
55.00	171	75.00	36192	94.00	8141		

STL North Canton

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50607A.b\BFB230.D
Lab Smp Id: 50ng bfb Client Smp ID: 50NG BFB
Inj Date : 07-JUN-2005 07:53
Operator : 1754 Inst ID: a3ux9.i
Smp Info :
Misc Info : N50607A,BFBUX9,,1754
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50607A.b\BFBUX9.m
Meth Date : 03-Sep-2002 15:09 target Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 27 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
3.526	3.500	0.026	95	128128			100.00- 100.00	100.00
3.526	3.500	0.026	50	32104			15.00- 40.00	25.06
3.526	3.500	0.026	75	50672			30.00- 60.00	39.55
3.526	3.500	0.026	96	8974			5.00- 9.00	7.00
3.526	3.500	0.026	173	0	0.0	0.0	0.00- 2.00	0.00
3.526	3.500	0.026	174	90024			50.00- 120.00	70.26
3.526	3.500	0.026	175	6975			5.00- 9.00	7.75
3.526	3.500	0.026	176	87112			95.00- 101.00	96.77
3.526	3.500	0.026	177	6795			5.00- 9.00	7.80

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50607A.b\BFB230.D

Page 1

Date : 07-JUN-2005 07:53

Client ID: 50NG BFB

Instrument: a3ux9.i

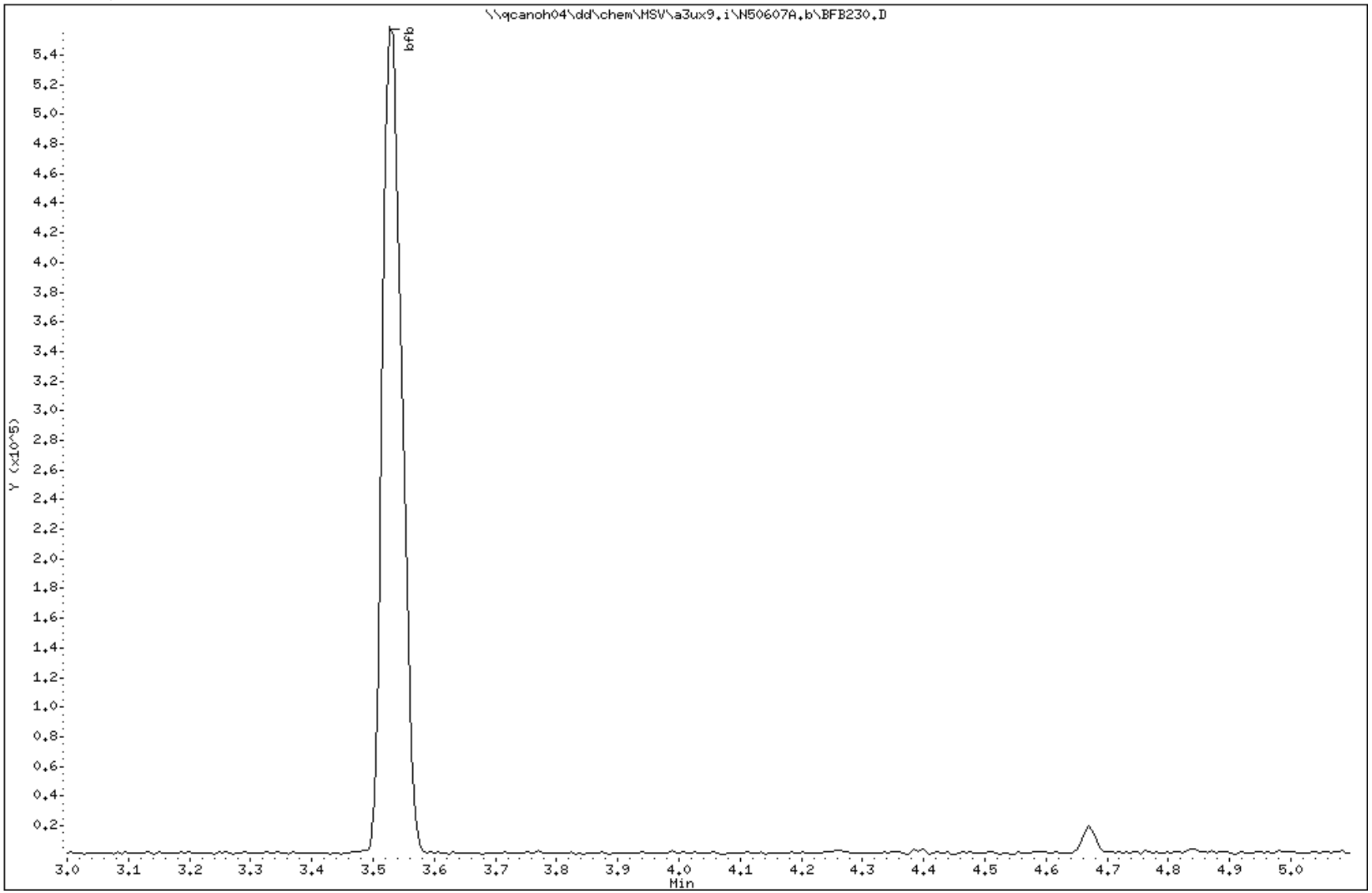
Sample Info:

Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 75M

Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50607A.b\BFB230.D Page 2

Date : 07-JUN-2005 07:53

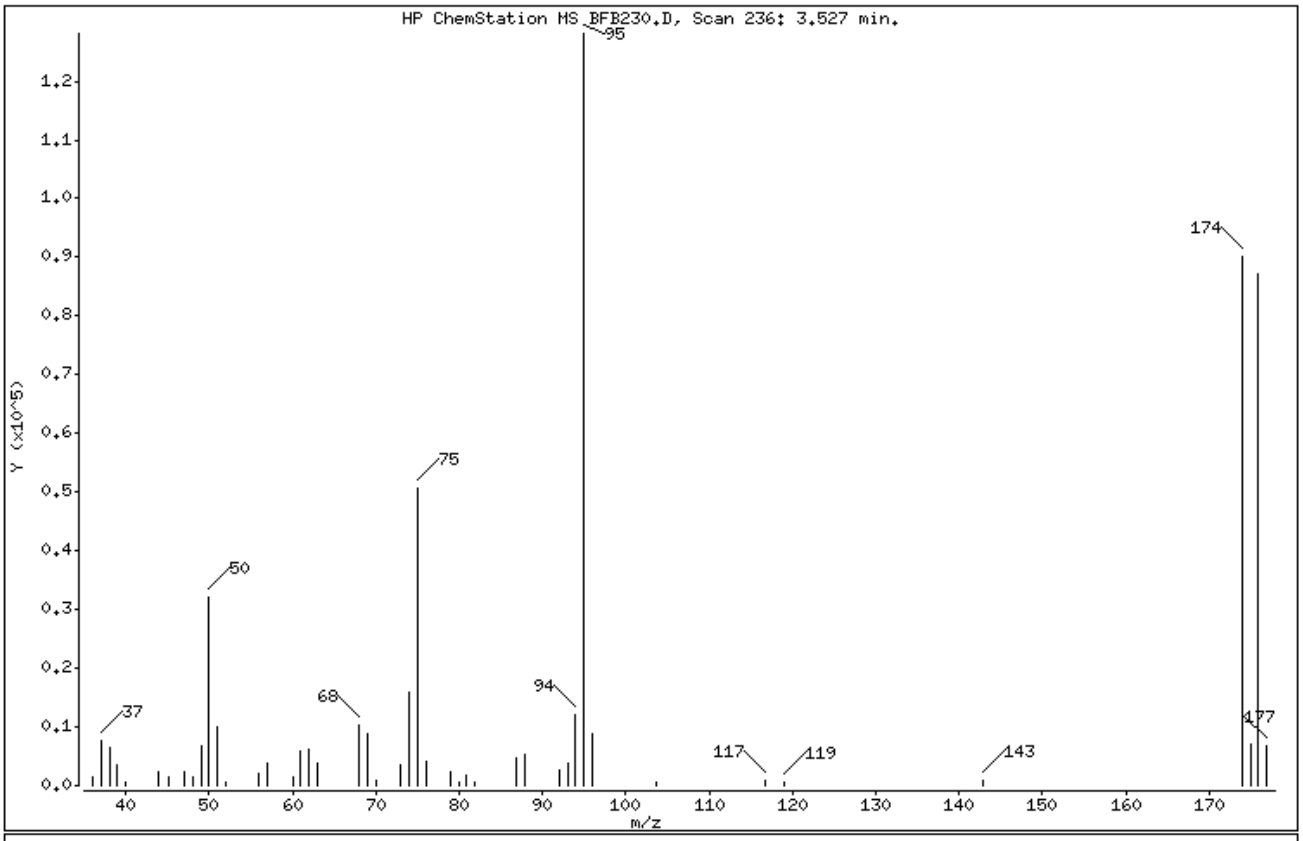
Client ID: 50NG BFB Instrument: a3ux9.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 1754

Column phase: DB624 75M Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	25.06
75	30.00 - 60.00% of mass 95	39.55
96	5.00 - 9.00% of mass 95	7.00
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	70.26
175	5.00 - 9.00% of mass 174	5.44 (7.75)
176	95.00 - 101.00% of mass 174	67.99 (96.77)
177	5.00 - 9.00% of mass 176	5.30 (7.80)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50607A.b\BFB230.D

Date : 07-JUN-2005 07:53

Client ID: 50NG BFB Instrument: a3ux9.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 1754

Column phase: DB624 75M Column diameter: 0.53

Data File: BFB230.D
Spectrum: HP ChemStation MS BFB230.D, Scan 236: 3.527 min.
Location of Maximum: 95.00
Number of points: 45

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1409	52.10	506	75.00	50672	96.00	8974
37.00	7682	55.90	2180	76.00	4204	103.70	712
38.10	6385	57.00	3967	78.90	2274	116.70	846
39.00	3530	60.00	1373	80.00	646	118.90	603
40.00	568	61.00	5804	80.90	1758	142.90	897
44.00	2304	62.00	6331	81.90	709	174.00	90024
45.10	1585	63.00	3883	86.90	4613	175.00	6975
47.00	2276	68.00	10362	87.90	5288	175.90	87112
48.10	1332	69.00	8723	92.00	2627	176.90	6795
49.00	6711	70.00	848	93.00	3952		
50.00	32104	73.00	3668	94.00	12086		
51.00	9870	74.00	16033	95.00	128128		

STL - North Canton

Data file : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50512A-IC.b\BFB1659.D
Lab Smp Id: 50ng bfb Client Smp ID: 50NG BFB
Inj Date : 12-MAY-2005 10:44
Operator : 1904 Inst ID: a3ux10.i
Smp Info :
Misc Info : P50512A-IC,BFBUX10,,1904
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50512A-IC.b\BFBUX10.m
Meth Date : 22-Dec-2003 12:41 Quant Type: ESTD
Cal Date : 01-MAR-2000 19:29 Cal File: uxx0287.d
Als bottle: 6 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.522	3.590	-0.068	95	111760			100.00- 100.00	100.00
3.522	3.590	-0.068	50	23152			15.00- 40.00	20.72
3.522	3.590	-0.068	75	52544			30.00- 60.00	47.02
3.522	3.590	-0.068	96	7221			5.00- 9.00	6.46
3.522	3.590	-0.068	173	518			0.00- 2.00	0.53
3.522	3.590	-0.068	174	97256			50.00- 100.00	87.02
3.522	3.590	-0.068	175	6614			5.00- 9.00	6.80
3.522	3.590	-0.068	176	93704			95.00- 101.00	96.35
3.522	3.590	-0.068	177	5939			5.00- 9.00	6.34

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\BFB1659.D

Page 1

Date : 12-MAY-2005 10:44

Client ID: 50NG BFB

Instrument: a3ux10.i

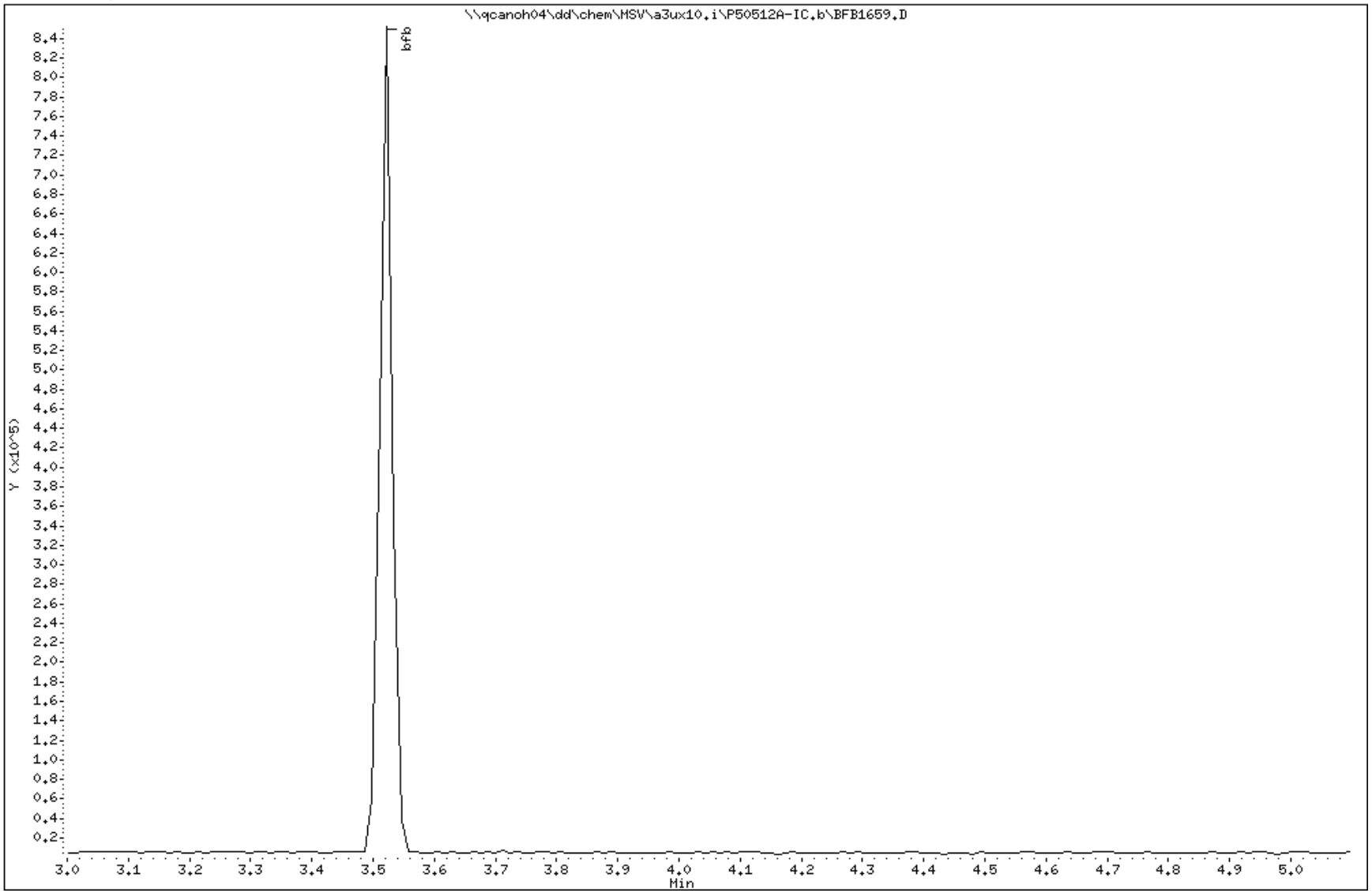
Sample Info:

Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\BFB1659.D Page 2

Date : 12-MAY-2005 10:44

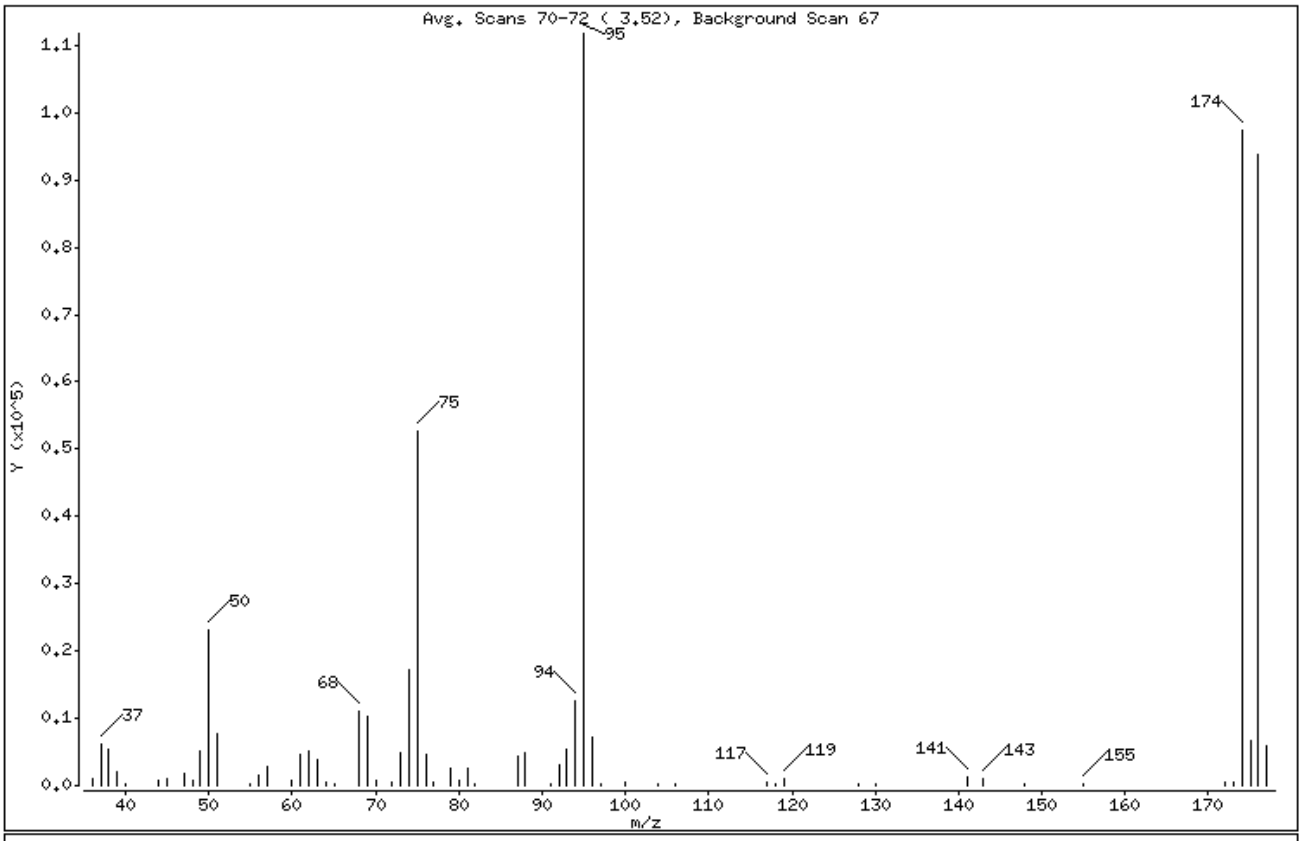
Client ID: 50NG BFB Instrument: a3ux10.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 1904

Column phase: DB624 20M Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.72
75	30.00 - 60.00% of mass 95	47.02
96	5.00 - 9.00% of mass 95	6.46
173	Less than 2.00% of mass 174	0.46 (0.53)
174	50.00 - 100.00% of mass 95	87.02
175	5.00 - 9.00% of mass 174	5.92 (6.80)
176	95.00 - 101.00% of mass 174	83.84 (96.35)
177	5.00 - 9.00% of mass 176	5.31 (6.34)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\BFB1659.D

Date : 12-MAY-2005 10:44

Client ID: 50NG BFB Instrument: a3ux10.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 1904

Column phase: DB624 20M Column diameter: 0.18

Data File: BFB1659.D
Spectrum: Avg. Scans 70-72 (3.52), Background Scan 67
Location of Maximum: 95.00
Number of points: 61

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1055	61.00	4720	81.00	2645	119.00	1100
37.00	6240	62.00	5060	82.00	306	128.00	205
38.00	5358	63.00	3967	87.00	4413	130.00	292
39.00	1947	64.00	584	88.00	4887	141.00	1241
40.00	321	65.00	208	91.00	223	143.00	1107
44.00	799	68.00	11175	92.00	3039	148.00	194
45.00	1006	69.00	10379	93.00	5275	155.00	297
47.00	1906	70.00	888	94.00	12478	172.00	476
48.00	761	72.00	634	95.00	111760	173.00	518
49.00	5155	73.00	4852	96.00	7221	174.00	97256
50.00	23152	74.00	17136	97.00	236	175.00	6614
51.00	7813	75.00	52544	100.00	443	176.00	93704
55.00	209	76.00	4521	104.00	199	177.00	5939
56.00	1508	77.00	517	106.00	300		
57.00	2796	79.00	2497	117.00	600		
60.00	849	80.00	667	118.00	183		

STL - North Canton

Data file : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50601B.b\BFB.D
Lab Smp Id: 50ng bfb Client Smp ID: 50NG BFB
Inj Date : 01-JUN-2005 21:51
Operator : 1904 Inst ID: a3ux10.i
Smp Info :
Misc Info : P50601B,BFBUX10,,1904
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50601B.b\BFBUX10.m
Meth Date : 22-Dec-2003 12:41 Quant Type: ESTD
Cal Date : 01-MAR-2000 19:29 Cal File: uxx0287.d
Als bottle: 29 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.533	3.590	-0.057	95	89464			100.00- 100.00	100.00
3.533	3.590	-0.057	50	19144			15.00- 40.00	21.40
3.533	3.590	-0.057	75	43808			30.00- 60.00	48.97
3.533	3.590	-0.057	96	6652			5.00- 9.00	7.44
3.533	3.590	-0.057	173	599			0.00- 2.00	0.78
3.533	3.590	-0.057	174	76376			50.00- 100.00	85.37
3.533	3.590	-0.057	175	5003			5.00- 9.00	6.55
3.533	3.590	-0.057	176	73872			95.00- 101.00	96.72
3.533	3.590	-0.057	177	4725			5.00- 9.00	6.40

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\BFB1683.D

Page 1

Date : 01-JUN-2005 21:51

Client ID: 50NG BFB

Instrument: a3ux10.i

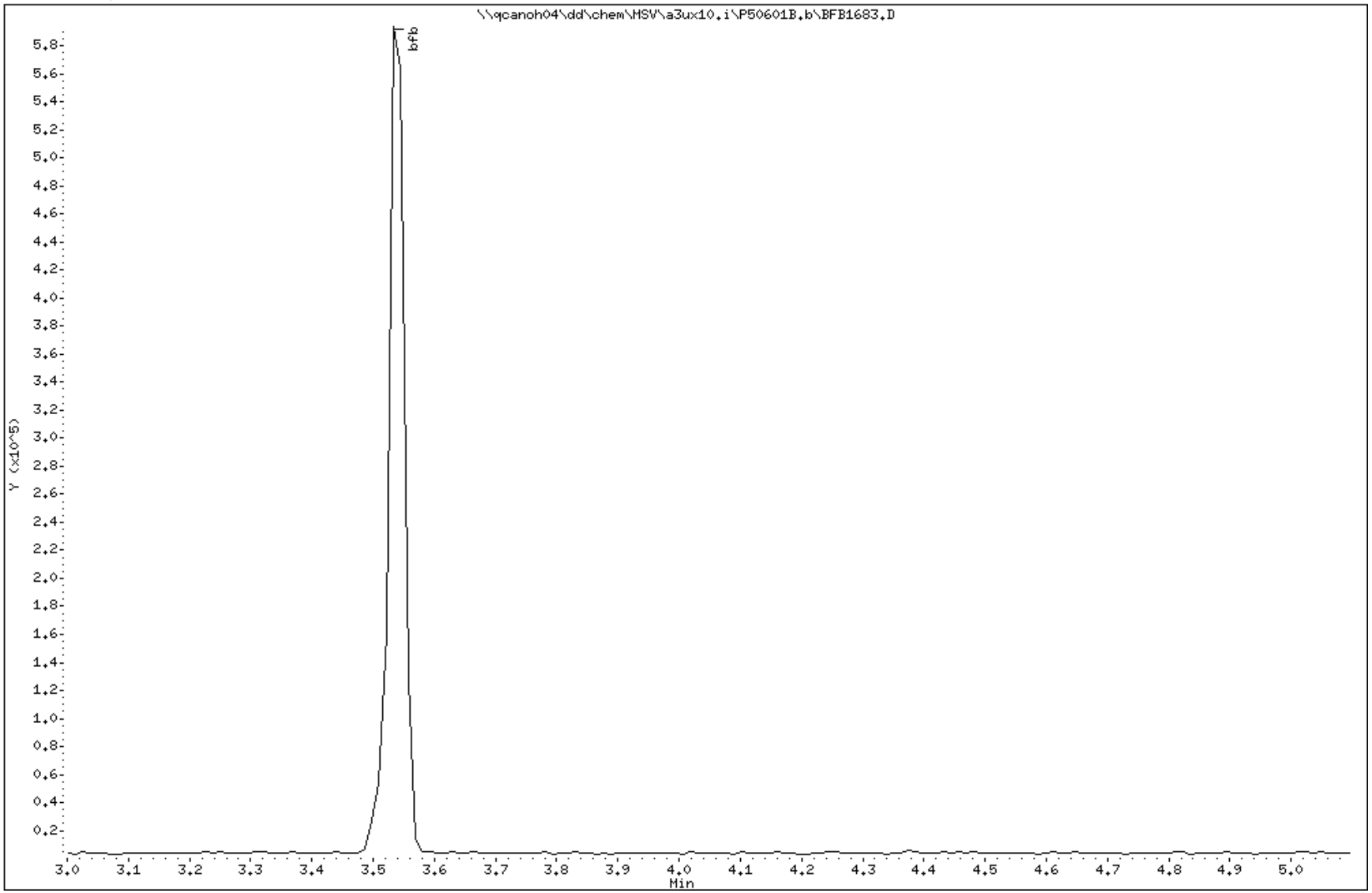
Sample Info:

Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\BFB1683.D

Date : 01-JUN-2005 21:51

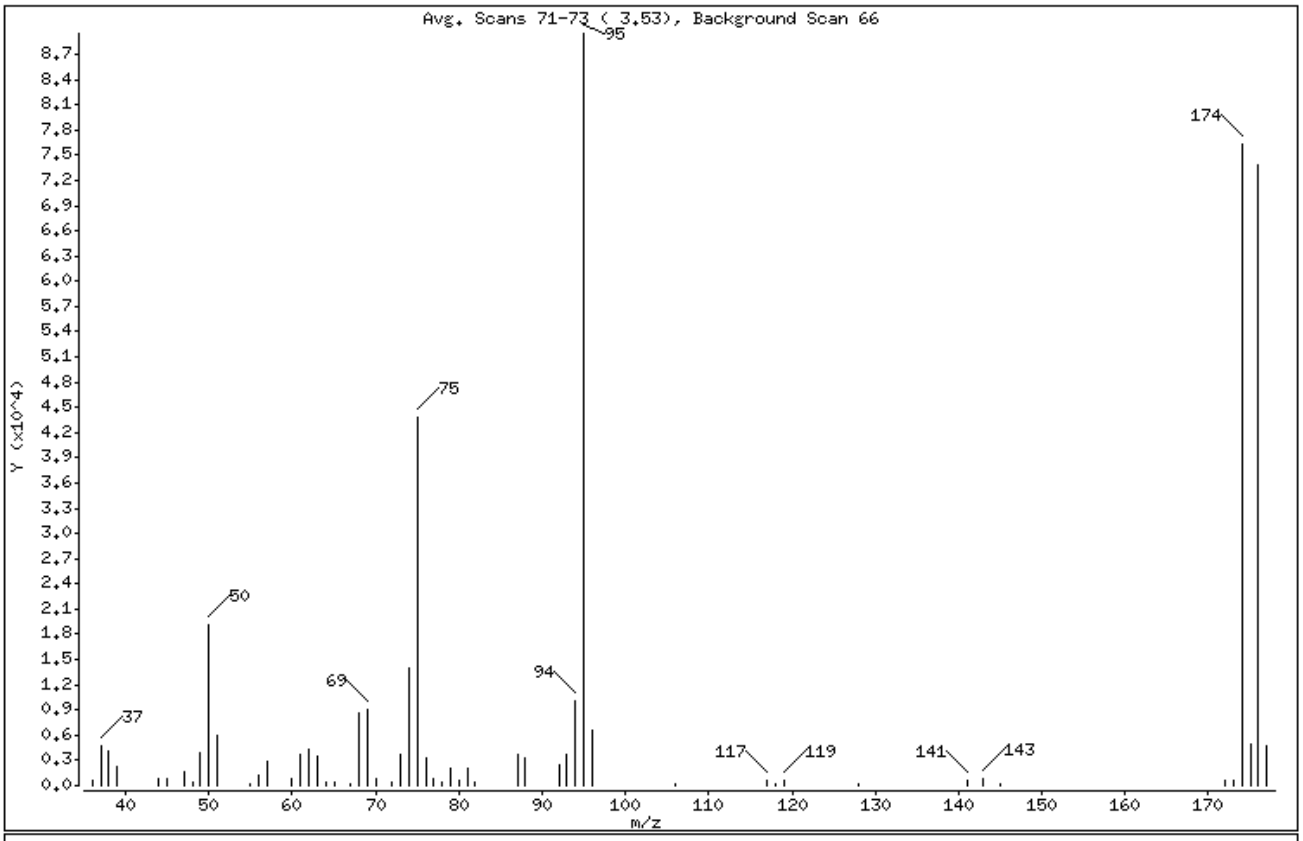
Client ID: 50NG BFB | Instrument: a3ux10.i

Sample Info:

Volume Injected (uL): 1.0 | Operator: 1904

Column phase: DB624 20M | Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.40
75	30.00 - 60.00% of mass 95	48.97
96	5.00 - 9.00% of mass 95	7.44
173	Less than 2.00% of mass 174	0.67 (0.78)
174	50.00 - 100.00% of mass 95	85.37
175	5.00 - 9.00% of mass 174	5.59 (6.55)
176	95.00 - 101.00% of mass 174	82.57 (96.72)
177	5.00 - 9.00% of mass 176	5.28 (6.40)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\BFB1683.D

Date : 01-JUN-2005 21:51

Client ID: 50NG BFB Instrument: a3ux10.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 1904

Column phase: DB624 20M Column diameter: 0.18

Data File: BFB1683.D
Spectrum: Avg. Scans 71-73 (3.53), Background Scan 66
Location of Maximum: 95.00
Number of points: 56

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	658	61.00	3756	78.00	376	119.00	525
37.00	4678	62.00	4294	79.00	2013	128.00	172
38.00	4140	63.00	3403	80.00	655	141.00	651
39.00	2225	64.00	348	81.00	1960	143.00	907
44.00	786	65.00	421	82.00	373	145.00	182
45.00	745	67.00	181	87.00	3613	172.00	707
47.00	1611	68.00	8614	88.00	3194	173.00	599
48.00	407	69.00	8987	92.00	2491	174.00	76376
49.00	3927	70.00	782	93.00	3749	175.00	5003
50.00	19144	72.00	494	94.00	10104	176.00	73872
51.00	5948	73.00	3789	95.00	89464	177.00	4725
55.00	182	74.00	14042	96.00	6652		
56.00	1327	75.00	43808	106.00	181		
57.00	2850	76.00	3189	117.00	516		
60.00	867	77.00	765	118.00	219		

STL - North Canton

Data file : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50603B.b\BFB1687.D
Lab Smp Id: 50ng bfb Client Smp ID: 50NG BFB
Inj Date : 03-JUN-2005 21:41
Operator : 1904 Inst ID: a3ux10.i
Smp Info :
Misc Info : P50603B,BFBUX10,,1904
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50603B.b\BFBUX10.m
Meth Date : 22-Dec-2003 12:41 Quant Type: ESTD
Cal Date : 01-MAR-2000 19:29 Cal File: uxx0287.d
Als bottle: 30 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.583	3.590	-0.007	95	94152			100.00- 100.00	100.00
3.583	3.590	-0.007	50	19632			15.00- 40.00	20.85
3.583	3.590	-0.007	75	42984			30.00- 60.00	45.65
3.583	3.590	-0.007	96	6371			5.00- 9.00	6.77
3.583	3.590	-0.007	173	462			0.00- 2.00	0.60
3.583	3.590	-0.007	174	77056			50.00- 100.00	81.84
3.583	3.590	-0.007	175	5239			5.00- 9.00	6.80
3.583	3.590	-0.007	176	74968			95.00- 101.00	97.29
3.583	3.590	-0.007	177	4679			5.00- 9.00	6.24

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\BFB1687.D

Page 1

Date : 03-JUN-2005 21:41

Client ID: 50NG BFB

Instrument: a3ux10.i

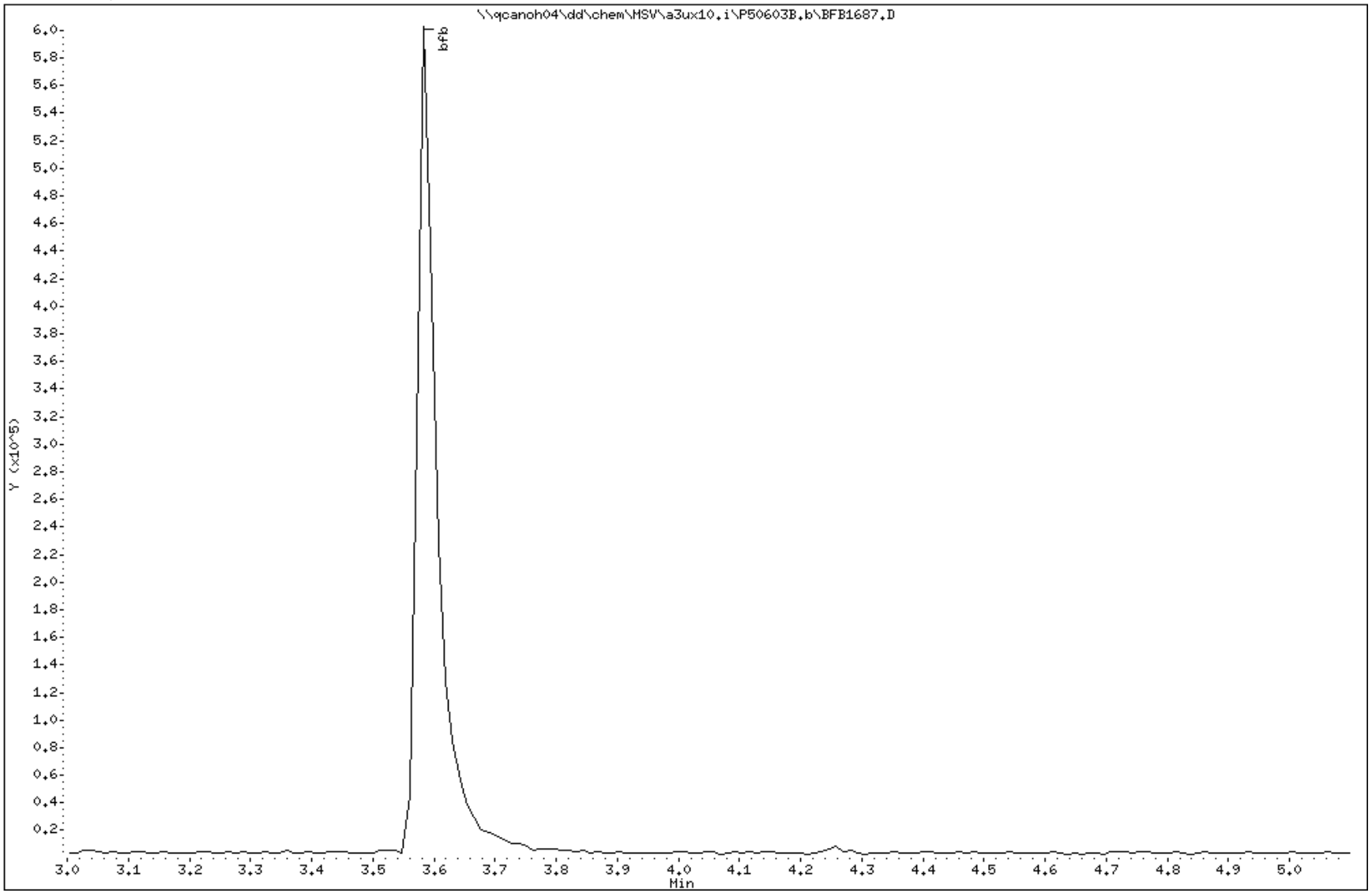
Sample Info:

Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\BFB1687.D Page 2

Date : 03-JUN-2005 21:41

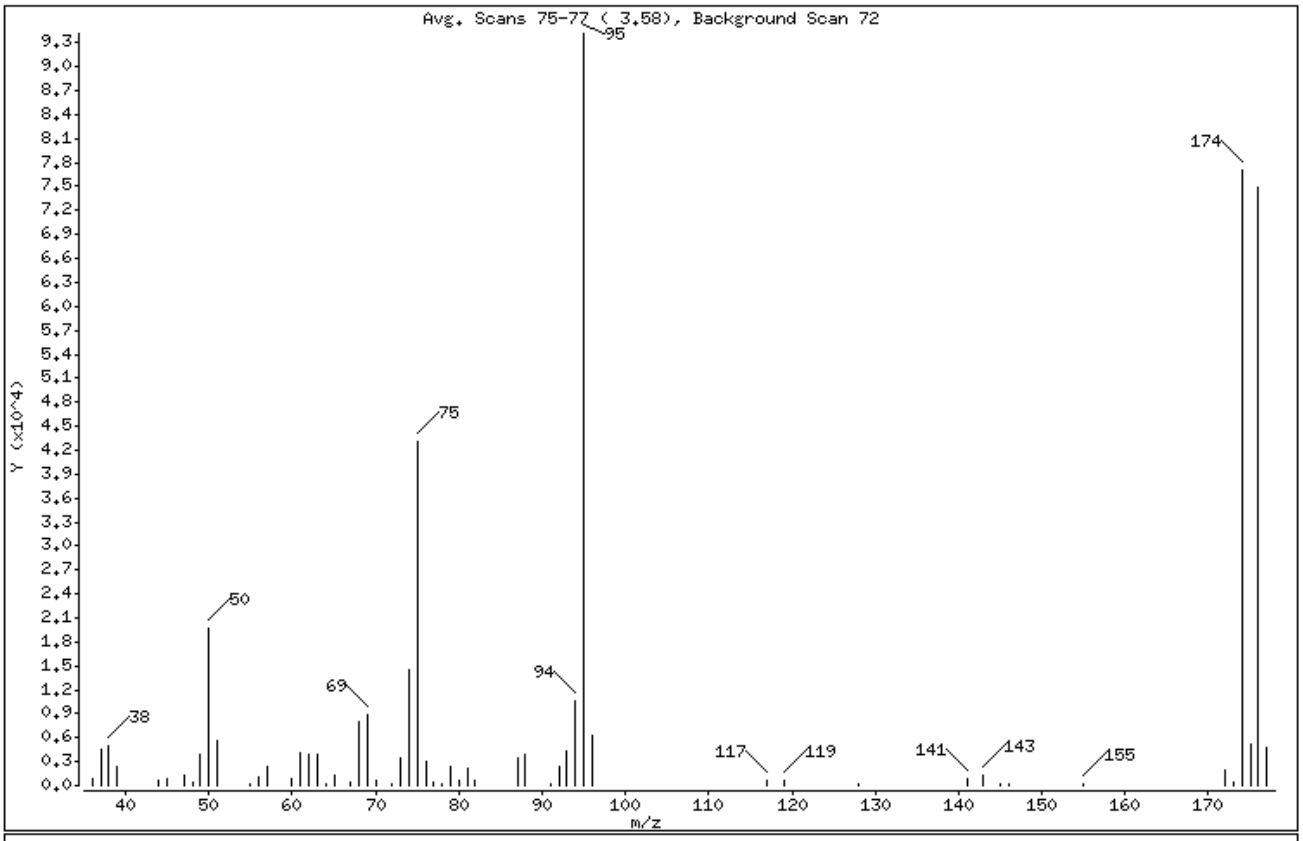
Client ID: 50NG BFB Instrument: a3ux10.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 1904

Column phase: DB624 20M Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.85
75	30.00 - 60.00% of mass 95	45.65
96	5.00 - 9.00% of mass 95	6.77
173	Less than 2.00% of mass 174	0.49 (0.60)
174	50.00 - 100.00% of mass 95	81.84
175	5.00 - 9.00% of mass 174	5.56 (6.80)
176	95.00 - 101.00% of mass 174	79.62 (97.29)
177	5.00 - 9.00% of mass 176	4.97 (6.24)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\BFB1687.D

Date : 03-JUN-2005 21:41

Client ID: 50NG BFB Instrument: a3ux10.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 1904

Column phase: DB624 20M Column diameter: 0.18

Data File: BFB1687.D
Spectrum: Avg. Scans 75-77 (3.58), Background Scan 72
Location of Maximum: 95.00
Number of points: 57

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	931	61.00	4142	78.00	220	128.00	232
37.00	4504	62.00	3937	79.00	2329	141.00	972
38.00	4889	63.00	3879	80.00	696	143.00	1266
39.00	2379	64.00	294	81.00	2249	145.00	194
44.00	610	65.00	1396	82.00	667	146.00	173
45.00	890	67.00	364	87.00	3544	155.00	179
47.00	1295	68.00	8059	88.00	3974	172.00	2044
48.00	405	69.00	8900	91.00	240	173.00	462
49.00	3885	70.00	681	92.00	2344	174.00	77056
50.00	19632	72.00	217	93.00	4363	175.00	5239
51.00	5591	73.00	3391	94.00	10551	176.00	74968
55.00	180	74.00	14587	95.00	94152	177.00	4679
56.00	1115	75.00	42984	96.00	6371		
57.00	2365	76.00	3088	117.00	613		
60.00	960	77.00	345	119.00	671		

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A5E260235 **Work Order #...:** HCQJA1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5F020000-163 HCQJA1AD-LCSD
Prep Date.....: 06/01/05 **Analysis Date..:** 06/01/05
Prep Batch #...: 5153163
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**98**	**(80 - 116)**			**SW846 8260B**
	100	**(80 - 116)**	**3.0**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**97**	**(76 - 117)**			**SW846 8260B**
	100	**(76 - 117)**	**2.9**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**92**	**(63 - 130)**			**SW846 8260B**
	100	**(63 - 130)**	**8.0**	**(0-20)**	**SW846 8260B**
Toluene	**102**	**(74 - 119)**			**SW846 8260B**
	105	**(74 - 119)**	**2.3**	**(0-20)**	**SW846 8260B**
Trichloroethene	**93**	**(75 - 122)**			**SW846 8260B**
	96	**(75 - 122)**	**2.3**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(73 - 122)
	100	(73 - 122)
1,2-Dichloroethane-d4	103	(61 - 128)
	101	(61 - 128)
Toluene-d8	108	(76 - 110)
	109	(76 - 110)
4-Bromofluorobenzene	113	(74 - 116)
	111	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A5E260235 **Work Order #...:** HCQJA1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5F020000-163 HCQJA1AD-LCSD
Prep Date.....: 06/01/05 **Analysis Date..:** 06/01/05
Prep Batch #...: 5153163
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**10**	**9.8**	**ug/L**	**98**		**SW846 8260B**
	10	**10**	**ug/L**	**100**	**3.0**	**SW846 8260B**
Chlorobenzene	**10**	**9.7**	**ug/L**	**97**		**SW846 8260B**
	10	**10**	**ug/L**	**100**	**2.9**	**SW846 8260B**
1,1-Dichloroethene	**10**	**9.2**	**ug/L**	**92**		**SW846 8260B**
	10	**10**	**ug/L**	**100**	**8.0**	**SW846 8260B**
Toluene	**10**	**10**	**ug/L**	**102**		**SW846 8260B**
	10	**10**	**ug/L**	**105**	**2.3**	**SW846 8260B**
Trichloroethene	**10**	**9.3**	**ug/L**	**93**		**SW846 8260B**
	10	**9.6**	**ug/L**	**96**	**2.3**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(73 - 122)
	100	(73 - 122)
1,2-Dichloroethane-d4	103	(61 - 128)
	101	(61 - 128)
Toluene-d8	108	(76 - 110)
	109	(76 - 110)
4-Bromofluorobenzene	113	(74 - 116)
	111	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8671.D
Report Date: 02-Jun-2005 08:07

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8671.D
Lab Smp Id: CHECK
Inj Date : 01-JUN-2005 23:04
Operator : 1904 Inst ID: a3ux10.i
Smp Info : CHECK
Misc Info : P50601B,8260LLUX10,2-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\8260LLUX10.m
Meth Date : 02-Jun-2005 08:07 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.007	4.998	(1.000)	1087912	50.0000	
* 2 Chlorobenzene-d5	117	7.657	7.660	(1.000)	812561	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.894	9.885	(1.000)	370801	50.0000	
$ 4 Dibromofluoromethane	113	4.439	4.442	(0.887)	223103	50.2348	10.047
$ 5 1,2-Dichloroethane-d4	65	4.723	4.726	(0.943)	280257	51.6771	10.335
$ 6 Toluene-d8	98	6.356	6.359	(0.830)	853365	54.0036	10.801
$ 7 Bromofluorobenzene	95	8.758	8.761	(1.144)	324409	56.4441	11.289
8 Dichlorodifluoromethane	85	1.481	1.484	(0.296)	118846	37.3372	7.467
9 Chloromethane	50	1.611	1.614	(0.322)	272497	44.1363	8.827
10 Vinyl Chloride	62	1.705	1.709	(0.341)	238570	43.2301	8.646
11 Bromomethane	94	1.966	1.969	(0.393)	102343	35.2451	7.049
12 Chloroethane	64	2.049	2.052	(0.409)	160684	45.8349	9.167
13 Trichlorofluoromethane	101	2.238	2.241	(0.447)	309625	44.8162	8.963
15 Acrolein	56	2.557	2.561	(0.511)	356363	566.021	113.20
16 Acetone	43	2.676	2.679	(0.534)	76047	26.3101	5.262
17 1,1-Dichloroethene	96	2.652	2.655	(0.530)	176496	46.2322	9.246
18 Freon-113	151	2.652	2.655	(0.530)	153822	52.1325	10.426
19 Iodomethane	142	2.794	2.785	(0.558)	4097	4.63625	0.9272
20 Carbon Disulfide	76	2.841	2.845	(0.568)	536602	41.6566	8.331
21 Methylene Chloride	84	3.043	3.034	(0.608)	274759	49.0013	9.800

22 Acetonitrile	41	2.901	2.892 (0.579)	323835	457.396	91.479
23 Acrylonitrile	53	3.208	3.211 (0.641)	931767	488.899	97.780

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8671.D
Report Date: 02-Jun-2005 08:07

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.256	3.259	(0.650)	530668	52.2891	10.458
	25 trans-1,2-Dichloroethene	96	3.256	3.259	(0.650)	230671	48.8232	9.765
	26 Hexane	86	3.480	3.484	(0.695)	36924	43.2714	8.654
	27 Vinyl acetate	43	3.480	3.614	(0.695)	154796	20.7420	4.148
	28 1,1-Dichloroethane	63	3.587	3.590	(0.716)	419128	48.5835	9.717
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.060	4.063	(0.811)	107956	40.6075	8.122
M	31 1,2-Dichloroethene (total)	96				458230	94.7425	18.948
	32 cis-1,2-dichloroethene	96	4.060	4.063	(0.811)	227559	45.9193	9.184
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.309	4.312	(0.861)	404497	48.2953	9.659
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.474	4.477	(0.894)	314870	49.9294	9.986
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.616	4.619	(0.922)	276273	50.6113	10.122
	40 1,2-Dichloroethane	62	4.782	4.785	(0.955)	336038	48.6409	9.728
	41 Benzene	78	4.782	4.785	(0.955)	935187	48.7576	9.752
	42 Trichloroethene	130	5.314	5.318	(1.061)	232494	46.7220	9.344
	43 1,2-Dichloropropane	63	5.492	5.495	(1.097)	247538	50.2299	10.046
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.717	5.720	(1.142)	281555	48.3130	9.663
	47 2-Chloroethyl vinyl ether	63	5.965	5.968	(1.191)	90245	41.0400	8.208
	48 cis-1,3-Dichloropropene	75	6.107	6.110	(1.220)	294880	46.9723	9.394
	49 4-Methyl-2-pentanone	43	6.226	6.229	(1.243)	186667	42.9935	8.599
	50 Toluene	91	6.415	6.406	(0.838)	1013606	51.1426	10.228
	51 trans-1,3-Dichloropropene	75	6.581	6.584	(0.859)	260273	49.6290	9.926
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.746	6.749	(0.881)	208708	52.4218	10.484
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.912	6.915	(0.903)	190386	47.9969	9.599
	56 2-Hexanone	43	6.971	6.974	(0.910)	116186	39.6654	7.933
	57 Dibromochloromethane	129	7.113	7.116	(0.929)	208641	50.2597	10.052
	58 1,2-Dibromoethane	107	7.231	7.223	(0.944)	188174	50.7243	10.145
	59 Chlorobenzene	112	7.681	7.684	(1.003)	680788	48.5882	9.718
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.788	7.779	(1.017)	319693	47.3772	9.475
	62 m + p-Xylene	106	7.894	7.897	(1.031)	856872	102.649	20.530
M	63 Xylenes (total)	106				1241966	147.529	29.506
	64 Xylene-o	106	8.273	8.264	(1.080)	385094	44.8799	8.976
	65 Styrene	104	8.273	8.276	(1.080)	648266	43.8814	8.776
	66 Bromoform	173	8.450	8.453	(1.104)	139092	51.7739	10.355
	67 Isopropylbenzene	105	8.616	8.619	(1.125)	809799	42.5351	8.507
	68 1,1,2,2-Tetrachloroethane	83	8.888	8.879	(0.898)	248236	59.9599	11.992
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

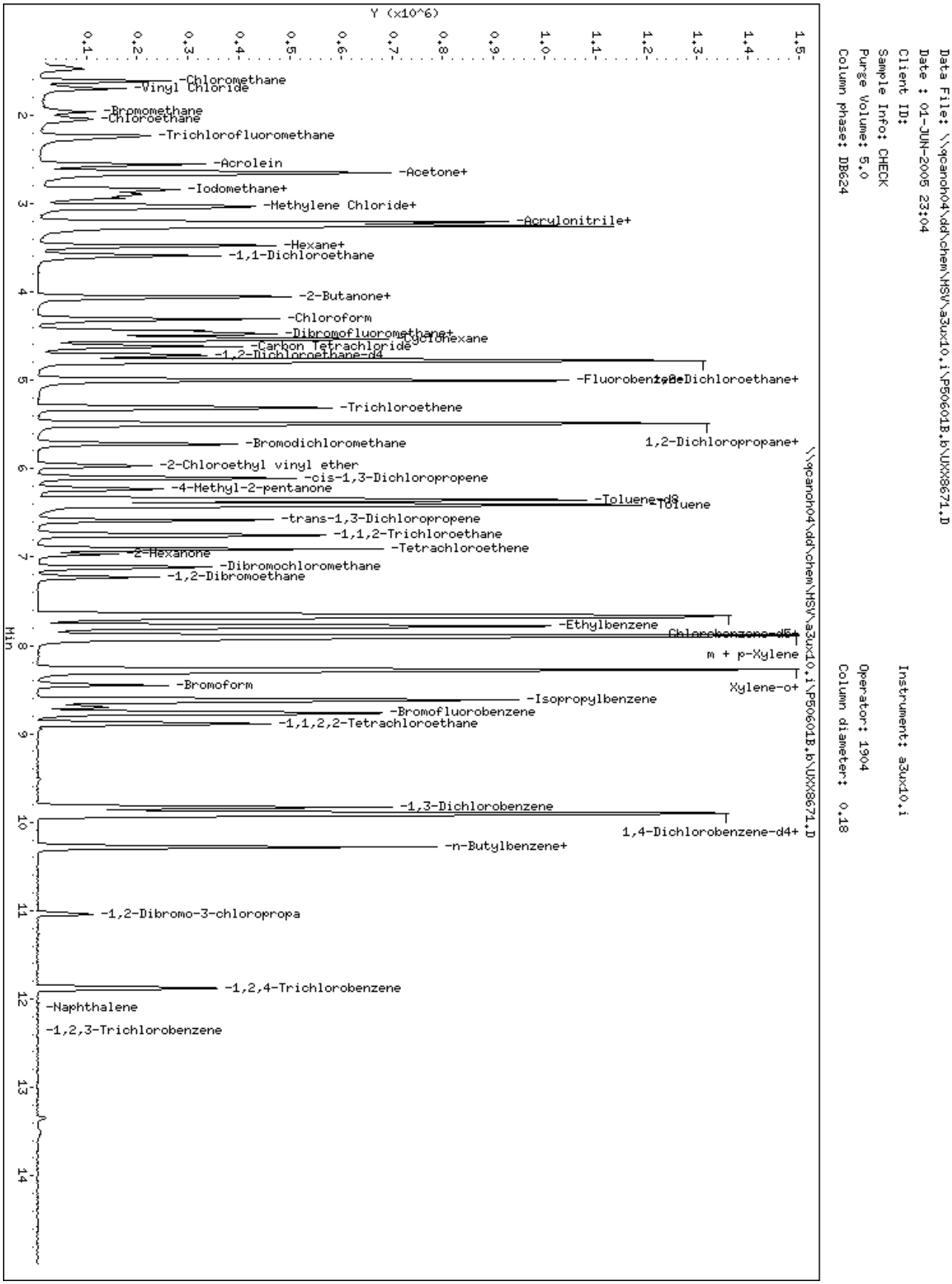
76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8671.D
Report Date: 02-Jun-2005 08:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.835	9.826	(0.994)	406647	45.8879	9.178
81 1,4-Dichlorobenzene	146	9.917	9.909	(1.002)	501319	51.8418	10.368
82 n-Butylbenzene	91	10.261	10.264	(1.037)	1747	2.88148	0.5763
83 1,2-Dichlorobenzene	146	10.284	10.276	(1.039)	433136	50.2548	10.051
84 1,2-Dibromo-3-chloropropane	157	11.042	11.045	(1.116)	32968	50.7868	10.157
85 1,2,4-Trichlorobenzene	180	11.882	11.873	(1.201)	147113	33.9268	6.785
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	12.107	12.121	(1.224)	2518	5.84509	1.169
88 1,2,3-Trichlorobenzene	180	12.367	12.358	(1.250)	1542	3.06915	0.6138
98 Cyclohexane	56	4.534	4.537	(0.905)	294428	45.4221	9.084
143 Methyl Acetate	43	2.936	2.939	(0.586)	177688	43.8514	8.770(A)
144 Methylcyclohexane	83	5.492	5.495	(1.097)	243738	42.8047	8.561(A)
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8671.D
Date : 01-JUN-2005 23:04
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-Fluorobenzene
1,2-Dichloroethane+
-Trichloroethene
1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Ethylbenzene
Chlorobenzene-d5+
m + p-Xylene
Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8671.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8672.D
Report Date: 02-Jun-2005 08:07

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8672.D
Lab Smp Id: CHECK
Inj Date : 01-JUN-2005 23:29
Operator : 1904 Inst ID: a3ux10.i
Smp Info : CHECK
Misc Info : P50601B,8260LLUX10,2-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\8260LLUX10.m
Meth Date : 02-Jun-2005 08:07 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 4 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.007	4.998	(1.000)	1138492	50.0000	
* 2 Chlorobenzene-d5	117	7.657	7.660	(1.000)	829271	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.894	9.885	(1.000)	403901	50.0000	
$ 4 Dibromofluoromethane	113	4.439	4.442	(0.887)	232777	50.0845	10.017
$ 5 1,2-Dichloroethane-d4	65	4.723	4.726	(0.943)	287844	50.7181	10.144
$ 6 Toluene-d8	98	6.356	6.359	(0.830)	877592	54.4177	10.884
$ 7 Bromofluorobenzene	95	8.758	8.761	(1.144)	326202	55.6124	11.122
8 Dichlorodifluoromethane	85	1.481	1.484	(0.296)	133996	40.2265	8.045
9 Chloromethane	50	1.623	1.614	(0.324)	286923	44.4082	8.882
10 Vinyl Chloride	62	1.706	1.709	(0.341)	261199	45.2278	9.046
11 Bromomethane	94	1.978	1.969	(0.395)	123019	40.4834	8.097
12 Chloroethane	64	2.049	2.052	(0.409)	169953	46.3251	9.265
13 Trichlorofluoromethane	101	2.238	2.241	(0.447)	356868	49.3594	9.872
15 Acrolein	56	2.557	2.561	(0.511)	337716	512.573	102.51
16 Acetone	43	2.676	2.679	(0.534)	74764	23.3306	4.666
17 1,1-Dichloroethene	96	2.652	2.655	(0.530)	200176	50.1055	10.021
18 Freon-113	151	2.652	2.655	(0.530)	189330	61.3160	12.263
19 Iodomethane	142	2.794	2.785	(0.558)	6585	5.42252	1.084
20 Carbon Disulfide	76	2.853	2.845	(0.570)	615732	45.6759	9.135
21 Methylene Chloride	84	3.043	3.034	(0.608)	271974	46.0325	9.206

22 Acetonitrile	41	2.901	2.892 (0.579)	315726	426.131	85.226
23 Acrylonitrile	53	3.208	3.211 (0.641)	922259	462.411	92.482

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8672.D
Report Date: 02-Jun-2005 08:07

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.256	3.259	(0.650)	555457	52.3001	10.460
	25 trans-1,2-Dichloroethene	96	3.256	3.259	(0.650)	254073	51.3872	10.277
	26 Hexane	86	3.480	3.484	(0.695)	45595	51.0591	10.212
	27 Vinyl acetate	43	3.480	3.614	(0.695)	181434	23.2313	4.646
	28 1,1-Dichloroethane	63	3.587	3.590	(0.716)	449313	49.7686	9.954
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.060	4.063	(0.811)	101249	36.3927	7.278
M	31 1,2-Dichloroethene (total)	96				498370	98.4940	19.699
	32 cis-1,2-dichloroethene	96	4.060	4.063	(0.811)	244297	47.1068	9.421
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.309	4.312	(0.861)	427547	48.7795	9.756
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.474	4.477	(0.894)	351421	53.2496	10.650
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.616	4.619	(0.922)	311307	54.4957	10.899
	40 1,2-Dichloroethane	62	4.782	4.785	(0.955)	352610	48.7721	9.754
	41 Benzene	78	4.782	4.785	(0.955)	1008464	50.2422	10.048
	42 Trichloroethene	130	5.315	5.318	(1.061)	249013	47.8184	9.564
	43 1,2-Dichloropropane	63	5.492	5.495	(1.097)	264377	51.2635	10.253
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.717	5.720	(1.142)	291346	47.7720	9.554
	47 2-Chloroethyl vinyl ether	63	5.965	5.968	(1.191)	92356	40.3076	8.062
	48 cis-1,3-Dichloropropene	75	6.107	6.110	(1.220)	302174	45.9958	9.199
	49 4-Methyl-2-pentanone	43	6.226	6.229	(1.243)	183819	40.4566	8.091
	50 Toluene	91	6.415	6.406	(0.838)	1058705	52.3417	10.468
	51 trans-1,3-Dichloropropene	75	6.581	6.584	(0.859)	266504	49.7931	9.959
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.746	6.749	(0.881)	212012	52.1786	10.436
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.912	6.915	(0.903)	205559	50.7778	10.156
	56 2-Hexanone	43	6.971	6.974	(0.910)	114221	38.2088	7.642
	57 Dibromochloromethane	129	7.113	7.116	(0.929)	214222	50.5643	10.113
	58 1,2-Dibromoethane	107	7.231	7.223	(0.944)	187550	49.5374	9.907
	59 Chlorobenzene	112	7.681	7.684	(1.003)	714970	49.9996	10.00
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.788	7.779	(1.017)	340542	49.4500	9.890
	62 m + p-Xylene	106	7.894	7.897	(1.031)	921225	108.135	21.627
M	63 Xylenes (total)	106				1326030	154.294	30.859
	64 Xylene-o	106	8.273	8.264	(1.080)	404805	46.1595	9.232
	65 Styrene	104	8.273	8.276	(1.080)	702881	46.4691	9.294
	66 Bromoform	173	8.450	8.453	(1.104)	140019	51.0687	10.214
	67 Isopropylbenzene	105	8.616	8.619	(1.125)	910749	46.5957	9.319
	68 1,1,2,2-Tetrachloroethane	83	8.888	8.879	(0.898)	243989	54.1044	10.821
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

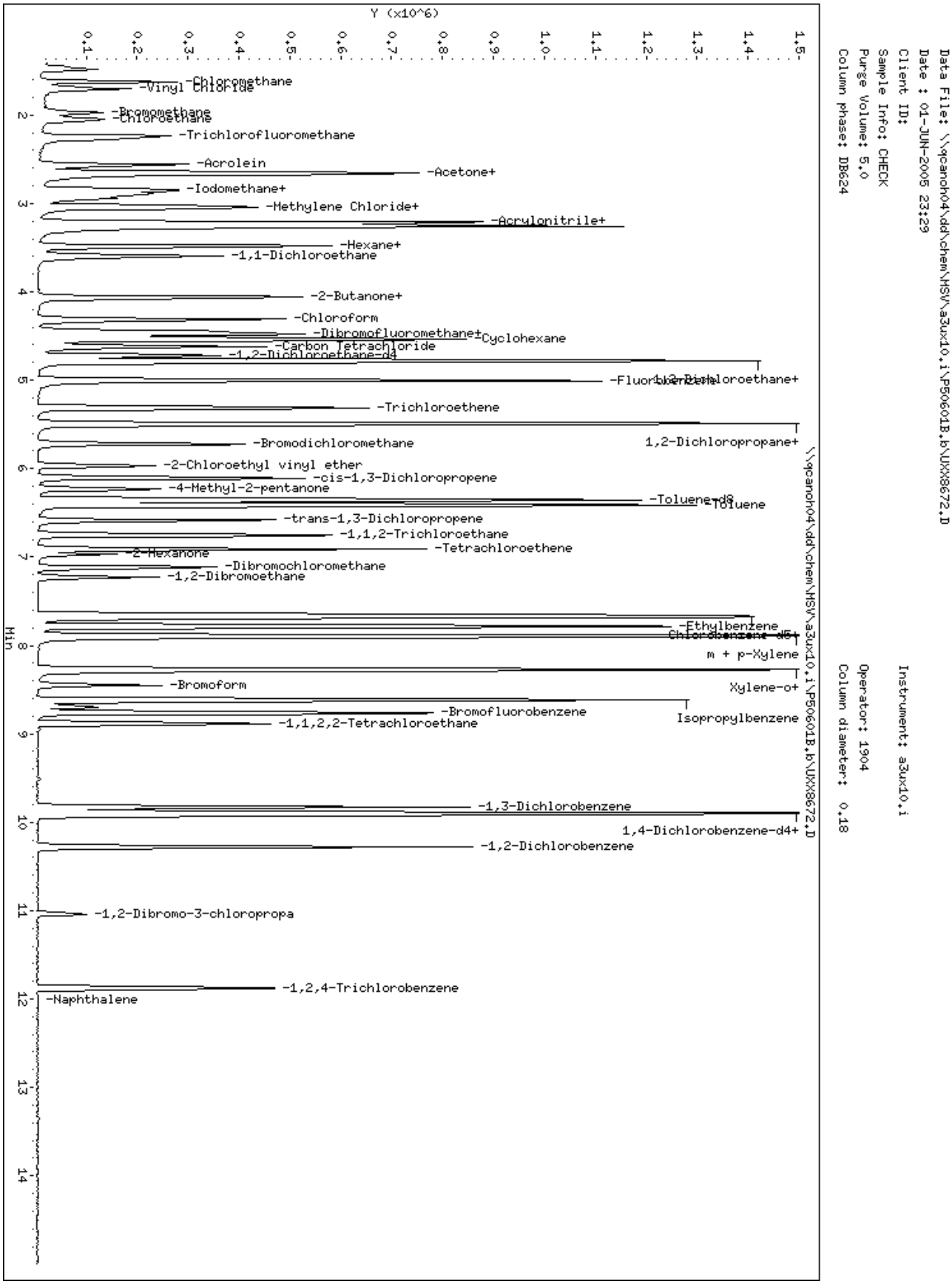
76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8672.D
Report Date: 02-Jun-2005 08:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.835	9.826	(0.994)	455055	47.1422	9.428
81 1,4-Dichlorobenzene	146	9.917	9.909	(1.002)	558866	53.0566	10.611
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.284	10.276	(1.039)	458038	48.7889	9.758
84 1,2-Dibromo-3-chloropropane	157	11.042	11.045	(1.116)	32743	46.3066	9.261
85 1,2,4-Trichlorobenzene	180	11.882	11.873	(1.201)	198303	41.3295	8.266
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	12.118	12.121	(1.225)	1314	5.67059	1.134
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.534	4.537	(0.905)	365221	53.8403	10.768
143 Methyl Acetate	43	2.948	2.939	(0.589)	179840	42.4107	8.482(A)
144 Methylcyclohexane	83	5.492	5.495	(1.097)	301281	50.5596	10.112(A)
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8672.D
Date : 01-JUN-2005 23:29
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-Fluorobenzene
1,2-Dichloroethane+
-Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Ethylbenzene
Chlorobenzene-d5+
m + p-Xylene
-Bromoform
Xylene-o+
-Bromofluorobenzene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Naphthalene
\\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8672.D

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A5E260235 **Work Order #...:** HC1V51AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5F060000-292 HC1V51AD-LCSD
Prep Date.....: 06/03/05 **Analysis Date..:** 06/03/05
Prep Batch #...: 5157292
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**100**	**(80 - 116)**			**SW846 8260B**
	97	**(80 - 116)**	**3.1**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**101**	**(76 - 117)**			**SW846 8260B**
	101	**(76 - 117)**	**0.10**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**92**	**(63 - 130)**			**SW846 8260B**
	87	**(63 - 130)**	**6.0**	**(0-20)**	**SW846 8260B**
Toluene	**107**	**(74 - 119)**			**SW846 8260B**
	103	**(74 - 119)**	**3.0**	**(0-20)**	**SW846 8260B**
Trichloroethene	**98**	**(75 - 122)**			**SW846 8260B**
	95	**(75 - 122)**	**3.2**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(73 - 122)
	102	(73 - 122)
1,2-Dichloroethane-d4	95	(61 - 128)
	105	(61 - 128)
Toluene-d8	105	(76 - 110)
	104	(76 - 110)
4-Bromofluorobenzene	105	(74 - 116)
	111	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A5E260235 **Work Order #...:** HC1V51AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5F060000-292 HC1V51AD-LCSD
Prep Date.....: 06/03/05 **Analysis Date..:** 06/03/05
Prep Batch #...: 5157292
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**10**	**10**	**ug/L**	**100**		**SW846 8260B**
	10	**9.7**	**ug/L**	**97**	**3.1**	**SW846 8260B**
Chlorobenzene	**10**	**10**	**ug/L**	**101**		**SW846 8260B**
	10	**10**	**ug/L**	**101**	**0.10**	**SW846 8260B**
1,1-Dichloroethene	**10**	**9.2**	**ug/L**	**92**		**SW846 8260B**
	10	**8.7**	**ug/L**	**87**	**6.0**	**SW846 8260B**
Toluene	**10**	**11**	**ug/L**	**107**		**SW846 8260B**
	10	**10**	**ug/L**	**103**	**3.0**	**SW846 8260B**
Trichloroethene	**10**	**9.8**	**ug/L**	**98**		**SW846 8260B**
	10	**9.5**	**ug/L**	**95**	**3.2**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(73 - 122)
	102	(73 - 122)
1,2-Dichloroethane-d4	95	(61 - 128)
	105	(61 - 128)
Toluene-d8	105	(76 - 110)
	104	(76 - 110)
4-Bromofluorobenzene	105	(74 - 116)
	111	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8782.D
Report Date: 06-Jun-2005 08:23

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8782.D
Lab Smp Id: CHECK
Inj Date : 03-JUN-2005 22:56
Operator : 1904 Inst ID: a3ux10.i
Smp Info : CHECK
Misc Info : P50603B,8260LLUX10,2-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\8260LLUX10.m
Meth Date : 06-Jun-2005 08:23 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 33 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.007	5.007	(1.000)	1142947	50.0000	
* 2 Chlorobenzene-d5	117	7.657	7.658	(1.000)	859605	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.894	9.894	(1.000)	403238	50.0000	
$ 4 Dibromofluoromethane	113	4.439	4.439	(0.887)	231506	49.6169	9.923
$ 5 1,2-Dichloroethane-d4	65	4.723	4.723	(0.943)	271690	47.6851	9.537
$ 6 Toluene-d8	98	6.356	6.356	(0.830)	876992	52.4615	10.492
$ 7 Bromofluorobenzene	95	8.770	8.758	(1.145)	319078	52.4783	10.496
8 Dichlorodifluoromethane	85	1.481	1.481	(0.296)	88103	26.3460	5.269
9 Chloromethane	50	1.611	1.623	(0.322)	274067	42.2531	8.451
10 Vinyl Chloride	62	1.706	1.706	(0.341)	237506	40.9650	8.193
11 Bromomethane	94	1.966	1.966	(0.393)	73997	24.2562	4.851
12 Chloroethane	64	2.049	2.049	(0.409)	165276	44.8747	8.975
13 Trichlorofluoromethane	101	2.238	2.238	(0.447)	286618	39.4884	7.898
15 Acrolein	56	2.557	2.558	(0.511)	353842	534.955	106.99
16 Acetone	43	2.676	2.676	(0.534)	81271	27.1582	5.432
17 1,1-Dichloroethene	96	2.652	2.653	(0.530)	185114	46.1548	9.231
18 Freon-113	151	2.652	2.653	(0.530)	137356	44.3104	8.862
19 Iodomethane	142	2.806	2.783	(0.560)	4293	4.63241	0.9265
20 Carbon Disulfide	76	2.841	2.842	(0.568)	603994	44.6305	8.926
21 Methylene Chloride	84	3.031	3.043	(0.605)	258298	43.2310	8.646

22 Acetonitrile	41	2.901	2.901 (0.579)	324413	436.149	87.230
23 Acrylonitrile	53	3.208	3.209 (0.641)	945660	472.296	94.459

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8782.D
Report Date: 06-Jun-2005 08:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.256	3.256	(0.650)	566462	53.1284	10.626
	25 trans-1,2-Dichloroethene	96	3.256	3.256	(0.650)	247279	49.8182	9.964
	26 Hexane	86	3.480	3.481	(0.695)	39040	43.5481	8.710
	27 Vinyl acetate	43	3.480	3.623	(0.695)	143651	18.3218	3.664
	28 1,1-Dichloroethane	63	3.587	3.587	(0.716)	455905	50.3019	10.060
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.060	4.061	(0.811)	115857	41.4811	8.296
M	31 1,2-Dichloroethene (total)	96				498122	97.9986	19.600
	32 cis-1,2-dichloroethene	96	4.060	4.061	(0.811)	250843	48.1805	9.636
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.309	4.309	(0.861)	431761	49.0683	9.814
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.474	4.475	(0.894)	350742	52.9396	10.588
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.616	4.617	(0.922)	290230	50.6080	10.122
	40 1,2-Dichloroethane	62	4.782	4.782	(0.955)	352910	48.6234	9.725
	41 Benzene	78	4.782	4.782	(0.955)	1009750	50.1102	10.022
	42 Trichloroethene	130	5.315	5.315	(1.061)	255771	48.9247	9.785
	43 1,2-Dichloropropane	63	5.492	5.492	(1.097)	269599	52.0723	10.414
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.717	5.717	(1.142)	301507	49.2454	9.849
	47 2-Chloroethyl vinyl ether	63	5.965	5.966	(1.191)	105616	44.8193	8.964
	48 cis-1,3-Dichloropropene	75	6.107	6.108	(1.220)	325233	49.3128	9.862
	49 4-Methyl-2-pentanone	43	6.226	6.226	(1.243)	214799	47.0907	9.418
	50 Toluene	91	6.415	6.415	(0.838)	1116761	53.2636	10.653
	51 trans-1,3-Dichloropropene	75	6.581	6.581	(0.859)	288518	52.0039	10.401
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.746	6.747	(0.881)	222886	52.9191	10.584
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.912	6.912	(0.903)	212196	50.5676	10.114
	56 2-Hexanone	43	6.971	6.972	(0.910)	138306	44.6330	8.927
	57 Dibromochloromethane	129	7.113	7.114	(0.929)	217158	49.4485	9.890
	58 1,2-Dibromoethane	107	7.231	7.232	(0.944)	206622	52.6490	10.530
	59 Chlorobenzene	112	7.681	7.681	(1.003)	745982	50.3274	10.065
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.788	7.788	(1.017)	366195	51.2986	10.260
	62 m + p-Xylene	106	7.894	7.894	(1.031)	953328	107.954	21.591
M	63 Xylenes (total)	106				1387442	155.632	31.126
	64 Xylene-o	106	8.273	8.273	(1.080)	434114	47.6777	9.536
	65 Styrene	104	8.273	8.273	(1.080)	728755	46.4789	9.296
	66 Bromoform	173	8.450	8.451	(1.104)	144676	50.9052	10.181
	67 Isopropylbenzene	105	8.616	8.616	(1.125)	989442	48.7044	9.741
	68 1,1,2,2-Tetrachloroethane	83	8.888	8.888	(0.898)	276755	61.4711	12.294
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

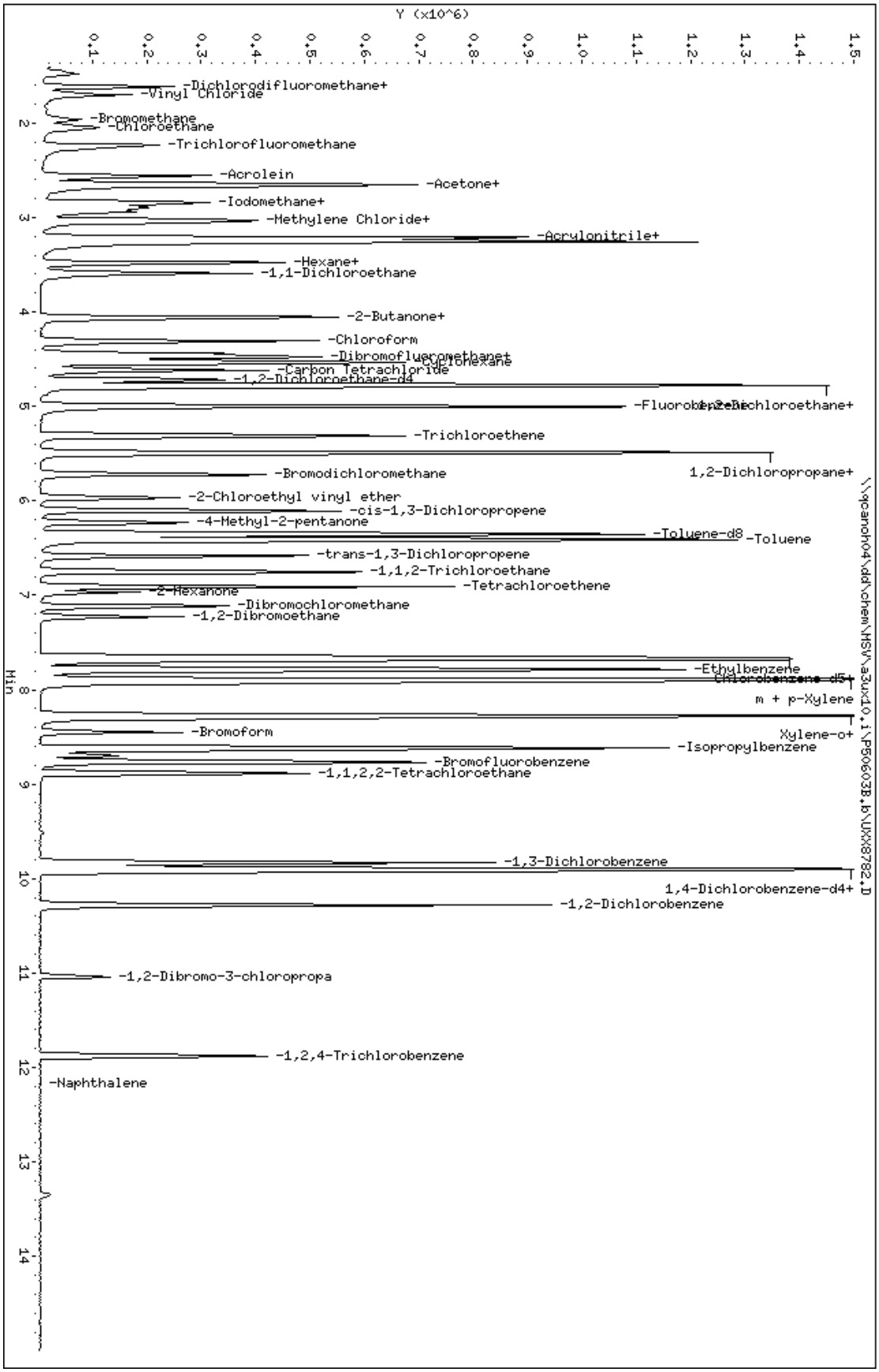
76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8782.D
Report Date: 06-Jun-2005 08:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.835	9.835	(0.994)	492593	51.1150	10.223
81 1,4-Dichlorobenzene	146	9.917	9.918	(1.002)	583868	55.5213	11.104
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.284	10.285	(1.039)	494674	52.7779	10.556
84 1,2-Dibromo-3-chloropropane	157	11.042	11.042	(1.116)	42063	59.5852	11.917
85 1,2,4-Trichlorobenzene	180	11.882	11.882	(1.201)	164549	34.8165	6.963
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	12.130	12.119	(1.226)	1431	5.68517	1.137
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.534	4.534	(0.905)	283630	41.6493	8.330
143 Methyl Acetate	43	2.948	2.948	(0.589)	184078	43.2409	8.648(A)
144 Methylcyclohexane	83	5.492	5.492	(1.097)	233930	39.1041	7.821(A)
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8782.D
Date : 03-JUN-2005 22:56
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-Fluorobenzene
-1,2-Dichloroethane+
-Trichloroethene
1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Ethylbenzene
Chlorobenzene-d5+
m + p-Xylene
-Bromoform
Xylene-o+
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Naphthalene
\\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8782.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8783.D
Report Date: 06-Jun-2005 08:24

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8783.D
Lab Smp Id: CHECK
Inj Date : 03-JUN-2005 23:21
Operator : 1904 Inst ID: a3ux10.i
Smp Info : CHECK
Misc Info : P50603B,8260LLUX10,2-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\8260LLUX10.m
Meth Date : 06-Jun-2005 08:23 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 34 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.006	5.007	(1.000)	1176028	50.0000	
* 2 Chlorobenzene-d5	117	7.656	7.658	(1.000)	873561	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.893	9.894	(1.000)	414987	50.0000	
$ 4 Dibromofluoromethane	113	4.438	4.439	(0.887)	246048	51.2502	10.250
$ 5 1,2-Dichloroethane-d4	65	4.722	4.723	(0.943)	307496	52.4514	10.490
$ 6 Toluene-d8	98	6.355	6.356	(0.830)	881056	51.8626	10.372
$ 7 Bromofluorobenzene	95	8.769	8.758	(1.145)	341997	55.3491	11.070
8 Dichlorodifluoromethane	85	1.480	1.481	(0.296)	98483	28.6216	5.724
9 Chloromethane	50	1.622	1.623	(0.324)	270174	40.4813	8.096
10 Vinyl Chloride	62	1.704	1.706	(0.341)	231821	38.8597	7.772
11 Bromomethane	94	1.965	1.966	(0.393)	77289	24.6226	4.924
12 Chloroethane	64	2.059	2.049	(0.411)	161787	42.6917	8.538
13 Trichlorofluoromethane	101	2.237	2.238	(0.447)	300055	40.1768	8.035
15 Acrolein	56	2.556	2.558	(0.511)	350232	514.602	102.92
16 Acetone	43	2.687	2.676	(0.537)	73060	20.8351	4.167
17 1,1-Dichloroethene	96	2.651	2.653	(0.530)	179417	43.4760	8.695
18 Freon-113	151	2.651	2.653	(0.530)	154765	48.5221	9.704
19 Iodomethane	142	2.793	2.783	(0.558)	4039	4.50703	0.9014
20 Carbon Disulfide	76	2.840	2.842	(0.567)	583233	41.8841	8.377
21 Methylene Chloride	84	3.041	3.043	(0.608)	257138	41.6358	8.327

22 Acetonitrile	41	2.899	2.901 (0.579)	325569	425.391	85.078
23 Acrylonitrile	53	3.219	3.209 (0.643)	943416	457.921	91.584

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8783.D
Report Date: 06-Jun-2005 08:24

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.254	3.256	(0.650)	581340	52.9901	10.598
	25 trans-1,2-Dichloroethene	96	3.254	3.256	(0.650)	242430	47.4674	9.493
	26 Hexane	86	3.479	3.481	(0.695)	39130	42.4207	8.484
	27 Vinyl acetate	43	3.479	3.623	(0.695)	154102	19.1019	3.820
	28 1,1-Dichloroethane	63	3.586	3.587	(0.716)	447489	47.9845	9.597
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.059	4.061	(0.811)	114958	40.0014	8.000
M	31 1,2-Dichloroethene (total)	96				492274	94.1061	18.821
	32 cis-1,2-dichloroethene	96	4.059	4.061	(0.811)	249844	46.6387	9.328
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.308	4.309	(0.861)	425430	46.9887	9.398
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.473	4.475	(0.894)	339108	49.7438	9.949
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.615	4.617	(0.922)	289023	48.9799	9.796
	40 1,2-Dichloroethane	62	4.781	4.782	(0.955)	357171	47.8262	9.565
	41 Benzene	78	4.781	4.782	(0.955)	1006910	48.5636	9.713
	42 Trichloroethene	130	5.313	5.315	(1.061)	254747	47.3582	9.472
	43 1,2-Dichloropropane	63	5.491	5.492	(1.097)	272703	51.1902	10.238
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.716	5.717	(1.142)	302527	48.0221	9.604
	47 2-Chloroethyl vinyl ether	63	5.964	5.966	(1.191)	107444	44.4018	8.880
	48 cis-1,3-Dichloropropene	75	6.106	6.108	(1.220)	333048	49.0772	9.815
	49 4-Methyl-2-pentanone	43	6.225	6.226	(1.243)	213523	45.4942	9.099
	50 Toluene	91	6.414	6.415	(0.838)	1101863	51.7135	10.343
	51 trans-1,3-Dichloropropene	75	6.579	6.581	(0.859)	297316	52.7336	10.547
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.757	6.747	(0.883)	217756	50.8751	10.175
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.911	6.912	(0.903)	203350	47.6853	9.537
	56 2-Hexanone	43	6.970	6.972	(0.910)	131129	41.6409	8.328
	57 Dibromochloromethane	129	7.112	7.114	(0.929)	220213	49.3431	9.869
	58 1,2-Dibromoethane	107	7.230	7.232	(0.944)	205141	51.4365	10.287
	59 Chlorobenzene	112	7.680	7.681	(1.003)	757263	50.2723	10.054
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.786	7.788	(1.017)	370649	51.0930	10.219
	62 m + p-Xylene	106	7.893	7.894	(1.031)	953563	106.256	21.251
M	63 Xylenes (total)	106				1387214	153.160	30.632
	64 Xylene-o	106	8.272	8.273	(1.080)	433651	46.9039	9.381
	65 Styrene	104	8.283	8.273	(1.082)	732791	46.0151	9.203
	66 Bromoform	173	8.449	8.451	(1.104)	147280	50.9935	10.199
	67 Isopropylbenzene	105	8.615	8.616	(1.125)	978210	47.4562	9.491
	68 1,1,2,2-Tetrachloroethane	83	8.887	8.888	(0.898)	280843	60.6131	12.123
	69 1,4-Dichloro-2-butene	53	8.698	8.936	(0.879)	4617	3.44961	0.6899
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

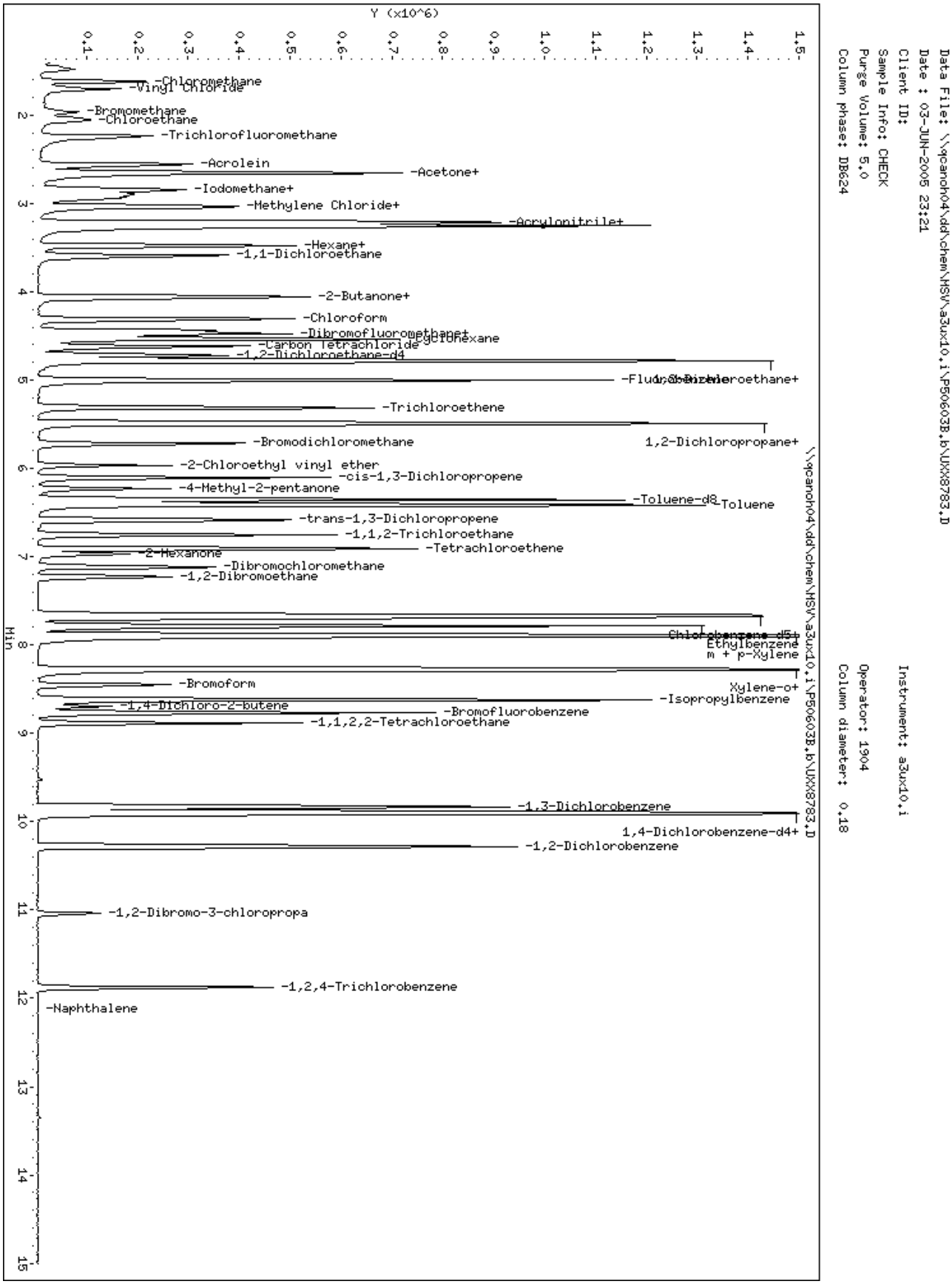
76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8783.D
Report Date: 06-Jun-2005 08:24

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.834	9.835	(0.994)	496536	50.0654	10.013
81 1,4-Dichlorobenzene	146	9.916	9.918	(1.002)	580175	53.6082	10.722
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.283	10.285	(1.039)	499134	51.7460	10.349
84 1,2-Dibromo-3-chloropropane	157	11.040	11.042	(1.116)	39691	54.6332	10.927
85 1,2,4-Trichlorobenzene	180	11.881	11.882	(1.201)	183963	37.5843	7.517
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	12.117	12.119	(1.225)	962	5.62446	1.125
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.532	4.534	(0.905)	309628	44.1880	8.838
143 Methyl Acetate	43	2.947	2.948	(0.589)	177293	40.4756	8.095(A)
144 Methylcyclohexane	83	5.491	5.492	(1.097)	261678	42.5120	8.502(A)
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8783.D
Date : 03-JUN-2005 23:21
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o+
-Isopropylbenzene
-1,4-Dichloro-2-butene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Naphthalene
\\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8783.D

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A5E260235 **Work Order #...:** HC2VN1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5F070000-057 HC2VN1AD-LCSD
Prep Date.....: 06/06/05 **Analysis Date..:** 06/06/05
Prep Batch #...: 5158057
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**91**	**(80 - 116)**			**SW846 8260B**
	100	**(80 - 116)**	**9.7**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**92**	**(76 - 117)**			**SW846 8260B**
	99	**(76 - 117)**	**7.7**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**95**	**(63 - 130)**			**SW846 8260B**
	103	**(63 - 130)**	**8.3**	**(0-20)**	**SW846 8260B**
Toluene	**90**	**(74 - 119)**			**SW846 8260B**
	96	**(74 - 119)**	**6.6**	**(0-20)**	**SW846 8260B**
Trichloroethene	**94**	**(75 - 122)**			**SW846 8260B**
	100	**(75 - 122)**	**6.6**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 122)
	101	(73 - 122)
1,2-Dichloroethane-d4	111	(61 - 128)
	109	(61 - 128)
Toluene-d8	104	(76 - 110)
	101	(76 - 110)
4-Bromofluorobenzene	102	(74 - 116)
	100	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A5E260235 **Work Order #...:** HC2VN1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5F070000-057 HC2VN1AD-LCSD
Prep Date.....: 06/06/05 **Analysis Date..:** 06/06/05
Prep Batch #...: 5158057
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**10**	**9.1**	**ug/L**	**91**		**SW846 8260B**
	10	**10**	**ug/L**	**100**	**9.7**	**SW846 8260B**
Chlorobenzene	**10**	**9.2**	**ug/L**	**92**		**SW846 8260B**
	10	**9.9**	**ug/L**	**99**	**7.7**	**SW846 8260B**
1,1-Dichloroethene	**10**	**9.5**	**ug/L**	**95**		**SW846 8260B**
	10	**10**	**ug/L**	**103**	**8.3**	**SW846 8260B**
Toluene	**10**	**9.0**	**ug/L**	**90**		**SW846 8260B**
	10	**9.6**	**ug/L**	**96**	**6.6**	**SW846 8260B**
Trichloroethene	**10**	**9.4**	**ug/L**	**94**		**SW846 8260B**
	10	**10**	**ug/L**	**100**	**6.6**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 122)
	101	(73 - 122)
1,2-Dichloroethane-d4	111	(61 - 128)
	109	(61 - 128)
Toluene-d8	104	(76 - 110)
	101	(76 - 110)
4-Bromofluorobenzene	102	(74 - 116)
	100	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50606A.b\UX93817.D
Report Date: 06-Jun-2005 09:03

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50606A.b\UX93817.D
Lab Smp Id: LCS
Inj Date : 06-JUN-2005 08:48
Operator : 1754 Inst ID: a3ux9.i
Smp Info : LCS
Misc Info : N50606A,8260MIUX9,2-8260.SUB,1754,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50606A.b\8260MIUX9.m
Meth Date : 06-Jun-2005 08:41 mcdaniels Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.100	5.097	(1.000)	837409	50.0000	
* 2 Chlorobenzene-d5	117	7.750	7.748	(1.000)	624276	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.975	9.984	(1.000)	274002	50.0000	
$ 4 Dibromofluoromethane	113	4.544	4.541	(0.891)	179009	52.1335	10.427
$ 5 1,2-Dichloroethane-d4	65	4.816	4.813	(0.944)	216856	55.3908	11.078
$ 6 Toluene-d8	98	6.437	6.446	(0.831)	888368	52.0951	10.419
$ 7 Bromofluorobenzene	95	8.851	8.848	(1.142)	333939	50.9023	10.180
8 Dichlorodifluoromethane	85	1.585	1.583	(0.311)	88854	30.8109	6.162
9 Chloromethane	50	1.716	1.713	(0.336)	247571	39.1809	7.836
10 Vinyl Chloride	62	1.810	1.808	(0.355)	205797	41.9632	8.393
11 Bromomethane	94	2.106	2.104	(0.413)	82655	46.2590	9.252
12 Chloroethane	64	2.189	2.198	(0.429)	111893	46.2978	9.260
13 Trichlorofluoromethane	101	2.378	2.376	(0.466)	184436	45.2487	9.050
15 Acrolein	56	2.674	2.672	(0.524)	211783	432.976	86.595(A)
16 Acetone	43	2.792	2.790	(0.548)	49713	27.7761	5.555
17 1,1-Dichloroethene	61	2.769	2.766	(0.543)	308684	47.4045	9.481
18 Freon-113	151	2.816	2.814	(0.552)	142190	49.8043	9.961
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.958	2.956	(0.580)	566854	43.8633	8.773
21 Methylene Chloride	84	3.135	3.145	(0.615)	208461	46.1875	9.238

22 Acetonitrile	41	3.005	3.003 (0.589)	228163	455.061	91.012(A)
23 Acrylonitrile	53	3.325	3.322 (0.652)	601305	461.097	92.219(A)

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50606A.b\UX93817.D
Report Date: 06-Jun-2005 09:03

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.360	3.358	(0.659)	143185	27.4676	5.494
	25 trans-1,2-Dichloroethene	61	3.360	3.370	(0.659)	315115	45.4971	9.099
	26 Hexane	57	3.585	3.583	(0.703)	379230	47.0396	9.408
	27 Vinyl acetate	43	3.585	3.713	(0.703)	263237	32.5513	6.510
	28 1,1-Dichloroethane	63	3.692	3.701	(0.724)	382561	46.2454	9.249
	29 tert-Butyl Alcohol	59	3.218	3.204	(0.631)	4582	30.1725	6.034
	30 2-Butanone	43	4.153	4.151	(0.814)	72772	36.1921	7.238
M	31 1,2-Dichloroethene (total)	61				617797	86.4361	17.287
	32 cis-1,2-dichloroethene	61	4.165	4.162	(0.817)	302682	40.9389	8.188
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.413	4.411	(0.865)	298236	46.0756	9.215
	36 Tetrahydrofuran	42	4.638	4.399	(0.910)	115032	108.143	21.628
	37 1,1,1-Trichloroethane	97	4.579	4.577	(0.898)	241300	44.8298	8.966
	38 1,1-Dichloropropene	75	4.875	4.707	(0.956)	12789	2.33025	0.4660
	39 Carbon Tetrachloride	117	4.721	4.719	(0.926)	193045	43.7321	8.746
	40 1,2-Dichloroethane	62	4.887	4.884	(0.958)	252401	47.0753	9.415
	41 Benzene	78	4.875	4.872	(0.956)	848139	45.5403	9.108
	42 Trichloroethene	130	5.407	5.405	(1.060)	213833	46.8391	9.368
	43 1,2-Dichloropropane	63	5.585	5.594	(1.095)	232135	45.8753	9.175
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.822	5.819	(1.142)	201667	43.3734	8.675
	48 cis-1,3-Dichloropropene	75	6.200	6.198	(1.216)	274281	43.4556	8.691
	49 4-Methyl-2-pentanone	43	6.318	6.316	(1.239)	162778	44.2091	8.842
	50 Toluene	91	6.496	6.505	(0.838)	941872	45.0088	9.002
	51 trans-1,3-Dichloropropene	75	6.673	6.671	(0.861)	201980	41.7838	8.357
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.851	6.849	(0.884)	150354	47.5040	9.501
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.993	7.002	(0.902)	168878	44.8138	8.963
	56 2-Hexanone	43	7.052	7.050	(0.910)	108803	38.9413	7.788
	57 Dibromochloromethane	129	7.206	7.215	(0.930)	125285	42.5539	8.511
	58 1,2-Dibromoethane	107	7.324	7.322	(0.945)	133363	47.2328	9.446
	59 Chlorobenzene	112	7.774	7.771	(1.003)	626518	45.8645	9.173
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	7.869	7.866	(1.015)	1076169	45.4567	9.091
	62 m + p-Xylene	91	7.975	7.973	(1.029)	1671831	90.6103	18.122
M	63 Xylenes (total)	91				2506467	135.210	27.042
	64 Xylene-o	91	8.354	8.351	(1.078)	834636	44.5998	8.920
	65 Styrene	104	8.366	8.363	(1.079)	647802	44.5461	8.909
	66 Bromoform	173	8.543	8.541	(1.102)	64007	37.5510	7.510
	67 Isopropylbenzene	105	8.697	8.706	(1.122)	1016381	47.1275	9.425
	68 1,1,2,2-Tetrachloroethane	83	8.981	8.978	(0.900)	155485	48.3530	9.670
	69 1,4-Dichloro-2-butene	53	8.792	9.026	(0.881)	1103	1.50024	0.3000
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

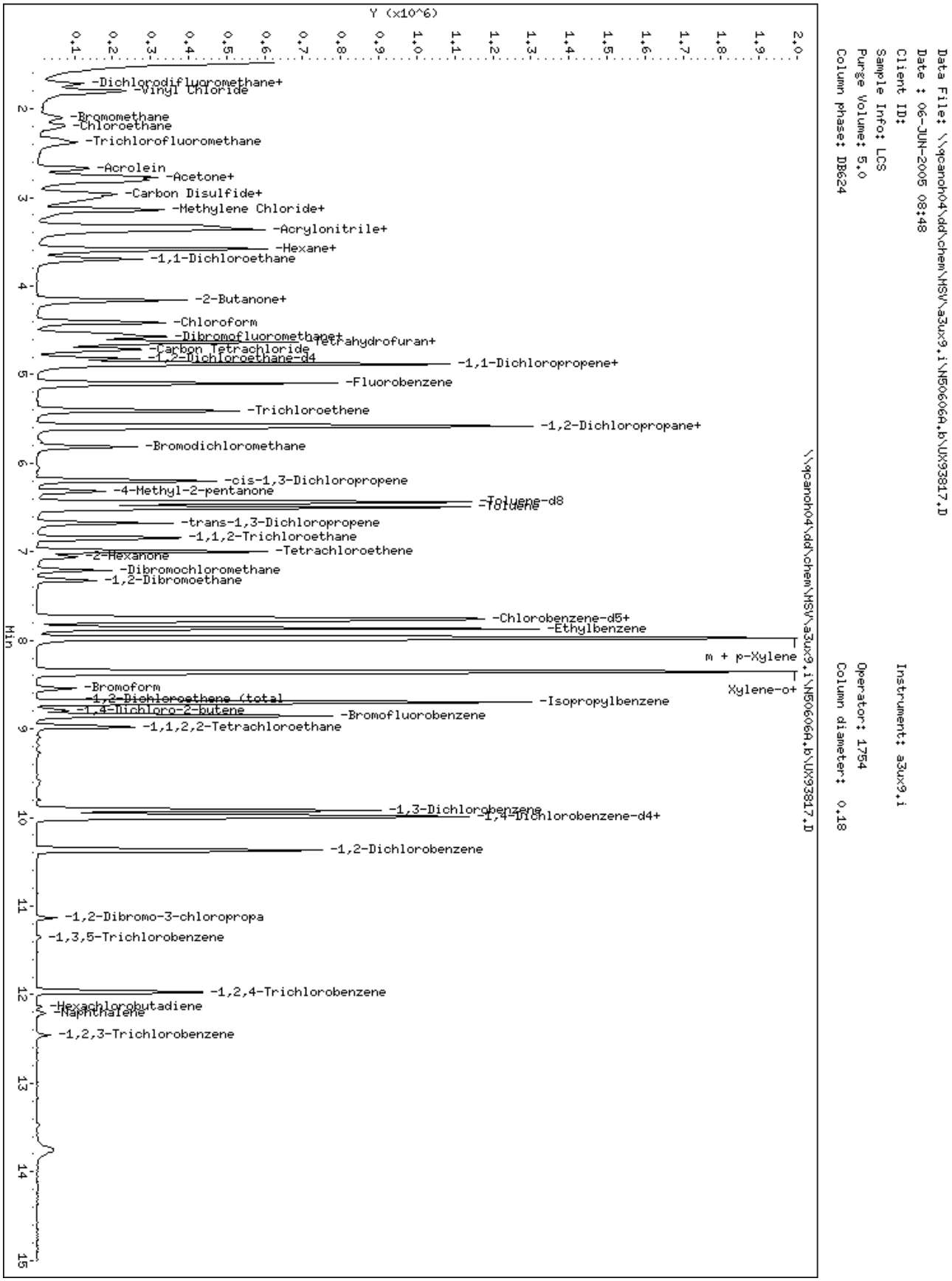
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50606A.b\UX93817.D
Report Date: 06-Jun-2005 09:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.916	9.913	(0.994)	441925	45.6007	9.120
81 1,4-Dichlorobenzene	146	9.998	10.008	(1.002)	448661	45.6085	9.122
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.365	10.375	(1.039)	390556	45.3385	9.068
84 1,2-Dibromo-3-chloropropane	157	11.134	11.132	(1.116)	15650	34.5138	6.903
85 1,2,4-Trichlorobenzene	180	11.975	11.972	(1.200)	184879	39.6743	7.935
86 Hexachlorobutadiene	225	12.140	12.150	(1.217)	3770	1.55008	0.3100
87 Naphthalene	128	12.211	12.209	(1.224)	25417	6.46299	1.292
88 1,2,3-Trichlorobenzene	180	12.460	12.457	(1.249)	18877	5.33859	1.068
98 Cyclohexane	56	4.638	4.636	(0.910)	469944	43.4300	8.686
143 Methyl Acetate	43	3.053	3.050	(0.599)	120789	41.0474	8.209
144 Methylcyclohexane	83	5.585	5.582	(1.095)	357605	42.9101	8.582
141 1,3,5-Trichlorobenzene	180	11.359	11.357	(1.139)	5494	0.87409	0.1748

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50606A.b\UX93817.D
Date : 06-JUN-2005 08:48
Client ID:
Sample Info: LCS
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Tetrahydrofuran+
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-1,1-Dichloropropene+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-Bromodichloromethane
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-Ethylbenzene
m + p-Xylene
Xylene-o+
-Bromoform
-1,2-Dichloroethene (total
-Isopropylbenzene
-1,4-Dichloro-2-butene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux9.i\N50606A.b\UX93817.D

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50606A.b\UX93818.D
Report Date: 06-Jun-2005 09:28

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50606A.b\UX93818.D
Lab Smp Id: LCSD
Inj Date : 06-JUN-2005 09:10
Operator : 1754 Inst ID: a3ux9.i
Smp Info : LCSD
Misc Info : N50606A,8260MIUX9,2-8260.SUB,1754,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50606A.b\8260MIUX9.m
Meth Date : 06-Jun-2005 08:41 mcdaniels Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 4 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.096	5.097	(1.000)	829857	50.0000	
* 2 Chlorobenzene-d5	117	7.747	7.748	(1.000)	628352	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.983	9.984	(1.000)	272804	50.0000	
$ 4 Dibromofluoromethane	113	4.540	4.541	(0.891)	172466	50.6851	10.137
$ 5 1,2-Dichloroethane-d4	65	4.824	4.813	(0.947)	210513	54.2599	10.852
$ 6 Toluene-d8	98	6.445	6.446	(0.832)	869737	50.6717	10.134
$ 7 Bromofluorobenzene	95	8.847	8.848	(1.142)	329861	49.9546	9.991
8 Dichlorodifluoromethane	85	1.594	1.583	(0.313)	94510	33.0704	6.614
9 Chloromethane	50	1.712	1.713	(0.336)	279000	44.5568	8.911
10 Vinyl Chloride	62	1.807	1.808	(0.355)	230003	47.3257	9.465
11 Bromomethane	94	2.091	2.104	(0.410)	93469	52.7873	10.557
12 Chloroethane	64	2.197	2.198	(0.431)	120417	50.2782	10.056
13 Trichlorofluoromethane	101	2.387	2.376	(0.468)	202658	50.1717	10.034
15 Acrolein	56	2.671	2.672	(0.524)	236973	488.884	97.777(A)
16 Acetone	43	2.789	2.790	(0.547)	56044	32.7274	6.545
17 1,1-Dichloroethene	61	2.765	2.766	(0.543)	332312	51.4974	10.299
18 Freon-113	151	2.813	2.814	(0.552)	150414	53.1644	10.633
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.955	2.956	(0.580)	619028	48.3364	9.667
21 Methylene Chloride	84	3.144	3.145	(0.617)	224734	50.6636	10.133

22 Acetonitrile	41	3.014	3.003 (0.591)	255190	513.597	102.72(A)
23 Acrylonitrile	53	3.321	3.322 (0.652)	669945	518.407	103.68(A)

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50606A.b\UX93818.D
Report Date: 06-Jun-2005 09:28

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.357	3.358	(0.659)	163126	31.5777	6.316
	25 trans-1,2-Dichloroethene	61	3.369	3.370	(0.661)	342727	49.9342	9.987
	26 Hexane	57	3.582	3.583	(0.703)	413341	51.7373	10.347
	27 Vinyl acetate	43	3.582	3.713	(0.703)	287434	35.8669	7.173
	28 1,1-Dichloroethane	63	3.700	3.701	(0.726)	406684	49.6089	9.922
	29 tert-Butyl Alcohol	59	3.203	3.204	(0.629)	4453	29.5899	5.918
	30 2-Butanone	43	4.162	4.151	(0.817)	80135	40.2167	8.043
M	31 1,2-Dichloroethene (total)	61				674064	95.1566	19.031
	32 cis-1,2-dichloroethene	61	4.162	4.162	(0.817)	331337	45.2225	9.044
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.410	4.411	(0.865)	324912	50.6536	10.131
	36 Tetrahydrofuran	42	4.635	4.399	(0.909)	125389	119.362	23.872
	37 1,1,1-Trichloroethane	97	4.576	4.577	(0.898)	260347	48.8086	9.762
	38 1,1-Dichloropropene	75	4.883	4.707	(0.958)	14770	2.71570	0.5431
	39 Carbon Tetrachloride	117	4.718	4.719	(0.926)	209588	47.9118	9.582
	40 1,2-Dichloroethane	62	4.883	4.884	(0.958)	273897	51.5494	10.310
	41 Benzene	78	4.883	4.872	(0.958)	925838	50.1647	10.033
	42 Trichloroethene	130	5.404	5.405	(1.060)	226284	50.0175	10.004
	43 1,2-Dichloropropane	63	5.593	5.594	(1.098)	248648	49.5858	9.917
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.818	5.819	(1.142)	224464	48.7158	9.743
	48 cis-1,3-Dichloropropene	75	6.197	6.198	(1.216)	311826	49.8536	9.971
	49 4-Methyl-2-pentanone	43	6.315	6.316	(1.239)	173813	47.6358	9.527
	50 Toluene	91	6.504	6.505	(0.840)	1012686	48.0788	9.616
	51 trans-1,3-Dichloropropene	75	6.682	6.671	(0.863)	227730	46.8052	9.361
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.848	6.849	(0.884)	163026	51.1736	10.235
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.001	7.002	(0.904)	184486	48.6380	9.728
	56 2-Hexanone	43	7.061	7.050	(0.911)	117975	41.9502	8.390
	57 Dibromochloromethane	129	7.214	7.215	(0.931)	135665	45.7806	9.156
	58 1,2-Dibromoethane	107	7.321	7.322	(0.945)	147824	52.0149	10.403
	59 Chlorobenzene	112	7.771	7.771	(1.003)	681020	49.5310	9.906
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	7.865	7.866	(1.015)	1177468	49.4129	9.882
	62 m + p-Xylene	91	7.972	7.973	(1.029)	1840374	99.0980	19.820
M	63 Xylenes (total)	91				2763238	148.093	29.618
	64 Xylene-o	91	8.350	8.351	(1.078)	922864	48.9945	9.799
	65 Styrene	104	8.362	8.363	(1.079)	723730	49.4445	9.889
	66 Bromoform	173	8.540	8.541	(1.102)	73116	42.0965	8.419
	67 Isopropylbenzene	105	8.705	8.706	(1.124)	1129876	52.0502	10.410
	68 1,1,2,2-Tetrachloroethane	83	8.978	8.978	(0.899)	178240	55.6728	11.134
	69 1,4-Dichloro-2-butene	53	8.788	9.026	(0.880)	1838	2.51093	0.5022
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

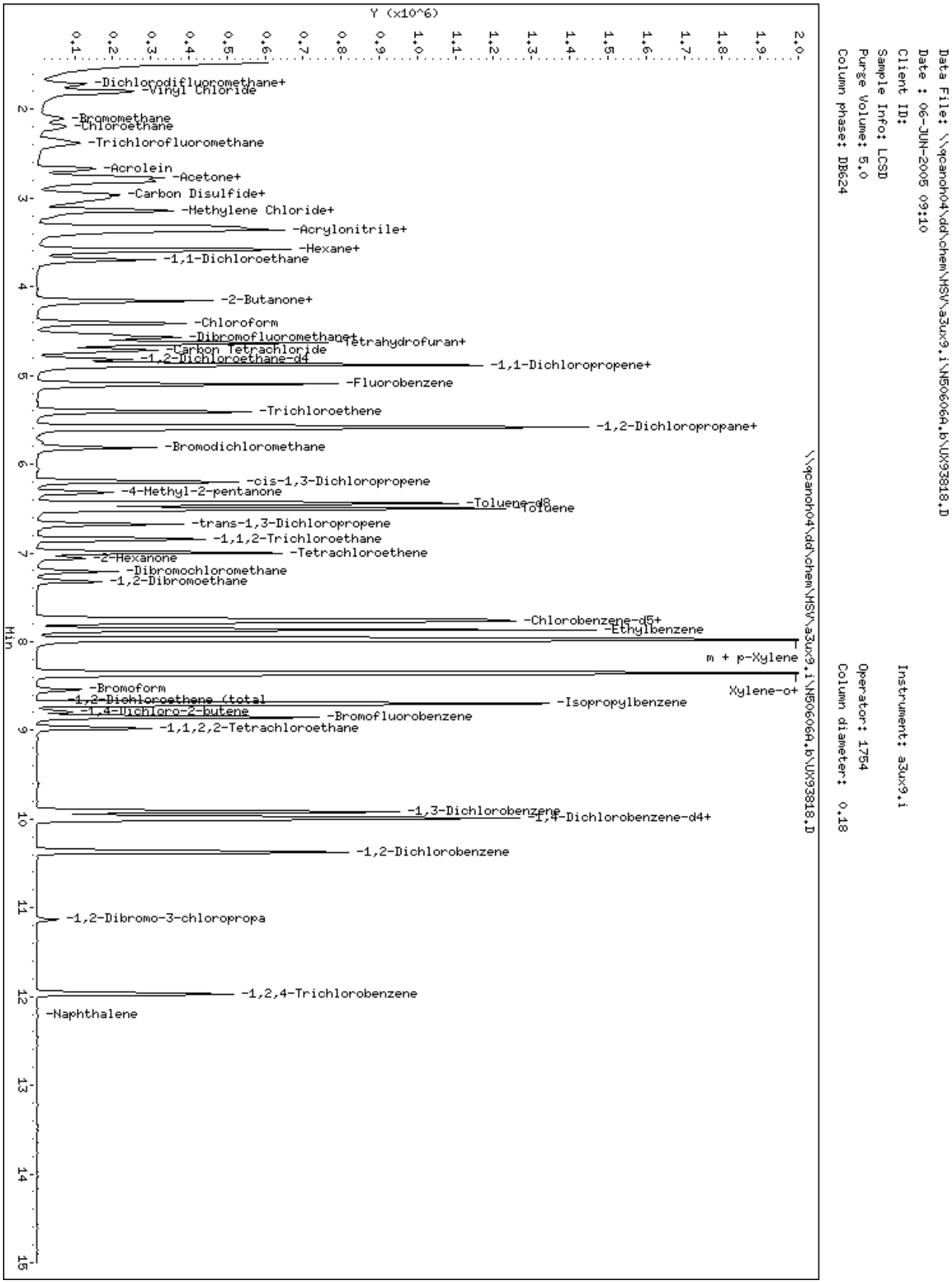
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50606A.b\UX93818.D
Report Date: 06-Jun-2005 09:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.912	9.913	(0.993)	478158	49.5561	9.911
81 1,4-Dichlorobenzene	146	10.007	10.008	(1.002)	497317	50.7767	10.155
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.374	10.375	(1.039)	418577	48.8048	9.761
84 1,2-Dibromo-3-chloropropane	157	11.143	11.132	(1.116)	16912	37.2916	7.458
85 1,2,4-Trichlorobenzene	180	11.971	11.972	(1.199)	199260	42.9481	8.590
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	12.208	12.209	(1.223)	3183	3.97590	0.7952
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.635	4.636	(0.909)	512951	47.8359	9.567
143 Methyl Acetate	43	3.049	3.050	(0.598)	134923	46.2678	9.254
144 Methylcyclohexane	83	5.582	5.582	(1.095)	397571	48.1399	9.628
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50606A.b\UX93818.D
Date : 06-JUN-2005 09:10
Client ID:
Sample Info: LCSD
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Tetrahydrofuran+
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-1,1-Dichloropropene+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-Bromodichloromethane
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-Ethylbenzene
m + p-Xylene
Xylene-o+
-Bromoform
-1,2-Dichloroethene (total
-Isopropylbenzene
-1,4-Dichloro-2-butene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Naphthalene
\\qcanoh04\dd\chem\MSV\a3ux9.i\N50606A.b\UX93818.D

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A5E260235 **Work Order #...:** HC5JW1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5F080000-092 HC5JW1AD-LCSD
Prep Date.....: 06/07/05 **Analysis Date..:** 06/07/05
Prep Batch #...: 5159092
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**93**	**(80 - 116)**			**SW846 8260B**
	104	**(80 - 116)**	**11**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**91**	**(76 - 117)**			**SW846 8260B**
	101	**(76 - 117)**	**11**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**94**	**(63 - 130)**			**SW846 8260B**
	106	**(63 - 130)**	**11**	**(0-20)**	**SW846 8260B**
Toluene	**92**	**(74 - 119)**			**SW846 8260B**
	102	**(74 - 119)**	**10**	**(0-20)**	**SW846 8260B**
Trichloroethene	**95**	**(75 - 122)**			**SW846 8260B**
	104	**(75 - 122)**	**8.7**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(73 - 122)
	101	(73 - 122)
1,2-Dichloroethane-d4	109	(61 - 128)
	103	(61 - 128)
Toluene-d8	106	(76 - 110)
	104	(76 - 110)
4-Bromofluorobenzene	101	(74 - 116)
	99	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A5E260235 **Work Order #...:** HC5JW1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5F080000-092 HC5JW1AD-LCSD
Prep Date.....: 06/07/05 **Analysis Date..:** 06/07/05
Prep Batch #...: 5159092
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**10**	**9.3**	**ug/L**	**93**		**SW846 8260B**
	10	**10**	**ug/L**	**104**	**11**	**SW846 8260B**
Chlorobenzene	**10**	**9.1**	**ug/L**	**91**		**SW846 8260B**
	10	**10**	**ug/L**	**101**	**11**	**SW846 8260B**
1,1-Dichloroethene	**10**	**9.4**	**ug/L**	**94**		**SW846 8260B**
	10	**11**	**ug/L**	**106**	**11**	**SW846 8260B**
Toluene	**10**	**9.2**	**ug/L**	**92**		**SW846 8260B**
	10	**10**	**ug/L**	**102**	**10**	**SW846 8260B**
Trichloroethene	**10**	**9.5**	**ug/L**	**95**		**SW846 8260B**
	10	**10**	**ug/L**	**104**	**8.7**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(73 - 122)
	101	(73 - 122)
1,2-Dichloroethane-d4	109	(61 - 128)
	103	(61 - 128)
Toluene-d8	106	(76 - 110)
	104	(76 - 110)
4-Bromofluorobenzene	101	(74 - 116)
	99	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50607A.b\UX93871.D
Report Date: 07-Jun-2005 09:23

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50607A.b\UX93871.D
Lab Smp Id: CHECK
Inj Date : 07-JUN-2005 09:08
Operator : 1754 Inst ID: a3ux9.i
Smp Info : CHECK
Misc Info : N50607A,8260MIUX9,2-8260.SUB,1754,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50607A.b\8260MIUX9.m
Meth Date : 07-Jun-2005 09:01 mcdaniels Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.099	5.097	(1.000)	748636	50.0000	
* 2 Chlorobenzene-d5	117	7.750	7.747	(1.000)	561835	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.974	9.984	(1.000)	239658	50.0000	
$ 4 Dibromofluoromethane	113	4.543	4.541	(0.891)	162816	53.0403	10.608
$ 5 1,2-Dichloroethane-d4	65	4.815	4.825	(0.944)	190268	54.3624	10.872
$ 6 Toluene-d8	98	6.436	6.446	(0.831)	815174	53.1156	10.623
$ 7 Bromofluorobenzene	95	8.850	8.848	(1.142)	298106	50.4904	10.098
8 Dichlorodifluoromethane	85	1.597	1.594	(0.313)	76959	29.8506	5.970
9 Chloromethane	50	1.715	1.724	(0.336)	246102	43.5669	8.713
10 Vinyl Chloride	62	1.810	1.807	(0.355)	202871	46.2718	9.254
11 Bromomethane	94	2.094	2.091	(0.411)	82394	51.5810	10.316
12 Chloroethane	64	2.188	2.186	(0.429)	105667	48.9062	9.781
13 Trichlorofluoromethane	101	2.378	2.387	(0.466)	162223	44.5185	8.904
15 Acrolein	56	2.674	2.671	(0.524)	207219	473.881	94.776(A)
16 Acetone	43	2.792	2.789	(0.548)	43123	26.7074	5.341
17 1,1-Dichloroethene	61	2.768	2.766	(0.543)	274894	47.2212	9.444
18 Freon-113	151	2.816	2.813	(0.552)	124118	48.6295	9.726
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.958	2.955	(0.580)	530193	45.8913	9.178
21 Methylene Chloride	84	3.147	3.144	(0.617)	185880	46.0557	9.211

22 Acetonitrile	41	3.005	3.014 (0.589)	176669	394.141	78.828(A)
23 Acrylonitrile	53	3.324	3.322 (0.652)	521774	447.556	89.511(A)

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50607A.b\UX93871.D
Report Date: 07-Jun-2005 09:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.360	3.357	(0.659)	97535	20.9291	4.186
	25 trans-1,2-Dichloroethene	61	3.372	3.369	(0.661)	289327	46.7273	9.345
	26 Hexane	57	3.585	3.582	(0.703)	339476	47.1017	9.420
	27 Vinyl acetate	43	3.585	3.724	(0.703)	238990	33.0574	6.611
	28 1,1-Dichloroethane	63	3.703	3.701	(0.726)	354079	47.8779	9.576
	29 tert-Butyl Alcohol	59	3.218	3.204	(0.631)	2607	19.2028	3.840
	30 2-Butanone	43	4.153	4.162	(0.814)	61032	33.9527	6.790
M	31 1,2-Dichloroethene (total)	61				570360	89.2455	17.849
	32 cis-1,2-dichloroethene	61	4.164	4.162	(0.817)	281033	42.5181	8.504
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.413	4.411	(0.865)	271100	46.8497	9.370
	36 Tetrahydrofuran	42	4.626	4.399	(0.907)	106279	111.899	22.380
	37 1,1,1-Trichloroethane	97	4.579	4.576	(0.898)	207907	43.2062	8.641
	38 1,1-Dichloropropene	75	4.874	4.706	(0.956)	11912	2.42783	0.4856
	39 Carbon Tetrachloride	117	4.721	4.718	(0.926)	168327	42.6543	8.531
	40 1,2-Dichloroethane	62	4.886	4.884	(0.958)	219091	45.7082	9.142
	41 Benzene	78	4.874	4.884	(0.956)	778230	46.7417	9.348
	42 Trichloroethene	130	5.407	5.404	(1.060)	193727	47.4669	9.493
	43 1,2-Dichloropropane	63	5.584	5.594	(1.095)	214185	47.3472	9.469
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.821	5.819	(1.142)	177771	42.7678	8.554
	48 cis-1,3-Dichloropropene	75	6.200	6.197	(1.216)	242372	42.9536	8.591
	49 4-Methyl-2-pentanone	43	6.318	6.316	(1.239)	125553	38.1426	7.628
	50 Toluene	91	6.496	6.505	(0.838)	867221	46.0472	9.209
	51 trans-1,3-Dichloropropene	75	6.673	6.682	(0.861)	177211	40.7341	8.147
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.851	6.848	(0.884)	127486	44.7554	8.951
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.004	7.002	(0.904)	151654	44.7157	8.943
	56 2-Hexanone	43	7.052	7.061	(0.910)	82703	32.8896	6.578
	57 Dibromochloromethane	129	7.205	7.215	(0.930)	106588	40.2269	8.045
	58 1,2-Dibromoethane	107	7.324	7.321	(0.945)	113810	44.7875	8.958
	59 Chlorobenzene	112	7.773	7.771	(1.003)	559084	45.4766	9.095
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	7.868	7.866	(1.015)	957536	44.9408	8.988
	62 m + p-Xylene	91	7.975	7.972	(1.029)	1490396	89.7542	17.951
M	63 Xylenes (total)	91				2232311	133.805	26.761
	64 Xylene-o	91	8.353	8.351	(1.078)	741915	44.0512	8.810
	65 Styrene	104	8.365	8.363	(1.079)	580135	44.3266	8.865
	66 Bromoform	173	8.543	8.540	(1.102)	49981	33.0916	6.618
	67 Isopropylbenzene	105	8.696	8.706	(1.122)	895669	46.1459	9.229
	68 1,1,2,2-Tetrachloroethane	83	8.980	8.978	(0.900)	122610	43.5936	8.719
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

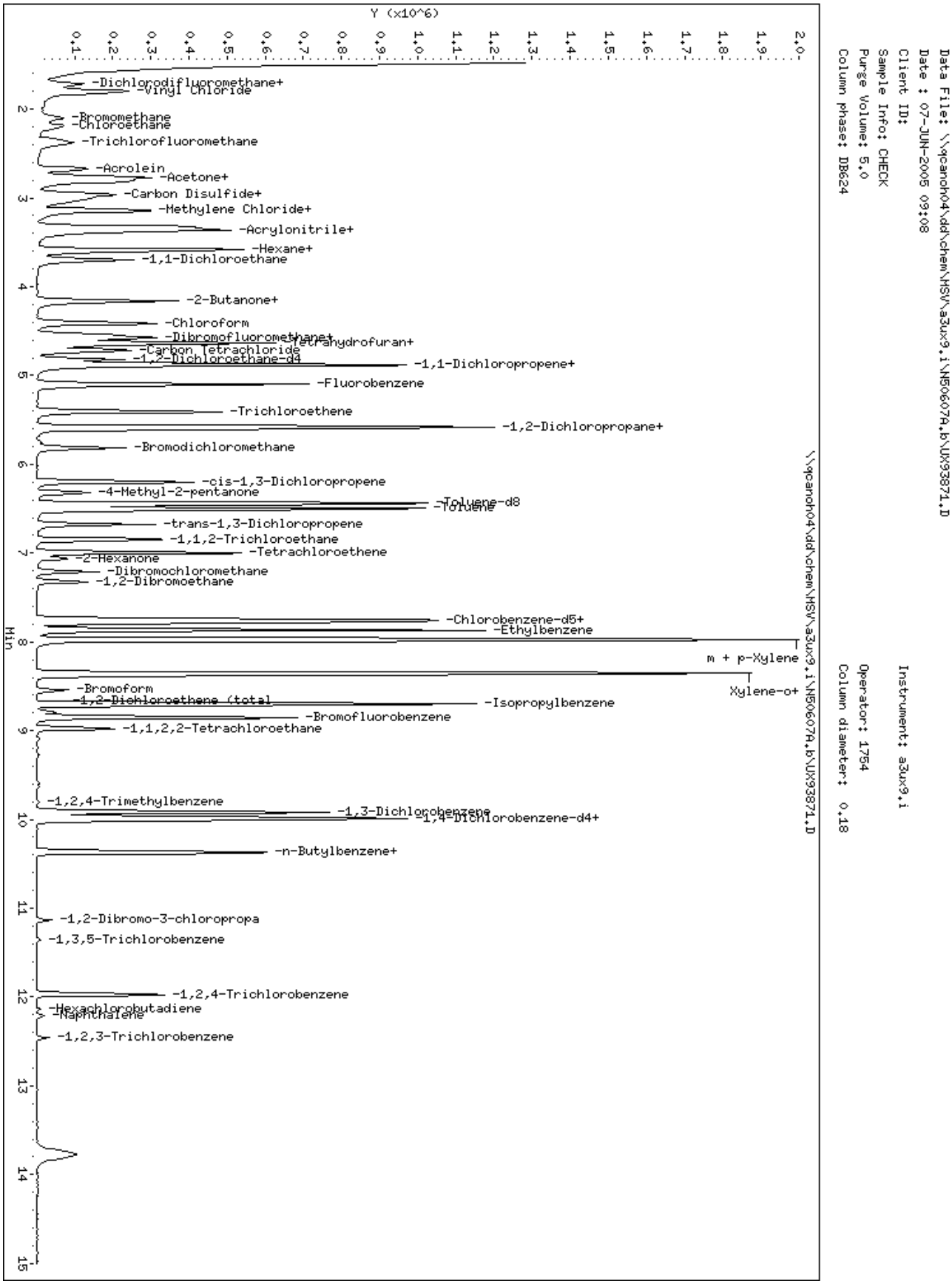
77	1,2,4-Trimethylbenzene	105	9.797	9.629 (0.982)	8460	0.53536	0.1071
78	sec-Butylbenzene	105	Compound Not Detected.				

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50607A.b\UX93871.D
Report Date: 07-Jun-2005 09:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.915	9.913	(0.994)	376345	44.3987	8.880
81 1,4-Dichlorobenzene	146	9.998	10.007	(1.002)	381429	44.3306	8.866
82 n-Butylbenzene	91	10.341	10.351	(1.037)	7565	0.55000	0.1100
83 1,2-Dichlorobenzene	146	10.377	10.374	(1.040)	328984	43.6637	8.733
84 1,2-Dibromo-3-chloropropane	157	11.134	11.143	(1.116)	10721	27.4612	5.492
85 1,2,4-Trichlorobenzene	180	11.974	11.972	(1.200)	135053	33.1350	6.627
86 Hexachlorobutadiene	225	12.140	12.137	(1.217)	2801	1.31670	0.2633
87 Naphthalene	128	12.211	12.208	(1.224)	19456	6.10785	1.222
88 1,2,3-Trichlorobenzene	180	12.459	12.457	(1.249)	14130	4.56875	0.9137
98 Cyclohexane	56	4.638	4.635	(0.910)	424754	43.9084	8.782
143 Methyl Acetate	43	3.052	3.050	(0.599)	108659	41.3039	8.261
144 Methylcyclohexane	83	5.584	5.582	(1.095)	318467	42.7452	8.549
141 1,3,5-Trichlorobenzene	180	11.359	11.356	(1.139)	4881	0.88785	0.1776

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 07-JUN-2005 09:08
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Tetrahydrofuran+
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-1,1-Dichloropropene+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-Bromodichloromethane
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-Ethylbenzene
m + p-Xylene
Xylene-o+
-Bromoform
-1,2-Dichloroethene (total
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,2,4-Trimethylbenzene
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux9.i\N50607A.b\UX93871.D

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50607A.b\UX93872.D
Report Date: 07-Jun-2005 09:45

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50607A.b\UX93872.D
Lab Smp Id: CHECK
Inj Date : 07-JUN-2005 09:30
Operator : 1754 Inst ID: a3ux9.i
Smp Info : CHECK
Misc Info : N50607A,8260MIUX9,2-8260.SUB,1754,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50607A.b\8260MIUX9.m
Meth Date : 07-Jun-2005 09:01 mcdaniels Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 4 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	744902	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.747	(1.000)	558138	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	245572	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	153589	50.2853	10.057
$ 5 1,2-Dichloroethane-d4	65	4.814	4.825	(0.944)	178596	51.2833	10.257
$ 6 Toluene-d8	98	6.446	6.446	(0.832)	792089	51.9533	10.391
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	288971	49.2674	9.853
8 Dichlorodifluoromethane	85	1.583	1.594	(0.311)	87010	33.9184	6.784
9 Chloromethane	50	1.713	1.724	(0.336)	271795	48.3565	9.671
10 Vinyl Chloride	62	1.808	1.807	(0.355)	222758	51.0624	10.212
11 Bromomethane	94	2.092	2.091	(0.410)	87772	55.2232	11.045
12 Chloroethane	64	2.187	2.186	(0.429)	117266	54.5467	10.909
13 Trichlorofluoromethane	101	2.376	2.387	(0.466)	179261	49.4407	9.888
15 Acrolein	56	2.672	2.671	(0.524)	223875	514.537	102.91(A)
16 Acetone	43	2.790	2.789	(0.547)	47264	30.2518	6.050
17 1,1-Dichloroethene	61	2.766	2.766	(0.543)	306530	52.9196	10.584
18 Freon-113	151	2.814	2.813	(0.552)	140263	55.2306	11.046
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.956	2.955	(0.580)	576821	50.1775	10.036
21 Methylene Chloride	84	3.145	3.144	(0.617)	204437	51.4080	10.282

22 Acetonitrile	41	3.003	3.014 (0.589)	196968	441.630	88.326(A)
23 Acrylonitrile	53	3.323	3.322 (0.652)	570869	492.122	98.424(A)

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50607A.b\UX93872.D
Report Date: 07-Jun-2005 09:45

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.358	3.357	(0.659)	110004	23.7230	4.745
	25 trans-1,2-Dichloroethene	61	3.370	3.369	(0.661)	319745	51.8988	10.380
	26 Hexane	57	3.583	3.582	(0.703)	381498	53.1975	10.640
	27 Vinyl acetate	43	3.583	3.724	(0.703)	269923	37.5232	7.505
	28 1,1-Dichloroethane	63	3.701	3.701	(0.726)	389010	52.8649	10.573
	29 tert-Butyl Alcohol	59	3.216	3.204	(0.631)	3195	23.6519	4.730
	30 2-Butanone	43	4.151	4.162	(0.814)	63161	35.3132	7.063
M	31 1,2-Dichloroethene (total)	61				624028	98.1652	19.633
	32 cis-1,2-dichloroethene	61	4.163	4.162	(0.817)	304283	46.2665	9.253
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.411	4.411	(0.865)	289888	50.3476	10.070
	36 Tetrahydrofuran	42	4.636	4.399	(0.909)	116683	123.893	24.778
	37 1,1,1-Trichloroethane	97	4.577	4.576	(0.898)	228166	47.6540	9.531
	38 1,1-Dichloropropene	75	4.873	4.706	(0.956)	14110	2.89023	0.5780
	39 Carbon Tetrachloride	117	4.719	4.718	(0.926)	186554	47.5100	9.502
	40 1,2-Dichloroethane	62	4.885	4.884	(0.958)	242979	50.9459	10.189
	41 Benzene	78	4.873	4.884	(0.956)	861916	52.0275	10.405
	42 Trichloroethene	130	5.405	5.404	(1.060)	210376	51.8046	10.361
	43 1,2-Dichloropropane	63	5.594	5.594	(1.097)	239900	53.2975	10.660
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.819	5.819	(1.142)	194527	47.0335	9.407
	48 cis-1,3-Dichloropropene	75	6.198	6.197	(1.216)	270987	48.2655	9.653
	49 4-Methyl-2-pentanone	43	6.316	6.316	(1.239)	137759	42.0605	8.412
	50 Toluene	91	6.506	6.505	(0.840)	952576	50.9143	10.183
	51 trans-1,3-Dichloropropene	75	6.683	6.682	(0.863)	196683	45.5095	9.102
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.849	6.848	(0.884)	138770	49.0395	9.808
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.003	7.002	(0.904)	168725	50.0787	10.016
	56 2-Hexanone	43	7.062	7.061	(0.911)	89415	35.7944	7.159
	57 Dibromochloromethane	129	7.216	7.215	(0.931)	116645	44.3140	8.863
	58 1,2-Dibromoethane	107	7.322	7.321	(0.945)	123678	48.9933	9.799
	59 Chlorobenzene	112	7.772	7.771	(1.003)	618515	50.6441	10.129
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	7.866	7.866	(1.015)	1067393	50.4286	10.086
	62 m + p-Xylene	91	7.973	7.972	(1.029)	1650334	100.044	20.009
M	63 Xylenes (total)	91				2465320	148.755	29.751
	64 Xylene-o	91	8.352	8.351	(1.078)	814986	48.7104	9.742
	65 Styrene	104	8.363	8.363	(1.079)	650674	50.0456	10.009
	66 Bromoform	173	8.541	8.540	(1.102)	56994	37.4145	7.483
	67 Isopropylbenzene	105	8.695	8.706	(1.122)	995560	51.6322	10.326
	68 1,1,2,2-Tetrachloroethane	83	8.979	8.978	(0.899)	137433	47.6871	9.537
	69 1,4-Dichloro-2-butene	53	8.789	9.025	(0.880)	915	1.38861	0.2777
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

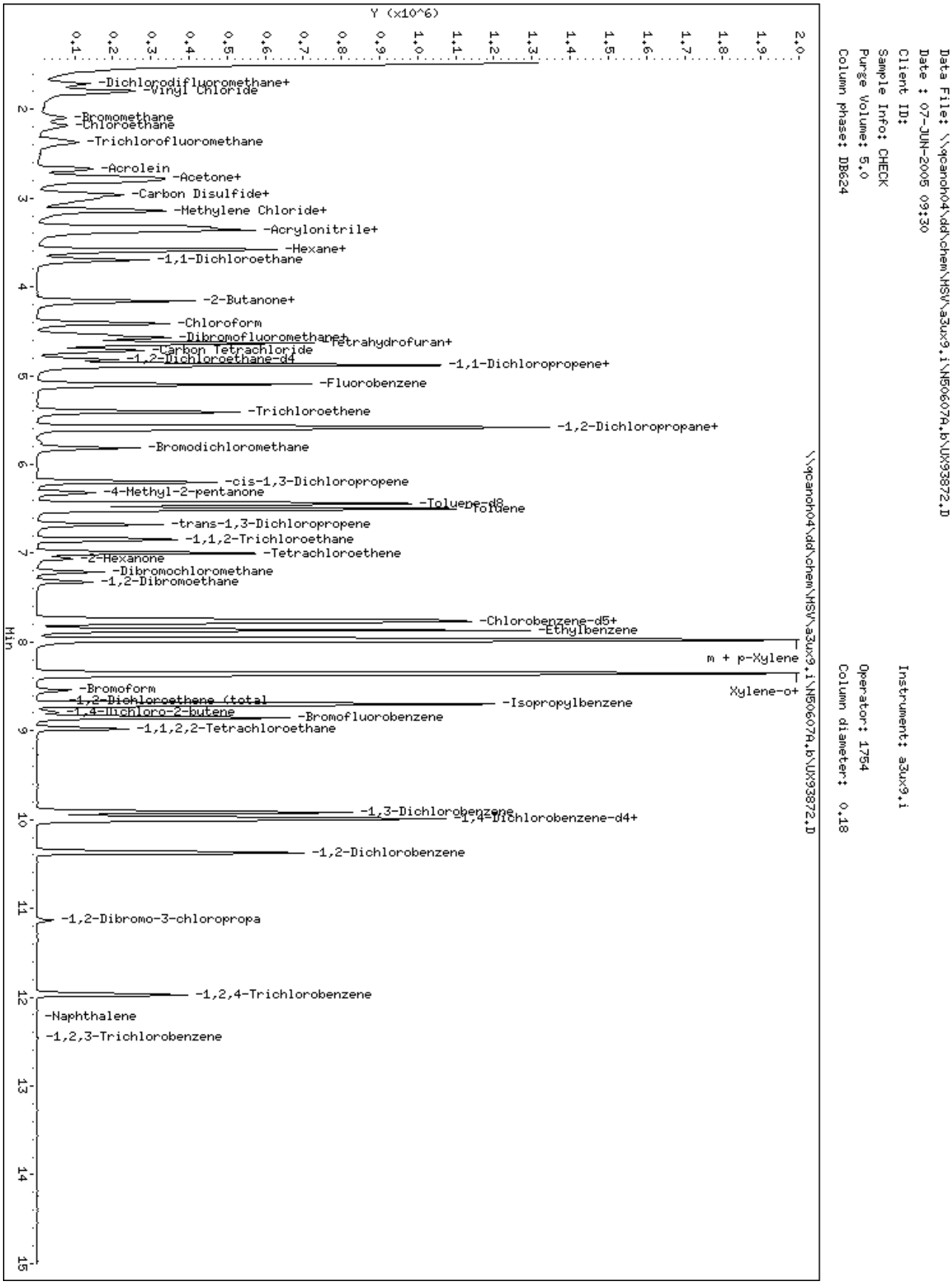
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50607A.b\UX93872.D
Report Date: 07-Jun-2005 09:45

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.913	9.913	(0.993)	419321	48.2774	9.655
81 1,4-Dichlorobenzene	146	10.008	10.007	(1.002)	426683	48.3958	9.679
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.375	10.374	(1.039)	361894	46.8749	9.375
84 1,2-Dibromo-3-chloropropane	157	11.132	11.143	(1.115)	12255	30.4056	6.081
85 1,2,4-Trichlorobenzene	180	11.972	11.972	(1.199)	150941	36.1413	7.228
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	12.221	12.208	(1.224)	1591	3.81676	0.7634
88 1,2,3-Trichlorobenzene	180	12.458	12.457	(1.248)	1676	0.52886	0.1058
98 Cyclohexane	56	4.636	4.635	(0.909)	476165	49.4697	9.894
143 Methyl Acetate	43	3.050	3.050	(0.598)	115325	44.0575	8.812
144 Methylcyclohexane	83	5.583	5.582	(1.095)	363678	49.0582	9.812
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 07-JUN-2005 09:30
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Tetrahydrofuran+
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-1,1-Dichloropropene+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-Bromodichloromethane
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-Ethylbenzene
m + p-Xylene
Xylene-o+
-Bromoform
-1,2-Dichloroethene (total
-Isopropylbenzene
-1,4-Dichloro-2-butene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux9.i\N50607A.b\UX93872.D

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5E260235 **Work Order #...:** HCQJA1AA **Matrix.....:** WATER
MB Lot-Sample #: A5F020000-163

Prep Date.....: 06/01/05 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 06/01/05 **Prep Batch #...:** 5153163
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Cyclohexane	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
Methyl acetate	ND	10	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methylcyclohexane	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5E260235 **Work Order #...:** HCQJA1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,4-Trichloro-benzene	**0.80 J**	**1.0**	**ug/L**	**SW846 8260B**
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(73 - 122)
1,2-Dichloroethane-d4	104	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	81	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8673.D
Report Date: 02-Jun-2005 08:25

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8673.D
Lab Smp Id: VBLK
Inj Date : 01-JUN-2005 23:54
Operator : 1904 Inst ID: a3ux10.i
Smp Info : VBLK,5ML/5ML
Misc Info : P50601B,8260LLUX10,,1904,3,,BLANK,,0
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\8260LLUX10.m
Meth Date : 02-Jun-2005 08:07 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.006	4.998	(1.000)	1053081	50.0000	
* 2 Chlorobenzene-d5	117	7.657	7.660	(1.000)	756902	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.893	9.885	(1.000)	311851	50.0000	
$ 4 Dibromofluoromethane	113	4.438	4.442	(0.887)	233875	54.4020	10.880
$ 5 1,2-Dichloroethane-d4	65	4.722	4.726	(0.943)	272776	51.9613	10.392
$ 6 Toluene-d8	98	6.355	6.359	(0.830)	731271	49.6801	9.936
$ 7 Bromofluorobenzene	95	8.757	8.761	(1.144)	216044	40.3538	8.071
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					
22 Acetonitrile	41	Compound Not Detected.					

23	Acrylonitrile	53	Compound Not Detected.
24	Methyl tert-butyl ether	73	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8673.D
Report Date: 02-Jun-2005 08:25

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

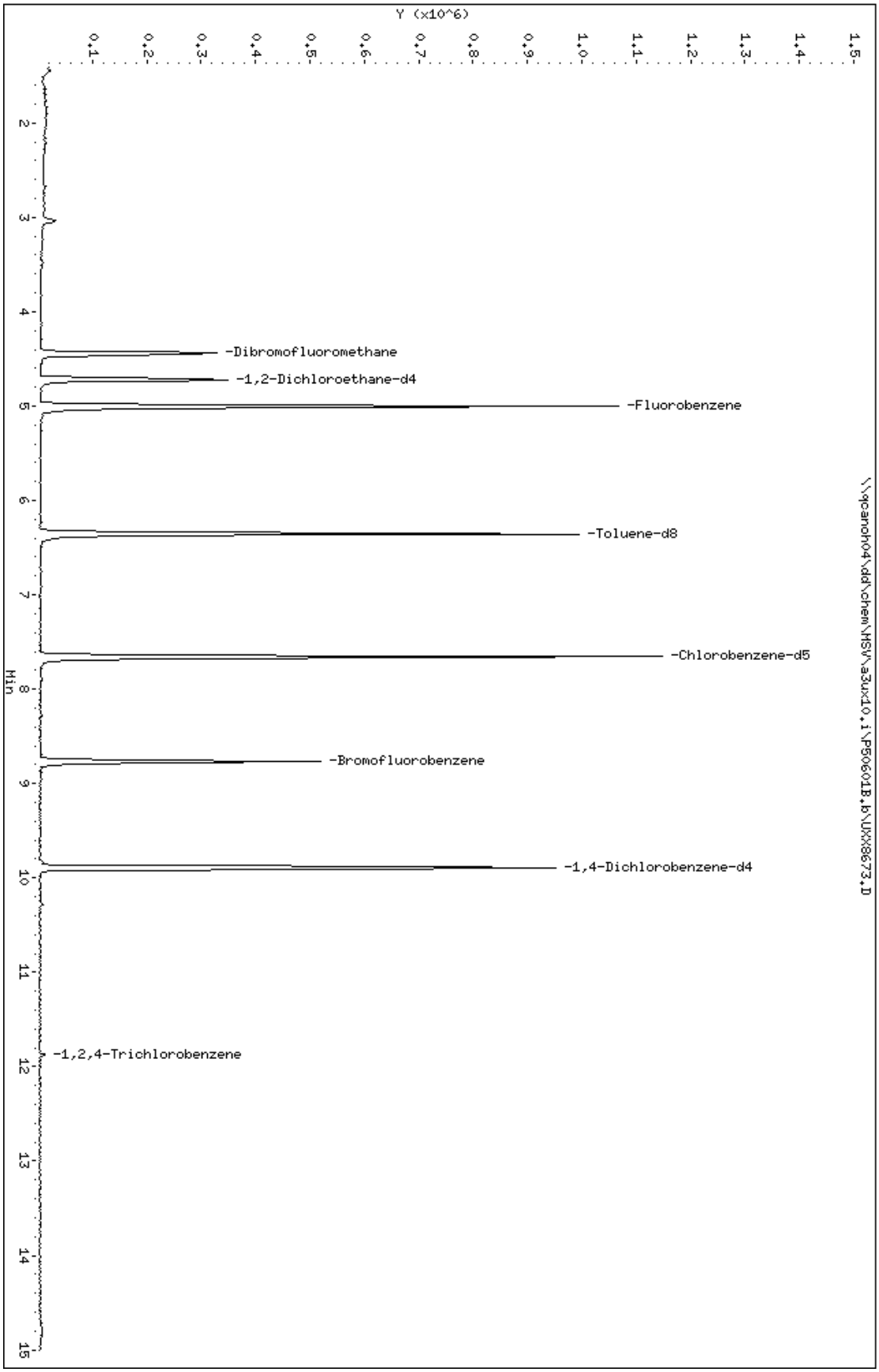
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8673.D
Report Date: 02-Jun-2005 08:25

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.881	11.873	(1.201)	4957	4.00563	0.8011
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8673.D
Date : 01-JUN-2005 23:54
Client ID:
Sample Info: VBLK,5ML/5ML
Purge Volume: 5.0
Column Phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8673.D

Date : 01-JUN-2005 23:54

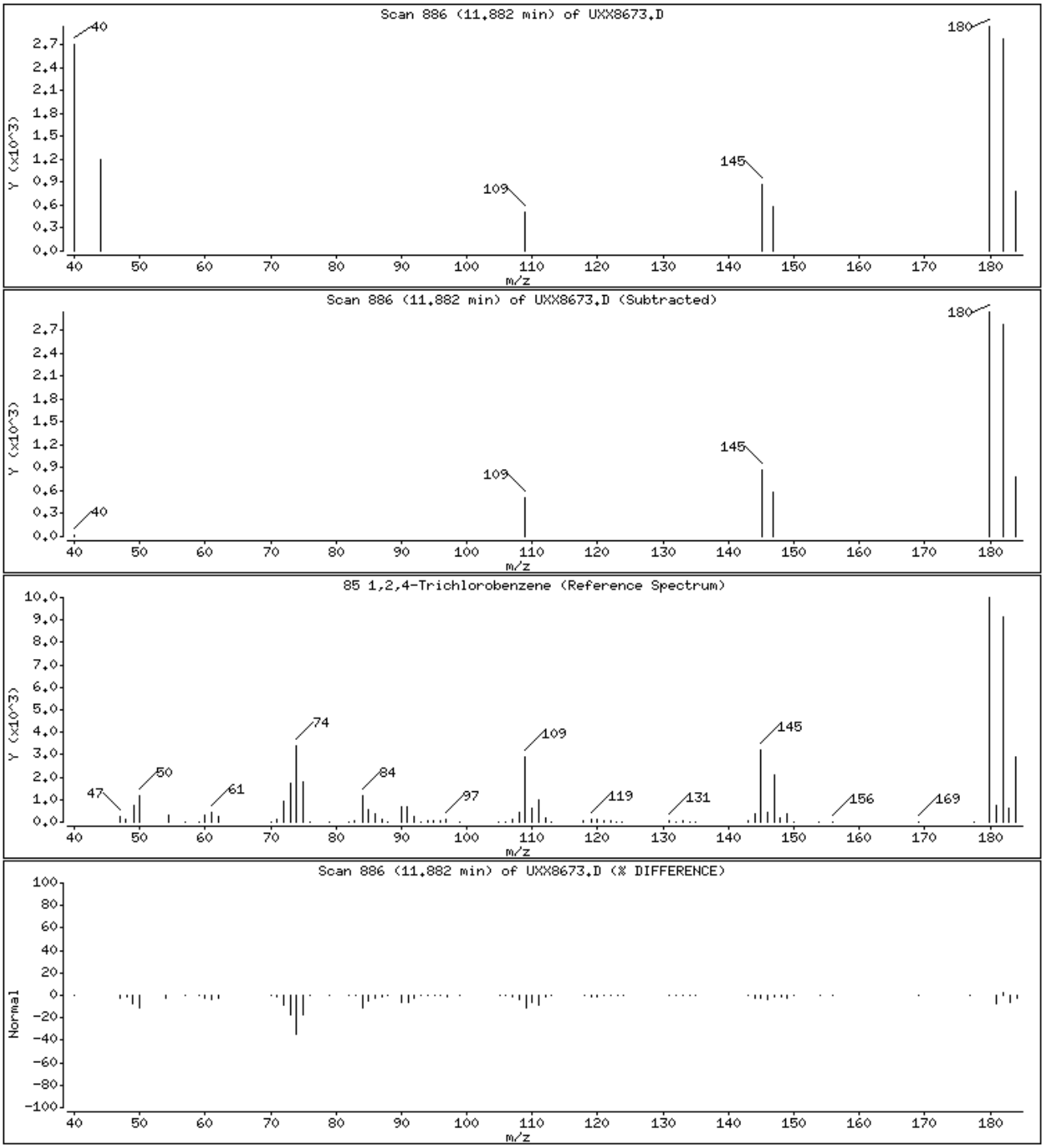
Client ID: Instrument: a3ux10.i

Sample Info: VBLK,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

85 1,2,4-Trichlorobenzene Concentration: 0.8011 ug/L



METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5E260235 **Work Order #...:** HC1V51AA **Matrix.....:** WATER
MB Lot-Sample #: A5F060000-292

Prep Date.....: 06/03/05 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 06/03/05 **Prep Batch #...:** 5157292
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Cyclohexane	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
Methyl acetate	ND	10	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methylcyclohexane	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5E260235 **Work Order #...:** HC1V51AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,4-Trichloro-benzene	**0.80 J**	**1.0**	**ug/L**	**SW846 8260B**
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(73 - 122)
1,2-Dichloroethane-d4	107	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	86	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8784.D
Report Date: 06-Jun-2005 08:25

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8784.D
Lab Smp Id: VBLK
Inj Date : 03-JUN-2005 23:46
Operator : 1904 Inst ID: a3ux10.i
Smp Info : VBLK,5ML/5ML
Misc Info : P50603B,8260LLUX10,,1904,3,,BLANK,,0
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\8260LLUX10.m
Meth Date : 06-Jun-2005 08:23 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 35 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.006	5.007	(1.000)	1059777	50.0000	
* 2 Chlorobenzene-d5	117	7.657	7.658	(1.000)	807703	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.893	9.894	(1.000)	322635	50.0000	
$ 4 Dibromofluoromethane	113	4.438	4.439	(0.887)	241821	55.8950	11.179
$ 5 1,2-Dichloroethane-d4	65	4.722	4.723	(0.943)	281880	53.3563	10.671
$ 6 Toluene-d8	98	6.355	6.356	(0.830)	786655	50.0814	10.016
$ 7 Bromofluorobenzene	95	8.769	8.758	(1.145)	245978	43.0553	8.611
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8784.D
Report Date: 06-Jun-2005 08:25

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

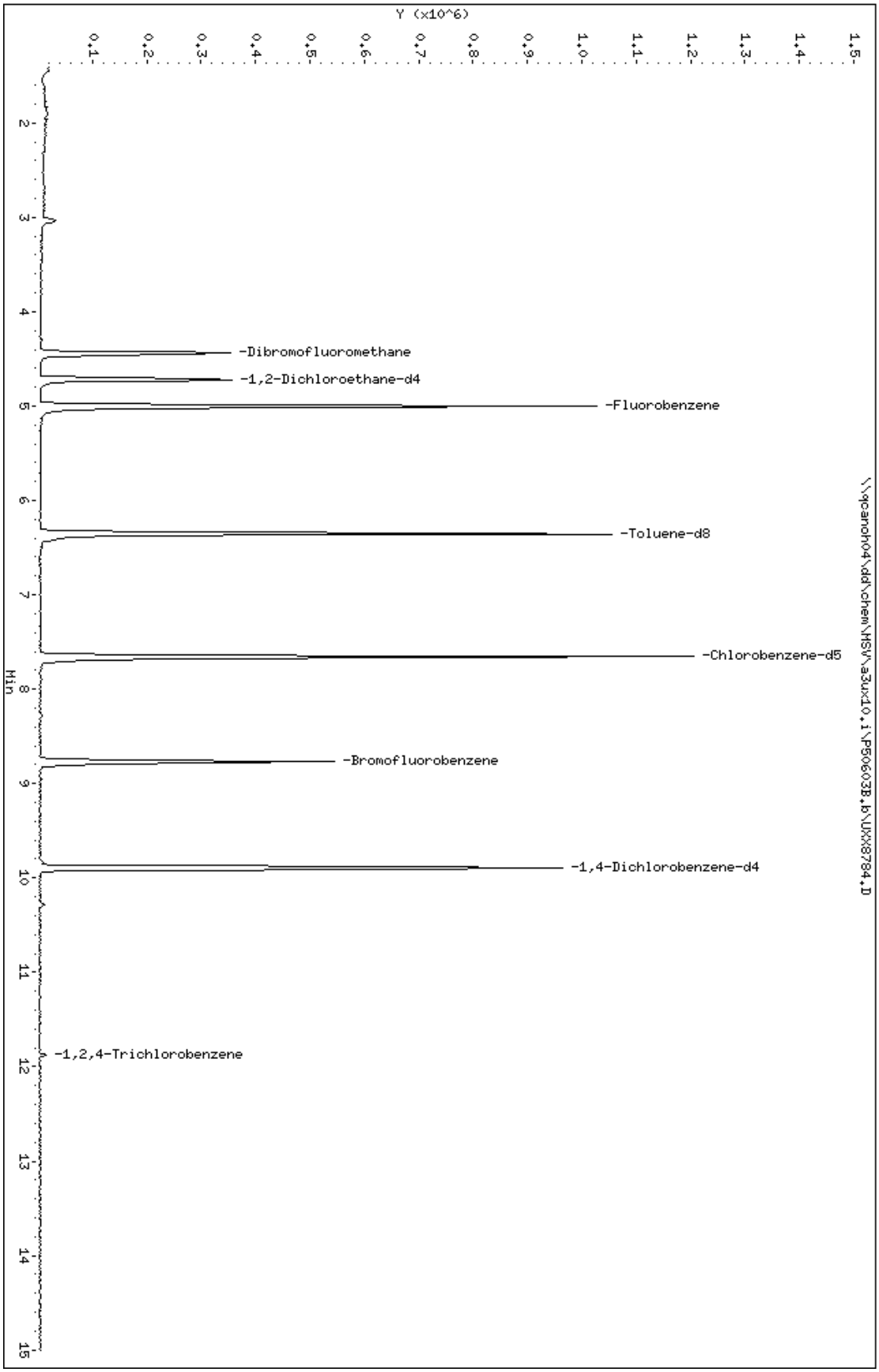
76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8784.D
Report Date: 06-Jun-2005 08:25

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.881	11.882	(1.201)	5123	4.00432	0.8009
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50603B.b\UXX8784.D
Date : 03-JUN-2005 23:46
Client ID: HC1V5-BLK
Sample Info: VBLK,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



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Date : 03-JUN-2005 23:46

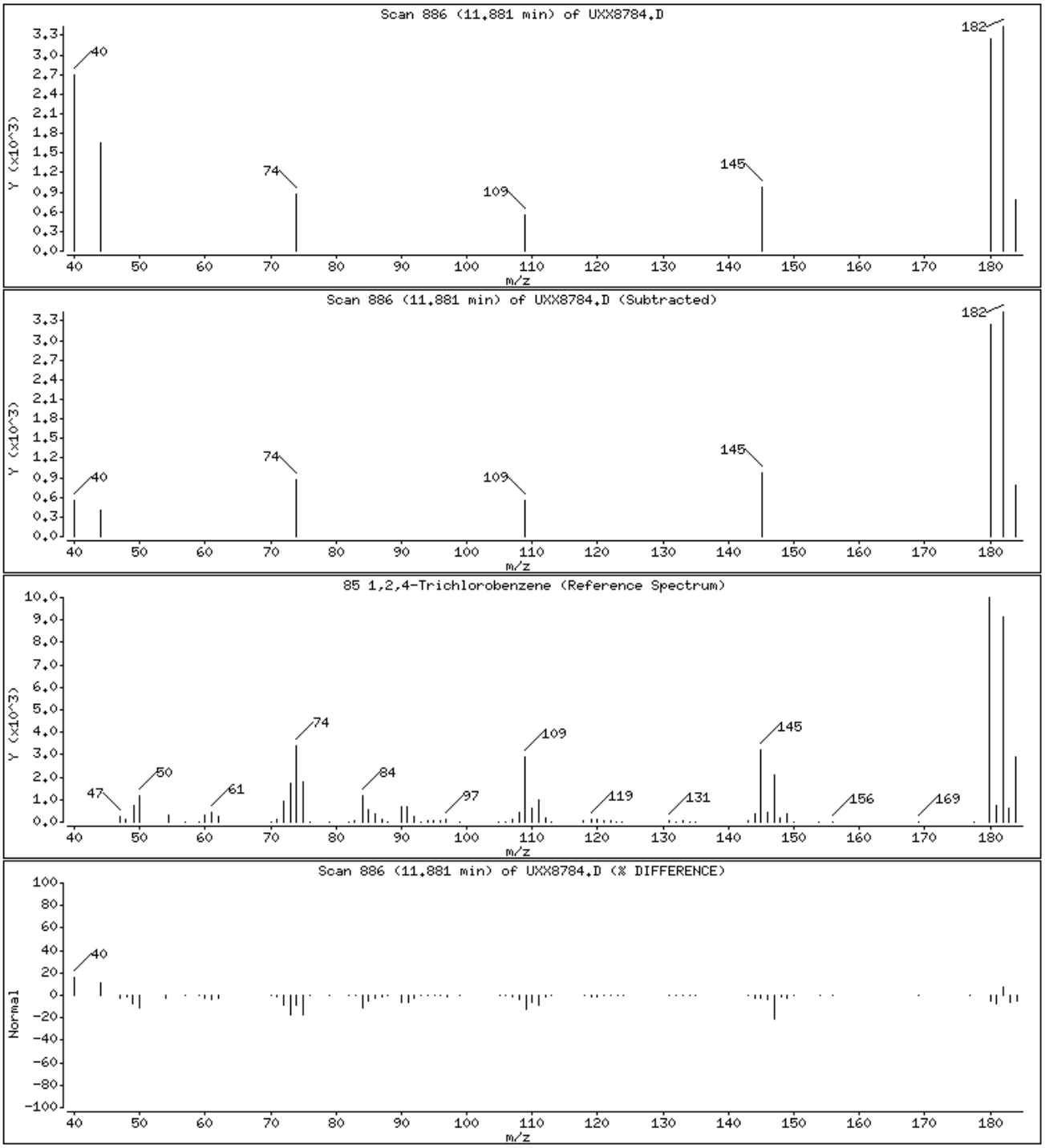
Client ID: HC1V5-BLK | Instrument: a3ux10.i

Sample Info: VBLK,5ML/5ML

Purge Volume: 5.0 | Operator: 1904

Column phase: DB624 | Column diameter: 0.18

85 1,2,4-Trichlorobenzene | Concentration: 0.8009 ug/L



METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5E260235 **Work Order #...:** HC2VN1AA **Matrix.....:** WATER
MB Lot-Sample #: A5F070000-057

Prep Date.....: 06/06/05 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 06/06/05 **Prep Batch #...:** 5158057
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Cyclohexane	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
Methyl acetate	ND	10	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methylcyclohexane	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5E260235 **Work Order #...:** HC2VN1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,4-Trichloro-benzene	**0.40 J**	**1.0**	**ug/L**	**SW846 8260B**
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(73 - 122)
1,2-Dichloroethane-d4	94	(61 - 128)
Toluene-d8	93	(76 - 110)
4-Bromofluorobenzene	87	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50606A.b\UX93819.D
Report Date: 06-Jun-2005 09:51

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50606A.b\UX93819.D
Lab Smp Id: VBLK
Inj Date : 06-JUN-2005 09:32
Operator : 1754 Inst ID: a3ux9.i
Smp Info : VBLK,5ML/5ML
Misc Info : N50606A,8260MIUX9,,1754
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50606A.b\8260MIUX9.m
Meth Date : 06-Jun-2005 08:41 mcdaniels Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	826098	50.0000	
* 2 Chlorobenzene-d5	117	7.747	7.748	(1.000)	606826	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	248389	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	154810	45.7033	9.141
$ 5 1,2-Dichloroethane-d4	65	4.825	4.813	(0.947)	181435	46.9778	9.396
$ 6 Toluene-d8	98	6.446	6.446	(0.832)	772370	46.5952	9.319
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	277741	43.5535	8.711
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50606A.b\UX93819.D
Report Date: 06-Jun-2005 09:51

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	3.582	3.583	(0.703)	5382	0.67672	0.1353
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

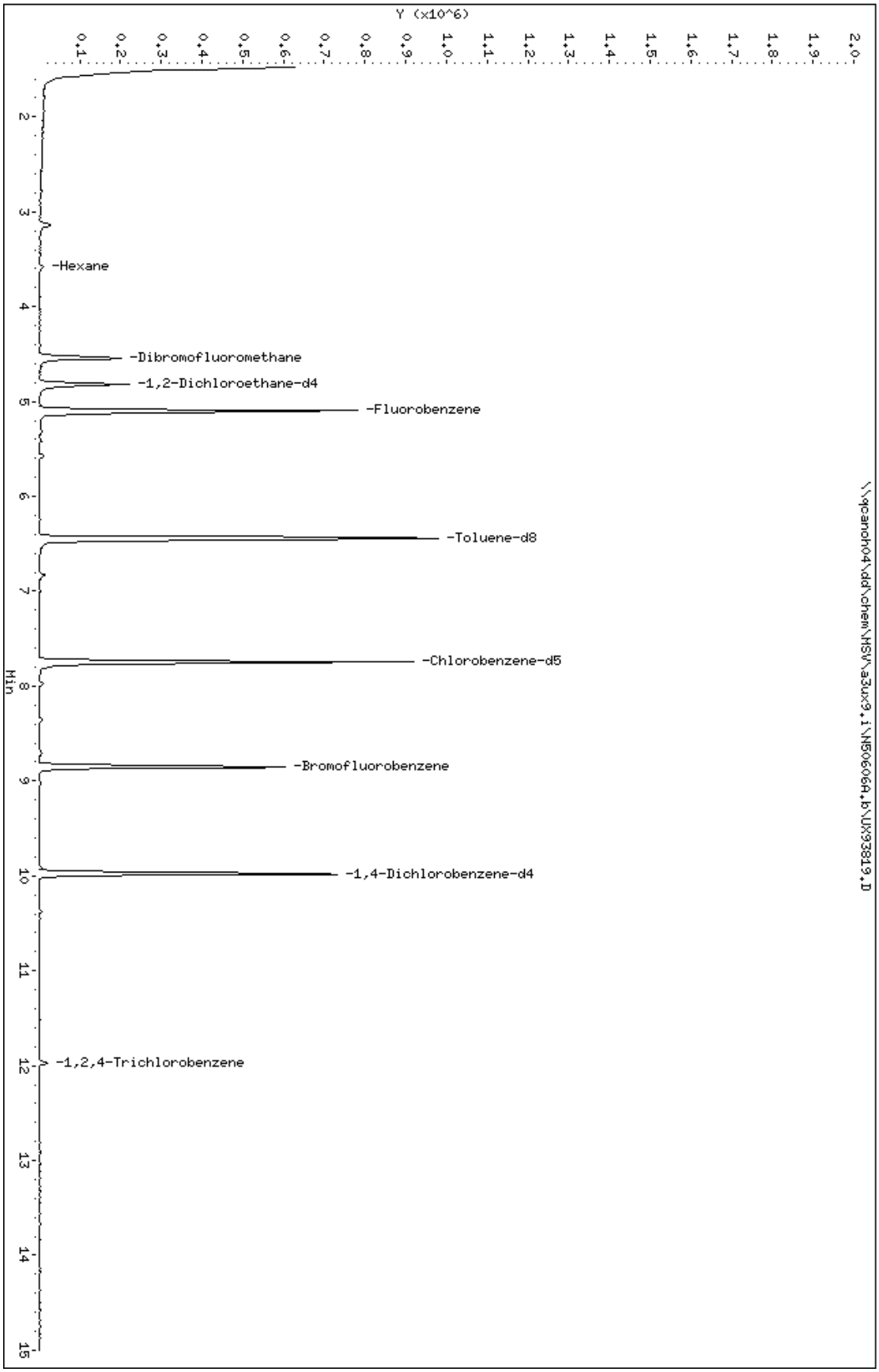
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50606A.b\UX93819.D
Report Date: 06-Jun-2005 09:51

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.972	11.972	(1.199)	8395	1.98730	0.3974
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50606A.b\UX93819.D
Date : 06-JUN-2005 09:32
Client ID:
Sample Info: VBLK,5ML/5ML
Purge Volume: 5.0
Column Phase: DB624

Instrument: a3ux9.i
Operator: 1754
Column diameter: 0.18



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Date : 06-JUN-2005 09:32

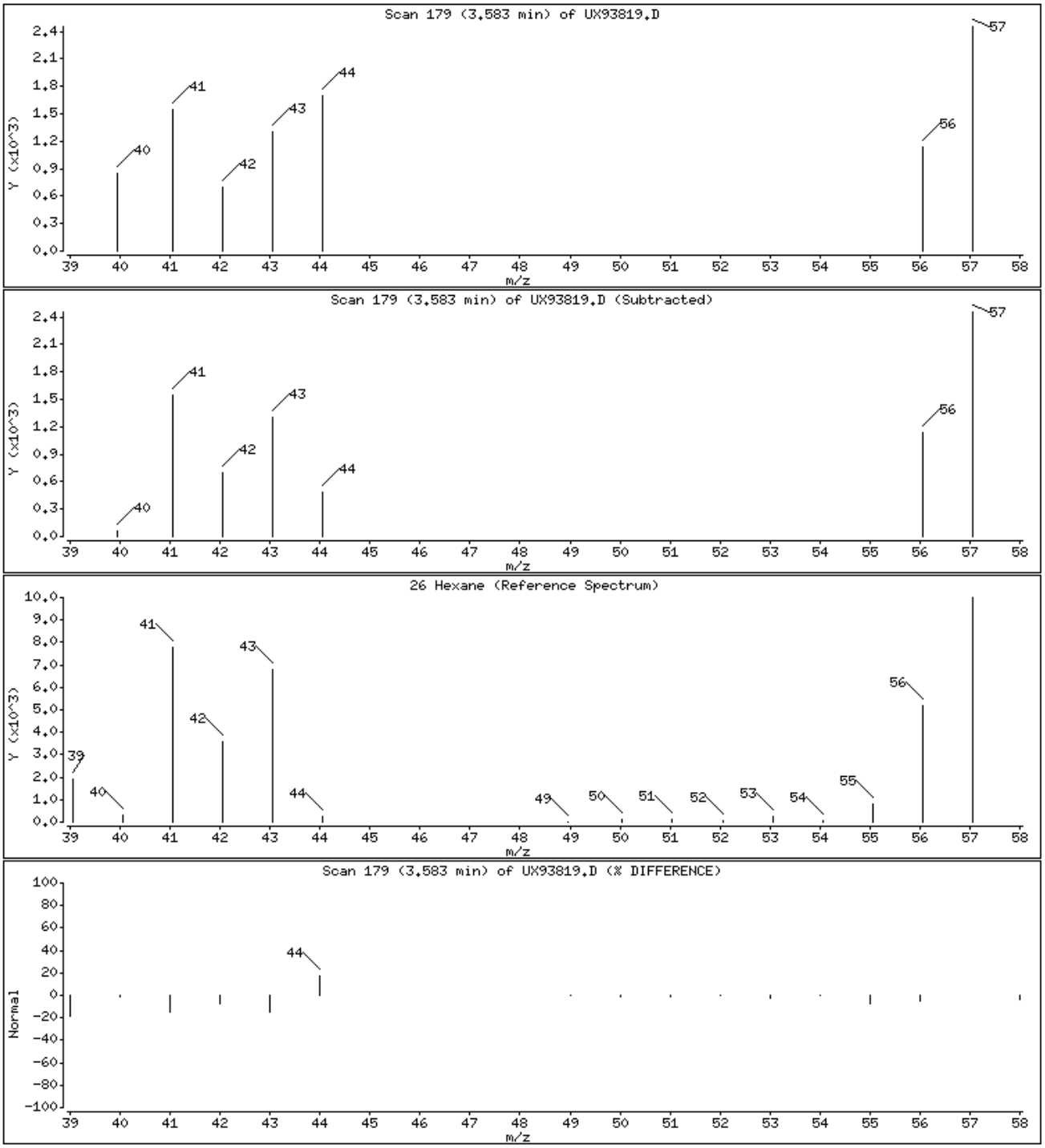
Client ID: Instrument: a3ux9.i

Sample Info: VBLK,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 Column diameter: 0.18

26 Hexane Concentration: 0.1353 ug/L



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Date : 06-JUN-2005 09:32

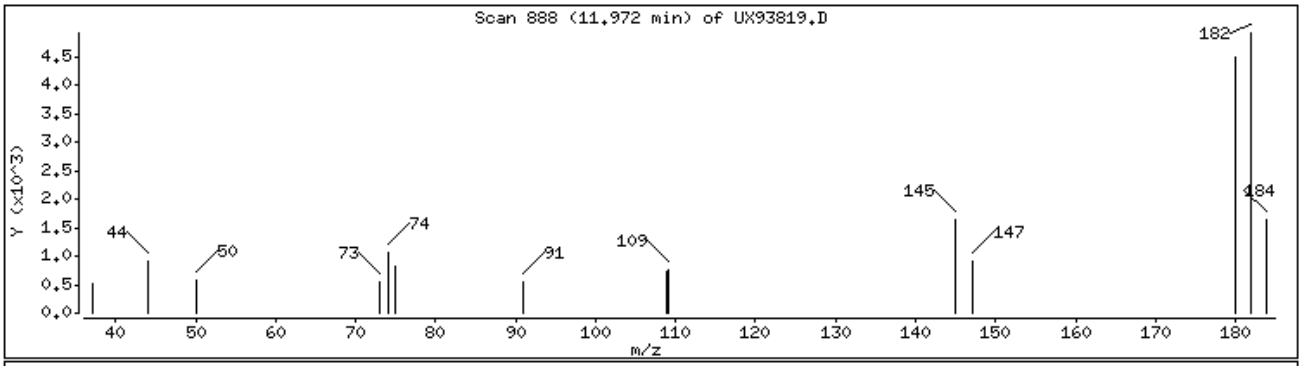
Client ID: Instrument: a3ux9.i

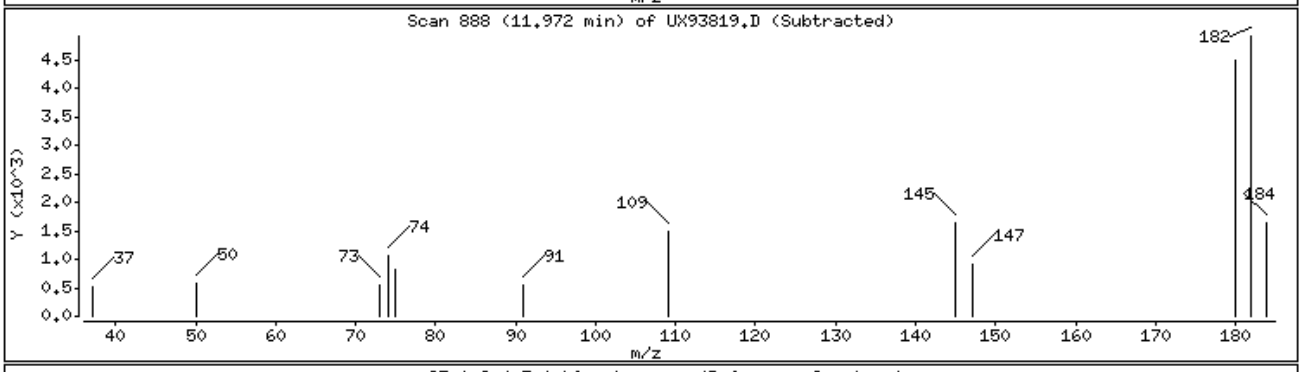
Sample Info: VBLK,5ML/5ML

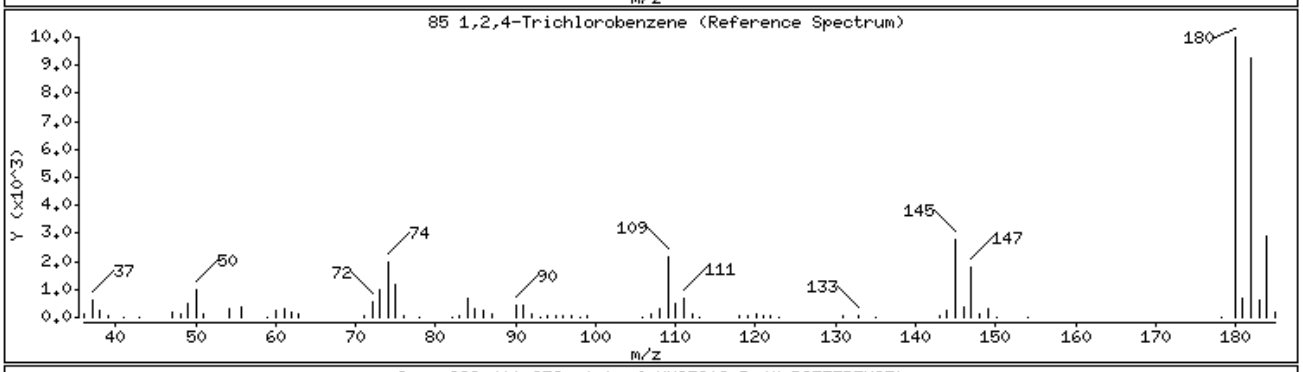
Purge Volume: 5.0 Operator: 1754

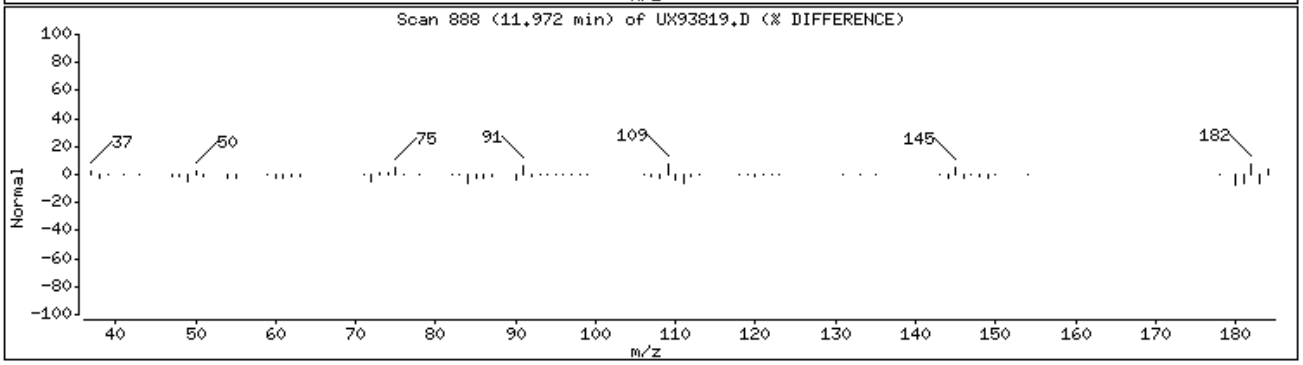
Column phase: DB624 Column diameter: 0.18

85 1,2,4-Trichlorobenzene Concentration: 0.3974 ug/L









METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5E260235 **Work Order #...:** HC5JW1AA **Matrix.....:** WATER
MB Lot-Sample #: A5F080000-092

Prep Date.....: 06/07/05 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 06/07/05 **Prep Batch #...:** 5159092
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Cyclohexane	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
Methyl acetate	ND	10	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methylcyclohexane	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5E260235 **Work Order #...:** HC5JW1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,4-Trichloro-benzene	**0.34 J**	**1.0**	**ug/L**	**SW846 8260B**
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(73 - 122)
1,2-Dichloroethane-d4	88	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	85	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50607A.b\UX93873.D
Report Date: 07-Jun-2005 10:22

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50607A.b\UX93873.D
Lab Smp Id: BLANK
Inj Date : 07-JUN-2005 09:52
Operator : 1754 Inst ID: a3ux9.i
Smp Info : BLANK
Misc Info : N50607A,8260MIUX9,,1754,3,,BLANK,,0
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50607A.b\8260MIUX9.m
Meth Date : 07-Jun-2005 09:01 mcdaniels Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.098	5.097	(1.000)	743661	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.747	(1.000)	538965	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.985	9.984	(1.000)	212603	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	139596	45.7802	9.156
$ 5 1,2-Dichloroethane-d4	65	4.814	4.825	(0.944)	153208	44.0666	8.813
$ 6 Toluene-d8	98	6.447	6.446	(0.832)	719860	48.8954	9.779
$ 7 Bromofluorobenzene	95	8.849	8.848	(1.142)	241633	42.6622	8.532
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50607A.b\UX93873.D
Report Date: 07-Jun-2005 10:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

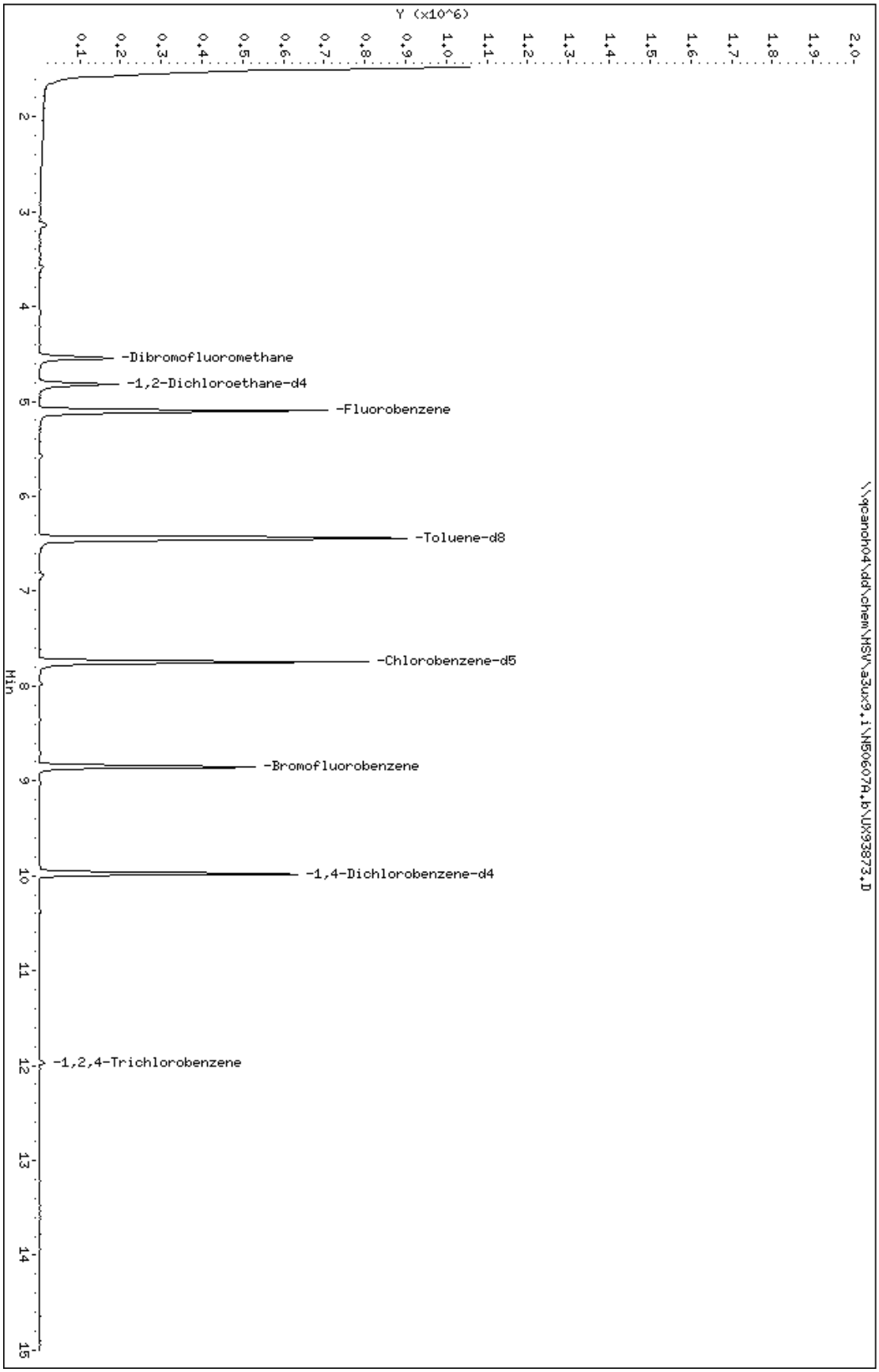
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50607A.b\UX93873.D
Report Date: 07-Jun-2005 10:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.972	11.972	(1.199)	6104	1.68819	0.3376
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50607A.b\UX93873.D
Date : 07-JUN-2005 09:52
Client ID:
Sample Info: BLANK
Purge Volume: 5.0
Column Phase: DB624

Instrument: a3ux9.i
Operator: 1754
Column diameter: 0.18



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Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50607A.b\UX93873.D

Date : 07-JUN-2005 09:52

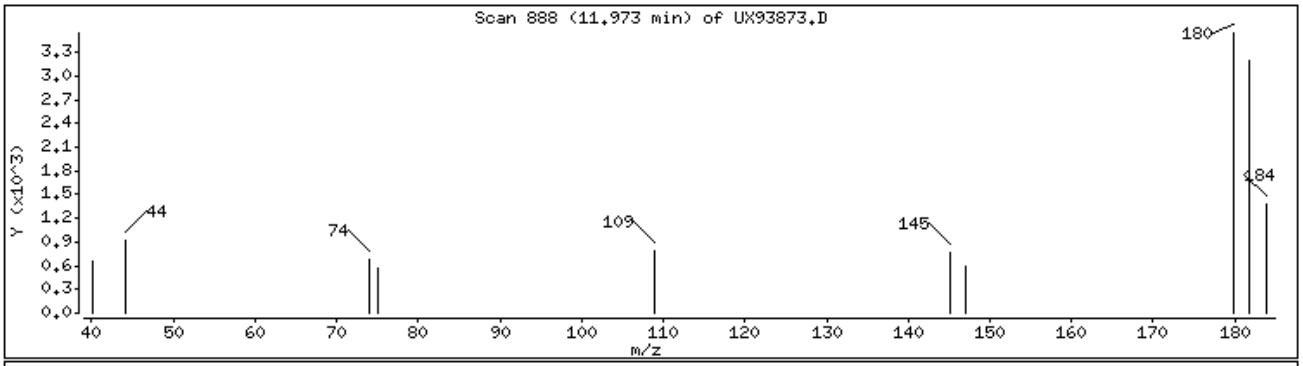
Client ID: Instrument: a3ux9.i

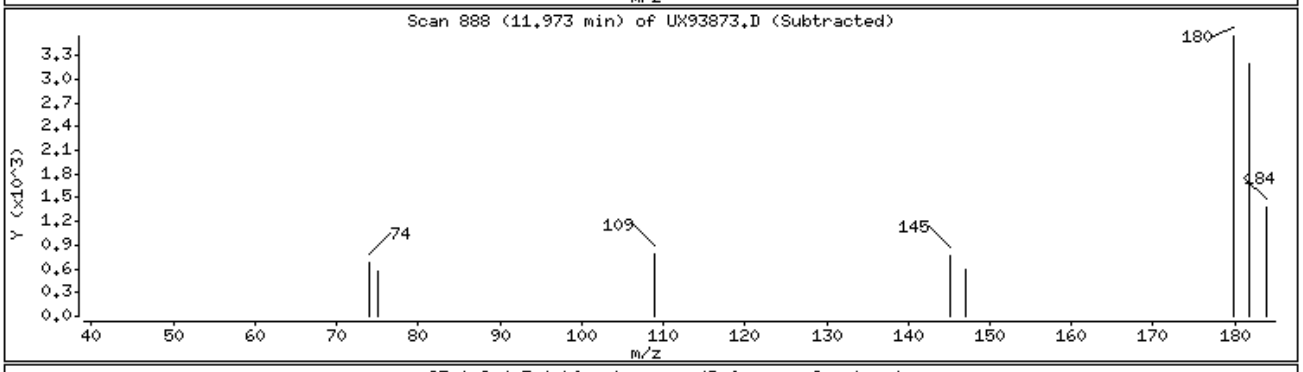
Sample Info: BLANK

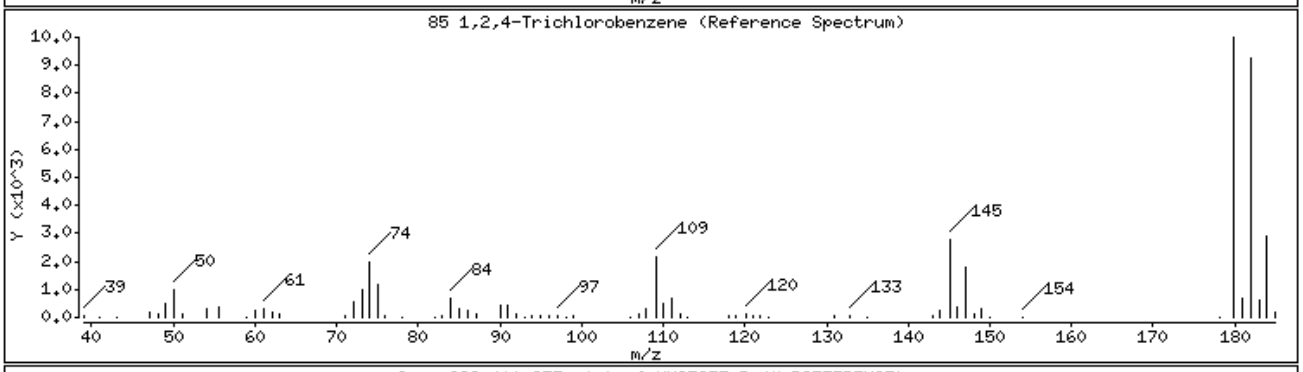
Purge Volume: 5.0 Operator: 1754

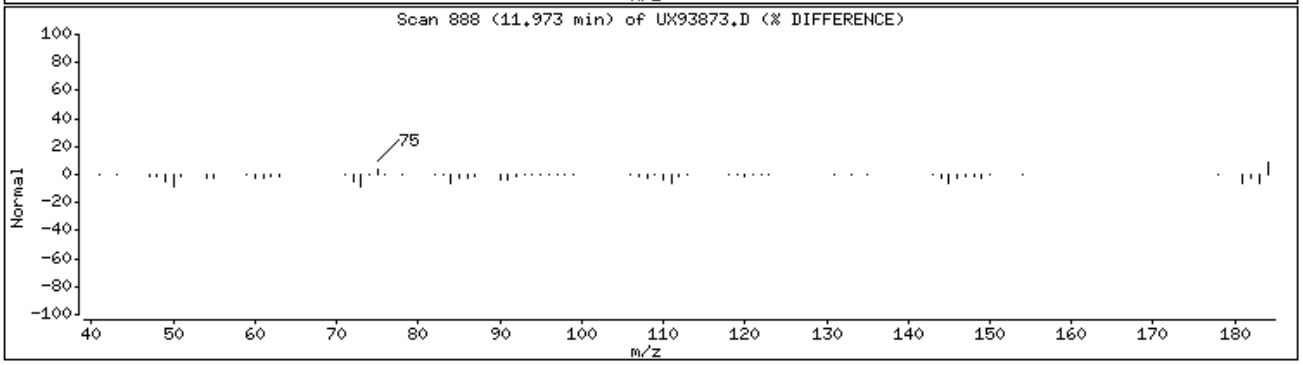
Column phase: DB624 Column diameter: 0.18

85 1,2,4-Trichlorobenzene Concentration: 0.3376 ug/L









MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A5E260235 **Work Order #...:** HCDWW1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A5E260235-008 HCDWW1AD-MSD
Date Sampled...: 05/24/05 09:50 **Date Received..:** 05/26/05
Prep Date.....: 06/02/05 **Analysis Date..:** 06/02/05
Prep Batch #...: 5153163
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**104**	**(78 - 118)**			**SW846 8260B**
	104	**(78 - 118)**	**0.59**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**101**	**(76 - 117)**			**SW846 8260B**
	102	**(76 - 117)**	**1.6**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**107**	**(62 - 130)**			**SW846 8260B**
	108	**(62 - 130)**	**0.35**	**(0-20)**	**SW846 8260B**
Toluene	**109**	**(70 - 119)**			**SW846 8260B**
	110	**(70 - 119)**	**0.43**	**(0-20)**	**SW846 8260B**
Trichloroethene	**99**	**(62 - 130)**			**SW846 8260B**
	100	**(62 - 130)**	**1.4**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(73 - 122)
	104	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
	107	(61 - 128)
Toluene-d8	111 *	(76 - 110)
	109	(76 - 110)
4-Bromofluorobenzene	116	(74 - 116)
	116	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A5E260235 **Work Order #...:** HCDWW1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A5E260235-008 HCDWW1AD-MSD
Date Sampled...: 05/24/05 09:50 **Date Received..:** 05/26/05
Prep Date.....: 06/02/05 **Analysis Date..:** 06/02/05
Prep Batch #...: 5153163
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**10**	**10**	**ug/L**	**104**		**SW846 8260B**
	ND	**10**	**10**	**ug/L**	**104**	**0.59**	**SW846 8260B**
Chlorobenzene	**ND**	**10**	**10**	**ug/L**	**101**		**SW846 8260B**
	ND	**10**	**10**	**ug/L**	**102**	**1.6**	**SW846 8260B**
1,1-Dichloroethene	**ND**	**10**	**11**	**ug/L**	**107**		**SW846 8260B**
	ND	**10**	**11**	**ug/L**	**108**	**0.35**	**SW846 8260B**
Toluene	**ND**	**10**	**11**	**ug/L**	**109**		**SW846 8260B**
	ND	**10**	**11**	**ug/L**	**110**	**0.43**	**SW846 8260B**
Trichloroethene	**ND**	**10**	**9.9**	**ug/L**	**99**		**SW846 8260B**
	ND	**10**	**10**	**ug/L**	**100**	**1.4**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(73 - 122)
	104	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
	107	(61 - 128)
Toluene-d8	111 *	(76 - 110)
	109	(76 - 110)
4-Bromofluorobenzene	116	(74 - 116)
	116	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8689.D
Report Date: 02-Jun-2005 08:12

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8689.D
Lab Smp Id: HCDWW1AC Client Smp ID: GW-052305-JK-008
Inj Date : 02-JUN-2005 06:35
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HCDWW1AC,5ML/5ML
Misc Info : P50601B,8260LLUX10,1-8260GM.SUB,1904,3,,MS
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\8260LLUX10.m
Meth Date : 02-Jun-2005 08:07 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 21 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	4.997	4.998	(1.000)	1052147	50.0000	
* 2 Chlorobenzene-d5	117	7.659	7.660	(1.000)	779286	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.896	9.885	(1.000)	370318	50.0000	
$ 4 Dibromofluoromethane	113	4.441	4.442	(0.889)	224812	52.3403	10.468
$ 5 1,2-Dichloroethane-d4	65	4.713	4.726	(0.943)	266776	50.8635	10.173
$ 6 Toluene-d8	98	6.358	6.359	(0.830)	841512	55.5274	11.105(R)
$ 7 Bromofluorobenzene	95	8.760	8.761	(1.144)	318859	57.8474	11.569
8 Dichlorodifluoromethane	85	1.471	1.484	(0.294)	124333	40.3888	8.078
9 Chloromethane	50	1.613	1.614	(0.323)	297345	49.7981	9.960
10 Vinyl Chloride	62	1.707	1.709	(0.342)	269996	50.5877	10.118
11 Bromomethane	94	1.968	1.969	(0.394)	103019	36.6839	7.337
12 Chloroethane	64	2.051	2.052	(0.410)	172299	50.8187	10.164
13 Trichlorofluoromethane	101	2.240	2.241	(0.448)	347880	52.0650	10.413
16 Acetone	43	2.678	2.679	(0.536)	72440	25.5695	5.114
17 1,1-Dichloroethene	96	2.654	2.655	(0.531)	197921	53.6067	10.721
18 Freon-113	151	2.654	2.655	(0.531)	163376	57.2527	11.450
20 Carbon Disulfide	76	2.843	2.845	(0.569)	624787	50.1511	10.030
21 Methylene Chloride	84	3.045	3.034	(0.609)	247004	45.1359	9.027
24 Methyl tert-butyl ether	73	3.258	3.259	(0.652)	527268	53.7201	10.744
25 trans-1,2-Dichloroethene	96	3.258	3.259	(0.652)	235050	51.4411	10.288

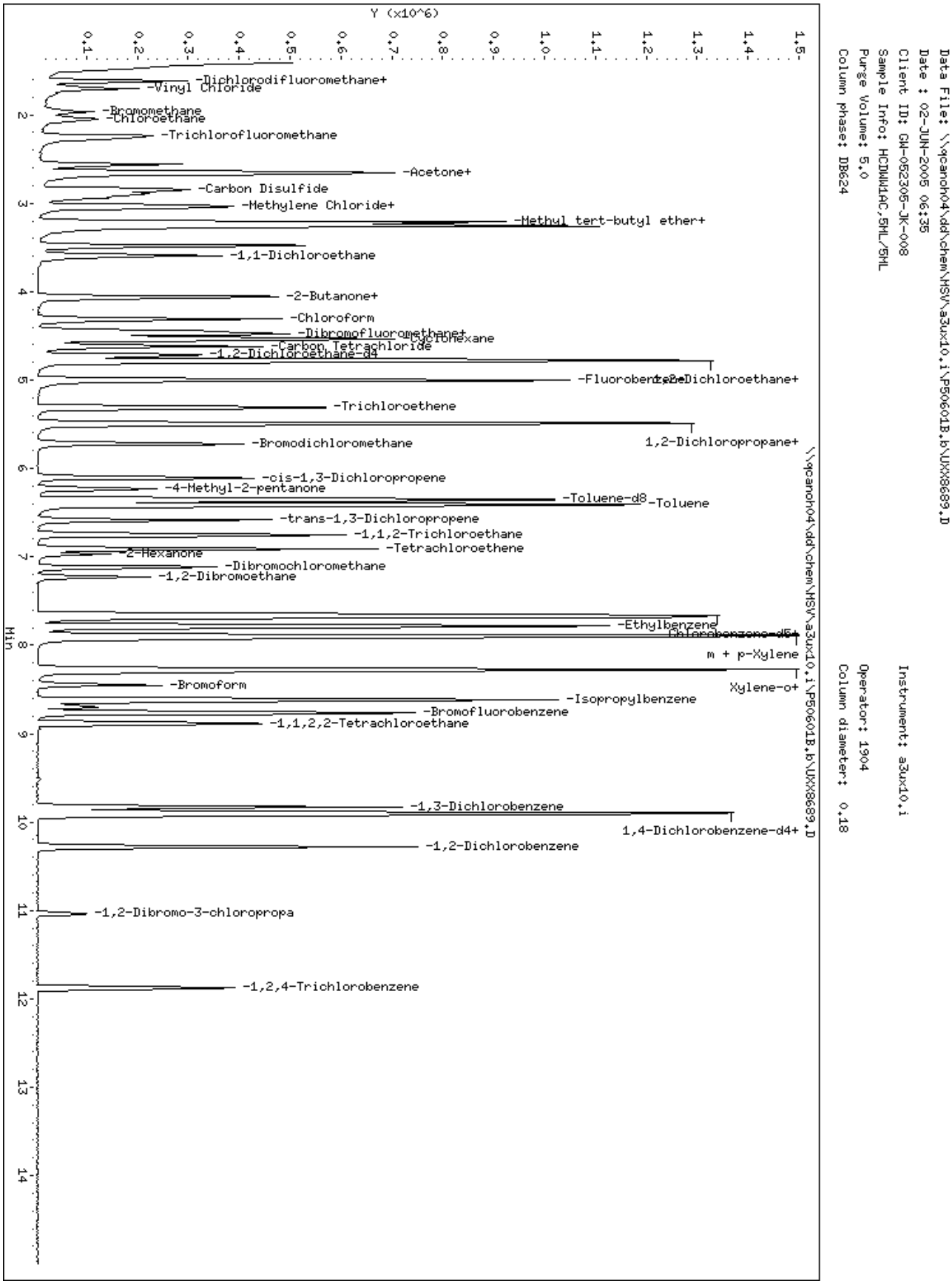
28	1,1-Dichloroethane	63	3.589	3.590 (0.718)	432920	51.8880	10.378
30	2-Butanone	43	4.062	4.063 (0.813)	106898	41.5764	8.315

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8689.D
Report Date: 02-Jun-2005 08:12

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
M 31 1,2-Dichloroethene (total)	96				461019	98.5896	19.718
32 cis-1,2-dichloroethene	96	4.062	4.063	(0.813)	225969	47.1485	9.430
35 Chloroform	83	4.311	4.312	(0.863)	423228	52.2494	10.450
37 1,1,1-Trichloroethane	97	4.476	4.477	(0.896)	341551	56.0013	11.200
39 Carbon Tetrachloride	117	4.618	4.619	(0.924)	295417	55.9580	11.192
40 1,2-Dichloroethane	62	4.784	4.785	(0.957)	344937	51.6262	10.325
41 Benzene	78	4.784	4.785	(0.957)	966890	52.1241	10.425
42 Trichloroethene	130	5.316	5.318	(1.064)	237374	49.3242	9.865
43 1,2-Dichloropropane	63	5.494	5.495	(1.099)	255337	53.5737	10.715
46 Bromodichloromethane	83	5.719	5.720	(1.144)	285533	50.6611	10.132
48 cis-1,3-Dichloropropene	75	6.109	6.110	(1.223)	252222	41.5429	8.308
49 4-Methyl-2-pentanone	43	6.228	6.229	(1.246)	169026	40.2538	8.051
50 Toluene	91	6.417	6.406	(0.838)	1036114	54.5105	10.902
51 trans-1,3-Dichloropropene	75	6.583	6.584	(0.859)	254219	50.5444	10.109
53 1,1,2-Trichloroethane	97	6.748	6.749	(0.881)	206168	53.9949	10.799
55 Tetrachloroethene	164	6.914	6.915	(0.903)	198313	52.1300	10.426
56 2-Hexanone	43	6.973	6.974	(0.910)	104152	37.0753	7.415
57 Dibromochloromethane	129	7.115	7.116	(0.929)	209298	52.5708	10.514
58 1,2-Dibromoethane	107	7.222	7.223	(0.943)	182909	51.4104	10.282
59 Chlorobenzene	112	7.683	7.684	(1.003)	677026	50.3830	10.076
61 Ethylbenzene	106	7.778	7.779	(1.015)	320174	49.4745	9.895
62 m + p-Xylene	106	7.896	7.897	(1.031)	871551	108.866	21.773
M 63 Xylenes (total)	106				1248272	154.600	30.920
64 Xylene-o	106	8.275	8.264	(1.080)	376721	45.7341	9.147
65 Styrene	104	8.275	8.276	(1.080)	624556	44.0706	8.814
66 Bromoform	173	8.452	8.453	(1.104)	139660	54.2050	10.841
67 Isopropylbenzene	105	8.618	8.619	(1.125)	797749	43.6173	8.723
68 1,1,2,2-Tetrachloroethane	83	8.890	8.879	(0.898)	258693	62.5672	12.513
80 1,3-Dichlorobenzene	146	9.825	9.826	(0.993)	389528	44.0134	8.803
81 1,4-Dichlorobenzene	146	9.919	9.909	(1.002)	489732	50.7096	10.142
83 1,2-Dichlorobenzene	146	10.286	10.276	(1.039)	420047	48.7997	9.760
85 1,2,4-Trichlorobenzene	180	11.872	11.873	(1.200)	159377	36.5693	7.314
98 Cyclohexane	56	4.536	4.537	(0.908)	299683	47.8044	9.561
143 Methyl Acetate	43	2.938	2.939	(0.588)	138573	35.3607	7.072(A)
144 Methylcyclohexane	83	5.494	5.495	(1.099)	250099	45.4148	9.083(A)
84 1,2-Dibromo-3-chloropropane	157	11.044	11.045	(1.116)	33434	51.5719	10.314

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.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Date : 02-JUN-2005 06:35
Client ID: GW-052305-JK-008
Sample Info: HCDWWIAC,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acetone+
-Carbon Disulfide
-Methylene Chloride+
-Methyl tert-butyl ether+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-Fluorobenzene
1,2-Dichloroethane+
-Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Ethylbenzene
Chlorobenzene-d5+
m + p-Xylene
Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8689.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8690.D
Report Date: 02-Jun-2005 08:13

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8690.D
Lab Smp Id: HCDWW1AD Client Smp ID: GW-052305-JK-008
Inj Date : 02-JUN-2005 07:00
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HCDWW1AD,5ML/5ML
Misc Info : P50601B,8260LLUX10,1-8260GM.SUB,1904,3,,MSD
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\8260LLUX10.m
Meth Date : 02-Jun-2005 08:07 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 22 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.007	4.998	(1.000)	1046125	50.0000	
* 2 Chlorobenzene-d5	117	7.658	7.660	(1.000)	784116	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.894	9.885	(1.000)	384830	50.0000	
$ 4 Dibromofluoromethane	113	4.439	4.442	(0.887)	221618	51.8937	10.379
$ 5 1,2-Dichloroethane-d4	65	4.723	4.726	(0.943)	279436	53.5839	10.717
$ 6 Toluene-d8	98	6.356	6.359	(0.830)	834487	54.7247	10.945
$ 7 Bromofluorobenzene	95	8.758	8.761	(1.144)	320632	57.8107	11.562
8 Dichlorodifluoromethane	85	1.481	1.484	(0.296)	126674	41.3861	8.277
9 Chloromethane	50	1.623	1.614	(0.324)	302301	50.9195	10.184
10 Vinyl Chloride	62	1.706	1.709	(0.341)	268962	50.6841	10.137
11 Bromomethane	94	1.966	1.969	(0.393)	110550	39.5922	7.918
12 Chloroethane	64	2.049	2.052	(0.409)	174052	51.6313	10.326
13 Trichlorofluoromethane	101	2.238	2.241	(0.447)	349805	52.6544	10.531
16 Acetone	43	2.676	2.679	(0.534)	76197	28.3767	5.675
17 1,1-Dichloroethene	96	2.653	2.655	(0.530)	197479	53.7949	10.759
18 Freon-113	151	2.653	2.655	(0.530)	169337	59.6832	11.937
20 Carbon Disulfide	76	2.854	2.845	(0.570)	661477	53.4019	10.680
21 Methylene Chloride	84	3.043	3.034	(0.608)	245442	45.1051	9.021
24 Methyl tert-butyl ether	73	3.256	3.259	(0.650)	522085	53.4983	10.700
25 trans-1,2-Dichloroethene	96	3.256	3.259	(0.650)	243317	53.5569	10.711

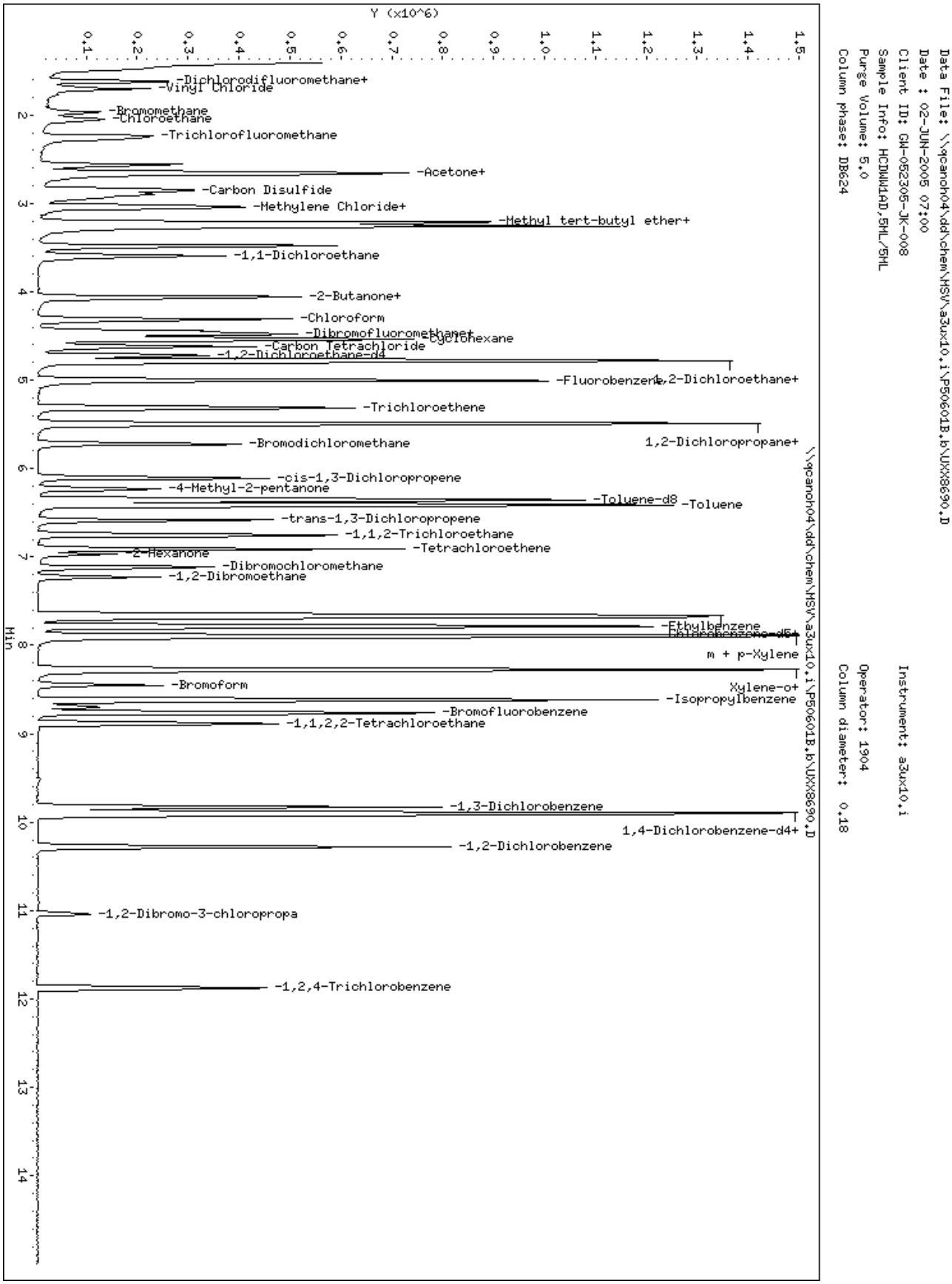
28 1,1-Dichloroethane	63	3.587	3.590 (0.716)	453271	54.6400	10.928
30 2-Butanone	43	4.061	4.063 (0.811)	111847	43.7516	8.750

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8690.D
Report Date: 02-Jun-2005 08:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
M 31 1,2-Dichloroethene (total)	96				477774	102.758	20.552
32 cis-1,2-dichloroethene	96	4.061	4.063	(0.811)	234457	49.2011	9.840
35 Chloroform	83	4.309	4.312	(0.861)	430758	53.4851	10.697
37 1,1,1-Trichloroethane	97	4.475	4.477	(0.894)	350684	57.8297	11.566
39 Carbon Tetrachloride	117	4.617	4.619	(0.922)	297983	56.7690	11.354
40 1,2-Dichloroethane	62	4.783	4.785	(0.955)	341677	51.4327	10.286
41 Benzene	78	4.783	4.785	(0.955)	955657	51.8151	10.363
42 Trichloroethene	130	5.315	5.318	(1.061)	239275	50.0054	10.001
43 1,2-Dichloropropane	63	5.492	5.495	(1.097)	255761	53.9716	10.794
46 Bromodichloromethane	83	5.717	5.720	(1.142)	287201	51.2504	10.250
48 cis-1,3-Dichloropropene	75	6.108	6.110	(1.220)	257917	42.7255	8.545
49 4-Methyl-2-pentanone	43	6.226	6.229	(1.243)	182102	43.6175	8.723
50 Toluene	91	6.415	6.406	(0.838)	1047120	54.7502	10.950
51 trans-1,3-Dichloropropene	75	6.581	6.584	(0.859)	261813	51.7337	10.347
53 1,1,2-Trichloroethane	97	6.747	6.749	(0.881)	214211	55.7558	11.151
55 Tetrachloroethene	164	6.912	6.915	(0.903)	198878	51.9565	10.391
56 2-Hexanone	43	6.972	6.974	(0.910)	120276	42.5513	8.510
57 Dibromochloromethane	129	7.114	7.116	(0.929)	204676	51.0932	10.219
58 1,2-Dibromoethane	107	7.232	7.223	(0.944)	191867	53.5960	10.719
59 Chlorobenzene	112	7.682	7.684	(1.003)	692331	51.2046	10.241
61 Ethylbenzene	106	7.788	7.779	(1.017)	325057	49.9196	9.984
62 m + p-Xylene	106	7.895	7.897	(1.031)	900398	111.776	22.355
M 63 Xylenes (total)	106				1291314	158.872	31.774
64 Xylene-o	106	8.273	8.264	(1.080)	390916	47.0953	9.419
65 Styrene	104	8.273	8.276	(1.080)	670785	46.8785	9.376
66 Bromoform	173	8.451	8.453	(1.104)	138621	53.4704	10.694
67 Isopropylbenzene	105	8.616	8.619	(1.125)	870792	47.0865	9.417
68 1,1,2,2-Tetrachloroethane	83	8.888	8.879	(0.898)	258839	60.2418	12.048
80 1,3-Dichlorobenzene	146	9.823	9.826	(0.993)	427884	46.5241	9.305
81 1,4-Dichlorobenzene	146	9.918	9.909	(1.002)	542762	54.0813	10.816
83 1,2-Dichlorobenzene	146	10.285	10.276	(1.039)	448510	50.1415	10.028
85 1,2,4-Trichlorobenzene	180	11.882	11.873	(1.201)	187517	41.0391	8.208
98 Cyclohexane	56	4.534	4.537	(0.905)	306465	49.1676	9.834
143 Methyl Acetate	43	2.948	2.939	(0.589)	124405	31.9281	6.386(A)
144 Methylcyclohexane	83	5.492	5.495	(1.097)	262304	47.9053	9.581(A)
84 1,2-Dibromo-3-chloropropane	157	11.042	11.045	(1.116)	34747	51.5760	10.315

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 02-JUN-2005 07:00
Client ID: GW-052305-JK-008
Sample Info: HCDWW1AD,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acetone+
-Carbon Disulfide
-Methylene Chloride+
-Methyl tert-butyl ether+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-Fluorobenzene+
1,2-Dichloroethane+
-Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Ethylbenzene
Chlorobenzene-d5+
m + p-Xylene
-Bromoform
Xylene-o+
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux10.i\P50601B.b\UXX8690.D

MISCELLANEOUS DATA

UX9
Batch # 5147507

STL-North Canton
GC/MS VOA Run Log

(6-2)

Date: 5-27-5

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @190 C
Flow Rate 0.4ml/min	IS # U3095 SS # U3093	Hold 3 min	Bake: 5 min @ 210 C
			Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status	
	BFB		BFB215	50ng	direct injection	(8:35)	OK	
1	AppIXstd		UX93570	50ng	U3089 U3090	U505 25-A9	OK	
2	8260std		UX93571	250ng	U3092 U3088 U3091		OK	
3			UX93572	100ng		No 2 Clave	OK	
4			UX93573	50ng			OK	
5			UX93574	25ng		U50527	OK	
6			UX93575	5ng			OK	
7			UX93576	2.5ng			OK	
8	Icv/check		UX93577	50ng	U3078	HCJFM IAC	OK	
9	blank		UX93578	5ml		IAA	OK	
10	check		UX93579	50ng	U3078	IAd	OK	
11	HAXTWIAA		UX93580	5ML		6.2	ok	200103
12	HAXTXIAA		81	5ML			ok	
13	HAXTWIAC	MS	82	5ML	+50ng	MS Run# 5147329	ok	
14	HAXTWIAD	MSD	83				ok	
15	HAOQVIAA		84	5ML		6.3	ok	200204
16	HAOQWIAA		85				ok	
17	HAOQXIAA		86				OK	
18	HAORWIAA		87				OK	
19	HAOQLIAA		88	0.625ml/5ml			OK	
20	HAOQTIAA		89	0.875ml/5ml			OK	
21	HAOROIAA		90	1.25ml/5ml		(R)		
22	HAORIIAA		91	5ML		(R)		
23	HAORSIAA		92	0.002ml/5ml			OK	
24	HAOR8IAA		93	5ML			OK	
25	HAOR9IAA		94				OK	
26	HAOTCIAA		95				OK	
27	HAOTDIAA		96				OK	
28	HAO4VIAA		97				OK	
29	HAWJ6IAA		UX93598	1ml/5ml		next tune 6.2		190306
						5-27-5 SHM		

Analyst: SHM
Level 2 review: [illegible]

PDF DONE

UX9
Batch # 5158057

STL-North Canton
GC/MS VOA Run Log

/4 Date: 6-6-05

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold – min	to – C @ – C/min	Desorb: 1 min @190 C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 5 min @ 210 C
	IS # V3125 SS # V3110		Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Aml Ul Weight	Sample number / Sample prep	Comments	Sample Status
	DFB		DFB 228	50ng	Direct Inject	07:31	OK
1	RQ Cal		UX9 3515		V3118 V3120	525 ana 50ng 6-6-05	OK
2	Val Cal		16		V3124 V3126,27	50527	OK
3	LCS	✓	17		V3100	HC2VA-1AC	OK
4	LCSD	✓	18			1AD	OK
5	Val Blank	✓	19	5ml		1AB	OK
6	HA9CG-1AC	GM ✓	20	5ml			OK
7	NCCWL-1AG	✓	21				OK
8	NCCWL-1AV	✓	22				OK
9	NCCXC-1AV	✓	23				OK
10	NCCXG-1AV	✓	24	1ml/5ml		Foamer	OK
*11	NCCXH-1AV	✓	25	5ml			OK
12	NCC51-1AA	✓	26	0.3ml/5ml			OK
13	NCDTK-1AA	✓	27	5ml			OK
14	NCDWP-1AA	✓	28				OK
15	NCG7R-1AA	VAP ✓	29				OK
16	NCG7X-1AA	✓	30				OK
17	NCDGF-1AA	✓	31				OK
18	NCDGB-1AA	✓	32				OK
19	NCDRW-1AA	✓	33				OK
20	NCDR7-1AA	✓	34	4ml/5ml			OK
21	NCDR9-1AA	✓	35	2.5ml/5ml			OK
22	NCDTC-1AA	✓	36	1ml/5ml			OK
23	NCDVH-1AA	✓	37	1.5ml/5ml			OK
24	NCDVG-1AA	✓	38				OK
25	NCDWB-1AA		39	2ml/5ml		RR 1.25ml	–
26	NCDTC MS		40	1ml/5ml		N/R	OK
27	MSD		41			Out of Tune	–

3972

ana 6-7-05

Analyst: ana
Level 2 review:

PDF ✓

fs = 843872
M = 0.41952
M = 0.38880

260 235 /10 CD
270 220 4/9
280 1H 8 4/4

UX9
Batch # 5159092

STL-North Canton
GC/MS VOA Run Log

4/4

Date: 6-7-05

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @190 C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 5 min @ 210 C
	IS # V3133 SS # V3110		Heated purge: Yes No

Auto Num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB 230	50Ng	Direct Inject	07:53	OK
1	A9 Cal		UX9 3869		V3119 V3120	CMR 6-7-05 V 50525	OK
2	Val Cal		70		V3124 V3126,27	V 50527	OK
3	LCS		71		V3129	HC5gW-1AC	OK
4	LCSD		72			1AD	OK
5	Val Blank		73	5ml		1AA	OK
6	HCDWT-1AA		74				OK
7	HCDWB-1AA		75	1.25ml/5ml			OK
8	HCKB2-1AA		76	1.5ml/5ml			OK
9	HCKCA-1AA		77	5ml			OK
10	HCKEg-1AA		78				OK
11	HCDWg-1AA		79	0.625ml/5ml			OK
12	HCDWK-1AA		80	0.6ml/5ml			OK
13	HCDWO-1AA		81	0.015ml/5ml			OK
14	HCDWR-1AA		82	0.1ml/5ml			OK
15	MS		83	50Ng	V3129	bb↓ NR	–
16	MSD		84				OK
17	HCDWV-1AA		85	5ml		RR 3.5ml	–
18	HCDWX-1AA		86	3.5ml/5ml			OK
19	HCDW1-1AA		87	5ml			OK
20	HCDWH-1AA		88				OK
21	HCG1H-1AA		89	5ml			OK
22	HCG15-1AA		90				OK
23	HCG17-1AA		91				OK
24	HCG18-1AA		92				OK
25	HCG2A-1AA		93				OK
26	HCG2C-1AA		94	1.5ml/5ml			OK
27	HCG2E-1AA		95				OK
~~28~~	~~HCDWV-1AA~~		~~UX9 3890~~	~~3.5ml/5~~		OK Run CMR 6-8-05	OK
						CMR 6-8-05	

CHH2

Analyst: CMR
Level 2 review: RO

PDF MADE: ✓

712

UX10
Batch # 5132405

STL-North Canton
GC/MS VOA Run Log

Date: 5-12-05

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: ~~#10~~ K
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 5 min @ 250 C
	IS # U2978 SS # U2979		Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB1659	50ng		(1044)	ok
	8260 STD		UXX8023	5ng	V3031 V3036, 38, 49		ok
	↓		24	10ng	↓		ok
			25	25ng		V50512	ok
			26	50ng			ok
			27	100ng			ok
			28	200ng			ok
	ICV		29	50ng	V3028		ok
	CHECK		30	50ng	↓	R- SST	-
	APP. IX STD		31	50ng	V3039, 40	V50428	ok
	CHECK	HAELN	32	50ng	V3028		ok
	BLANK	↓	33	5ML			ok
	6934J1AA		34	0.04ML/5ML			ok
	69X531AA		35	5ML			ok
	69P1Q1AC		36	3ML/5ML			ok
	69X6L1AF		37	0.65ML/5ML			OK
	69X6N1AF		38	0.09ML/5ML		RR 0.75ml cmr	~~OK~~
	6934J 1AD	MS	39	0.04ML/5ML	+ 50ng		OK
	6934J 1AE	MSD	40	↓	↓		OK
	69332 1AA		41	5ML			OK
	69333 1AA		42	↓			OK
	6933P1AA		43	3ML/5ML			OK
	6933Q1AA		44	5ML			OK
	6933R1AA		45	1ML/5ML			OK
	6933T1AA		46	3ML/5ML			OK
	6933V1AA		47	0.75ML/5ML			OK
	6933X1AA		48	5ML			OK
	69330 1AA		49	↓			OK
	69331 1AA		UXX8050	1ML/5ML			OK

6328

Analyst: RO / cmr
Level 2 review: [illegible]

PPF DONE

UX10
Batch # 0153163

STL-North Canton
GC/MS VOA Run Log

Date: 6-1-05

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10 K
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min	IS # V3082 SS # V3082	Hold 3 min	Bake: 5 min @ 250 C
		6/6	Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number# Sample prep	Comments	Sample status
	BFB		BFB1683	50mg		2151	ok
	8260 STD		UXX8669	50mg	V3091 V3101,02	V50512	ok
	Appr. TX STD		70	50mg	V3089,90	V50531	ok
	CHECK	HCQJA	71	50mg	V3103		ok
	CHECK		72	50mg			ok
M	BLANK		73	5mL			ok
	HCGNL1AA		74	5mL			ok
	HCDQM1AA		75				ok
	HCDQT1AA		76				ok
	HCDQV1AA		77				ok
	HCDQW1AA		78				ok
	HCDQZ1AA		79				ok
	HCDQY1AA		80				ok
	HCDTK1AA		81			R - SSt	-
	HCDVS1AA		82				ok
	HCDWL1AA		83				ok
	HCDWM1AA		84				ok
	HCDWP1AA		85			R - SSt	-
	HCDWQ1AA		86				ok
	HCDWT1AA		87	5mL		R - SSt	-
RQ 6-1-05	HCDWW1AA ~~HCDWT1AC~~	RQ 6-1-05	88		RQ 6-1-05 ~~+ 50mg~~	R - SSt	-
RQ 6-1-05	HCDWW1AC ~~HCDWT1AD~~	MS ~~MSD~~ RQ 6-1-05	89		RQ 6-1-05 + 50mg		ok
RQ 6-1-05	HCDWW1AD ~~HCDWZ1AA~~	MSD	90				ok
	HCDWZ1AA ~~HCDW3 1AA~~	RQ 6-1-05	91				ok
	HCDW31AA		92	5mL			ok
	HCDW51AA		93				ok
	HCDW61AA		94				ok
	HCDWW1AA ~~HCDWT1AA~~	RQ 6-2-05	UXX8695				OK
						RQ 6-2-05	

Analyst: RQ
Level 2 review: JL
PDF Made: ✓

UX10
Batch # 5157292

STL-North Canton
GC/MS VOA Run Log

Date: 6-3-05

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: ~~#10~~ K
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 5 min @ 250 C
	IS # V3080 SS # V3082	6/8	Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number Sample prep	Comments	Sample status
✓	BFB		BFB1687	50ng		2141	ok
✓	8260 STD		UXX8780	50ng	V3121, 2627	V50512	ok
✓	APP. IX STD		81	50ng	V3119, 20	V50531	ok
✓	CHECK	HCIV5	82	50ng	V3103		ok
✓	CHECK		83	50ng			ok
✓	BLANK		84	5ML			ok
✓	HA9DW1AA		85	0.18ML/5ML			ok
✓	HA9DW1AC	MS	86		+50ng		ok
✓	HA9DW1AD	MSD	87				ok
✓	HCC87IAA		88	5ML			ok
✓	HCC9MIAA		89				ok
✓	HCDEWIAA		90				ok
✓	HCDEXIAA		91				ok
✓	HCCR8IAA		92				ok
✓	HCCT6IAA		93				ok
✓	HCDW7IAA		94				ok
✓	HCDXDIAA		95				ok
✓	HCDXEIAA		96				ok
✓	HCDXHIAA		97				ok
✓	HCDXJIAA		98				ok
✓	HCDXKIAA		UXX8799				ok
✓	HCDXLIAA		UXX8800				ok
✓	HCDXMIAA		01				ok
✓	HCDXNIAA		02				ok
✓	HCDXQIAA		03				ok
✓	HCHRVIAA		04				ok
✓	HCHTDIAA		05				ok
✓	HCHTJIAA		UXX8806				ok

M

0.25375
9763

RQ 6-6-05

Analyst: RQ
Level 2 review: CMR

PDF Made: ✓

Lot/SDG Number: **A5E260235**

Sample Control Chain of Custody - STL North Canton
GC/MS Volatiles

Lot Number	Sample	Work Order	Analysis Type	Analysis Date	Analyst
A5E260235	1	HCDTK1AA	Volatile Organics, GC/MS (8260B)	06/06/05	Carolynne Roach
A5E260235	2	HCDV91AA	Volatile Organics, GC/MS (8260B)	06/02/05	Richard Quayle
A5E260235	3	HCDWL1AA	Volatile Organics, GC/MS (8260B)	06/02/05	Richard Quayle
A5E260235	4	HCDWM1AA	Volatile Organics, GC/MS (8260B)	06/02/05	Richard Quayle
A5E260235	5	HCDWP1AA	Volatile Organics, GC/MS (8260B)	06/06/05	Carolynne Roach
A5E260235	6	HCDWQ1AA	Volatile Organics, GC/MS (8260B)	06/02/05	Richard Quayle
A5E260235	7	HCDWT1AA	Volatile Organics, GC/MS (8260B)	06/07/05	Carolynne Roach
A5E260235	8	HCDWW1AA	Volatile Organics, GC/MS (8260B)	06/02/05	Richard Quayle
A5E260235	9	HCDW21AA	Volatile Organics, GC/MS (8260B)	06/02/05	Richard Quayle
A5E260235	10	HCDW31AA	Volatile Organics, GC/MS (8260B)	06/02/05	Richard Quayle
A5E260235	11	HCDW51AA	Volatile Organics, GC/MS (8260B)	06/02/05	Richard Quayle
A5E260235	12	HCDW61AA	Volatile Organics, GC/MS (8260B)	06/02/05	Richard Quayle
A5E260235	13	HCDW71AA	Volatile Organics, GC/MS (8260B)	06/04/05	Richard Quayle
A5E260235	14	HCDXD1AA	Volatile Organics, GC/MS (8260B)	06/04/05	Richard Quayle
A5E260235	15	HCDXE1AA	Volatile Organics, GC/MS (8260B)	06/04/05	Richard Quayle
A5E260235	16	HCDXH1AA	Volatile Organics, GC/MS (8260B)	06/04/05	Richard Quayle
A5E260235	17	HCDXJ1AA	Volatile Organics, GC/MS (8260B)	06/04/05	Richard Quayle
A5E260235	18	HCDXK1AA	Volatile Organics, GC/MS (8260B)	06/04/05	Richard Quayle
A5E260235	19	HCDXL1AA	Volatile Organics, GC/MS (8260B)	06/04/05	Richard Quayle
A5E260235	20	HCDXM1AA	Volatile Organics, GC/MS (8260B)	06/04/05	Richard Quayle
A5E260235	21	HCDXN1AA	Volatile Organics, GC/MS (8260B)	06/04/05	Richard Quayle
A5E260235	22	HCDXQ1AA	Volatile Organics, GC/MS (8260B)	06/04/05	Richard Quayle

END OF REPORT

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SEVERN TRENT STL

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ANALYTICAL REPORT

PROJECT NO. 34891

EVERGREEN MANOR

Lot #: A5E280164

Julie Czech

Conestoga-Rovers & Associates
8615 W. Bryn Mawr
Chicago, IL 60631

SEVERN TRENT LABORATORIES, INC.

Amy L. McCormick
Project Manager

June 27, 2005

SEVERN TRENT STL

CASE NARRATIVE

CASE NARRATIVE

A5E280164

The following report contains the analytical results for eleven water samples and one quality control sample submitted to STL North Canton by Conestoga-Rovers & Associates, Inc. from the Evergreen Manor Site, project number 34891. The samples were received May 28, 2005, according to documented sample acceptance procedures.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to Julie Czech on June 10, 2005. A summary of QC data for these analyses is included at the back of the report.

STL North Canton attests to the validity of the laboratory data generated by STL facilities reported herein. All analyses performed by STL facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. STL's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

If you have any questions, please call the Project Manager, Amy L. McCormick, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 3.9° C.

CASE NARRATIVE (continued)

GC/MS VOLATILES

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

STL North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. STL North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed below.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals
Methylene chloride	Phthalate Esters	Copper
Acetone		Iron
2-Butanone		Zinc
		Lead*

- *for analyses run on TJA Trace ICP, ICPMS or GFAA only*

QUALITY CONTROL ELEMENTS OF SW-846 METHODS
(Continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable. The acceptance criteria do not apply to samples that are diluted for organics if the native sample amount is 4x the concentration of the spike.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepped and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepped and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide, PCB, and PAH methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria.

STL North Canton Certifications and Approvals:

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225), Illinois (#200004), Kansas (#E10336), Massachusetts (#M-OH048), Maryland (#272), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), North Carolina (#39702), Ohio (#6090), OhioVAP (#CL0024), Rhode Island (#237), South Carolina (#92007001, #92007002, #92007003), Tennessee (#02903), Utah (#QUAN9), Virginia (#00011), West Virginia (#210), Wisconsin (#999518190),NAVY, ARMY, USDA Soil Permit, ACIL Seal of Excellence – Participating Lab Status Award (#82)

SEVERN TRENT STL

EXECUTIVE SUMMARY

EXECUTIVE SUMMARY - Detection Highlights

A5E280164

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
GW-052605-JK-022 05/26/05 08:50 001				
Acetone	1.8 J,B	10	ug/L	SW846 8260B
Tetrachloroethene	0.33 J	1.0	ug/L	SW846 8260B
GW-052605-JK-023 05/26/05 09:50 002				
Tetrachloroethene	0.90 J	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	0.71 J	1.0	ug/L	SW846 8260B
GW-052605-JK-024 05/26/05 11:55 003				
cis-1,2-Dichloroethene	0.62 J	1.0	ug/L	SW846 8260B
Tetrachloroethene	0.29 J	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	1.8	1.0	ug/L	SW846 8260B
Trichloroethene	4.6	1.0	ug/L	SW846 8260B
GW-052605-JK-025 05/26/05 12:15 004				
cis-1,2-Dichloroethene	0.65 J	1.0	ug/L	SW846 8260B
Tetrachloroethene	0.25 J	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	1.8	1.0	ug/L	SW846 8260B
Trichloroethene	4.8	1.0	ug/L	SW846 8260B
GW-052605-JK-026 05/26/05 13:50 005				
Acetone	1.7 J,B	10	ug/L	SW846 8260B
cis-1,2-Dichloroethene	0.45 J	1.0	ug/L	SW846 8260B
Tetrachloroethene	2.3	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	1.6	1.0	ug/L	SW846 8260B
Trichloroethene	2.8	1.0	ug/L	SW846 8260B
GW-052605-JK-027 05/26/05 14:00 006				
Acetone	2.0 J,B	10	ug/L	SW846 8260B
GW-052605-JK-028 05/26/05 14:40 007				
Tetrachloroethene	2.5	1.0	ug/L	SW846 8260B
GW-052605-JK-029 05/26/05 16:15 008				
Acetone	1.1 J,B	10	ug/L	SW846 8260B
Tetrachloroethene	1.6	1.0	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A5E280164

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
GW-052705-JK-030 05/27/05 09:25 009				
Tetrachloroethene	0.30 J	1.0	ug/L	SW846 8260B
GW-052705-JK-031 05/27/05 09:35 010				
1,2,4-Trichloro-benzene	0.84 J,B	1.0	ug/L	SW846 8260B

SEVERN TRENT STL

METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

A5E280164

PARAMETER	ANALYTICAL METHOD
Volatile Organics by GC/MS	SW846 8260B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SEVERN TRENT STL

SAMPLE SUMMARY

SAMPLE SUMMARY

A5E280164

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HCKEK	001	GW-052605-JK-022	05/26/05	08:50
HCKEL	002	GW-052605-JK-023	05/26/05	09:50
HCKEM	003	GW-052605-JK-024	05/26/05	11:55
HCKEN	004	GW-052605-JK-025	05/26/05	12:15
HCKEP	005	GW-052605-JK-026	05/26/05	13:50
HCKEQ	006	GW-052605-JK-027	05/26/05	14:00
HCKER	007	GW-052605-JK-028	05/26/05	14:40
HCKET	008	GW-052605-JK-029	05/26/05	16:15
HCKEV	009	GW-052705-JK-030	05/27/05	09:25
HCKEX	010	GW-052705-JK-031	05/27/05	09:35
HCKE0	011	GW-052705-JK-032	05/27/05	10:40
HCKE1	012	TRIP BLANK	05/27/05	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SEVERN TRENT STL

SHIPPING AND RECEIVING DOCUMENTS

RSR280

Client: 1628

Lot #: A5E280164

Case Number/SDG: 34891

Storage Location: MS

Severn Trent Laboratories, Inc.
Sample Control Record

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
HCKEK	MITEVD	5/28/05	Yes		Storage	
HCKEL	MITEVD	5/28/05	Yes		Storage	
HCKEM	MITEVD	5/28/05	Yes		Storage	
HCKEN	MITEVD	5/28/05	Yes		Storage	
HCKEP	MITEVD	5/28/05	Yes		Storage	
HCKEQ	MITEVD	5/28/05	Yes		Storage	
HCKER	MITEVD	5/28/05	Yes		Storage	
HCKET	MITEVD	5/28/05	Yes		Storage	
HCKEV	MITEVD	5/28/05	Yes		Storage	
HCKEX	MITEVD	5/28/05	Yes		Storage	
HCKE0	MITEVD	5/28/05	Yes		Storage	
HCKE1	MITEVD	5/28/05	Yes		Storage	

CONESTOGA-ROVERS & ASSOCIATES
8615 W. Bryn Mawr Avenue
Chicago, Illinois 60631
(773)380-9933 phone
(773)380-6421 fax

SHIPPED TO (Laboratory Name): SEVERN TRENT LABS (NORTH CANTON)

REFERENCE NUMBER: 34891

PROJECT NAME: EVERGREEN MANOR

CHAIN-OF-CUSTODY RECORD

SAMPLER'S SIGNATURE: Jeff Kolodziejski PRINTED NAME: JEFF KOLODZIEJSKI

SEQ. No.	DATE	TIME	SAMPLE IDENTIFICATION No.	SAMPLE MATRIX	No. OF CONTAINERS	PARAMETERS: VOC's	REMARKS
	5/26/05	0850	GW-052605-JK-022	WATER	3	X	
		0950	023		3	X	
		1155	024		3	X	
		1215	025		3	X	
		1350	026		3	X	
		1400	027		3	X	
		1440	028		3	X	
		1615	029		3	X	
	5/27/05	0925	GW-052705-JK-030		9	X	1 MS/MSD
		0935	031		3	X	
		1040	032		3	X	
			TRIP BLANK		2	X	
			TEMP BLANK		1		

TOTAL NUMBER OF CONTAINERS: 42

RELINQUISHED BY: ① Jeff Kolodziejski	DATE: 5/27/05 TIME: 1400	RECEIVED BY: ②	DATE: TIME:
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: FED EX

AIR BILL No. 8490 1342 5578

White -Fully Executed Copy
Yellow -Receiving Laboratory Copy
Pink -Shipper Copy
Goldenrod -Sampler Copy

SAMPLE TEAM: KOLODZIEJSKI, JARRETT

RECEIVED FOR LABORATORY BY: [illegible] DATE: 5/28/05 TIME: 9:15 am

13012

STL North Canton

1001-00(SOURCE)GN-CO004

STL Cooler Receipt Form/Narrative **Lot Number:** ASE 2801/04

North Canton Facility

Client: CRA Project: Evergreen Manor Quote#: _____

Cooler Received on: 5/28/05 Opened on: 5/28/05 by: [signature] (Signature)

Fedx ☑ Client Drop Off ☐ UPS ☐ DHL ☐ FAS ☐ Other: _____

STL Cooler No# _____ Foam Box ☐ Client Cooler ☑ Other ____

1. Were custody seals on the outside of the cooler? Yes ☐ No ☑ Intact? Yes ☐ No ☐ NA ☑
   If YES, Quantity _____
   Were the custody seals signed and dated? Yes ☐ No ☐ NA ☑
2. Shipper's packing slip attached to this form? Yes ☑ No ☐ NA ☐
3. Did custody papers accompany the samples? Yes ☑ No ☐ Relinquished by client? Yes ☑ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☐ No ☐
5. Packing material used: Bubble Wrap ☑ Foam ☑ None ☐ Other : _____
6. Cooler temperature upon receipt 3.9 °C (see back of form for multiple coolers/temp)

METHOD: Temp Vial ☐ Coolant & Sample ☐ Against Bottles ☐ IR ☑ ICE/H_2O Slurry ☐

COOLANT: Wet Ice ☑ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐

7. Did all bottles arrive in good condition (Unbroken)? Yes ☑ No ☐
8. Could all bottle labels and/or tags be reconciled with the COC? Yes ☑ No ☐
9. Were samples at the correct pH? (record below/on back) Yes ☐ No ☐ NA ☑
10. Were correct bottles used for the tests indicated? Yes ☑ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☑ ~~NA ☑~~
12. Sufficient quantity received to perform indicated analyses? Yes ☑ No ☐

Contacted PM _____ Date: _____ by: _____ via Voice Mail ☐ Verbal ☐ Other ☐

Concerning: _____

√		

1. CHAIN OF CUSTODY

The following discrepancies occurred:

_____

2. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

3. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot # 030905-HNO3; Sulfuric Acid Lot # 102804-H2SO4; Sodium Hydroxide Lot # -100504-NaOH; Hydrochloric Acid Lot # 100504-HCl; Sodium Hydroxide and Zinc Acetate Lot # 071604-CH3COO2ZN/NaOH*

Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)

4. Other (see below or back)

Client ID	pH	Date	Initials

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Cooler	Temp	Method	Coolant

Discrepancies Cont.

GCMS VOLATILE DATA

QC SUMMARY DATA

SW846 8260B SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5E280164

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	GW-052605-JK-022	101	95	104	92	00
02	GW-052605-JK-023	112	103	97	77	00
03	GW-052605-JK-024	112	105	96	75	00
04	GW-052605-JK-025	110	109	97	76	00
05	GW-052605-JK-026	103	94	106	96	00
06	GW-052605-JK-027	101	87	105	92	00
07	GW-052605-JK-028	115	106	94	75	00
08	GW-052605-JK-029	99	89	108	94	00
09	GW-052705-JK-030	121	117	98	76	00
10	GW-052705-JK-031	109	105	94	76	00
11	GW-052705-JK-032	103	87	107	92	00
12	TRIP BLANK	100	87	109	90	00
13	METHOD BLK. HC8WX1AA	107	99	98	78	00
14	METHOD BLK. HDCKM1AA	103	96	106	95	00
15	LCS HC8WX1AC	102	101	107	110	00
16	LCS HDCKM1AC	103	97	105	103	00
17	GW-052705-JK-030 D	104	103	107	110	00
18	LCSD HDCKM1AD	101	98	105	99	00
19	GW-052705-JK-030 S	105	103	108	112	00

SURROGATES		QC LIMITS
SRG01	= Dibromofluoromethane	(73-122)
SRG02	= 1,2-Dichloroethane-d4	(61-128)
SRG03	= Toluene-d8	(76-110)
SRG04	= 4-Bromofluorobenzene	(74-116)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F090000 WO #: HC8WX1AC
BATCH: 5160173

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	9.4	94	63 - 130	
Trichloroethene	10	9.6	96	75 - 122	
Benzene	10	10	100	80 - 116	
Toluene	10	10	103	74 - 119	
Chlorobenzene	10	9.6	96	76 - 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F100000 WO #: HDCKM1AC
BATCH: 5161119

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	9.3	93	63- 130	
Trichloroethene	10	9.6	96	75- 122	
Benzene	10	9.3	93	80- 116	
Toluene	10	8.9	89	74- 119	
Chlorobenzene	10	8.8	88	76- 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F100000 WO #: HDCKM1AD
BATCH: 5161119

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	10	100	63- 130	
Trichloroethene	10	10	101	75- 122	
Benzene	10	10	102	80- 116	
Toluene	10	9.7	97	74- 119	
Chlorobenzene	10	9.8	98	76- 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Matrix Spike ID: GW-052705-JK-030

Lot #: A5E280164 WO #: HCKEV1AC
BATCH: 5160173

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	10	ND	10	103	62- 130	
Trichloroethene	10	ND	9.7	97	62- 130	
Benzene	10	ND	10	104	78- 118	
Toluene	10	ND	11	106	70- 119	
Chlorobenzene	10	ND	9.5	95	76- 117	

NOTES(S):

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Matrix Spike ID: GW-052705-JK-030

Lot #: A5E280164 WO #: HCKEV1AD
BATCH: 5160173

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	10	103	0.18	20	62- 130	
Trichloroethene	10	9.8	98	1.1	20	62- 130	
Benzene	10	10	105	0.98	20	78- 118	
Toluene	10	11	107	1.1	20	70- 119	
Chlorobenzene	10	9.8	98	2.3	20	76- 117	

NOTES(S):

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 5 outside limits

COMMENTS:

FORM III

BLANK WORKORDER NO.

HDCKM1AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:

Lab File ID: UX93988.D

Lot Number: A5E280164

Date Analyzed: 06/09/05

Time Analyzed: 16:09

Matrix: WATER

Date Extracted: 06/09/05

GC Column: DB 624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX9

Level: (low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	GW-052605-JK-022	HCKEK1AA	UX93989.D	06/09/05	16:31
02	GW-052605-JK-026	HCKEP1AA	UX93990.D	06/09/05	16:54
03	GW-052605-JK-027	HCKEQ1AA	UX93990A.	06/09/05	17:16
04	GW-052605-JK-029	HCKET1AA	UX93991.D	06/09/05	17:39
05	GW-052705-JK-032	HCKE01AA	UX93992.D	06/09/05	18:02
06	TRIP BLANK	HCKE11AA	UX93993.D	06/09/05	18:24
07	CHECK SAMPLE	HDCKM1AC C	UX93985.D	06/09/05	15:24
08	DUPLICATE CHECK	HDCKM1AD L	UX93987.D	06/09/05	15:46
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COMMENTS:

FORM IV

BLANK WORKORDER NO.

HC8WX1AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:

Lab File ID: UXX8922.D

Lot Number: A5E280164

Date Analyzed: 06/08/05

Time Analyzed: 22:57

Matrix: WATER

Date Extracted: 06/08/05

GC Column: DB 624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX10

Level: (low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	GW-052605-JK-023	HCKEL1AA	UXX8924.D	06/08/05	23:47
02	GW-052605-JK-024	HCKEM1AA	UXX8925.D	06/09/05	00:12
03	GW-052605-JK-025	HCKEN1AA	UXX8926.D	06/09/05	00:37
04	GW-052605-JK-028	HCKER1AA	UXX8929.D	06/09/05	01:52
05	GW-052705-JK-030	HCKEV1AA	UXX8945.D	06/09/05	08:49
06	GW-052705-JK-030	HCKEV1AC S	UXX8932.D	06/09/05	03:07
07	GW-052705-JK-030	HCKEV1AD D	UXX8933.D	06/09/05	03:32
08	GW-052705-JK-031	HCKEX1AA	UXX8934.D	06/09/05	03:57
09	CHECK SAMPLE	HC8WX1AC C	UXX8920.D	06/08/05	22:07
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COMMENTS:

FORM IV

5A

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5E280164

Lab File ID: BFB215 BFB Injection Date: 05/27/05

Instrument ID: A3UX9 BFB Injection Time: 0835

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.8
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	6.5
173	Less than 2.0% of mass 174	0.4 (0.6)1
174	50.0 - 120.0% of mass 95	73.1
175	5.0 - 9.0% of mass 174	5.3 (7.3)1
176	Greater than 95.0%, but less than 101.0% of mass 174	72.1 (98.7)1
177	5.0 - 9.0% of mass 176	4.4 (6.1)2

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

THIS TUNE 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	250NG-IC	UX93571	05/27/05	0947
02	VSTD020	100NG-IC	UX93572	05/27/05	1009
03	VSTD010	50NG-IC	UX93573	05/27/05	1031
04	VSTD005	25NG-IC	UX93574	05/27/05	1053
05	VSTD002	10NG-IC	UX93575	05/27/05	1115
06	VSTD001	5NG-IC	UX93576	05/27/05	1137
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5A

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5E280164

Lab File ID: BFB234 BFB Injection Date: 06/09/05

Instrument ID: A3UX9 BFB Injection Time: 1323

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.9
75	30.0 - 60.0% of mass 95	42.3
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	50.0 - 120.0% of mass 95	76.2
175	5.0 - 9.0% of mass 174	5.7 (7.5)1
176	Greater than 95.0%, but less than 101.0% of mass 174	75.8 (99.5)1
177	5.0 - 9.0% of mass 176	5.1 (6.7)2

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

THIS TUNE 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	50NG-CC	UX93983	06/09/05	1427
02	HDCKM-CHK	HDCKM1AC	UX93985	06/09/05	1524
03	HDCKM-CKDUP	HDCKM1AD	UX93987	06/09/05	1546
04	HDCKM-BLK	HDCKM1AA	UX93988	06/09/05	1609
05	GW-052605-JK	HCKEK1AA	UX93989	06/09/05	1631
06	GW-052605-JK	HCKEP1AA	UX93990	06/09/05	1654
07	GW-052605-JK	HCKEQ1AA	UX93990A	06/09/05	1716
08	GW-052605-JK	HCKET1AA	UX93991	06/09/05	1739
09	GW-052705-JK	HCKE01AA	UX93992	06/09/05	1802
10	TRIP BLANK	HCKE11AA	UX93993	06/09/05	1824
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5A

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5E280164

Lab File ID: BFB1659 BFB Injection Date: 05/12/05

Instrument ID: A3UX10 BFB Injection Time: 1044

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.7
75	30.0 - 60.0% of mass 95	47.0
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	0.5 (0.5)1
174	50.0 - 100.0% of mass 95	87.0
175	5.0 - 9.0% of mass 174	5.9 (6.8)1
176	Greater than 95.0%, but less than 101.0% of mass 174	83.8 (96.3)1
177	5.0 - 9.0% of mass 176	5.3 (6.3)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001	5NG-IC	UXX8023	05/12/05	1106
02	VSTD002	10NG-IC	UXX8024	05/12/05	1131
03	VSTD005	25NG-IC	UXX8025	05/12/05	1156
04	VSTD010	50NG-IC	UXX8026	05/12/05	1221
05	VSTD020	100NG-IC	UXX8027	05/12/05	1246
06	VSTD040	200NG-IC	UXX8028	05/12/05	1311
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5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5E280164

Lab File ID: BFB1692 BFB Injection Date: 06/08/05

Instrument ID: A3UX10 BFB Injection Time: 2054

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.9
75	30.0 - 60.0% of mass 95	46.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.4 (0.5)1
174	50.0 - 100.0% of mass 95	80.2
175	5.0 - 9.0% of mass 174	5.5 (6.9)1
176	Greater than 95.0%, but less than 101.0% of mass 174	77.4 (96.5)1
177	5.0 - 9.0% of mass 176	4.8 (6.2)2

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

THIS TUNE 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	50NG-CC	UXX8918	06/08/05	2117
02	HC8WX-CHK	HC8WX1AC	UXX8920	06/08/05	2207
03	HC8WX-BLK	HC8WX1AA	UXX8922	06/08/05	2257
04	GW-052605-JK	HCKEL1AA	UXX8924	06/08/05	2347
05	GW-052605-JK	HCKEM1AA	UXX8925	06/09/05	0012
06	GW-052605-JK	HCKEN1AA	UXX8926	06/09/05	0037
07	GW-052605-JK	HCKER1AA	UXX8929	06/09/05	0152
08	GW-052705-JK	HCKEV1AC	UXX8932	06/09/05	0307
09	GW-052705-JK	HCKEV1AD	UXX8933	06/09/05	0332
10	GW-052705-JK	HCKEX1AA	UXX8934	06/09/05	0357
11	GW-052705-JK	HCKEV1AA	UXX8945	06/09/05	0849
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FORM V VOA 1/87 Rev.

8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5E280164

Lab File ID (Standard): UX93983 Date Analyzed: 06/09/05

Instrument ID: A3UX9 Time Analyzed: 1427

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

		IS1(CBZ) AREA #	RT	IS2(DCB) AREA #	RT	IS3 AREA #	RT
	12 HOUR STD	457558	7.75	208089	9.98	582253	5.10
	UPPER LIMIT	915116	8.25	416178	10.48	1164506	5.60
	LOWER LIMIT	228779	7.25	104045	9.48	291127	4.60
	EPA SAMPLE NO.						
01	HDCKM-CHK	459974	7.75	200069	9.98	591106	5.10
02	HDCKM-CKDUP	456904	7.75	197914	9.99	600770	5.10
03	HDCKM-BLK	442587	7.75	182862	9.98	579835	5.10
04	GW-052605-JK	446331	7.75	183648	9.98	580888	5.10
05	GW-052605-JK	424986	7.75	179687	9.98	559066	5.10
06	GW-052605-JK	429792	7.75	174229	9.98	564988	5.10
07	GW-052605-JK	423977	7.75	170333	9.98	561713	5.10
08	GW-052705-JK	423912	7.75	167561	9.99	561384	5.10
09	TRIP BLANK	423133	7.75	160435	9.99	564879	5.10
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DCB) = 1,4-Dichlorobenzene-d4
IS3 = Fluorobenzene

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk.

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FORM VIII VOA 1/87 Rev.

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5E280164

Lab File ID (Standard): UXX8918 Date Analyzed: 06/08/05

Instrument ID: A3UX10 Time Analyzed: 2117

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

		IS1(CBZ) AREA #	RT	IS2 AREA #	RT	IS3(DCB) AREA #	RT
	12 HOUR STD	829375	7.66	1119869	5.01	466790	9.90
	UPPER LIMIT	1658750	8.16	2239738	5.51	933580	10.40
	LOWER LIMIT	414688	7.16	559935	4.51	233395	9.40
	EPA SAMPLE NO.						
01	HC8WX-CHK	842636	7.66	1132179	5.01	399998	9.89
02	HC8WX-BLK	781525	7.66	1067141	5.01	308256	9.89
03	GW-052605-JK	744284	7.66	1019248	5.01	292155	9.90
04	GW-052605-JK	710684	7.66	977699	5.00	256946	9.90
05	GW-052605-JK	724760	7.66	990304	5.01	276015	9.89
06	GW-052605-JK	720302	7.66	990560	5.01	273974	9.89
07	GW-052705-JK	791720	7.66	1074755	5.01	374507	9.89
08	GW-052705-JK	806907	7.66	1098907	5.01	387412	9.89
09	GW-052705-JK	741184	7.66	1011549	5.01	282991	9.90
10	GW-052705-JK	695934	7.66	955118	5.01	255103	9.90
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (CBZ) = Chlorobenzene-d5
IS2 = Fluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d4

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk.

FORM VIII VOA 1/87 Rev.

SAMPLE DATA

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052605-JK-022

GC/MS Volatiles

Lot-Sample #...: A5E280164-001 **Work Order #...:** HCKEK1AA **Matrix.....:** WG
Date Sampled...: 05/26/05 08:50 **Date Received..:** 05/28/05
Prep Date.....: 06/09/05 **Analysis Date..:** 06/09/05
Prep Batch #...: 5161119
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**1.8 J,B**	**10**	**ug/L**
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052605-JK-022

GC/MS Volatiles

Lot-Sample #...: A5E280164-001 **Work Order #...:** HCKEK1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**0.33 J**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(73 - 122)
1,2-Dichloroethane-d4	95	(61 - 128)
Toluene-d8	104	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93989.D
Report Date: 10-Jun-2005 11:20

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93989.D
Lab Smp Id: HCKEK1AA Client Smp ID: GW-052605-JK-022
Inj Date : 09-JUN-2005 16:31
Operator : 1754 Inst ID: a3ux9.i
Smp Info : HCKEK1AA,5ML/5ML
Misc Info : N50609B,8260MIUX9,,1754
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\8260MIUX9.m
Meth Date : 10-Jun-2005 11:18 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	580888	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	446331	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	183648	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	120751	50.6965	10.139
$ 5 1,2-Dichloroethane-d4	65	4.825	4.825	(0.947)	129043	47.5166	9.503
$ 6 Toluene-d8	98	6.446	6.446	(0.832)	634933	52.0776	10.416
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	216822	46.2268	9.245
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.790	2.790	(0.547)	16714	9.23431	1.847
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93989.D
Report Date: 10-Jun-2005 11:20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.411	4.411	(0.865)	2808	0.62539	0.1251
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.884	4.884	(0.958)	8294	0.64201	0.1284
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.002	7.002	(0.904)	4477	1.66167	0.3323
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

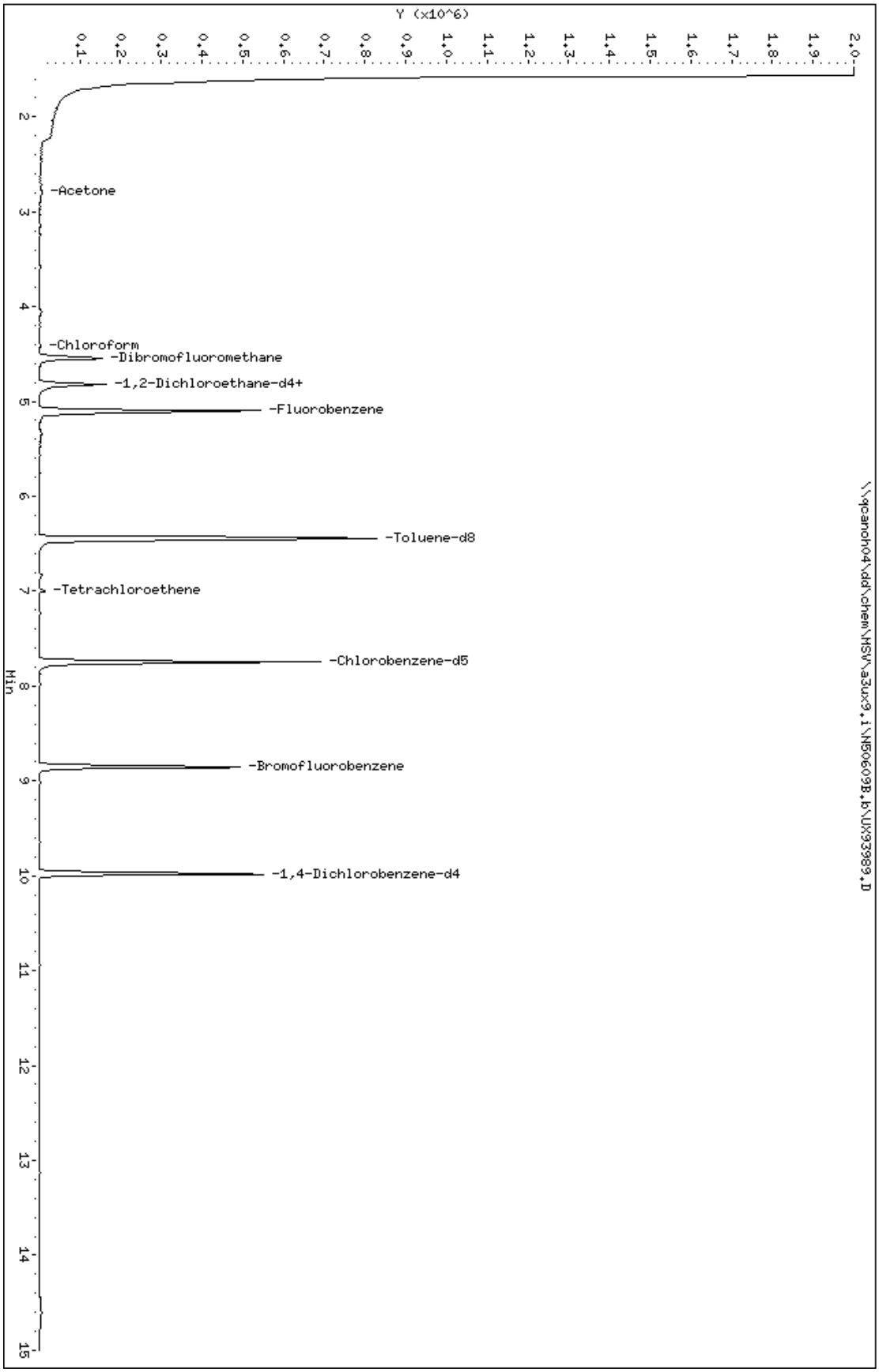
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93989.D
Report Date: 10-Jun-2005 11:20

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93989.D
Date : 09-JUN-2005 16:31
Client ID: GW-052605-JK-022
Sample Info: HCKEK1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9.i
Operator: 1754
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93989.D

Date : 09-JUN-2005 16:31

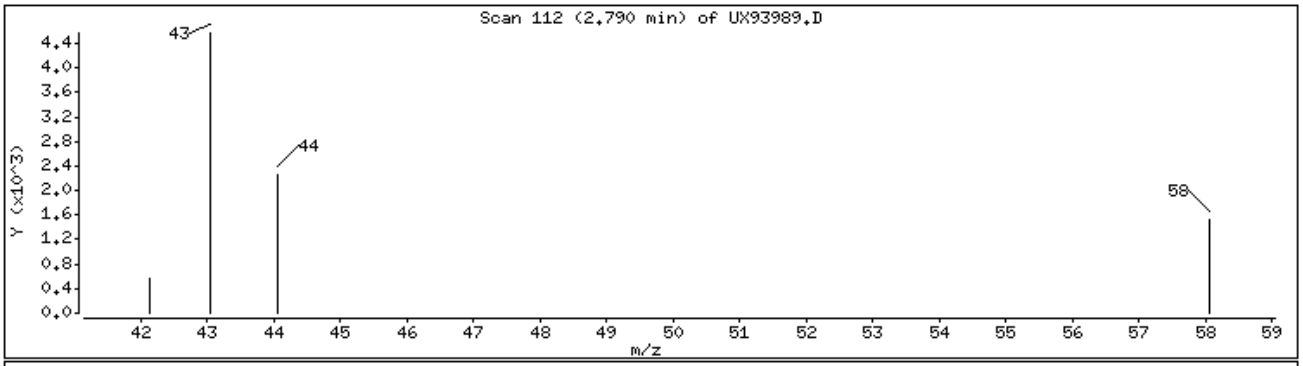
Client ID: GW-052605-JK-022 Instrument: a3ux9.i

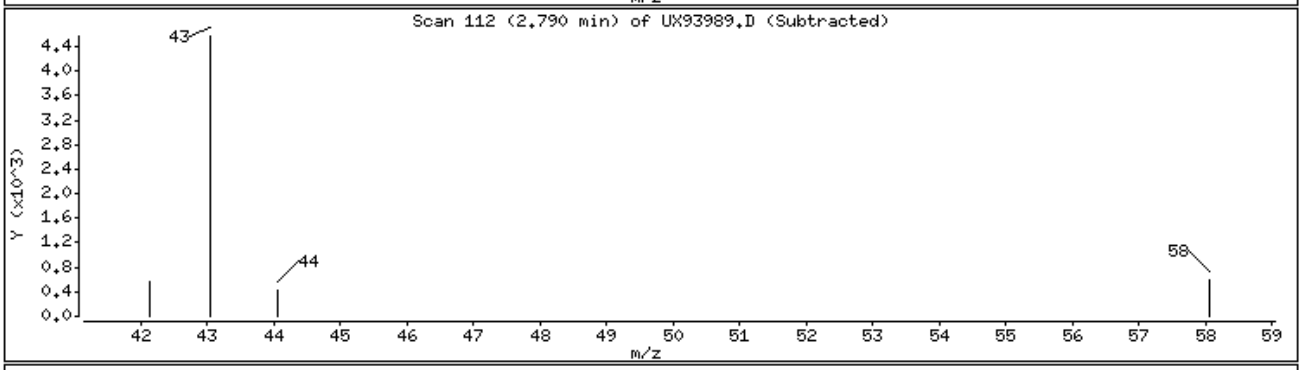
Sample Info: HCKEK1AA,5ML/5ML

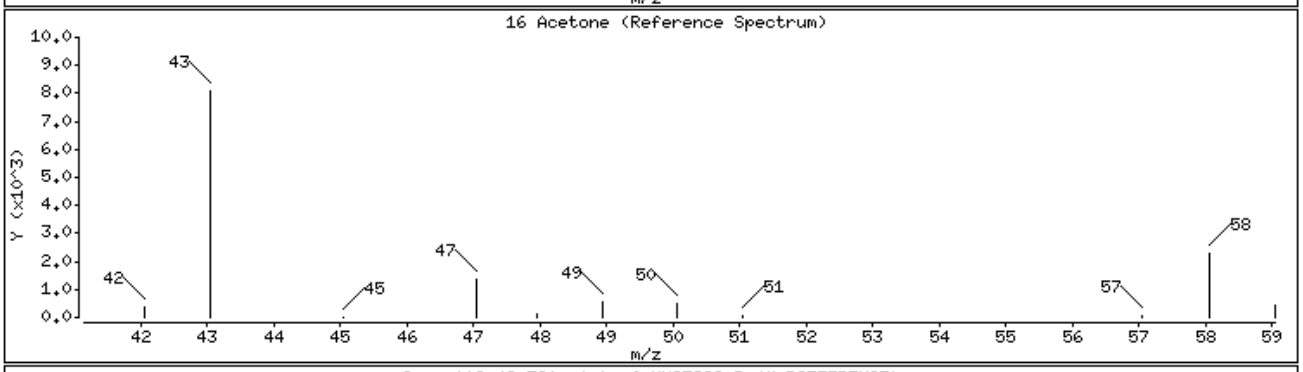
Purge Volume: 5.0 Operator: 1754

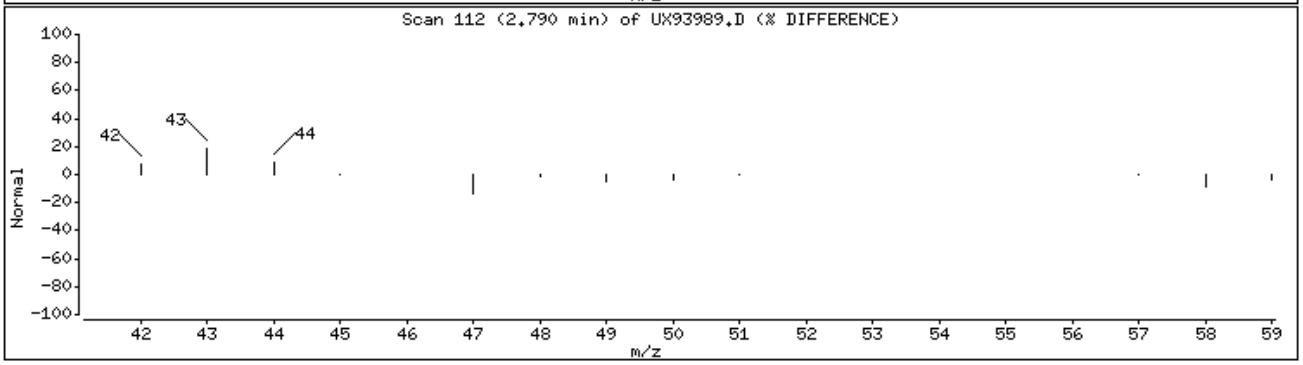
Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 1.847 ug/L









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Date : 09-JUN-2005 16:31

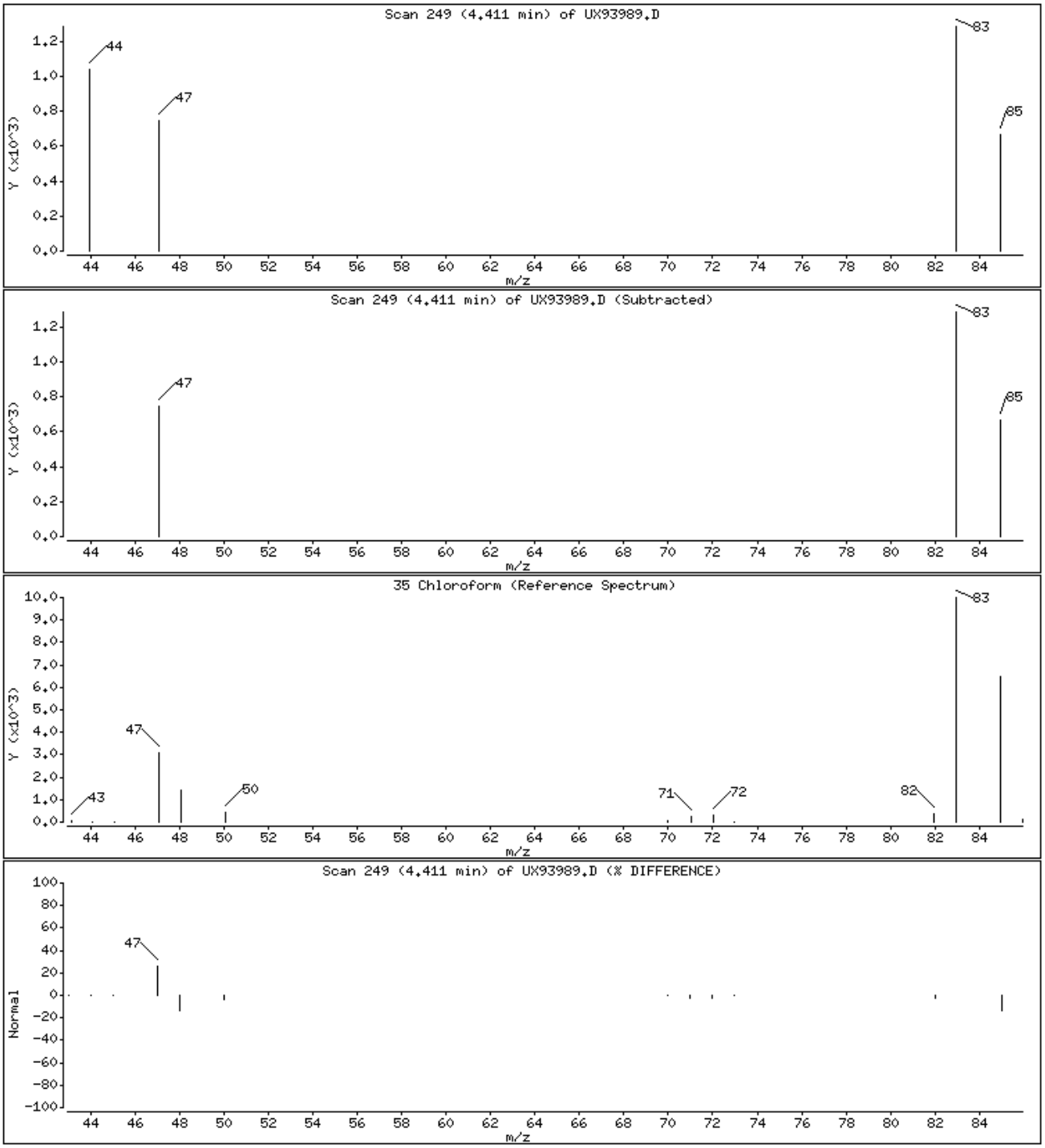
Client ID: GW-052605-JK-022 Instrument: a3ux9.i

Sample Info: HCKEK1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 Column diameter: 0.18

35 Chloroform Concentration: 0.1251 ug/L



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Date : 09-JUN-2005 16:31

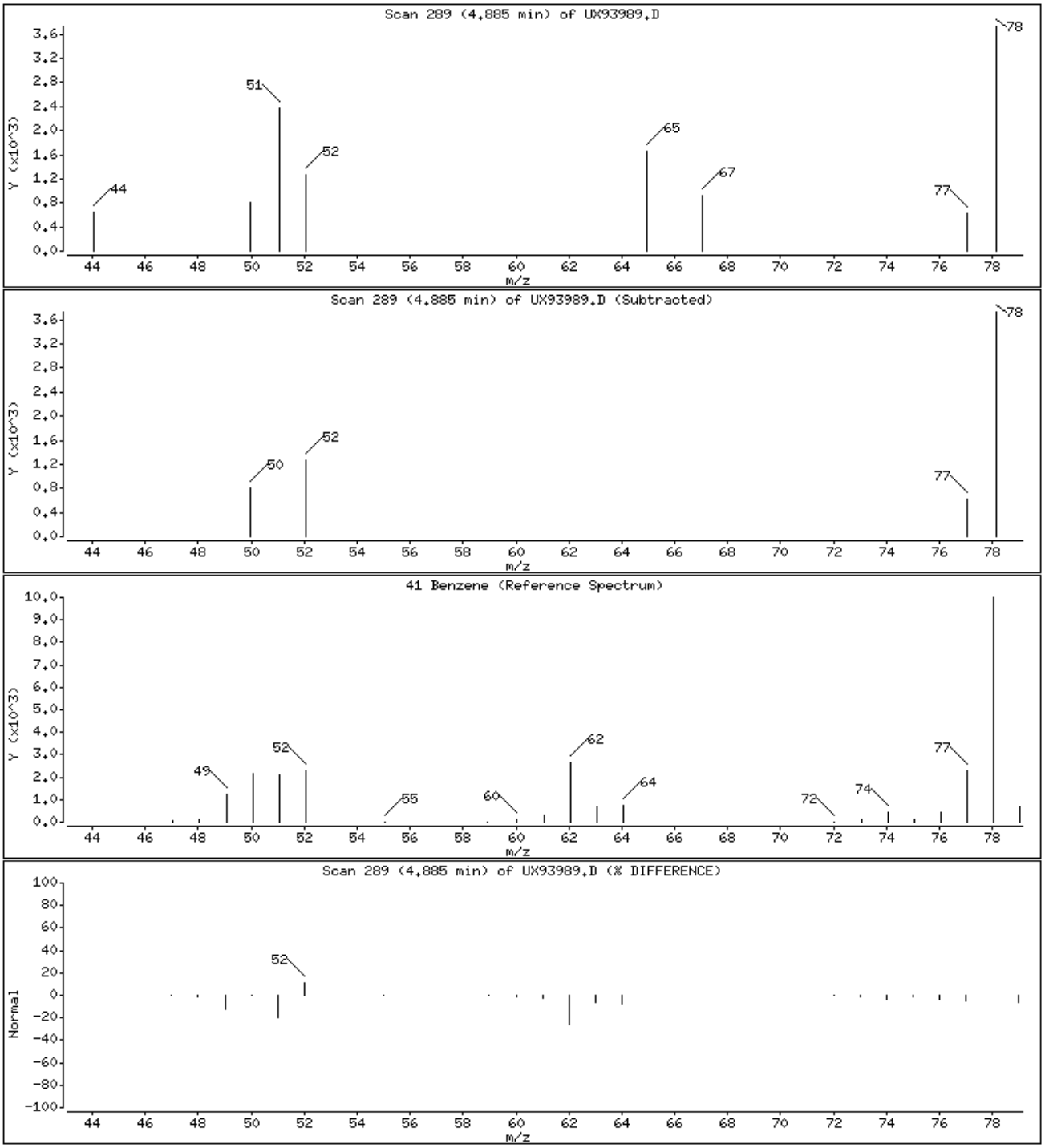
Client ID: GW-052605-JK-022 Instrument: a3ux9.i

Sample Info: HCKEK1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 0.1284 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93989.D

Date : 09-JUN-2005 16:31

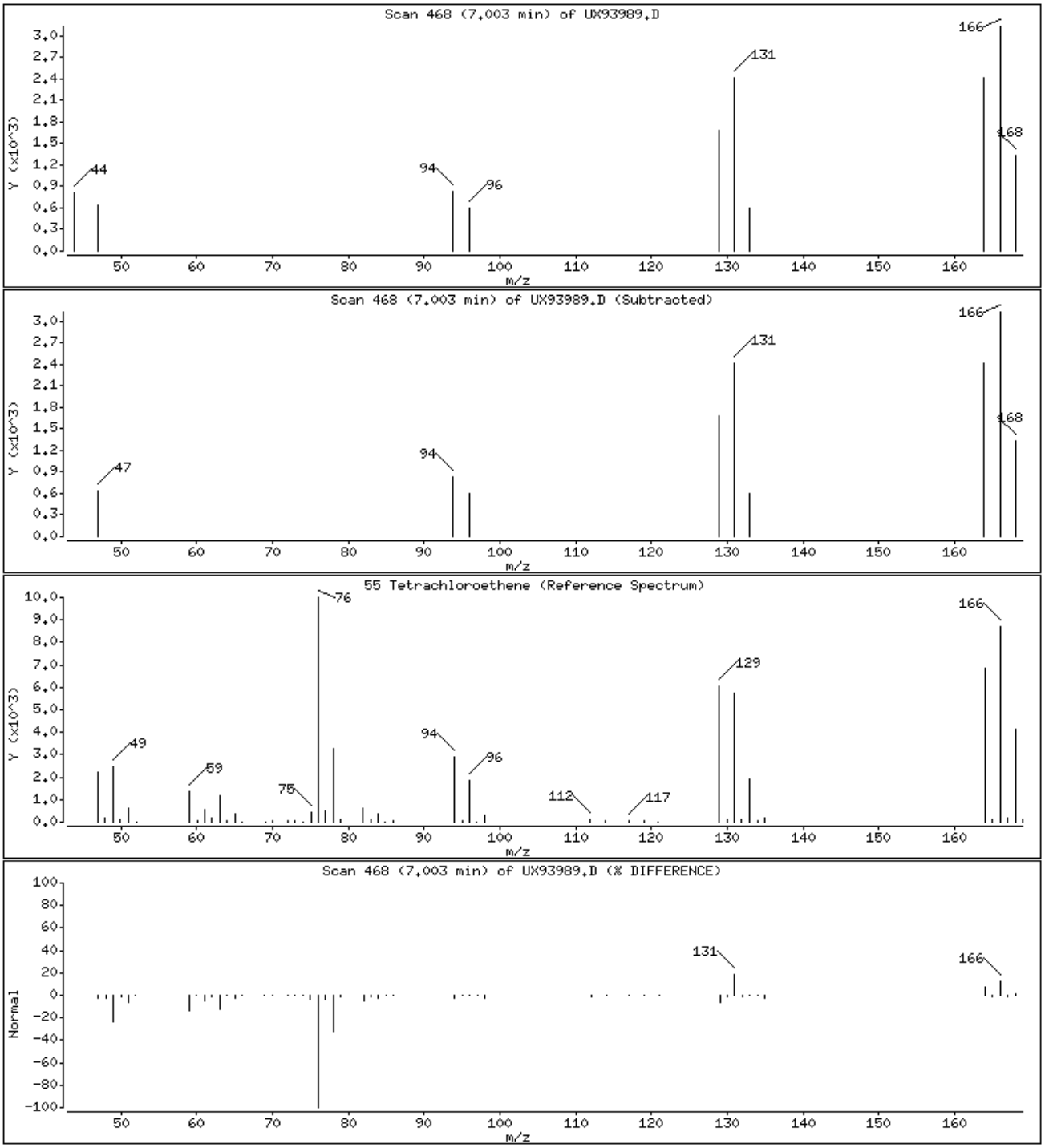
Client ID: GW-052605-JK-022 Instrument: a3ux9.i

Sample Info: HCKEK1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 0.3323 ug/L



Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052605-JK-023

GC/MS Volatiles

Lot-Sample #...: A5E280164-002 **Work Order #...:** HCKEL1AA **Matrix.....:** WG
Date Sampled...: 05/26/05 09:50 **Date Received..:** 05/28/05
Prep Date.....: 06/08/05 **Analysis Date..:** 06/08/05
Prep Batch #...: 5160173
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052605-JK-023

GC/MS Volatiles

Lot-Sample #...: A5E280164-002 **Work Order #...:** HCKEL1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**0.90 J**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	**0.71 J**	**1.0**	**ug/L**
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(73 - 122)
1,2-Dichloroethane-d4	103	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	77	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8924.D
Report Date: 09-Jun-2005 10:57

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8924.D
Lab Smp Id: HCKEL1AA Client Smp ID: GW-052605-JK-023
Inj Date : 08-JUN-2005 23:47
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HCKEL1AA,5ML/5ML
Misc Info : P50608B,8260LLUX10,1-8260GM.SUB,1904
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\8260LLUX10.m
Meth Date : 09-Jun-2005 10:51 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.009	5.008	(1.000)	1019248	50.0000	
* 2 Chlorobenzene-d5	117	7.660	7.659	(1.000)	744284	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.896	9.895	(1.000)	292155	50.0000	
$ 4 Dibromofluoromethane	113	4.441	4.440	(0.887)	233492	56.1158	11.223
$ 5 1,2-Dichloroethane-d4	65	4.725	4.724	(0.943)	261815	51.5288	10.306
$ 6 Toluene-d8	98	6.358	6.357	(0.830)	700214	48.3767	9.675
$ 7 Bromofluorobenzene	95	8.760	8.759	(1.144)	201608	38.2958	7.659
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.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					
24 Methyl tert-butyl ether	73	Compound Not Detected.					
25 trans-1,2-Dichloroethene	96	Compound Not Detected.					

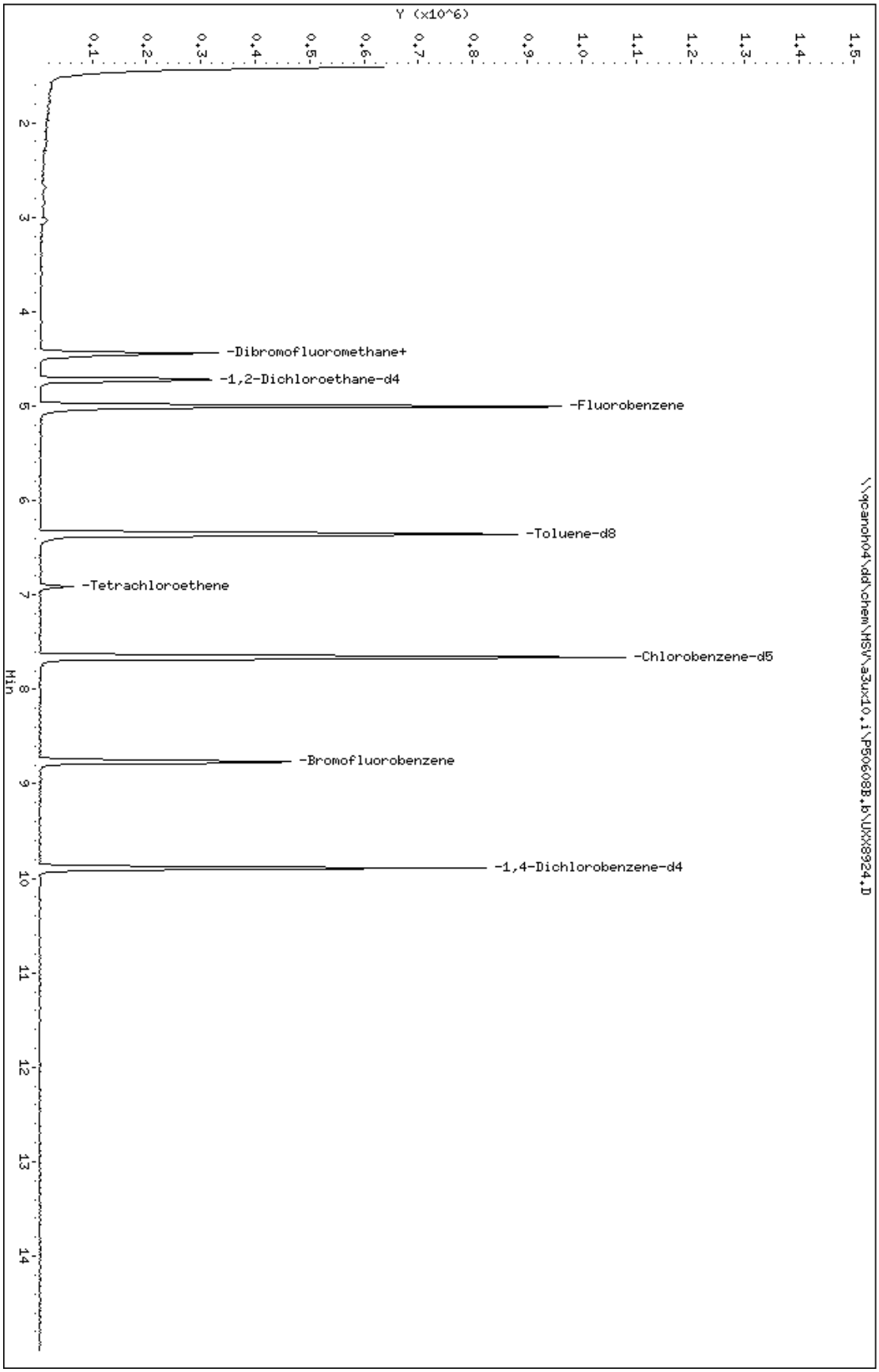
28	1,1-Dichloroethane	63	Compound Not Detected.
30	2-Butanone	43	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8924.D
Report Date: 09-Jun-2005 10:57

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
M 31	1,2-Dichloroethene (total)	96	Compound Not Detected.					
32	cis-1,2-dichloroethene	96	Compound Not Detected.					
35	Chloroform	83	Compound Not Detected.					
37	1,1,1-Trichloroethane	97	4.477	4.475	(0.894)	21120	3.57465	0.7149
39	Carbon Tetrachloride	117	Compound Not Detected.					
40	1,2-Dichloroethane	62	Compound Not Detected.					
41	Benzene	78	Compound Not Detected.					
42	Trichloroethene	130	Compound Not Detected.					
43	1,2-Dichloropropane	63	Compound Not Detected.					
46	Bromodichloromethane	83	Compound Not Detected.					
48	cis-1,3-Dichloropropene	75	Compound Not Detected.					
49	4-Methyl-2-pentanone	43	Compound Not Detected.					
50	Toluene	91	Compound Not Detected.					
51	trans-1,3-Dichloropropene	75	Compound Not Detected.					
53	1,1,2-Trichloroethane	97	Compound Not Detected.					
55	Tetrachloroethene	164	6.914	6.913	(0.903)	16359	4.50248	0.9005
56	2-Hexanone	43	Compound Not Detected.					
57	Dibromochloromethane	129	Compound Not Detected.					
58	1,2-Dibromoethane	107	Compound Not Detected.					
59	Chlorobenzene	112	Compound Not Detected.					
61	Ethylbenzene	106	Compound Not Detected.					
62	m + p-Xylene	106	Compound Not Detected.					
M 63	Xylenes (total)	106	Compound Not Detected.					
64	Xylene-o	106	Compound Not Detected.					
65	Styrene	104	Compound Not Detected.					
66	Bromoform	173	Compound Not Detected.					
67	Isopropylbenzene	105	Compound Not Detected.					
68	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P506608B.b\UXX8924.D
Date : 08-JUN-2005 23:47
Client ID: GW-052605-JK-023
Sample Info: HCXEL1AA,5ML/5ML
Purge Volume: 5.0
Column Phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8924.D

Date : 08-JUN-2005 23:47

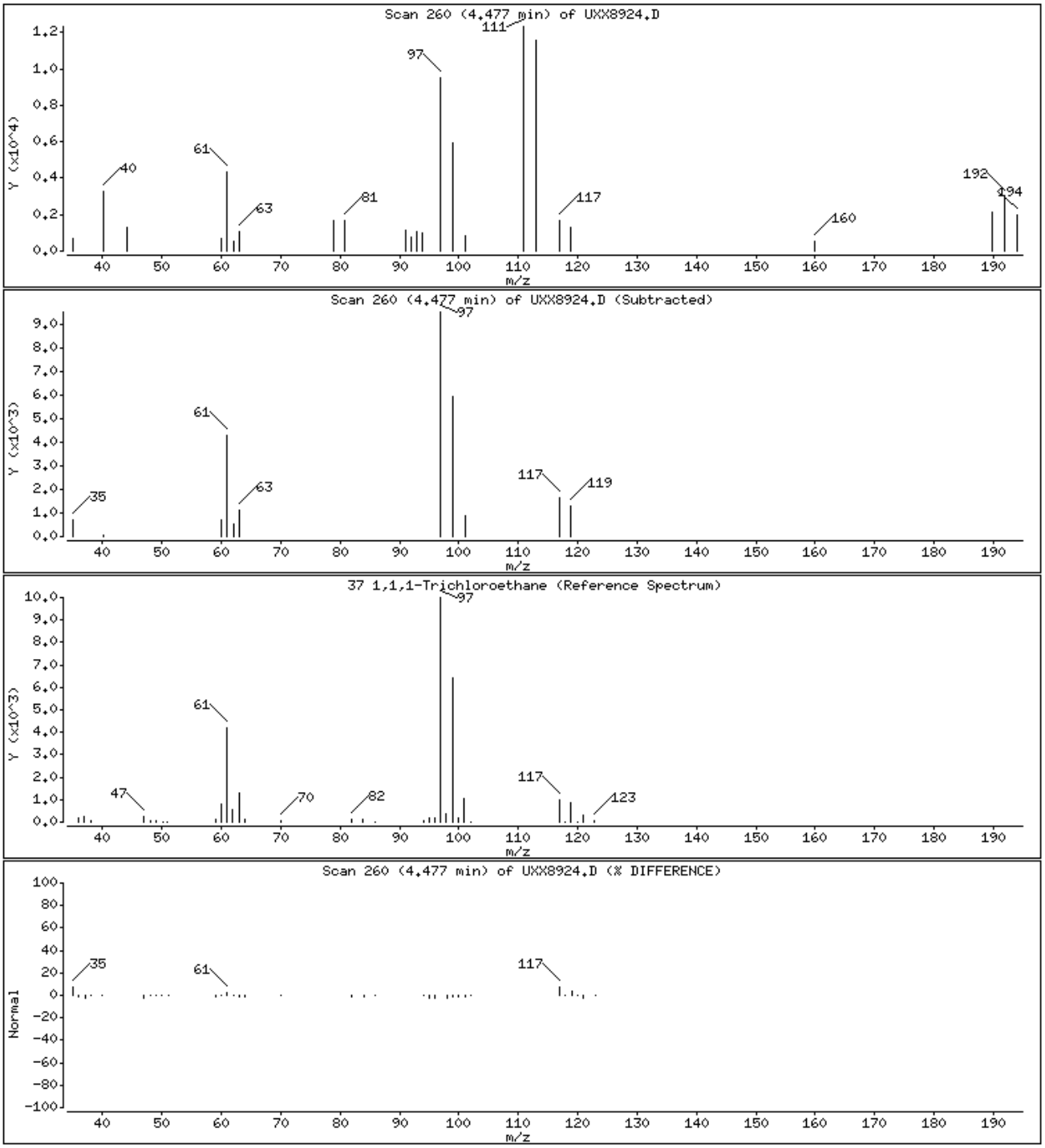
Client ID: GW-052605-JK-023 Instrument: a3ux10.i

Sample Info: HCKEL1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

37 1,1,1-Trichloroethane Concentration: 0.7149 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8924.D

Date : 08-JUN-2005 23:47

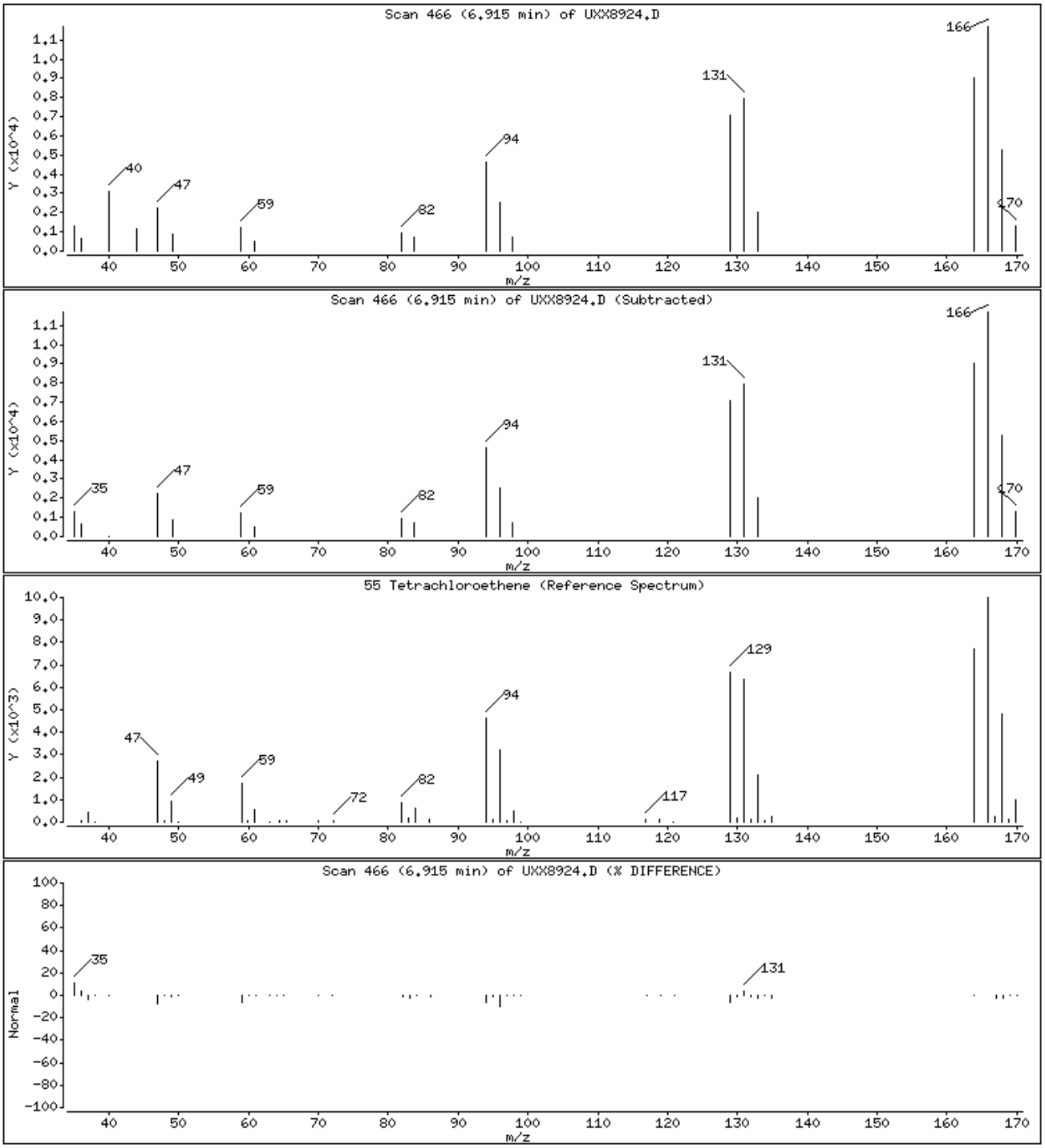
Client ID: GW-052605-JK-023 Instrument: a3ux10.i

Sample Info: HCKEL1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 0.9005 ug/L



Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052605-JK-024

GC/MS Volatiles

Lot-Sample #...: A5E280164-003 **Work Order #...:** HCKEM1AA **Matrix.....:** WG
Date Sampled...: 05/26/05 11:55 **Date Received..:** 05/28/05
Prep Date.....: 06/09/05 **Analysis Date..:** 06/09/05
Prep Batch #...: 5160173
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	**0.62 J**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052605-JK-024

GC/MS Volatiles

Lot-Sample #...: A5E280164-003 **Work Order #...:** HCKEM1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**0.29 J**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	**1.8**	**1.0**	**ug/L**
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**4.6**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	75	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8925.D
Report Date: 09-Jun-2005 10:57

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8925.D
Lab Smp Id: HCKEM1AA Client Smp ID: GW-052605-JK-024
Inj Date : 09-JUN-2005 00:12
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HCKEM1AA,5ML/5ML
Misc Info : P50608B,8260LLUX10,1-8260GM.SUB,1904
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\8260LLUX10.m
Meth Date : 09-Jun-2005 10:51 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	4.997	5.008	(1.000)	977699	50.0000	
* 2 Chlorobenzene-d5	117	7.659	7.659	(1.000)	710684	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.896	9.895	(1.000)	256946	50.0000	
$ 4 Dibromofluoromethane	113	4.441	4.440	(0.889)	223976	56.1163	11.223
$ 5 1,2-Dichloroethane-d4	65	4.713	4.724	(0.943)	255014	52.3232	10.465
$ 6 Toluene-d8	98	6.358	6.357	(0.830)	665577	48.1577	9.632
$ 7 Bromofluorobenzene	95	8.760	8.759	(1.144)	188296	37.4582	7.492
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.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					
24 Methyl tert-butyl ether	73	Compound Not Detected.					
25 trans-1,2-Dichloroethene	96	Compound Not Detected.					

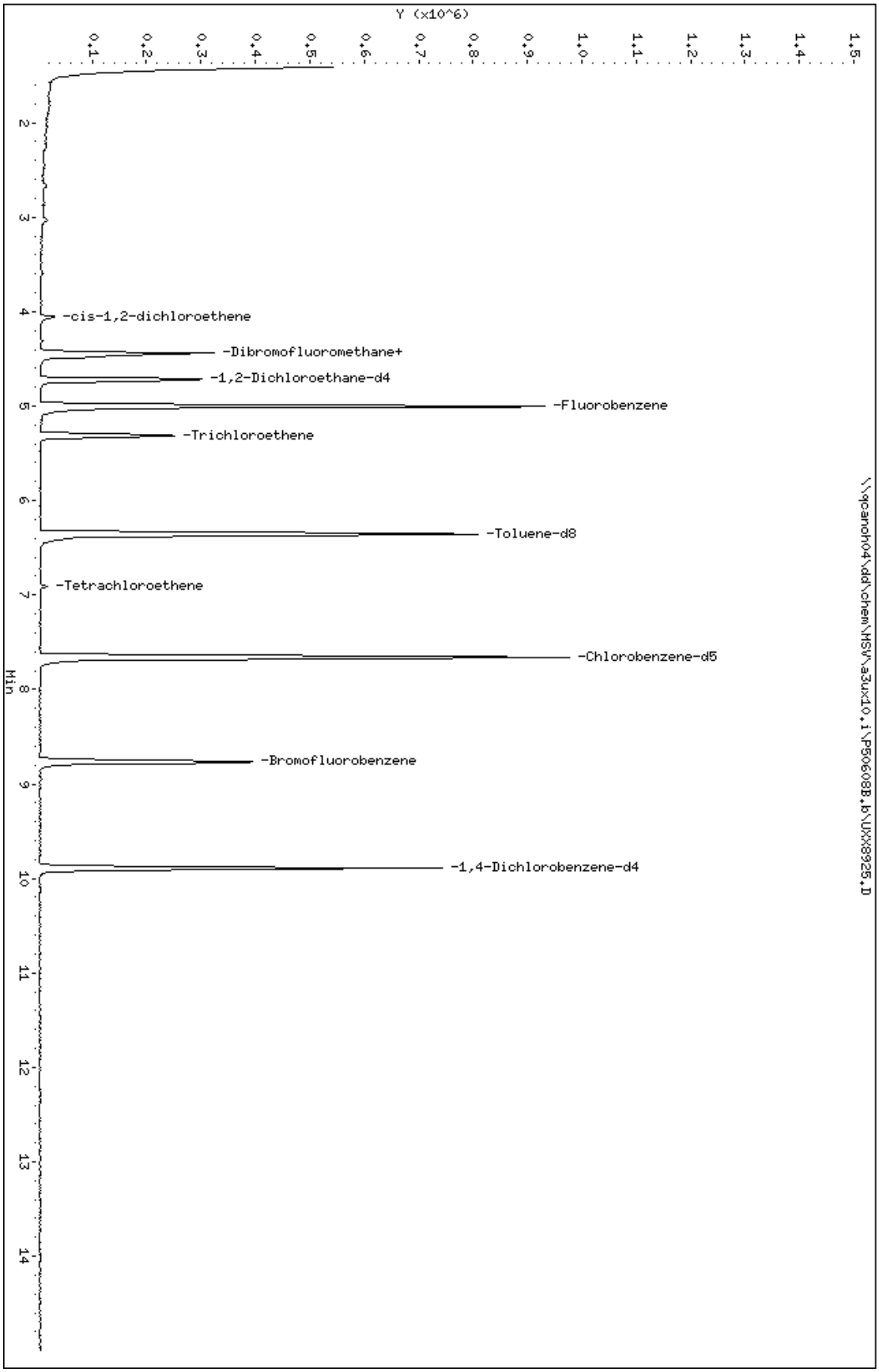
28	1,1-Dichloroethane	63	Compound Not Detected.
30	2-Butanone	43	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8925.D
Report Date: 09-Jun-2005 10:57

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
M 31	1,2-Dichloroethene (total)	96				13820	3.10312	0.6206
32	cis-1,2-dichloroethene	96	4.050	4.061	(0.811)	13820	3.10312	0.6206
35	Chloroform	83	Compound Not Detected.					
37	1,1,1-Trichloroethane	97	4.476	4.475	(0.896)	51091	9.01484	1.803
39	Carbon Tetrachloride	117	Compound Not Detected.					
40	1,2-Dichloroethane	62	Compound Not Detected.					
41	Benzene	78	Compound Not Detected.					
42	Trichloroethene	130	5.316	5.316	(1.064)	102885	23.0065	4.601
43	1,2-Dichloropropane	63	Compound Not Detected.					
46	Bromodichloromethane	83	Compound Not Detected.					
48	cis-1,3-Dichloropropene	75	Compound Not Detected.					
49	4-Methyl-2-pentanone	43	Compound Not Detected.					
50	Toluene	91	Compound Not Detected.					
51	trans-1,3-Dichloropropene	75	Compound Not Detected.					
53	1,1,2-Trichloroethane	97	Compound Not Detected.					
55	Tetrachloroethene	164	6.914	6.913	(0.903)	5111	1.47320	0.2946
56	2-Hexanone	43	Compound Not Detected.					
57	Dibromochloromethane	129	Compound Not Detected.					
58	1,2-Dibromoethane	107	Compound Not Detected.					
59	Chlorobenzene	112	Compound Not Detected.					
61	Ethylbenzene	106	Compound Not Detected.					
62	m + p-Xylene	106	Compound Not Detected.					
M 63	Xylenes (total)	106	Compound Not Detected.					
64	Xylene-o	106	Compound Not Detected.					
65	Styrene	104	Compound Not Detected.					
66	Bromoform	173	Compound Not Detected.					
67	Isopropylbenzene	105	Compound Not Detected.					
68	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P506608B.b\UXX8925.D
Date : 09-JUN-2005 00:12
Client ID: GW-052605-JK-024
Sample Info: HCXEM1AA,5ML/5ML
Purge Volume: 5.0
Column Phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



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Date : 09-JUN-2005 00:12

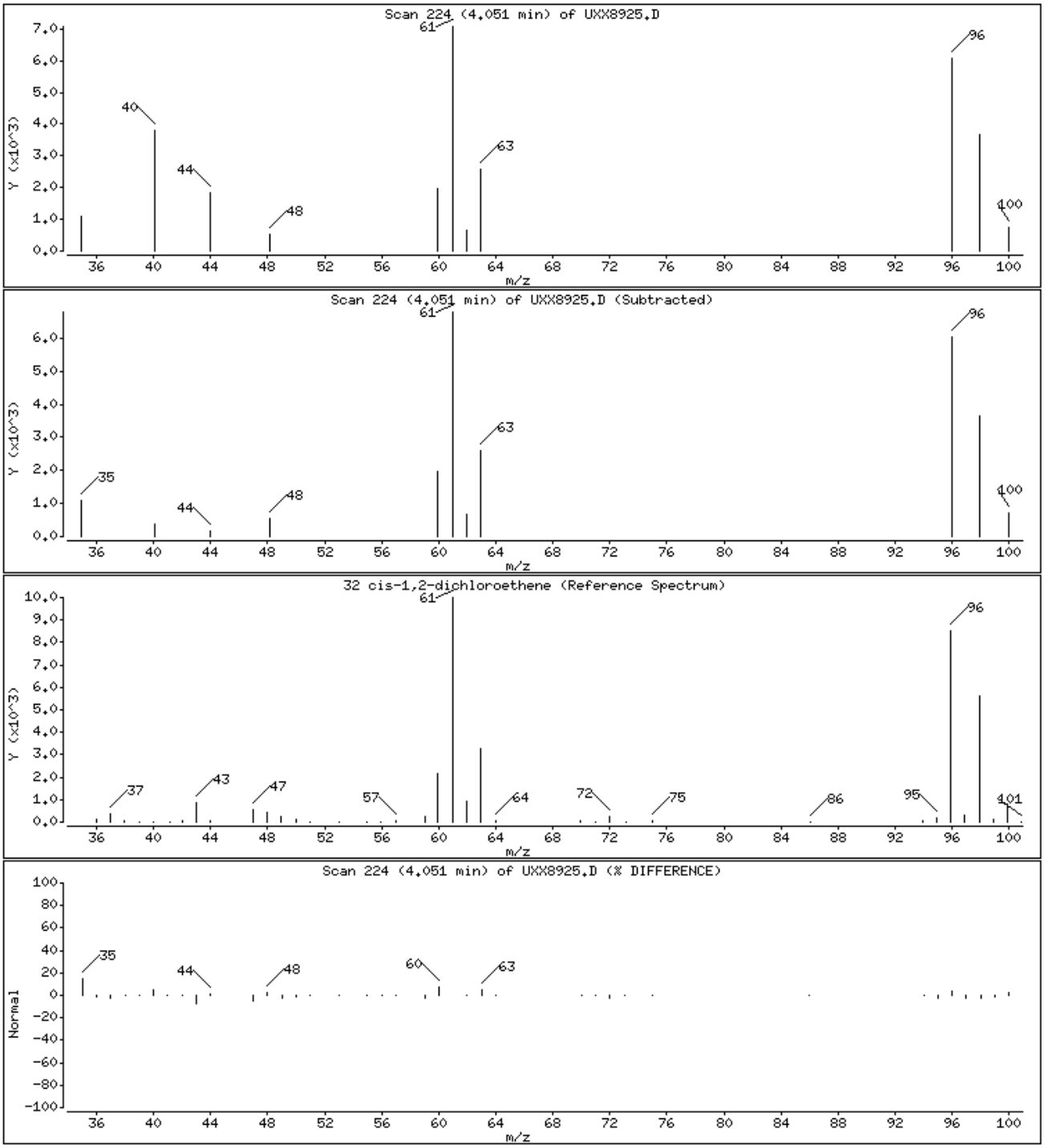
Client ID: GW-052605-JK-024 Instrument: a3ux10.i

Sample Info: HCKEM1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 0.6206 ug/L



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Date : 09-JUN-2005 00:12

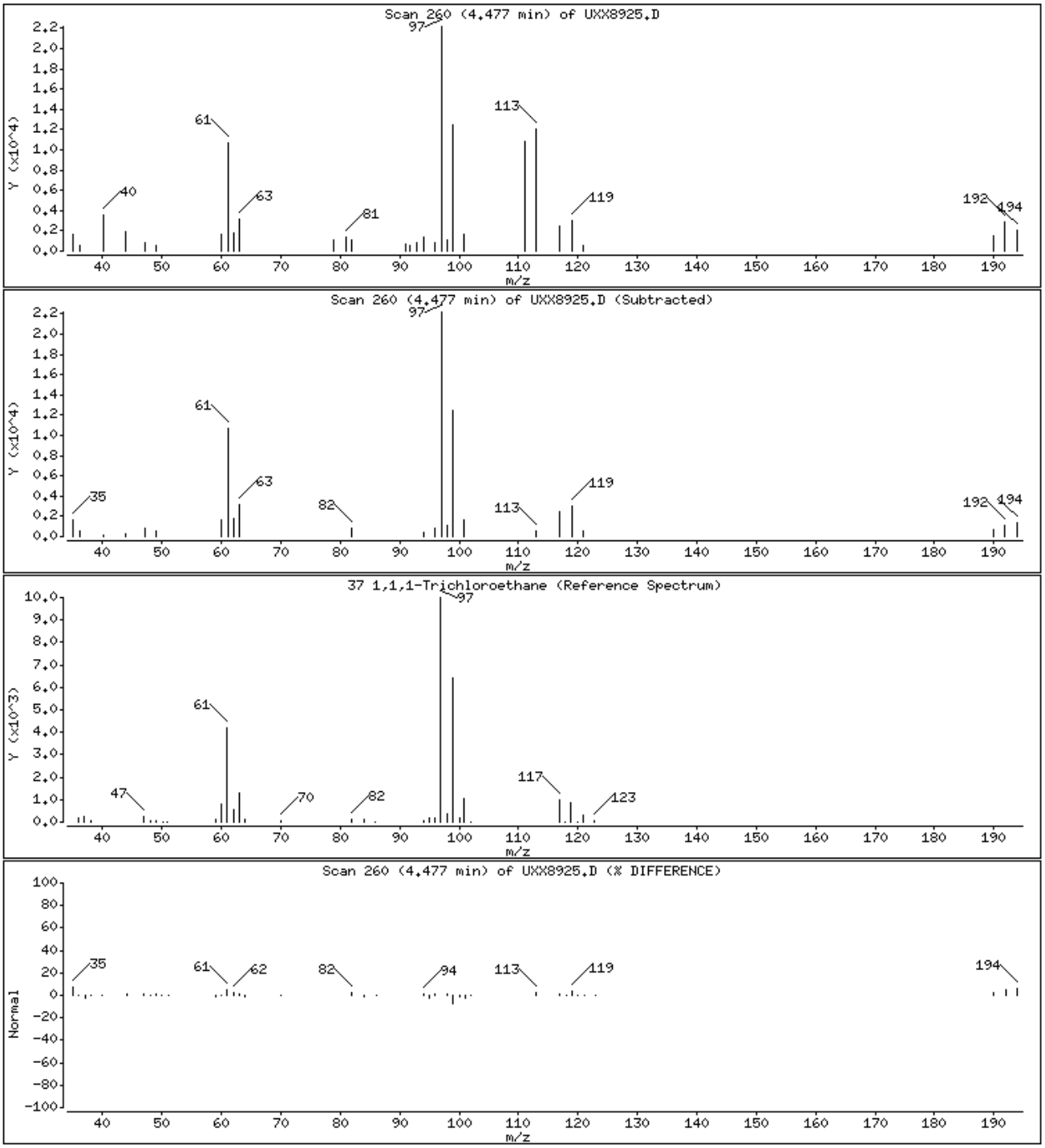
Client ID: GW-052605-JK-024 Instrument: a3ux10.i

Sample Info: HCKEM1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

37 1,1,1-Trichloroethane Concentration: 1.803 ug/L



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Date : 09-JUN-2005 00:12

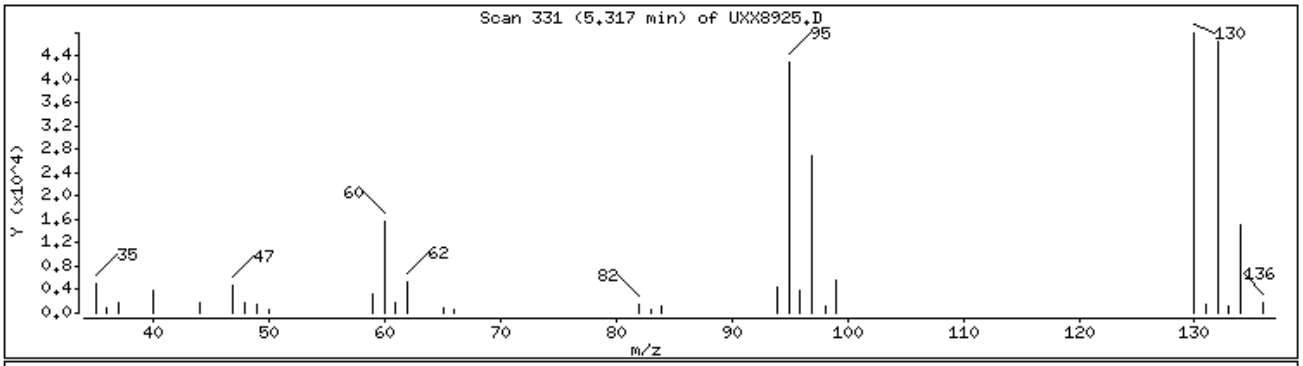
Client ID: GW-052605-JK-024 Instrument: a3ux10.i

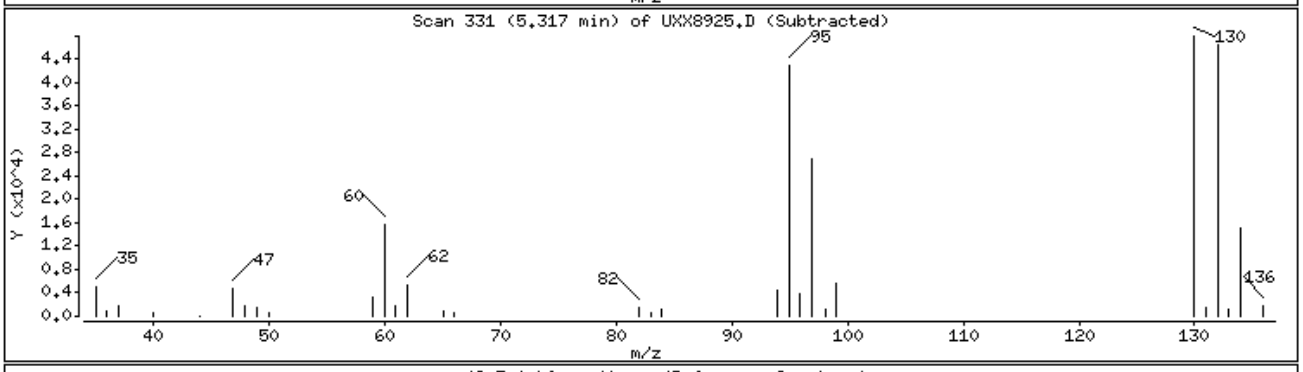
Sample Info: HCKEM1AA,5ML/5ML

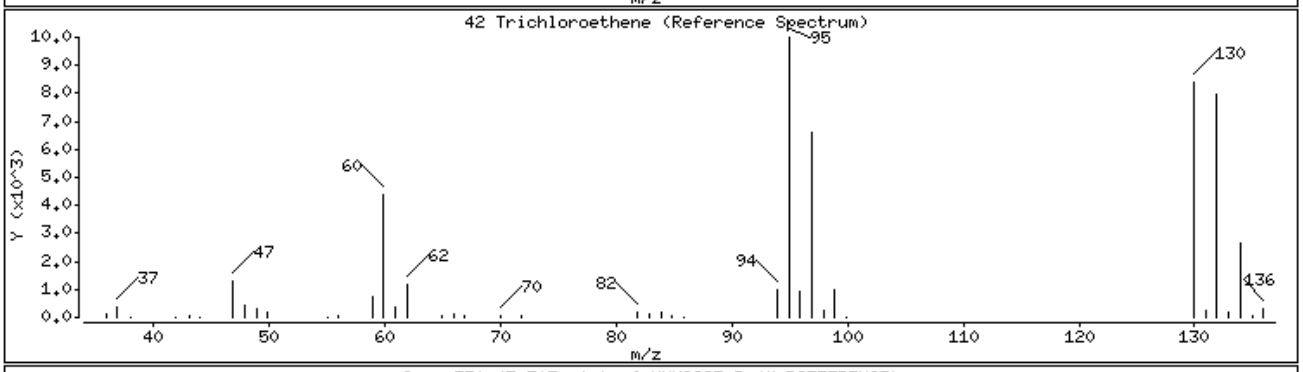
Purge Volume: 5.0 Operator: 1904

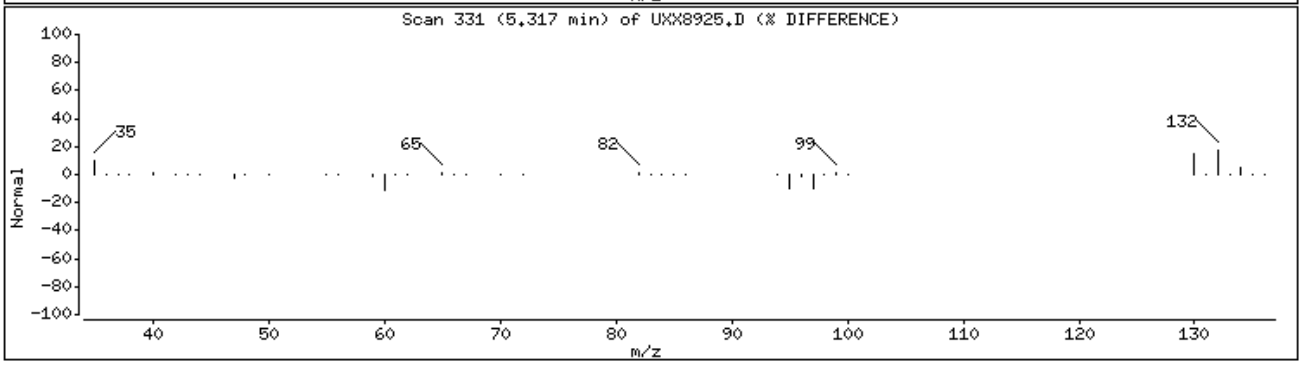
Column phase: DB624 Column diameter: 0.18

42 Trichloroethene Concentration: 4.601 ug/L









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Date : 09-JUN-2005 00:12

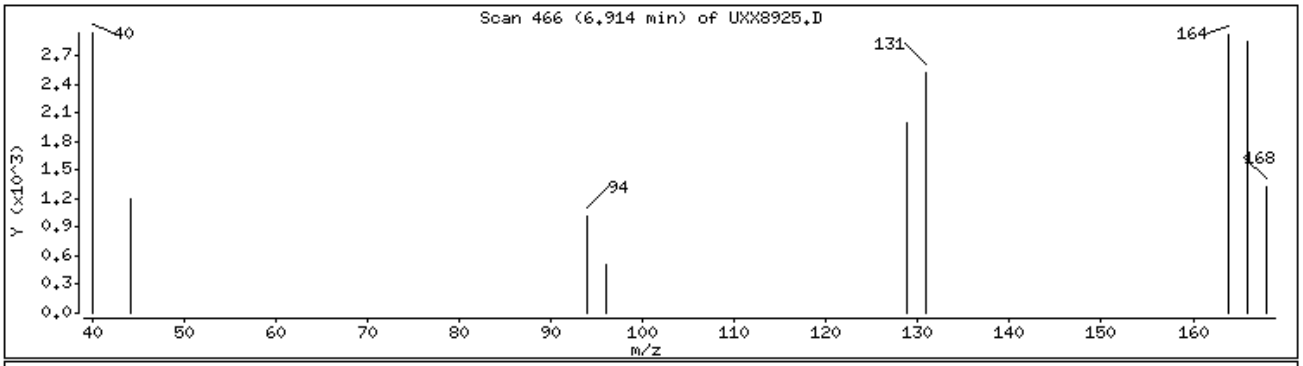
Client ID: GW-052605-JK-024 Instrument: a3ux10.i

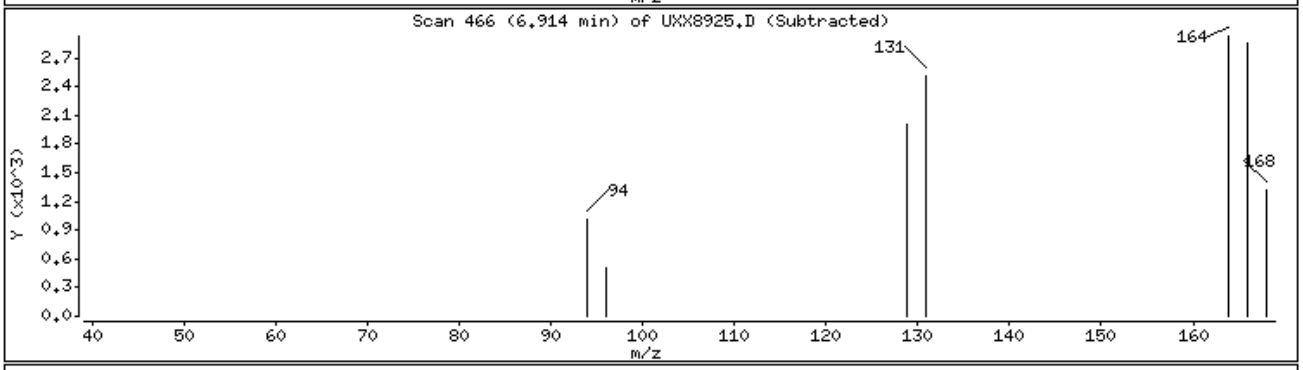
Sample Info: HCKEM1AA,5ML/5ML

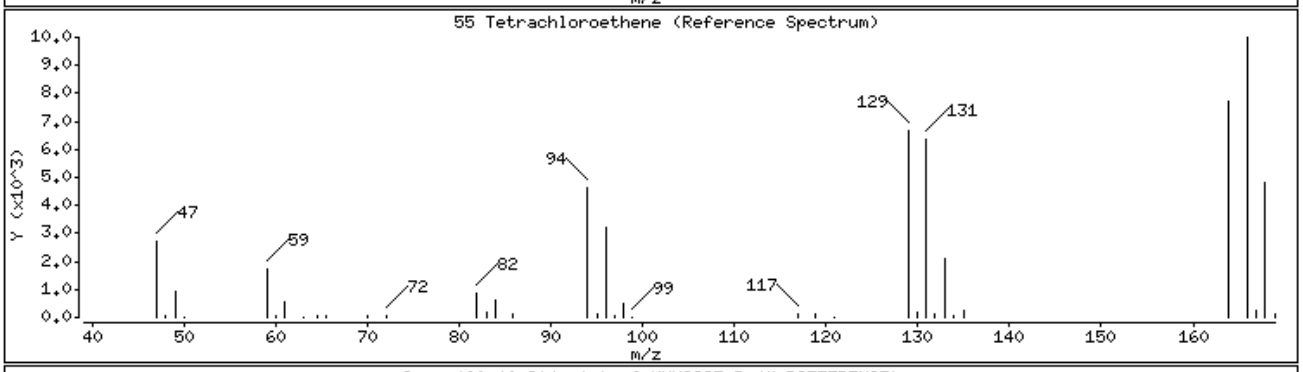
Purge Volume: 5.0 Operator: 1904

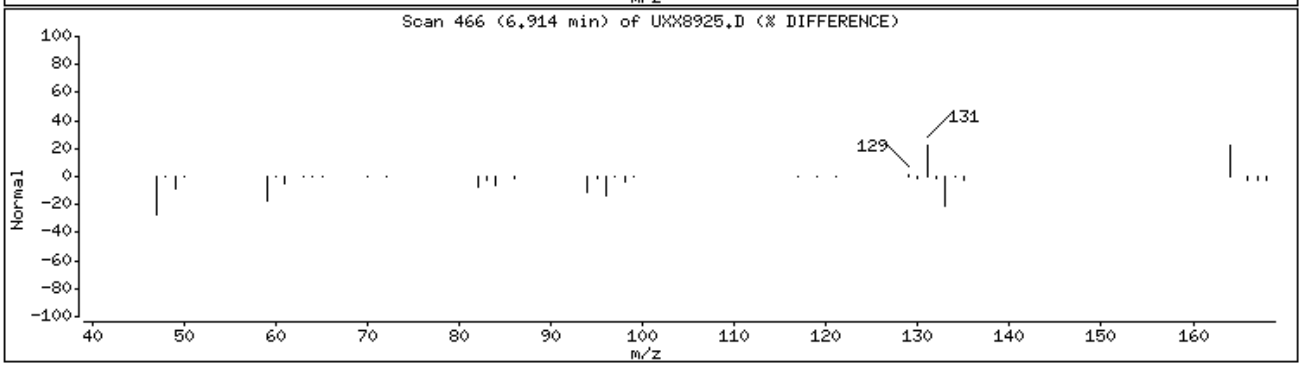
Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 0.2946 ug/L









Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052605-JK-025

GC/MS Volatiles

Lot-Sample #...: A5E280164-004 **Work Order #...:** HCKEN1AA **Matrix.....:** WG
Date Sampled...: 05/26/05 12:15 **Date Received..:** 05/28/05
Prep Date.....: 06/09/05 **Analysis Date..:** 06/09/05
Prep Batch #...: 5160173
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	**0.65 J**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052605-JK-025

GC/MS Volatiles

Lot-Sample #...: A5E280164-004 **Work Order #...:** HCKEN1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**0.25 J**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	**1.8**	**1.0**	**ug/L**
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**4.8**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	110	(73 - 122)
1,2-Dichloroethane-d4	109	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	76	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8926.D
Report Date: 09-Jun-2005 10:58

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8926.D
Lab Smp Id: HCKEN1AA Client Smp ID: GW-052605-JK-025
Inj Date : 09-JUN-2005 00:37
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HCKEN1AA,5ML/5ML
Misc Info : P50608B,8260LLUX10,1-8260GM.SUB,1904
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\8260LLUX10.m
Meth Date : 09-Jun-2005 10:51 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.006	5.008	(1.000)	990304	50.0000	
* 2 Chlorobenzene-d5	117	7.657	7.659	(1.000)	724760	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.893	9.895	(1.000)	276015	50.0000	
$ 4 Dibromofluoromethane	113	4.438	4.440	(0.887)	223255	55.2237	11.045
$ 5 1,2-Dichloroethane-d4	65	4.722	4.724	(0.943)	269201	54.5310	10.906
$ 6 Toluene-d8	98	6.355	6.357	(0.830)	684066	48.5342	9.707
$ 7 Bromofluorobenzene	95	8.769	8.759	(1.145)	193620	37.7692	7.554
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.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					
24 Methyl tert-butyl ether	73	Compound Not Detected.					
25 trans-1,2-Dichloroethene	96	Compound Not Detected.					

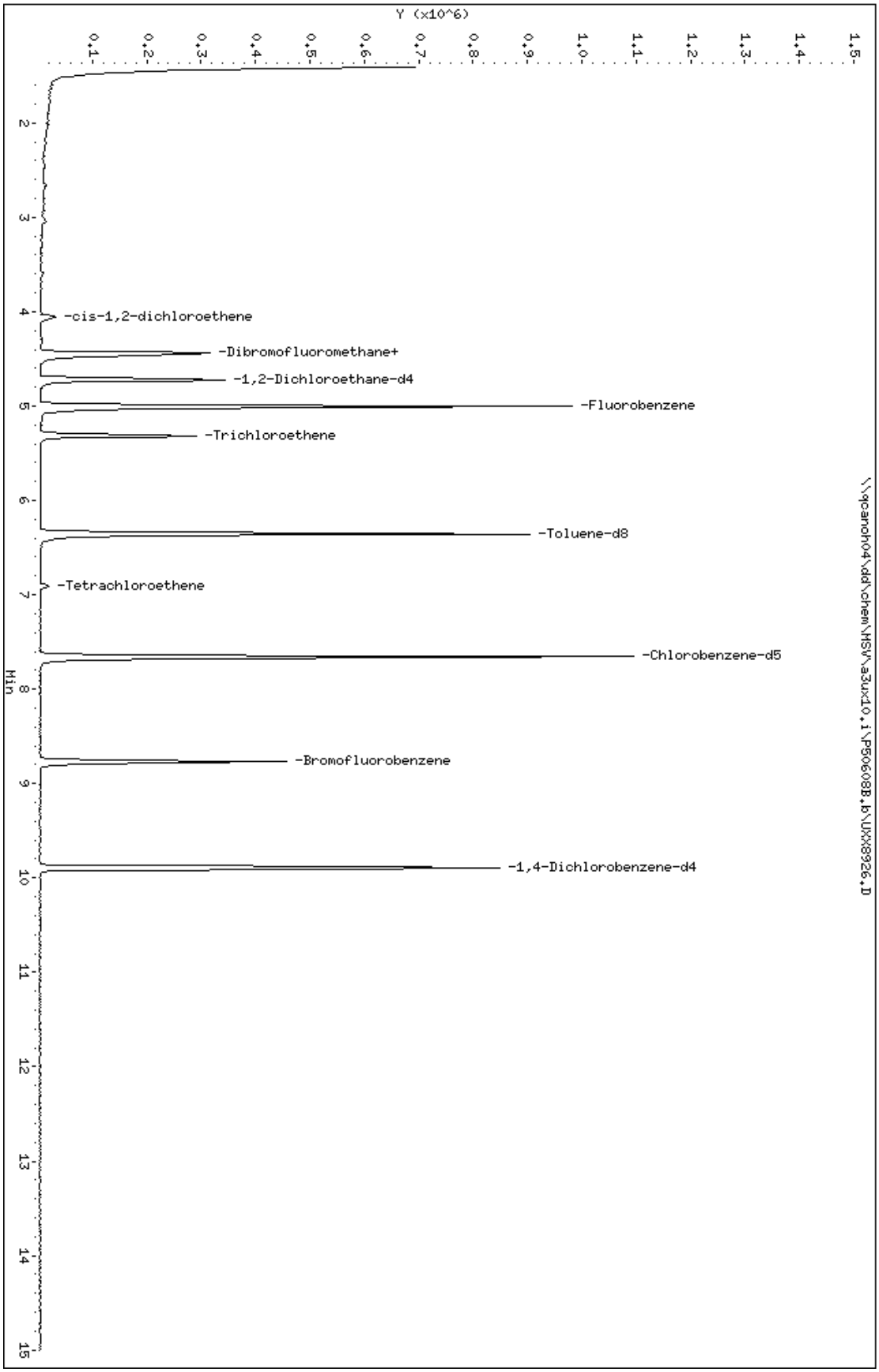
28	1,1-Dichloroethane	63	Compound Not Detected.
30	2-Butanone	43	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8926.D
Report Date: 09-Jun-2005 10:58

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
M 31 1,2-Dichloroethene (total)	96				14550	3.22544	0.6451
32 cis-1,2-dichloroethene	96	4.060	4.061	(0.811)	14550	3.22544	0.6451
35 Chloroform	83	Compound Not Detected.					
37 1,1,1-Trichloroethane	97	4.474	4.475	(0.894)	50918	8.86996	1.774
39 Carbon Tetrachloride	117	Compound Not Detected.					
40 1,2-Dichloroethane	62	Compound Not Detected.					
41 Benzene	78	Compound Not Detected.					
42 Trichloroethene	130	5.314	5.316	(1.061)	108081	23.8608	4.772
43 1,2-Dichloropropane	63	Compound Not Detected.					
46 Bromodichloromethane	83	Compound Not Detected.					
48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
49 4-Methyl-2-pentanone	43	Compound Not Detected.					
50 Toluene	91	Compound Not Detected.					
51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
53 1,1,2-Trichloroethane	97	Compound Not Detected.					
55 Tetrachloroethene	164	6.911	6.913	(0.903)	4494	1.27020	0.2540
56 2-Hexanone	43	Compound Not Detected.					
57 Dibromochloromethane	129	Compound Not Detected.					
58 1,2-Dibromoethane	107	Compound Not Detected.					
59 Chlorobenzene	112	Compound Not Detected.					
61 Ethylbenzene	106	Compound Not Detected.					
62 m + p-Xylene	106	Compound Not Detected.					
M 63 Xylenes (total)	106	Compound Not Detected.					
64 Xylene-o	106	Compound Not Detected.					
65 Styrene	104	Compound Not Detected.					
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P506608B.b\UXX8926.D
Date : 09-JUN-2005 00:37
Client ID: GW-052605-JK-025
Sample Info: HCXEN1AA,5ML/5ML
Purge Volume: 5.0
Column Phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



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Date : 09-JUN-2005 00:37

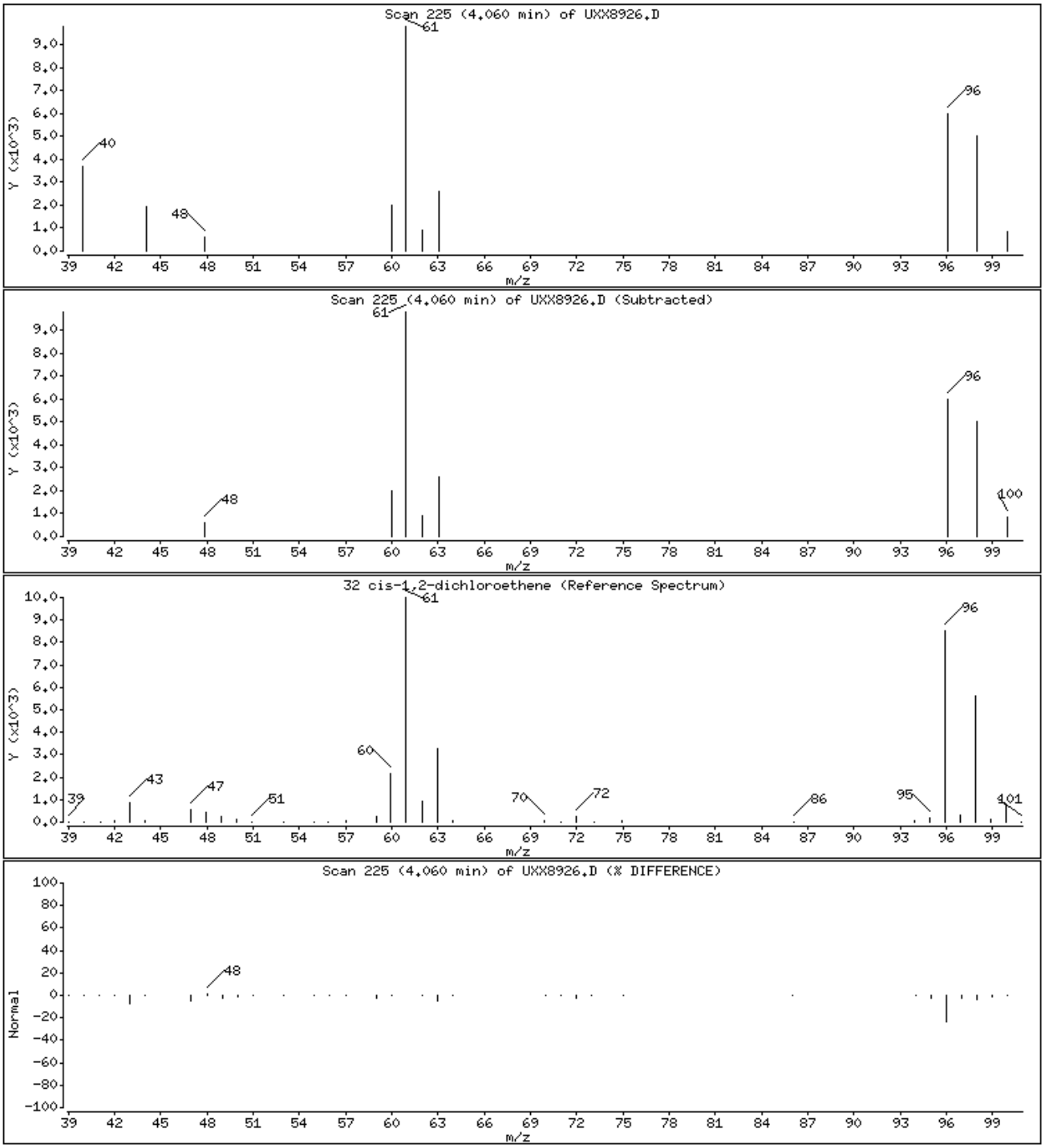
Client ID: GW-052605-JK-025 Instrument: a3ux10.i

Sample Info: HCKEN1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 0.6451 ug/L



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Date : 09-JUN-2005 00:37

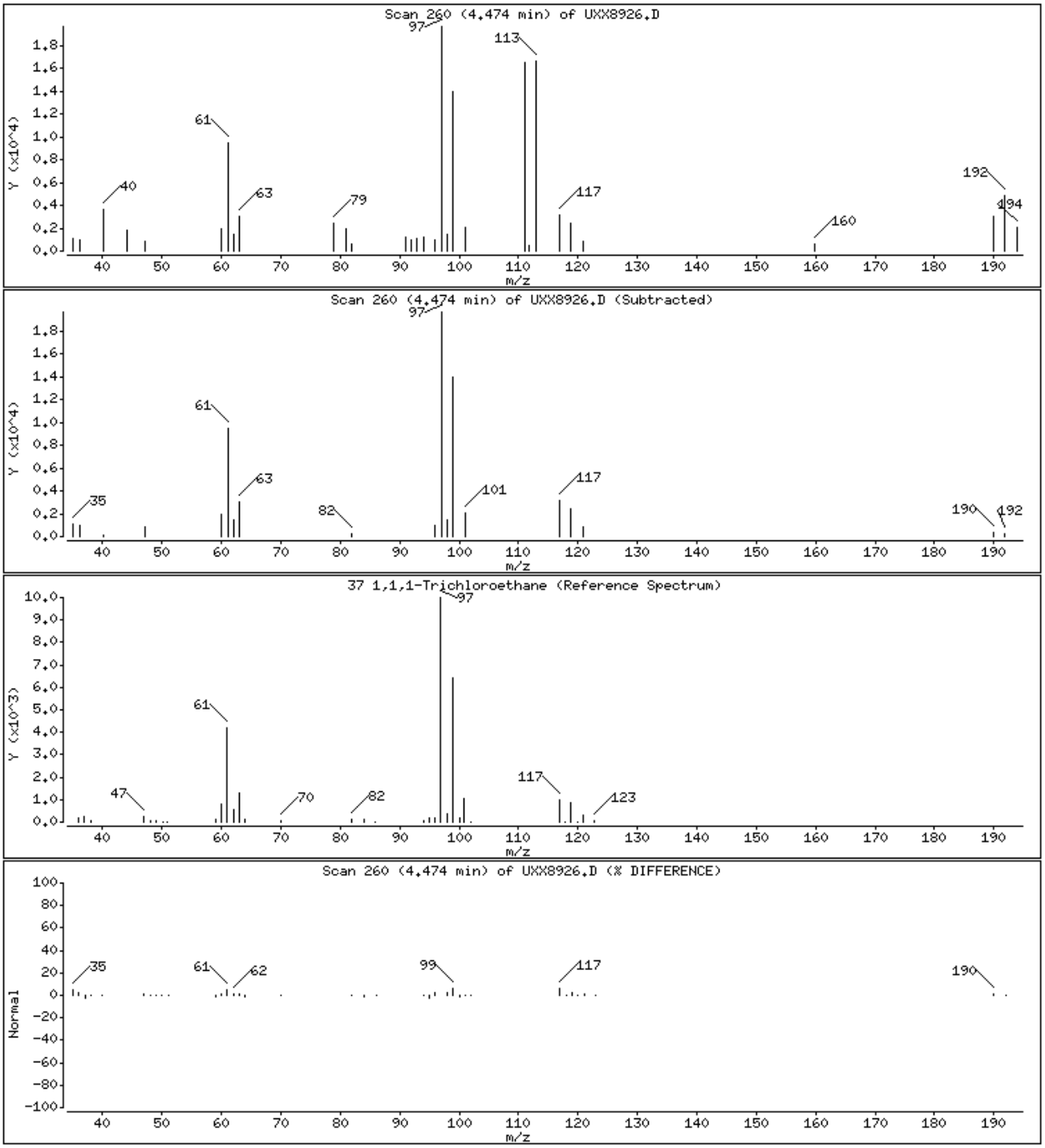
Client ID: GW-052605-JK-025 Instrument: a3ux10.i

Sample Info: HCKEN1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

37 1,1,1-Trichloroethane Concentration: 1.774 ug/L



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Date : 09-JUN-2005 00:37

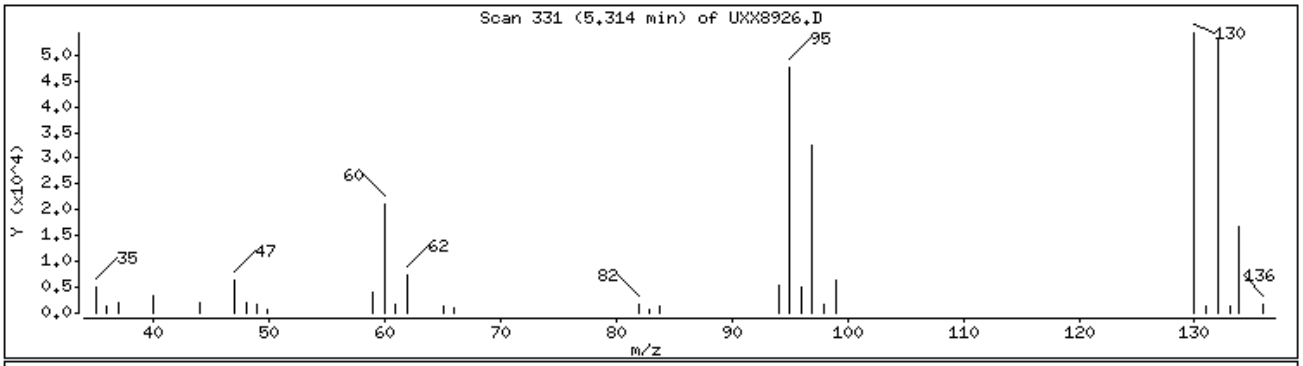
Client ID: GW-052605-JK-025 Instrument: a3ux10.i

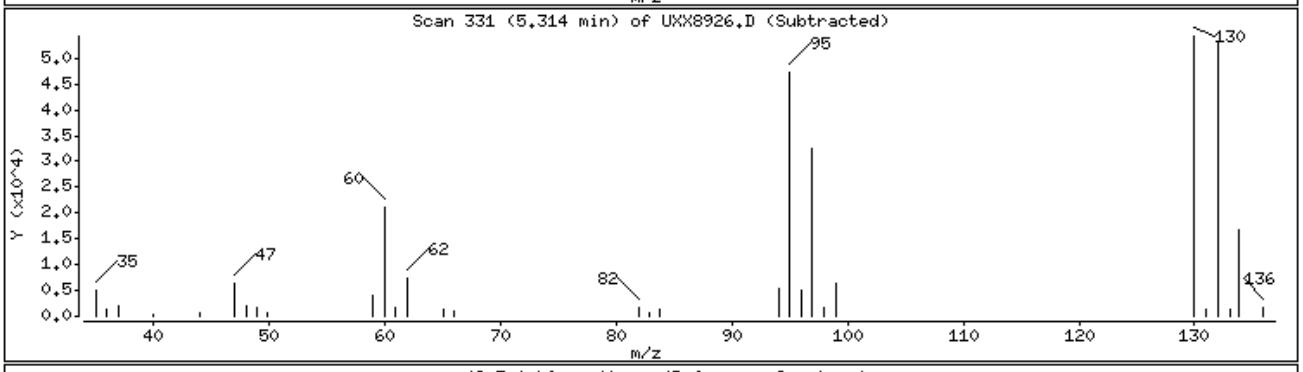
Sample Info: HCKEN1AA,5ML/5ML

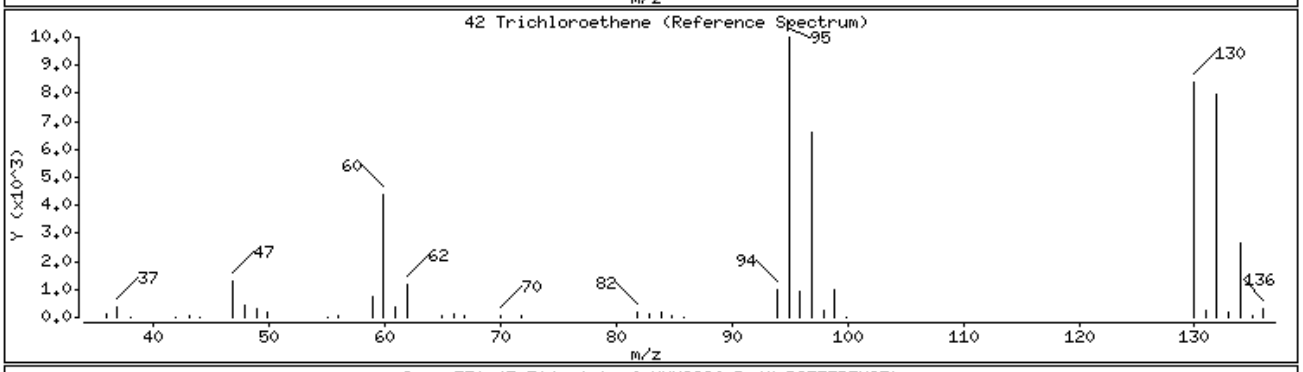
Purge Volume: 5.0 Operator: 1904

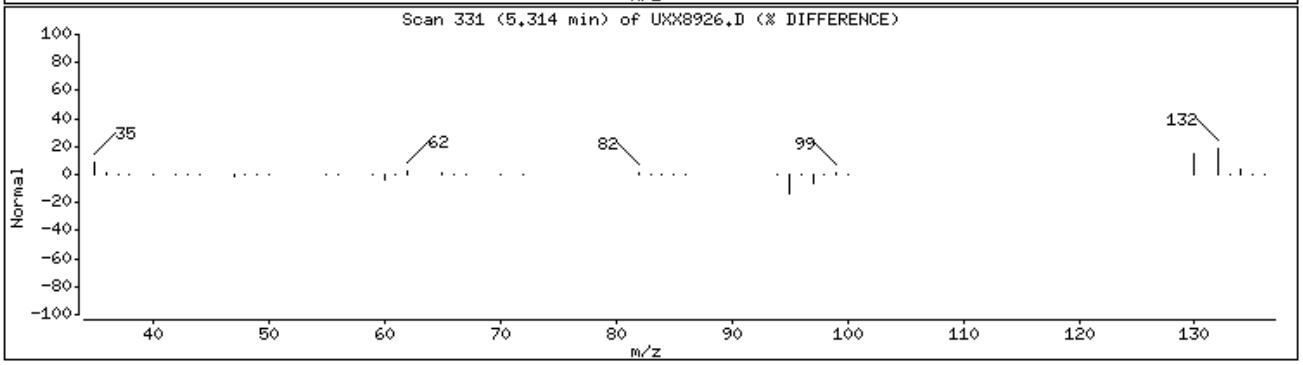
Column phase: DB624 Column diameter: 0.18

42 Trichloroethene Concentration: 4.772 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8926.D

Date : 09-JUN-2005 00:37

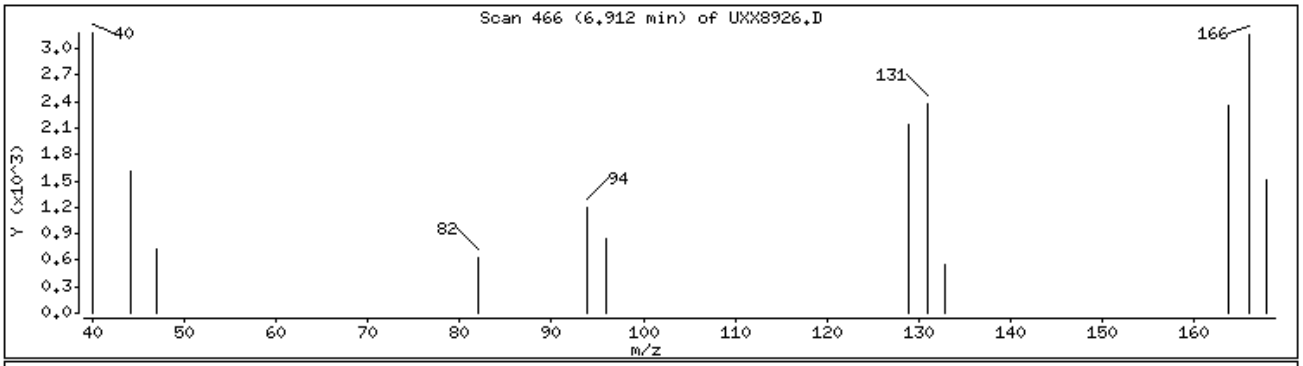
Client ID: GW-052605-JK-025 Instrument: a3ux10.i

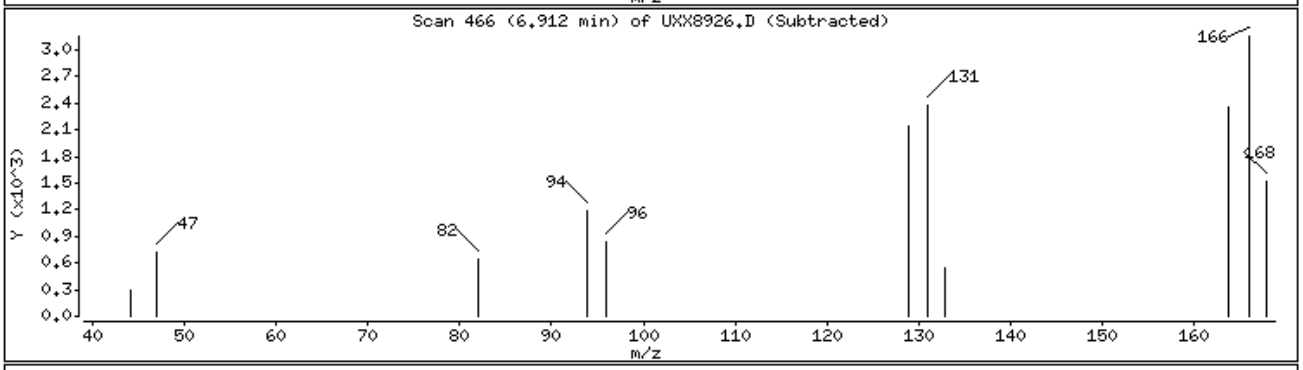
Sample Info: HCKEN1AA,5ML/5ML

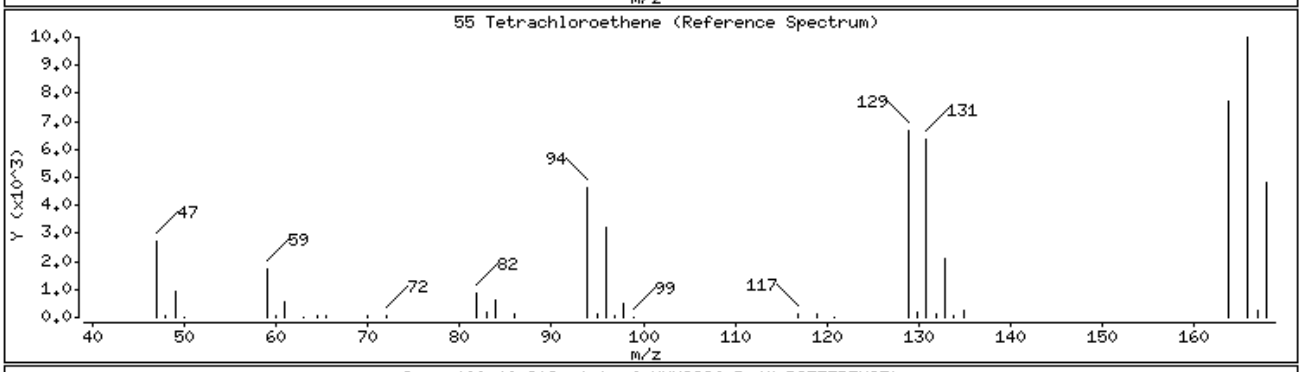
Purge Volume: 5.0 Operator: 1904

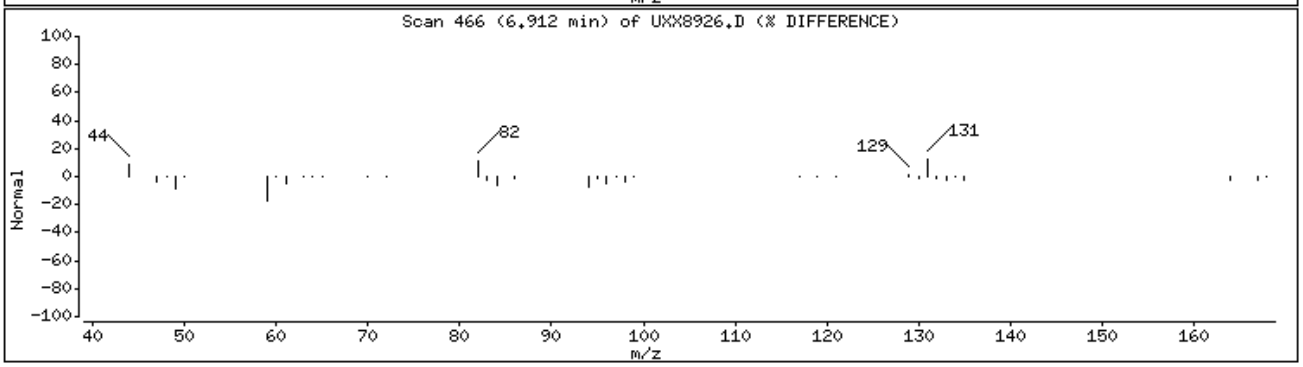
Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 0.2540 ug/L









Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052605-JK-026

GC/MS Volatiles

Lot-Sample #...: A5E280164-005 **Work Order #...:** HCKEP1AA **Matrix.....:** WG
Date Sampled...: 05/26/05 13:50 **Date Received..:** 05/28/05
Prep Date.....: 06/09/05 **Analysis Date..:** 06/09/05
Prep Batch #...: 5161119
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**1.7 J,B**	**10**	**ug/L**
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	**0.45 J**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052605-JK-026

GC/MS Volatiles

Lot-Sample #...: A5E280164-005 **Work Order #...:** HCKEP1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**2.3**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	**1.6**	**1.0**	**ug/L**
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**2.8**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
1,2-Dichloroethane-d4	94	(61 - 128)
Toluene-d8	106	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93990.D
Report Date: 10-Jun-2005 11:20

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93990.D
Lab Smp Id: HCKEP1AA Client Smp ID: GW-052605-JK-026
Inj Date : 09-JUN-2005 16:54
Operator : 1754 Inst ID: a3ux9.i
Smp Info : HCKEP1AA,5ML/5ML
Misc Info : N50609B,8260MIUX9,,1754
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\8260MIUX9.m
Meth Date : 10-Jun-2005 11:18 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.096	5.097	(1.000)	559066	50.0000	
* 2 Chlorobenzene-d5	117	7.747	7.748	(1.000)	424986	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.983	9.984	(1.000)	179687	50.0000	
$ 4 Dibromofluoromethane	113	4.540	4.541	(0.891)	117965	51.4600	10.292
$ 5 1,2-Dichloroethane-d4	65	4.824	4.825	(0.947)	122776	46.9736	9.395
$ 6 Toluene-d8	98	6.445	6.446	(0.832)	617833	53.2202	10.644
$ 7 Bromofluorobenzene	95	8.847	8.848	(1.142)	213367	47.7749	9.555
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.789	2.790	(0.547)	15192	8.26499	1.653
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93990.D
Report Date: 10-Jun-2005 11:20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.688	3.701	(0.724)	4846	0.87746	0.1755
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61				11009	2.23035	0.4461
	32 cis-1,2-dichloroethene	61	4.149	4.162	(0.814)	11009	2.23035	0.4461
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.575	4.576	(0.898)	29402	8.18203	1.636
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.883	4.884	(0.958)	8186	0.65838	0.1317
	42 Trichloroethene	130	5.404	5.405	(1.060)	42029	13.7898	2.758
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.001	7.002	(0.904)	29629	11.5493	2.310
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

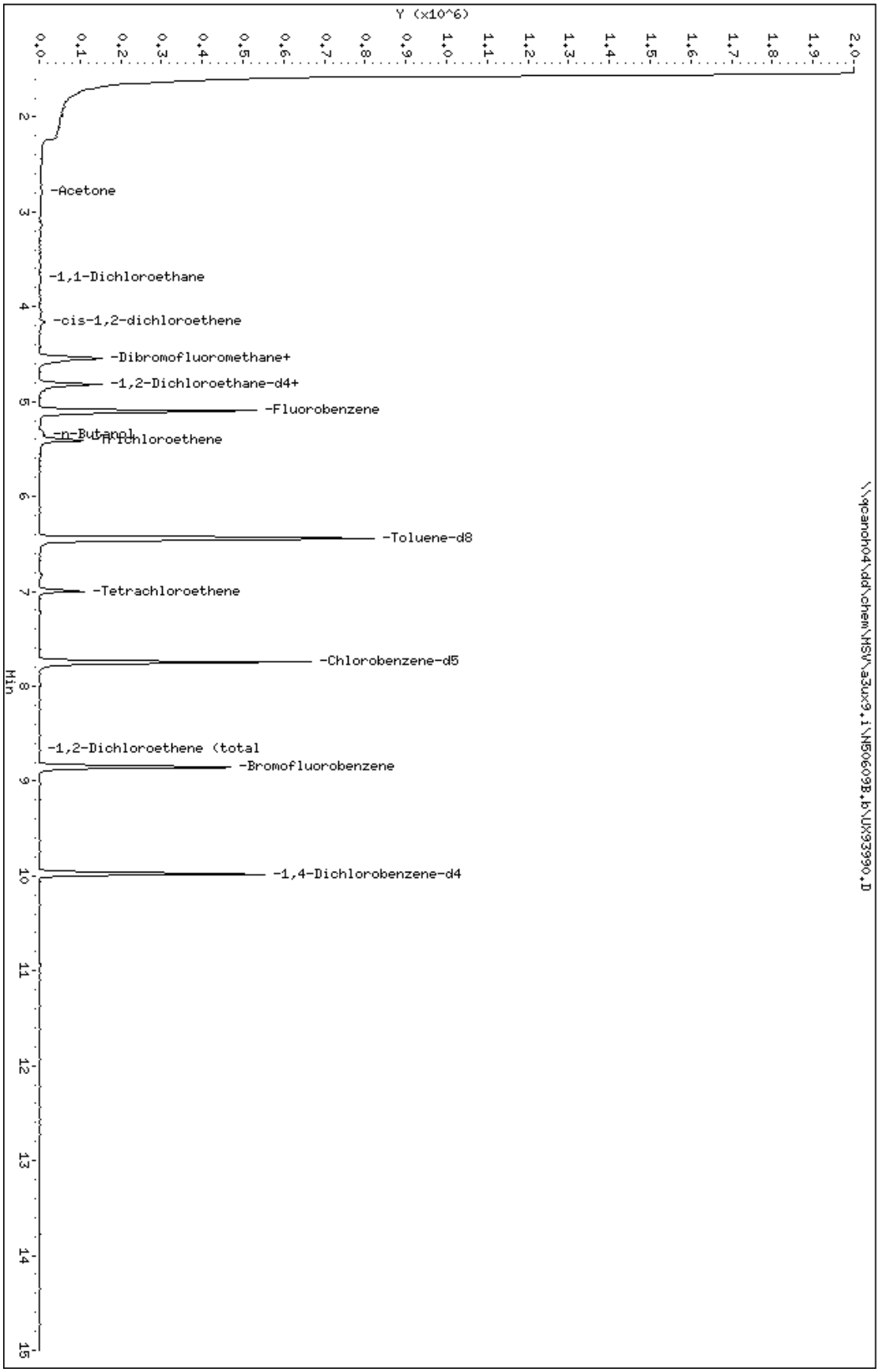
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93990.D
Report Date: 10-Jun-2005 11:20

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	5.368	5.311	(0.693)	22917	196.205	39.241
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93990.D
Date : 09-JUN-2005 16:54
Client ID: GW-052605-JK-026
Sample Info: HCKEP1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9.i
Operator: 1754
Column diameter: 0.18



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Date : 09-JUN-2005 16:54

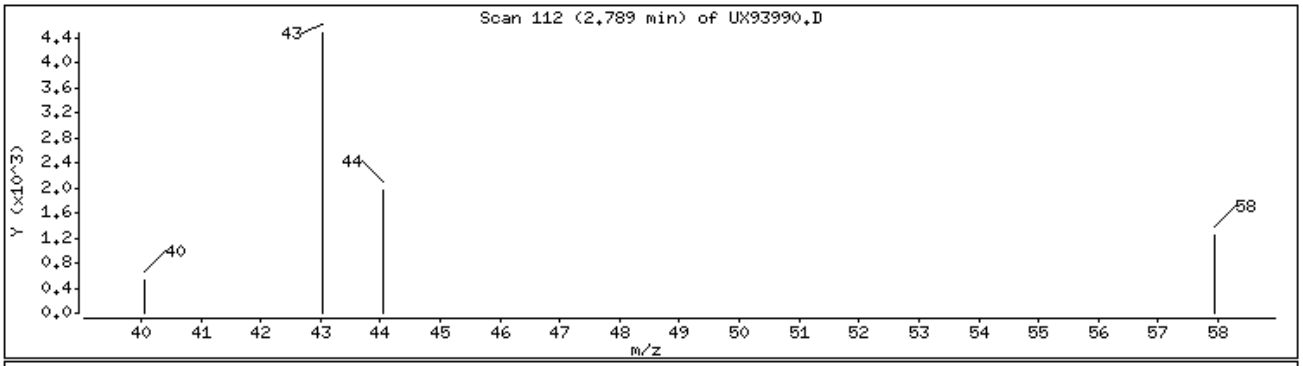
Client ID: GW-052605-JK-026 Instrument: a3ux9.i

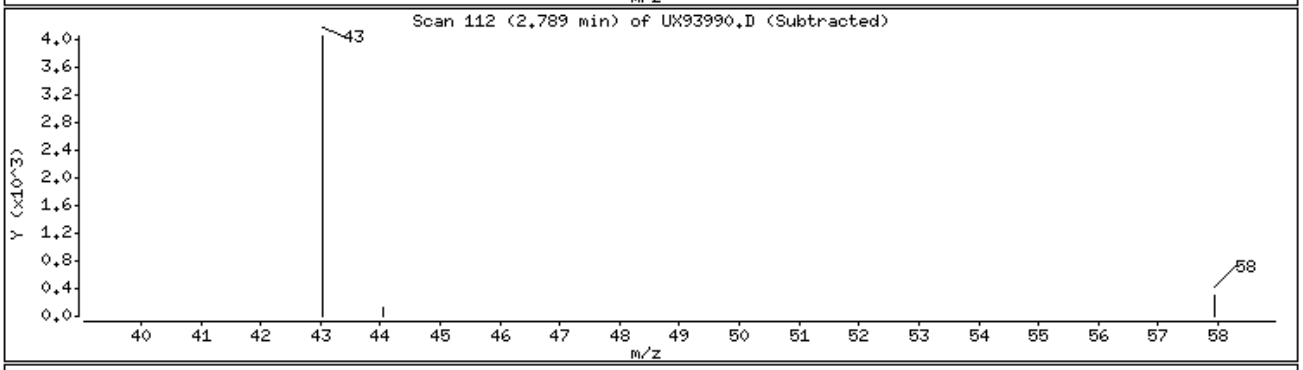
Sample Info: HCKEP1AA,5ML/5ML

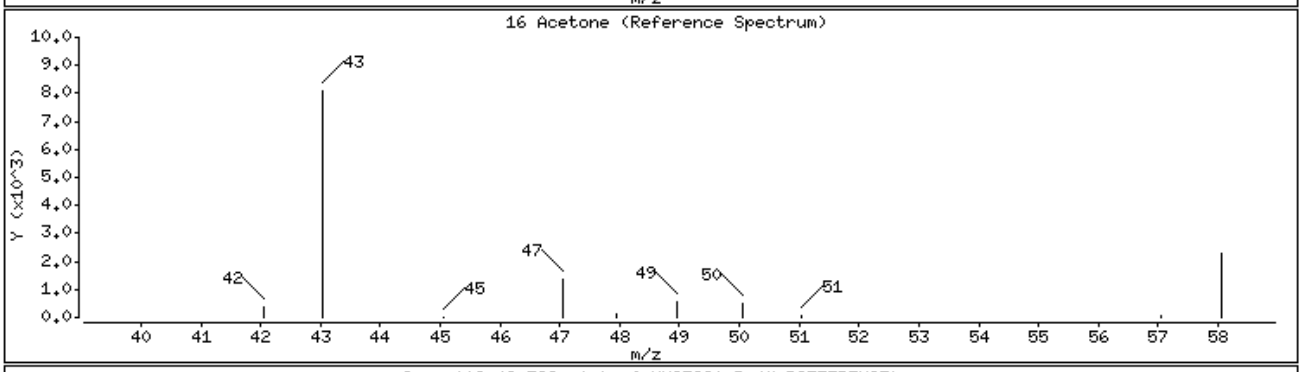
Purge Volume: 5.0 Operator: 1754

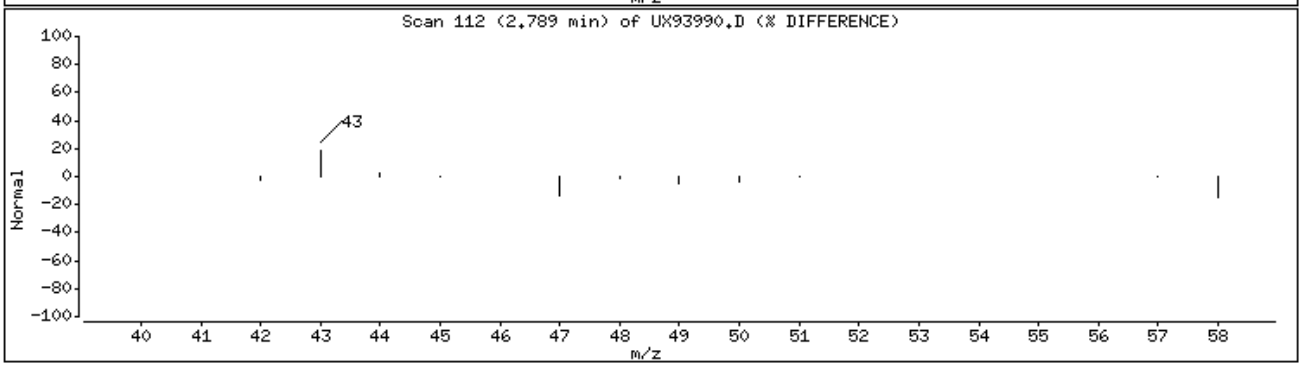
Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 1.653 ug/L









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Date : 09-JUN-2005 16:54

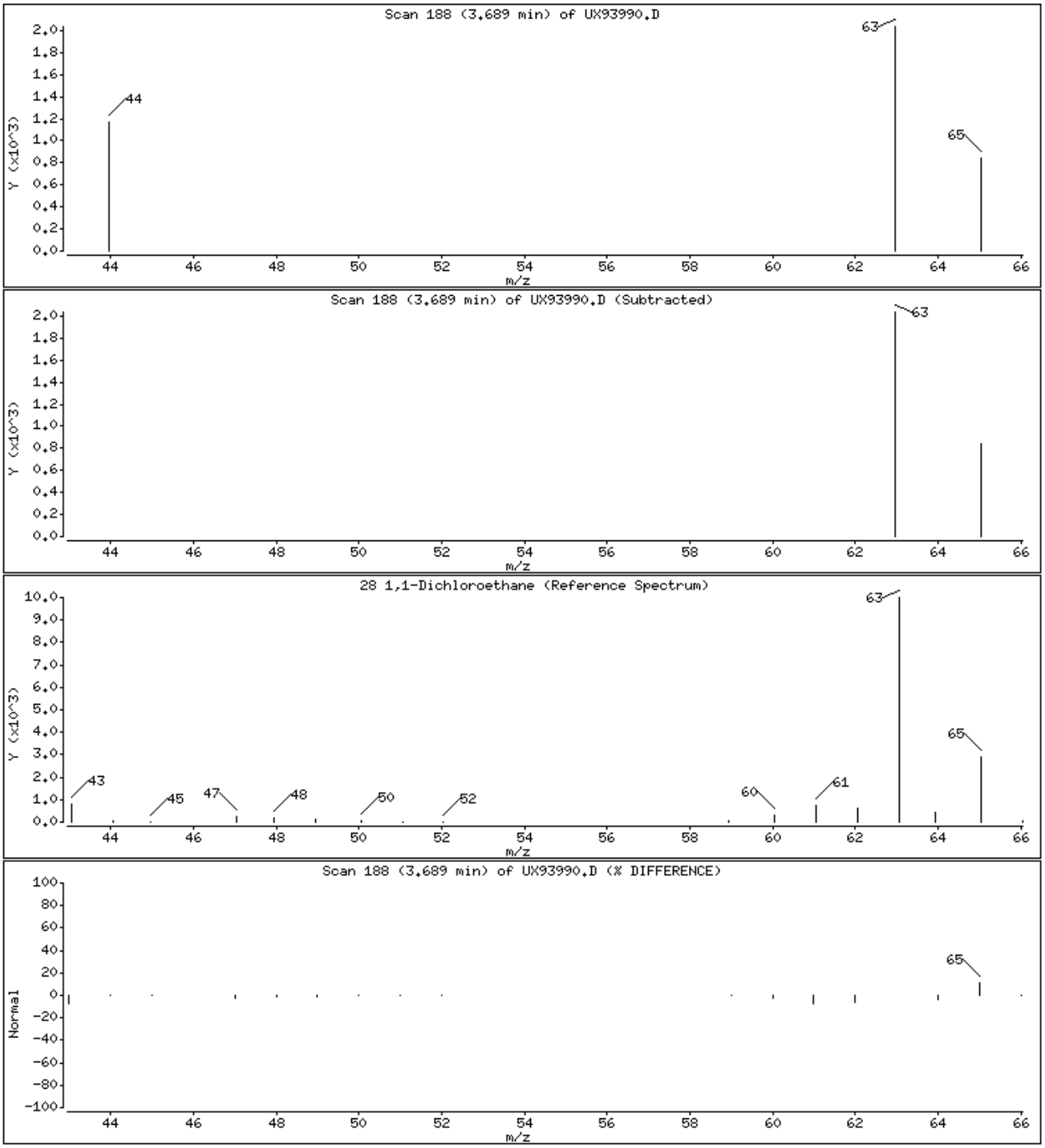
Client ID: GW-052605-JK-026 Instrument: a3ux9.i

Sample Info: HCKEP1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 Column diameter: 0.18

28 1,1-Dichloroethane Concentration: 0.1755 ug/L



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Date : 09-JUN-2005 16:54

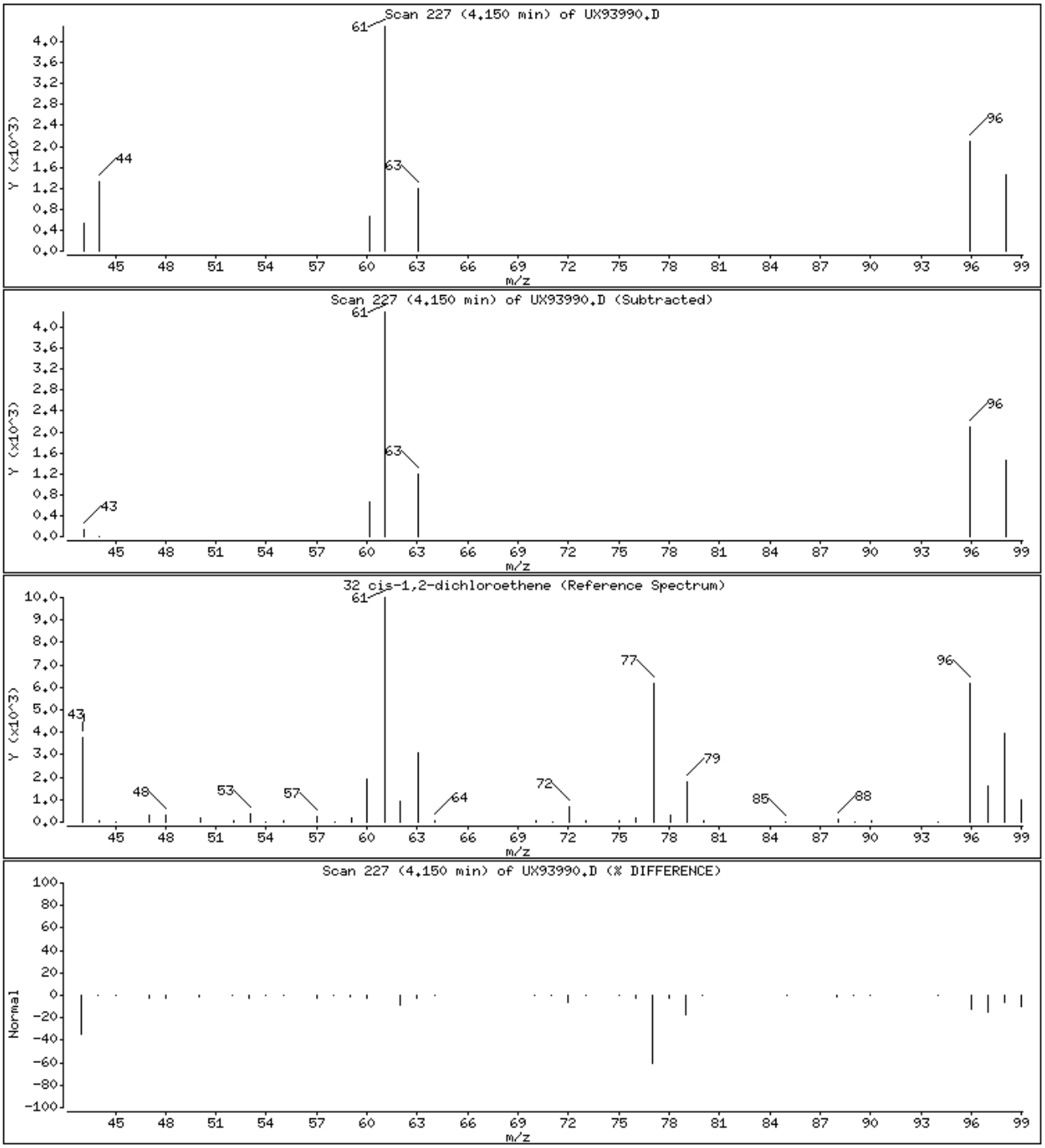
Client ID: GW-052605-JK-026 Instrument: a3ux9.i

Sample Info: HCKEP1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 0.4461 ug/L



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Date : 09-JUN-2005 16:54

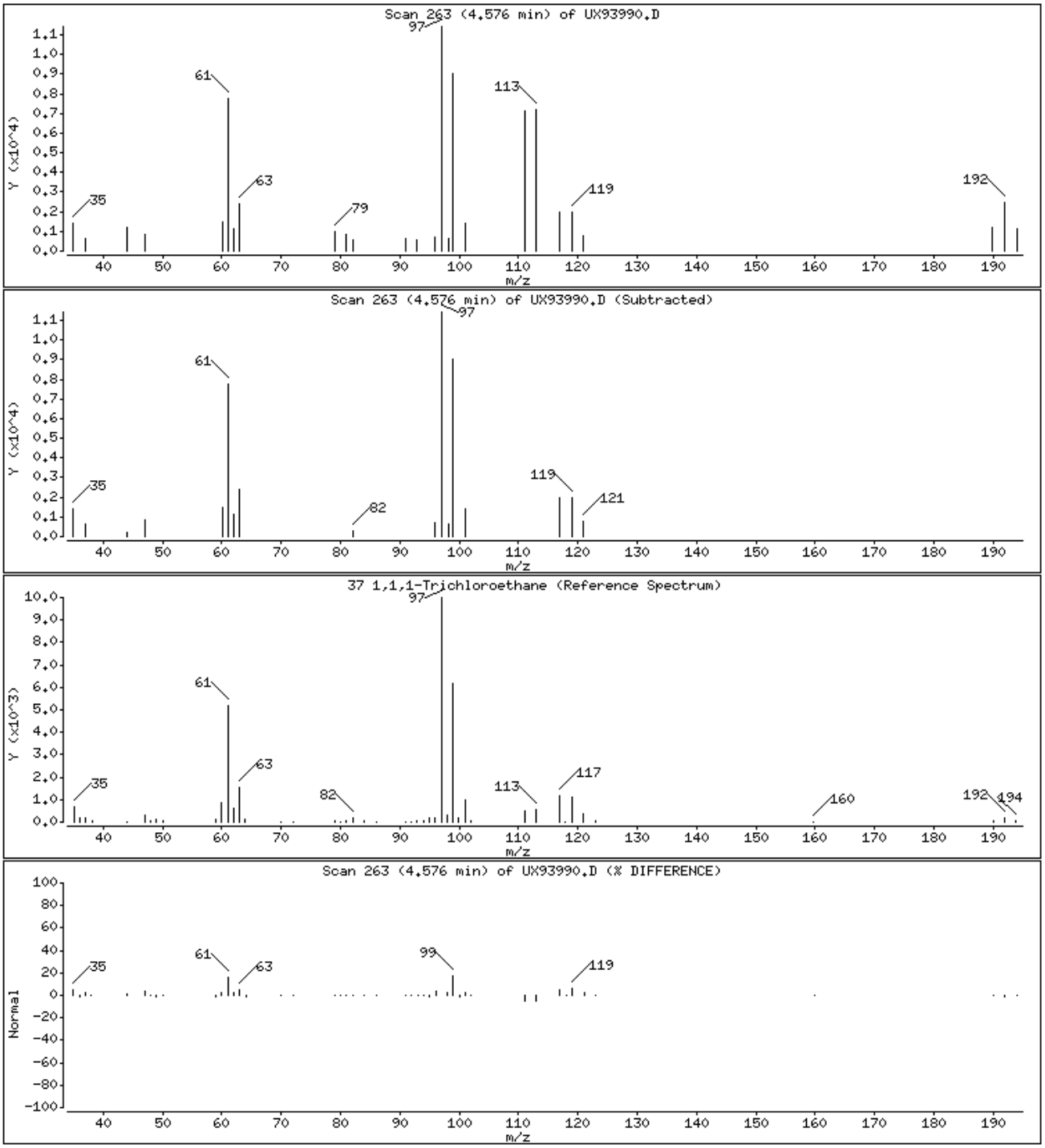
Client ID: GW-052605-JK-026 Instrument: a3ux9.i

Sample Info: HCKEP1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 Column diameter: 0.18

37 1,1,1-Trichloroethane Concentration: 1.636 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93990.D

Date : 09-JUN-2005 16:54

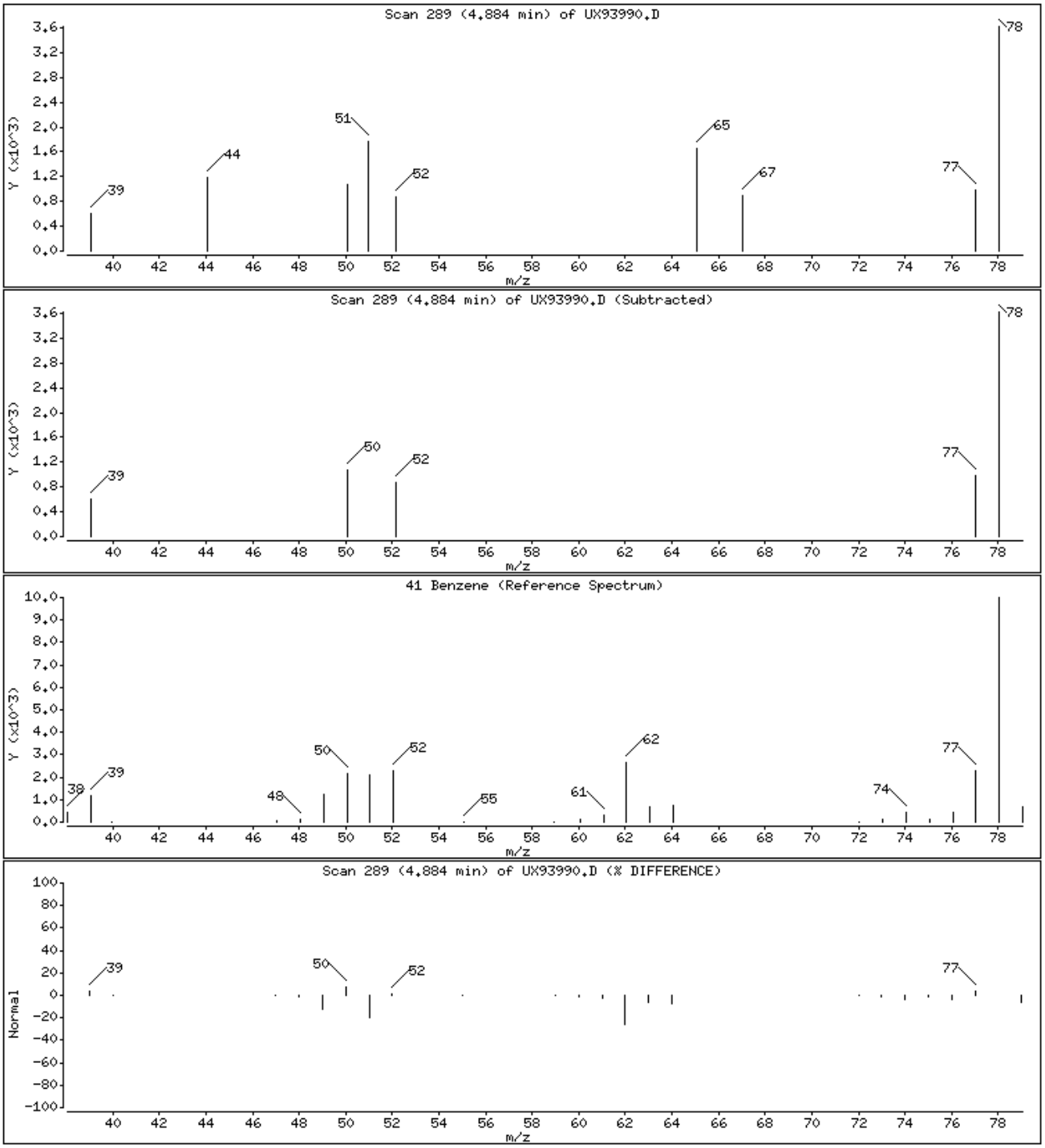
Client ID: GW-052605-JK-026 Instrument: a3ux9.i

Sample Info: HCKEP1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 0.1317 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93990.D

Date : 09-JUN-2005 16:54

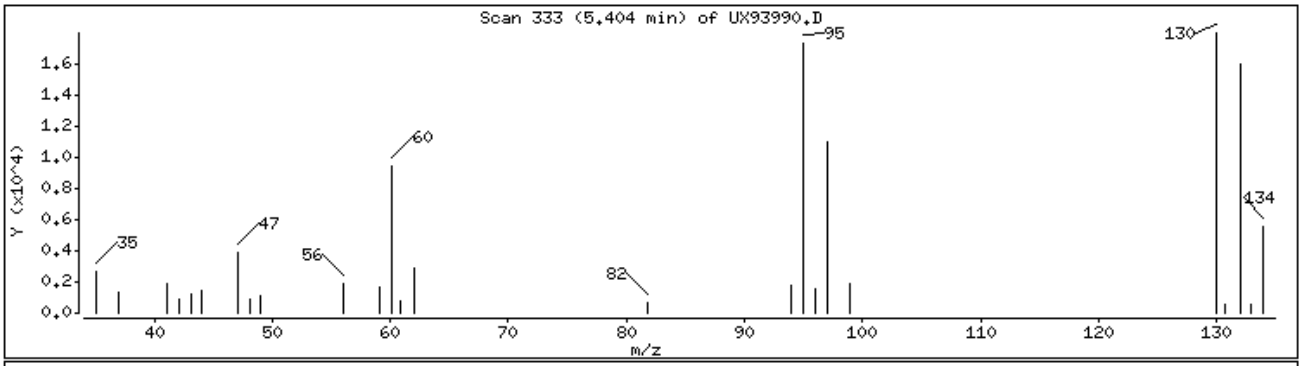
Client ID: GW-052605-JK-026 Instrument: a3ux9.i

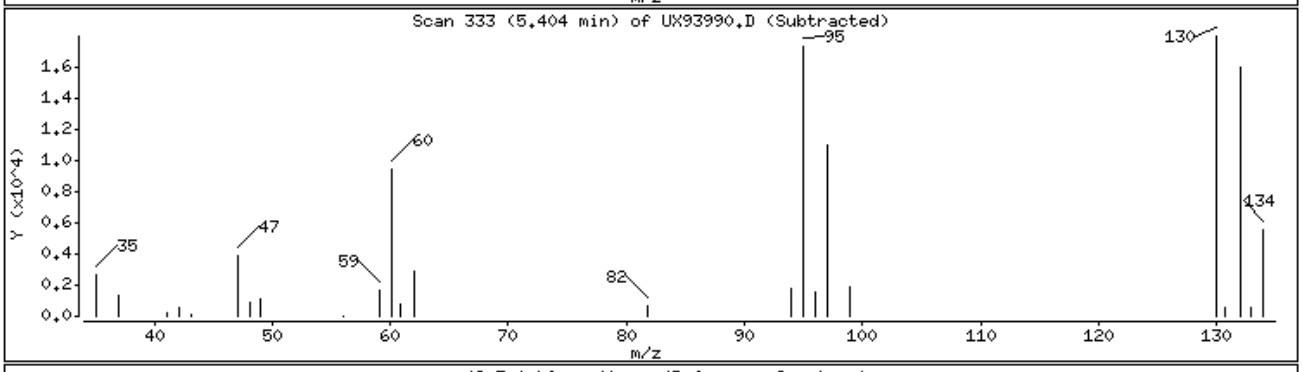
Sample Info: HCKEP1AA,5ML/5ML

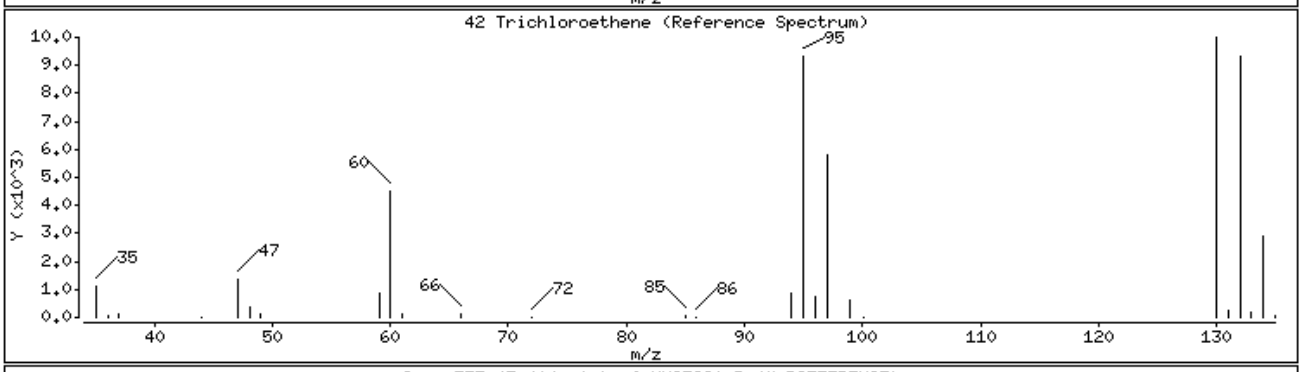
Purge Volume: 5.0 Operator: 1754

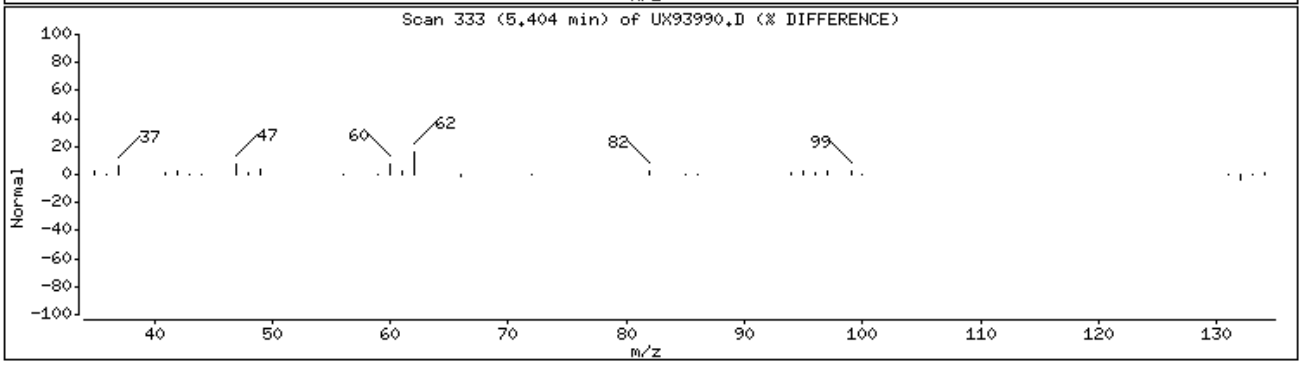
Column phase: DB624 Column diameter: 0.18

42 Trichloroethene Concentration: 2.758 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93990.D

Date : 09-JUN-2005 16:54

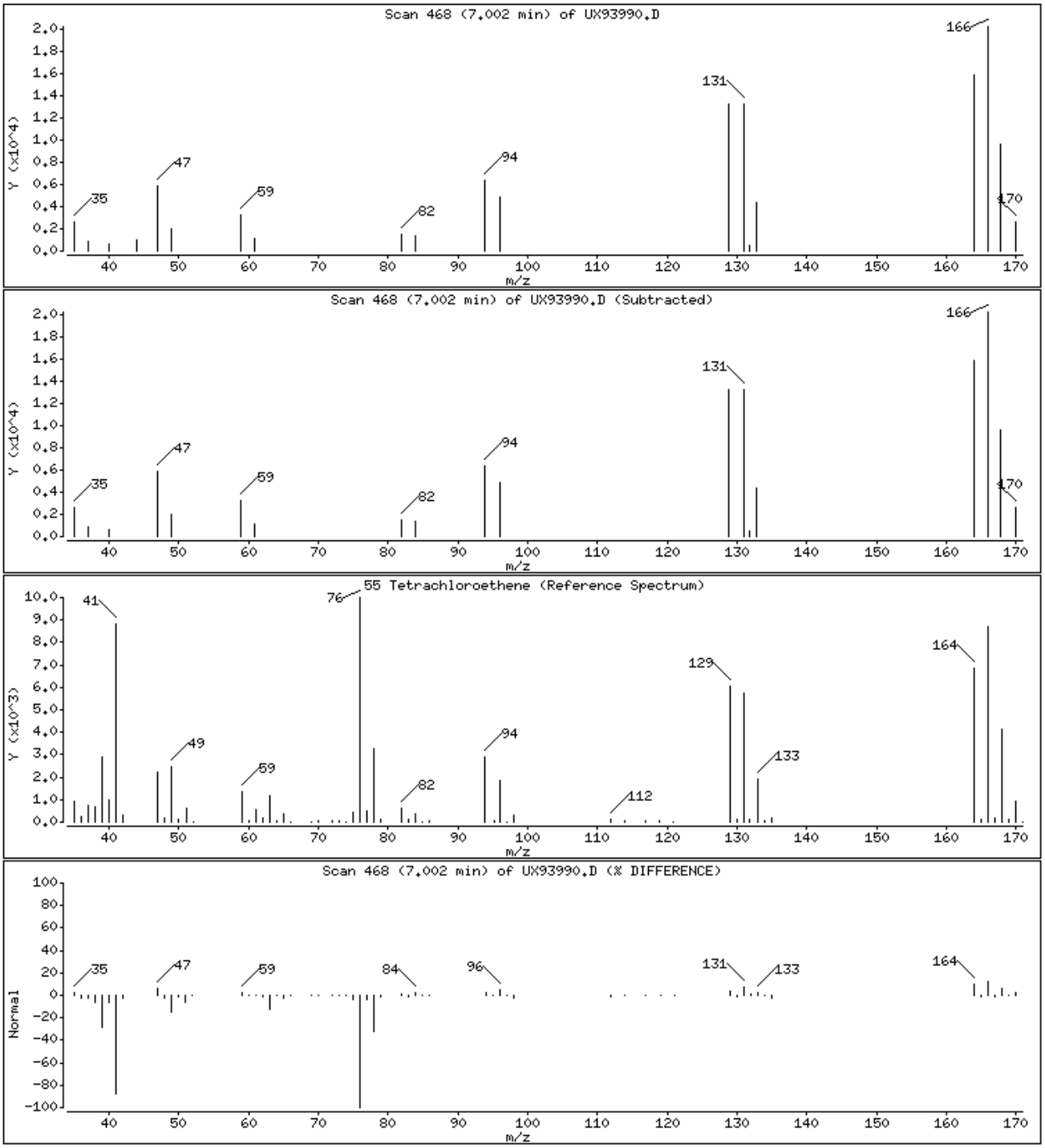
Client ID: GW-052605-JK-026 Instrument: a3ux9.i

Sample Info: HCKEP1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 2.310 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93990.D

Date : 09-JUN-2005 16:54

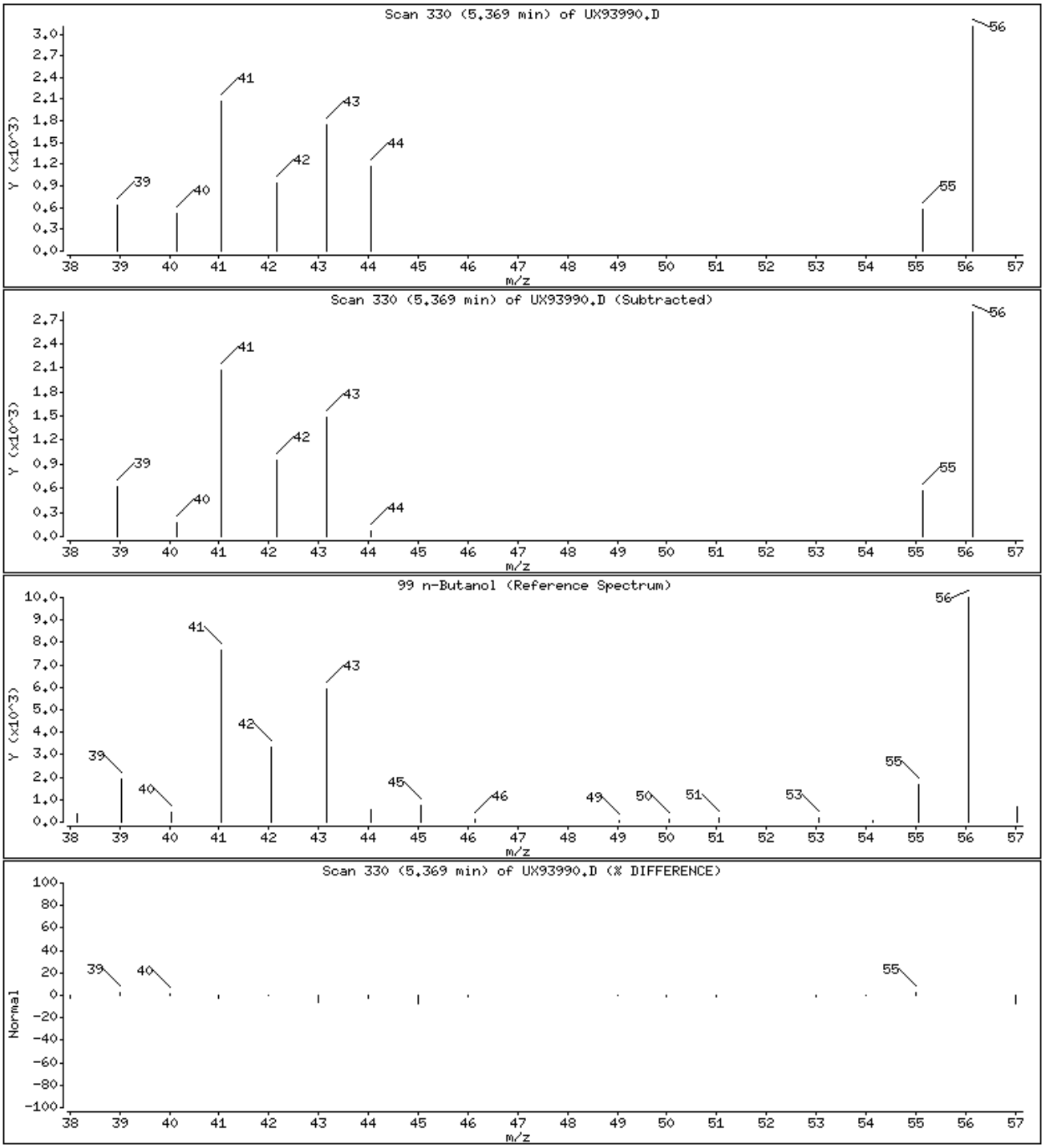
Client ID: GW-052605-JK-026 Instrument: a3ux9.i

Sample Info: HCKEP1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 Column diameter: 0.18

99 n-Butanol Concentration: 39.241 ug/L



Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052605-JK-027

GC/MS Volatiles

Lot-Sample #...: A5E280164-006 **Work Order #...:** HCKEQ1AA **Matrix.....:** WG
Date Sampled...: 05/26/05 14:00 **Date Received..:** 05/28/05
Prep Date.....: 06/09/05 **Analysis Date..:** 06/09/05
Prep Batch #...: 5161119
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**2.0 J,B**	**10**	**ug/L**
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052605-JK-027

GC/MS Volatiles

Lot-Sample #...: A5E280164-006 **Work Order #...:** HCKEQ1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(73 - 122)
1,2-Dichloroethane-d4	87	(61 - 128)
Toluene-d8	105	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93990A.D
Report Date: 10-Jun-2005 11:20

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93990A.D
Lab Smp Id: HCKEQ1AA Client Smp ID: GW-052605-JK-027
Inj Date : 09-JUN-2005 17:16
Operator : 1754 Inst ID: a3ux9.i
Smp Info : HCKEQ1AA,5ML/5ML
Misc Info : N50609B,8260MIUX9,,1754
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\8260MIUX9.m
Meth Date : 10-Jun-2005 11:18 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	564988	50.0000	
* 2 Chlorobenzene-d5	117	7.747	7.748	(1.000)	429792	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	174229	50.0000	
$ 4 Dibromofluoromethane	113	4.540	4.541	(0.891)	117554	50.7432	10.149
$ 5 1,2-Dichloroethane-d4	65	4.824	4.825	(0.947)	115500	43.7267	8.745
$ 6 Toluene-d8	98	6.446	6.446	(0.832)	618151	52.6522	10.530
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	207330	45.9041	9.181
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.789	2.790	(0.547)	17130	10.1714	2.034
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93990A.D
Report Date: 10-Jun-2005 11:20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.884	4.884	(0.958)	7043	0.56051	0.1121
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

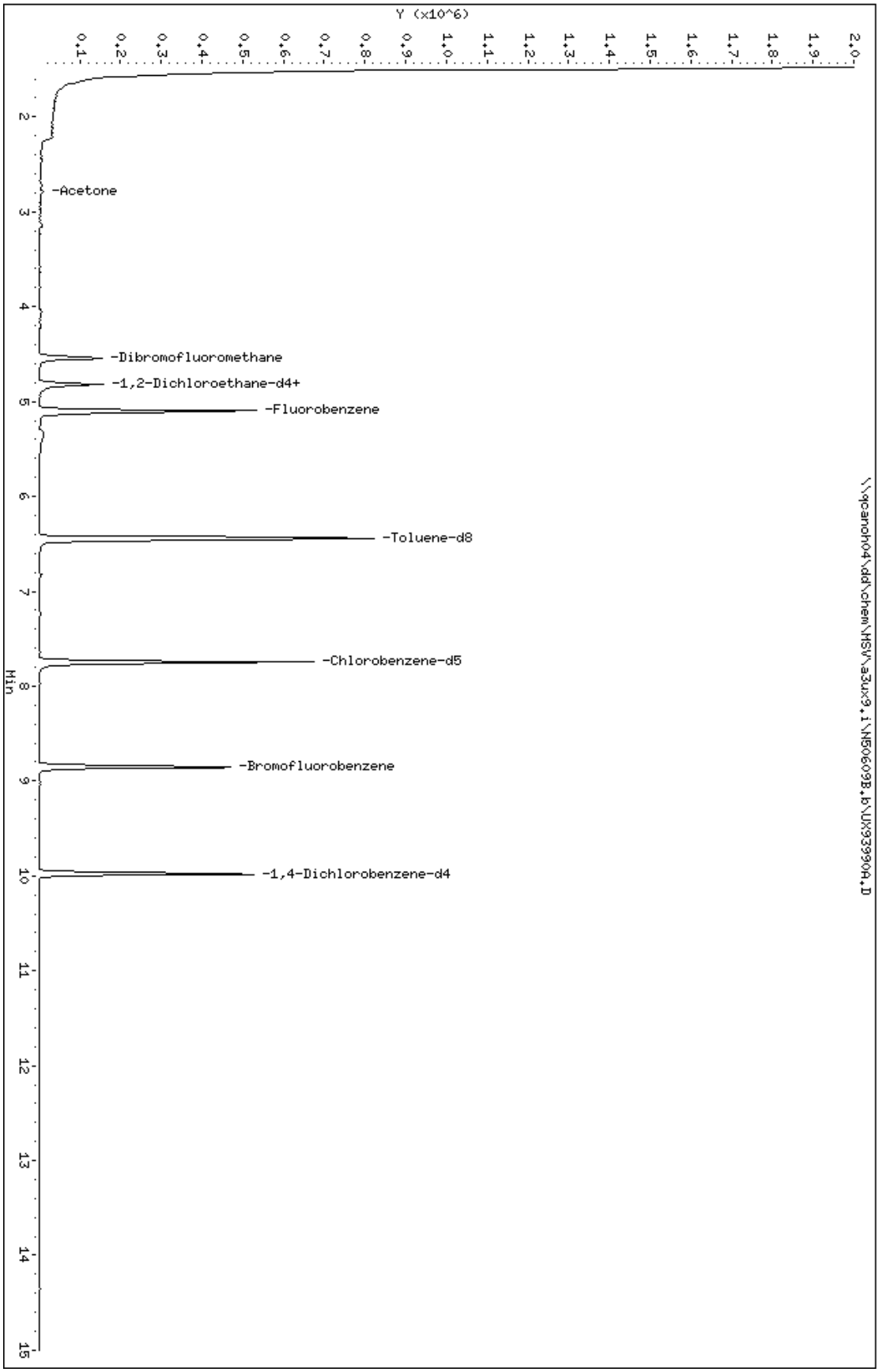
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93990A.D
Report Date: 10-Jun-2005 11:20

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93990A.D
Date : 09-JUN-2005 17:16
Client ID: GW-052605-JK-027
Sample Info: HCXEQ1AA,5ML/5ML
Purge Volume: 5.0
Column Phase: DB624

Instrument: a3ux9.i
Operator: 1754
Column diameter: 0.18



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Date : 09-JUN-2005 17:16

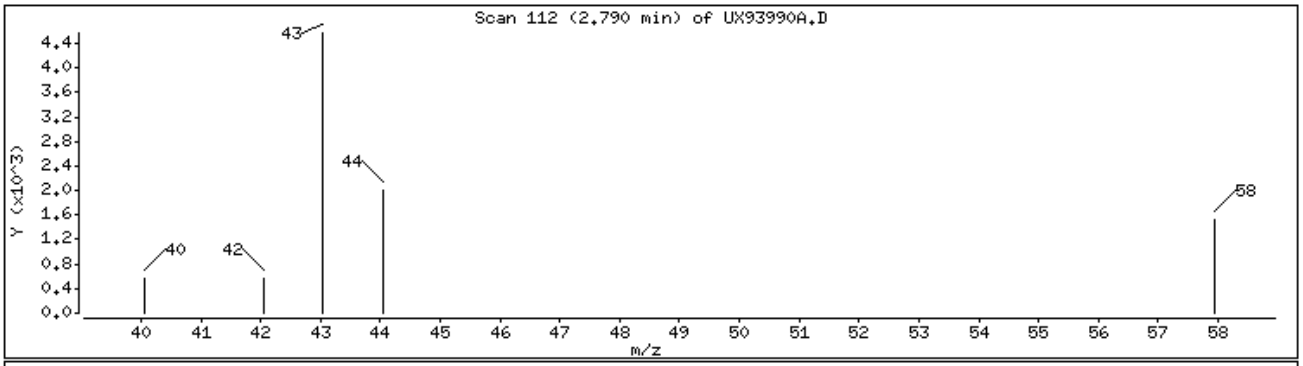
Client ID: GW-052605-JK-027 Instrument: a3ux9.i

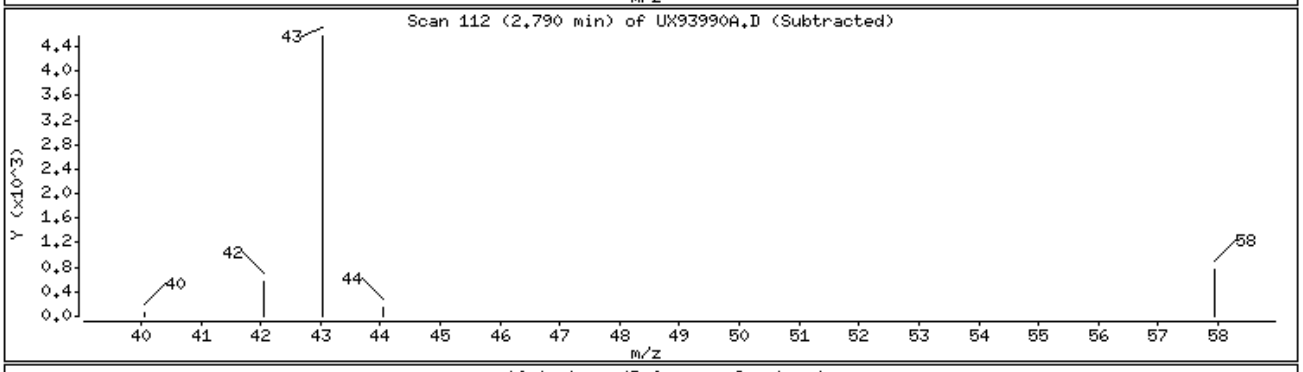
Sample Info: HCKEQ1AA,5ML/5ML

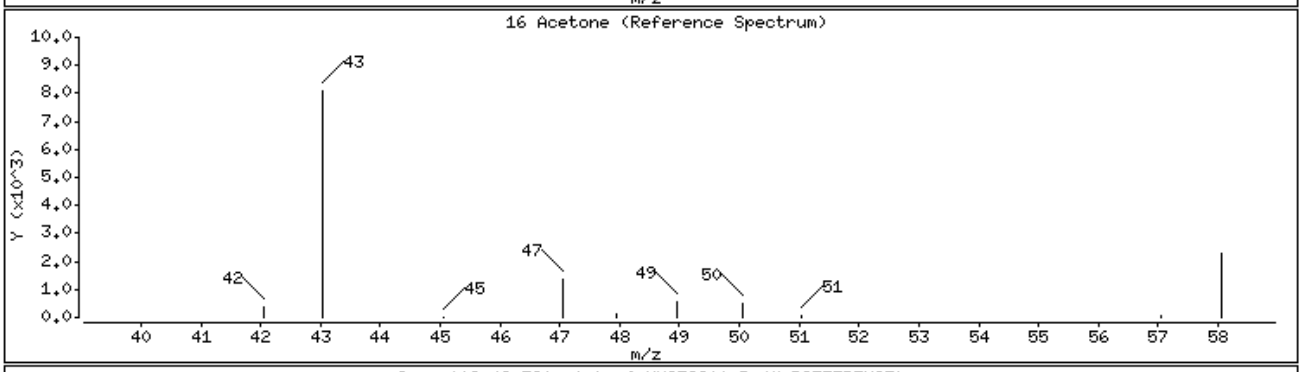
Purge Volume: 5.0 Operator: 1754

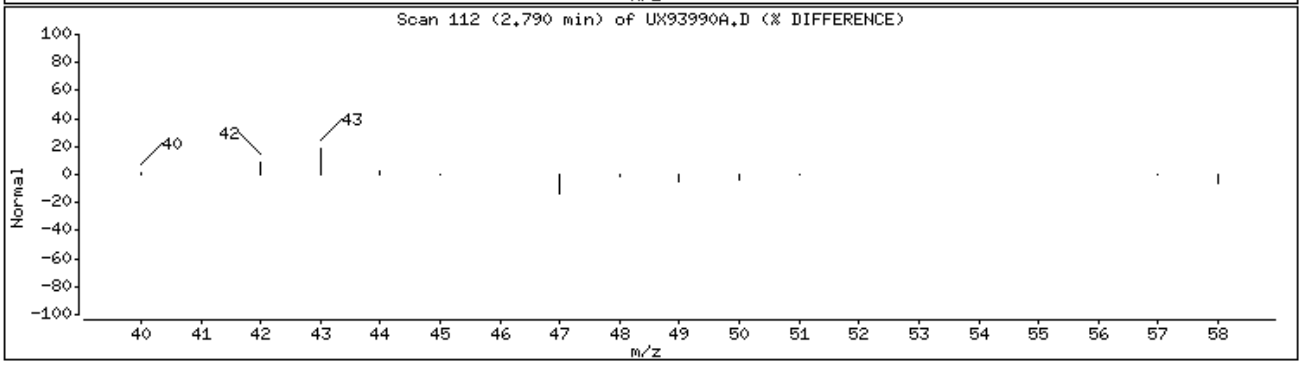
Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 2.034 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93990A.D

Date : 09-JUN-2005 17:16

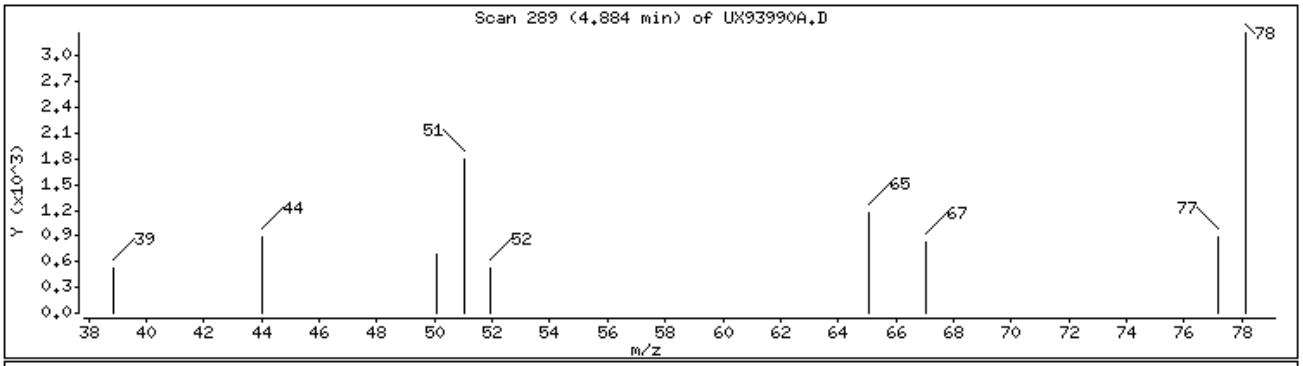
Client ID: GW-052605-JK-027 Instrument: a3ux9.i

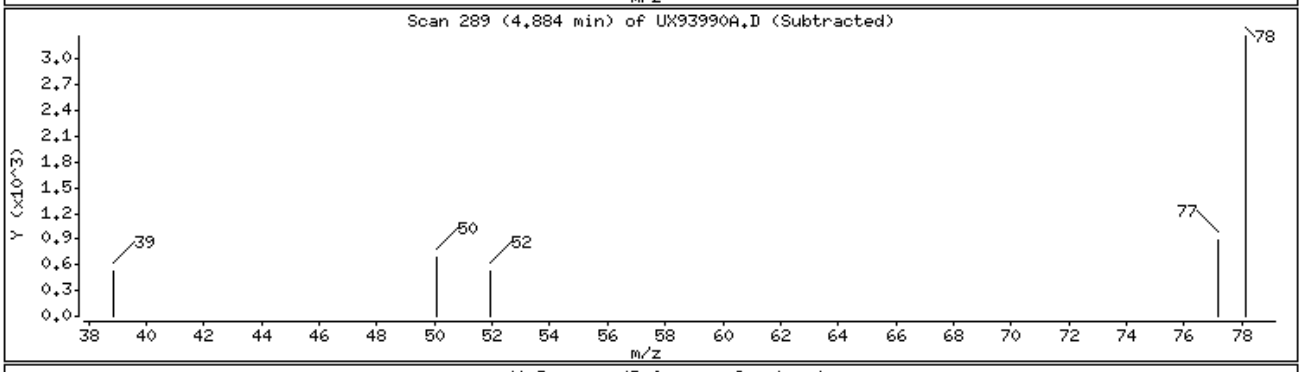
Sample Info: HCKEQ1AA,5ML/5ML

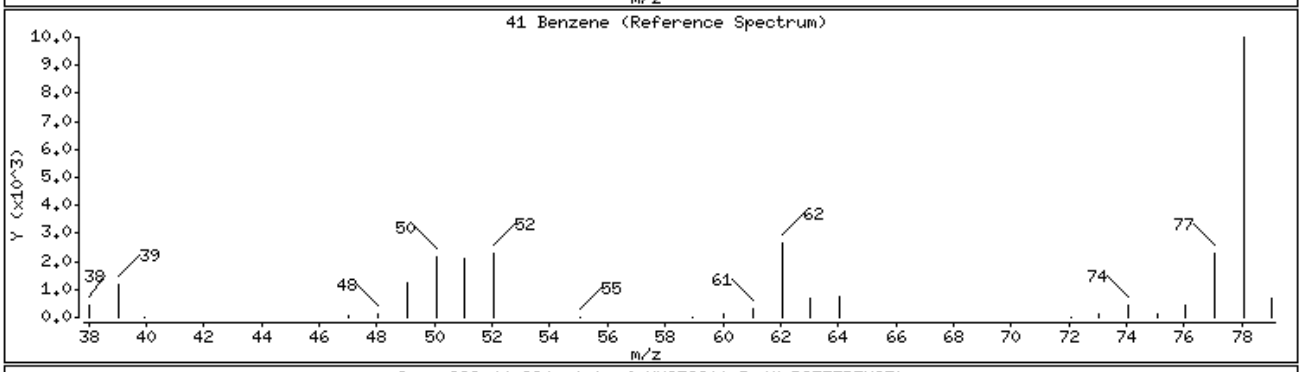
Purge Volume: 5.0 Operator: 1754

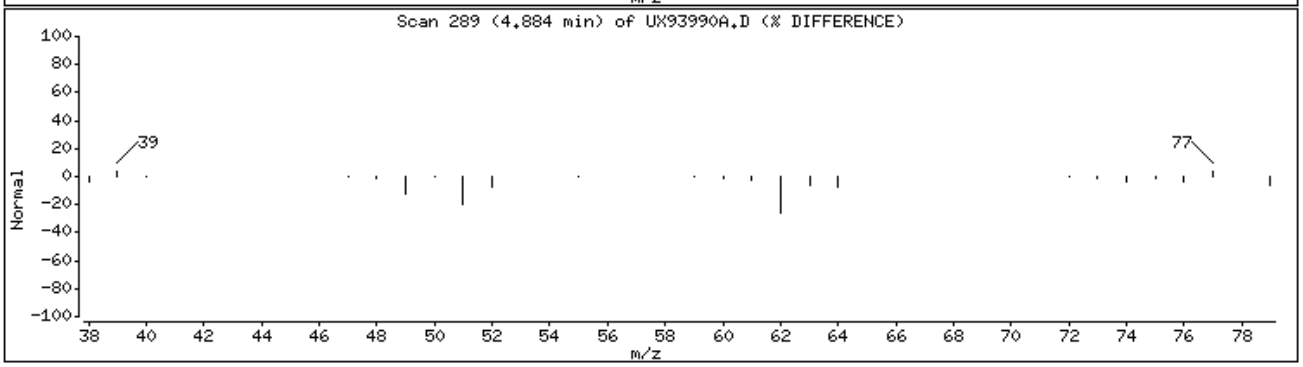
Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 0.1121 ug/L









Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052605-JK-028

GC/MS Volatiles

Lot-Sample #...: A5E280164-007 **Work Order #...:** HCKER1AA **Matrix.....:** WG
Date Sampled...: 05/26/05 14:40 **Date Received..:** 05/28/05
Prep Date.....: 06/09/05 **Analysis Date..:** 06/09/05
Prep Batch #...: 5160173
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052605-JK-028

GC/MS Volatiles

Lot-Sample #...: A5E280164-007 **Work Order #...:** HCKER1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**2.5**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	115	(73 - 122)
1,2-Dichloroethane-d4	106	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	75	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8929.D
Report Date: 09-Jun-2005 10:59

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8929.D
Lab Smp Id: HCKER1AA Client Smp ID: GW-052605-JK-028
Inj Date : 09-JUN-2005 01:52
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HCKER1AA,5ML/5ML
Misc Info : P50608B,8260LLUX10,1-8260GM.SUB,1904
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\8260LLUX10.m
Meth Date : 09-Jun-2005 10:51 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.007	5.008	(1.000)	990560	50.0000	
* 2 Chlorobenzene-d5	117	7.658	7.659	(1.000)	720302	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.894	9.895	(1.000)	273974	50.0000	
$ 4 Dibromofluoromethane	113	4.439	4.440	(0.887)	231545	57.2595	11.452
$ 5 1,2-Dichloroethane-d4	65	4.723	4.724	(0.943)	261368	52.9306	10.586
$ 6 Toluene-d8	98	6.356	6.357	(0.830)	659503	47.0811	9.416
$ 7 Bromofluorobenzene	95	8.770	8.759	(1.145)	191804	37.6465	7.529
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.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					
24 Methyl tert-butyl ether	73	Compound Not Detected.					
25 trans-1,2-Dichloroethene	96	Compound Not Detected.					

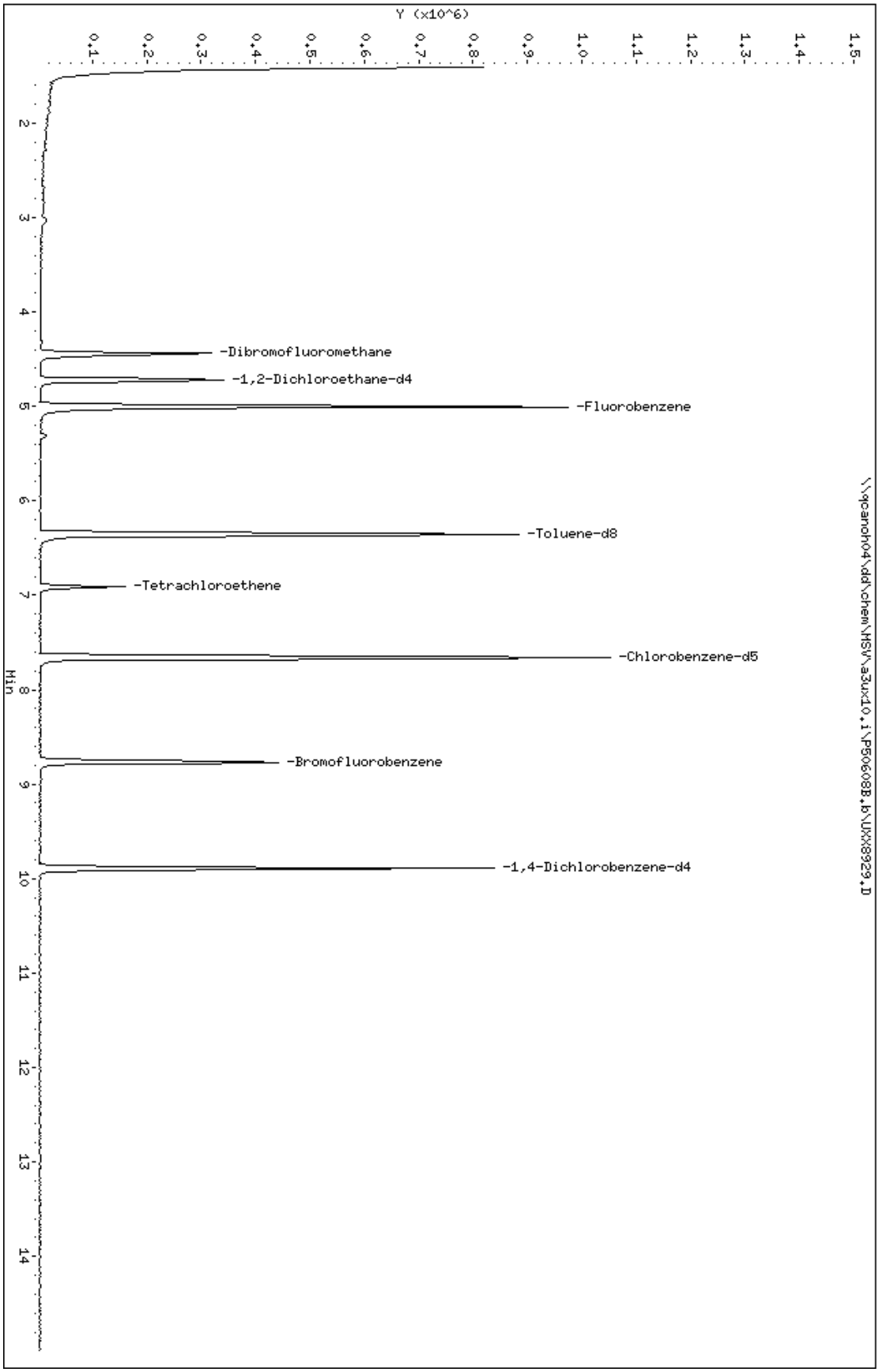
28	1,1-Dichloroethane	63	Compound Not Detected.
30	2-Butanone	43	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8929.D
Report Date: 09-Jun-2005 10:59

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	55 Tetrachloroethene	164	6.912	6.913	(0.903)	44245	12.5830	2.516
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	80 1,3-Dichlorobenzene	146	Compound Not Detected.					
	81 1,4-Dichlorobenzene	146	Compound Not Detected.					
	83 1,2-Dichlorobenzene	146	Compound Not Detected.					
	85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	98 Cyclohexane	56	Compound Not Detected.					
	143 Methyl Acetate	43	Compound Not Detected.					
	144 Methylcyclohexane	83	Compound Not Detected.					
	84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P506608B.b\UXX8929.D
Date : 09-JUN-2005 01:52
Client ID: GW-052605-JK-028
Sample Info: HCKER1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



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Date : 09-JUN-2005 01:52

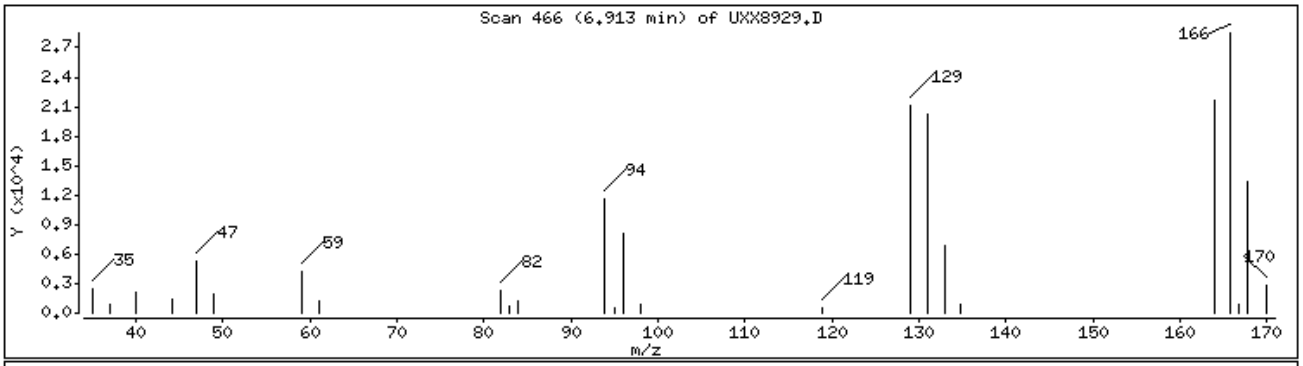
Client ID: GW-052605-JK-028 Instrument: a3ux10.i

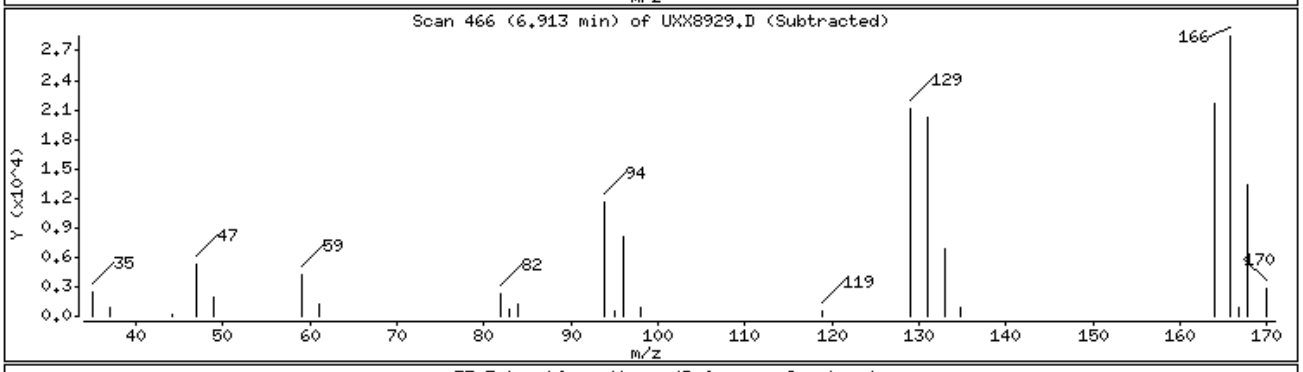
Sample Info: HCKER1AA,5ML/5ML

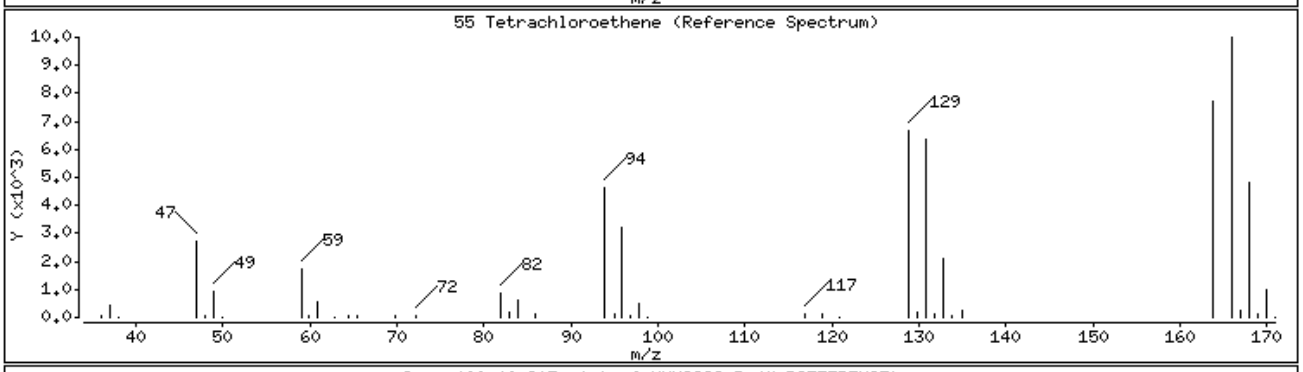
Purge Volume: 5.0 Operator: 1904

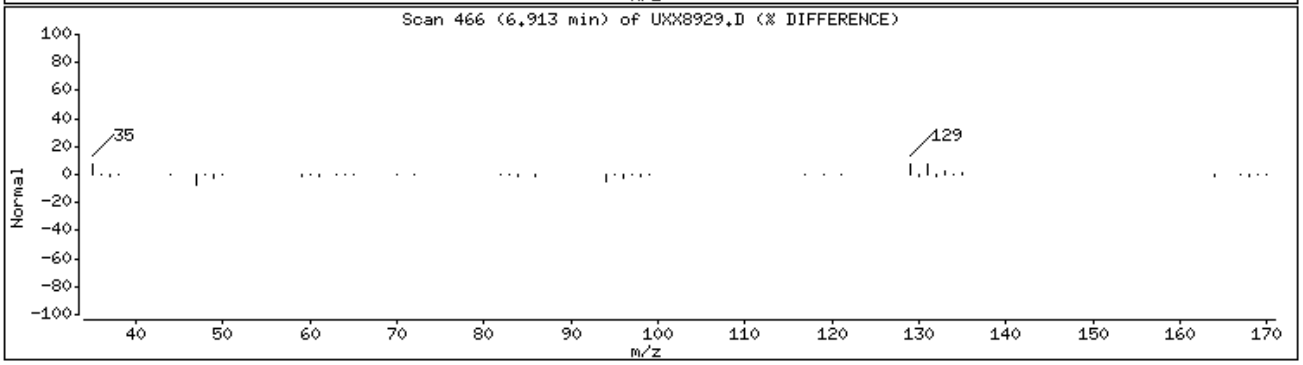
Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 2.516 ug/L









Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052605-JK-029

GC/MS Volatiles

Lot-Sample #...: A5E280164-008 **Work Order #...:** HCKET1AA **Matrix.....:** WG
Date Sampled...: 05/26/05 16:15 **Date Received..:** 05/28/05
Prep Date.....: 06/09/05 **Analysis Date..:** 06/09/05
Prep Batch #...: 5161119
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**1.1 J,B**	**10**	**ug/L**
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052605-JK-029

GC/MS Volatiles

Lot-Sample #...: A5E280164-008 **Work Order #...:** HCKET1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**1.6**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(73 - 122)
1,2-Dichloroethane-d4	89	(61 - 128)
Toluene-d8	108	(76 - 110)
4-Bromofluorobenzene	94	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93991.D
Report Date: 10-Jun-2005 11:20

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93991.D
Lab Smp Id: HCKET1AA Client Smp ID: GW-052605-JK-029
Inj Date : 09-JUN-2005 17:39
Operator : 1754 Inst ID: a3ux9.i
Smp Info : HCKET1AA,5ML/5ML
Misc Info : N50609B,8260MIUX9,,1754
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\8260MIUX9.m
Meth Date : 10-Jun-2005 11:18 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.101	5.097	(1.000)	561713	50.0000	
* 2 Chlorobenzene-d5	117	7.751	7.748	(1.000)	423977	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.976	9.984	(1.000)	170333	50.0000	
$ 4 Dibromofluoromethane	113	4.544	4.541	(0.891)	114315	49.6328	9.926
$ 5 1,2-Dichloroethane-d4	65	4.817	4.825	(0.944)	116512	44.3670	8.873
$ 6 Toluene-d8	98	6.438	6.446	(0.831)	627390	54.1721	10.834
$ 7 Bromofluorobenzene	95	8.852	8.848	(1.142)	208551	46.8077	9.362
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.793	2.790	(0.548)	12743	5.54487	1.109
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93991.D
Report Date: 10-Jun-2005 11:20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.876	4.884	(0.956)	7721	0.61805	0.1236
	42 Trichloroethene	130	5.408	5.405	(1.060)	2458	0.80267	0.1605
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.994	7.002	(0.902)	20117	7.86024	1.572
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

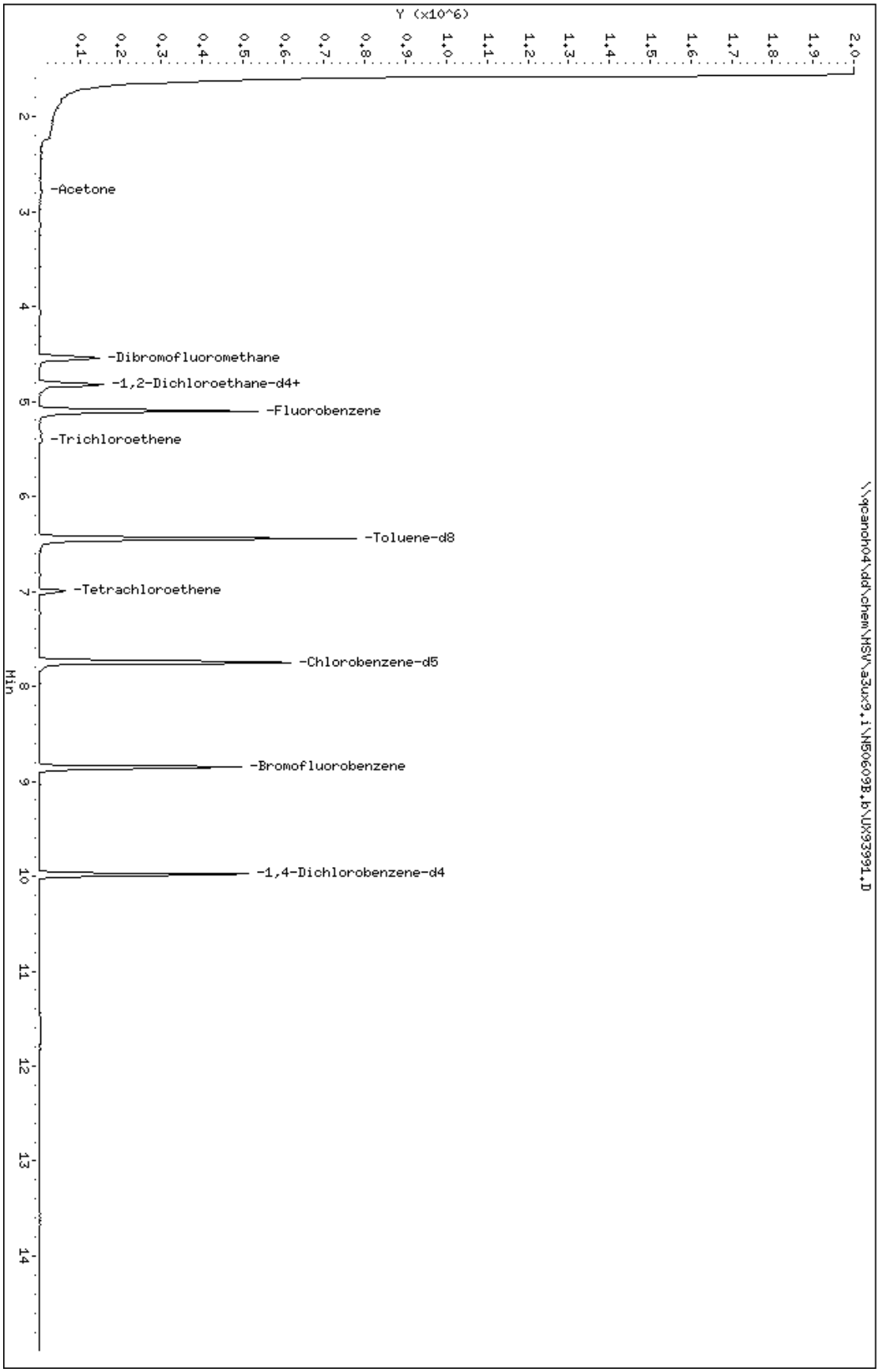
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93991.D
Report Date: 10-Jun-2005 11:20

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93991.D
Date : 09-JUN-2005 17:39
Client ID: GW-052605-JK-029
Sample Info: HCKET1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9.i
Operator: 1754
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93991.D

Date : 09-JUN-2005 17:39

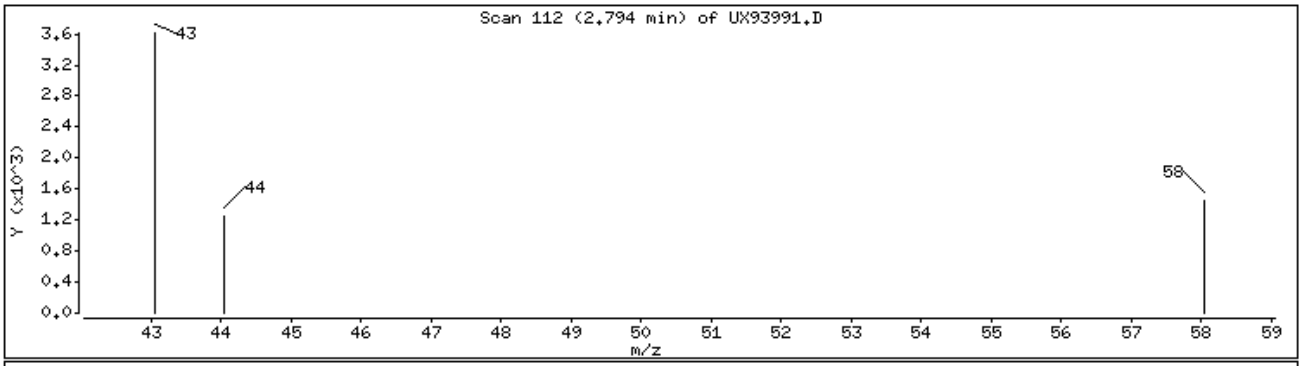
Client ID: GW-052605-JK-029 Instrument: a3ux9.i

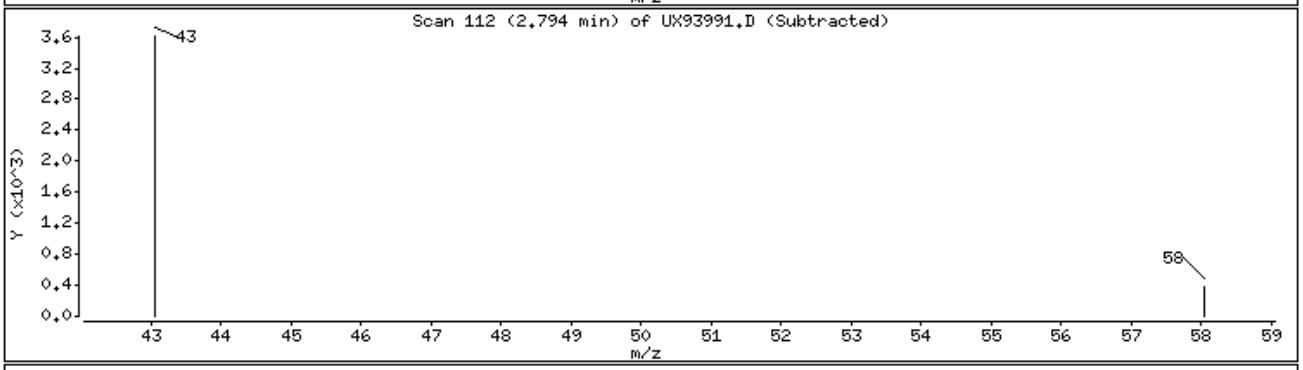
Sample Info: HCKET1AA,5ML/5ML

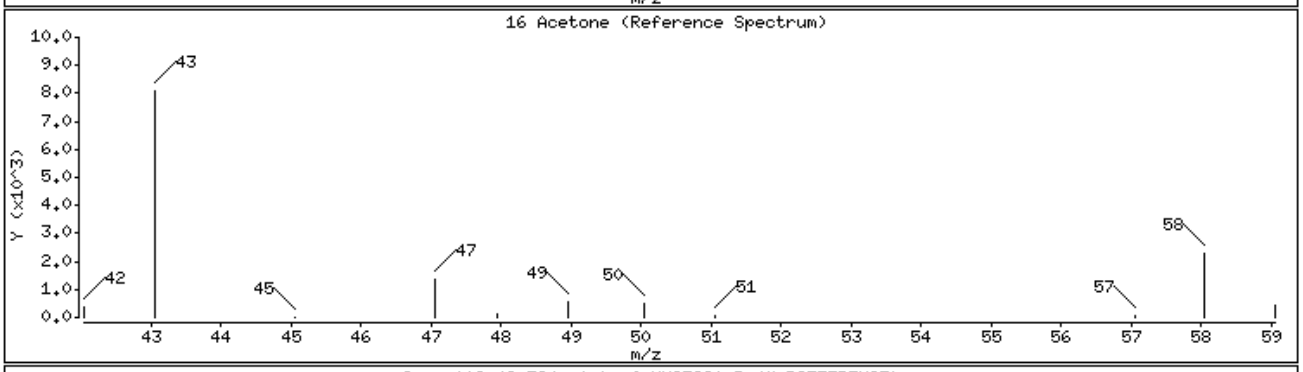
Purge Volume: 5.0 Operator: 1754

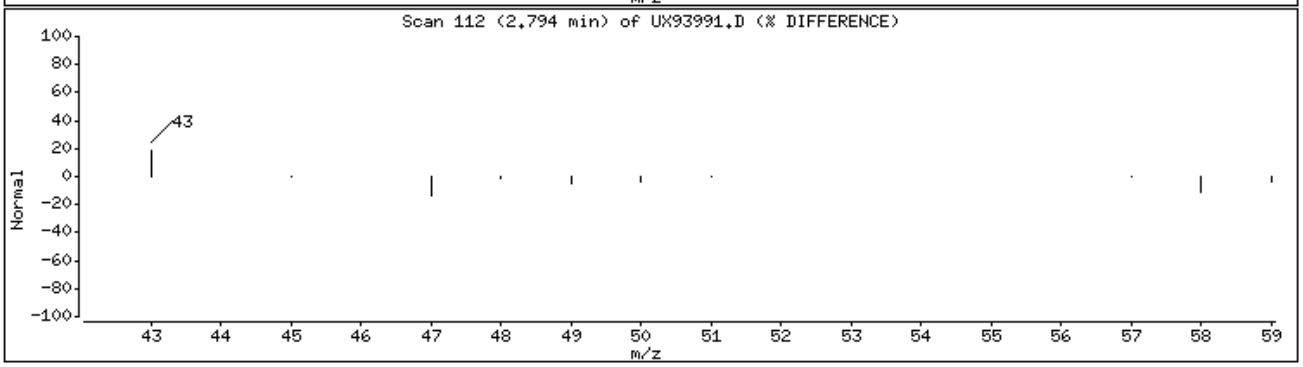
Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 1.109 ug/L









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Date : 09-JUN-2005 17:39

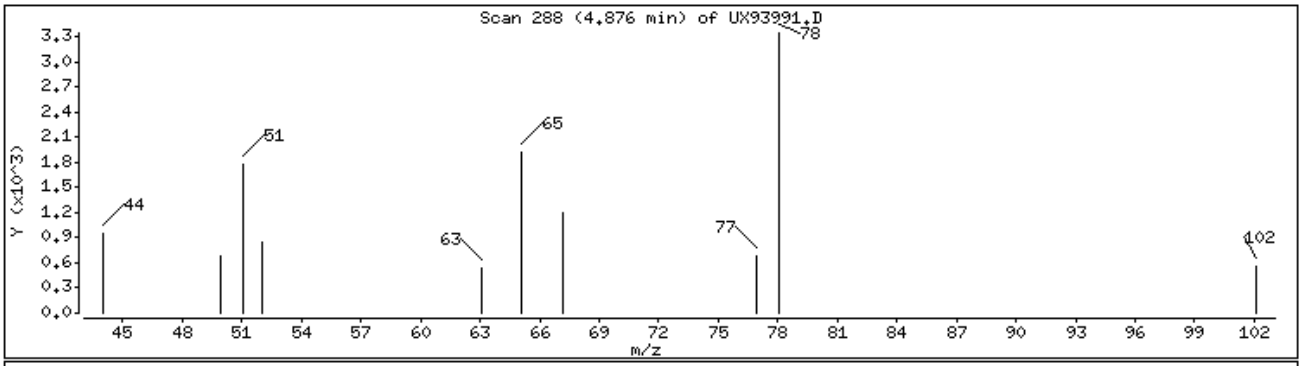
Client ID: GW-052605-JK-029 Instrument: a3ux9.i

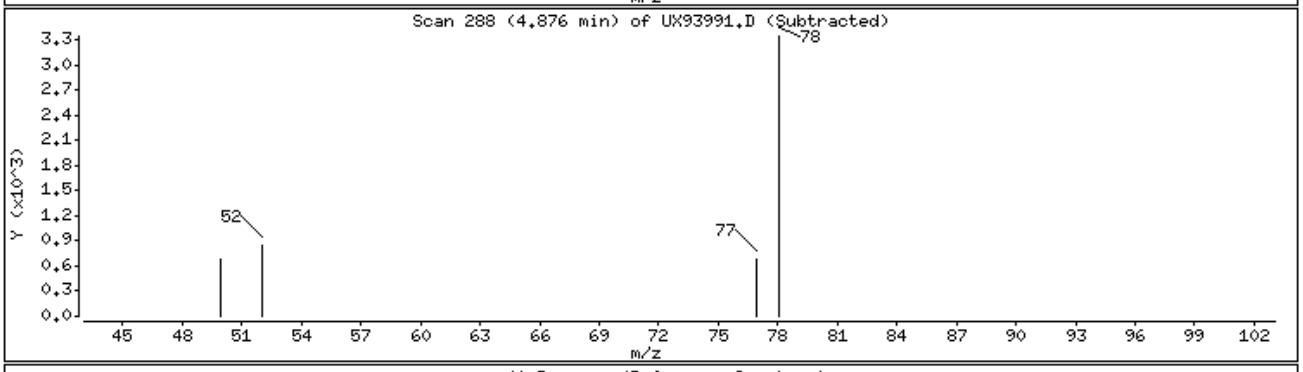
Sample Info: HCKET1AA,5ML/5ML

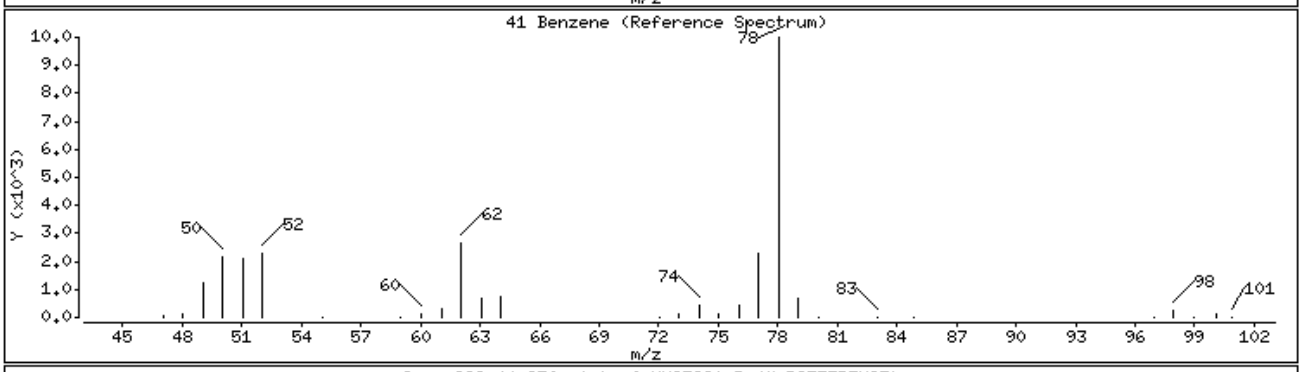
Purge Volume: 5.0 Operator: 1754

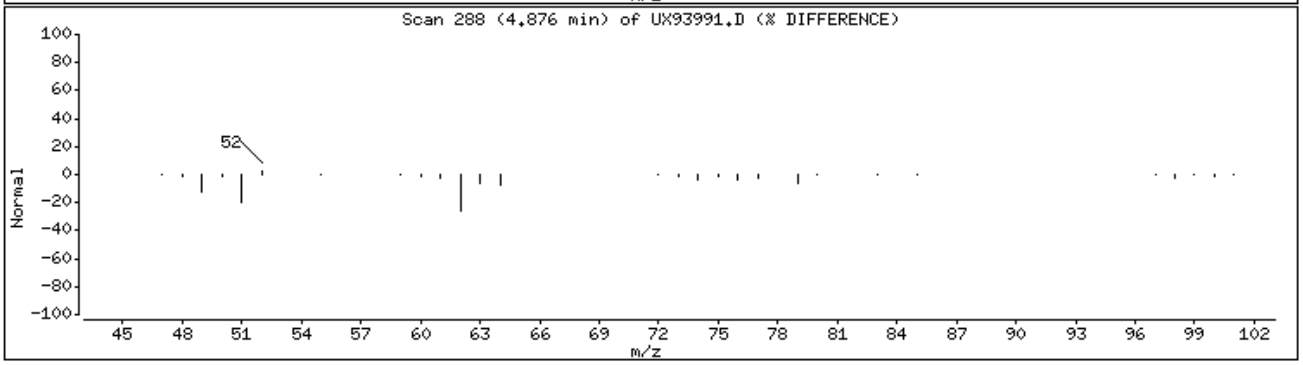
Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 0.1236 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93991.D

Date : 09-JUN-2005 17:39

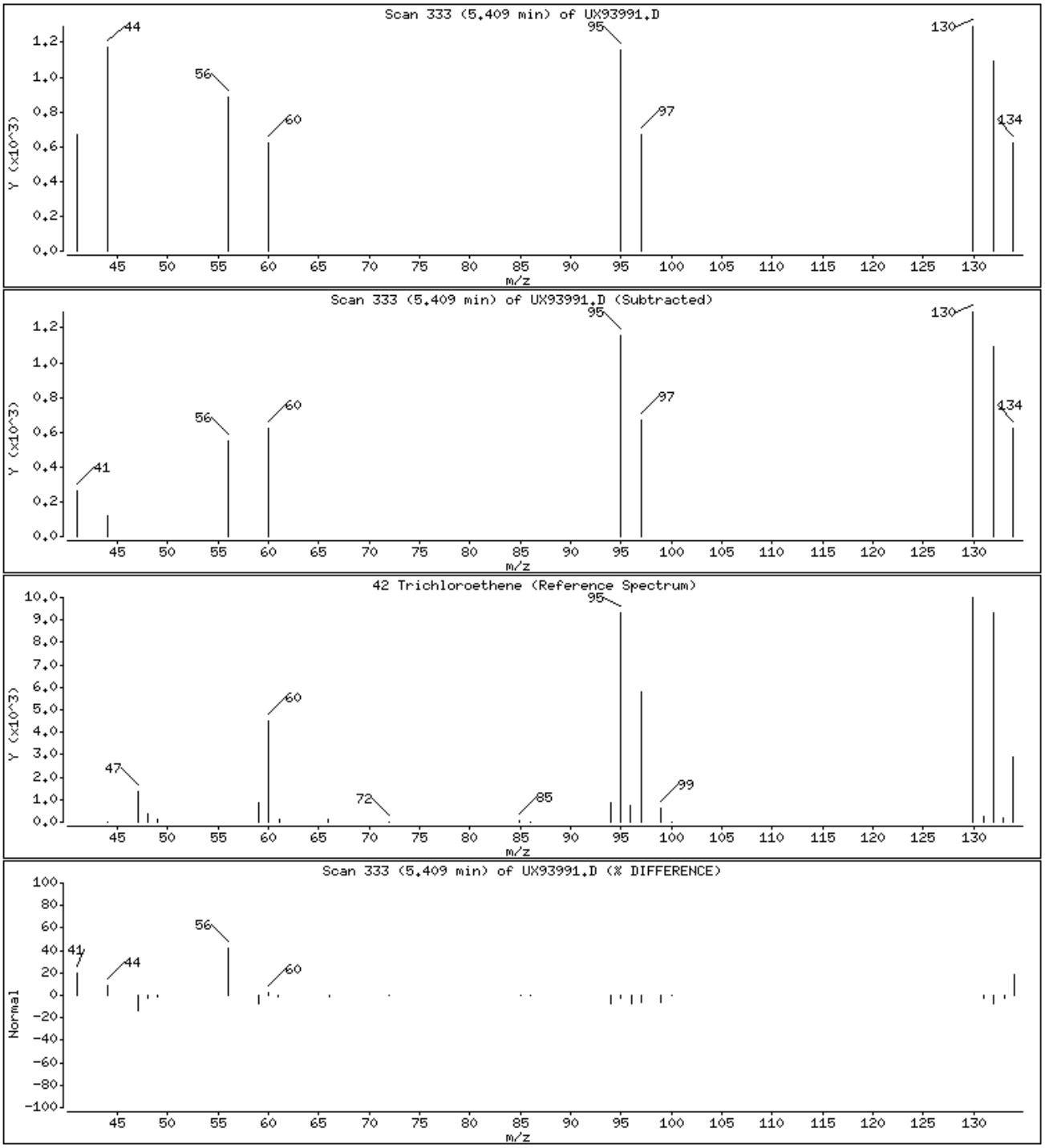
Client ID: GW-052605-JK-029 Instrument: a3ux9.i

Sample Info: HCKET1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 Column diameter: 0.18

42 Trichloroethene Concentration: 0.1605 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93991.D

Date : 09-JUN-2005 17:39

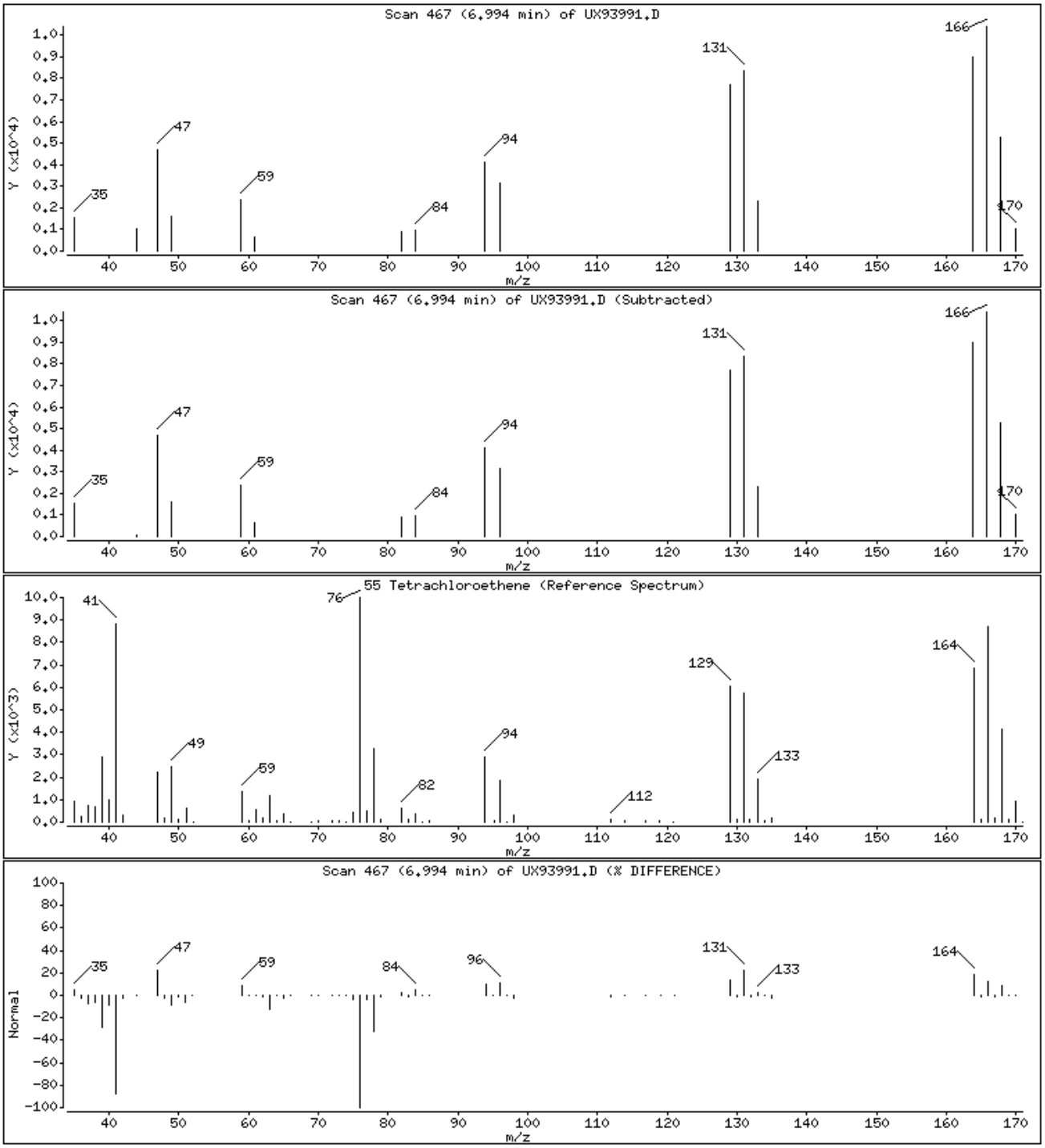
Client ID: GW-052605-JK-029 Instrument: a3ux9.i

Sample Info: HCKET1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 1.572 ug/L



Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052705-JK-030

GC/MS Volatiles

Lot-Sample #...: A5E280164-009 **Work Order #...:** HCKEV1AA **Matrix.....:** WG
Date Sampled...: 05/27/05 09:25 **Date Received..:** 05/28/05
Prep Date.....: 06/09/05 **Analysis Date..:** 06/09/05
Prep Batch #...: 5160173
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052705-JK-030

GC/MS Volatiles

Lot-Sample #...: A5E280164-009 **Work Order #...:** HCKEV1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**0.30 J**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	121	(73 - 122)
1,2-Dichloroethane-d4	117	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	76	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8945.D
Report Date: 09-Jun-2005 11:04

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8945.D
Lab Smp Id: HCKEV1AA Client Smp ID: GW-052705-JK-030
Inj Date : 09-JUN-2005 08:49
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HCKEV1AA,5ML/5ML
Misc Info : P50608B,8260LLUX10,,1904
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\8260LLUX10.m
Meth Date : 09-Jun-2005 10:51 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 28
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.010	5.008	(1.000)	955118	50.0000	
* 2 Chlorobenzene-d5	117	7.660	7.659	(1.000)	695934	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.897	9.895	(1.000)	255103	50.0000	
$ 4 Dibromofluoromethane	113	4.442	4.440	(0.887)	236498	60.6546	12.131
$ 5 1,2-Dichloroethane-d4	65	4.726	4.724	(0.943)	277523	58.2878	11.658
$ 6 Toluene-d8	98	6.359	6.357	(0.830)	661170	48.8528	9.770
$ 7 Bromofluorobenzene	95	8.761	8.759	(1.144)	188065	38.2051	7.641
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8945.D
Report Date: 09-Jun-2005 11:04

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.915	6.913 (0.903)		5024	1.47882	0.2958
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

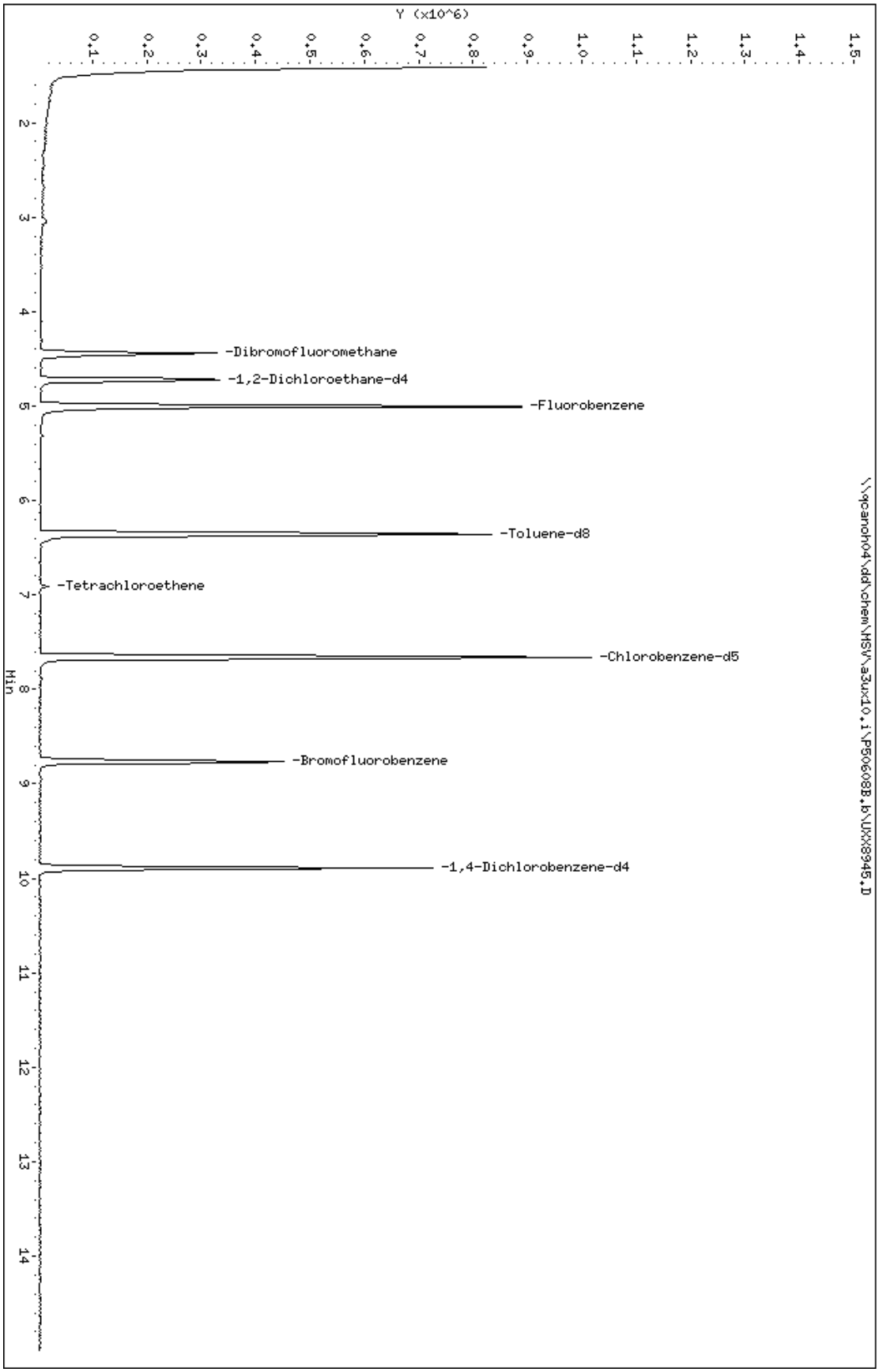
76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8945.D
Report Date: 09-Jun-2005 11:04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8945.D
Date : 09-JUN-2005 08:49
Client ID: GW-052705-JK-030
Sample Info: HCKEV1AA,5ML/5ML
Purge Volume: 5.0
Column Phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8945.D

Date : 09-JUN-2005 08:49

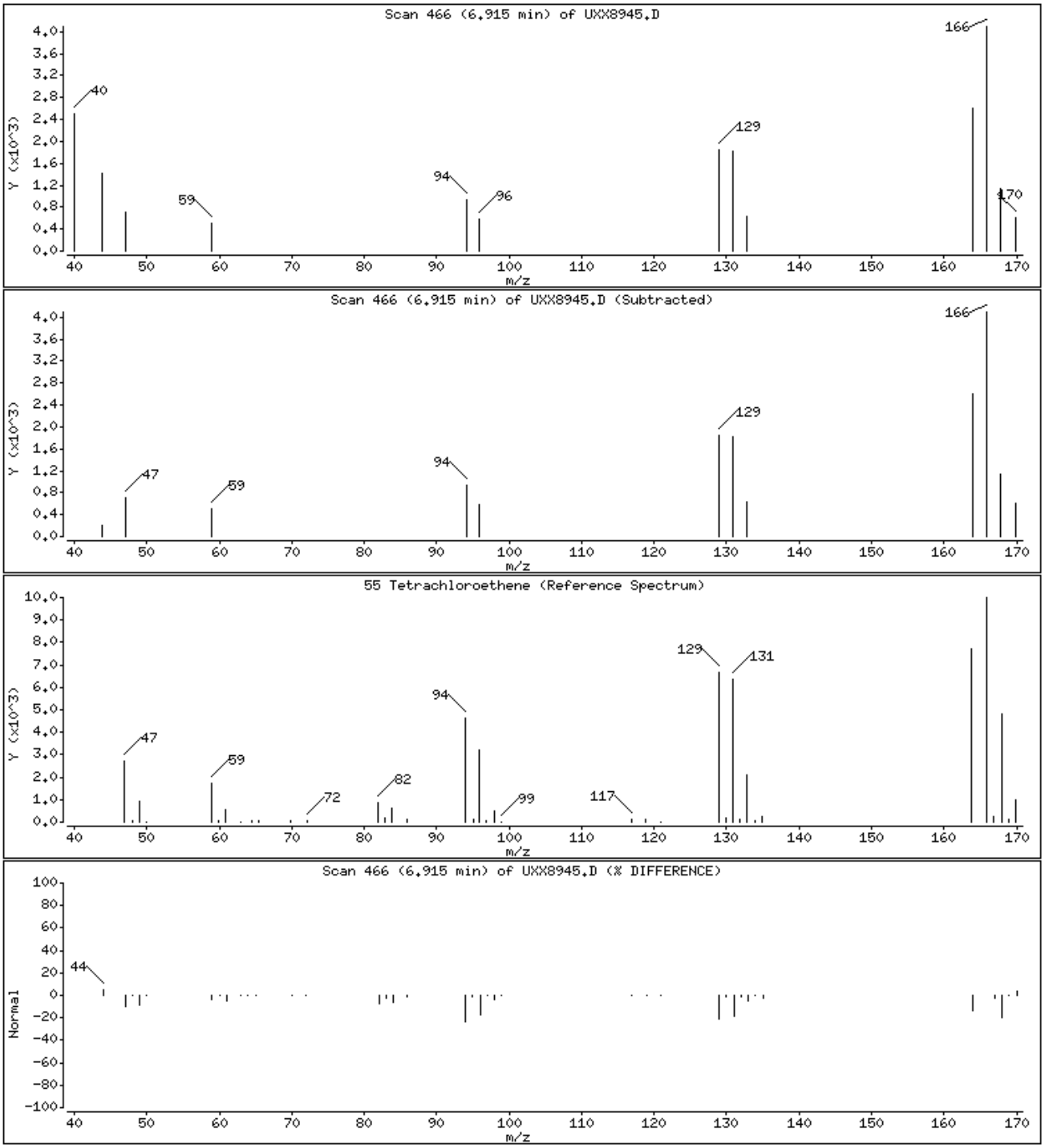
Client ID: GW-052705-JK-030 Instrument: a3ux10.i

Sample Info: HCKEV1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 0.2958 ug/L



Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052705-JK-031

GC/MS Volatiles

Lot-Sample #...: A5E280164-010 **Work Order #...:** HCKEX1AA **Matrix.....:** WG
Date Sampled...: 05/27/05 09:35 **Date Received..:** 05/28/05
Prep Date.....: 06/09/05 **Analysis Date..:** 06/09/05
Prep Batch #...: 5160173
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052705-JK-031

GC/MS Volatiles

Lot-Sample #...: A5E280164-010 **Work Order #...:** HCKEX1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	**0.84 J,B**	**1.0**	**ug/L**
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	76	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8934.D
Report Date: 09-Jun-2005 11:02

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8934.D
Lab Smp Id: HCKEX1AA Client Smp ID: GW-052705-JK-031
Inj Date : 09-JUN-2005 03:57
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HCKEX1AA,5ML/5ML
Misc Info : P50608B,8260LLUX10,1-8260GM.SUB,1904
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\8260LLUX10.m
Meth Date : 09-Jun-2005 10:51 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.009	5.008	(1.000)	1011549	50.0000	
* 2 Chlorobenzene-d5	117	7.659	7.659	(1.000)	741184	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.896	9.895	(1.000)	282991	50.0000	
$ 4 Dibromofluoromethane	113	4.441	4.440	(0.887)	225821	54.6853	10.937
$ 5 1,2-Dichloroethane-d4	65	4.725	4.724	(0.943)	265612	52.6740	10.535
$ 6 Toluene-d8	98	6.358	6.357	(0.830)	679431	47.1372	9.427
$ 7 Bromofluorobenzene	95	8.760	8.759	(1.144)	200366	38.2190	7.644
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.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					
24 Methyl tert-butyl ether	73	Compound Not Detected.					
25 trans-1,2-Dichloroethene	96	Compound Not Detected.					

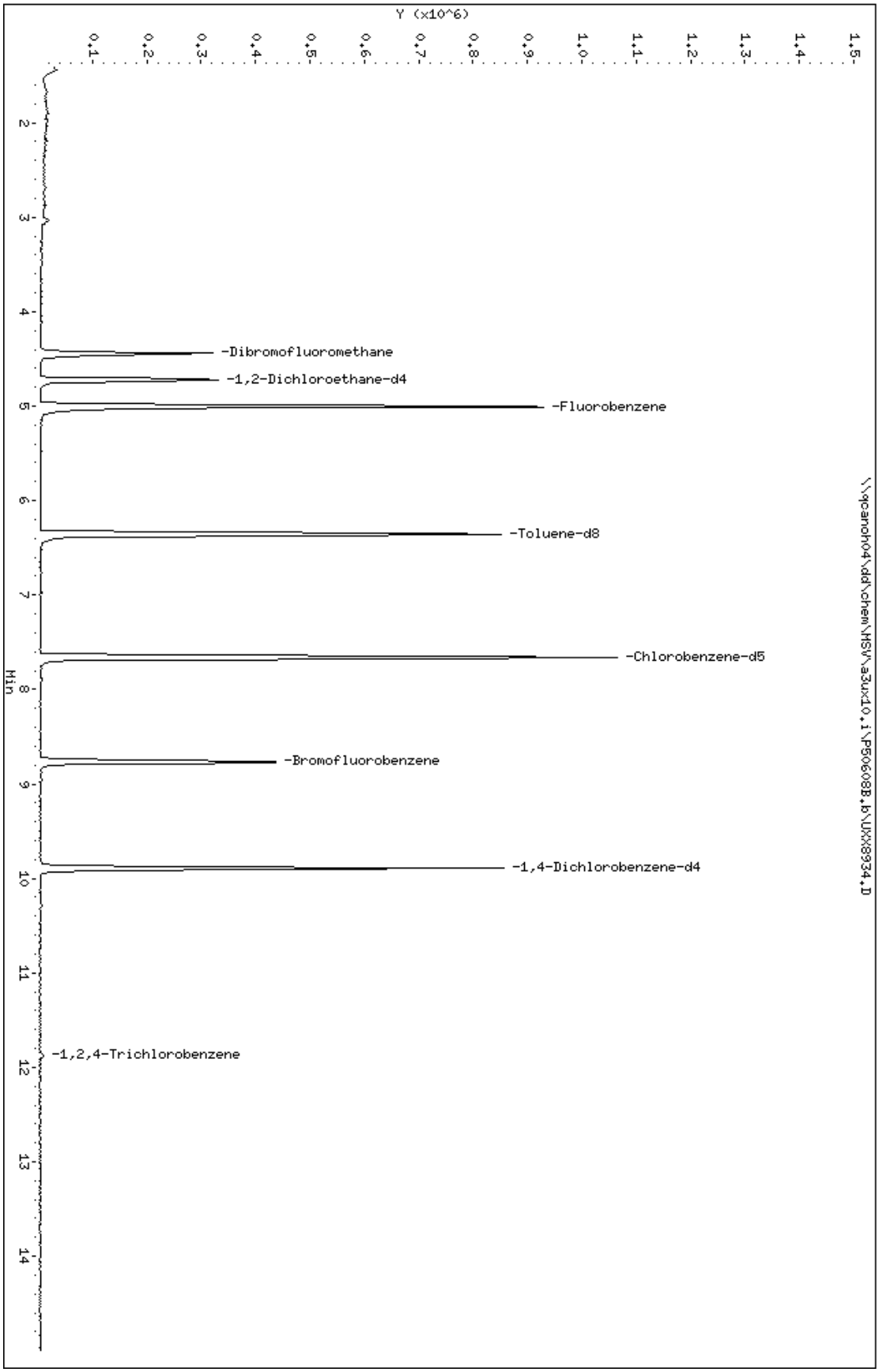
28	1,1-Dichloroethane	63	Compound Not Detected.
30	2-Butanone	43	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8934.D
Report Date: 09-Jun-2005 11:02

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
M 31	1,2-Dichloroethene (total)	96	Compound Not Detected.					
32	cis-1,2-dichloroethene	96	Compound Not Detected.					
35	Chloroform	83	Compound Not Detected.					
37	1,1,1-Trichloroethane	97	Compound Not Detected.					
39	Carbon Tetrachloride	117	Compound Not Detected.					
40	1,2-Dichloroethane	62	Compound Not Detected.					
41	Benzene	78	Compound Not Detected.					
42	Trichloroethene	130	Compound Not Detected.					
43	1,2-Dichloropropane	63	Compound Not Detected.					
46	Bromodichloromethane	83	Compound Not Detected.					
48	cis-1,3-Dichloropropene	75	Compound Not Detected.					
49	4-Methyl-2-pentanone	43	Compound Not Detected.					
50	Toluene	91	Compound Not Detected.					
51	trans-1,3-Dichloropropene	75	Compound Not Detected.					
53	1,1,2-Trichloroethane	97	Compound Not Detected.					
55	Tetrachloroethene	164	Compound Not Detected.					
56	2-Hexanone	43	Compound Not Detected.					
57	Dibromochloromethane	129	Compound Not Detected.					
58	1,2-Dibromoethane	107	Compound Not Detected.					
59	Chlorobenzene	112	Compound Not Detected.					
61	Ethylbenzene	106	Compound Not Detected.					
62	m + p-Xylene	106	Compound Not Detected.					
M 63	Xylenes (total)	106	Compound Not Detected.					
64	Xylene-o	106	Compound Not Detected.					
65	Styrene	104	Compound Not Detected.					
66	Bromoform	173	Compound Not Detected.					
67	Isopropylbenzene	105	Compound Not Detected.					
68	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	11.884	11.883	(1.201)	5165	4.19074	0.8381
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P506608B.b\UXX8934.D
Date : 09-JUN-2005 03:57
Client ID: GW-052705-JK-031
Sample Info: HCXEX1AA,5ML/5ML
Purge Volume: 5.0
Column Phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8934.D

Date : 09-JUN-2005 03:57

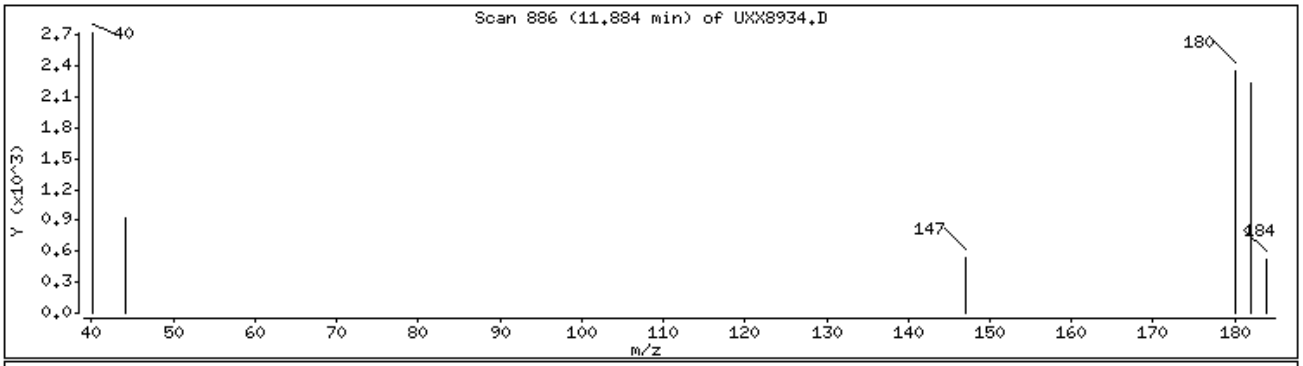
Client ID: GW-052705-JK-031 Instrument: a3ux10.i

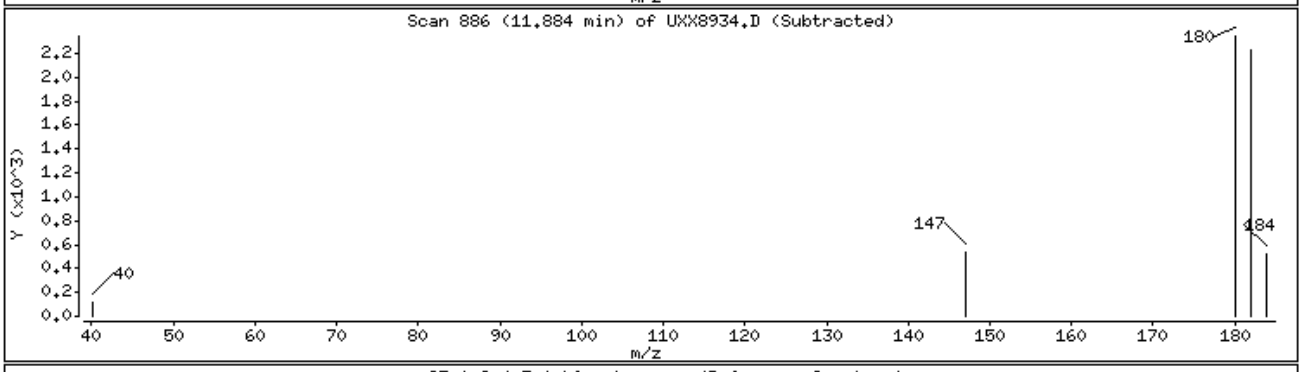
Sample Info: HCKEX1AA,5ML/5ML

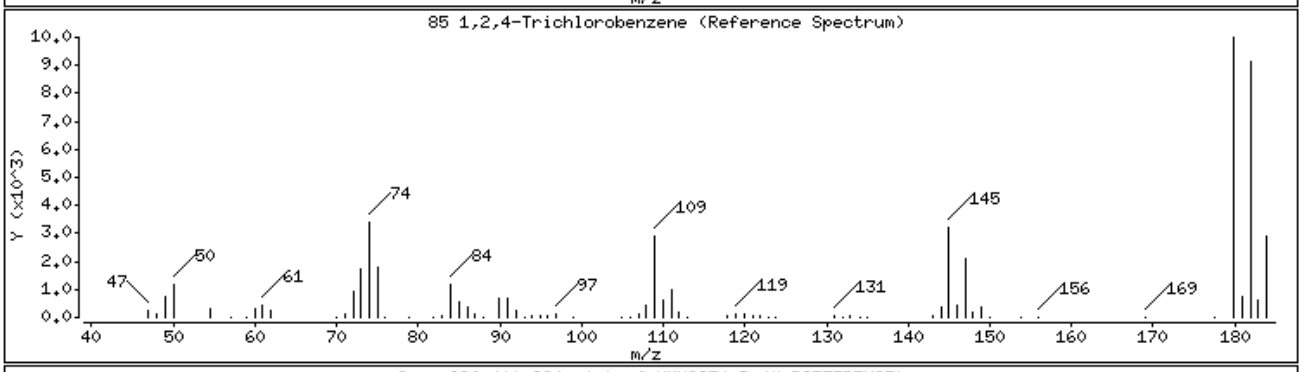
Purge Volume: 5.0 Operator: 1904

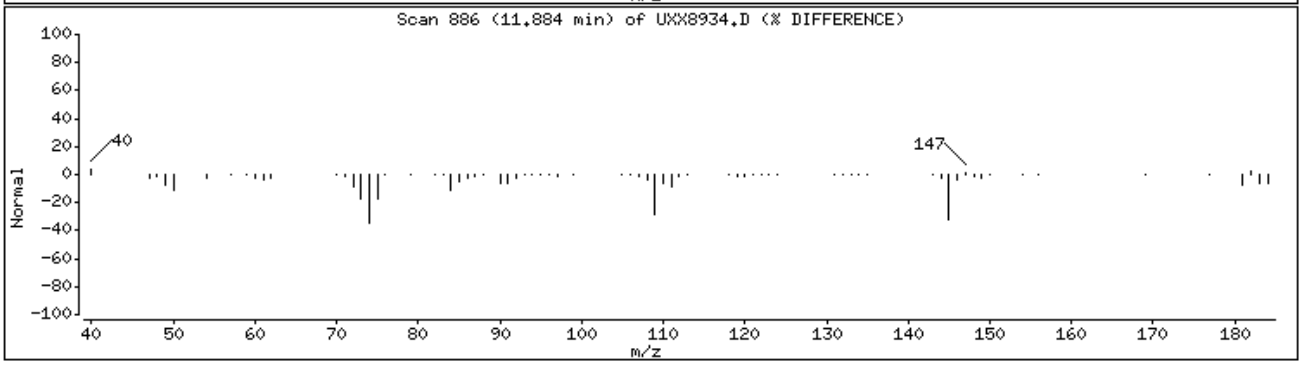
Column phase: DB624 Column diameter: 0.18

85 1,2,4-Trichlorobenzene Concentration: 0.8381 ug/L









Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052705-JK-032

GC/MS Volatiles

Lot-Sample #...: A5E280164-011 **Work Order #...:** HCKE01AA **Matrix.....:** WG
Date Sampled...: 05/27/05 10:40 **Date Received..:** 05/28/05
Prep Date.....: 06/09/05 **Analysis Date..:** 06/09/05
Prep Batch #...: 5161119
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-052705-JK-032

GC/MS Volatiles

Lot-Sample #...: A5E280164-011 **Work Order #...:** HCKE01AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
1,2-Dichloroethane-d4	87	(61 - 128)
Toluene-d8	107	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93992.D
Report Date: 10-Jun-2005 11:21

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93992.D
Lab Smp Id: HCKE01AA Client Smp ID: GW-052705-JK-032
Inj Date : 09-JUN-2005 18:02
Operator : 1754 Inst ID: a3ux9.i
Smp Info : HCKE01AA,5ML/5ML
Misc Info : N50609B,8260MIUX9,,1754
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\8260MIUX9.m
Meth Date : 10-Jun-2005 11:18 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.098	5.097	(1.000)	561384	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	423912	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.985	9.984	(1.000)	167561	50.0000	
$ 4 Dibromofluoromethane	113	4.542	4.541	(0.891)	118501	51.4804	10.296
$ 5 1,2-Dichloroethane-d4	65	4.826	4.825	(0.947)	114699	43.7022	8.740
$ 6 Toluene-d8	98	6.447	6.446	(0.832)	617766	53.3493	10.670
$ 7 Bromofluorobenzene	95	8.849	8.848	(1.142)	205876	46.2144	9.243
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.790	2.790	(0.547)	9902	2.48565	0.4971
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93992.D
Report Date: 10-Jun-2005 11:21

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.885	4.884	(0.958)	7876	0.63083	0.1262
	42 Trichloroethene	130	5.406	5.405	(1.060)	2009	0.65643	0.1313
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.003	7.002	(0.904)	2259	0.88279	0.1766
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

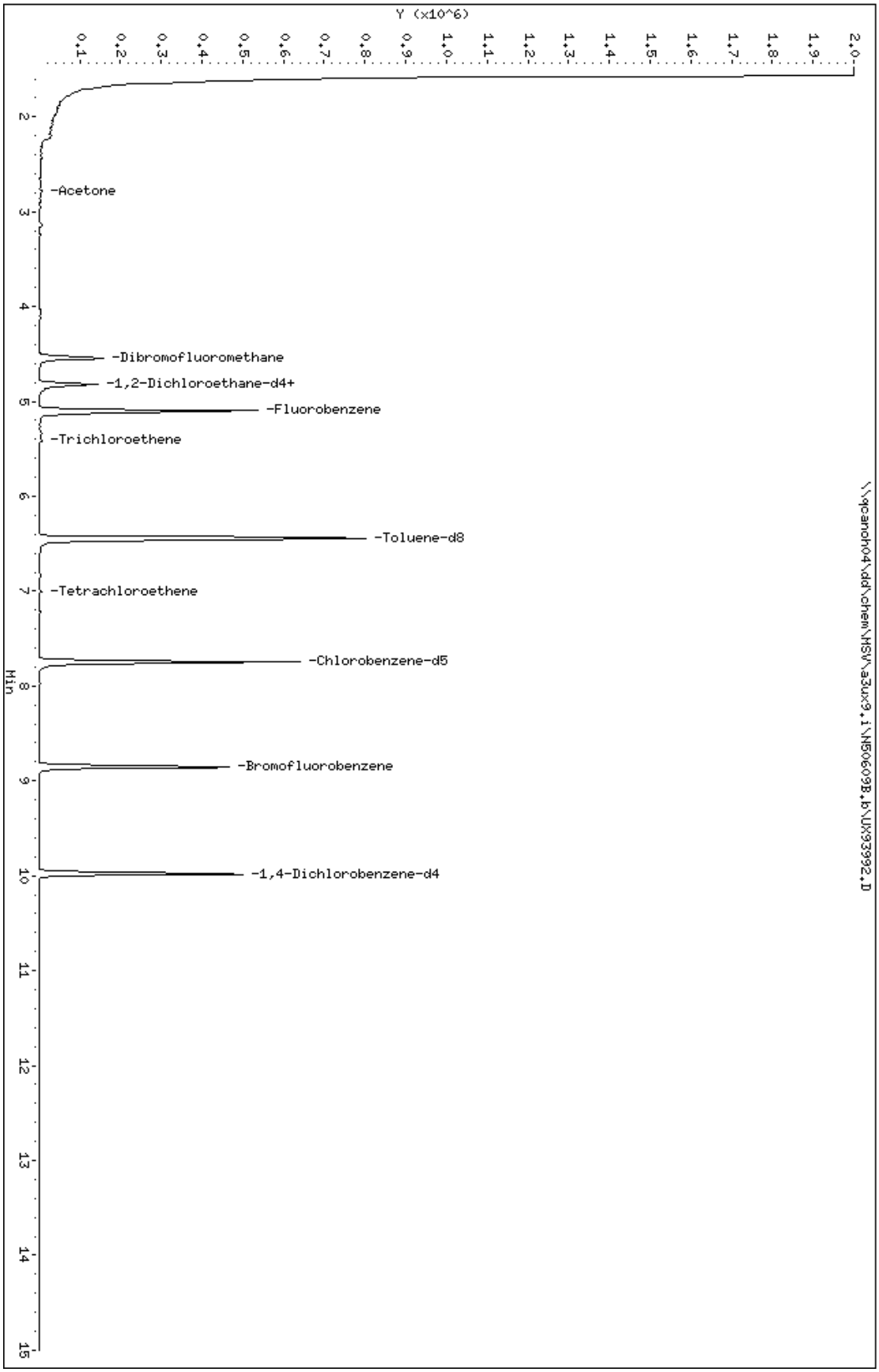
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93992.D
Report Date: 10-Jun-2005 11:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93992.D
Date : 09-JUN-2005 18:02
Client ID: GW-052705-JK-032
Sample Info: HCKE01AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9.i
Operator: 1754
Column diameter: 0.18



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Date : 09-JUN-2005 18:02

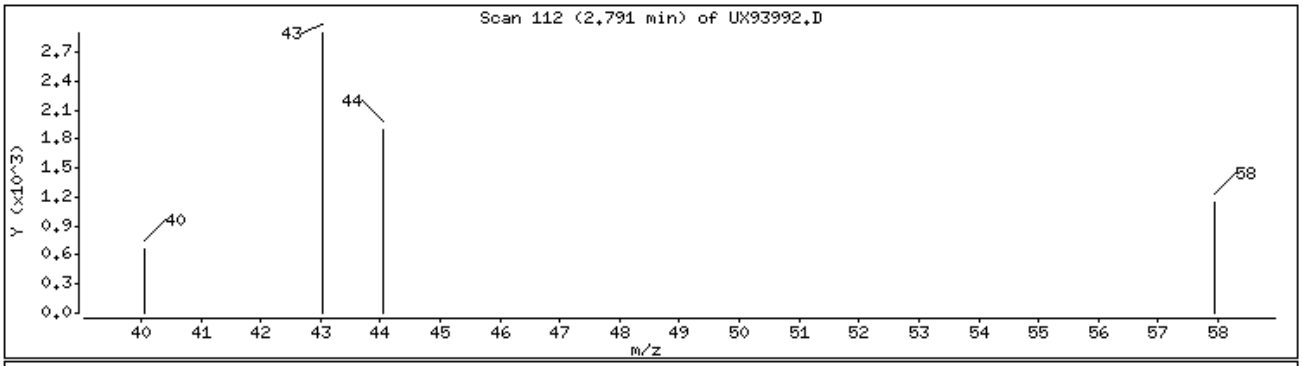
Client ID: GW-052705-JK-032 Instrument: a3ux9.i

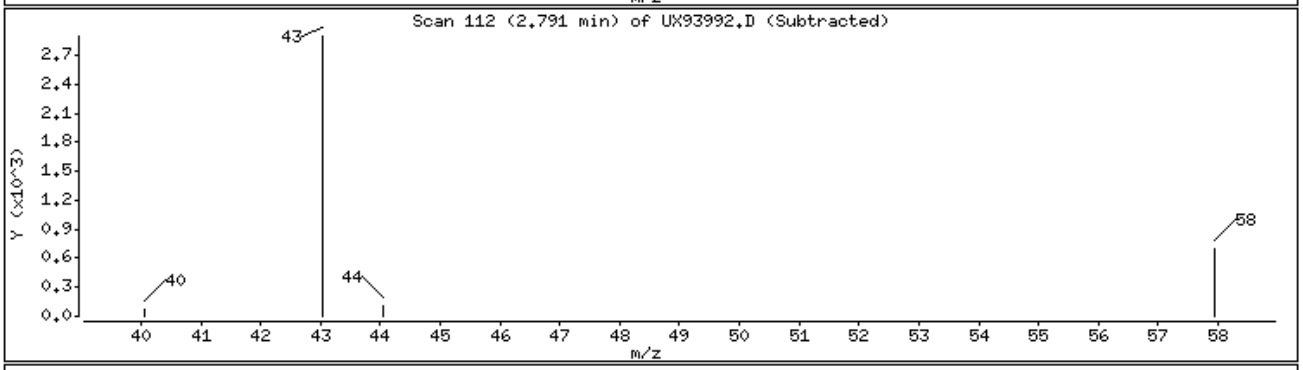
Sample Info: HCKE01AA,5ML/5ML

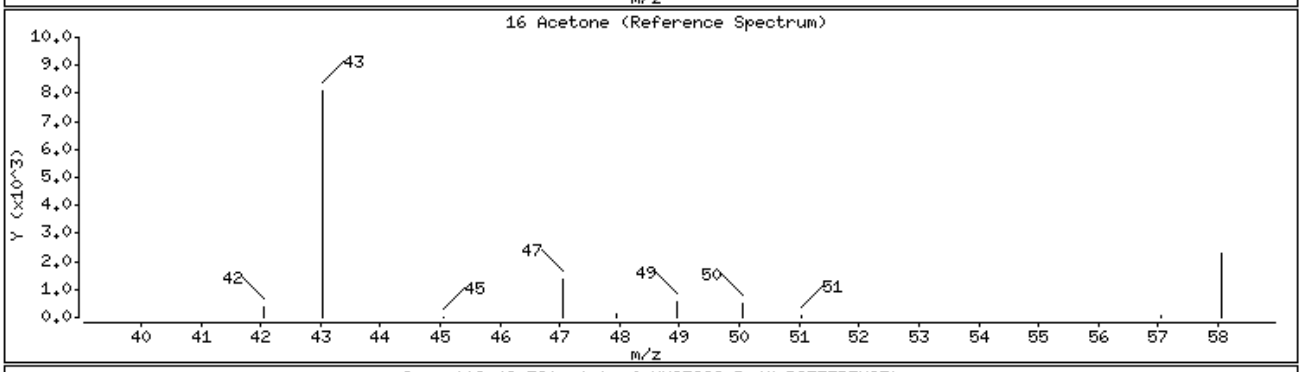
Purge Volume: 5.0 Operator: 1754

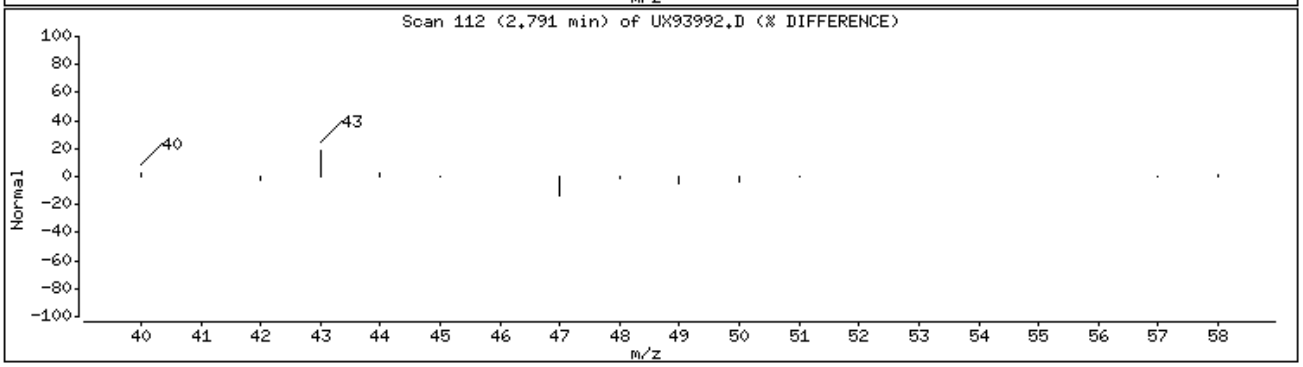
Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 0.4971 ug/L









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Date : 09-JUN-2005 18:02

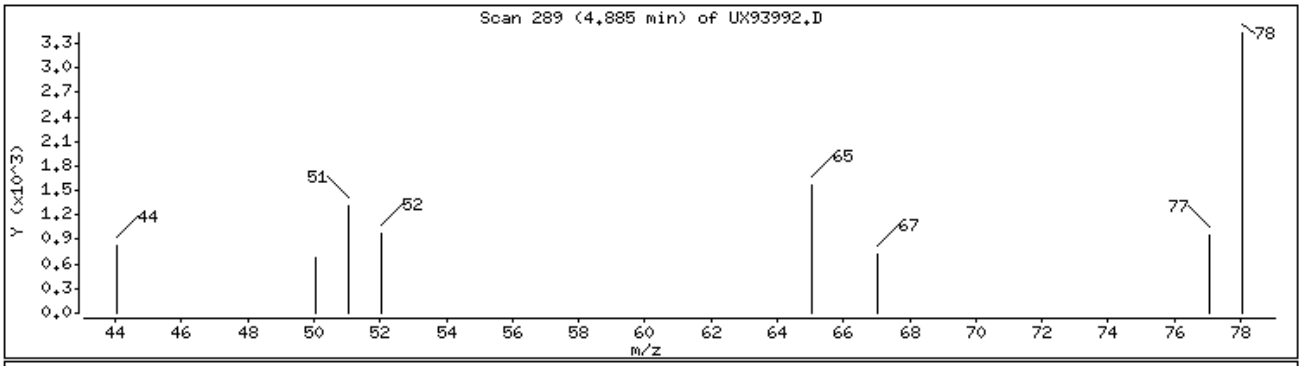
Client ID: GW-052705-JK-032 Instrument: a3ux9.i

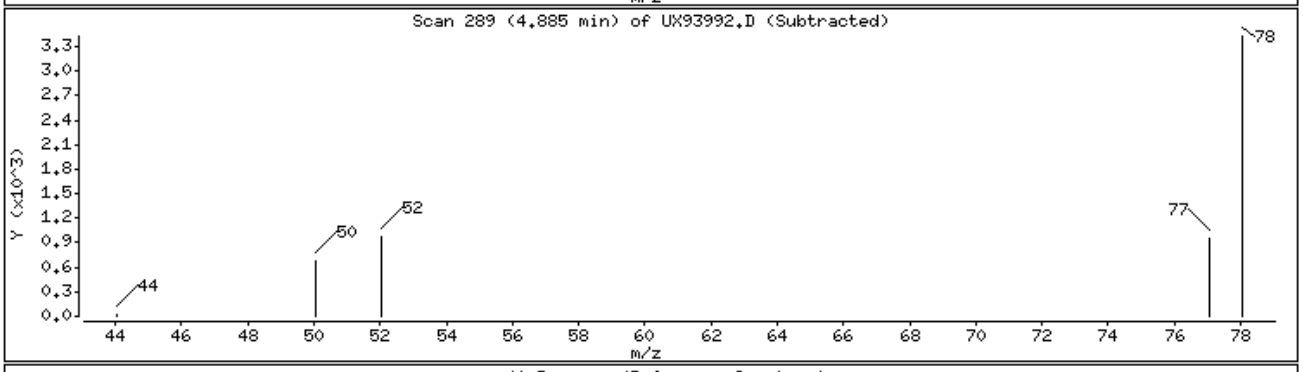
Sample Info: HCKE01AA,5ML/5ML

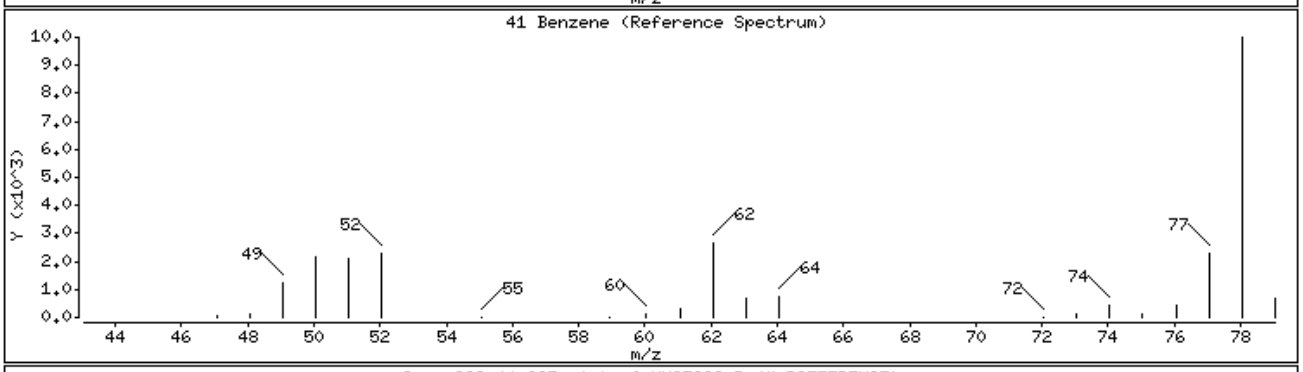
Purge Volume: 5.0 Operator: 1754

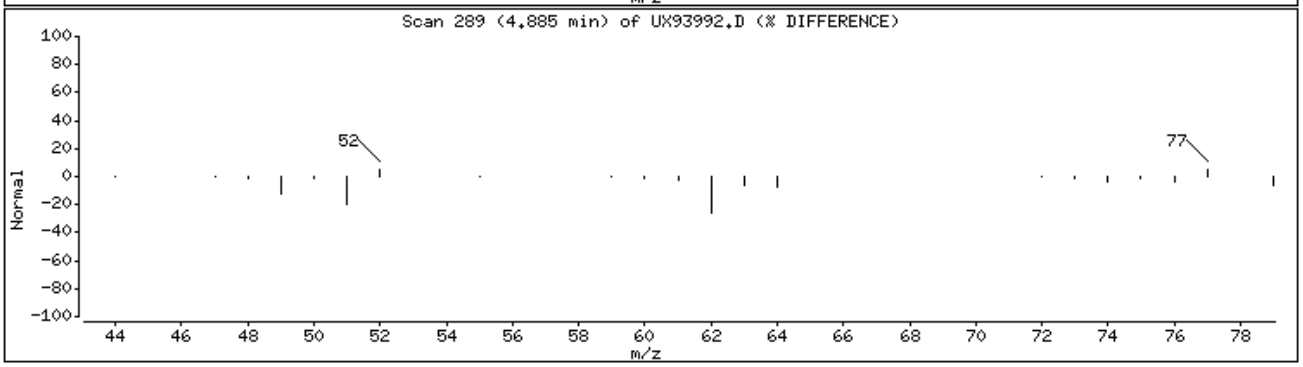
Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 0.1262 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93992.D

Date : 09-JUN-2005 18:02

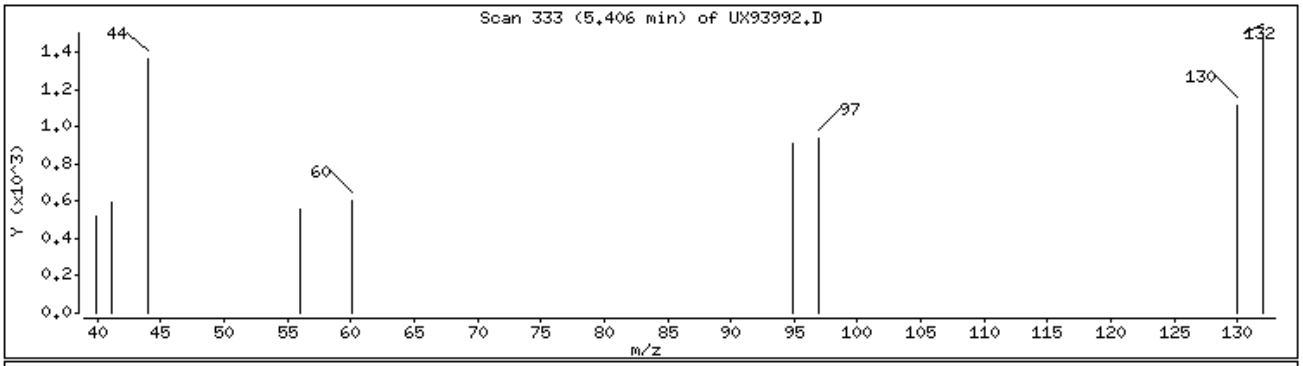
Client ID: GW-052705-JK-032 Instrument: a3ux9.i

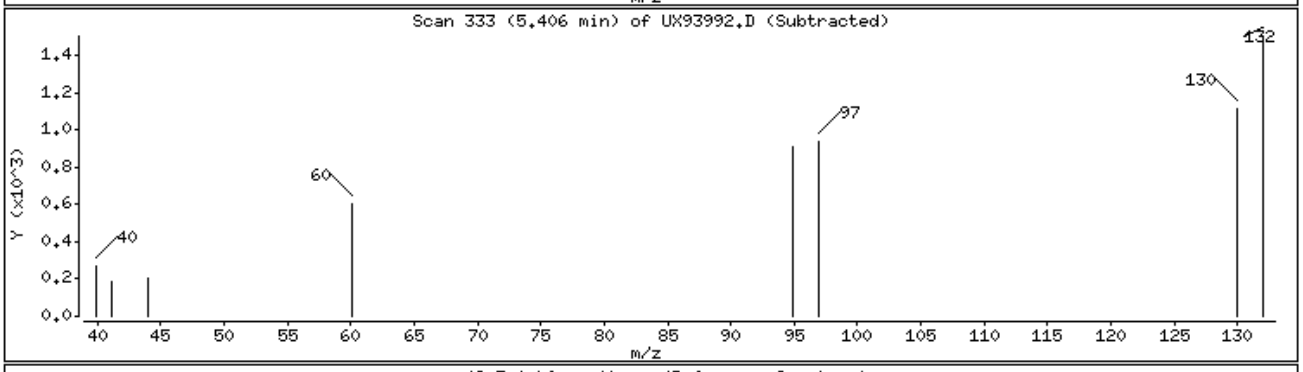
Sample Info: HCKE01AA,5ML/5ML

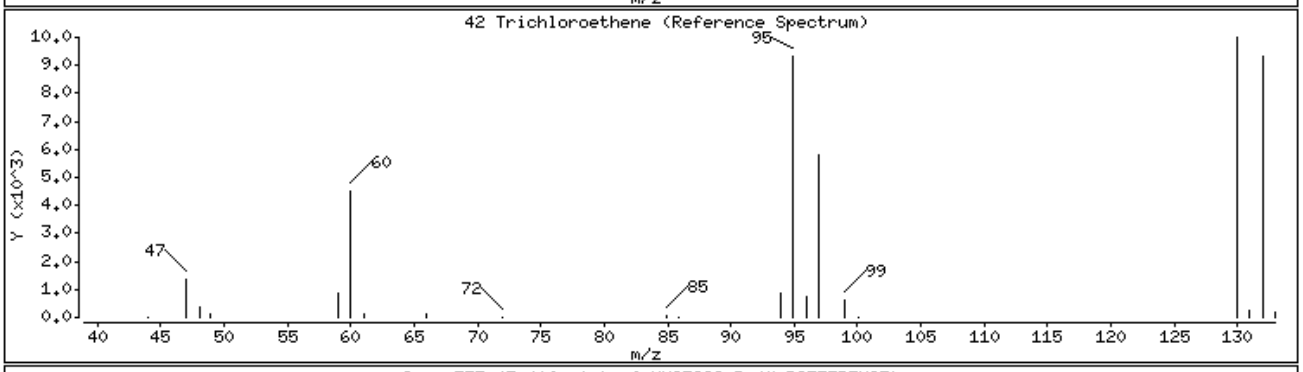
Purge Volume: 5.0 Operator: 1754

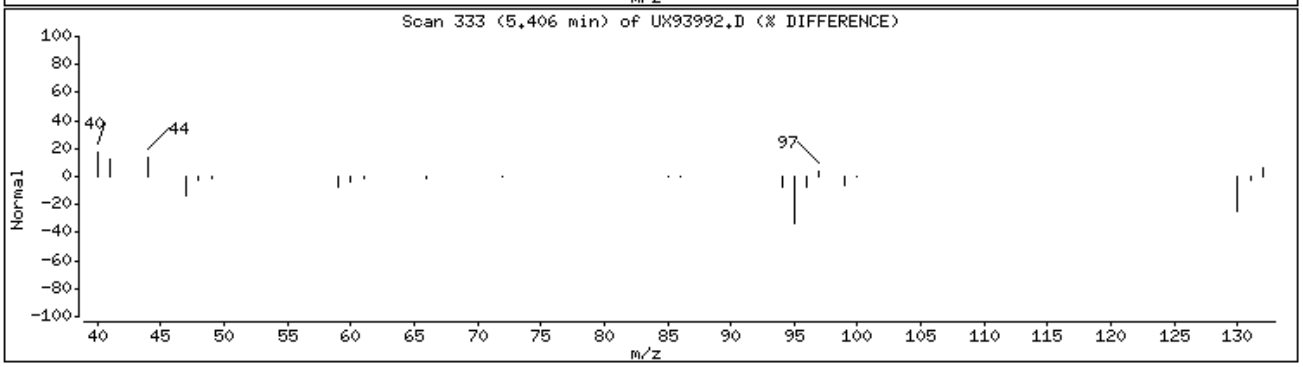
Column phase: DB624 Column diameter: 0.18

42 Trichloroethene Concentration: 0.1313 ug/L









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Date : 09-JUN-2005 18:02

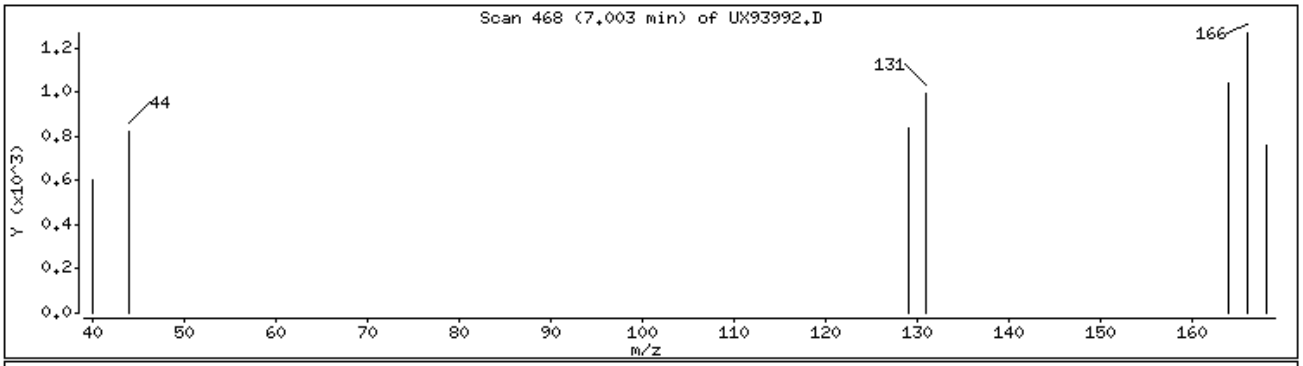
Client ID: GW-052705-JK-032 Instrument: a3ux9.i

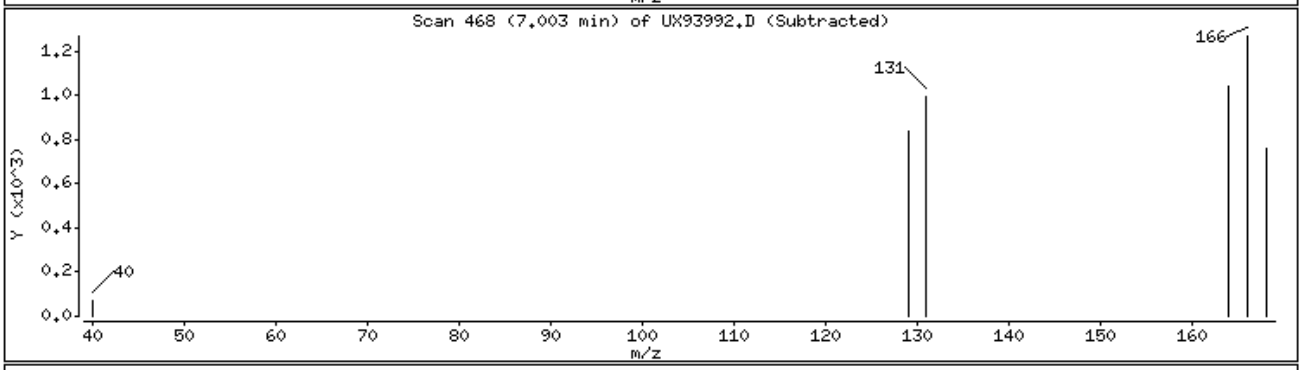
Sample Info: HCKE01AA,5ML/5ML

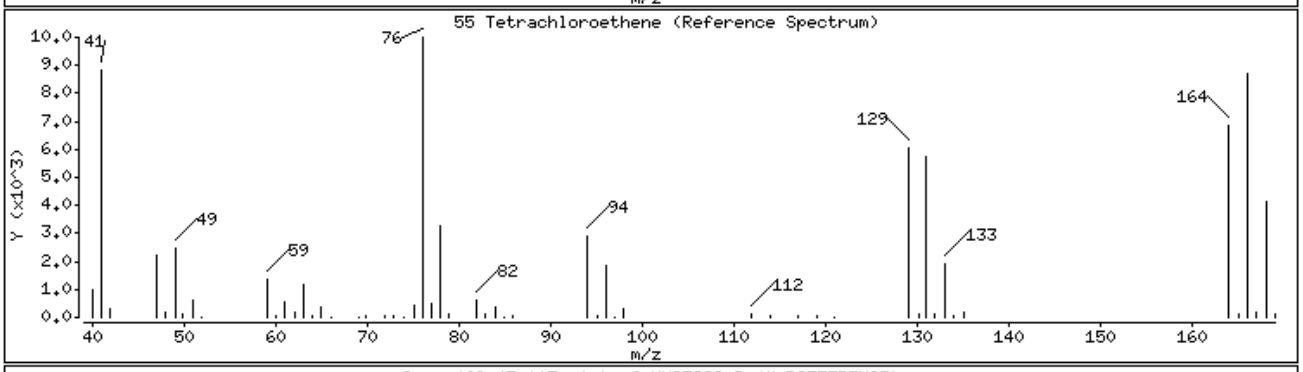
Purge Volume: 5.0 Operator: 1754

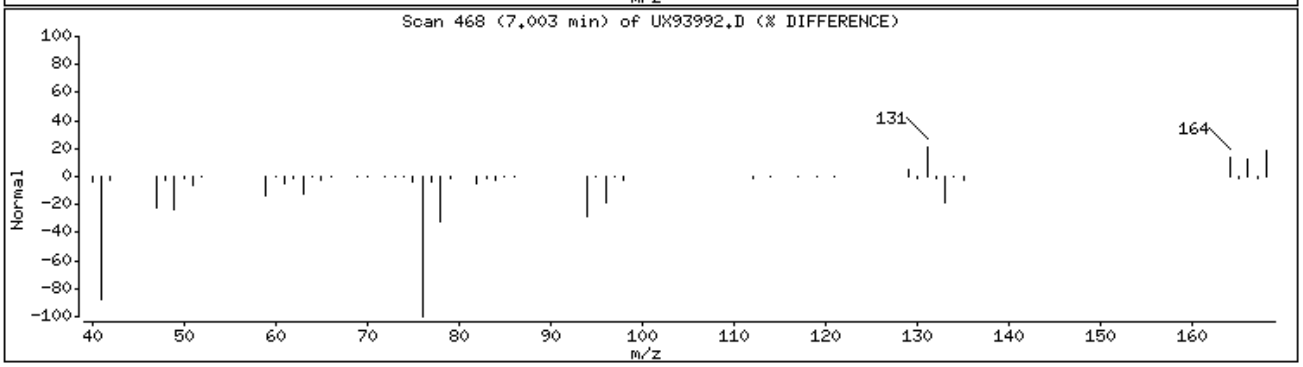
Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 0.1766 ug/L









Conestoga-Rovers & Associates, Inc.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A5E280164-012 **Work Order #...:** HCKE11AA **Matrix.....:** WQ
Date Sampled...: 05/27/05 **Date Received..:** 05/28/05
Prep Date.....: 06/09/05 **Analysis Date..:** 06/09/05
Prep Batch #...: 5161119
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A5E280164-012 **Work Order #...:** HCKE11AA **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(73 - 122)
1,2-Dichloroethane-d4	87	(61 - 128)
Toluene-d8	109	(76 - 110)
4-Bromofluorobenzene	90	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93993.D
Report Date: 10-Jun-2005 11:21

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93993.D
Lab Smp Id: HCKE11AA Client Smp ID: TRIP BLANK
Inj Date : 09-JUN-2005 18:24
Operator : 1754 Inst ID: a3ux9.i
Smp Info : HCKE11AA,5ML/5ML
Misc Info : N50609B,8260MIUX9,,1754
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\8260MIUX9.m
Meth Date : 10-Jun-2005 11:18 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.099	5.097	(1.000)	564879	50.0000	
* 2 Chlorobenzene-d5	117	7.750	7.748	(1.000)	423133	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.986	9.984	(1.000)	160435	50.0000	
$ 4 Dibromofluoromethane	113	4.543	4.541	(0.891)	115302	49.7807	9.956
$ 5 1,2-Dichloroethane-d4	65	4.815	4.825	(0.944)	114233	43.2553	8.651
$ 6 Toluene-d8	98	6.448	6.446	(0.832)	628248	54.3544	10.871
$ 7 Bromofluorobenzene	95	8.850	8.848	(1.142)	199208	44.7999	8.960
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.792	2.790	(0.548)	9284	1.75641	0.3513
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93993.D
Report Date: 10-Jun-2005 11:21

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.886	4.884	(0.958)	6468	0.51485	0.1030
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.507	6.505	(0.840)	11685	0.82382	0.1648
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

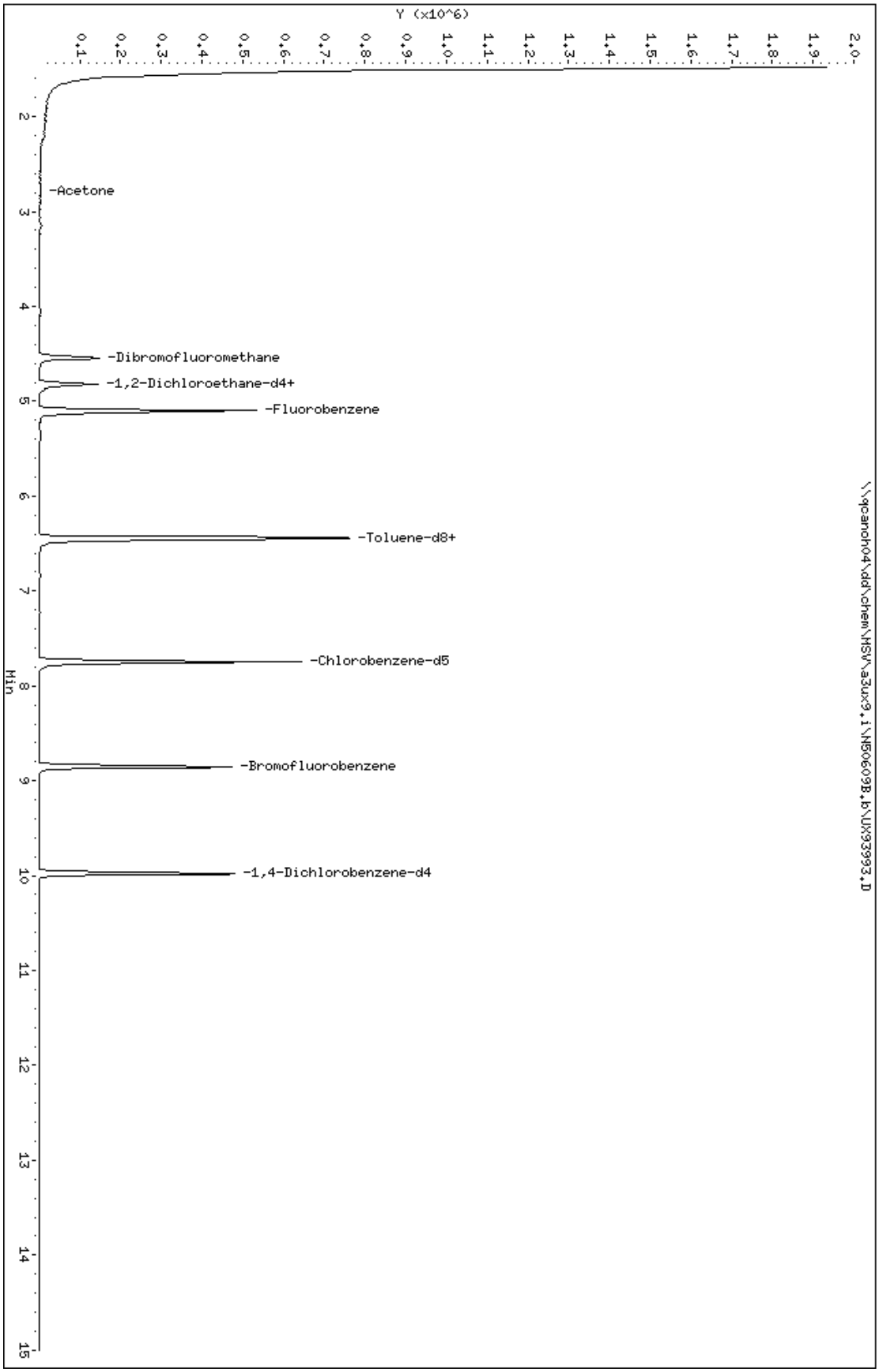
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93993.D
Report Date: 10-Jun-2005 11:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93993.D
Date : 09-JUN-2005 18:24
Client ID: TRIP BLANK
Sample Info: HCKE11AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9.i
Operator: 1754
Column diameter: 0.18



\\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93993.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93993.D

Date : 09-JUN-2005 18:24

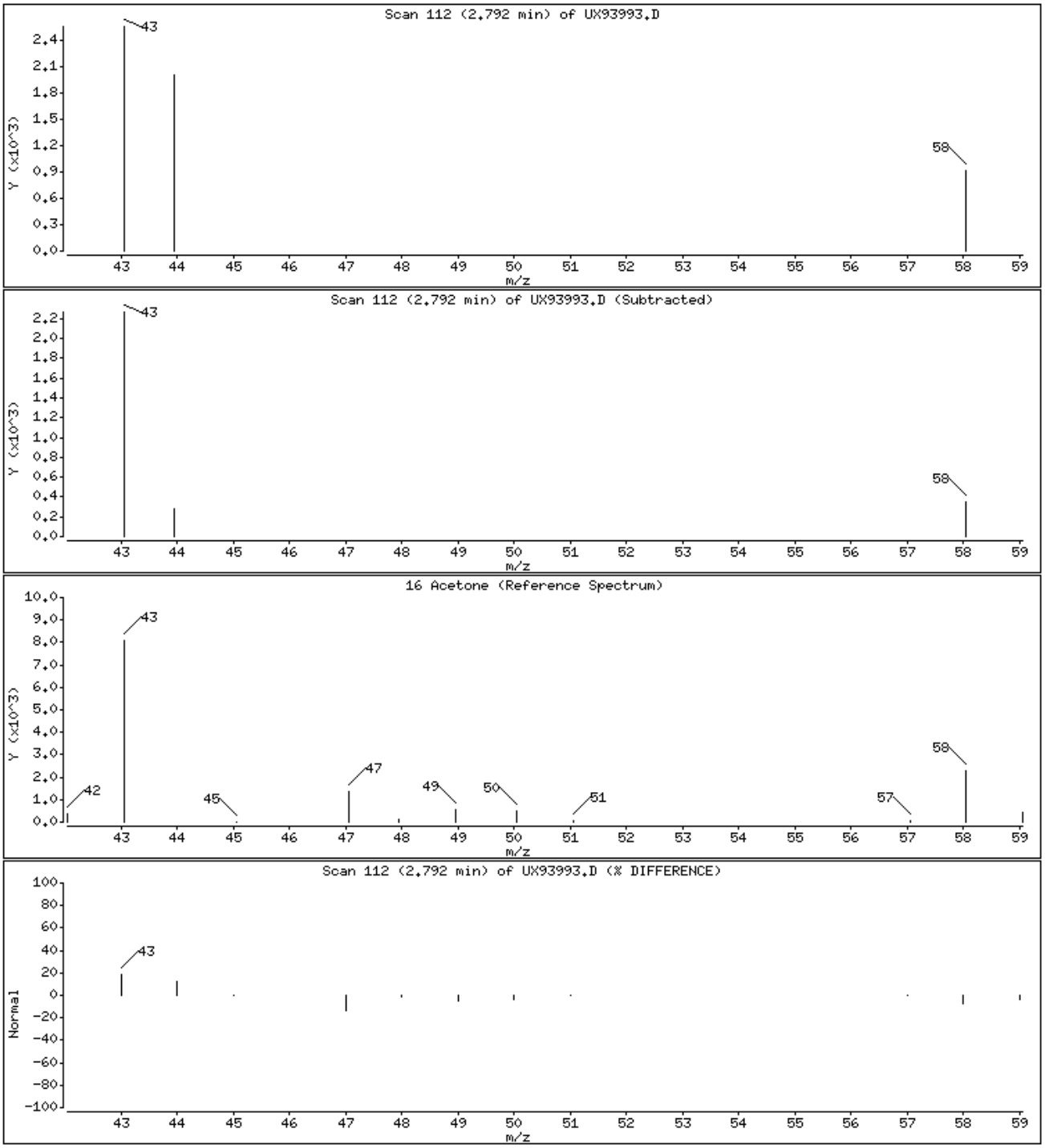
Client ID: TRIP BLANK | Instrument: a3ux9.i

Sample Info: HCKE11AA,5ML/5ML

Purge Volume: 5.0 | Operator: 1754

Column phase: DB624 | Column diameter: 0.18

16 Acetone | Concentration: 0.3513 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93993.D

Date : 09-JUN-2005 18:24

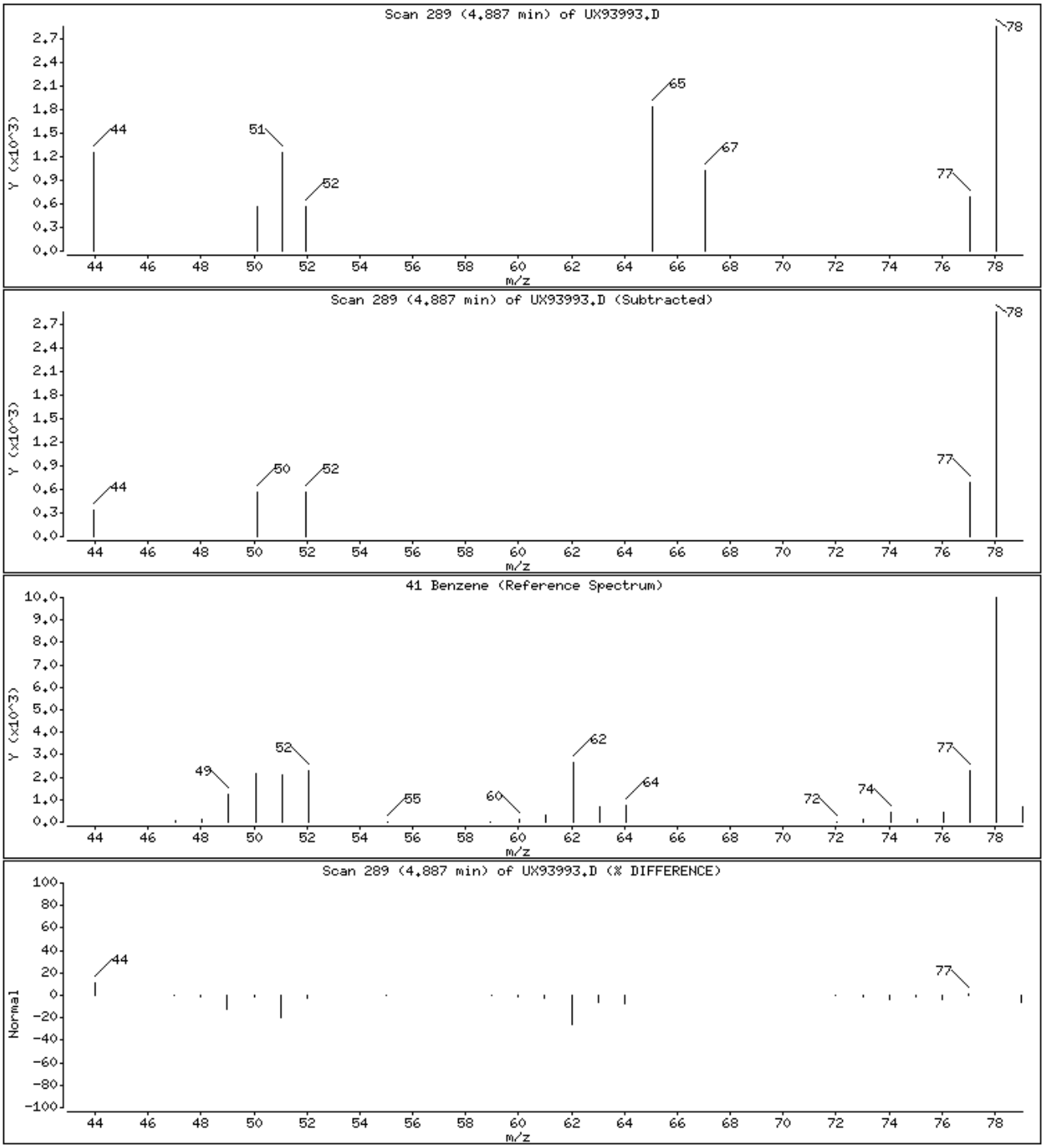
Client ID: TRIP BLANK | Instrument: a3ux9.i

Sample Info: HCKE11AA,5ML/5ML

Purge Volume: 5.0 | Operator: 1754

Column phase: DB624 | Column diameter: 0.18

41 Benzene | Concentration: 0.1030 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93993.D

Date : 09-JUN-2005 18:24

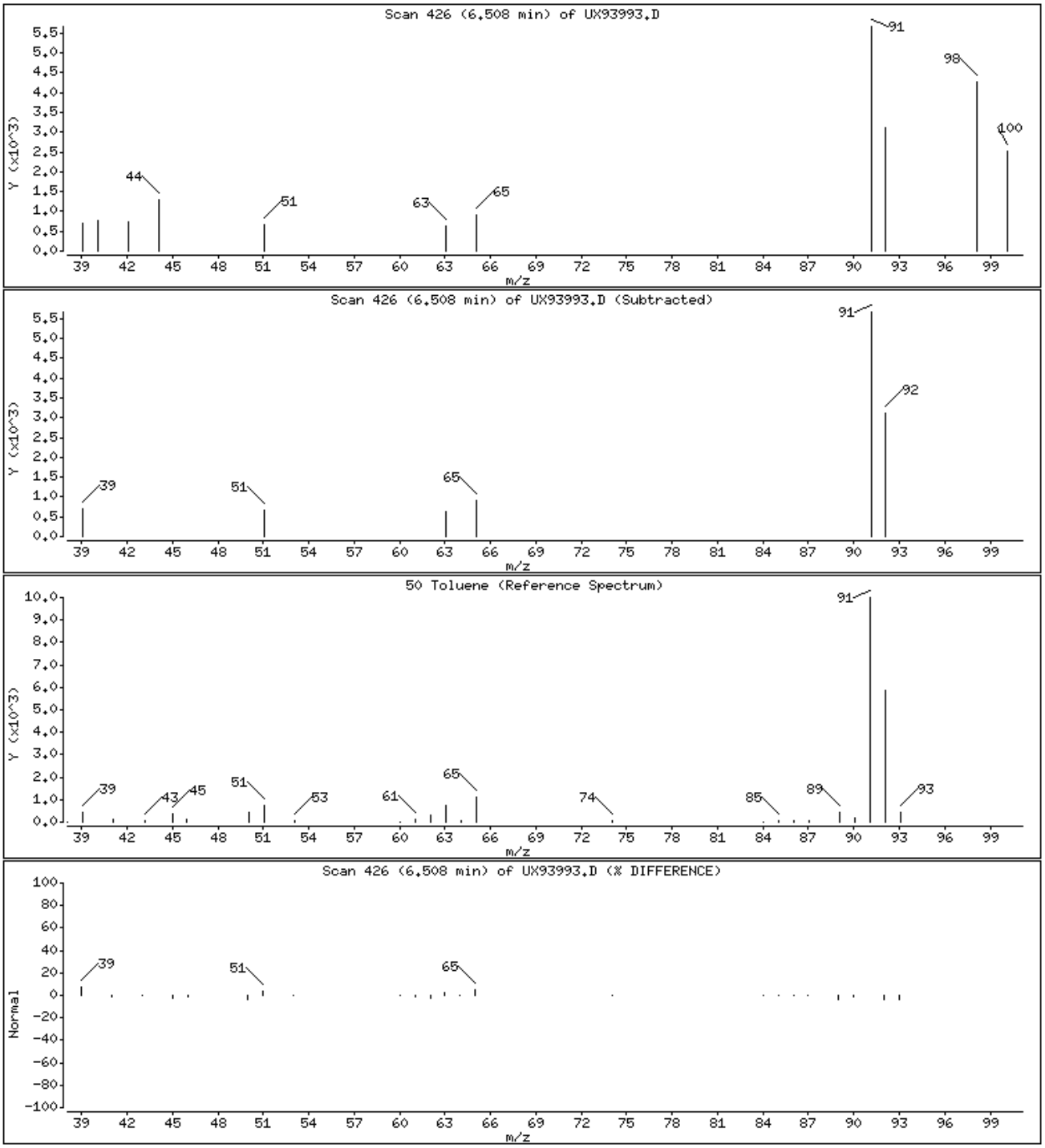
Client ID: TRIP BLANK | Instrument: a3ux9.i

Sample Info: HCKE11AA,5ML/5ML

Purge Volume: 5.0 | Operator: 1754

Column phase: DB624 | Column diameter: 0.18

50 Toluene | Concentration: 0.1648 ug/L



STANDARD DATA

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
Start Cal Date: 25-MAY-2005 17:29
End Cal Date : 27-MAY-2005 11:37
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 2.50000		
25-MAY-2005 23:25	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93517.D
27-MAY-2005 11:37	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93576.D
Cal Level: 2 , Cal Amount: 10.00000		
25-MAY-2005 23:03	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93516.D
27-MAY-2005 11:15	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93575.D
Cal Level: 3 , Cal Amount: 25.00000		
25-MAY-2005 22:41	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93515.D
27-MAY-2005 10:53	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93574.D
Cal Level: 4 , Cal Amount: 50.00000		
25-MAY-2005 22:18	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93514.D
27-MAY-2005 10:31	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93573.D
Cal Level: 5 , Cal Amount: 100.00000		
25-MAY-2005 21:56	3-IX	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93513.D
27-MAY-2005 10:09	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93572.D
Cal Level: 6 , Cal Amount: 250.00000		
25-MAY-2005 21:33	3-IX	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93512.D
27-MAY-2005 09:47	2-8260	

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+-----------------+-----------------+-----------------------------------------+

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4
+-----------------+-----------------+-----------------------------------------+
|27-MAY-2005 10:31 |2-8260           |                                         |
|\\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93573.D                           |
|27-MAY-2005 09:24 |3-IX             |                                         |
|\\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93570.D                           |
+-----------------+-----------------+-----------------------------------------+
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Report Date : 27-May-2005 13:21

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 25-MAY-2005 17:29
End Cal Date : 27-MAY-2005 11:37
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
Last Edit : 27-May-2005 13:10 a3ux9.i
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93517.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93516.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93515.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93514.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93513.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93512.D

	Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	RRF	% RSD	
	8 Dichlorodifluoromethane	0.13584	0.16034	0.17034	0.18561	0.19332	0.18768	0.17219	12.540	
	9 Chloromethane	0.36934	0.39040	0.36124	0.37857	0.38643	0.37766	0.37727	2.850	
	10 Vinyl Chloride	0.26177	0.27583	0.29297	0.30454	0.31638	0.30543	0.29282	7.006	
	11 Bromomethane	0.10083	0.11201	0.11045	0.11093	0.11010	0.09579	0.10669	6.291	
	12 Chloroethane	0.13172	0.14229	0.14877	0.14770	0.15381	0.14152	0.14430	5.296	
	13 Trichlorofluoromethane	0.20561	0.22660	0.23275	0.26163	0.27000	0.26364	0.24337	10.514	
	14 Dichlorofluoromethane	0.42874	0.32355	0.36349	0.35456	0.36911	0.37433	0.36897	9.311	
	15 Acrolein	0.03048	0.02790	0.02965	0.02943	0.02920	0.02858	0.02921	3.044	
	16 Acetone	0.16072	0.16576	0.10980	0.08978	0.08173	0.08429	0.11535	33.306	
	17 1,1-Dichloroethene	0.34100	0.35787	0.40244	0.40855	0.41370	0.40924	0.38880	8.015	
	18 Freon-113	0.16993	0.14702	0.17127	0.17095	0.18156	0.18205	0.17046	7.458	
	19 Iodomethane	0.29518	0.32406	0.33661	0.34251	0.34809	0.34191	0.33139	5.890	
	20 Carbon Disulfide	0.70812	0.71970	0.77971	0.79692	0.81092	0.81436	0.77162	6.024	
	21 Methylene Chloride	0.62207	0.47432	0.28921	0.27196	0.25741	0.24860	0.36060	42.502	
	22 Acetonitrile	0.03417	0.03114	0.02952	0.02917	0.02801	0.02761	0.02994	8.085	
	23 Acrylonitrile	0.08097	0.07629	0.07698	0.07860	0.07693	0.07741	0.07786	2.188	
	24 Methyl tert-butyl ether	0.29472	0.29715	0.30325	0.32531	0.31226	0.33480	0.31125	5.160	
	25 trans-1,2-Dichloroethene	0.37437	0.40885	0.41931	0.42514	0.43118	0.42239	0.41354	4.972	
	26 Hexane	0.48440	0.44334	0.48366	0.48147	0.50057	0.49474	0.48136	4.164	
	27 Vinyl acetate	0.51914	0.47914	0.46479	0.46201	0.47772	0.49428	0.48285	4.392	
	28 1,1-Dichloroethane	0.44406	0.48628	0.50652	0.50802	0.51102	0.50767	0.49393	5.267	
	29 tert-Butyl Alcohol	0.00917	0.00956	0.00887	0.00920	0.00866	0.00896	0.00907	3.436	<-
	30 2-Butanone	0.15016	0.12059	0.12054	0.11005	0.10839	0.11060	0.12006	13.078	
M	31 1,2-Dichloroethene (total)	0.39024	0.42382	0.43445	0.43445	0.44610	0.43591	0.42750	4.578	
	32 cis-1,2-dichloroethene	0.40611	0.43879	0.44959	0.44376	0.46103	0.44943	0.44145	4.268	
	33 2,2-Dichloropropane	0.23095	0.23040	0.26980	0.27838	0.28256	0.27888	0.26183	9.354	
	34 Bromochloromethane	0.09804	0.10086	0.11062	0.11402	0.11457	0.11396	0.10868	6.751	
	35 Chloroform	0.34983	0.36043	0.40450	0.39525	0.40674	0.40211	0.38648	6.420	

Report Date : 27-May-2005 13:21

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 25-MAY-2005 17:29
End Cal Date : 27-MAY-2005 11:37
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
Last Edit : 27-May-2005 13:10 a3ux9.i
Curve Type : Average

	Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	RRF	% RSD	
	36 Tetrahydrofuran	0.13123	0.10146	0.07300	0.06821	0.06379	0.06209	0.08330	33.061	
	37 1,1,1-Trichloroethane	0.28861	0.30111	0.32883	0.33070	0.34164	0.33740	0.32138	6.665	
	38 1,1-Dichloropropene	0.29799	0.30852	0.33177	0.33840	0.34686	0.34262	0.32769	6.059	
	39 Carbon Tetrachloride	0.23699	0.23431	0.27005	0.27458	0.28187	0.28360	0.26357	8.419	
	40 1,2-Dichloroethane	0.31079	0.31076	0.32148	0.32666	0.32639	0.32470	0.32013	2.335	
	41 Benzene	1.06173	1.09965	1.10503	1.12727	1.14188	1.13640	1.11200	2.683	
	42 Trichloroethene	0.25999	0.24514	0.28155	0.27982	0.28775	0.28124	0.27258	6.027	
	43 1,2-Dichloropropane	0.28930	0.30224	0.30311	0.30761	0.30843	0.30208	0.30213	2.271	
	44 1,4-Dioxane	0.00130	0.00149	0.00148	0.00164	0.00156	0.00151	0.00149	7.416	<-
	45 Dibromomethane	0.08598	0.09776	0.10738	0.11031	0.11126	0.10975	0.10374	9.640	
	46 Bromodichloromethane	0.24002	0.26042	0.28517	0.28664	0.29535	0.29809	0.27762	8.185	
	47 2-Chloroethyl vinyl ether	+++++	+++++	0.00804	0.00760	0.00994	0.01816	0.01094	44.996	<-
	48 cis-1,3-Dichloropropene	0.32277	0.34273	0.38259	0.39538	0.40446	0.41325	0.37686	9.606	
	49 4-Methyl-2-pentanone	0.21016	0.22402	0.21766	0.22109	0.21990	0.22624	0.21984	2.560	
	50 Toluene	1.60469	1.64465	1.68322	1.66559	1.72228	1.73590	1.67605	2.918	
	51 trans-1,3-Dichloropropene	0.30816	0.36468	0.39380	0.40089	0.41818	0.43728	0.38716	11.810	
	52 Ethyl Methacrylate	0.27193	0.29602	0.33338	0.34536	0.35189	0.36646	0.32751	11.047	
	53 1,1,2-Trichloroethane	0.27022	0.23858	0.25505	0.25181	0.25351	0.25183	0.25350	3.984	
	54 1,3-Dichloropropane	0.45046	0.44773	0.45547	0.46836	0.46239	0.46026	0.45745	1.689	
	55 Tetrachloroethene	0.29198	0.30249	0.30747	0.29888	0.30725	0.30288	0.30182	1.924	
	56 2-Hexanone	0.20426	0.22233	0.24457	0.21624	0.22007	0.23522	0.22378	6.373	
	57 Dibromochloromethane	0.20226	0.20261	0.23709	0.24882	0.25517	0.26887	0.23581	11.792	
	58 1,2-Dibromoethane	0.20799	0.21135	0.23120	0.23332	0.23371	0.23929	0.22614	5.784	
	59 Chlorobenzene	1.05828	1.04404	1.08987	1.09276	1.14018	1.13936	1.09408	3.652	
	60 1,1,1,2-Tetrachloroethane	0.26793	0.29825	0.32052	0.32995	0.33236	0.34193	0.31516	8.720	
	61 Ethylbenzene	1.74591	1.76828	1.89064	1.93082	1.99058	2.05075	1.89616	6.371	
	62 m + p-Xylene	1.32388	1.36837	1.49023	1.51021	1.58196	1.59199	1.47777	7.460	
M	63 Xylenes (total)	1.34234	1.37558	1.49838	1.51686	1.58284	1.59279	1.48480	7.045	
	64 Xylene-o	1.37924	1.39001	1.51468	1.53017	1.58460	1.59439	1.49885	6.249	
	65 Styrene	0.93686	1.01142	1.18653	1.24014	1.30144	1.31201	1.16473	13.410	
	66 Bromoform	0.09560	0.10596	0.12182	0.13202	0.14164	0.15081	0.12464	16.938	<-
	67 Isopropylbenzene	1.51095	1.57681	1.73926	1.76793	1.87600	1.89304	1.72733	9.000	
	68 1,1,2,2-Tetrachloroethane	0.56271	0.59959	0.59662	0.59762	0.59240	0.57180	0.58679	2.655	
	69 1,4-Dichloro-2-butene	0.14269	0.11468	0.12583	0.13159	0.13705	0.15313	0.13416	9.981	
	70 1,2,3-Trichloropropane	0.16928	0.18498	0.19378	0.18874	0.18317	0.17421	0.18236	5.002	
	71 Bromobenzene	0.88946	0.98932	0.90402	0.89706	0.92232	0.88457	0.91446	4.262	

Report Date : 27-May-2005 13:21

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 25-MAY-2005 17:29
End Cal Date : 27-MAY-2005 11:37
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
Last Edit : 27-May-2005 13:10 a3ux9.i
Curve Type : Average

Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	___ RRF	% RSD	
72 n-Propylbenzene	4.29503	4.42979	4.80689	4.77875	5.16157	5.04976	4.75363	7.120	
73 2-Chlorotoluene	0.92712	0.96871	1.03306	0.99741	1.02522	0.95762	0.98486	4.173	
74 1,3,5-Trimethylbenzene	2.92432	3.08820	3.33384	3.32003	3.49601	3.38232	3.25746	6.467	
75 4-Chlorotoluene	0.86382	1.02232	1.02002	0.98641	1.03116	0.97199	0.98262	6.367	
76 tert-Butylbenzene	2.83148	2.94680	2.96444	3.00409	3.10951	2.99846	2.97580	3.043	
77 1,2,4-Trimethylbenzene	2.92379	3.27581	3.29177	3.33966	3.50500	3.44520	3.29687	6.169	
78 sec-Butylbenzene	3.82285	4.16358	4.20933	4.21190	4.49773	4.34914	4.20909	5.357	
79 4-Isopropyltoluene	3.21477	3.23544	3.35462	3.36564	3.60648	3.50752	3.38074	4.517	
80 1,3-Dichlorobenzene	1.68575	1.82207	1.79420	1.73713	1.83150	1.74008	1.76845	3.213	
81 1,4-Dichlorobenzene	1.76514	1.83556	1.81509	1.76800	1.81105	1.77575	1.79510	1.633	
82 n-Butylbenzene	2.50673	2.65805	2.88984	2.92607	3.12533	3.11157	2.86960	8.592	
83 1,2-Dichlorobenzene	1.54981	1.56397	1.57120	1.57580	1.62617	1.54461	1.57193	1.856	
84 1,2-Dibromo-3-chloropropane	0.05217	0.08150	0.07444	0.08333	0.08541	0.08726	0.07735	16.941	
85 1,2,4-Trichlorobenzene	0.69364	0.85124	0.84699	0.86366	0.92943	0.91711	0.85034	9.903	
86 Hexachlorobutadiene	0.48105	0.46477	0.43569	0.42454	0.44849	0.40837	0.44382	5.996	
87 Naphthalene	0.93619	1.13103	1.31203	1.42661	1.53782	1.61522	1.32649	19.332	
88 1,2,3-Trichlorobenzene	0.53855	0.60602	0.64690	0.68258	0.69581	0.70159	0.64524	9.815	
89 Ethyl Ether	0.22081	0.23545	0.25627	0.24713	0.24798	0.23702	0.24078	5.165	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
91 3-Chloropropene	0.11220	0.10200	0.15241	0.14384	0.14713	0.14785	0.13424	15.974	
92 Isopropyl Ether	0.22787	0.22239	0.25519	0.24853	0.25032	0.24350	0.24130	5.464	
93 2-Chloro-1,3-butadiene	0.49628	0.49126	0.58644	0.58230	0.59465	0.59549	0.55773	8.933	
94 Propionitrile	0.04608	0.03309	0.04286	0.03929	0.03892	0.03709	0.03956	11.405	
95 Ethyl Acetate	0.32526	0.29670	0.30617	0.28999	0.30081	0.27336	0.29871	5.774	
96 Methacrylonitrile	0.17962	0.20877	0.21412	0.20012	0.19637	0.18370	0.19712	6.884	
97 Isobutanol	0.01838	0.01120	0.01228	0.01080	0.01111	0.00922	0.01216	26.304	<-
98 Cyclohexane	0.63019	0.57733	0.64426	0.65270	0.68599	0.68603	0.64608	6.274	
99 n-Butanol	0.01355	0.01249	0.01012	0.00906	0.00919	0.00736	0.01030	22.485	<-
100 Methyl Methacrylate	0.30451	0.25750	0.30111	0.28608	0.29401	0.28061	0.28730	5.960	
101 2-Nitropropane	0.11069	0.09262	0.07591	0.07056	0.07199	0.06975	0.08192	20.091	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
103 Cyclohexanone	0.04933	0.04915	0.04680	0.04209	0.04380	0.03663	0.04463	10.897	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

Report Date : 27-May-2005 13:21

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 25-MAY-2005 17:29
End Cal Date : 27-MAY-2005 11:37
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
Last Edit : 27-May-2005 13:10 a3ux9.i
Curve Type : Average

Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	___ RRF	% RSD	
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
M 137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
141 1,3,5-Trichlorobenzene	1.15216	1.14382	1.13080	1.13014	1.18454	1.14032	1.14696	1.760	
143 Methyl Acetate	0.19921	0.19745	0.16604	0.16671	0.16148	0.16332	0.17570	10.039	
144 Methylcyclohexane	0.49164	0.44915	0.51134	0.49892	0.52310	0.51142	0.49760	5.252	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
146 2-Methylnaphthalene	0.03338	0.11195	0.12600	0.17969	0.32380	0.32371	0.18309	64.772	<-
147 Allyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 4 Dibromofluoromethane	0.20046	0.20904	0.20285	0.20424	0.20727	0.20623	0.20502	1.524	
$ 5 1,2-Dichloroethane-d4	0.21407	0.21531	0.24686	0.24516	0.24100	0.24014	0.23376	6.411	
$ 6 Toluene-d8	1.26825	1.32299	1.38928	1.38981	1.40362	1.42090	1.36581	4.262	
$ 7 Bromofluorobenzene	0.50221	0.50278	0.52388	0.52859	0.54704	0.54813	0.52544	3.851	

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INITIAL CALIBRATION DATA

tart Cal Date : 25-MAY-2005 17:29
nd Cal Date : 27-MAY-2005 11:37
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
ast Edit : 27-May-2005 20:42 mcdaniels

alibration File Names:
evel 1: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93517.D
evel 2: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93516.D
evel 3: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93515.D
evel 4: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93514.D
evel 5: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93513.D
evel 6: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93512.D

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
8 Dichlorodifluoromethane	0.13584	0.16034	0.17034	0.18561	0.19332	0.18768	AVRG		0.17219		12.53980
9 Chloromethane	0.36934	0.39040	0.36124	0.37857	0.38643	0.37766	AVRG		0.37727		2.85017
10 Vinyl Chloride	0.26177	0.27583	0.29297	0.30454	0.31638	0.30543	AVRG		0.29282		7.00608
11 Bromomethane	0.10083	0.11201	0.11045	0.11093	0.11010	0.09579	AVRG		0.10669		6.29122
12 Chloroethane	0.13172	0.14229	0.14877	0.14770	0.15381	0.14152	AVRG		0.14430		5.29557
13 Trichlorofluoromethane	0.20561	0.22660	0.23275	0.26163	0.27000	0.26364	AVRG		0.24337		10.51400
14 Dichlorofluoromethane	0.42874	0.32355	0.36349	0.35456	0.36911	0.37433	AVRG		0.36897		9.31122
15 Acrolein	0.03048	0.02790	0.02965	0.02943	0.02920	0.02858	AVRG		0.02921		3.04373
16 Acetone	20056	41361	137248	225778	412394	1082486	WLINR	-0.16410	0.08250		0.99891
17 1,1-Dichloroethene	0.34100	0.35787	0.40244	0.40855	0.41370	0.40924	AVRG		0.38880		8.01473
18 Freon-113	0.16993	0.14702	0.17127	0.17095	0.18156	0.18205	AVRG		0.17046		7.45757
19 Iodomethane	0.29518	0.32406	0.33661	0.34251	0.34809	0.34191	AVRG		0.33139		5.89015
20 Carbon Disulfide	0.70812	0.71970	0.77971	0.79692	0.81092	0.81436	AVRG		0.77162		6.02438
21 Methylene Chloride	38814	59178	180756	341970	649441	1596320	WLINR	-0.09502	0.24435		0.99995

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ıst Edit : 27-May-2005 20:42 mcdaniels

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
22 Acetonitrile	0.03417	0.03114	0.02952	0.02917	0.02801	0.02761	AVRG		0.02994		8.08517	
23 Acrylonitrile	0.08097	0.07629	0.07698	0.07860	0.07693	0.07741	AVRG		0.07786		2.18806	
24 Methyl tert-butyl ether	0.29472	0.29715	0.30325	0.32531	0.31226	0.33480	AVRG		0.31125		5.15961	
25 trans-1,2-Dichloroethene	0.37437	0.40885	0.41931	0.42514	0.43118	0.42239	AVRG		0.41354		4.97159	
26 Hexane	0.48440	0.44334	0.48366	0.48147	0.50057	0.49474	AVRG		0.48136		4.16361	
27 Vinyl acetate	0.51914	0.47914	0.46479	0.46201	0.47772	0.49428	AVRG		0.48285		4.39188	
28 1,1-Dichloroethane	0.44406	0.48628	0.50652	0.50802	0.51102	0.50767	AVRG		0.49393		5.26690	
29 tert-Butyl Alcohol	0.00917	0.00956	0.00887	0.00920	0.00866	0.00896	AVRG		0.00907		3.43611	<-
30 2-Butanone	0.15016	0.12059	0.12054	0.11005	0.10839	0.11060	AVRG		0.12006		13.07792	
31 1,2-Dichloroethene (total)	0.39024	0.42382	0.43445	0.43445	0.44610	0.43591	AVRG		0.42750		4.57835	
32 cis-1,2-dichloroethene	0.40611	0.43879	0.44959	0.44376	0.46103	0.44943	AVRG		0.44145		4.26792	
33 2,2-Dichloropropane	0.23095	0.23040	0.26980	0.27838	0.28256	0.27888	AVRG		0.26183		9.35443	
34 Bromochloromethane	0.09804	0.10086	0.11062	0.11402	0.11457	0.11396	AVRG		0.10868		6.75138	
35 Chloroform	0.34983	0.36043	0.40450	0.39525	0.40674	0.40211	AVRG		0.38648		6.41960	
36 Tetrahydrofuran	8188	12659	45624	85765	160939	398658	WLINR	-0.08201	0.06119		0.99987	
37 1,1,1-Trichloroethane	0.28861	0.30111	0.32883	0.33070	0.34164	0.33740	AVRG		0.32138		6.66474	
38 1,1-Dichloropropene	0.29799	0.30852	0.33177	0.33840	0.34686	0.34262	AVRG		0.32769		6.05930	
39 Carbon Tetrachloride	0.23699	0.23431	0.27005	0.27458	0.28187	0.28360	AVRG		0.26357		8.41945	
40 1,2-Dichloroethane	0.31079	0.31076	0.32148	0.32666	0.32639	0.32470	AVRG		0.32013		2.33539	
41 Benzene	1.06173	1.09965	1.10503	1.12727	1.14188	1.13640	AVRG		1.11200		2.68262	
42 Trichloroethene	0.25999	0.24514	0.28155	0.27982	0.28775	0.28124	AVRG		0.27258		6.02663	
43 1,2-Dichloropropane	0.28930	0.30224	0.30311	0.30761	0.30843	0.30208	AVRG		0.30213		2.27074	

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ast Edit : 27-May-2005 20:42 mcdaniels

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
44 1,4-Dioxane	0.00130	0.00149	0.00148	0.00164	0.00156	0.00151	AVRG		0.00149		7.41589	<-
45 Dibromomethane	0.08598	0.09776	0.10738	0.11031	0.11126	0.10975	AVRG		0.10374		9.63965	
46 Bromodichloromethane	0.24002	0.26042	0.28517	0.28664	0.29535	0.29809	AVRG		0.27762		8.18453	
47 2-Chloroethyl vinyl ether	+++++	+++++	0.00804	0.00760	0.00994	0.01816	AVRG		0.01094		44.99644	<-
48 cis-1,3-Dichloropropene	0.32277	0.34273	0.38259	0.39538	0.40446	0.41325	AVRG		0.37686		9.60597	
49 4-Methyl-2-pentanone	0.21016	0.22402	0.21766	0.22109	0.21990	0.22624	AVRG		0.21984		2.56044	
50 Toluene	1.60469	1.64465	1.68322	1.66559	1.72228	1.73590	AVRG		1.67605		2.91790	
51 trans-1,3-Dichloropropene	0.30816	0.36468	0.39380	0.40089	0.41818	0.43728	AVRG		0.38716		11.80976	
52 Ethyl Methacrylate	0.27193	0.29602	0.33338	0.34536	0.35189	0.36646	AVRG		0.32751		11.04696	
53 1,1,2-Trichloroethane	0.27022	0.23858	0.25505	0.25181	0.25351	0.25183	AVRG		0.25350		3.98433	
54 1,3-Dichloropropane	0.45046	0.44773	0.45547	0.46836	0.46239	0.46026	AVRG		0.45745		1.68924	
55 Tetrachloroethene	0.29198	0.30249	0.30747	0.29888	0.30725	0.30288	AVRG		0.30182		1.92393	
56 2-Hexanone	0.20426	0.22233	0.24457	0.21624	0.22007	0.23522	AVRG		0.22378		6.37259	
57 Dibromochloromethane	0.20226	0.20261	0.23709	0.24882	0.25517	0.26887	AVRG		0.23581		11.79229	
58 1,2-Dibromoethane	0.20799	0.21135	0.23120	0.23332	0.23371	0.23929	AVRG		0.22614		5.78414	
59 Chlorobenzene	1.05828	1.04404	1.08987	1.09276	1.14018	1.13936	AVRG		1.09408		3.65173	
60 1,1,1,2-Tetrachloroethane	0.26793	0.29825	0.32052	0.32995	0.33236	0.34193	AVRG		0.31516		8.71994	
61 Ethylbenzene	1.74591	1.76828	1.89064	1.93082	1.99058	2.05075	AVRG		1.89616		6.37119	
62 m + p-Xylene	1.32388	1.36837	1.49023	1.51021	1.58196	1.59199	AVRG		1.47777		7.45952	
63 Xylenes (total)	1.34234	1.37558	1.49838	1.51686	1.58284	1.59279	AVRG		1.48480		7.04505	
64 Xylene-o	1.37924	1.39001	1.51468	1.53017	1.58460	1.59439	AVRG		1.49885		6.24917	
65 Styrene	0.93686	1.01142	1.18653	1.24014	1.30144	1.31201	AVRG		1.16473		13.40974	

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:thod file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
ıst Edit : 27-May-2005 20:42 mcdaniels

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
66 Bromoform	4354	9875	56932	124751	267165	721638	WLINR	0.07712	0.15214		0.99921	<-
67 Isopropylbenzene	1.51095	1.57681	1.73926	1.76793	1.87600	1.89304	AVRG		1.72733		8.99970	
68 1,1,2,2-Tetrachloroethane	0.56271	0.59959	0.59662	0.59762	0.59240	0.57180	AVRG		0.58679		2.65527	
69 1,4-Dichloro-2-butene	0.14269	0.11468	0.12583	0.13159	0.13705	0.15313	AVRG		0.13416		9.98051	
70 1,2,3-Trichloropropane	0.16928	0.18498	0.19378	0.18874	0.18317	0.17421	AVRG		0.18236		5.00169	
71 Bromobenzene	0.88946	0.98932	0.90402	0.89706	0.92232	0.88457	AVRG		0.91446		4.26219	
72 n-Propylbenzene	4.29503	4.42979	4.80689	4.77875	5.16157	5.04976	AVRG		4.75363		7.11990	
73 2-Chlorotoluene	0.92712	0.96871	1.03306	0.99741	1.02522	0.95762	AVRG		0.98486		4.17325	
74 1,3,5-Trimethylbenzene	2.92432	3.08820	3.33384	3.32003	3.49601	3.38232	AVRG		3.25746		6.46687	
75 4-Chlorotoluene	0.86382	1.02232	1.02002	0.98641	1.03116	0.97199	AVRG		0.98262		6.36712	
76 tert-Butylbenzene	2.83148	2.94680	2.96444	3.00409	3.10951	2.99846	AVRG		2.97580		3.04278	
77 1,2,4-Trimethylbenzene	2.92379	3.27581	3.29177	3.33966	3.50500	3.44520	AVRG		3.29687		6.16873	
78 sec-Butylbenzene	3.82285	4.16358	4.20933	4.21190	4.49773	4.34914	AVRG		4.20909		5.35681	
79 4-Isopropyltoluene	3.21477	3.23544	3.35462	3.36564	3.60648	3.50752	AVRG		3.38074		4.51698	
80 1,3-Dichlorobenzene	1.68575	1.82207	1.79420	1.73713	1.83150	1.74008	AVRG		1.76845		3.21257	
81 1,4-Dichlorobenzene	1.76514	1.83556	1.81509	1.76800	1.81105	1.77575	AVRG		1.79510		1.63319	
82 n-Butylbenzene	2.50673	2.65805	2.88984	2.92607	3.12533	3.11157	AVRG		2.86960		8.59229	
83 1,2-Dichlorobenzene	1.54981	1.56397	1.57120	1.57580	1.62617	1.54461	AVRG		1.57193		1.85611	
84 1,2-Dibromo-3-chloropropane	989	3129	15322	35216	73466	200095	WLINR	0.03961	0.08778		0.99982	
85 1,2,4-Trichlorobenzene	0.69364	0.85124	0.84699	0.86366	0.92943	0.91711	AVRG		0.85034		9.90316	
86 Hexachlorobutadiene	0.48105	0.46477	0.43569	0.42454	0.44849	0.40837	AVRG		0.44382		5.99640	
87 Naphthalene	17747	43424	270063	602886	1322806	3703653	WLINR	0.07236	1.63030		0.99943	

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Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
88 1,2,3-Trichlorobenzene	0.53855	0.60602	0.64690	0.68258	0.69581	0.70159	AVRG		0.64524		9.81454	
89 Ethyl Ether	0.22081	0.23545	0.25627	0.24713	0.24798	0.23702	AVRG		0.24078		5.16546	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	6745	12248	90762	172873	348318	887143	WLINR	0.01488	0.14828		0.99993	
92 Isopropyl Ether	0.22787	0.22239	0.25519	0.24853	0.25032	0.24350	AVRG		0.24130		5.46423	
93 2-Chloro-1,3-butadiene	0.49628	0.49126	0.58644	0.58230	0.59465	0.59549	AVRG		0.55773		8.93313	
94 Propionitrile	0.04608	0.03309	0.04286	0.03929	0.03892	0.03709	AVRG		0.03956		11.40525	
95 Ethyl Acetate	0.32526	0.29670	0.30617	0.28999	0.30081	0.27336	AVRG		0.29871		5.77396	
96 Methacrylonitrile	0.17962	0.20877	0.21412	0.20012	0.19637	0.18370	AVRG		0.19712		6.88363	
97 Isobutanol	+++++	0.01120	0.01228	0.01080	0.01111	0.00922	AVRG		0.01092		10.09510	<-
98 Cyclohexane	0.63019	0.57733	0.64426	0.65270	0.68599	0.68603	AVRG		0.64608		6.27357	
99 n-Butanol	12553	23298	93624	166092	336622	689331	LINR	-3.39404	0.00737		0.99071	<-
100 Methyl Methacrylate	0.30451	0.25750	0.30111	0.28608	0.29401	0.28061	AVRG		0.28730		5.96001	
101 2-Nitropropane	13309	22243	90413	169595	340848	837033	LINR	-0.07630	0.06938		0.99988	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
103 Cyclohexanone	0.04933	0.04915	0.04680	0.04209	0.04380	0.03663	AVRG		0.04463		10.89739	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

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Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
141 1,3,5-Trichlorobenzene	1.15216	1.14382	1.13080	1.13014	1.18454	1.14032	AVRG		1.14696		1.76009	
143 Methyl Acetate	0.19921	0.19745	0.16604	0.16671	0.16148	0.16332	AVRG		0.17570		10.03866	
144 Methylcyclohexane	0.49164	0.44915	0.51134	0.49892	0.52310	0.51142	AVRG		0.49760		5.25155	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
146 2-Methylnaphthalene	3237	22486	127792	368759	1373706	3593215	LINR	0.98959	0.33792		0.99212	
147 Allyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
4 Dibromofluoromethane	0.20046	0.20904	0.20285	0.20424	0.20727	0.20623	AVRG		0.20502		1.52383	
5 1,2-Dichloroethane-d4	0.21407	0.21531	0.24686	0.24516	0.24100	0.24014	AVRG		0.23376		6.41066	
6 Toluene-d8	1.26825	1.32299	1.38928	1.38981	1.40362	1.42090	AVRG		1.36581		4.26219	
7 Bromofluorobenzene	0.50221	0.50278	0.52388	0.52859	0.54704	0.54813	AVRG		0.52544		3.85098	

eport Date : 27-May-2005 20:43

STL North Canton

INITIAL CALIBRATION DATA

:art Cal Date : 25-MAY-2005 17:29
ıd Cal Date : 27-MAY-2005 11:37
ıant Method : ISTD
arget Version : 4.14
ıtegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
ıst Edit : 27-May-2005 20:42 mcdaniels

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Wt Linear	Amt = b + Rsp/m1	Response

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93571.D
Report Date: 27-May-2005 20:28

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93571.D
Lab Smp Id: 250NG-IC
Inj Date : 27-MAY-2005 09:47
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 250NG-IC
Misc Info : N50527IC,8260MIUX9,2-8260.SUB,1819,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
Meth Date : 27-May-2005 20:28 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	1284232	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	956996	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.973	9.973	(1.000)	458594	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	1324258	250.000	251.48(A)
$ 5 1,2-Dichloroethane-d4	65	4.813	4.813	(0.944)	1541995	250.000	256.83(A)
$ 6 Toluene-d8	98	6.435	6.435	(0.830)	6798973	250.000	260.08(A)
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	2622811	250.000	260.80(A)
8 Dichlorodifluoromethane	85	1.583	1.583	(0.311)	1205118	250.000	272.49(A)
9 Chloromethane	50	1.713	1.713	(0.336)	2425005	250.000	250.25(A)
10 Vinyl Chloride	62	1.808	1.808	(0.355)	1961206	250.000	260.76(A)
11 Bromomethane	94	2.092	2.092	(0.410)	615099	250.000	224.47
12 Chloroethane	64	2.187	2.187	(0.429)	908714	250.000	245.18
13 Trichlorofluoromethane	101	2.376	2.376	(0.466)	1692891	250.000	270.82(A)
15 Acrolein	56	2.660	2.660	(0.522)	1835228	2500.00	2446.6(A)
16 Acetone	43	2.778	2.778	(0.545)	1082486	500.000	502.68(A)
17 1,1-Dichloroethene	61	2.755	2.755	(0.540)	2627804	250.000	263.14(A)
18 Freon-113	151	2.814	2.814	(0.552)	1168966	250.000	266.99(A)
19 Iodomethane	142	2.885	2.885	(0.566)	2195463	250.000	257.93(A)
20 Carbon Disulfide	76	2.956	2.956	(0.580)	5229106	250.000	263.85(A)
21 Methylene Chloride	84	3.133	3.133	(0.615)	1596320	250.000	249.60
22 Acetonitrile	41	3.003	3.003	(0.589)	1772929	2500.00	2305.7(A)
23 Acrylonitrile	53	3.323	3.323	(0.652)	4970661	2500.00	2485.4(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93571.D
Report Date: 27-May-2005 20:28

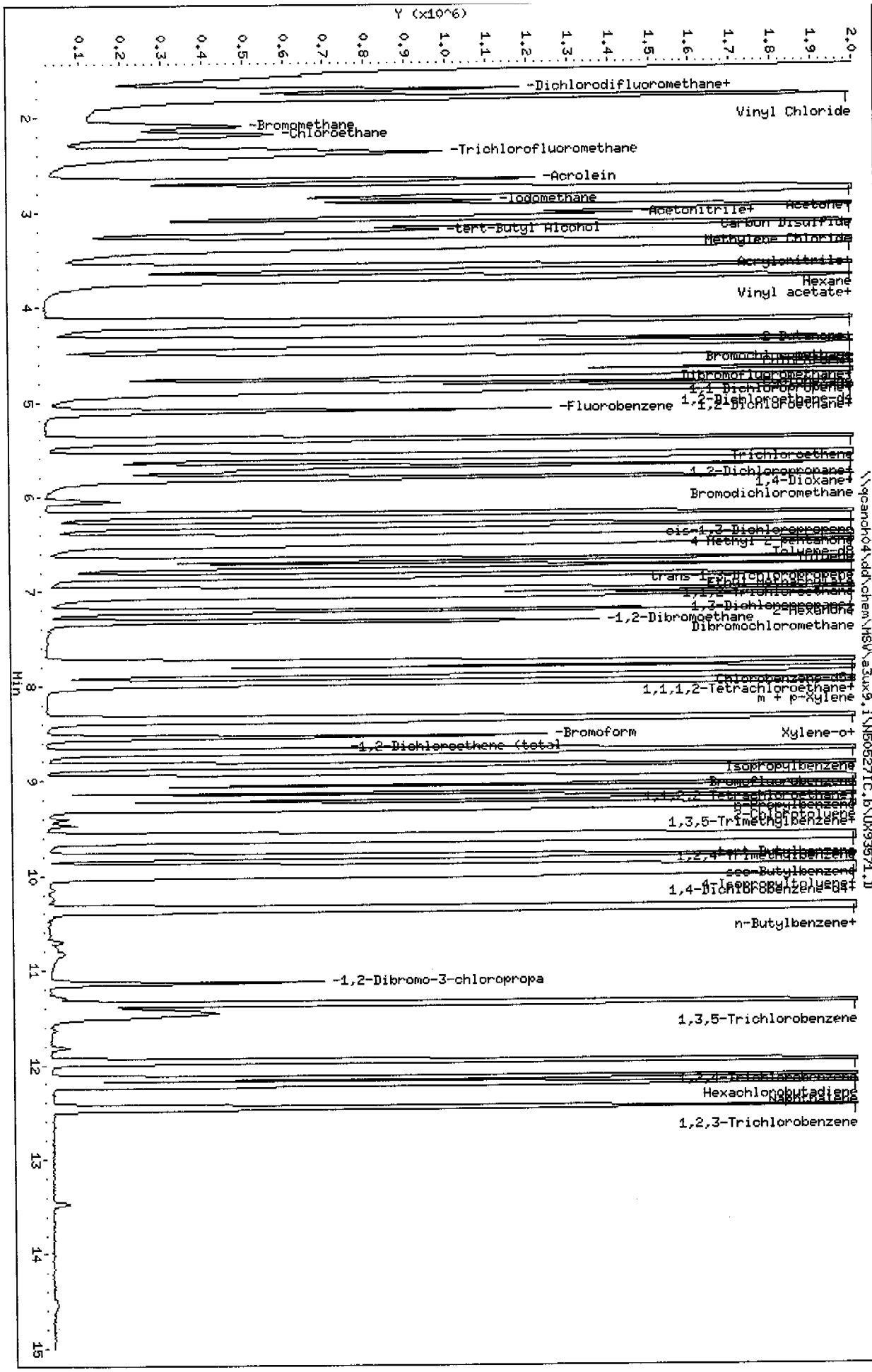
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.358	3.358	(0.659)	2149826	250.000	268.92(A)
25 trans-1,2-Dichloroethene	61	3.358	3.358	(0.659)	2712245	250.000	255.35(A)
26 Hexane	57	3.583	3.583	(0.703)	3176805	250.000	256.95(A)
27 Vinyl acetate	43	3.713	3.713	(0.728)	3173880	250.000	255.92(A)
28 1,1-Dichloroethane	63	3.689	3.689	(0.724)	3259824	250.000	256.95(A)
29 tert-Butyl Alcohol	59	3.204	3.204	(0.629)	1150792	5000.00	4941.4(A)
30 2-Butanone	43	4.151	4.151	(0.814)	1420415	500.000	460.64(A)
32 cis-1,2-dichloroethene	61	4.151	4.151	(0.814)	2885862	250.000	254.52(A)
33 2,2-Dichloropropane	77	4.163	4.163	(0.817)	1790714	250.000	266.28(A)
34 Bromochloromethane	128	4.352	4.352	(0.854)	731727	250.000	262.14(A)
35 Chloroform	83	4.411	4.411	(0.865)	2581988	250.000	260.11(A)
36 Tetrahydrofuran	42	4.387	4.387	(0.861)	398658	250.000	249.55
37 1,1,1-Trichloroethane	97	4.577	4.577	(0.898)	2166529	250.000	262.46(A)
38 1,1-Dichloropropene	75	4.707	4.707	(0.923)	2200026	250.000	261.39(A)
39 Carbon Tetrachloride	117	4.719	4.719	(0.926)	1821054	250.000	269.00(A)
40 1,2-Dichloroethane	62	4.873	4.873	(0.956)	2084972	250.000	253.57(A)
41 Benzene	78	4.873	4.873	(0.956)	7297008	250.000	255.49(A)
42 Trichloroethene	130	5.405	5.405	(1.060)	1805875	250.000	257.94(A)
43 1,2-Dichloropropane	63	5.583	5.583	(1.095)	1939735	250.000	249.96
44 1,4-Dioxane	88	5.689	5.689	(1.116)	483838	12500.0	12603(A)
45 Dibromomethane	93	5.689	5.689	(1.116)	704694	250.000	264.47(A)
46 Bromodichloromethane	83	5.819	5.819	(1.142)	1914072	250.000	268.44(A)
48 cis-1,3-Dichloropropene	75	6.198	6.198	(1.216)	2653524	250.000	274.14(A)
49 4-Methyl-2-pentanone	43	6.316	6.316	(1.239)	2905429	500.000	514.54(A)
50 Toluene	91	6.494	6.494	(0.838)	8306243	250.000	258.93(A)
51 trans-1,3-Dichloropropene	75	6.671	6.671	(0.861)	2092356	250.000	282.36(A)
52 Ethyl Methacrylate	69	6.742	6.742	(0.870)	1753485	250.000	279.73(A)
53 1,1,2-Trichloroethane	97	6.849	6.849	(0.884)	1205013	250.000	248.36
54 1,3-Dichloropropane	76	7.003	7.003	(0.904)	2202344	250.000	251.54(A)
55 Tetrachloroethene	164	6.991	6.991	(0.902)	1449255	250.000	250.87(A)
56 2-Hexanone	43	7.050	7.050	(0.910)	2251032	500.000	525.55(A)
57 Dibromochloromethane	129	7.204	7.204	(0.930)	1286538	250.000	285.06(A)
58 1,2-Dibromoethane	107	7.322	7.322	(0.945)	1144999	250.000	264.53(A)
59 Chlorobenzene	112	7.772	7.772	(1.003)	5451830	250.000	260.35(A)
60 1,1,1,2-Tetrachloroethane	131	7.843	7.843	(1.012)	1636145	250.000	271.24(A)
61 Ethylbenzene	91	7.866	7.866	(1.015)	9812790	250.000	270.38(A)
62 m + p-Xylene	91	7.973	7.973	(1.029)	15235283	500.000	538.64(A)
64 Xylene-o	91	8.351	8.351	(1.078)	7629115	250.000	265.94(A)
65 Styrene	104	8.363	8.363	(1.079)	6277921	250.000	281.61(A)
66 Bromoform	173	8.541	8.541	(1.102)	721638	250.000	251.67(A)
67 Isopropylbenzene	105	8.695	8.695	(1.122)	9058170	250.000	273.98(A)
68 1,1,2,2-Tetrachloroethane	83	8.979	8.979	(0.900)	1311115	250.000	243.61
69 1,4-Dichloro-2-butene	53	9.026	9.026	(0.905)	351121	250.000	285.34(A)
70 1,2,3-Trichloropropane	110	9.026	9.026	(0.905)	399466	250.000	238.83
71 Bromobenzene	156	9.002	9.002	(0.903)	2028289	250.000	241.83
72 n-Propylbenzene	91	9.097	9.097	(0.912)	11578945	250.000	265.57(A)
73 2-Chlorotoluene	126	9.192	9.192	(0.922)	2195794	250.000	243.08
74 1,3,5-Trimethylbenzene	105	9.263	9.263	(0.929)	7755560	250.000	259.58(A)
75 4-Chlorotoluene	126	9.286	9.286	(0.931)	2228744	250.000	247.30
76 tert-Butylbenzene	119	9.582	9.582	(0.961)	6875390	250.000	251.90(A)
77 1,2,4-Trimethylbenzene	105	9.629	9.629	(0.966)	7899734	250.000	261.25(A)
78 sec-Butylbenzene	105	9.795	9.795	(0.982)	9972446	250.000	258.32(A)
79 4-Isopropyltoluene	119	9.937	9.937	(0.996)	8042640	250.000	259.37(A)
80 1,3-Dichlorobenzene	146	9.913	9.913	(0.994)	3989951	250.000	245.99

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93571.D
Report Date: 27-May-2005 20:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
81 1,4-Dichlorobenzene	146	10.008	10.008	(1.004)	4071744	250.000	247.30
82 n-Butylbenzene	91	10.339	10.339	(1.037)	7134729	250.000	271.08(A)
83 1,2-Dichlorobenzene	146	10.375	10.375	(1.040)	3541751	250.000	245.66
84 1,2-Dibromo-3-chloropropane	157	11.132	11.132	(1.116)	200095	250.000	250.51(A)
85 1,2,4-Trichlorobenzene	180	11.972	11.972	(1.201)	2102897	250.000	269.63(A)
86 Hexachlorobutadiene	225	12.138	12.138	(1.217)	936371	250.000	230.03
87 Naphthalene	128	12.209	12.209	(1.224)	3703653	250.000	251.30(A)
88 1,2,3-Trichlorobenzene	180	12.457	12.457	(1.249)	1608732	250.000	271.83(A)
98 Cyclohexane	56	4.624	4.624	(0.907)	4405140	250.000	265.46(A)
143 Methyl Acetate	43	3.039	3.039	(0.596)	2097450	500.000	464.78(A)
144 Methylcyclohexane	83	5.571	5.571	(1.093)	3283898	250.000	256.94(A)
141 1,3,5-Trichlorobenzene	180	11.357	11.357	(1.139)	2614713	250.000	248.55

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanch04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93571.D
Date : 27-MAY-2005 09:47
Client ID:
Sample Info: 250NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Iodomethane
-Acetonitrile+
Acetone+
Carbon Disulfide
-tert-Butyl Alcohol
Methylene Chloride
Acrylonitrile+
Hexane
Vinyl acetate+
2-Butanone+
Bromochloromethane
Chloroform
Dibromofluoromethane+
Cyclohexane
1,1-Dichloropropene+
1,2-Dichloroethane-d4
-Fluorobenzene
1,2-Dichloroethane+
Trichloroethene
1,2-Dichloropropane+
1,4-Dioxane+
Bromodichloromethane
cis-1,3-Dichloropropene
4-Methyl-2-pentanone
Toluene-d8
Toluene
trans-1,3-Dichloropropene
Ethyl Methacrylate
1,1,2-Trichloroethane
1,3-Dichloropropane+
2-Hexanone
-1,2-Dibromoethane
Dibromochloromethane
Chlorobenzene-d5
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
-1,2-Dichloroethene (total)
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
1,2,4-Trimethylbenzene
tert-Butylbenzene
sec-Butylbenzene
4-Isopropyltoluene+
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
\\qcanch04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93571.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93572.D
Report Date: 27-May-2005 20:28

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93572.D
Lab Smp Id: 100NG-IC
Inj Date : 27-MAY-2005 10:09
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 100NG-IC
Misc Info : N50527IC,8260MIUX9,2-8260.SUB,1819,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
Meth Date : 27-May-2005 20:28 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 21:33 Cal File: UX93512.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	1261510	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	943127	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	430090	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	522948	100.000	101.10
$ 5 1,2-Dichloroethane-d4	65	4.813	4.813	(0.944)	608038	100.000	103.10
$ 6 Toluene-d8	98	6.446	6.446	(0.832)	2647593	100.000	102.77
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	1031857	100.000	104.11
8 Dichlorodifluoromethane	85	1.595	1.595	(0.313)	487743	100.000	112.27
9 Chloromethane	50	1.713	1.713	(0.336)	974983	100.000	102.43
10 Vinyl Chloride	62	1.808	1.808	(0.355)	798237	100.000	108.04
11 Bromomethane	94	2.103	2.103	(0.413)	277783	100.000	103.20
12 Chloroethane	64	2.186	2.186	(0.429)	388069	100.000	106.59
13 Trichlorofluoromethane	101	2.387	2.387	(0.468)	681221	100.000	110.94
15 Acrolein	56	2.671	2.671	(0.524)	736618	1000.00	999.68(A)
16 Acetone	43	2.790	2.790	(0.547)	412394	200.000	189.93
17 1,1-Dichloroethene	61	2.766	2.766	(0.543)	1043780	100.000	106.40
18 Freon-113	151	2.813	2.813	(0.552)	458083	100.000	106.51
19 Iodomethane	142	2.884	2.884	(0.566)	878244	100.000	105.04
20 Carbon Disulfide	76	2.955	2.955	(0.580)	2045961	100.000	105.09
21 Methylene Chloride	84	3.145	3.145	(0.617)	649441	100.000	100.59
22 Acetonitrile	41	3.003	3.003	(0.589)	706589	1000.00	935.49(A)
23 Acrylonitrile	53	3.322	3.322	(0.652)	1940880	1000.00	987.97(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93572.D
Report Date: 27-May-2005 20:28

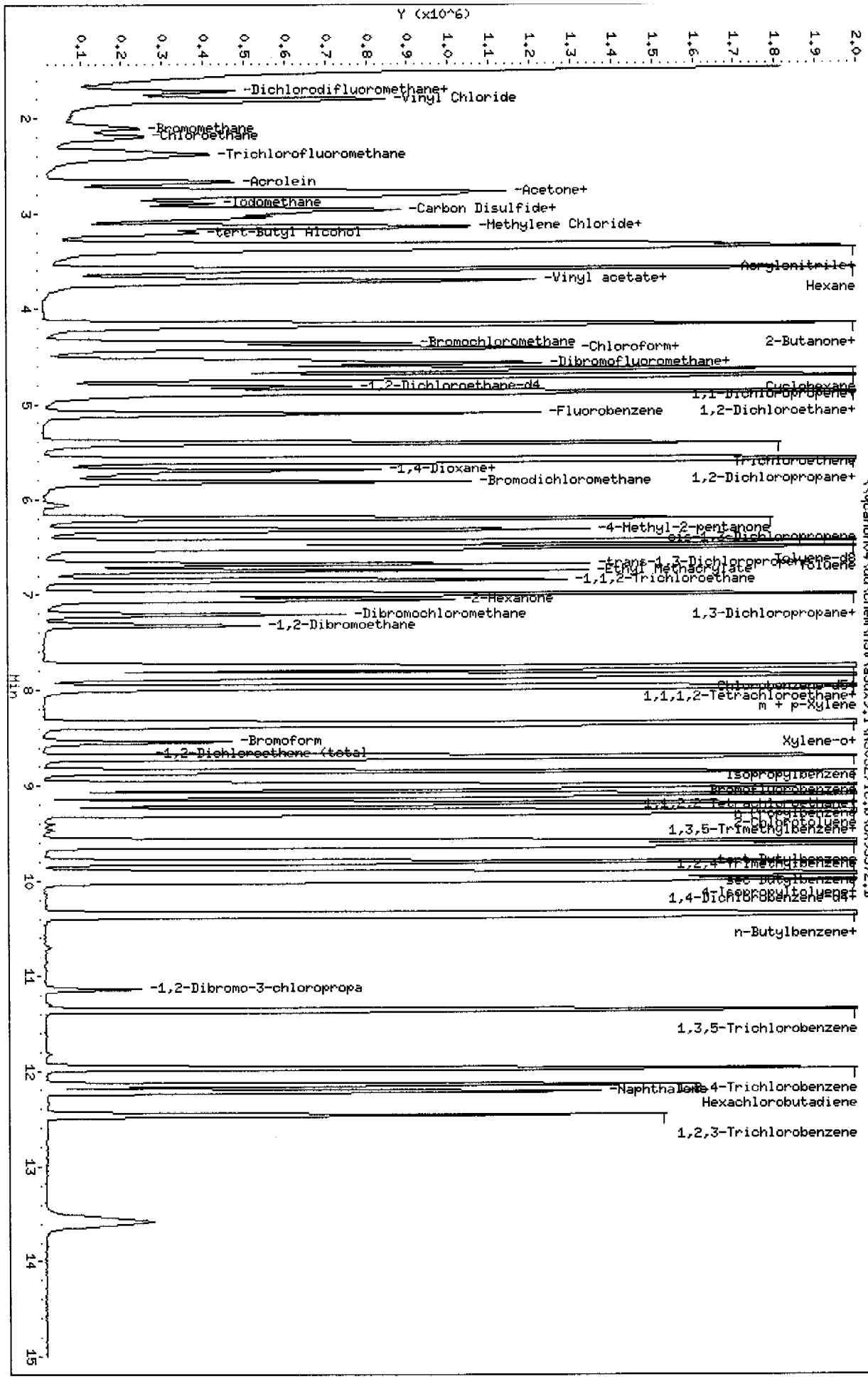
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.358	3.358	(0.659)	787833	100.000	100.32
25 trans-1,2-Dichloroethene	61	3.369	3.369	(0.661)	1087870	100.000	104.26
26 Hexane	57	3.582	3.582	(0.703)	1262948	100.000	103.99
27 Vinyl acetate	43	3.713	3.713	(0.728)	1205303	100.000	98.938
28 1,1-Dichloroethane	63	3.689	3.689	(0.724)	1289321	100.000	103.46
29 tert-Butyl Alcohol	59	3.204	3.204	(0.629)	436855	2000.00	1909.6(A)
30 2-Butanone	43	4.150	4.150	(0.814)	546946	200.000	180.57
32 cis-1,2-dichloroethene	61	4.162	4.162	(0.817)	1163178	100.000	104.43
33 2,2-Dichloropropane	77	4.162	4.162	(0.817)	712898	100.000	107.92
34 Bromochloromethane	128	4.352	4.352	(0.854)	289063	100.000	105.42
35 Chloroform	83	4.411	4.411	(0.865)	1026207	100.000	105.24
36 Tetrahydrofuran	42	4.399	4.399	(0.863)	160939	100.000	100.14
37 1,1,1-Trichloroethane	97	4.576	4.576	(0.898)	861960	100.000	106.30
38 1,1-Dichloropropene	75	4.707	4.707	(0.923)	875126	100.000	105.85
39 Carbon Tetrachloride	117	4.718	4.718	(0.926)	711159	100.000	106.94
40 1,2-Dichloroethane	62	4.884	4.884	(0.958)	823482	100.000	101.95
41 Benzene	78	4.872	4.872	(0.956)	2880989	100.000	102.69
42 Trichloroethene	130	5.405	5.405	(1.060)	725997	100.000	105.56
43 1,2-Dichloropropane	63	5.594	5.594	(1.097)	778182	100.000	102.09
44 1,4-Dioxane	88	5.689	5.689	(1.116)	196396	5000.00	5207.8(A)
45 Dibromomethane	93	5.689	5.689	(1.116)	280714	100.000	107.25
46 Bromodichloromethane	83	5.819	5.819	(1.142)	745168	100.000	106.39
48 cis-1,3-Dichloropropene	75	6.198	6.198	(1.216)	1020456	100.000	107.32
49 4-Methyl-2-pentanone	43	6.316	6.316	(1.239)	1109616	200.000	200.05
50 Toluene	91	6.505	6.505	(0.840)	3248663	100.000	102.76
51 trans-1,3-Dichloropropene	75	6.671	6.671	(0.861)	788789	100.000	108.01
52 Ethyl Methacrylate	69	6.742	6.742	(0.870)	663747	100.000	107.44
53 1,1,2-Trichloroethane	97	6.848	6.848	(0.884)	478177	100.000	100.00
54 1,3-Dichloropropane	76	7.002	7.002	(0.904)	872186	100.000	101.08
55 Tetrachloroethene	164	7.002	7.002	(0.904)	579559	100.000	101.80
56 2-Hexanone	43	7.049	7.049	(0.910)	830216	200.000	196.68
57 Dibromochloromethane	129	7.215	7.215	(0.931)	481309	100.000	108.21
58 1,2-Dibromoethane	107	7.322	7.322	(0.945)	440834	100.000	103.34
59 Chlorobenzene	112	7.771	7.771	(1.003)	2150665	100.000	104.21
60 1,1,1,2-Tetrachloroethane	131	7.842	7.842	(1.012)	626914	100.000	105.46
61 Ethylbenzene	91	7.866	7.866	(1.015)	3754740	100.000	104.98
62 m + p-Xylene	91	7.972	7.972	(1.029)	5967963	200.000	214.10
64 Xylene-o	91	8.351	8.351	(1.078)	2988964	100.000	105.72
65 Styrene	104	8.363	8.363	(1.079)	2454846	100.000	111.74
66 Bromoform	173	8.540	8.540	(1.102)	267165	100.000	96.950
67 Isopropylbenzene	105	8.694	8.694	(1.122)	3538617	100.000	108.61
68 1,1,2,2-Tetrachloroethane	83	8.978	8.978	(0.899)	509574	100.000	100.96
69 1,4-Dichloro-2-butene	53	9.026	9.026	(0.904)	117889	100.000	102.15
70 1,2,3-Trichloropropane	110	9.026	9.026	(0.904)	157562	100.000	100.44
71 Bromobenzene	156	9.002	9.002	(0.902)	793365	100.000	100.86
72 n-Propylbenzene	91	9.097	9.097	(0.911)	4439878	100.000	108.58
73 2-Chlorotoluene	126	9.191	9.191	(0.921)	881878	100.000	104.10
74 1,3,5-Trimethylbenzene	105	9.262	9.262	(0.928)	3007202	100.000	107.32
75 4-Chlorotoluene	126	9.286	9.286	(0.930)	886981	100.000	104.94
76 tert-Butylbenzene	119	9.582	9.582	(0.960)	2674742	100.000	104.49
77 1,2,4-Trimethylbenzene	105	9.629	9.629	(0.964)	3014931	100.000	106.31
78 sec-Butylbenzene	105	9.795	9.795	(0.981)	3868857	100.000	106.86
79 4-Isopropyltoluene	119	9.937	9.937	(0.995)	3102220	100.000	106.68
80 1,3-Dichlorobenzene	146	9.913	9.913	(0.993)	1575421	100.000	103.56

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93572.D
Report Date: 27-May-2005 20:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
81 1,4-Dichlorobenzene	146	10.008	10.008	(1.002)	1557832	100.000	100.89
82 n-Butylbenzene	91	10.339	10.339	(1.036)	2688344	100.000	108.91
83 1,2-Dichlorobenzene	146	10.375	10.375	(1.039)	1398799	100.000	103.45
84 1,2-Dibromo-3-chloropropane	157	11.132	11.132	(1.115)	73466	100.000	99.276
85 1,2,4-Trichlorobenzene	180	11.972	11.972	(1.199)	799476	100.000	109.30
86 Hexachlorobutadiene	225	12.138	12.138	(1.216)	385782	100.000	101.05
87 Naphthalene	128	12.209	12.209	(1.223)	1322806	100.000	97.946
88 1,2,3-Trichlorobenzene	180	12.457	12.457	(1.248)	598522	100.000	107.84
98 Cyclohexane	56	4.636	4.636	(0.909)	1730756	100.000	106.18
143 Methyl Acetate	43	3.050	3.050	(0.598)	814824	200.000	183.81
144 Methylcyclohexane	83	5.582	5.582	(1.095)	1319798	100.000	105.12
141 1,3,5-Trichlorobenzene	180	11.357	11.357	(1.137)	1018921	100.000	103.28

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\HSV\a3ux9.i\N50527IC.b\UX93572.D
Date : 27-MAY-2005 10:09
Client ID:
Sample Info: 100NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide+
-Methylene Chloride+
-tert-Butyl Alcohol
-Acrylonitrile+
-Vinyl acetate+
Hexane
-Bromochloromethane
-Chloroform+
2-Butanone+
-Dibromofluoromethane+
-1,2-Dichloroethane-d4
Cyclohexane
1,1-Dichloropropene+
-Fluorobenzene
1,2-Dichloroethane+
Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-4-Methyl-2-pentanone
cis-1,3-Dichloropropene
Toluene-d8
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
Toluene
-1,1,2-Trichloroethane
-2-Hexanone
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
-1,2-Dichloroethane (total
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene+
1,4-Dichlorobenzene-d4
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
-Naphthalene
1,2,4-Trichlorobenzene
Hexachlorobutadiene
1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\HSV\a3ux9.i\N50527IC.b\UX93572.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93573.D
Report Date: 27-May-2005 20:28

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93573.D
Lab Smp Id: 50NG-IC
Inj Date : 27-MAY-2005 10:31
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 50NG-IC
Misc Info : N50527IC,8260MIUX9,2-8260.SUB,1819,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
Meth Date : 27-May-2005 20:28 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 23:25 Cal File: UX93517.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	1257413	50.0000	
* 2 Chlorobenzene-d5	117	7.747	7.747	(1.000)	944948	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.983	9.983	(1.000)	422599	50.0000	
$ 4 Dibromofluoromethane	113	4.540	4.540	(0.891)	256814	50.0000	49.810
$ 5 1,2-Dichloroethane-d4	65	4.813	4.813	(0.944)	308269	50.0000	52.439
$ 6 Toluene-d8	98	6.445	6.445	(0.832)	1313299	50.0000	50.879
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	499493	50.0000	50.300
8 Dichlorodifluoromethane	85	1.594	1.594	(0.313)	233386	50.0000	53.897
9 Chloromethane	50	1.712	1.712	(0.336)	476017	50.0000	50.172
10 Vinyl Chloride	62	1.807	1.807	(0.355)	382938	50.0000	52.002
11 Bromomethane	94	2.103	2.103	(0.413)	139485	50.0000	51.989
12 Chloroethane	64	2.186	2.186	(0.429)	185725	50.0000	51.178
13 Trichlorofluoromethane	101	2.375	2.375	(0.466)	328981	50.0000	53.752
15 Acrolein	56	2.671	2.671	(0.524)	370045	500.000	503.83(A)
16 Acetone	43	2.789	2.789	(0.547)	225778	100.000	100.62
17 1,1-Dichloroethene	61	2.765	2.765	(0.543)	513718	50.0000	52.540
18 Freon-113	151	2.813	2.813	(0.552)	214952	50.0000	50.142
19 Iodomethane	142	2.896	2.896	(0.568)	430672	50.0000	51.677
20 Carbon Disulfide	76	2.955	2.955	(0.580)	1002052	50.0000	51.639
21 Methylene Chloride	84	3.144	3.144	(0.617)	341970	50.0000	50.899
22 Acetonitrile	41	3.014	3.014	(0.591)	366817	500.000	487.23(A)
23 Acrylonitrile	53	3.322	3.322	(0.652)	988278	500.000	504.70(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93573.D
Report Date: 27-May-2005 20:28

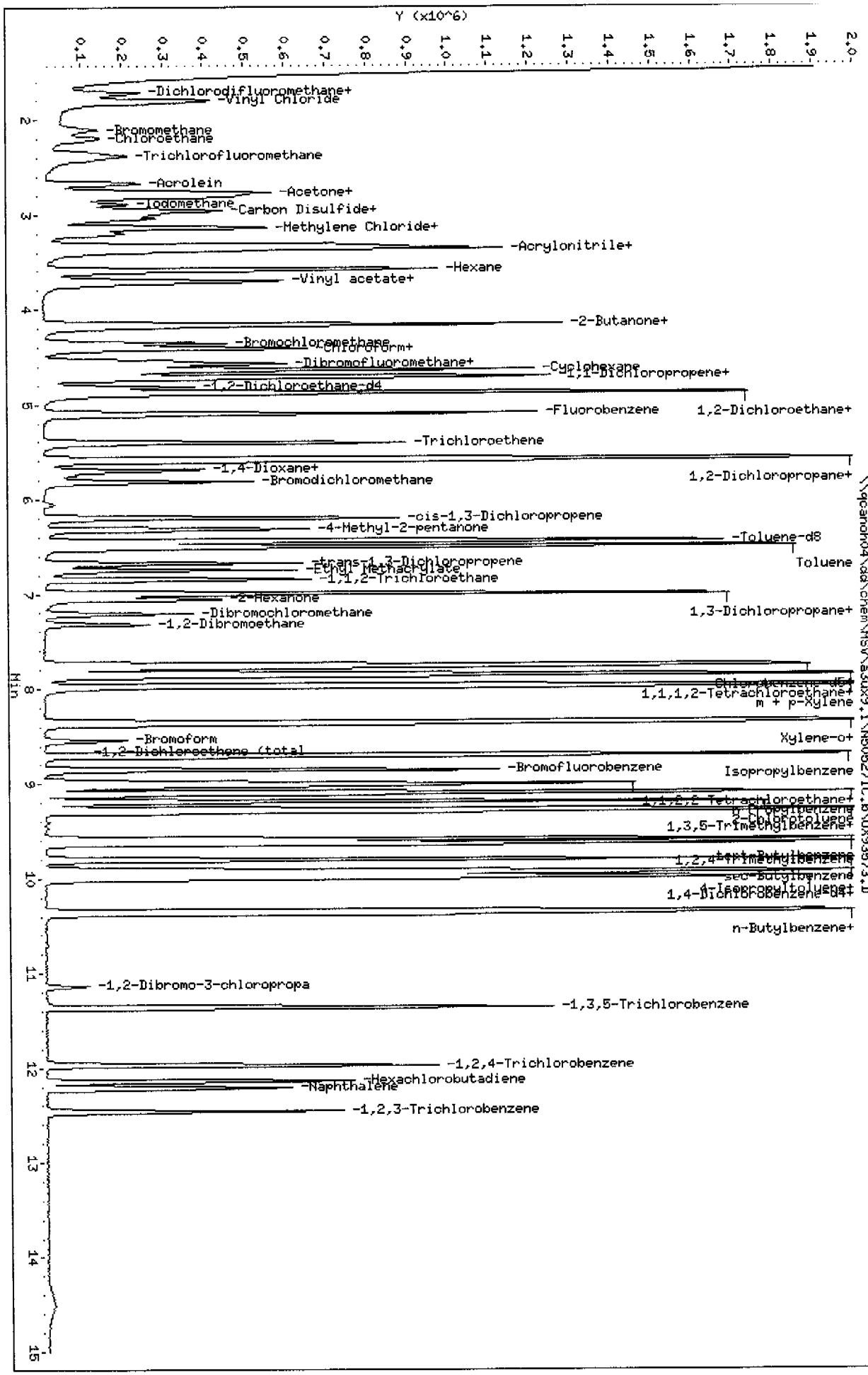
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.357	3.357	(0.659)	409053	50.0000	52.259
25 trans-1,2-Dichloroethene	61	3.369	3.369	(0.661)	534577	50.0000	51.402
26 Hexane	57	3.582	3.582	(0.703)	605402	50.0000	50.011
27 Vinyl acetate	43	3.724	3.724	(0.731)	580937	50.0000	47.842
28 1,1-Dichloroethane	63	3.688	3.688	(0.724)	638794	50.0000	51.427
29 tert-Butyl Alcohol	59	3.203	3.203	(0.629)	231274	1000.00	1014.2(A)
30 2-Butanone	43	4.150	4.150	(0.814)	276751	100.000	91.664
32 cis-1,2-dichloroethene	61	4.162	4.162	(0.817)	557988	50.0000	50.261
33 2,2-Dichloropropane	77	4.162	4.162	(0.817)	350035	50.0000	53.161
34 Bromochloromethane	128	4.351	4.351	(0.854)	143366	50.0000	52.456
35 Chloroform	83	4.410	4.410	(0.865)	496992	50.0000	51.135
36 Tetrahydrofuran	42	4.398	4.398	(0.863)	85765	50.0000	51.632
37 1,1,1-Trichloroethane	97	4.576	4.576	(0.898)	415826	50.0000	51.449
38 1,1-Dichloropropene	75	4.706	4.706	(0.923)	425506	50.0000	51.634
39 Carbon Tetrachloride	117	4.718	4.718	(0.926)	345266	50.0000	52.090
40 1,2-Dichloroethane	62	4.884	4.884	(0.958)	410752	50.0000	51.020
41 Benzene	78	4.884	4.884	(0.958)	1417450	50.0000	50.687
42 Trichloroethene	130	5.404	5.404	(1.060)	351854	50.0000	51.328
43 1,2-Dichloropropane	63	5.593	5.593	(1.098)	386796	50.0000	50.907
44 1,4-Dioxane	88	5.700	5.700	(1.118)	102808	2500.00	2735.0(A)
45 Dibromomethane	93	5.688	5.688	(1.116)	138702	50.0000	53.166
46 Bromodichloromethane	83	5.818	5.818	(1.142)	360431	50.0000	51.626
48 cis-1,3-Dichloropropene	75	6.197	6.197	(1.216)	497157	50.0000	52.457
49 4-Methyl-2-pentanone	43	6.315	6.315	(1.239)	556003	100.000	100.57
50 Toluene	91	6.505	6.505	(0.840)	1573894	50.0000	49.688
51 trans-1,3-Dichloropropene	75	6.682	6.682	(0.863)	378817	50.0000	51.772
52 Ethyl Methacrylate	69	6.741	6.741	(0.870)	326351	50.0000	52.726
53 1,1,2-Trichloroethane	97	6.848	6.848	(0.884)	237946	50.0000	49.666
54 1,3-Dichloropropane	76	7.002	7.002	(0.904)	442574	50.0000	51.193
55 Tetrachloroethene	164	7.002	7.002	(0.904)	282423	50.0000	49.512
56 2-Hexanone	43	7.061	7.061	(0.911)	408665	100.000	96.629
57 Dibromochloromethane	129	7.215	7.215	(0.931)	235126	50.0000	52.760
58 1,2-Dibromoethane	107	7.321	7.321	(0.945)	220475	50.0000	51.586
59 Chlorobenzene	112	7.771	7.771	(1.003)	1032606	50.0000	49.940
60 1,1,1,2-Tetrachloroethane	131	7.842	7.842	(1.012)	311786	50.0000	52.347
61 Ethylbenzene	91	7.865	7.865	(1.015)	1824527	50.0000	50.914
62 m + p-Xylene	91	7.972	7.972	(1.029)	2854145	100.000	102.20
64 Xylene-o	91	8.351	8.351	(1.078)	1445930	50.0000	51.045
65 Styrene	104	8.362	8.362	(1.079)	1171870	50.0000	53.237
66 Bromoform	173	8.540	8.540	(1.102)	124751	50.0000	47.242
67 Isopropylbenzene	105	8.706	8.706	(1.124)	1670598	50.0000	51.175
68 1,1,2,2-Tetrachloroethane	83	8.978	8.978	(0.899)	252554	50.0000	50.923
69 1,4-Dichloro-2-butene	53	9.025	9.025	(0.904)	55609	50.0000	49.041
70 1,2,3-Trichloropropane	110	9.025	9.025	(0.904)	79762	50.0000	51.749
71 Bromobenzene	156	9.001	9.001	(0.902)	379098	50.0000	49.049
72 n-Propylbenzene	91	9.096	9.096	(0.911)	2019497	50.0000	50.264
73 2-Chlorotoluene	126	9.191	9.191	(0.921)	421505	50.0000	50.637
74 1,3,5-Trimethylbenzene	105	9.262	9.262	(0.928)	1403041	50.0000	50.960
75 4-Chlorotoluene	126	9.297	9.297	(0.931)	416854	50.0000	50.193
76 tert-Butylbenzene	119	9.581	9.581	(0.960)	1269527	50.0000	50.475
77 1,2,4-Trimethylbenzene	105	9.628	9.628	(0.964)	1411339	50.0000	50.649
78 sec-Butylbenzene	105	9.806	9.806	(0.982)	1779943	50.0000	50.033
79 4-Isopropyltoluene	119	9.936	9.936	(0.995)	1422315	50.0000	49.776
80 1,3-Dichlorobenzene	146	9.912	9.912	(0.993)	734108	50.0000	49.114

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93573.D
Report Date: 27-May-2005 20:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
81 1,4-Dichlorobenzene	146	10.007	10.007	(1.002)	747154	50.0000	49.245
82 n-Butylbenzene	91	10.350	10.350	(1.037)	1236555	50.0000	50.984
83 1,2-Dichlorobenzene	146	10.374	10.374	(1.039)	665930	50.0000	50.123
84 1,2-Dibromo-3-chloropropane	157	11.143	11.143	(1.116)	35216	50.0000	49.446
85 1,2,4-Trichlorobenzene	180	11.971	11.971	(1.199)	364982	50.0000	50.783
86 Hexachlorobutadiene	225	12.137	12.137	(1.216)	179412	50.0000	47.829
87 Naphthalene	128	12.208	12.208	(1.223)	602886	50.0000	47.371
88 1,2,3-Trichlorobenzene	180	12.457	12.457	(1.248)	288459	50.0000	52.894
98 Cyclohexane	56	4.635	4.635	(0.909)	820712	50.0000	50.512
143 Methyl Acetate	43	3.049	3.049	(0.598)	419243	100.000	94.882
144 Methylcyclohexane	83	5.582	5.582	(1.095)	627347	50.0000	50.133
141 1,3,5-Trichlorobenzene	180	11.356	11.356	(1.137)	477594	50.0000	49.266

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanch04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93573.D
Date : 27-MAY-2005 10:31
Client ID:
Sample Info: 50NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-Fluorobenzene
1,2-Dichloroethane+
-Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
Xylene-o+
-Bromoform
-1,2-Dichloroethene (total)
-Bromofluorobenzene
Isopropylbenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene+
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene+
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
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Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93574.D
Report Date: 27-May-2005 20:28

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93574.D
Lab Smp Id: 25NG-IC
Inj Date : 27-MAY-2005 10:53
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 25NG-IC
Misc Info : N50527IC,8260MIUX9,2-8260.SUB,1819,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
Meth Date : 27-May-2005 20:28 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 21:56 Cal File: UX93513.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.098	5.098	(1.000)	1249995	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	934653	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	411672	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	126781	25.0000	24.736
$ 5 1,2-Dichloroethane-d4	65	4.814	4.814	(0.944)	154290	25.0000	26.402
$ 6 Toluene-d8	98	6.446	6.446	(0.832)	649247	25.0000	25.430
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	244824	25.0000	24.926
8 Dichlorodifluoromethane	85	1.583	1.583	(0.311)	106463	25.0000	24.732
9 Chloromethane	50	1.713	1.713	(0.336)	225775	25.0000	23.938
10 Vinyl Chloride	62	1.808	1.808	(0.355)	183108	25.0000	25.013
11 Bromomethane	94	2.104	2.104	(0.413)	69033	25.0000	25.883
12 Chloroethane	64	2.198	2.198	(0.431)	92982	25.0000	25.774
13 Trichlorofluoromethane	101	2.376	2.376	(0.466)	145469	25.0000	23.909
15 Acrolein	56	2.672	2.672	(0.524)	185292	250.000	253.78(A)
16 Acetone	43	2.790	2.790	(0.547)	137248	50.0000	58.344
17 1,1-Dichloroethene	61	2.766	2.766	(0.543)	251521	25.0000	25.877
18 Freon-113	151	2.814	2.814	(0.552)	107046	25.0000	25.119
19 Iodomethane	142	2.897	2.897	(0.568)	210378	25.0000	25.393
20 Carbon Disulfide	76	2.956	2.956	(0.580)	487315	25.0000	25.262
21 Methylene Chloride	84	3.133	3.133	(0.615)	180756	25.0000	24.839
22 Acetonitrile	41	3.015	3.015	(0.591)	184509	250.000	246.53
23 Acrylonitrile	53	3.323	3.323	(0.652)	481137	250.000	247.17

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93574.D
Report Date: 27-May-2005 20:28

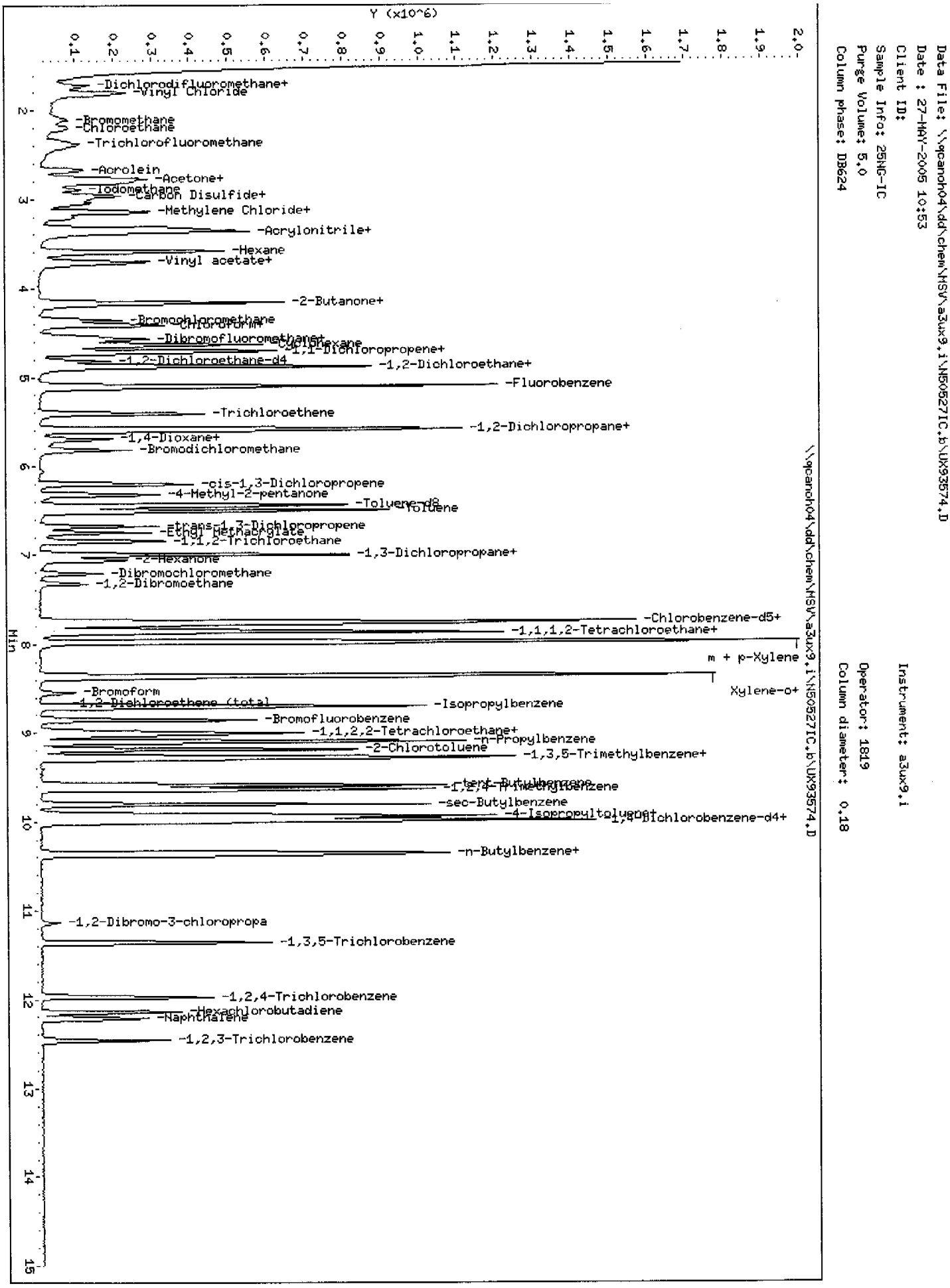
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.358	3.358	(0.659)	189531	25.0000	24.358
25 trans-1,2-Dichloroethene	61	3.370	3.370	(0.661)	262068	25.0000	25.349
26 Hexane	57	3.583	3.583	(0.703)	302288	25.0000	25.119
27 Vinyl acetate	43	3.713	3.713	(0.728)	290492	25.0000	24.065
28 1,1-Dichloroethane	63	3.689	3.689	(0.724)	316573	25.0000	25.637
29 tert-Butyl Alcohol	59	3.204	3.204	(0.629)	110831	500.000	488.93(A)
30 2-Butanone	43	4.151	4.151	(0.814)	150672	50.0000	50.201
32 cis-1,2-dichloroethene	61	4.163	4.163	(0.817)	280995	25.0000	25.461
33 2,2-Dichloropropane	77	4.163	4.163	(0.817)	168625	25.0000	25.761
34 Bromochloromethane	128	4.352	4.352	(0.854)	69140	25.0000	25.448
35 Chloroform	83	4.411	4.411	(0.865)	252810	25.0000	26.166
36 Tetrahydrofuran	42	4.399	4.399	(0.863)	45624	25.0000	25.723
37 1,1,1-Trichloroethane	97	4.577	4.577	(0.898)	205517	25.0000	25.579
38 1,1-Dichloropropene	75	4.707	4.707	(0.923)	207354	25.0000	25.311
39 Carbon Tetrachloride	117	4.719	4.719	(0.926)	168779	25.0000	25.615
40 1,2-Dichloroethane	62	4.885	4.885	(0.958)	200926	25.0000	25.105
41 Benzene	78	4.873	4.873	(0.956)	690644	25.0000	24.844
42 Trichloroethene	130	5.405	5.405	(1.060)	175970	25.0000	25.823
43 1,2-Dichloropropane	63	5.594	5.594	(1.097)	189445	25.0000	25.081
44 1,4-Dioxane	88	5.701	5.701	(1.118)	46187	1250.00	1236.0(A)
45 Dibromomethane	93	5.689	5.689	(1.116)	67111	25.0000	25.877
46 Bromodichloromethane	83	5.819	5.819	(1.142)	178231	25.0000	25.680
48 cis-1,3-Dichloropropene	75	6.198	6.198	(1.216)	239118	25.0000	25.380
49 4-Methyl-2-pentanone	43	6.316	6.316	(1.239)	272074	50.0000	49.503
50 Toluene	91	6.494	6.494	(0.838)	786611	25.0000	25.107
51 trans-1,3-Dichloropropene	75	6.671	6.671	(0.861)	184034	25.0000	25.429
52 Ethyl Methacrylate	69	6.742	6.742	(0.870)	155798	25.0000	25.448
53 1,1,2-Trichloroethane	97	6.849	6.849	(0.884)	119193	25.0000	25.153
54 1,3-Dichloropropane	76	7.003	7.003	(0.904)	212855	25.0000	24.892
55 Tetrachloroethene	164	7.003	7.003	(0.904)	143690	25.0000	25.468
56 2-Hexanone	43	7.062	7.062	(0.911)	228588	50.0000	54.645
57 Dibromochloromethane	129	7.216	7.216	(0.931)	110800	25.0000	25.136
58 1,2-Dibromoethane	107	7.322	7.322	(0.945)	108047	25.0000	25.559
59 Chlorobenzene	112	7.772	7.772	(1.003)	509327	25.0000	24.904
60 1,1,1,2-Tetrachloroethane	131	7.843	7.843	(1.012)	149789	25.0000	25.426
61 Ethylbenzene	91	7.866	7.866	(1.015)	883546	25.0000	24.927
62 m + p-Xylene	91	7.973	7.973	(1.029)	1392846	50.0000	50.421
64 Xylene-o	91	8.352	8.352	(1.078)	707848	25.0000	25.264
65 Styrene	104	8.363	8.363	(1.079)	554495	25.0000	25.468
66 Bromoform	173	8.541	8.541	(1.102)	56932	25.0000	23.874
67 Isopropylbenzene	105	8.695	8.695	(1.122)	812801	25.0000	25.173
68 1,1,2,2-Tetrachloroethane	83	8.979	8.979	(0.899)	122805	25.0000	25.419
69 1,4-Dichloro-2-butene	53	9.026	9.026	(0.904)	25900	25.0000	23.447
70 1,2,3-Trichloropropane	110	9.026	9.026	(0.904)	39886	25.0000	26.565
71 Bromobenzene	156	9.002	9.002	(0.902)	186080	25.0000	24.715
72 n-Propylbenzene	91	9.097	9.097	(0.911)	989432	25.0000	25.280
73 2-Chlorotoluene	126	9.192	9.192	(0.921)	212640	25.0000	26.223
74 1,3,5-Trimethylbenzene	105	9.263	9.263	(0.928)	686225	25.0000	25.586
75 4-Chlorotoluene	126	9.286	9.286	(0.930)	209956	25.0000	25.952
76 tert-Butylbenzene	119	9.582	9.582	(0.960)	610188	25.0000	24.904
77 1,2,4-Trimethylbenzene	105	9.629	9.629	(0.964)	677565	25.0000	24.961
78 sec-Butylbenzene	105	9.795	9.795	(0.981)	866431	25.0000	25.001
79 4-Isopropyltoluene	119	9.937	9.937	(0.995)	690501	25.0000	24.807
80 1,3-Dichlorobenzene	146	9.913	9.913	(0.993)	369310	25.0000	25.364

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93574.D
Report Date: 27-May-2005 20:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
81 1,4-Dichlorobenzene	146	10.008	10.008	(1.002)	373611	25.0000	25.278
82 n-Butylbenzene	91	10.339	10.339	(1.036)	594833	25.0000	25.176
83 1,2-Dichlorobenzene	146	10.375	10.375	(1.039)	323409	25.0000	24.988
84 1,2-Dibromo-3-chloropropane	157	11.144	11.144	(1.116)	15322	25.0000	23.180
85 1,2,4-Trichlorobenzene	180	11.972	11.972	(1.199)	174341	25.0000	24.901
86 Hexachlorobutadiene	225	12.138	12.138	(1.216)	89680	25.0000	24.542
87 Naphthalene	128	12.209	12.209	(1.223)	270063	25.0000	23.737
88 1,2,3-Trichlorobenzene	180	12.458	12.458	(1.248)	133156	25.0000	25.064
98 Cyclohexane	56	4.636	4.636	(0.909)	402660	25.0000	24.929
143 Methyl Acetate	43	3.050	3.050	(0.598)	207544	50.0000	47.250
144 Methylcyclohexane	83	5.583	5.583	(1.095)	319586	25.0000	25.690
141 1,3,5-Trichlorobenzene	180	11.357	11.357	(1.137)	232760	25.0000	24.648

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Client ID:
Sample Info: 25NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane+
m + p-Xylene
Xylene-o+
-Bromoform
-1,2-Dichloroethene (total)
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-4-Isopropyltoluene+
-1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
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Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93575.D
Report Date: 27-May-2005 20:28

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93575.D
Lab Smp Id: 10NG-IC
Inj Date : 27-MAY-2005 11:15
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 10NG-IC
Misc Info : N50527IC,8260MIUX9,2-8260.SUB,1819,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
Meth Date : 27-May-2005 20:28 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 22:41 Cal File: UX93515.D
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

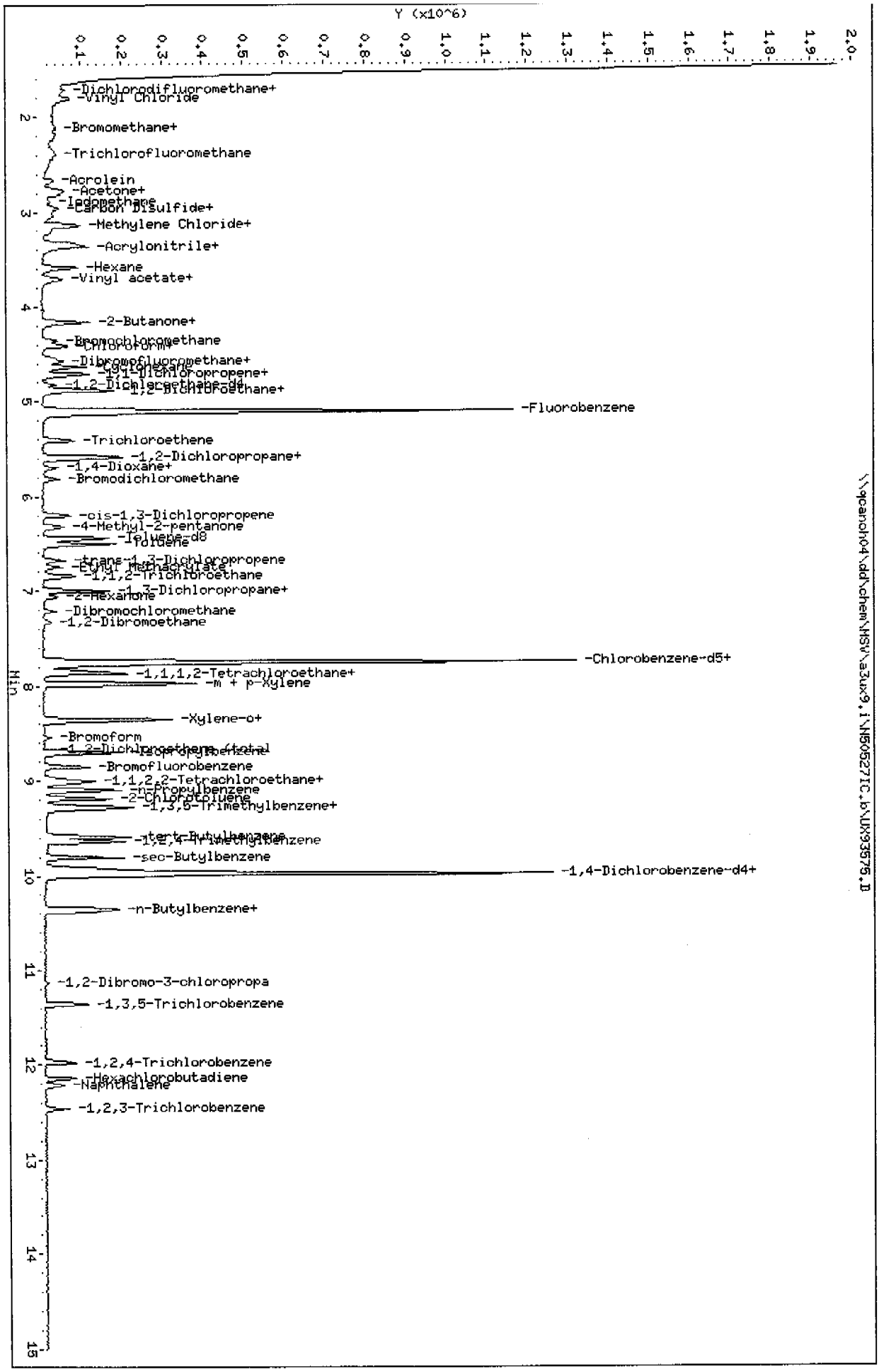
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.100	5.100	(1.000)	1247632	50.0000	
* 2 Chlorobenzene-d5	117	7.751	7.751	(1.000)	931922	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.975	9.975	(1.000)	383932	50.0000	
$ 4 Dibromofluoromethane	113	4.544	4.544	(0.891)	26081	5.00000	5.098
$ 5 1,2-Dichloroethane-d4	65	4.816	4.816	(0.944)	26863	5.00000	4.605
$ 6 Toluene-d8	98	6.437	6.437	(0.831)	123292	5.00000	4.843
$ 7 Bromofluorobenzene	95	8.851	8.851	(1.142)	46855	5.00000	4.784
8 Dichlorodifluoromethane	85	1.610	1.610	(0.316)	20005	5.00000	4.656
9 Chloromethane	50	1.716	1.716	(0.337)	48708	5.00000	5.174
10 Vinyl Chloride	62	1.811	1.811	(0.355)	34414	5.00000	4.710
11 Bromomethane	94	2.107	2.107	(0.413)	13975	5.00000	5.250
12 Chloroethane	64	2.201	2.201	(0.432)	17752	5.00000	4.930
13 Trichlorofluoromethane	101	2.391	2.391	(0.469)	28271	5.00000	4.655
15 Acrolein	56	2.675	2.675	(0.524)	34811	50.0000	47.768
16 Acetone	43	2.781	2.781	(0.545)	41361	10.0000	11.888
17 1,1-Dichloroethene	61	2.769	2.769	(0.543)	44649	5.00000	4.602
18 Freon-113	151	2.817	2.817	(0.552)	18343	5.00000	4.312
19 Iodomethane	142	2.888	2.888	(0.566)	40431	5.00000	4.889
20 Carbon Disulfide	76	2.959	2.959	(0.580)	89792	5.00000	4.664
21 Methylene Chloride	84	3.136	3.136	(0.615)	59178	5.00000	4.955
22 Acetonitrile	41	3.018	3.018	(0.592)	38848	50.0000	52.005
23 Acrylonitrile	53	3.325	3.325	(0.652)	95188	50.0000	48.993

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93575.D
Report Date: 27-May-2005 20:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.361	3.361	(0.659)	37074	5.00000	4.774
25 trans-1,2-Dichloroethene	61	3.361	3.361	(0.659)	51009	5.00000	4.943
26 Hexane	57	3.586	3.586	(0.703)	55312	5.00000	4.605
27 Vinyl acetate	43	3.716	3.716	(0.729)	59779	5.00000	4.962
28 1,1-Dichloroethane	63	3.692	3.692	(0.724)	60670	5.00000	4.922
29 tert-Butyl Alcohol	59	3.219	3.219	(0.631)	23846	100.000	105.40
30 2-Butanone	43	4.154	4.154	(0.814)	30090	10.0000	10.044
32 cis-1,2-dichloroethene	61	4.166	4.166	(0.817)	54745	5.00000	4.970
33 2,2-Dichloropropane	77	4.166	4.166	(0.817)	28745	5.00000	4.400
34 Bromochloromethane	128	4.355	4.355	(0.854)	12584	5.00000	4.640
35 Chloroform	83	4.414	4.414	(0.865)	44968	5.00000	4.663
36 Tetrahydrofuran	42	4.390	4.390	(0.861)	12659	5.00000	4.190
37 1,1,1-Trichloroethane	97	4.580	4.580	(0.898)	37568	5.00000	4.685
38 1,1-Dichloropropene	75	4.710	4.710	(0.923)	38492	5.00000	4.707
39 Carbon Tetrachloride	117	4.722	4.722	(0.926)	29233	5.00000	4.445
40 1,2-Dichloroethane	62	4.876	4.876	(0.956)	38772	5.00000	4.854
41 Benzene	78	4.876	4.876	(0.956)	137196	5.00000	4.944
42 Trichloroethene	130	5.408	5.408	(1.060)	30585	5.00000	4.497
43 1,2-Dichloropropane	63	5.585	5.585	(1.095)	37708	5.00000	5.002
44 1,4-Dioxane	88	5.704	5.704	(1.118)	9294	250.000	249.19
45 Dibromomethane	93	5.692	5.692	(1.116)	12197	5.00000	4.712
46 Bromodichloromethane	83	5.810	5.810	(1.139)	32491	5.00000	4.690
48 cis-1,3-Dichloropropene	75	6.201	6.201	(1.216)	42760	5.00000	4.547
49 4-Methyl-2-pentanone	43	6.319	6.319	(1.239)	55899	10.0000	10.190
50 Toluene	91	6.497	6.497	(0.838)	153269	5.00000	4.906
51 trans-1,3-Dichloropropene	75	6.674	6.674	(0.861)	33985	5.00000	4.710
52 Ethyl Methacrylate	69	6.745	6.745	(0.870)	27587	5.00000	4.519
53 1,1,2-Trichloroethane	97	6.840	6.840	(0.882)	22234	5.00000	4.706
54 1,3-Dichloropropane	76	7.005	7.005	(0.904)	41725	5.00000	4.894
55 Tetrachloroethene	164	6.994	6.994	(0.902)	28190	5.00000	5.011
56 2-Hexanone	43	7.065	7.065	(0.911)	41439	10.0000	9.935
57 Dibromochloromethane	129	7.207	7.207	(0.930)	18882	5.00000	4.296
58 1,2-Dibromoethane	107	7.325	7.325	(0.945)	19696	5.00000	4.673
59 Chlorobenzene	112	7.775	7.775	(1.003)	97296	5.00000	4.771
60 1,1,1,2-Tetrachloroethane	131	7.846	7.846	(1.012)	27795	5.00000	4.732
61 Ethylbenzene	91	7.869	7.869	(1.015)	164790	5.00000	4.663
62 m + p-Xylene	91	7.976	7.976	(1.029)	255043	10.0000	9.260
64 Xylene-o	91	8.354	8.354	(1.078)	129538	5.00000	4.637
65 Styrene	104	8.366	8.366	(1.079)	94256	5.00000	4.342
66 Bromoform	173	8.544	8.544	(1.102)	9875	5.00000	7.338
67 Isopropylbenzene	105	8.698	8.698	(1.122)	146946	5.00000	4.564
68 1,1,2,2-Tetrachloroethane	83	8.982	8.982	(0.900)	23020	5.00000	5.109
69 1,4-Dichloro-2-butene	53	9.029	9.029	(0.905)	4403	5.00000	4.274
70 1,2,3-Trichloropropane	110	9.017	9.017	(0.904)	7102	5.00000	5.072
71 Bromobenzene	156	9.005	9.005	(0.903)	37983	5.00000	5.409
72 n-Propylbenzene	91	9.100	9.100	(0.912)	170074	5.00000	4.659
73 2-Chlorotoluene	126	9.183	9.183	(0.921)	37192	5.00000	4.918
74 1,3,5-Trimethylbenzene	105	9.265	9.265	(0.929)	118566	5.00000	4.740
75 4-Chlorotoluene	126	9.289	9.289	(0.931)	39250	5.00000	5.202
76 tert-Butylbenzene	119	9.585	9.585	(0.961)	113137	5.00000	4.951
77 1,2,4-Trimethylbenzene	105	9.632	9.632	(0.966)	125769	5.00000	4.968
78 sec-Butylbenzene	105	9.798	9.798	(0.982)	159853	5.00000	4.946
79 4-Isopropyltoluene	119	9.940	9.940	(0.996)	124219	5.00000	4.785
80 1,3-Dichlorobenzene	146	9.916	9.916	(0.994)	69955	5.00000	5.152

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93575.D
Report Date: 27-May-2005 20:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
81 1,4-Dichlorobenzene	146	9.999	9.999	(1.002)	70473	5.00000	5.113
82 n-Butylbenzene	91	10.342	10.342	(1.037)	102051	5.00000	4.631
83 1,2-Dichlorobenzene	146	10.378	10.378	(1.040)	60046	5.00000	4.975
84 1,2-Dibromo-3-chloropropane	157	11.135	11.135	(1.116)	3129	5.00000	6.623
85 1,2,4-Trichlorobenzene	180	11.975	11.975	(1.200)	32682	5.00000	5.005
86 Hexachlorobutadiene	225	12.141	12.141	(1.217)	17844	5.00000	5.236
87 Naphthalene	128	12.212	12.212	(1.224)	43424	5.00000	7.087
88 1,2,3-Trichlorobenzene	180	12.460	12.460	(1.249)	23267	5.00000	4.696
98 Cyclohexane	56	4.627	4.627	(0.907)	72030	5.00000	4.468
143 Methyl Acetate	43	3.053	3.053	(0.599)	49268	10.0000	11.238
144 Methylcyclohexane	83	5.585	5.585	(1.095)	56038	5.00000	4.513
141 1,3,5-Trichlorobenzene	180	11.360	11.360	(1.139)	43915	5.00000	4.986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Client ID:
Sample Info: 10NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18
\\qcanch04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93575.D
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane+
-m + p-Xylene
-Xylene-o+
-Bromoform
-1,2-Dichloroethene (total
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93576.D
Report Date: 27-May-2005 20:28

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93576.D
Lab Smp Id: 5NG-IC
Inj Date : 27-MAY-2005 11:37
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 2.5NG-IC
Misc Info : N50527IC,8260MIUX9,2-8260.SUB,1819,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
Meth Date : 27-May-2005 20:28 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 23:03 Cal File: UX93516.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

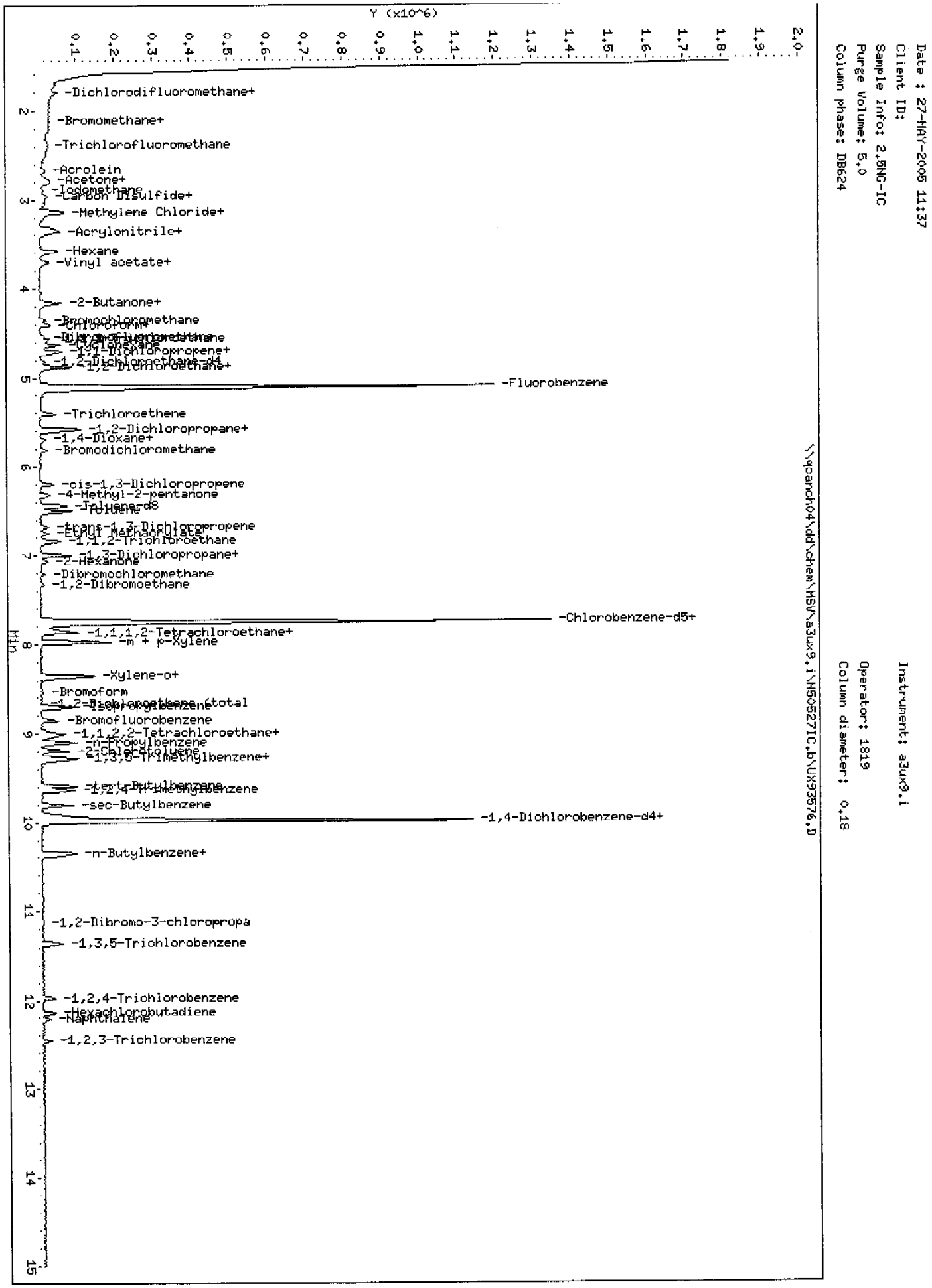
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.098	5.098	(1.000)	1247903	50.0000	
* 2 Chlorobenzene-d5	117	7.749	7.749	(1.000)	910895	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.985	9.985	(1.000)	379131	50.0000	
$ 4 Dibromofluoromethane	113	4.542	4.542	(0.891)	12508	2.50000	2.444
$ 5 1,2-Dichloroethane-d4	65	4.826	4.826	(0.947)	13357	2.50000	2.289
$ 6 Toluene-d8	98	6.435	6.435	(0.831)	57762	2.50000	2.321
$ 7 Bromofluorobenzene	95	8.849	8.849	(1.142)	22873	2.50000	2.389
8 Dichlorodifluoromethane	85	1.608	1.608	(0.315)	8476	2.50000	1.972
9 Chloromethane	50	1.714	1.714	(0.336)	23045	2.50000	2.447
10 Vinyl Chloride	62	1.809	1.809	(0.355)	16333	2.50000	2.235
11 Bromomethane	94	2.116	2.116	(0.415)	6291	2.50000	2.363
12 Chloroethane	64	2.199	2.199	(0.431)	8219	2.50000	2.282
13 Trichlorofluoromethane	101	2.389	2.389	(0.469)	12829	2.50000	2.112
15 Acrolein	56	2.673	2.673	(0.524)	19016	25.0000	26.088
16 Acetone	43	2.791	2.791	(0.547)	20056	5.00000	1.536
17 1,1-Dichloroethene	61	2.767	2.767	(0.543)	21277	2.50000	2.193
18 Freon-113	151	2.803	2.803	(0.550)	10603	2.50000	2.492
19 Iodomethane	142	2.897	2.897	(0.568)	18418	2.50000	2.227
20 Carbon Disulfide	76	2.957	2.957	(0.580)	44183	2.50000	2.294
21 Methylene Chloride	84	3.134	3.134	(0.615)	38814	2.50000	1.614
22 Acetonitrile	41	3.004	3.004	(0.589)	21323	25.0000	28.538
23 Acrylonitrile	53	3.335	3.335	(0.654)	50522	25.0000	25.998

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93576.D
Report Date: 27-May-2005 20:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.359	3.359	(0.659)	18389	2.50000	2.367
25 trans-1,2-Dichloroethene	61	3.359	3.359	(0.659)	23359	2.50000	2.263
26 Hexane	57	3.584	3.584	(0.703)	30224	2.50000	2.516
27 Vinyl acetate	43	3.714	3.714	(0.728)	32392	2.50000	2.688
28 1,1-Dichloroethane	63	3.702	3.702	(0.726)	27707	2.50000	2.248
29 tert-Butyl Alcohol	59	3.217	3.217	(0.631)	11438	50.0000	50.543
30 2-Butanone	43	4.164	4.164	(0.817)	18739	5.00000	6.254
32 cis-1,2-dichloroethene	61	4.164	4.164	(0.817)	25339	2.50000	2.300
33 2,2-Dichloropropane	77	4.164	4.164	(0.817)	14410	2.50000	2.205
34 Bromochloromethane	128	4.353	4.353	(0.854)	6117	2.50000	2.255
35 Chloroform	83	4.412	4.412	(0.865)	21828	2.50000	2.263
36 Tetrahydrofuran	42	4.400	4.400	(0.863)	8188	2.50000	1.261
37 1,1,1-Trichloroethane	97	4.578	4.578	(0.898)	18008	2.50000	2.245
38 1,1-Dichloropropene	75	4.708	4.708	(0.923)	18593	2.50000	2.273
39 Carbon Tetrachloride	117	4.720	4.720	(0.926)	14787	2.50000	2.248
40 1,2-Dichloroethane	62	4.885	4.885	(0.958)	19392	2.50000	2.427
41 Benzene	78	4.873	4.873	(0.956)	66247	2.50000	2.387
42 Trichloroethene	130	5.406	5.406	(1.060)	16222	2.50000	2.384
43 1,2-Dichloropropane	63	5.595	5.595	(1.097)	18051	2.50000	2.394
44 1,4-Dioxane	88	5.714	5.714	(1.121)	4060	125.000	108.83
45 Dibromomethane	93	5.702	5.702	(1.118)	5365	2.50000	2.072
46 Bromodichloromethane	83	5.820	5.820	(1.142)	14976	2.50000	2.161
48 cis-1,3-Dichloropropene	75	6.199	6.199	(1.216)	20139	2.50000	2.141
49 4-Methyl-2-pentanone	43	6.317	6.317	(1.239)	26226	5.00000	4.780
50 Toluene	91	6.506	6.506	(0.840)	73085	2.50000	2.394
51 trans-1,3-Dichloropropene	75	6.672	6.672	(0.861)	14035	2.50000	1.990
52 Ethyl Methacrylate	69	6.755	6.755	(0.872)	12385	2.50000	2.076
53 1,1,2-Trichloroethane	97	6.850	6.850	(0.884)	12307	2.50000	2.665
54 1,3-Dichloropropane	76	7.003	7.003	(0.904)	20516	2.50000	2.462
55 Tetrachloroethene	164	7.003	7.003	(0.904)	13298	2.50000	2.418
56 2-Hexanone	43	7.063	7.063	(0.911)	18606	5.00000	4.564
57 Dibromochloromethane	129	7.216	7.216	(0.931)	9212	2.50000	2.144
58 1,2-Dibromoethane	107	7.323	7.323	(0.945)	9473	2.50000	2.299
59 Chlorobenzene	112	7.773	7.773	(1.003)	48199	2.50000	2.418
60 1,1,1,2-Tetrachloroethane	131	7.844	7.844	(1.012)	12203	2.50000	2.125
61 Ethylbenzene	91	7.867	7.867	(1.015)	79517	2.50000	2.302
62 m + p-Xylene	91	7.974	7.974	(1.029)	120592	5.00000	4.479
64 Xylene-o	91	8.352	8.352	(1.078)	62817	2.50000	2.300
65 Styrene	104	8.364	8.364	(1.079)	42669	2.50000	2.011
66 Bromoform	173	8.542	8.542	(1.102)	4354	2.50000	5.427
67 Isopropylbenzene	105	8.695	8.695	(1.122)	68816	2.50000	2.187
68 1,1,2,2-Tetrachloroethane	83	8.979	8.979	(0.899)	10667	2.50000	2.397
69 1,4-Dichloro-2-butene	53	9.015	9.015	(0.903)	2705	2.50000	2.659
70 1,2,3-Trichloropropane	110	9.027	9.027	(0.904)	3209	2.50000	2.321
71 Bromobenzene	156	9.003	9.003	(0.902)	16861	2.50000	2.432
72 n-Propylbenzene	91	9.098	9.098	(0.911)	81419	2.50000	2.259
73 2-Chlorotoluene	126	9.192	9.192	(0.921)	17575	2.50000	2.353
74 1,3,5-Trimethylbenzene	105	9.263	9.263	(0.928)	55435	2.50000	2.244
75 4-Chlorotoluene	126	9.287	9.287	(0.930)	16375	2.50000	2.198
76 tert-Butylbenzene	119	9.583	9.583	(0.960)	53675	2.50000	2.379
77 1,2,4-Trimethylbenzene	105	9.630	9.630	(0.964)	55425	2.50000	2.217
78 sec-Butylbenzene	105	9.796	9.796	(0.981)	72468	2.50000	2.270
79 4-Isopropyltoluene	119	9.938	9.938	(0.995)	60941	2.50000	2.377
80 1,3-Dichlorobenzene	146	9.914	9.914	(0.993)	31956	2.50000	2.383

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93576.D
Report Date: 27-May-2005 20:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
81 1,4-Dichlorobenzene	146	10.009	10.009	(1.002)	33461	2.50000	2.458
82 n-Butylbenzene	91	10.352	10.352	(1.037)	47519	2.50000	2.184
83 1,2-Dichlorobenzene	146	10.376	10.376	(1.039)	29379	2.50000	2.465
84 1,2-Dibromo-3-chloropropane	157	11.133	11.133	(1.115)	989	2.50000	3.466
85 1,2,4-Trichlorobenzene	180	11.973	11.973	(1.199)	13149	2.50000	2.039
86 Hexachlorobutadiene	225	12.139	12.139	(1.216)	9119	2.50000	2.710
87 Naphthalene	128	12.210	12.210	(1.223)	17747	2.50000	5.054
88 1,2,3-Trichlorobenzene	180	12.458	12.458	(1.248)	10209	2.50000	2.087
98 Cyclohexane	56	4.637	4.637	(0.909)	39321	2.50000	2.438
143 Methyl Acetate	43	3.051	3.051	(0.599)	24860	5.00000	5.669
144 Methylcyclohexane	83	5.583	5.583	(1.095)	30676	2.50000	2.470
141 1,3,5-Trichlorobenzene	180	11.358	11.358	(1.137)	21841	2.50000	2.511


Data File: \\qcanch04\dd\chem\HSV\a3ux9.i\N50527IC.b\UX93576.D
Date : 27-MAY-2005 11:37
Client ID:
Sample Info: 2.5NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18
\\qcanch04\dd\chem\HSV\a3ux9.i\N50527IC.b\UX93576.D
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform
-Dibromofluoromethane
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane+
-m + p-Xylene
-Xylene-o+
-Bromoform
-1,2-Dichloroethene (total
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93577.D
Report Date: 27-May-2005 20:28

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93577.D
Lab Smp Id: HCJFM1AC
Inj Date : 27-MAY-2005 11:59
Operator : 1819 Inst ID: a3ux9.i
Smp Info : ICV/CHECK
Misc Info : N50527IC,8260MIUX9,2-8260.SUB,1819,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
Meth Date : 27-May-2005 20:28 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 8 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.099	5.097	(1.000)	1263401	50.0000	
* 2 Chlorobenzene-d5	117	7.750	7.747	(1.000)	940747	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.974	9.983	(1.000)	400211	50.0000	
$ 4 Dibromofluoromethane	113	4.543	4.540	(0.891)	255233	49.2692	9.854
$ 5 1,2-Dichloroethane-d4	65	4.815	4.813	(0.944)	295287	49.9927	9.998
$ 6 Toluene-d8	98	6.436	6.445	(0.831)	1270141	49.4265	9.885
$ 7 Bromofluorobenzene	95	8.850	8.848	(1.142)	475889	48.1371	9.627
8 Dichlorodifluoromethane	85	1.585	1.594	(0.311)	252601	58.0575	11.612
9 Chloromethane	50	1.715	1.712	(0.336)	525258	55.0991	11.020
10 Vinyl Chloride	62	1.810	1.807	(0.355)	420572	56.8415	11.368
11 Bromomethane	94	2.094	2.103	(0.411)	157837	58.5507	11.710
12 Chloroethane	64	2.200	2.186	(0.432)	204690	56.1372	11.227
13 Trichlorofluoromethane	101	2.378	2.375	(0.466)	341719	55.5682	11.114
15 Acrolein	56	2.674	2.671	(0.524)	464051	628.832	125.77(A)
16 Acetone	43	2.792	2.789	(0.548)	86355	33.2224	6.644
17 1,1-Dichloroethene	61	2.768	2.765	(0.543)	534746	54.4314	10.886
18 Freon-113	151	2.816	2.813	(0.552)	248210	57.6254	11.525
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.958	2.955	(0.580)	1046507	53.6745	10.735
21 Methylene Chloride	84	3.135	3.144	(0.615)	342720	50.7572	10.151
22 Acetonitrile	41	3.005	3.014	(0.589)	347007	458.732	91.746(A)
23 Acrylonitrile	53	3.324	3.322	(0.652)	914810	464.970	92.994(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93577.D
Report Date: 27-May-2005 20:28

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.360	3.357	(0.659)	373677	47.5134	9.503
	25 trans-1,2-Dichloroethene	61	3.360	3.369	(0.659)	533774	51.0821	10.216
	26 Hexane	57	3.585	3.582	(0.703)	663312	54.5349	10.907
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.691	3.688	(0.724)	637493	51.0787	10.216
	29 tert-Butyl Alcohol	59	3.206	3.203	(0.629)	7339	32.0324	6.406
	30 2-Butanone	43	4.153	4.150	(0.814)	109749	36.1782	7.236
M	31 1,2-Dichloroethene (total)	61				1036611	96.1611	19.232
	32 cis-1,2-dichloroethene	61	4.165	4.162	(0.817)	502837	45.0789	9.016
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.413	4.410	(0.865)	490510	50.2290	10.046
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.579	4.576	(0.898)	409541	50.4317	10.086
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.721	4.718	(0.926)	341523	51.2812	10.256
	40 1,2-Dichloroethane	62	4.886	4.884	(0.958)	395927	48.9456	9.789
	41 Benzene	78	4.875	4.884	(0.956)	1417698	50.4556	10.091
	42 Trichloroethene	130	5.407	5.404	(1.060)	349675	50.7686	10.154
	43 1,2-Dichloropropane	63	5.584	5.593	(1.095)	376711	49.3450	9.869
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.821	5.818	(1.142)	334839	47.7333	9.547
	48 cis-1,3-Dichloropropene	75	6.200	6.197	(1.216)	463016	48.6231	9.725
	49 4-Methyl-2-pentanone	43	6.318	6.315	(1.239)	235482	42.3907	8.478
	50 Toluene	91	6.496	6.505	(0.838)	1523642	48.3161	9.663
	51 trans-1,3-Dichloropropene	75	6.673	6.682	(0.861)	353457	48.5222	9.704
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.851	6.848	(0.884)	223242	46.8053	9.361
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.004	7.002	(0.904)	280235	49.3474	9.869
	56 2-Hexanone	43	7.052	7.061	(0.910)	152539	36.2289	7.246
	57 Dibromochloromethane	129	7.206	7.215	(0.930)	205651	46.3527	9.270
	58 1,2-Dibromoethane	107	7.324	7.321	(0.945)	202876	47.6808	9.536
	59 Chlorobenzene	112	7.774	7.771	(1.003)	992283	48.2040	9.641
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	7.868	7.865	(1.015)	1724392	48.3345	9.667
	62 m + p-Xylene	91	7.975	7.972	(1.029)	2708773	97.4230	19.485
M	63 Xylenes (total)	91				4062418	145.423	29.085
	64 Xylene-o	91	8.353	8.351	(1.078)	1353645	48.0004	9.600
	65 Styrene	104	8.365	8.362	(1.079)	1055922	48.1840	9.637
	66 Bromoform	173	8.543	8.540	(1.102)	110186	42.3478	8.470
	67 Isopropylbenzene	105	8.697	8.706	(1.122)	1652894	50.8589	10.172
	68 1,1,2,2-Tetrachloroethane	83	8.981	8.978	(0.900)	219657	46.7675	9.354
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					
	77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	78 sec-Butylbenzene	105	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93577.D
Report Date: 27-May-2005 20:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.915	9.912	(0.994)	676676	47.8044	9.561
81 1,4-Dichlorobenzene	146	9.998	10.007	(1.002)	687618	47.8564	9.571
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.377	10.374	(1.040)	594794	47.2732	9.455
84 1,2-Dibromo-3-chloropropane	157	11.134	11.143	(1.116)	26535	39.7462	7.949
85 1,2,4-Trichlorobenzene	180	11.974	11.971	(1.200)	292277	42.9418	8.588
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.626	4.635	(0.907)	809335	49.5756	9.915
143 Methyl Acetate	43	3.052	3.049	(0.599)	198018	44.6025	8.920
144 Methylcyclohexane	83	5.584	5.582	(1.095)	626328	49.8143	9.963
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93577.D
Report Date: 27-May-2005 20:28

STL North Canton

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: HCJFM1AC
Level: LOW
Data Type: MS DATA
SpikeList File: plexus-ck.spk
Sublist File: 2-8260.SUB
Method File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\8260MIUX9.m
Misc Info: N50527IC,8260MIUX9,2-8260.SUB,1819,3

Client SDG: SDGa01252
Fraction: VOA

Operator: 1819
SampleType: METHSPIKE
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17 1,1-Dichloroethene	10.000	10.886	108.86	45-155
	42 Trichloroethene	10.000	10.154	101.54	45-155
	59 Chlorobenzene	10.000	9.641	96.41	45-155
	50 Toluene	10.000	9.663	96.63	45-155
	41 Benzene	10.000	10.091	100.91	45-155
	16 Acetone	10.000	6.644	66.44	45-155
	20 Carbon Disulfide	10.000	10.735	107.35	45-155
	9 Chloromethane	10.000	11.020	110.20	45-155
	11 Bromomethane	10.000	11.710	117.10	45-155
	10 Vinyl Chloride	10.000	11.368	113.68	45-155
	12 Chloroethane	10.000	11.227	112.27	45-155
	21 Methylene Chloride	10.000	10.151	101.51	45-155
	28 1,1-Dichloroethane	10.000	10.216	102.16	45-155
M	31 1,2-Dichloroethene	20.000	19.232	96.16	45-155
	35 Chloroform	10.000	10.046	100.46	45-155
	40 1,2-Dichloroethane	10.000	9.789	97.89	45-155
	30 2-Butanone	10.000	7.236	72.36	45-155
	37 1,1,1-Trichloroeth	10.000	10.086	100.86	45-155
	39 Carbon Tetrachlori	10.000	10.256	102.56	45-155
	46 Bromodichlorometha	10.000	9.547	95.47	45-155
	43 1,2-Dichloropropan	10.000	9.869	98.69	45-155
	48 cis-1,3-Dichloropr	10.000	9.725	97.25	45-155
	57 Dibromochlorometha	10.000	9.270	92.71	45-155
	53 1,1,2-Trichloroeth	10.000	9.361	93.61	45-155
	51 trans-1,3-Dichloro	10.000	9.704	97.04	45-155
	66 Bromoform	10.000	8.470	84.70	45-155
	49 4-Methyl-2-pentano	10.000	8.478	84.78	45-155
	56 2-Hexanone	10.000	7.246	72.46	45-155
	55 Tetrachloroethene	10.000	9.869	98.69	45-155
	68 1,1,2,2-Tetrachlor	10.000	9.354	93.54	45-155
	61 Ethylbenzene	10.000	9.667	96.67	45-155
	65 Styrene	10.000	9.637	96.37	45-155
M	63 Xylenes (total)	30.000	29.085	96.95	45-155
	32 cis-1,2-dichloroet	10.000	9.016	90.16	45-155
	25 trans-1,2-Dichloro	10.000	10.216	102.16	45-155
	8 Dichlorodifluorome	10.000	11.612	116.12	45-155
	13 Trichlorofluoromet	10.000	11.114	111.14	45-155
	18 Freon-113	10.000	11.525	115.25	45-155
	24 Methyl tert-butyl	10.000	9.503	95.03	45-155
	58 1,2-Dibromoethane	10.000	9.536	95.36	45-155

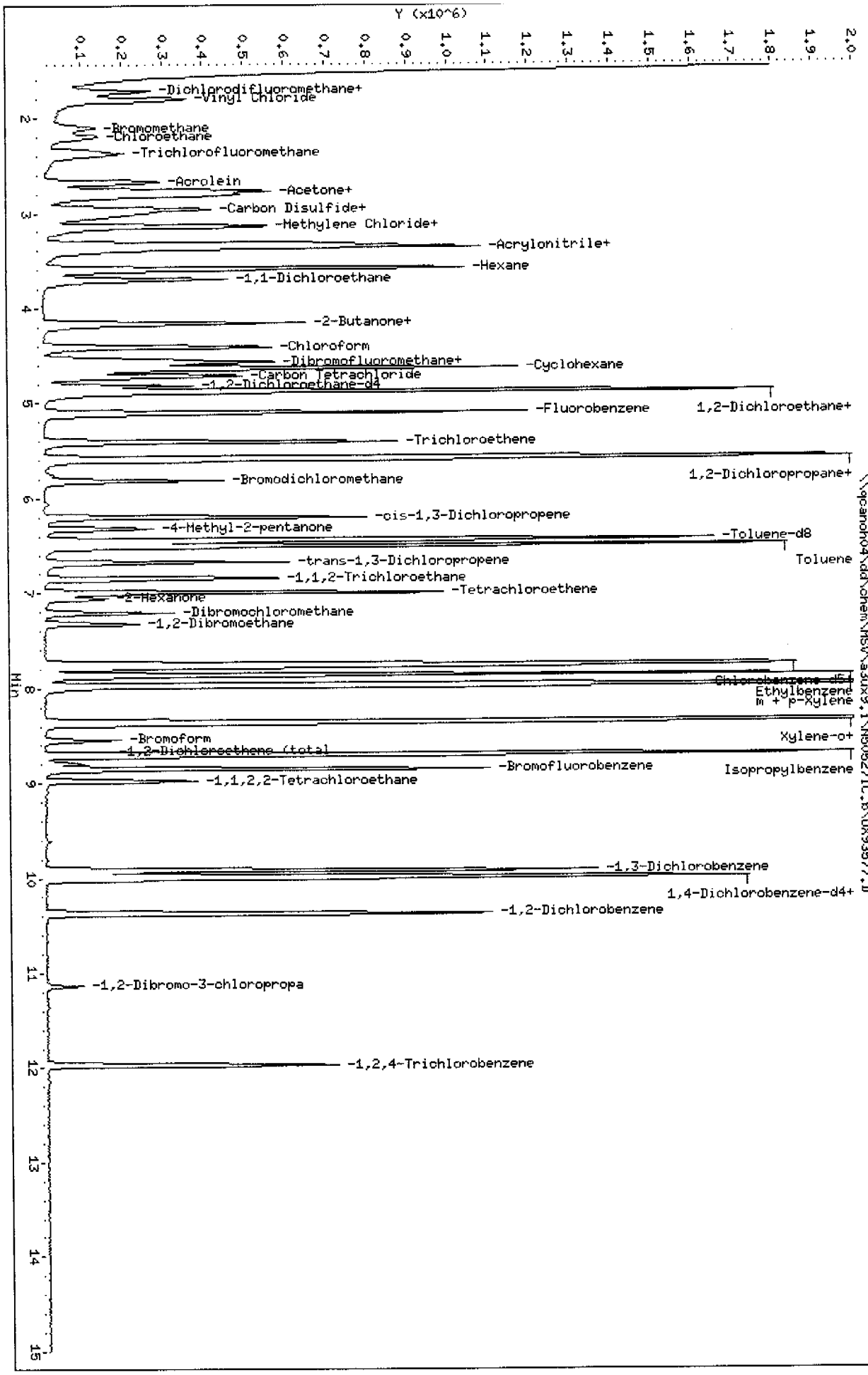
Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93577.D
Report Date: 27-May-2005 20:28

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
67 Isopropylbenzene	10.000	10.172	101.72	45-155
80 1,3-Dichlorobenzen	10.000	9.561	95.61	45-155
81 1,4-Dichlorobenzen	10.000	9.571	95.71	45-155
83 1,2-Dichlorobenzen	10.000	9.455	94.55	45-155
84 1,2-Dibromo-3-chlo	10.000	7.949	79.49	45-155
85 1,2,4-Trichloroben	10.000	8.588	85.88	45-155
98 Cyclohexane	10.000	9.915	99.15	45-155
143 Methyl Acetate	10.000	8.920	89.21	45-155
144 Methylcyclohexane	10.000	9.963	99.63	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	9.854	98.54	73-122
$ 5 1,2-Dichloroethane	10.000	9.998	99.99	61-128
$ 6 Toluene-d8	10.000	9.885	98.85	76-110
$ 7 Bromofluorobenzene	10.000	9.627	96.27	74-116

Data File: \\qcanoh04\dd\chem\HSV\a3ux9.i\N50527IC.b\UX93577.D
Date : 27-MAY-2005 11:59
Client ID:
Sample Info: ICV/CHECK
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18



Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\8260MIUX9.m
Start Cal Date: 25-MAY-2005 17:29
End Cal Date : 27-MAY-2005 11:37
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 2.50000		
25-MAY-2005 23:25	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93517.D
27-MAY-2005 11:37	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93576.D
Cal Level: 2 , Cal Amount: 10.00000		
25-MAY-2005 23:03	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93516.D
27-MAY-2005 11:15	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93575.D
Cal Level: 3 , Cal Amount: 25.00000		
25-MAY-2005 22:41	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93515.D
27-MAY-2005 10:53	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93574.D
Cal Level: 4 , Cal Amount: 50.00000		
25-MAY-2005 22:18	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93514.D
27-MAY-2005 10:31	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93573.D
Cal Level: 5 , Cal Amount: 100.00000		
25-MAY-2005 21:56	3-IX	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93513.D
27-MAY-2005 10:09	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\UX93572.D
Cal Level: 6 , Cal Amount: 250.00000		
25-MAY-2005 21:33	3-IX	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93512.D
27-MAY-2005 09:47	2-8260	

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Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

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+-----------------+-----------------+-----------------------------------------+
|09-JUN-2005 14:27 |2-8260           |                                         |
|\\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93983.D                            |
|09-JUN-2005 15:02 |3-IX             |                                         |
|\\QCANOH04\DD\chem\MSV\a3ux9.i\N50609B.b\UX93984.D                            |
+-----------------+-----------------+-----------------------------------------+
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Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93983.D
Report Date: 10-Jun-2005 11:18

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux9.i Injection Date: 09-JUN-2005 14:27
Lab File ID: UX93983.D Init. Cal. Date(s): 25-MAY-2005 27-MAY-2005
Analysis Type: WATER Init. Cal. Times: 17:29 11:37
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\8260MIUX9.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 4 Dibromofluoromethane	0.20502	0.21495	0.21495	0.010	-4.84717	50.00000	Averaged
$ 5 1,2-Dichloroethane-d4	0.23376	0.23294	0.23294	0.010	0.35142	50.00000	Averaged
$ 6 Toluene-d8	1.36581	1.44363	1.44363	0.010	-5.69765	50.00000	Averaged
$ 7 Bromofluorobenzene	0.52544	0.53094	0.53094	0.010	-1.04648	50.00000	Averaged
8 Dichlorodifluoromethane	0.17219	0.14925	0.14925	0.010	13.32221	50.00000	Averaged
9 Chloromethane	0.37727	0.34775	0.34775	0.100	7.82548	50.00000	Averaged
10 Vinyl Chloride	0.29282	0.31148	0.31148	0.010	-6.37122	20.00000	Averaged
11 Bromomethane	0.10669	0.11926	0.11926	0.010	-11.78739	50.00000	Averaged
12 Chloroethane	0.14430	0.16562	0.16562	0.010	-14.77529	50.00000	Averaged
13 Trichlorofluoromethane	0.24337	0.26253	0.26253	0.010	-7.87173	50.00000	Averaged
15 Acrolein	0.02921	0.03278	0.03278	0.010	-12.24708	50.00000	Averaged
16 Acetone	100	120	0.10590	0.010	-20.16292	0.000e+000	Wt Linear
17 1,1-Dichloroethene	0.38880	0.42060	0.42060	0.010	-8.17897	20.00000	Averaged
18 Freon-113	0.17046	0.20406	0.20406	0.010	-19.70853	50.00000	Averaged
19 Iodomethane	0.33139	0.35967	0.35967	0.010	-8.53317	50.00000	Averaged
20 Carbon Disulfide	0.77162	0.85140	0.85140	0.010	-10.34013	50.00000	Averaged
21 Methylene Chloride	50.00000	49.84365	0.26680	0.010	0.31270	0.000e+000	Wt Linear
22 Acetonitrile	0.02994	0.02709	0.02709	0.010	9.49460	50.00000	Averaged
23 Acrylonitrile	0.07786	0.08283	0.08283	0.010	-6.37979	50.00000	Averaged
24 Methyl tert-butyl ether	0.31125	0.45801	0.45801	0.010	-47.15319	50.00000	Averaged
25 trans-1,2-Dichloroethene	0.41354	0.45536	0.45536	0.010	-10.11368	50.00000	Averaged
26 Hexane	0.48136	0.52610	0.52610	0.010	-9.29502	20.00000	Averaged
27 Vinyl acetate	0.48285	0.54871	0.54871	0.010	-13.64029	50.00000	Averaged
28 1,1-Dichloroethane	0.49393	0.53426	0.53426	0.100	-8.16527	50.00000	Averaged
29 tert-Butyl Alcohol	0.00907	0.01081	0.01081	0.010	-19.26177	50.00000	Averaged <-
30 2-Butanone	0.12006	0.12601	0.12601	0.010	-4.95870	50.00000	Averaged
M 31 1,2-Dichloroethene (total)	0.42750	0.46546	0.46546	0.010	-8.88013	50.00000	Averaged
32 cis-1,2-dichloroethene	0.44145	0.47555	0.47555	0.010	-7.72456	50.00000	Averaged
33 2,2-Dichloropropane	0.26183	0.29182	0.29182	0.010	-11.45496	50.00000	Averaged
34 Bromochloromethane	0.10868	0.11968	0.11968	0.010	-10.12685	50.00000	Averaged
35 Chloroform	0.38648	0.41516	0.41516	0.010	-7.42336	20.00000	Averaged
36 Tetrahydrofuran	50.00000	45.10108	0.06021	0.010	9.79784	0.000e+000	Wt Linear
37 1,1,1-Trichloroethane	0.32138	0.33150	0.33150	0.010	-3.14645	50.00000	Averaged
38 1,1-Dichloropropene	0.32769	0.35078	0.35078	0.010	-7.04475	50.00000	Averaged
39 Carbon Tetrachloride	0.26357	0.25407	0.25407	0.010	3.60247	50.00000	Averaged
40 1,2-Dichloroethane	0.32013	0.32231	0.32231	0.010	-0.68069	50.00000	Averaged
41 Benzene	1.11200	1.22043	1.22043	0.010	-9.75099	50.00000	Averaged
42 Trichloroethene	0.27258	0.30228	0.30228	0.010	-10.89510	50.00000	Averaged
43 1,2-Dichloropropane	0.30213	0.33041	0.33041	0.010	-9.36001	20.00000	Averaged
44 1,4-Dioxane	0.00149	0.00134	0.00134	0.010	10.07053	50.00000	Averaged <-
45 Dibromomethane	0.10374	0.10833	0.10833	0.010	-4.42084	50.00000	Averaged
46 Bromodichloromethane	0.27762	0.28415	0.28415	0.010	-2.35315	50.00000	Averaged
48 cis-1,3-Dichloropropene	0.37686	0.36623	0.36623	0.010	2.82229	50.00000	Averaged

|_____|_____|_____|_____|____|_____|_____|_____|

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93983.D
Report Date: 10-Jun-2005 11:18

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux9.i Injection Date: 09-JUN-2005 14:27
Lab File ID: UX93983.D Init. Cal. Date(s): 25-MAY-2005 27-MAY-2005
Analysis Type: WATER Init. Cal. Times: 17:29 11:37
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\8260MIUX9.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
49 4-Methyl-2-pentanone	0.21984	0.22034	0.22034	0.010	-0.22677	50.00000	Averaged
50 Toluene	1.67605	1.70163	1.70163	0.010	-1.52603	20.00000	Averaged
51 trans-1,3-Dichloropropene	0.38716	0.35989	0.35989	0.010	7.04401	50.00000	Averaged
52 Ethyl Methacrylate	0.32751	0.28936	0.28936	0.010	11.64896	50.00000	Averaged
53 1,1,2-Trichloroethane	0.25350	0.24049	0.24049	0.010	5.13053	50.00000	Averaged
54 1,3-Dichloropropane	0.45745	0.43968	0.43968	0.010	3.88416	50.00000	Averaged
55 Tetrachloroethene	0.30182	0.31542	0.31542	0.010	-4.50366	50.00000	Averaged
56 2-Hexanone	0.22378	0.23423	0.23423	0.010	-4.67089	50.00000	Averaged
57 Dibromochloromethane	0.23581	0.21965	0.21965	0.010	6.84974	50.00000	Averaged
58 1,2-Dibromoethane	0.22614	0.20990	0.20990	0.010	7.18430	50.00000	Averaged
59 Chlorobenzene	1.09408	1.12049	1.12049	0.300	-2.41326	50.00000	Averaged
60 1,1,1,2-Tetrachloroethane	0.31516	0.31142	0.31142	0.010	1.18556	50.00000	Averaged
61 Ethylbenzene	1.89616	1.93844	1.93844	0.010	-2.22938	20.00000	Averaged
62 m + p-Xylene	1.47777	1.50439	1.50439	0.010	-1.80123	50.00000	Averaged
M 63 Xylenes (total)	1.48480	1.50853	1.50853	0.010	-1.59799	50.00000	Averaged
64 Xylene-o	1.49885	1.51679	1.51679	0.010	-1.19721	50.00000	Averaged
65 Styrene	1.16473	1.22258	1.22258	0.010	-4.96665	50.00000	Averaged
66 Bromoform	50.00000	40.42798	0.11128	0.100	19.14404	0.000e+000	Wt Linear
67 Isopropylbenzene	1.72733	1.73036	1.73036	0.010	-0.17534	50.00000	Averaged
68 1,1,2,2-Tetrachloroethane	0.58679	0.53437	0.53437	0.300	8.93355	50.00000	Averaged
69 1,4-Dichloro-2-butene	0.13416	0.17363	0.17363	0.010	-29.41969	50.00000	Averaged
70 1,2,3-Trichloropropane	0.18236	0.16140	0.16140	0.010	11.49312	50.00000	Averaged
71 Bromobenzene	0.91446	0.90523	0.90523	0.010	1.00933	50.00000	Averaged
72 n-Propylbenzene	4.75363	4.84481	4.84481	0.010	-1.91796	50.00000	Averaged
73 2-Chlorotoluene	0.98486	0.98996	0.98996	0.010	-0.51771	50.00000	Averaged
74 1,3,5-Trimethylbenzene	3.25746	3.25111	3.25111	0.010	0.19482	50.00000	Averaged
75 4-Chlorotoluene	0.98262	1.02856	1.02856	0.010	-4.67604	50.00000	Averaged
76 tert-Butylbenzene	2.97580	2.87603	2.87603	0.010	3.35249	50.00000	Averaged
77 1,2,4-Trimethylbenzene	3.29687	3.25647	3.25647	0.010	1.22559	50.00000	Averaged
78 sec-Butylbenzene	4.20909	4.12844	4.12844	0.010	1.91599	50.00000	Averaged
79 4-Isopropyltoluene	3.38074	3.28146	3.28146	0.010	2.93688	50.00000	Averaged
80 1,3-Dichlorobenzene	1.76845	1.77995	1.77995	0.010	-0.64981	50.00000	Averaged
81 1,4-Dichlorobenzene	1.79510	1.78245	1.78245	0.010	0.70444	50.00000	Averaged
82 n-Butylbenzene	2.86960	2.85087	2.85087	0.010	0.65274	50.00000	Averaged
83 1,2-Dichlorobenzene	1.57193	1.53455	1.53455	0.010	2.37774	50.00000	Averaged
84 1,2-Dibromo-3-chloropropane	50.00000	32.69272	0.05392	0.010	34.61456	0.000e+000	Wt Linear
85 1,2,4-Trichlorobenzene	0.85034	0.70936	0.70936	0.010	16.57972	50.00000	Averaged
86 Hexachlorobutadiene	0.44382	0.36466	0.36466	0.010	17.83528	50.00000	Averaged
87 Naphthalene	50.00000	31.25137	0.90101	0.010	37.49725	0.000e+000	Wt Linear
88 1,2,3-Trichlorobenzene	0.64524	0.42270	0.42270	0.010	34.48993	50.00000	Averaged
98 Cyclohexane	0.64608	0.71730	0.71730	0.010	-11.02293	50.00000	Averaged
143 Methyl Acetate	0.17570	0.16147	0.16147	0.010	8.10139	50.00000	Averaged
144 Methylcyclohexane	0.49760	0.53207	0.53207	0.010	-6.92769	50.00000	Averaged

|_____|_____|_____|_____|____|_____|_____|_____|

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93983.D
Report Date: 10-Jun-2005 11:18

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux9.i Injection Date: 09-JUN-2005 14:27
Lab File ID: UX93983.D Init. Cal. Date(s): 25-MAY-2005 27-MAY-2005
Analysis Type: WATER Init. Cal. Times: 17:29 11:37
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\8260MIUX9.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
141 1,3,5-Trichlorobenzene	1.14696	1.10620	1.10620	0.010	3.55367	50.00000	Averaged

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93983.D
Report Date: 10-Jun-2005 11:18

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93983.D
Lab Smp Id: 50NG-CC
Inj Date : 09-JUN-2005 14:27
Operator : 1754 Inst ID: a3ux9.i
Smp Info : 50NG-CC
Misc Info : N50609B,8260MIUX9,2-8260.SUB,1754,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\8260MIUX9.m
Meth Date : 10-Jun-2005 11:18 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	582253	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	457558	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	208089	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	125158	50.0000	52.424
$ 5 1,2-Dichloroethane-d4	65	4.825	4.825	(0.947)	135628	50.0000	49.824
$ 6 Toluene-d8	98	6.446	6.446	(0.832)	660543	50.0000	52.849
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	242935	50.0000	50.523
8 Dichlorodifluoromethane	85	1.595	1.595	(0.313)	86901	50.0000	43.339
9 Chloromethane	50	1.713	1.713	(0.336)	202479	50.0000	46.087
10 Vinyl Chloride	62	1.808	1.808	(0.355)	181359	50.0000	53.186
11 Bromomethane	94	2.103	2.103	(0.413)	69440	50.0000	55.894
12 Chloroethane	64	2.186	2.186	(0.429)	96435	50.0000	57.388
13 Trichlorofluoromethane	101	2.376	2.376	(0.466)	152859	50.0000	53.936
15 Acrolein	56	2.671	2.671	(0.524)	190874	500.000	561.24(A)
16 Acetone	43	2.790	2.790	(0.547)	123318	100.000	120.16
17 1,1-Dichloroethene	61	2.766	2.766	(0.543)	244896	50.0000	54.089
18 Freon-113	151	2.813	2.813	(0.552)	118815	50.0000	59.854
19 Iodomethane	142	2.896	2.896	(0.568)	209420	50.0000	54.266
20 Carbon Disulfide	76	2.955	2.955	(0.580)	495733	50.0000	55.170

21 Methylene Chloride	84	3.145	3.145 (0.617)	155347	50.0000	49.844
22 Acetonitrile	41	3.015	3.015 (0.591)	157759	500.000	452.53(A)
23 Acrylonitrile	53	3.322	3.322 (0.652)	482287	500.000	531.90(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93983.D
Report Date: 10-Jun-2005 11:18

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.358	3.358	(0.659)	266680	50.0000	73.576
25 trans-1,2-Dichloroethene	61	3.370	3.370	(0.661)	265137	50.0000	55.057
26 Hexane	57	3.583	3.583	(0.703)	306326	50.0000	54.648
27 Vinyl acetate	43	3.725	3.725	(0.731)	319488	50.0000	56.820
28 1,1-Dichloroethane	63	3.701	3.701	(0.726)	311074	50.0000	54.083
29 tert-Butyl Alcohol	59	3.204	3.204	(0.629)	125927	1000.00	1192.6(A)
30 2-Butanone	43	4.162	4.162	(0.817)	146738	100.000	104.96
32 cis-1,2-dichloroethene	61	4.162	4.162	(0.817)	276891	50.0000	53.862
33 2,2-Dichloropropane	77	4.162	4.162	(0.817)	169912	50.0000	55.727
34 Bromochloromethane	128	4.352	4.352	(0.854)	69686	50.0000	55.063
35 Chloroform	83	4.411	4.411	(0.865)	241731	50.0000	53.712
36 Tetrahydrofuran	42	4.399	4.399	(0.863)	35060	50.0000	45.101
37 1,1,1-Trichloroethane	97	4.576	4.576	(0.898)	193014	50.0000	51.573
38 1,1-Dichloropropene	75	4.707	4.707	(0.923)	204241	50.0000	53.522
39 Carbon Tetrachloride	117	4.718	4.718	(0.926)	147934	50.0000	48.199
40 1,2-Dichloroethane	62	4.884	4.884	(0.958)	187667	50.0000	50.340
41 Benzene	78	4.884	4.884	(0.958)	710597	50.0000	54.875
42 Trichloroethene	130	5.405	5.405	(1.060)	176004	50.0000	55.448
43 1,2-Dichloropropane	63	5.594	5.594	(1.097)	192382	50.0000	54.680
44 1,4-Dioxane	88	5.701	5.701	(1.118)	39133	2500.00	2248.2(A)
45 Dibromomethane	93	5.689	5.689	(1.116)	63073	50.0000	52.210
46 Bromodichloromethane	83	5.819	5.819	(1.142)	165446	50.0000	51.176
48 cis-1,3-Dichloropropene	75	6.198	6.198	(1.216)	213236	50.0000	48.589
49 4-Methyl-2-pentanone	43	6.316	6.316	(1.239)	256591	100.000	100.23
50 Toluene	91	6.505	6.505	(0.840)	778595	50.0000	50.763
51 trans-1,3-Dichloropropene	75	6.683	6.683	(0.863)	164671	50.0000	46.478
52 Ethyl Methacrylate	69	6.742	6.742	(0.870)	132397	50.0000	44.176
53 1,1,2-Trichloroethane	97	6.848	6.848	(0.884)	110040	50.0000	47.435
54 1,3-Dichloropropane	76	7.002	7.002	(0.904)	201178	50.0000	48.058
55 Tetrachloroethene	164	7.002	7.002	(0.904)	144322	50.0000	52.252
56 2-Hexanone	43	7.061	7.061	(0.911)	214351	100.000	104.67
57 Dibromochloromethane	129	7.215	7.215	(0.931)	100504	50.0000	46.575
58 1,2-Dibromoethane	107	7.322	7.322	(0.945)	96040	50.0000	46.408
59 Chlorobenzene	112	7.771	7.771	(1.003)	512687	50.0000	51.207
60 1,1,1,2-Tetrachloroethane	131	7.842	7.842	(1.012)	142494	50.0000	49.407
61 Ethylbenzene	91	7.866	7.866	(1.015)	886947	50.0000	51.115
62 m + p-Xylene	91	7.973	7.973	(1.029)	1376694	100.000	101.80
64 Xylene-o	91	8.351	8.351	(1.078)	694020	50.0000	50.599
65 Styrene	104	8.363	8.363	(1.079)	559401	50.0000	52.483
66 Bromoform	173	8.552	8.552	(1.104)	50919	50.0000	40.428
67 Isopropylbenzene	105	8.706	8.706	(1.124)	791740	50.0000	50.088
68 1,1,2,2-Tetrachloroethane	83	8.978	8.978	(0.899)	111196	50.0000	45.533
69 1,4-Dichloro-2-butene	53	9.026	9.026	(0.904)	36131	50.0000	64.710
70 1,2,3-Trichloropropane	110	9.026	9.026	(0.904)	33586	50.0000	44.253
71 Bromobenzene	156	9.002	9.002	(0.902)	188368	50.0000	49.495
72 n-Propylbenzene	91	9.097	9.097	(0.911)	1008151	50.0000	50.959
73 2-Chlorotoluene	126	9.191	9.191	(0.921)	205999	50.0000	50.259
74 1,3,5-Trimethylbenzene	105	9.262	9.262	(0.928)	676520	50.0000	49.902
75 4-Chlorotoluene	126	9.298	9.298	(0.931)	214033	50.0000	52.338
76 tert-Butylbenzene	119	9.594	9.594	(0.961)	598471	50.0000	48.324
77 1,2,4-Trimethylbenzene	105	9.629	9.629	(0.964)	677635	50.0000	49.387
78 sec-Butylbenzene	105	9.807	9.807	(0.982)	859083	50.0000	49.042

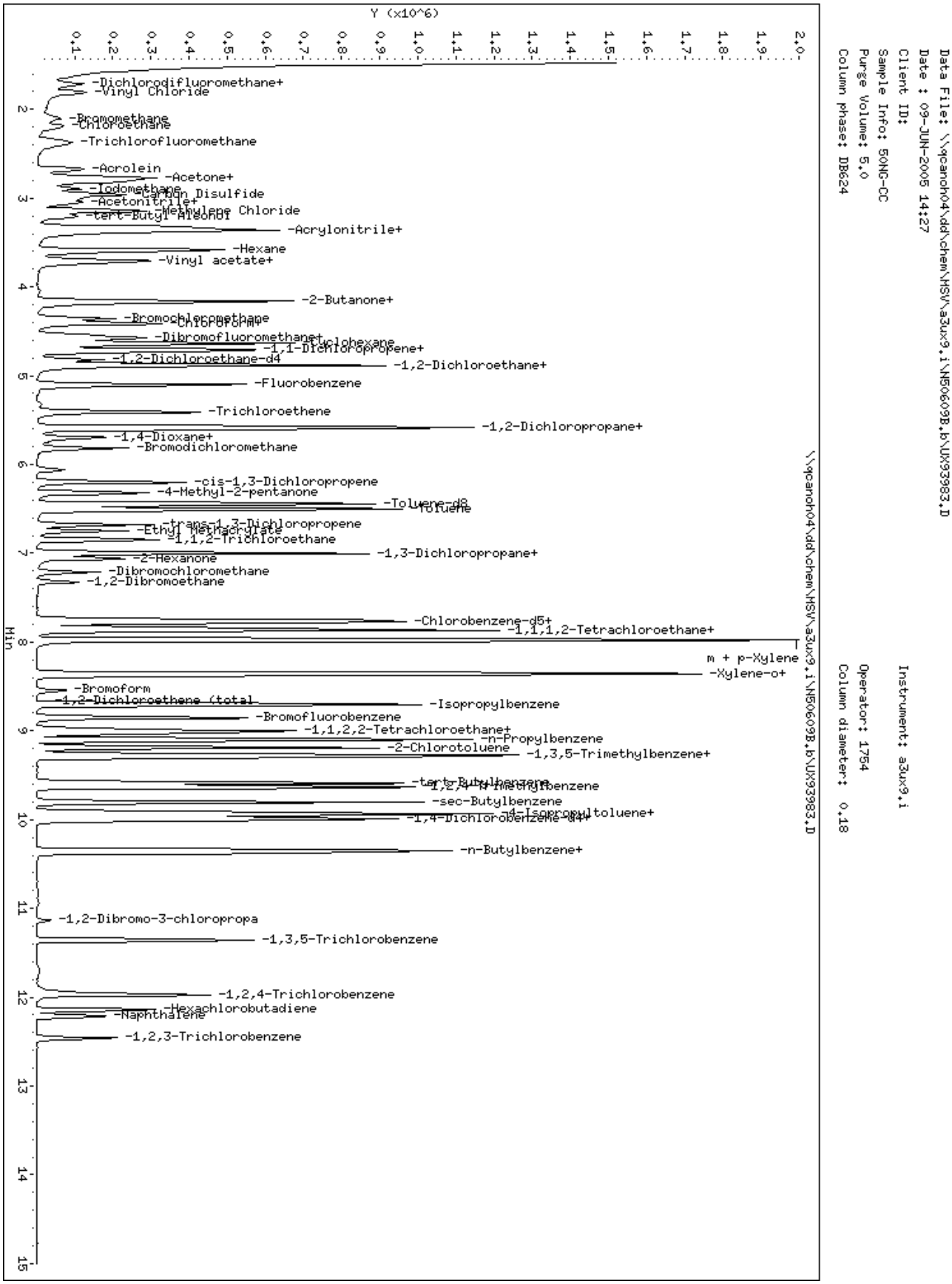
79	4-Isopropyltoluene	119	9.949	9.949 (0.996)	682835	50.0000	48.532
80	1,3-Dichlorobenzene	146	9.925	9.925 (0.994)	370387	50.0000	50.325

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93983.D
Report Date: 10-Jun-2005 11:18

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
81 1,4-Dichlorobenzene	146	10.008	10.008	(1.002)	370909	50.0000	49.648
82 n-Butylbenzene	91	10.351	10.351	(1.037)	593234	50.0000	49.674
83 1,2-Dichlorobenzene	146	10.375	10.375	(1.039)	319323	50.0000	48.811
84 1,2-Dibromo-3-chloropropane	157	11.144	11.144	(1.116)	11220	50.0000	32.693
85 1,2,4-Trichlorobenzene	180	11.972	11.972	(1.199)	147610	50.0000	41.710
86 Hexachlorobutadiene	225	12.149	12.149	(1.217)	75882	50.0000	41.082
87 Naphthalene	128	12.220	12.220	(1.224)	187491	50.0000	31.251
88 1,2,3-Trichlorobenzene	180	12.457	12.457	(1.248)	87959	50.0000	32.755
98 Cyclohexane	56	4.636	4.636	(0.909)	417651	50.0000	55.511
143 Methyl Acetate	43	3.050	3.050	(0.598)	188029	100.000	91.899
144 Methylcyclohexane	83	5.582	5.582	(1.095)	309798	50.0000	53.464
141 1,3,5-Trichlorobenzene	180	11.357	11.357	(1.137)	230189	50.0000	48.223

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93983.D
Date : 09-JUN-2005 14:27
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide
-Acetonitrile+
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Xylene-o+
-Bromoform
-1,2-Dichloroethene (total
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-4-Isopropyltoluene+
-1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93983.D

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
Start Cal Date: 28-APR-2005 11:41
End Cal Date : 12-MAY-2005 13:11
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.00000		
29-APR-2005 02:18	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50428B-IC.b\UXX7608.D
12-MAY-2005 11:06	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8023.D
Cal Level: 2 , Cal Amount: 10.00000		
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12-MAY-2005 11:31	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8024.D
Cal Level: 3 , Cal Amount: 25.00000		
29-APR-2005 01:28	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50428B-IC.b\UXX7606.D
12-MAY-2005 11:56	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8025.D
Cal Level: 4 , Cal Amount: 50.00000		
29-APR-2005 01:03	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50428B-IC.b\UXX7605.D
12-MAY-2005 12:21	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8026.D
Cal Level: 5 , Cal Amount: 100.00000		
29-APR-2005 00:38	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50428B-IC.b\UXX7604.D
12-MAY-2005 12:46	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8027.D
Cal Level: 6 , Cal Amount: 200.00000		
29-APR-2005 00:13	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50428B-IC.b\UXX7603.D
12-MAY-2005 13:11	2-8260	

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+-----------------+-----------------+-------------------------------------+


Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4
+-----------------+-----------------+-------------------------------------+
|12-MAY-2005 12:21 |2-8260           |                                     |
|\\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8026.D                    |
|12-MAY-2005 14:26 |7-IX+            |                                     |
|\\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8031.D                    |
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Report Date : 12-May-2005 14:16

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 28-APR-2005 11:41
End Cal Date : 12-MAY-2005 13:11
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
Last Edit : 12-May-2005 14:14 a3ux10.i
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50428B-IC.b\UXX7608.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50428B-IC.b\UXX7607.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50428B-IC.b\UXX7606.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50428B-IC.b\UXX7605.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50428B-IC.b\UXX7604.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50428B-IC.b\UXX7603.D

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD
	8 Dichlorodifluoromethane	0.17129	0.13670	0.16815	0.12018	0.14535	0.13608	0.14629	13.610
	9 Chloromethane	0.27234	0.26578	0.29449	0.28068	0.30675	0.28247	0.28375	5.247
	10 Vinyl Chloride	0.24119	0.24793	0.28364	0.23960	0.26056	0.24886	0.25363	6.491
	11 Bromomethane	0.13651	0.13453	0.14736	0.15032	0.13240	0.09962	0.13346	13.545
	12 Chloroethane	0.16543	0.15154	0.17749	0.16011	0.16329	0.14886	0.16112	6.417
	13 Trichlorofluoromethane	0.32991	0.32095	0.36653	0.27328	0.32139	0.29309	0.31752	10.093
	14 Dichlorofluoromethane	0.44054	0.43259	0.44273	0.42491	0.42678	0.43705	0.43410	1.677
	15 Acrolein	0.03005	0.02842	0.03000	0.02822	0.02895	0.02797	0.02894	3.122
	16 Acetone	0.23007	0.15167	0.10252	0.09186	0.08307	0.07192	0.12185	49.064
	17 1,1-Dichloroethene	0.17096	0.18544	0.17411	0.17322	0.17772	0.17127	0.17546	3.116
	18 Freon-113	0.13878	0.14877	0.13694	0.13398	0.13356	0.12162	0.13561	6.492
	19 Iodomethane	0.07520	0.09388	0.10804	0.11870	0.13366	0.14444	0.11232	22.749
	20 Carbon Disulfide	0.60316	0.59794	0.58287	0.59613	0.59414	0.57794	0.59203	1.625
	21 Methylene Chloride	0.48441	0.36665	0.29242	0.26362	0.24731	0.23253	0.31449	30.466
	22 Acetonitrile	0.03676	0.03409	0.03254	0.03135	0.03087	0.02961	0.03254	7.899
	23 Acrylonitrile	0.08444	0.08853	0.08877	0.08676	0.08948	0.08758	0.08759	2.072
	24 Methyl tert-butyl ether	0.41418	0.43994	0.45829	0.48365	0.49687	0.50566	0.46643	7.586
	25 trans-1,2-Dichloroethene	0.20711	0.21595	0.21549	0.22572	0.22193	0.21665	0.21714	2.925
	26 Hexane	0.04112	0.03850	0.03682	0.03689	0.04186	0.04011	0.03922	5.479
	27 Vinyl acetate	0.32093	0.31893	0.33378	0.33690	0.36734	0.38008	0.34299	7.325
	28 1,1-Dichloroethane	0.40179	0.39319	0.39811	0.39847	0.39774	0.38963	0.39649	1.094
	29 tert-Butyl Alcohol	0.01746	0.01473	0.01546	0.01564	0.01721	0.01803	0.01642	8.032
	30 2-Butanone	0.13655	0.12976	0.11726	0.11777	0.11882	0.11295	0.12218	7.356
M	31 1,2-Dichloroethene (total)	0.21313	0.21422	0.22107	0.23154	0.22982	0.22492	0.22245	3.479
	32 cis-1,2-dichloroethene	0.21916	0.21250	0.22664	0.23736	0.23770	0.23320	0.22776	4.515
	33 2,2-Dichloropropane	0.23336	0.24764	0.23662	0.25439	0.25655	0.25476	0.24722	4.045
	34 Bromochloromethane	0.12157	0.12748	0.11895	0.12003	0.12004	0.12034	0.12140	2.547
	35 Chloroform	0.39274	0.39478	0.39369	0.38752	0.37572	0.36516	0.38493	3.111

Report Date : 12-May-2005 14:16

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 28-APR-2005 11:41
End Cal Date : 12-MAY-2005 13:11
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
Last Edit : 12-May-2005 14:14 a3ux10.i
Curve Type : Average

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	___ RRF	% RSD	
	36 Tetrahydrofuran	0.08264	0.07138	0.06151	0.06244	0.06357	0.06527	0.06780	11.906	
	37 1,1,1-Trichloroethane	0.27845	0.27792	0.29694	0.29767	0.29674	0.29129	0.28984	3.212	
	38 1,1-Dichloropropene	0.24214	0.22374	0.23511	0.24931	0.25885	0.25273	0.24365	5.249	
	39 Carbon Tetrachloride	0.24758	0.24835	0.25280	0.25500	0.25458	0.24697	0.25088	1.459	
	40 1,2-Dichloroethane	0.32486	0.33125	0.32279	0.31735	0.30877	0.30007	0.31751	3.595	
	41 Benzene	0.84409	0.87947	0.88802	0.90744	0.88985	0.88023	0.88152	2.374	
	42 Trichloroethene	0.23455	0.24100	0.21414	0.22035	0.23075	0.23141	0.22870	4.279	
	43 1,2-Dichloropropane	0.21055	0.22627	0.22908	0.23749	0.22852	0.22705	0.22649	3.881	
	44 1,4-Dioxane	0.00163	0.00130	0.00164	0.00173	0.00197	0.00206	0.00172	15.807	<-
	45 Dibromomethane	0.12525	0.12392	0.13555	0.12783	0.12771	0.12392	0.12736	3.431	
	46 Bromodichloromethane	0.24113	0.26924	0.27379	0.27997	0.27374	0.26917	0.26784	5.104	
	47 2-Chloroethyl vinyl ether	0.08446	0.07904	0.09491	0.11111	0.12491	0.12907	0.10392	20.202	
	48 cis-1,3-Dichloropropene	0.24084	0.25923	0.28149	0.30395	0.31906	0.32656	0.28852	11.803	
	49 4-Methyl-2-pentanone	0.16919	0.17631	0.19382	0.21011	0.22257	0.22528	0.19954	11.856	
	50 Toluene	1.02984	1.11865	1.26402	1.32369	1.31242	1.26869	1.21955	9.704	
	51 trans-1,3-Dichloropropene	0.27718	0.29130	0.31508	0.34313	0.35111	0.35843	0.32271	10.387	
	52 Ethyl Methacrylate	0.23834	0.22918	0.27894	0.31905	0.34550	0.35435	0.29423	18.270	
	53 1,1,2-Trichloroethane	0.24603	0.24315	0.25552	0.25423	0.24105	0.22993	0.24499	3.843	
	54 1,3-Dichloropropane	0.38490	0.42330	0.43425	0.42697	0.42474	0.41174	0.41765	4.219	
	55 Tetrachloroethene	0.24071	0.24362	0.24709	0.25370	0.24271	0.23667	0.24408	2.389	
	56 2-Hexanone	0.17294	0.15732	0.17047	0.18825	0.19660	0.19588	0.18024	8.773	
	57 Dibromochloromethane	0.24839	0.25462	0.26118	0.25645	0.25889	0.25313	0.25544	1.765	
	58 1,2-Dibromoethane	0.22119	0.21767	0.23280	0.23630	0.23086	0.23083	0.22827	3.163	
	59 Chlorobenzene	0.82656	0.85557	0.88427	0.87580	0.87467	0.85616	0.86217	2.421	
	60 1,1,1,2-Tetrachloroethane	0.28419	0.28525	0.30163	0.30098	0.28696	0.27789	0.28948	3.337	
	61 Ethylbenzene	0.35667	0.36421	0.40671	0.44973	0.46169	0.45231	0.41522	11.208	
	62 m + p-Xylene	0.39808	0.44902	0.52581	0.57024	0.57571	0.56310	0.51366	14.354	
M	63 Xylenes (total)	0.38566	0.43337	0.50813	0.55825	0.56711	0.55840	0.50182	15.142	
	64 Xylene-o	0.36081	0.40206	0.47279	0.53427	0.54991	0.54901	0.47814	16.967	
	65 Styrene	0.58339	0.67228	0.82345	0.92762	0.94438	0.95023	0.81689	19.104	
	66 Bromoform	0.14950	0.16274	0.16054	0.16925	0.17533	0.17452	0.16531	5.929	
	67 Isopropylbenzene	0.79006	0.83781	0.97844	1.14134	1.23603	1.24750	1.03853	19.204	
	68 1,1,2,2-Tetrachloroethane	0.59802	0.55503	0.54783	0.55679	0.55614	0.53571	0.55826	3.770	
	69 1,4-Dichloro-2-butene	0.16223	0.14065	0.14870	0.16540	0.17684	0.17374	0.16126	8.767	
	70 1,2,3-Trichloropropane	0.19313	0.18030	0.18780	0.18873	0.18590	0.18168	0.18626	2.544	
	71 Bromobenzene	0.55532	0.57717	0.58009	0.63443	0.65611	0.63997	0.60718	6.805	

Report Date : 12-May-2005 14:16

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 28-APR-2005 11:41
End Cal Date : 12-MAY-2005 13:11
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
Last Edit : 12-May-2005 14:14 a3ux10.i
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
72 n-Propylbenzene	0.45175	0.48559	0.55023	0.63997	0.67992	0.66215	0.57827	16.687	
73 2-Chlorotoluene	0.48109	0.50974	0.55691	0.59916	0.63346	0.61394	0.56572	10.725	
74 1,3,5-Trimethylbenzene	1.20869	1.41152	1.68809	1.91828	1.99056	1.93533	1.69208	18.908	
75 4-Chlorotoluene	0.47099	0.59484	0.62573	0.65450	0.67083	0.63832	0.60920	11.900	
76 tert-Butylbenzene	1.02639	1.12946	1.28611	1.54273	1.86129	1.87852	1.45408	25.181	
77 1,2,4-Trimethylbenzene	1.08013	1.40269	1.63580	1.92115	1.95700	1.93187	1.65477	21.505	
78 sec-Butylbenzene	1.52099	1.62229	1.85484	2.13031	2.33348	2.28360	1.95759	17.563	
79 4-Isopropyltoluene	1.15128	1.31262	1.55957	1.79319	1.93650	1.92508	1.61304	20.388	
80 1,3-Dichlorobenzene	1.17302	1.16366	1.17434	1.20130	1.24448	1.21289	1.19495	2.566	
81 1,4-Dichlorobenzene	1.40292	1.36062	1.27525	1.27630	1.27617	1.23249	1.30396	4.907	
82 n-Butylbenzene	1.01173	1.08210	1.11578	1.36865	1.50836	1.53856	1.27086	18.097	
83 1,2-Dichlorobenzene	1.07739	1.15075	1.15675	1.20538	1.21918	1.16366	1.16219	4.296	
84 1,2-Dibromo-3-chloropropane	0.09834	0.07608	0.07547	0.08521	0.09122	0.09887	0.08753	11.883	
85 1,2,4-Trichlorobenzene	0.46422	0.44403	0.45598	0.53537	0.60754	0.65345	0.52676	16.640	
86 Hexachlorobutadiene	0.27291	0.23263	0.22331	0.25617	0.27073	0.26018	0.25266	8.050	
87 Naphthalene	0.59666	0.58724	0.63920	0.87105	1.06559	1.19281	0.82543	31.521	
88 1,2,3-Trichlorobenzene	0.37627	0.41335	0.43597	0.52501	0.56721	0.58752	0.48422	18.057	
89 Ethyl Ether	0.18760	0.17801	0.18718	0.18347	0.17998	0.19080	0.18451	2.656	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
91 3-Chloropropene	0.10929	0.10883	0.11696	0.11964	0.11709	0.12713	0.11649	5.876	
92 Isopropyl Ether	0.15376	0.16026	0.18307	0.18900	0.18793	0.20250	0.17942	10.383	
93 2-Chloro-1,3-butadiene	0.22990	0.22826	0.24906	0.24133	0.23043	0.25524	0.23904	4.740	
94 Propionitrile	0.02641	0.02757	0.02546	0.02633	0.02776	0.02705	0.02676	3.229	
95 Ethyl Acetate	0.15352	0.16336	0.15166	0.15318	0.15751	0.16512	0.15739	3.606	
96 Methacrylonitrile	0.08481	0.09047	0.09081	0.09879	0.09440	0.10119	0.09341	6.419	
97 Isobutanol	0.00824	0.00774	0.00810	0.00763	0.00755	0.00807	0.00789	3.609	<-
98 Cyclohexane	0.29317	0.26092	0.27467	0.29874	0.33169	0.32829	0.29791	9.489	
99 n-Butanol	0.00548	0.00601	0.00541	0.00560	0.00624	0.00659	0.00589	8.011	<-
100 Methyl Methacrylate	0.10442	0.09838	0.11410	0.12261	0.13267	0.14240	0.11910	14.096	
101 2-Nitropropane	0.03085	0.02986	0.03127	0.03130	0.03517	0.03791	0.03273	9.541	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
103 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

Report Date : 12-May-2005 14:16

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 28-APR-2005 11:41
End Cal Date : 12-MAY-2005 13:11
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
Last Edit : 12-May-2005 14:14 a3ux10.i
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	___ RRF	% RSD	
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
M 137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
141 1,3,5-Trichlorobenzene	0.68745	0.67210	0.64390	0.71354	0.76064	0.76790	0.70759	6.983	
143 Methyl Acetate	0.20146	0.19664	0.18835	0.18235	0.17779	0.17080	0.18623	6.212	
144 Methylcyclohexane	0.25722	0.23209	0.24227	0.25755	0.29228	0.28882	0.26170	9.301	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
146 2-Methylnaphthalene	0.42913	0.30957	0.23906	0.54011	0.68133	0.58849	0.46461	36.549	
147 Tetrahydrothiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
148 1,4-Dichlorobutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 4 Dibromofluoromethane	0.20258	0.19998	0.20550	0.20915	0.20613	0.20135	0.20412	1.675	
$ 5 1,2-Dichloroethane-d4	0.27193	0.25159	0.24861	0.24314	0.23450	0.24572	0.24925	5.036	
$ 6 Toluene-d8	0.89211	0.84738	1.01106	1.01926	1.03794	1.02639	0.97236	8.352	
$ 7 Bromofluorobenzene	0.33715	0.28664	0.34643	0.37482	0.38555	0.39138	0.35366	11.099	

eport Date : 12-May-2005 14:22

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 28-APR-2005 11:41
nd Cal Date : 12-MAY-2005 13:11
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
ast Edit : 12-May-2005 14:14 a3ux10.i

alibration File Names:
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evel 2: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50428B-IC.b\UXX7607.D
evel 3: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50428B-IC.b\UXX7606.D
evel 4: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50428B-IC.b\UXX7605.D
evel 5: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50428B-IC.b\UXX7604.D
evel 6: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50428B-IC.b\UXX7603.D

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
8 Dichlorodifluoromethane	0.17129	0.13670	0.16815	0.12018	0.14535	0.13608	AVRG		0.14629		13.61000
9 Chloromethane	0.27234	0.26578	0.29449	0.28068	0.30675	0.28247	AVRG		0.28375		5.24750
10 Vinyl Chloride	0.24119	0.24793	0.28364	0.23960	0.26056	0.24886	AVRG		0.25363		6.49070
11 Bromomethane	0.13651	0.13453	0.14736	0.15032	0.13240	0.09962	AVRG		0.13346		13.54496
12 Chloroethane	0.16543	0.15154	0.17749	0.16011	0.16329	0.14886	AVRG		0.16112		6.41661
13 Trichlorofluoromethane	0.32991	0.32095	0.36653	0.27328	0.32139	0.29309	AVRG		0.31752		10.09346
14 Dichlorofluoromethane	0.44054	0.43259	0.44273	0.42491	0.42678	0.43705	AVRG		0.43410		1.67651
15 Acrolein	0.03005	0.02842	0.03000	0.02822	0.02895	0.02797	AVRG		0.02894		3.12228
16 Acetone	42722	59756	106589	195904	362643	631144	WLINR	-0.45797	0.07103		0.99684
17 1,1-Dichloroethene	0.17096	0.18544	0.17411	0.17322	0.17772	0.17127	AVRG		0.17546		3.11592
18 Freon-113	0.13878	0.14877	0.13694	0.13398	0.13356	0.12162	AVRG		0.13561		6.49241
19 Iodomethane	6982	18493	56165	126576	291749	633825	QUAD	0.06334	7.80894	-1.73521	0.99974
20 Carbon Disulfide	0.60316	0.59794	0.58287	0.59613	0.59414	0.57794	AVRG		0.59203		1.62455
21 Methylene Chloride	44976	72228	152019	281108	539796	1020366	WLINR	-0.11723	0.23017		0.99934

eport Date : 12-May-2005 14:22

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 28-APR-2005 11:41
nd Cal Date : 12-MAY-2005 13:11
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
ast Edit : 12-May-2005 14:14 a3ux10.i

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
22 Acetonitrile	0.03676	0.03409	0.03254	0.03135	0.03087	0.02961	AVRG		0.03254		7.89918
23 Acrylonitrile	0.08444	0.08853	0.08877	0.08676	0.08948	0.08758	AVRG		0.08759		2.07212
24 Methyl tert-butyl ether	0.41418	0.43994	0.45829	0.48365	0.49687	0.50566	AVRG		0.46643		7.58624
25 trans-1,2-Dichloroethene	0.20711	0.21595	0.21549	0.22572	0.22193	0.21665	AVRG		0.21714		2.92463
26 Hexane	0.04112	0.03850	0.03682	0.03689	0.04186	0.04011	AVRG		0.03922		5.47903
27 Vinyl acetate	0.32093	0.31893	0.33378	0.33690	0.36734	0.38008	AVRG		0.34299		7.32471
28 1,1-Dichloroethane	0.40179	0.39319	0.39811	0.39847	0.39774	0.38963	AVRG		0.39649		1.09446
29 tert-Butyl Alcohol	0.01746	0.01473	0.01546	0.01564	0.01721	0.01803	AVRG		0.01642		8.03183
30 2-Butanone	0.13655	0.12976	0.11726	0.11777	0.11882	0.11295	AVRG		0.12218		7.35631
31 1,2-Dichloroethene (total)	0.21313	0.21422	0.22107	0.23154	0.22982	0.22492	AVRG		0.22245		3.47870
32 cis-1,2-dichloroethene	0.21916	0.21250	0.22664	0.23736	0.23770	0.23320	AVRG		0.22776		4.51532
33 2,2-Dichloropropane	0.23336	0.24764	0.23662	0.25439	0.25655	0.25476	AVRG		0.24722		4.04453
34 Bromochloromethane	0.12157	0.12748	0.11895	0.12003	0.12004	0.12034	AVRG		0.12140		2.54749
35 Chloroform	0.39274	0.39478	0.39369	0.38752	0.37572	0.36516	AVRG		0.38493		3.11101
36 Tetrahydrofuran	0.08264	0.07138	0.06151	0.06244	0.06357	0.06527	AVRG		0.06780		11.90596
37 1,1,1-Trichloroethane	0.27845	0.27792	0.29694	0.29767	0.29674	0.29129	AVRG		0.28984		3.21164
38 1,1-Dichloropropene	0.24214	0.22374	0.23511	0.24931	0.25885	0.25273	AVRG		0.24365		5.24851
39 Carbon Tetrachloride	0.24758	0.24835	0.25280	0.25500	0.25458	0.24697	AVRG		0.25088		1.45919
40 1,2-Dichloroethane	0.32486	0.33125	0.32279	0.31735	0.30877	0.30007	AVRG		0.31751		3.59451
41 Benzene	0.84409	0.87947	0.88802	0.90744	0.88985	0.88023	AVRG		0.88152		2.37433
42 Trichloroethene	0.23455	0.24100	0.21414	0.22035	0.23075	0.23141	AVRG		0.22870		4.27896
43 1,2-Dichloropropane	0.21055	0.22627	0.22908	0.23749	0.22852	0.22705	AVRG		0.22649		3.88070

eport Date : 12-May-2005 14:22

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 28-APR-2005 11:41
nd Cal Date : 12-MAY-2005 13:11
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
ast Edit : 12-May-2005 14:14 a3ux10.i

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
44 1,4-Dioxane	7578	12786	42585	92334	214734	452272	QUAD	2.83216	526	-118	0.99947	<-
45 Dibromomethane	0.12525	0.12392	0.13555	0.12783	0.12771	0.12392	AVRG		0.12736		3.43138	
46 Bromodichloromethane	0.24113	0.26924	0.27379	0.27997	0.27374	0.26917	AVRG		0.26784		5.10386	
47 2-Chloroethyl vinyl ether	15683	31142	98682	236968	545279	1132725	QUAD	0.15396	8.07838	-0.47629	0.99942	
48 cis-1,3-Dichloropropene	0.24084	0.25923	0.28149	0.30395	0.31906	0.32656	AVRG		0.28852		11.80331	
49 4-Methyl-2-pentanone	0.16919	0.17631	0.19382	0.21011	0.22257	0.22528	AVRG		0.19954		11.85590	
50 Toluene	1.02984	1.11865	1.26402	1.32369	1.31242	1.26869	AVRG		1.21955		9.70439	
51 trans-1,3-Dichloropropene	0.27718	0.29130	0.31508	0.34313	0.35111	0.35843	AVRG		0.32271		10.38671	
52 Ethyl Methacrylate	17376	35059	112417	269208	602177	1261794	WLINR	0.05341	0.35318		0.99759	
53 1,1,2-Trichloroethane	0.24603	0.24315	0.25552	0.25423	0.24105	0.22993	AVRG		0.24499		3.84335	
54 1,3-Dichloropropane	0.38490	0.42330	0.43425	0.42697	0.42474	0.41174	AVRG		0.41765		4.21890	
55 Tetrachloroethene	0.24071	0.24362	0.24709	0.25370	0.24271	0.23667	AVRG		0.24408		2.38915	
56 2-Hexanone	0.17294	0.15732	0.17047	0.18825	0.19660	0.19588	AVRG		0.18024		8.77317	
57 Dibromochloromethane	0.24839	0.25462	0.26118	0.25645	0.25889	0.25313	AVRG		0.25544		1.76463	
58 1,2-Dibromoethane	0.22119	0.21767	0.23280	0.23630	0.23086	0.23083	AVRG		0.22827		3.16278	
59 Chlorobenzene	0.82656	0.85557	0.88427	0.87580	0.87467	0.85616	AVRG		0.86217		2.42078	
60 1,1,1,2-Tetrachloroethane	0.28419	0.28525	0.30163	0.30098	0.28696	0.27789	AVRG		0.28948		3.33674	
61 Ethylbenzene	0.35667	0.36421	0.40671	0.44973	0.46169	0.45231	AVRG		0.41522		11.20778	
62 m + p-Xylene	0.39808	0.44902	0.52581	0.57024	0.57571	0.56310	AVRG		0.51366		14.35417	
1 63 Xylenes (total)	84349	198880	614363	1413108	2965282	5965197	WLINR	0.11273	0.56859		0.99958	
64 Xylene-o	26305	61505	190544	450801	958447	1954964	WLINR	0.04462	0.55561		0.99939	
65 Styrene	42532	102841	331868	782699	1645981	3383658	WLINR	0.04825	0.96193		0.99951	

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INITIAL CALIBRATION DATA

tart Cal Date : 28-APR-2005 11:41
nd Cal Date : 12-MAY-2005 13:11
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
ast Edit : 12-May-2005 14:14 a3ux10.i

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
66 Bromoform	0.14950	0.16274	0.16054	0.16925	0.17533	0.17452	AVRG		0.16531		5.92852
67 Isopropylbenzene	57600	128163	394330	963024	2154307	4442182	WLINR	0.05449	1.25169		0.99800
68 1,1,2,2-Tetrachloroethane	0.59802	0.55503	0.54783	0.55679	0.55614	0.53571	AVRG		0.55826		3.77011
69 1,4-Dichloro-2-butene	0.16223	0.14065	0.14870	0.16540	0.17684	0.17374	AVRG		0.16126		8.76693
70 1,2,3-Trichloropropane	0.19313	0.18030	0.18780	0.18873	0.18590	0.18168	AVRG		0.18626		2.54369
71 Bromobenzene	0.55532	0.57717	0.58009	0.63443	0.65611	0.63997	AVRG		0.60718		6.80487
72 n-Propylbenzene	17351	40971	129251	311122	659047	1330210	WLINR	0.04533	0.67369		0.99854
73 2-Chlorotoluene	0.48109	0.50974	0.55691	0.59916	0.63346	0.61394	AVRG		0.56572		10.72498
74 1,3,5-Trimethylbenzene	46424	119096	396540	932576	1929447	3887959	WLINR	0.04669	1.98113		0.99915
75 4-Chlorotoluene	0.47099	0.59484	0.62573	0.65450	0.67083	0.63832	AVRG		0.60920		11.90047
76 tert-Butylbenzene	39422	95297	302114	749998	1804145	3773819	WLINR	0.07188	1.87534		0.99385
77 1,2,4-Trimethylbenzene	41486	118351	384258	933969	1896921	3881008	WLINR	0.05160	1.97289		0.99925
78 sec-Butylbenzene	58419	136879	435711	1035654	2261845	4587613	WLINR	0.04921	2.31331		0.99815
79 4-Isopropyltoluene	44219	110751	366350	871759	1877053	3867371	WLINR	0.05475	1.94602		0.99863
80 1,3-Dichlorobenzene	1.17302	1.16366	1.17434	1.20130	1.24448	1.21289	AVRG		1.19495		2.56572
81 1,4-Dichlorobenzene	1.40292	1.36062	1.27525	1.27630	1.27617	1.23249	AVRG		1.30396		4.90720
82 n-Butylbenzene	38859	91301	262102	665370	1462049	3090860	WLINR	0.05455	1.53205		0.99629
83 1,2-Dichlorobenzene	1.07739	1.15075	1.15675	1.20538	1.21918	1.16366	AVRG		1.16219		4.29648
84 1,2-Dibromo-3-chloropropane	0.09834	0.07608	0.07547	0.08521	0.09122	0.09887	AVRG		0.08753		11.88291
85 1,2,4-Trichlorobenzene	17830	37465	107111	260272	588884	1312738	WLINR	0.05514	0.63642		0.99303
86 Hexachlorobutadiene	0.27291	0.23263	0.22331	0.25617	0.27073	0.26018	AVRG		0.25266		8.04954
87 Naphthalene	22917	49548	150152	423463	1032876	2396286	QUAD	0.11020	0.98694	-0.03631	0.99845

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INITIAL CALIBRATION DATA

tart Cal Date : 28-APR-2005 11:41
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uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
ast Edit : 12-May-2005 14:14 a3ux10.i

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
88 1,2,3-Trichlorobenzene	14452	34876	102412	255236	549800	1180294	WLINR	0.05425	0.58307		0.99697	
89 Ethyl Ether	0.18760	0.17801	0.18718	0.18347	0.17998	0.19080	AVRG		0.18451		2.65630	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	0.10929	0.10883	0.11696	0.11964	0.11709	0.12713	AVRG		0.11649		5.87588	
92 Isopropyl Ether	0.15376	0.16026	0.18307	0.18900	0.18793	0.20250	AVRG		0.17942		10.38341	
93 2-Chloro-1,3-butadiene	0.22990	0.22826	0.24906	0.24133	0.23043	0.25524	AVRG		0.23904		4.74034	
94 Propionitrile	0.02641	0.02757	0.02546	0.02633	0.02776	0.02705	AVRG		0.02676		3.22875	
95 Ethyl Acetate	0.15352	0.16336	0.15166	0.15318	0.15751	0.16512	AVRG		0.15739		3.60564	
96 Methacrylonitrile	0.08481	0.09047	0.09081	0.09879	0.09440	0.10119	AVRG		0.09341		6.41896	
97 Isobutanol	0.00824	0.00774	0.00810	0.00763	0.00755	0.00807	AVRG		0.00789		3.60883	<-
98 Cyclohexane	0.29317	0.26092	0.27467	0.29874	0.33169	0.32829	AVRG		0.29791		9.48887	
99 n-Butanol	0.00548	0.00601	0.00541	0.00560	0.00624	0.00659	AVRG		0.00589		8.01125	<-
100 Methyl Methacrylate	0.10442	0.09838	0.11410	0.12261	0.13267	0.14240	AVRG		0.11910		14.09569	
101 2-Nitropropane	0.03085	0.02986	0.03127	0.03130	0.03517	0.03791	AVRG		0.03273		9.54082	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
103 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

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ast Edit : 12-May-2005 14:14 a3ux10.i

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
141 1,3,5-Trichlorobenzene	0.68745	0.67210	0.64390	0.71354	0.76064	0.76790	AVRG		0.70759		6.98341	
143 Methyl Acetate	0.20146	0.19664	0.18835	0.18235	0.17779	0.17080	AVRG		0.18623		6.21173	
144 Methylcyclohexane	0.25722	0.23209	0.24227	0.25755	0.29228	0.28882	AVRG		0.26170		9.30065	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
146 2-Methylnaphthalene	46052	75980	150880	712032	1862596	3106554	QUAD	0.39621	1.13034	0.10028	0.99247	
147 Tetrahydrothiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
148 1,4-Dichlorobutane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
4 Dibromofluoromethane	0.20258	0.19998	0.20550	0.20915	0.20613	0.20135	AVRG		0.20412		1.67479	
5 1,2-Dichloroethane-d4	0.27193	0.25159	0.24861	0.24314	0.23450	0.24572	AVRG		0.24925		5.03600	
6 Toluene-d8	0.89211	0.84738	1.01106	1.01926	1.03794	1.02639	AVRG		0.97236		8.35212	
7 Bromofluorobenzene	0.33715	0.28664	0.34643	0.37482	0.38555	0.39138	AVRG		0.35366		11.09875	

eport Date : 12-May-2005 14:22

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 28-APR-2005 11:41
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uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
ast Edit : 12-May-2005 14:14 a3ux10.i

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Wt Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8023.D
Report Date: 12-May-2005 14:13

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8023.D
Lab Smp Id: 5NG-IC
Inj Date : 12-MAY-2005 11:06
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 5NG-IC
Misc Info : P50512A-IC,8260LLUX10,2-8260.SUB,1904,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
Meth Date : 12-May-2005 14:13 a3ux10.i Quant Type: ISTD
Cal Date : 29-APR-2005 01:03 Cal File: UXX7605.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	4.997	4.997	(1.000)	928463	50.0000	
* 2 Chlorobenzene-d5	117	7.660	7.660	(1.000)	729054	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.884	9.884	(1.000)	384085	50.0000	
$ 4 Dibromofluoromethane	113	4.429	4.429	(0.886)	18809	5.00000	5.149
$ 5 1,2-Dichloroethane-d4	65	4.713	4.713	(0.943)	25248	5.00000	6.483
$ 6 Toluene-d8	98	6.346	6.346	(0.829)	65040	5.00000	4.564
$ 7 Bromofluorobenzene	95	8.760	8.760	(1.144)	24580	5.00000	4.919
8 Dichlorodifluoromethane	85	1.483	1.483	(0.297)	15904	5.00000	7.288
9 Chloromethane	50	1.613	1.613	(0.323)	25286	5.00000	6.060
10 Vinyl Chloride	62	1.708	1.708	(0.342)	22394	5.00000	5.043
11 Bromomethane	94	1.968	1.968	(0.394)	12674	5.00000	4.271
12 Chloroethane	64	2.051	2.051	(0.410)	15360	5.00000	4.598
13 Trichlorofluoromethane	101	2.252	2.252	(0.451)	30631	5.00000	6.081
15 Acrolein	56	2.560	2.560	(0.512)	27902	50.0000	74.535
16 Acetone	43	2.678	2.678	(0.536)	42722	10.0000	33.178
17 1,1-Dichloroethene	96	2.654	2.654	(0.531)	15873	5.00000	4.332
18 Freon-113	151	2.654	2.654	(0.531)	12885	5.00000	4.728
19 Iodomethane	142	2.784	2.784	(0.557)	6982	5.00000	1.960
20 Carbon Disulfide	76	2.844	2.844	(0.569)	56001	5.00000	4.422
21 Methylene Chloride	84	3.045	3.045	(0.609)	44976	5.00000	7.535
22 Acetonitrile	41	2.903	2.903	(0.581)	34134	50.0000	67.713
23 Acrylonitrile	53	3.222	3.222	(0.645)	78397	50.0000	60.152

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8023.D
Report Date: 12-May-2005 14:13

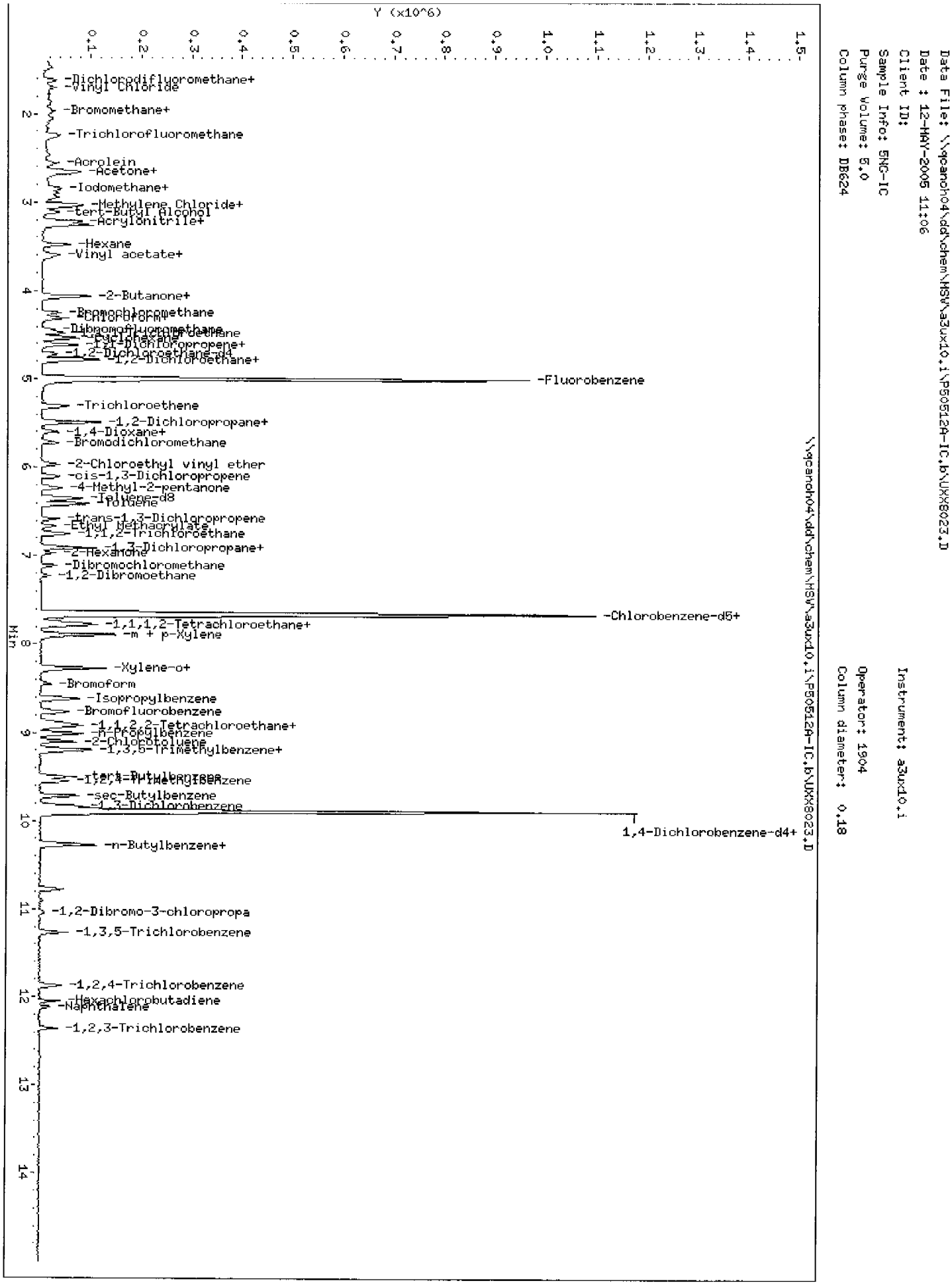
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.258	3.258	(0.652)	38455	5.00000	4.504
25 trans-1,2-Dichloroethene	96	3.258	3.258	(0.652)	19229	5.00000	4.982
26 Hexane	86	3.483	3.483	(0.697)	3818	5.00000	6.067
27 Vinyl acetate	43	3.613	3.613	(0.723)	29797	5.00000	6.173
28 1,1-Dichloroethane	63	3.589	3.589	(0.718)	37305	5.00000	6.016
29 tert-Butyl Alcohol	59	3.116	3.116	(0.624)	32420	100.000	112.56
30 2-Butanone	43	4.062	4.062	(0.813)	25356	10.0000	16.749
32 cis-1,2-dichloroethene	96	4.051	4.051	(0.811)	20348	5.00000	5.010
33 2,2-Dichloropropane	77	4.062	4.062	(0.813)	21667	5.00000	5.532
34 Bromochloromethane	128	4.252	4.252	(0.851)	11287	5.00000	5.303
35 Chloroform	83	4.311	4.311	(0.863)	36464	5.00000	5.748
36 Tetrahydrofuran	42	4.299	4.299	(0.860)	7673	5.00000	8.736
37 1,1,1-Trichloroethane	97	4.477	4.477	(0.896)	25853	5.00000	5.491
38 1,1-Dichloropropene	75	4.607	4.607	(0.922)	22482	5.00000	5.541
39 Carbon Tetrachloride	117	4.618	4.618	(0.924)	22987	5.00000	5.569
40 1,2-Dichloroethane	62	4.784	4.784	(0.957)	30162	5.00000	6.594
41 Benzene	78	4.784	4.784	(0.957)	78371	5.00000	5.141
42 Trichloroethene	130	5.317	5.317	(1.064)	21777	5.00000	5.272
43 1,2-Dichloropropane	63	5.494	5.494	(1.099)	19549	5.00000	5.377
44 1,4-Dioxane	88	5.624	5.624	(1.125)	7578	250.000	210.92(A)
45 Dibromomethane	93	5.601	5.601	(1.121)	11629	5.00000	5.334
46 Bromodichloromethane	83	5.719	5.719	(1.144)	22388	5.00000	5.003
47 2-Chloroethyl vinyl ether	63	5.967	5.967	(1.194)	15683	10.0000	8.958
48 cis-1,3-Dichloropropene	75	6.109	6.109	(1.223)	22361	5.00000	4.363
49 4-Methyl-2-pentanone	43	6.228	6.228	(1.246)	31417	10.0000	11.789
50 Toluene	91	6.405	6.405	(0.836)	75081	5.00000	4.452
51 trans-1,3-Dichloropropene	75	6.583	6.583	(0.859)	20208	5.00000	4.526
52 Ethyl Methacrylate	69	6.666	6.666	(0.870)	17376	5.00000	4.351
53 1,1,2-Trichloroethane	97	6.748	6.748	(0.881)	17937	5.00000	5.126
54 1,3-Dichloropropane	76	6.902	6.902	(0.901)	28061	5.00000	4.737
55 Tetrachloroethene	164	6.914	6.914	(0.903)	17549	5.00000	4.797
56 2-Hexanone	43	6.973	6.973	(0.910)	25217	10.0000	13.252
57 Dibromochloromethane	129	7.115	7.115	(0.929)	18109	5.00000	4.977
58 1,2-Dibromoethane	107	7.234	7.234	(0.944)	16126	5.00000	4.826
59 Chlorobenzene	112	7.683	7.683	(1.003)	60261	5.00000	5.021
60 1,1,1,2-Tetrachloroethane	131	7.754	7.754	(1.012)	20719	5.00000	5.010
61 Ethylbenzene	106	7.778	7.778	(1.015)	26003	5.00000	4.560
62 m + p-Xylene	106	7.896	7.896	(1.031)	58044	10.0000	8.136
64 Xylene-o	106	8.263	8.263	(1.079)	26305	5.00000	3.948
65 Styrene	104	8.275	8.275	(1.080)	42532	5.00000	3.748
66 Bromoform	173	8.452	8.452	(1.103)	10899	5.00000	4.131
67 Isopropylbenzene	105	8.618	8.618	(1.125)	57600	5.00000	3.962
68 1,1,2,2-Tetrachloroethane	83	8.878	8.878	(0.898)	22969	5.00000	5.568
69 1,4-Dichloro-2-butene	53	8.937	8.937	(0.904)	6231	5.00000	7.452
70 1,2,3-Trichloropropane	110	8.926	8.926	(0.903)	7418	5.00000	5.520
71 Bromobenzene	156	8.914	8.914	(0.902)	21329	5.00000	4.334
72 n-Propylbenzene	120	9.008	9.008	(0.911)	17351	5.00000	4.072
73 2-Chlorotoluene	126	9.103	9.103	(0.921)	18478	5.00000	4.420
74 1,3,5-Trimethylbenzene	105	9.186	9.186	(0.929)	46424	5.00000	3.983
75 4-Chlorotoluene	126	9.198	9.198	(0.931)	18090	5.00000	4.082
76 tert-Butylbenzene	119	9.505	9.505	(0.962)	39422	5.00000	3.580
77 1,2,4-Trimethylbenzene	105	9.553	9.553	(0.966)	41486	5.00000	3.575
78 sec-Butylbenzene	105	9.718	9.718	(0.983)	58419	5.00000	4.121
79 4-Isopropyltoluene	119	9.860	9.860	(0.998)	44219	5.00000	3.752

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8023.D
Report Date: 12-May-2005 14:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80 1,3-Dichlorobenzene	146	9.825	9.825	(0.994)	45054	5.00000	4.867
81 1,4-Dichlorobenzene	146	9.908	9.908	(1.002)	53884	5.00000	5.434
82 n-Butylbenzene	91	10.263	10.263	(1.038)	38859	5.00000	4.252
83 1,2-Dichlorobenzene	146	10.275	10.275	(1.040)	41381	5.00000	4.542
84 1,2-Dibromo-3-chloropropane	157	11.044	11.044	(1.117)	3777	5.00000	4.962
85 1,2,4-Trichlorobenzene	180	11.872	11.872	(1.201)	17830	5.00000	3.712
86 Hexachlorobutadiene	225	12.049	12.049	(1.219)	10482	5.00000	3.561
87 Naphthalene	128	12.120	12.120	(1.226)	22917	5.00000	3.301
88 1,2,3-Trichlorobenzene	180	12.357	12.357	(1.250)	14452	5.00000	3.129
98 Cyclohexane	56	4.536	4.536	(0.908)	27220	5.00000	6.955
143 Methyl Acetate	43	2.950	2.950	(0.590)	37409	10.0000	13.100(A)
144 Methylcyclohexane	83	5.482	5.482	(1.097)	23882	5.00000	5.670(A)
141 1,3,5-Trichlorobenzene	180	11.269	11.269	(1.140)	26404	5.00000	4.486(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 12-MAY-2005 11:06
Client ID:
Sample Info: 5NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
\\qcanch04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8023.D
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride+
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane+
-m + p-Xylene
-Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8024.D
Report Date: 12-May-2005 14:13

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8024.D
Lab Smp Id: 10NG-IC
Inj Date : 12-MAY-2005 11:31
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 10NG-IC
Misc Info : P50512A-IC,8260LLUX10,2-8260.SUB,1904,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
Meth Date : 12-May-2005 14:13 a3ux10.i Quant Type: ISTD
Cal Date : 29-APR-2005 02:18 Cal File: UXX7608.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	4.997	4.997	(1.000)	984959	50.0000	
* 2 Chlorobenzene-d5	117	7.660	7.660	(1.000)	764866	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.884	9.884	(1.000)	421871	50.0000	
$ 4 Dibromofluoromethane	113	4.441	4.441	(0.889)	39395	10.0000	10.050
$ 5 1,2-Dichloroethane-d4	65	4.713	4.713	(0.943)	49562	10.0000	11.610
$ 6 Toluene-d8	98	6.346	6.346	(0.829)	129626	10.0000	8.583
$ 7 Bromofluorobenzene	95	8.760	8.760	(1.144)	43849	10.0000	8.128
8 Dichlorodifluoromethane	85	1.483	1.483	(0.297)	26928	10.0000	10.969
9 Chloromethane	50	1.625	1.625	(0.325)	52357	10.0000	11.614
10 Vinyl Chloride	62	1.708	1.708	(0.342)	48841	10.0000	10.430
11 Bromomethane	94	1.968	1.968	(0.394)	26501	10.0000	8.997
12 Chloroethane	64	2.051	2.051	(0.410)	29853	10.0000	8.553
13 Trichlorofluoromethane	101	2.240	2.240	(0.448)	63225	10.0000	11.496
15 Acrolein	56	2.571	2.571	(0.515)	55989	100.000	133.32
16 Acetone	43	2.690	2.690	(0.538)	59756	20.0000	32.726
17 1,1-Dichloroethene	96	2.666	2.666	(0.534)	36531	10.0000	9.851
18 Freon-113	151	2.654	2.654	(0.531)	29307	10.0000	10.835
19 Iodomethane	142	2.784	2.784	(0.557)	18493	10.0000	5.512
20 Carbon Disulfide	76	2.844	2.844	(0.569)	117790	10.0000	9.021
21 Methylene Chloride	84	3.045	3.045	(0.609)	72228	10.0000	11.236
22 Acetonitrile	41	2.903	2.903	(0.581)	67163	100.000	120.94
23 Acrylonitrile	53	3.222	3.222	(0.645)	174400	100.000	122.02

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8024.D
Report Date: 12-May-2005 14:13

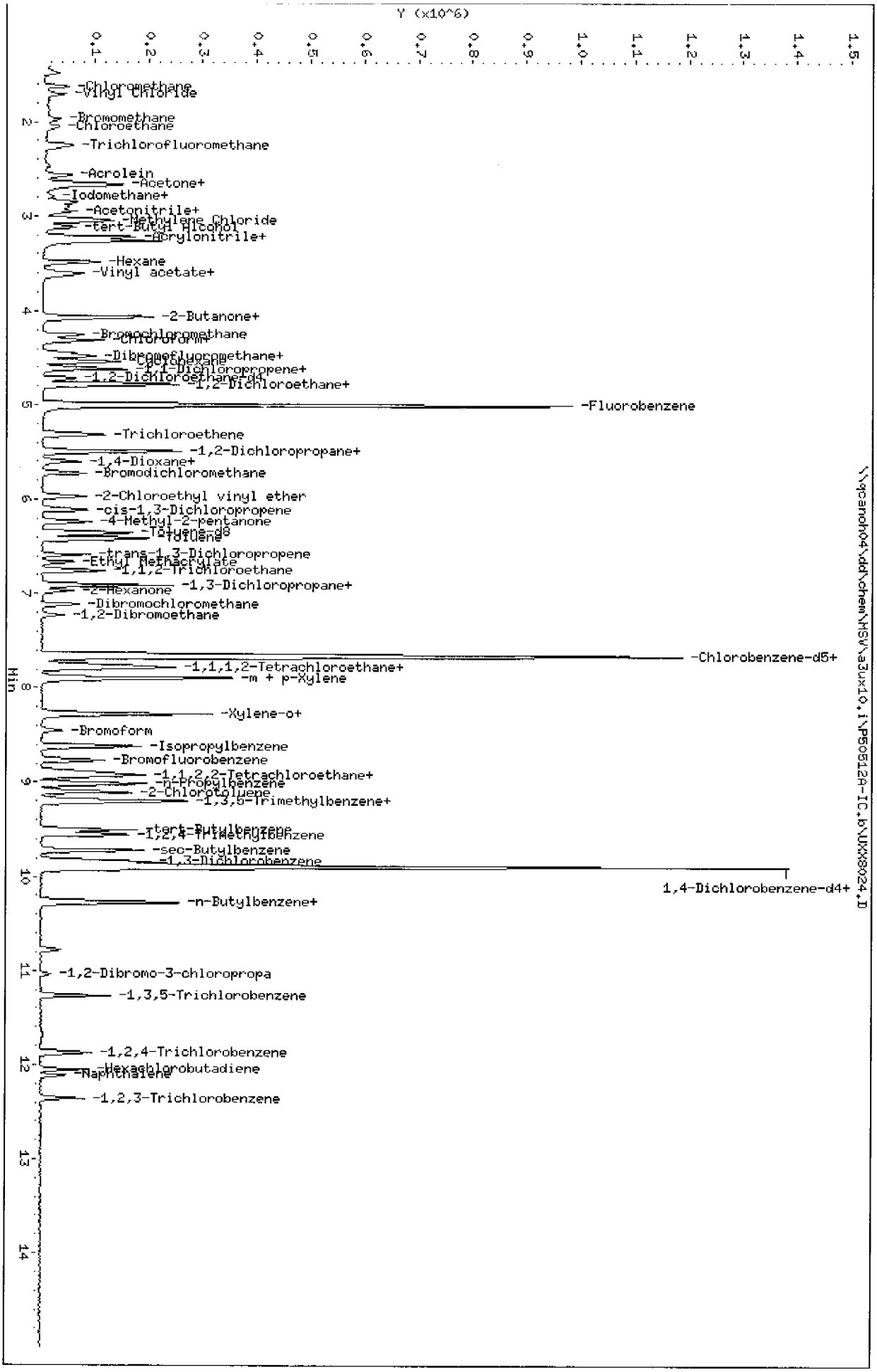
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.258	3.258	(0.652)	86664	10.0000	9.649
25 trans-1,2-Dichloroethene	96	3.258	3.258	(0.652)	42541	10.0000	10.343
26 Hexane	86	3.483	3.483	(0.697)	7584	10.0000	11.184
27 Vinyl acetate	43	3.625	3.625	(0.725)	62826	10.0000	11.576
28 1,1-Dichloroethane	63	3.589	3.589	(0.718)	77456	10.0000	11.319
29 tert-Butyl Alcohol	59	3.116	3.116	(0.624)	58034	200.000	188.63
30 2-Butanone	43	4.062	4.062	(0.813)	51122	20.0000	28.445
32 cis-1,2 dichloroethene	96	4.062	4.062	(0.813)	41860	10.0000	9.619
33 2,2-Dichloropropane	77	4.062	4.062	(0.813)	48784	10.0000	11.434
34 Bromochloromethane	128	4.252	4.252	(0.851)	25112	10.0000	10.858
35 Chloroform	83	4.311	4.311	(0.863)	77769	10.0000	11.267
36 Tetrahydrofuran	42	4.299	4.299	(0.860)	14062	10.0000	13.874
37 1,1,1-Trichloroethane	97	4.477	4.477	(0.896)	54748	10.0000	10.750
38 1,1-Dichloropropene	75	4.607	4.607	(0.922)	44074	10.0000	10.004
39 Carbon Tetrachloride	117	4.619	4.619	(0.924)	48922	10.0000	11.192
40 1,2-Dichloroethane	62	4.784	4.784	(0.957)	65253	10.0000	12.824
41 Benzene	78	4.784	4.784	(0.957)	173249	10.0000	10.573
42 Trichloroethene	130	5.317	5.317	(1.064)	47475	10.0000	10.703
43 1,2-Dichloropropane	63	5.494	5.494	(1.099)	44573	10.0000	11.309
44 1,4-Dioxane	88	5.624	5.624	(1.125)	12786	500.000	340.00(A)
45 Dibromomethane	93	5.589	5.589	(1.118)	24412	10.0000	10.424
46 Bromodichloromethane	83	5.719	5.719	(1.144)	53039	10.0000	11.000
47 2-Chloroethyl vinyl ether	63	5.967	5.967	(1.194)	31142	20.0000	16.340
48 cis-1,3-Dichloropropene	75	6.109	6.109	(1.223)	51067	10.0000	9.333
49 4-Methyl-2-pentanone	43	6.228	6.228	(1.246)	69462	20.0000	23.659
50 Toluene	91	6.417	6.417	(0.838)	171123	10.0000	9.647
51 trans-1,3-Dichloropropene	75	6.583	6.583	(0.859)	44561	10.0000	9.451
52 Ethyl Methacrylate	69	6.666	6.666	(0.870)	35059	10.0000	8.144
53 1,1,2-Trichloroethane	97	6.748	6.748	(0.881)	37196	10.0000	10.068
54 1,3-Dichloropropane	76	6.902	6.902	(0.901)	64753	10.0000	10.458
55 Tetrachloroethene	164	6.914	6.914	(0.903)	37267	10.0000	9.772
56 2-Hexanone	43	6.973	6.973	(0.910)	48131	20.0000	22.338
57 Dibromochloromethane	129	7.115	7.115	(0.929)	38950	10.0000	10.162
58 1,2-Dibromoethane	107	7.222	7.222	(0.943)	33298	10.0000	9.473
59 Chlorobenzene	112	7.683	7.683	(1.003)	130879	10.0000	10.353
60 1,1,1,2-Tetrachloroethane	131	7.754	7.754	(1.012)	43635	10.0000	10.016
61 Ethylbenzene	106	7.778	7.778	(1.015)	55715	10.0000	9.179
62 m + p-Xylene	106	7.896	7.896	(1.031)	137375	20.0000	18.179
64 Xylene-o	106	8.263	8.263	(1.079)	61505	10.0000	8.694
65 Styrene	104	8.275	8.275	(1.080)	102841	10.0000	8.532
66 Bromoform	173	8.452	8.452	(1.103)	24895	10.0000	9.054
67 Isopropylbenzene	105	8.618	8.618	(1.125)	128163	10.0000	8.317
68 1,1,2,2-Tetrachloroethane	83	8.878	8.878	(0.898)	46830	10.0000	10.458
69 1,4-Dichloro-2-butene	53	8.938	8.938	(0.904)	11867	10.0000	11.864
70 1,2,3-Trichloropropane	110	8.926	8.926	(0.903)	15213	10.0000	10.249
71 Bromobenzene	156	8.914	8.914	(0.902)	48698	10.0000	9.203
72 n-Propylbenzene	120	9.009	9.009	(0.911)	40971	10.0000	8.654
73 2-Chlorotoluene	126	9.103	9.103	(0.921)	43009	10.0000	9.340
74 1,3,5-Trimethylbenzene	105	9.186	9.186	(0.929)	119096	10.0000	8.994
75 4-Chlorotoluene	126	9.210	9.210	(0.932)	50189	10.0000	10.335
76 tert-Butylbenzene	119	9.505	9.505	(0.962)	95297	10.0000	7.934
77 1,2,4-Trimethylbenzene	105	9.553	9.553	(0.966)	118351	10.0000	9.086
78 sec-Butylbenzene	105	9.718	9.718	(0.983)	136879	10.0000	8.636
79 4-Isopropyltoluene	119	9.860	9.860	(0.998)	110751	10.0000	8.358

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8024.D
Report Date: 12-May-2005 14:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL AMT (ng)	AMOUNTS ON-COL (ng)
80 1,3-Dichlorobenzene	146	9.825	9.825	(0.994)	98183	10.0000	9.625
81 1,4-Dichlorobenzene	146	9.908	9.908	(1.002)	114801	10.0000	10.485
82 n-Butylbenzene	91	10.263	10.263	(1.038)	91301	10.0000	8.807
83 1,2-Dichlorobenzene	146	10.275	10.275	(1.040)	97094	10.0000	9.953
84 1,2-Dibromo-3-chloropropane	157	11.032	11.032	(1.116)	6419	10.0000	7.712
85 1,2,4-Trichlorobenzene	180	11.872	11.872	(1.201)	37465	10.0000	7.161
86 Hexachlorobutadiene	225	12.050	12.050	(1.219)	19628	10.0000	6.541
87 Naphthalene	128	12.121	12.121	(1.226)	49548	10.0000	6.360
88 1,2,3-Trichlorobenzene	180	12.357	12.357	(1.250)	34876	10.0000	6.967
98 Cyclohexane	56	4.536	4.536	(0.908)	51399	10.0000	11.712
143 Methyl Acetate	43	2.950	2.950	(0.590)	77473	20.0000	24.739(A)
144 Methylcyclohexane	83	5.494	5.494	(1.099)	45719	10.0000	10.111(A)
141 1,3,5-Trichlorobenzene	180	11.257	11.257	(1.139)	56708	10.0000	8.638(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 12-MAY-2005 11:31
Client ID:
Sample Info: 10NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Acetonitrile+
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
-1,3-Dichloropropane+
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane+
-m + p-Xylene
-Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
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Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8025.D
Report Date: 12-May-2005 14:13

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8025.D
Lab Smp Id: 25NG-IC
Inj Date : 12-MAY-2005 11:56
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 25NG-IC
Misc Info : P50512A-IC,8260LLUX10,2-8260.SUB,1904,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
Meth Date : 12-May-2005 14:13 a3ux10.i Quant Type: ISTD
Cal Date : 29-APR-2005 01:53 Cal File: UXX7607.D
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.007	5.007	(1.000)	1039720	50.0000	
* 2 Chlorobenzene-d5	117	7.658	7.658	(1.000)	806038	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.894	9.894	(1.000)	469810	50.0000	
$ 4 Dibromofluoromethane	113	4.439	4.439	(0.887)	106832	25.0000	25.715
$ 5 1,2-Dichloroethane-d4	65	4.723	4.723	(0.943)	129242	25.0000	27.815
$ 6 Toluene-d8	98	6.356	6.356	(0.830)	407478	25.0000	26.020
$ 7 Bromofluorobenzene	95	8.758	8.758	(1.144)	139616	25.0000	25.191
8 Dichlorodifluoromethane	85	1.481	1.481	(0.296)	87415	25.0000	33.552
9 Chloromethane	50	1.623	1.623	(0.324)	153095	25.0000	31.296
10 Vinyl Chloride	62	1.706	1.706	(0.341)	147452	25.0000	29.738
11 Bromomethane	94	1.966	1.966	(0.393)	76607	25.0000	25.437
12 Chloroethane	64	2.049	2.049	(0.409)	92271	25.0000	25.612
13 Trichlorofluoromethane	101	2.250	2.250	(0.449)	190542	25.0000	32.183
15 Acrolein	56	2.570	2.570	(0.513)	155958	250.000	334.04
16 Acetone	43	2.688	2.688	(0.537)	106589	50.0000	48.825
17 1,1-Dichloroethene	96	2.664	2.664	(0.532)	90515	25.0000	23.114
18 Freon-113	151	2.652	2.652	(0.530)	71189	25.0000	23.913
19 Iodomethane	142	2.783	2.783	(0.556)	56165	25.0000	17.784
20 Carbon Disulfide	76	2.854	2.854	(0.570)	303013	25.0000	22.312
21 Methylene Chloride	84	3.043	3.043	(0.608)	152019	25.0000	22.399
22 Acetonitrile	41	2.901	2.901	(0.579)	169183	250.000	281.40
23 Acrylonitrile	53	3.220	3.220	(0.643)	461476	250.000	300.94

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8025.D
Report Date: 12-May-2005 14:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.256	3.256	(0.650)	238249	25.0000	25.638
25 trans-1,2-Dichloroethene	96	3.256	3.256	(0.650)	112026	25.0000	25.694
26 Hexane	86	3.481	3.481	(0.695)	19143	25.0000	25.052
27 Vinyl acetate	43	3.623	3.623	(0.724)	173520	25.0000	29.202
28 1,1-Dichloroethane	63	3.599	3.599	(0.719)	206964	25.0000	27.984
29 tert-Butyl Alcohol	59	3.114	3.114	(0.622)	160705	500.000	510.38
30 2-Butanone	43	4.060	4.060	(0.811)	121919	50.0000	59.219
32 cis-1,2-dichloroethene	96	4.060	4.060	(0.811)	117820	25.0000	25.714
33 2,2-Dichloropropane	77	4.060	4.060	(0.811)	123009	25.0000	26.309
34 Bromochloromethane	128	4.250	4.250	(0.849)	61837	25.0000	25.157
35 Chloroform	83	4.309	4.309	(0.861)	204662	25.0000	27.584
36 Tetrahydrofuran	42	4.309	4.309	(0.861)	31976	25.0000	27.831
37 1,1,1-Trichloroethane	97	4.475	4.475	(0.894)	154365	25.0000	28.075
38 1,1-Dichloropropene	75	4.605	4.605	(0.920)	122222	25.0000	25.781
39 Carbon Tetrachloride	117	4.617	4.617	(0.922)	131423	25.0000	27.321
40 1,2-Dichloroethane	62	4.782	4.782	(0.955)	167806	25.0000	29.840
41 Benzene	78	4.782	4.782	(0.955)	461647	25.0000	26.358
42 Trichloroethene	130	5.315	5.315	(1.061)	111323	25.0000	23.522
43 1,2-Dichloropropane	63	5.492	5.492	(1.097)	119089	25.0000	27.993
44 1,4-Dioxane	88	5.611	5.611	(1.121)	42585	1250.00	1122.9(A)
45 Dibromomethane	93	5.599	5.599	(1.118)	70466	25.0000	28.424
46 Bromodichloromethane	83	5.717	5.717	(1.142)	142330	25.0000	27.576
47 2-Chloroethyl vinyl ether	63	5.966	5.966	(1.191)	98682	50.0000	49.283
48 cis-1,3-Dichloropropene	75	6.108	6.108	(1.220)	146333	25.0000	25.465
49 4-Methyl-2-pentanone	43	6.226	6.226	(1.243)	201514	50.0000	61.971
50 Toluene	91	6.415	6.415	(0.838)	509426	25.0000	27.344
51 trans-1,3-Dichloropropene	75	6.581	6.581	(0.859)	126984	25.0000	25.451
52 Ethyl Methacrylate	69	6.664	6.664	(0.870)	112417	25.0000	25.115
53 1,1,2-Trichloroethane	97	6.747	6.747	(0.881)	102981	25.0000	26.792
54 1,3-Dichloropropane	76	6.900	6.900	(0.901)	175011	25.0000	26.791
55 Tetrachloroethene	164	6.912	6.912	(0.903)	99583	25.0000	24.734
56 2-Hexanone	43	6.971	6.971	(0.910)	137405	50.0000	58.446
57 Dibromochloromethane	129	7.113	7.113	(0.929)	105260	25.0000	25.871
58 1,2-Dibromoethane	107	7.232	7.232	(0.944)	93823	25.0000	25.923
59 Chlorobenzene	112	7.681	7.681	(1.003)	356379	25.0000	26.729
60 1,1,1,2 Tetrachloroethane	131	7.752	7.752	(1.012)	121564	25.0000	26.524
61 Ethylbenzene	106	7.788	7.788	(1.017)	163911	25.0000	25.838
62 m + p-Xylene	106	7.894	7.894	(1.031)	423819	50.0000	53.172
64 Xylene-o	106	8.273	8.273	(1.080)	190544	25.0000	25.616
65 Styrene	104	8.273	8.273	(1.080)	331868	25.0000	26.101
66 Bromoform	173	8.450	8.450	(1.104)	64700	25.0000	22.844
67 Isopropylbenzene	105	8.616	8.616	(1.125)	394330	25.0000	24.348
68 1,1,2,2-Tetrachloroethane	83	8.888	8.888	(0.898)	128689	25.0000	25.814
69 1,4-Dichloro-2-butene	53	8.936	8.936	(0.903)	34930	25.0000	29.902
70 1,2,3-Trichloropropane	110	8.924	8.924	(0.902)	44114	25.0000	26.867
71 Bromobenzene	156	8.912	8.912	(0.901)	136266	25.0000	23.629
72 n-Propylbenzene	120	9.018	9.018	(0.912)	129251	25.0000	24.462
73 2-Chlorotoluene	126	9.101	9.101	(0.920)	130820	25.0000	25.578
74 1,3,5-Trimethylbenzene	105	9.184	9.184	(0.928)	396540	25.0000	26.518
75 4-Chlorotoluene	126	9.208	9.208	(0.931)	146986	25.0000	27.006
76 tert-Butylbenzene	119	9.504	9.504	(0.961)	302114	25.0000	22.899
77 1,2,4-Trimethylbenzene	105	9.551	9.551	(0.965)	384258	25.0000	26.085
78 sec-Butylbenzene	105	9.717	9.717	(0.982)	435711	25.0000	24.498
79 4-Isopropyltoluene	119	9.859	9.859	(0.996)	366350	25.0000	24.547

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8025.D
Report Date: 12-May-2005 14:13

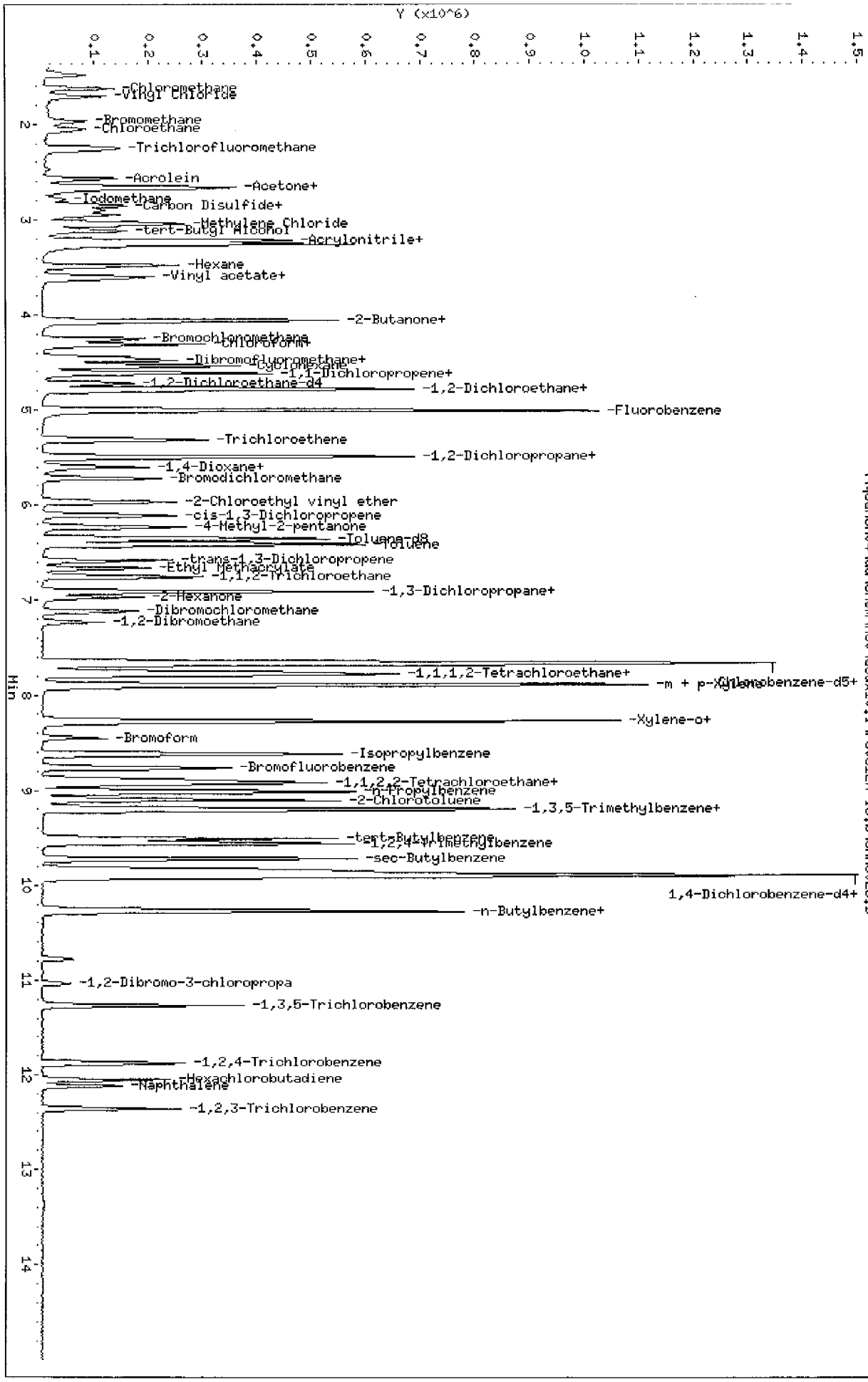
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80 1,3-Dichlorobenzene	146	9.823	9.823	(0.993)	275858	25.0000	24.582
81 1,4-Dichlorobenzene	146	9.918	9.918	(1.002)	299563	25.0000	24.588
82 n-Butylbenzene	91	10.261	10.261	(1.037)	262102	25.0000	22.104
83 1,2-Dichlorobenzene	146	10.285	10.285	(1.039)	271727	25.0000	25.088
84 1,2-Dibromo-3-chloropropane	157	11.042	11.042	(1.116)	17729	25.0000	19.938
85 1,2,4-Trichlorobenzene	180	11.882	11.882	(1.201)	107111	25.0000	18.779
86 Hexachlorobutadiene	225	12.048	12.048	(1.218)	52457	25.0000	16.854
87 Naphthalene	128	12.119	12.119	(1.225)	150152	25.0000	17.400
88 1,2,3-Trichlorobenzene	180	12.355	12.355	(1.249)	102412	25.0000	18.898
98 Cyclohexane	56	4.534	4.534	(0.905)	142788	25.0000	28.405
143 Methyl Acetate	43	2.948	2.948	(0.589)	195827	50.0000	57.494(A)
144 Methylcyclohexane	83	5.492	5.492	(1.097)	125944	25.0000	24.918(A)
141 1,3,5-Trichlorobenzene	180	11.267	11.267	(1.139)	151255	25.0000	20.735(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UX8025.D
Date : 12-MAY-2005 11:56
Client ID:
Sample Info: 25NC-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8026.D
Lab Smp Id: 50NG-IC
Inj Date : 12-MAY-2005 12:21
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 50NG-IC
Misc Info : P50512A-IC,8260LLUX10,2-8260.SUB,1904,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
Meth Date : 12-May-2005 14:14 a3ux10.i Quant Type: ISTD
Cal Date : 29-APR-2005 00:13 Cal File: UXX7603.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.007	5.007	(1.000)	1066328	50.0000	
* 2 Chlorobenzene-d5	117	7.658	7.658	(1.000)	843767	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.894	9.894	(1.000)	486151	50.0000	
$ 4 Dibromofluoromethane	113	4.439	4.439	(0.887)	223025	50.0000	51.488
$ 5 1,2-Dichloroethane-d4	65	4.723	4.723	(0.943)	259266	50.0000	49.946
$ 6 Toluene-d8	98	6.356	6.356	(0.830)	860020	50.0000	52.245
$ 7 Bromofluorobenzene	95	8.758	8.758	(1.144)	316259	50.0000	53.322
8 Dichlorodifluoromethane	85	1.481	1.481	(0.296)	128148	50.0000	41.664
9 Chloromethane	50	1.623	1.623	(0.324)	299299	50.0000	51.666
10 Vinyl Chloride	62	1.706	1.706	(0.341)	255496	50.0000	47.716
11 Bromomethane	94	1.966	1.966	(0.393)	160286	50.0000	56.251
12 Chloroethane	64	2.049	2.049	(0.409)	170732	50.0000	49.258
13 Trichlorofluoromethane	101	2.250	2.250	(0.449)	291404	50.0000	43.518
15 Acrolein	56	2.558	2.558	(0.511)	300941	500.000	515.41
16 Acetone	43	2.688	2.688	(0.537)	195904	100.000	78.417
17 1,1-Dichloroethene	96	2.664	2.664	(0.532)	184708	50.0000	48.528
18 Freon-113	151	2.664	2.664	(0.532)	142867	50.0000	48.981
19 Iodomethane	142	2.783	2.783	(0.556)	126576	50.0000	47.719
20 Carbon Disulfide	76	2.854	2.854	(0.570)	635675	50.0000	49.359
21 Methylene Chloride	84	3.043	3.043	(0.608)	281108	50.0000	41.626
22 Acetonitrile	41	2.901	2.901	(0.579)	334290	500.000	495.64
23 Acrylonitrile	53	3.220	3.220	(0.643)	925104	500.000	513.46

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8026.D
Report Date: 12-May-2005 14:14

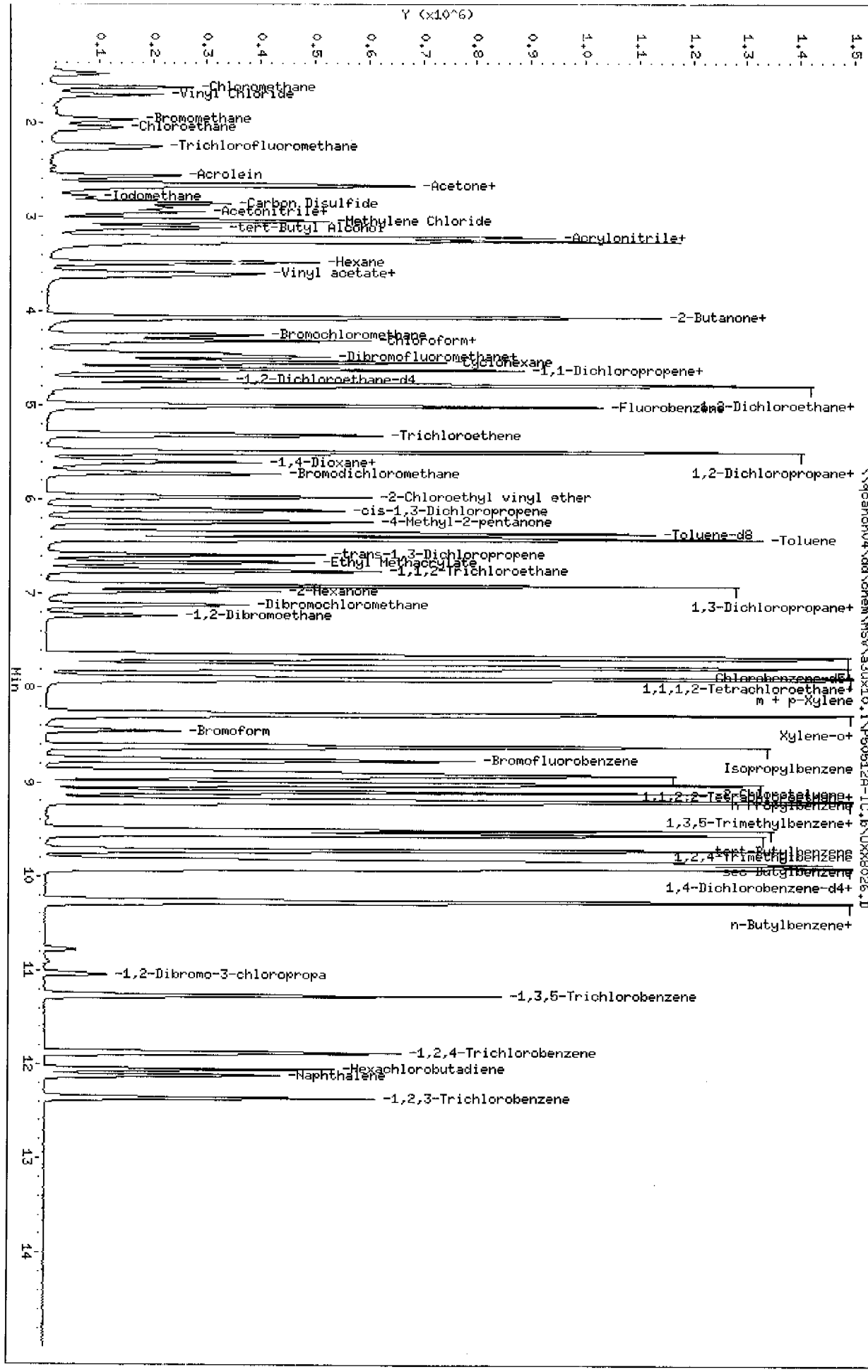
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.256	3.256	(0.650)	515728	50.0000	52.249
25 trans-1,2-Dichloroethene	96	3.256	3.256	(0.650)	240692	50.0000	52.690
26 Hexane	86	3.481	3.481	(0.695)	39336	50.0000	47.420
27 Vinyl acetate	43	3.623	3.623	(0.724)	359250	50.0000	50.731
28 1,1-Dichloroethane	63	3.587	3.587	(0.716)	424902	50.0000	51.715
29 tert-Butyl Alcohol	59	3.114	3.114	(0.622)	333631	1000.00	952.05
30 2-Butanone	43	4.061	4.061	(0.811)	251156	100.000	100.68
32 cis-1,2-dichloroethene	96	4.061	4.061	(0.811)	253100	50.0000	52.796
33 2,2-Dichloropropane	77	4.061	4.061	(0.811)	271268	50.0000	52.856
34 Bromochloromethane	128	4.250	4.250	(0.849)	127994	50.0000	49.723
35 Chloroform	83	4.309	4.309	(0.861)	413224	50.0000	51.514
36 Tetrahydrofuran	42	4.297	4.297	(0.858)	66578	50.0000	48.029
37 1,1,1-Trichloroethane	97	4.475	4.475	(0.894)	317419	50.0000	52.591
38 1,1-Dichloropropene	75	4.605	4.605	(0.920)	265850	50.0000	52.218
39 Carbon Tetrachloride	117	4.617	4.617	(0.922)	271914	50.0000	52.161
40 1,2-Dichloroethane	62	4.782	4.782	(0.955)	338398	50.0000	52.037
41 Benzene	78	4.782	4.782	(0.955)	967633	50.0000	52.296
42 Trichloroethene	130	5.315	5.315	(1.061)	234962	50.0000	48.064
43 1,2-Dichloropropane	63	5.492	5.492	(1.097)	253247	50.0000	53.984
44 1,4-Dioxane	88	5.611	5.611	(1.121)	92334	2500.00	2469.2(A)
45 Dibromomethane	93	5.599	5.599	(1.118)	136310	50.0000	50.886
46 Bromodichloromethane	83	5.717	5.717	(1.142)	298535	50.0000	53.362
47 2-Chloroethyl vinyl ether	63	5.966	5.966	(1.191)	236968	100.000	107.87
48 cis-1,3-Dichloropropene	75	6.108	6.108	(1.220)	324110	50.0000	53.221
49 4-Methyl-2-pentanone	43	6.226	6.226	(1.243)	448085	100.000	110.92
50 Toluene	91	6.415	6.415	(0.838)	1116887	50.0000	55.225
51 trans-1,3-Dichloropropene	75	6.581	6.581	(0.859)	289525	50.0000	53.805
52 Ethyl Methacrylate	69	6.664	6.664	(0.870)	269208	50.0000	54.747
53 1,1,2-Trichloroethane	97	6.747	6.747	(0.881)	214512	50.0000	52.394
54 1,3-Dichloropropane	76	6.900	6.900	(0.901)	360263	50.0000	51.439
55 Tetrachloroethene	164	6.912	6.912	(0.903)	214064	50.0000	51.942
56 2-Hexanone	43	6.971	6.971	(0.910)	317674	100.000	109.14
57 Dibromochloromethane	129	7.113	7.113	(0.929)	216380	50.0000	50.224
58 1,2-Dibromoethane	107	7.232	7.232	(0.944)	199379	50.0000	51.974
59 Chlorobenzene	112	7.681	7.681	(1.003)	738973	50.0000	51.435
60 1,1,1,2-Tetrachloroethane	131	7.752	7.752	(1.012)	253957	50.0000	52.570
61 Ethylbenzene	106	7.776	7.776	(1.015)	379469	50.0000	55.219
62 m + p-Xylene	106	7.894	7.894	(1.031)	962307	100.000	112.94
64 Xylene-o	106	8.273	8.273	(1.080)	450801	50.0000	56.799
65 Styrene	104	8.273	8.273	(1.080)	782699	50.0000	57.684
66 Bromoform	173	8.451	8.451	(1.104)	142806	50.0000	50.496
67 Isopropylbenzene	105	8.616	8.616	(1.125)	963024	50.0000	55.540
68 1,1,2,2-Tetrachloroethane	83	8.888	8.888	(0.898)	270686	50.0000	50.291
69 1,4-Dichloro-2-butene	53	8.936	8.936	(0.903)	80408	50.0000	54.061
70 1,2,3-Trichloropropane	110	8.936	8.936	(0.903)	91750	50.0000	50.987
71 Bromobenzene	156	8.912	8.912	(0.901)	308430	50.0000	51.927
72 n-Propylbenzene	120	9.019	9.019	(0.912)	311122	50.0000	55.892
73 2-Chlorotoluene	126	9.101	9.101	(0.920)	291281	50.0000	53.346
74 1,3,5-Trimethylbenzene	105	9.184	9.184	(0.928)	932576	50.0000	57.804
75 4-Chlorotoluene	126	9.208	9.208	(0.931)	318187	50.0000	54.414
76 tert-Butylbenzene	119	9.504	9.504	(0.961)	749998	50.0000	52.515
77 1,2,4-Trimethylbenzene	105	9.551	9.551	(0.965)	933969	50.0000	59.248
78 sec-Butylbenzene	105	9.717	9.717	(0.982)	1035654	50.0000	54.856
79 4-Isopropyltoluene	119	9.859	9.859	(0.996)	871759	50.0000	55.866

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8026.D
Report Date: 12-May-2005 14:14

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80 1,3-Dichlorobenzene	146	9.823	9.823	(0.993)	584011	50.0000	50.146
81 1,4-Dichlorobenzene	146	9.918	9.918	(1.002)	620473	50.0000	48.981
82 n-Butylbenzene	91	10.261	10.261	(1.037)	665370	50.0000	54.272
83 1,2-Dichlorobenzene	146	10.273	10.273	(1.038)	585996	50.0000	52.037
84 1,2-Dibromo-3-chloropropane	157	11.042	11.042	(1.116)	41427	50.0000	47.178
85 1,2,4-Trichlorobenzene	180	11.870	11.870	(1.200)	260272	50.0000	48.972
86 Hexachlorobutadiene	225	12.048	12.048	(1.218)	124535	50.0000	46.922
87 Naphthalene	128	12.119	12.119	(1.225)	423463	50.0000	51.030
88 1,2,3-Trichlorobenzene	180	12.355	12.355	(1.249)	255236	50.0000	51.580
98 Cyclohexane	56	4.534	4.534	(0.905)	318552	50.0000	52.606
143 Methyl Acetate	43	2.948	2.948	(0.589)	388893	100.000	100.66(A)
144 Methylcyclohexane	83	5.492	5.492	(1.097)	274634	50.0000	49.958(A)
141 1,3,5-Trichlorobenzene	180	11.267	11.267	(1.139)	346886	50.0000	49.336(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 12-MAY-2005 12:21
Client ID:
Sample Info: 50NG-IC
Purge Volume: 5.0
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Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide
-Acetonitrile+
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-Fluorobenzene
-1,2-Dichloroethane+
-Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
-Bromofluorobenzene
Isopropylbenzene
1,1,2,2-Tetrachloroethane+
2-Chlorotoluene+
n-Propylbenzene
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
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Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8027.D
Report Date: 12-May-2005 14:13

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8027.D
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Inj Date : 12-MAY-2005 12:46
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 100NG-IC
Misc Info : P50512A-IC,8260LLUX10,2-8260.SUB,1904,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
Meth Date : 12-May-2005 14:13 a3ux10.i Quant Type: ISTD
Cal Date : 29-APR-2005 01:28 Cal File: UXX7606.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.006	5.006	(1.000)	1091345	50.0000	
* 2 Chlorobenzene-d5	117	7.657	7.657	(1.000)	871462	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.893	9.893	(1.000)	484650	50.0000	
$ 4 Dibromofluoromethane	113	4.438	4.438	(0.887)	449915	100.000	102.59
$ 5 1,2-Dichloroethane-d4	65	4.722	4.722	(0.943)	511841	100.000	101.65
$ 6 Toluene-d8	98	6.355	6.355	(0.830)	1809051	100.000	106.67
$ 7 Bromofluorobenzene	95	8.757	8.757	(1.144)	671988	100.000	111.84
8 Dichlorodifluoromethane	85	1.480	1.480	(0.296)	317250	100.000	107.93
9 Chloromethane	50	1.622	1.622	(0.324)	669547	100.000	123.74
10 Vinyl Chloride	62	1.705	1.705	(0.341)	568728	100.000	105.00
11 Bromomethane	94	1.965	1.965	(0.393)	288982	100.000	92.940
12 Chloroethane	64	2.048	2.048	(0.409)	356402	100.000	93.708
13 Trichlorofluoromethane	101	2.249	2.249	(0.449)	701486	100.000	106.33
15 Acrolein	56	2.557	2.557	(0.511)	631836	1000.00	1201.4
16 Acetone	43	2.687	2.687	(0.537)	362643	200.000	152.65
17 1,1-Dichloroethene	96	2.652	2.652	(0.530)	387915	100.000	95.564
18 Freon-113	151	2.652	2.652	(0.530)	291513	100.000	93.220
19 Iodomethane	142	2.782	2.782	(0.556)	291749	100.000	96.759
20 Carbon Disulfide	76	2.853	2.853	(0.570)	1296824	100.000	92.688
21 Methylene Chloride	84	3.042	3.042	(0.608)	539796	100.000	75.884
22 Acetonitrile	41	2.900	2.900	(0.579)	673840	1000.00	1028.4
23 Acrylonitrile	53	3.220	3.220	(0.643)	1952999	1000.00	1157.6

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8027.D
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Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.255	3.255	(0.650)	1084507	100.000	111.01
25 trans-1,2-Dichloroethene	96	3.255	3.255	(0.650)	484411	100.000	105.22
26 Hexane	86	3.480	3.480	(0.695)	91370	100.000	110.72
27 Vinyl acetate	43	3.622	3.622	(0.723)	801784	100.000	122.68
28 1,1-Dichloroethane	63	3.586	3.586	(0.716)	868149	100.000	108.76
29 tert-Butyl Alcohol	59	3.113	3.113	(0.622)	751439	2000.00	2244.2(A)
30 2-Butanone	43	4.060	4.060	(0.811)	518702	200.000	229.49(A)
32 cis-1,2-dichloroethene	96	4.060	4.060	(0.811)	518834	100.000	107.28
33 2,2-Dichloropropane	77	4.060	4.060	(0.811)	559963	100.000	111.39
34 Bromochloromethane	128	4.249	4.249	(0.849)	262000	100.000	100.63
35 Chloroform	83	4.308	4.308	(0.861)	820081	100.000	102.82
36 Tetrahydrofuran	42	4.296	4.296	(0.858)	138746	100.000	109.24
37 1,1,1-Trichloroethane	97	4.474	4.474	(0.894)	647684	100.000	109.49
38 1,1-Dichloropropene	75	4.604	4.604	(0.920)	565000	100.000	111.95
39 Carbon Tetrachloride	117	4.616	4.616	(0.922)	555677	100.000	107.26
40 1,2-Dichloroethane	62	4.782	4.782	(0.955)	673952	100.000	109.00
41 Benzene	78	4.782	4.782	(0.955)	1942277	100.000	104.28
42 Trichloroethene	130	5.314	5.314	(1.061)	503665	100.000	101.80
43 1,2-Dichloropropane	63	5.492	5.492	(1.097)	498779	100.000	108.56
44 1,4-Dioxane	88	5.622	5.622	(1.123)	214734	5000.00	5509.2(A)
45 Dibromomethane	93	5.598	5.598	(1.118)	278757	100.000	104.56
46 Bromodichloromethane	83	5.716	5.716	(1.142)	597488	100.000	107.74
47 2-Chloroethyl vinyl ether	63	5.965	5.965	(1.191)	545279	200.000	258.31(A)
48 cis-1,3-Dichloropropene	75	6.107	6.107	(1.220)	696419	100.000	114.61
49 4-Methyl-2-pentanone	43	6.225	6.225	(1.243)	971616	200.000	270.30(A)
50 Toluene	91	6.414	6.414	(0.838)	2287448	100.000	112.32
51 trans-1,3-Dichloropropene	75	6.580	6.580	(0.859)	611961	100.000	112.66
52 Ethyl Methacrylate	69	6.663	6.663	(0.870)	602177	100.000	123.93
53 1,1,2-Trichloroethane	97	6.746	6.746	(0.881)	420133	100.000	100.24
54 1,3-Dichloropropane	76	6.900	6.900	(0.901)	740297	100.000	103.96
55 Tetrachloroethene	164	6.911	6.911	(0.903)	423018	100.000	97.628
56 2-Hexanone	43	6.971	6.971	(0.910)	685304	200.000	260.12(A)
57 Dibromochloromethane	129	7.113	7.113	(0.929)	451233	100.000	102.03
58 1,2-Dibromoethane	107	7.231	7.231	(0.944)	402374	100.000	102.65
59 Chlorobenzene	112	7.681	7.681	(1.003)	1524483	100.000	104.59
60 1,1,1,2-Tetrachloroethane	131	7.752	7.752	(1.012)	500148	100.000	100.24
61 Ethylbenzene	106	7.775	7.775	(1.015)	804688	100.000	115.84
62 m + p-Xylene	106	7.894	7.894	(1.031)	2006835	200.000	230.48(A)
64 Xylene-o	106	8.272	8.272	(1.080)	958447	100.000	118.12
65 Styrene	104	8.272	8.272	(1.080)	1645981	100.000	118.51
66 Bromoform	173	8.450	8.450	(1.104)	305586	100.000	101.24
67 Isopropylbenzene	105	8.615	8.615	(1.125)	2154307	100.000	122.51
68 1,1,2,2-Tetrachloroethane	83	8.888	8.888	(0.898)	539070	100.000	104.61
69 1,4-Dichloro-2-butene	53	8.935	8.935	(0.903)	171415	100.000	134.66
70 1,2,3-Trichloropropane	110	8.935	8.935	(0.903)	180197	100.000	104.78
71 Bromobenzene	156	8.911	8.911	(0.901)	635964	100.000	108.48
72 n-Propylbenzene	120	9.018	9.018	(0.911)	659047	100.000	121.79
73 2-Chlorotoluene	126	9.101	9.101	(0.920)	614017	100.000	116.43
74 1,3,5-Trimethylbenzene	105	9.183	9.183	(0.928)	1929447	100.000	124.38
75 4-Chlorotoluene	126	9.207	9.207	(0.931)	650232	100.000	114.71
76 tert-Butylbenzene	119	9.503	9.503	(0.961)	1804145	100.000	135.49
77 1,2,4-Trimethylbenzene	105	9.550	9.550	(0.965)	1896921	100.000	124.94
78 sec-Butylbenzene	105	9.716	9.716	(0.982)	2261845	100.000	123.11
79 4-Isopropyltoluene	119	9.858	9.858	(0.996)	1877053	100.000	122.22

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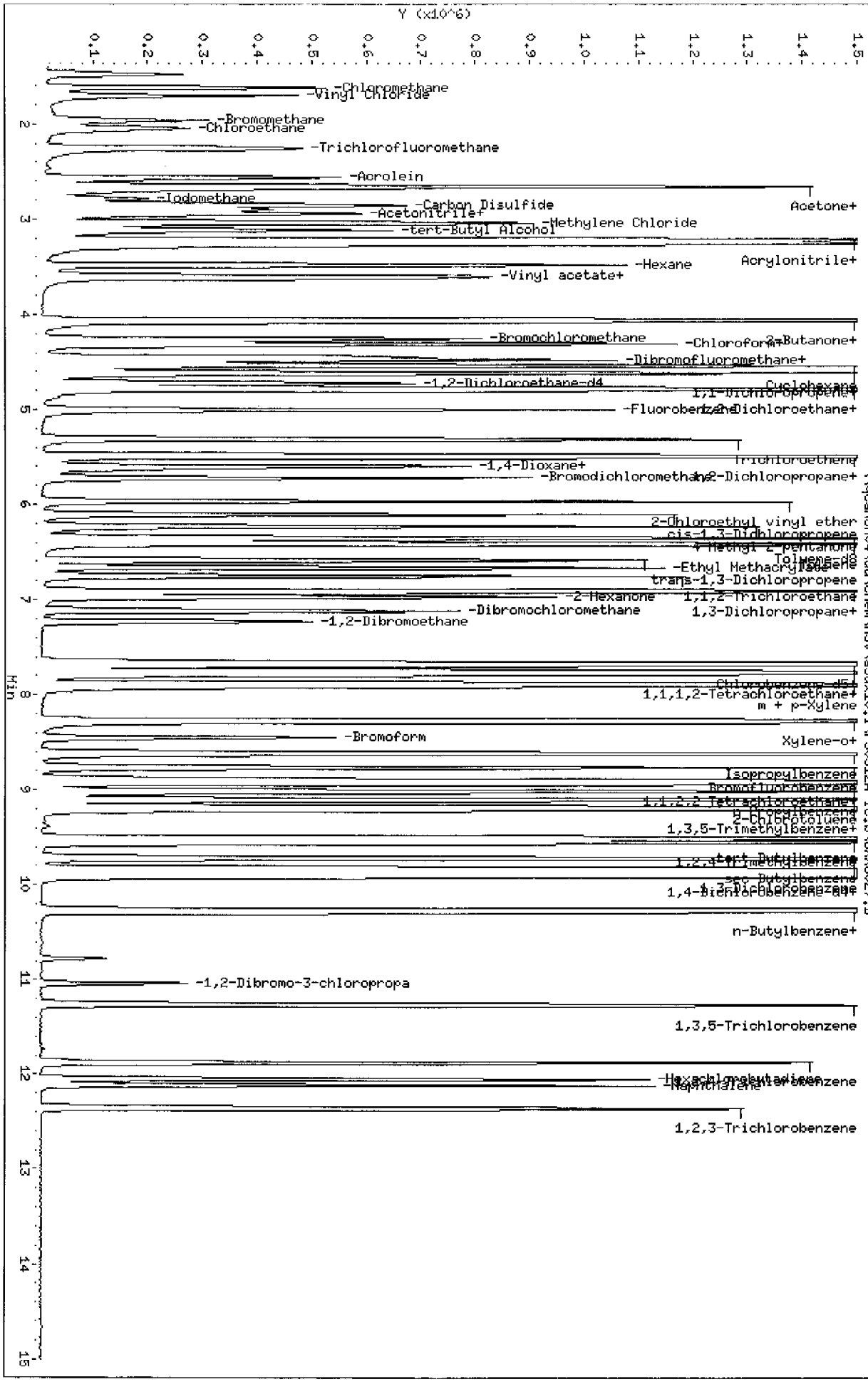
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80 1,3-Dichlorobenzene	146	9.822	9.822	(0.993)	1206274	100.000	104.65
81 1,4-Dichlorobenzene	146	9.917	9.917	(1.002)	1236991	100.000	98.385
82 n-Butylbenzene	91	10.260	10.260	(1.037)	1462049	100.000	120.01
83 1,2-Dichlorobenzene	146	10.284	10.284	(1.039)	1181753	100.000	105.90
84 1,2-Dibromo-3-chloropropane	157	11.041	11.041	(1.116)	88422	100.000	99.331
85 1,2,4-Trichlorobenzene	180	11.881	11.881	(1.201)	588884	100.000	104.11
86 Hexachlorobutadiene	225	12.047	12.047	(1.218)	262423	100.000	87.437
87 Naphthalene	128	12.118	12.118	(1.225)	1032876	100.000	120.68
88 1,2,3-Trichlorobenzene	180	12.366	12.366	(1.250)	549800	100.000	103.57
98 Cyclohexane	56	4.533	4.533	(0.905)	723971	100.000	130.75
143 Methyl Acetate	43	2.947	2.947	(0.589)	776127	200.000	208.97(A)
144 Methylcyclohexane	83	5.492	5.492	(1.097)	637949	100.000	116.91(A)
141 1,3,5-Trichlorobenzene	180	11.266	11.266	(1.139)	737284	100.000	100.52(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanon04\dd\chem\MSV\a3ux10.i\P505120-IC.b\UX8027.D
Date : 12-MAY-2005 12:46
Client ID:
Sample Info: 100NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Iodomethane
-Carbon Disulfide
-Acetonitrile+
-Methylene Chloride
-tert-Butyl Alcohol
Acetone+
Acrylonitrile+
-Hexane
-Vinyl acetate+
-Bromochloromethane
-Chloroform+
2-Butanone+
-Dibromofluoromethane+
-1,2-Dichloroethane-d4
Cyclohexane
1,1-Dichloropropene+
-Fluorobenzene
1,2-Dichloroethane+
Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene
4-Methyl 2-pentanone
Toluene-d8
-Ethyl Methacrylate
trans-1,3-Dichloropropene
-2-Hexanone
1,1,2-Trichloroethane
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
1,2-Dichlorobenzene
1,2,3-Trichlorobenzene
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Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8028.D
Report Date: 12-May-2005 14:13

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8028.D
Lab Smp Id: 200NG-IC
Inj Date : 12-MAY-2005 13:11
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 200NG-IC
Misc Info : P50512A-IC,8260LLUX10,2-8260.SUB,1904,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
Meth Date : 12-May-2005 14:13 a3ux10.i Quant Type: ISTD
Cal Date : 29-APR-2005 00:38 Cal File: UXX7604.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	4.995	4.995	(1.000)	1097028	50.0000	
* 2 Chlorobenzene-d5	117	7.657	7.657	(1.000)	890217	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.893	9.893	(1.000)	502234	50.0000	
$ 4 Dibromofluoromethane	113	4.438	4.438	(0.889)	883538	200.000	198.92
$ 5 1,2-Dichloroethane-d4	65	4.722	4.722	(0.946)	1078254	200.000	209.60(A)
$ 6 Toluene-d8	98	6.355	6.355	(0.830)	3654822	200.000	210.87(A)
$ 7 Bromofluorobenzene	95	8.757	8.757	(1.144)	1393657	200.000	224.70(A)
8 Dichlorodifluoromethane	85	1.480	1.480	(0.296)	597149	200.000	193.42
9 Chloromethane	50	1.610	1.610	(0.322)	1239511	200.000	216.50(A)
10 Vinyl Chloride	62	1.705	1.705	(0.341)	1092046	200.000	200.05(A)
11 Bromomethane	94	1.954	1.954	(0.391)	437160	200.000	144.63
12 Chloroethane	64	2.036	2.036	(0.408)	653204	200.000	175.23
13 Trichlorofluoromethane	101	2.249	2.249	(0.450)	1286132	200.000	189.08
15 Acrolein	56	2.557	2.557	(0.512)	1227423	2000.00	2179.8(A)
16 Acetone	43	2.687	2.687	(0.538)	631144	400.000	252.63(A)
17 1,1-Dichloroethene	96	2.663	2.663	(0.533)	751555	200.000	185.97
18 Freon-113	151	2.652	2.652	(0.531)	533694	200.000	169.68
19 Iodomethane	142	2.782	2.782	(0.557)	633825	200.000	229.87(A)
20 Carbon Disulfide	76	2.853	2.853	(0.571)	2536057	200.000	183.84
21 Methylene Chloride	84	3.042	3.042	(0.609)	1020366	200.000	144.08
22 Acetonitrile	41	2.900	2.900	(0.581)	1299387	2000.00	1920.0
23 Acrylonitrile	53	3.208	3.208	(0.642)	3843158	2000.00	2165.6(A)

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Report Date: 12-May-2005 14:13

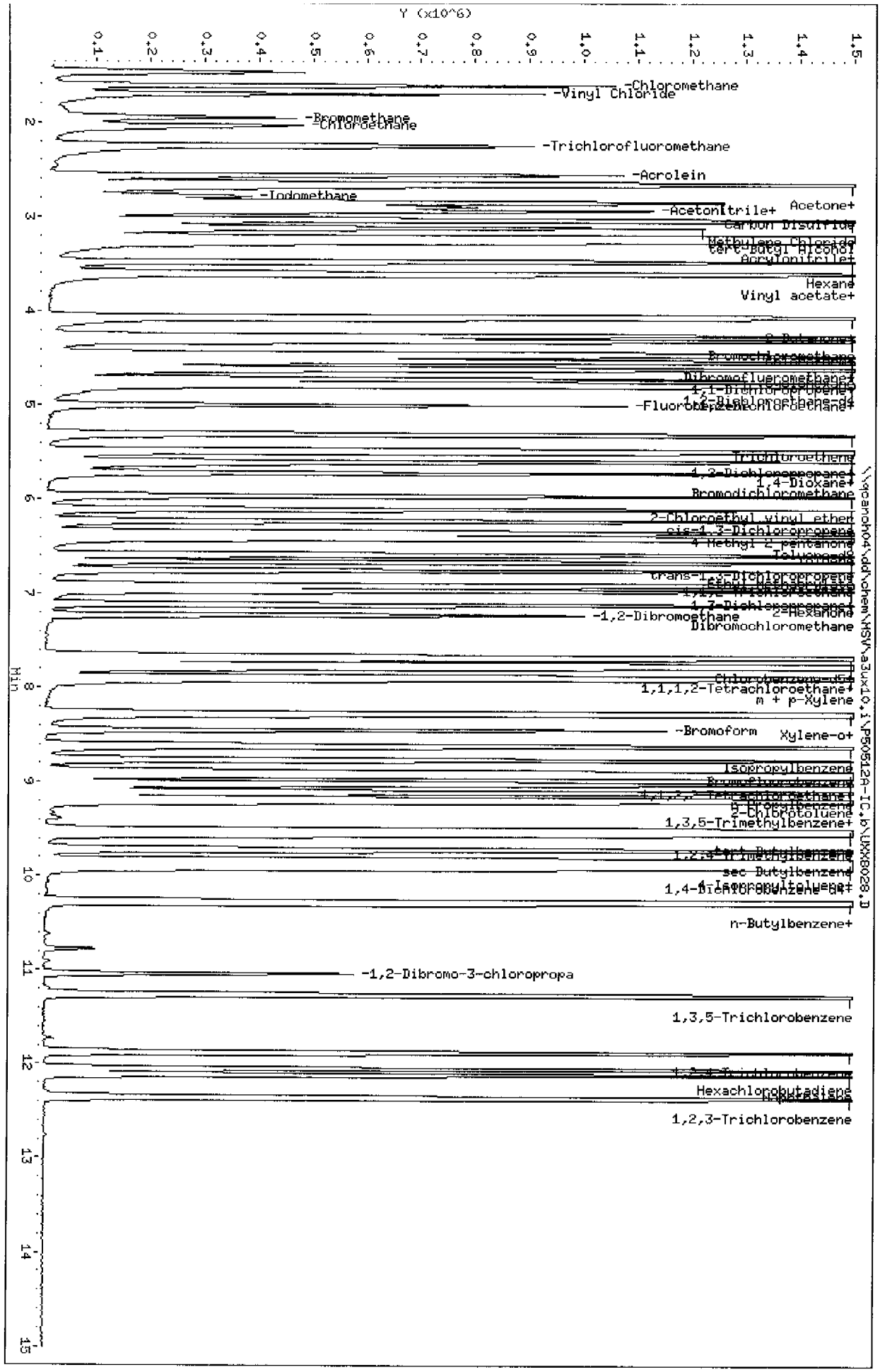
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.255	3.255	(0.652)	2218907	200.000	222.99(A)
25 trans-1,2-Dichloroethene	96	3.255	3.255	(0.652)	950666	200.000	202.83(A)
26 Hexane	86	3.480	3.480	(0.697)	176020	200.000	204.98(A)
27 Vinyl acetate	43	3.610	3.610	(0.723)	1667824	200.000	241.85(A)
28 1,1-Dichloroethane	63	3.586	3.586	(0.718)	1709750	200.000	206.87(A)
29 tert-Butyl Alcohol	59	3.113	3.113	(0.623)	1582673	4000.00	4621.7(A)
30 2-Butanone	43	4.060	4.060	(0.813)	991297	400.000	408.76(A)
32 cis-1,2-dichloroethene	96	4.060	4.060	(0.813)	1023306	200.000	208.37(A)
33 2,2-Dichloropropane	77	4.060	4.060	(0.813)	1117927	200.000	215.32(A)
34 Bromochloromethane	128	4.249	4.249	(0.851)	528068	200.000	200.47(A)
35 Chloroform	83	4.308	4.308	(0.863)	1602365	200.000	196.64
36 Tetrahydrofuran	42	4.296	4.296	(0.860)	286396	200.000	212.92(A)
37 1,1,1-Trichloroethane	97	4.474	4.474	(0.896)	1278232	200.000	208.91(A)
38 1,1-Dichloropropene	75	4.604	4.604	(0.922)	1109021	200.000	213.18(A)
39 Carbon Tetrachloride	117	4.616	4.616	(0.924)	1083723	200.000	202.77(A)
40 1,2-Dichloroethane	62	4.782	4.782	(0.957)	1316724	200.000	203.84(A)
41 Benzene	78	4.782	4.782	(0.957)	3862548	200.000	203.98(A)
42 Trichloroethene	130	5.314	5.314	(1.064)	1015459	200.000	202.44(A)
43 1,2-Dichloropropane	63	5.492	5.492	(1.099)	996324	200.000	210.79(A)
44 1,4-Dioxane	88	5.622	5.622	(1.126)	452272	10000.0	11683(A)
45 Dibromomethane	93	5.598	5.598	(1.121)	543764	200.000	199.55
46 Bromodichloromethane	83	5.716	5.716	(1.145)	1181169	200.000	207.94(A)
47 2-Chloroethyl vinyl ether	63	5.965	5.965	(1.194)	1132725	400.000	519.97(A)
48 cis-1,3-Dichloropropene	75	6.107	6.107	(1.223)	1432985	200.000	231.46(A)
49 4-Methyl-2-pentanone	43	6.225	6.225	(1.246)	1977102	400.000	511.72(A)
50 Toluene	91	6.414	6.414	(0.838)	4517638	200.000	213.78(A)
51 trans-1,3-Dichloropropene	75	6.580	6.580	(0.859)	1276326	200.000	228.18(A)
52 Ethyl Methacrylate	69	6.663	6.663	(0.870)	1261794	200.000	250.54(A)
53 1,1,2-Trichloroethane	97	6.746	6.746	(0.881)	818735	200.000	190.65
54 1,3-Dichloropropane	76	6.900	6.900	(0.901)	1466157	200.000	200.09(A)
55 Tetrachloroethene	164	6.911	6.911	(0.903)	842743	200.000	191.11
56 2-Hexanone	43	6.971	6.971	(0.910)	1394981	400.000	487.32(A)
57 Dibromochloromethane	129	7.113	7.113	(0.929)	901354	200.000	198.92
58 1,2-Dibromoethane	107	7.231	7.231	(0.944)	821943	200.000	205.17(A)
59 Chlorobenzene	112	7.681	7.681	(1.003)	3048687	200.000	202.84(A)
60 1,1,1,2-Tetrachloroethane	131	7.752	7.752	(1.012)	989535	200.000	193.90
61 Ethylbenzene	106	7.775	7.775	(1.015)	1610613	200.000	223.64(A)
62 m + p-Xylene	106	7.894	7.894	(1.031)	4010233	400.000	446.94(A)
64 Xylene-o	106	8.272	8.272	(1.080)	1954964	200.000	234.01(A)
65 Styrene	104	8.272	8.272	(1.080)	3383658	200.000	237.09(A)
66 Bromoform	173	8.450	8.450	(1.104)	621453	200.000	205.08(A)
67 Isopropylbenzene	105	8.615	8.615	(1.125)	4442182	200.000	243.90(A)
68 1,1,2,2-Tetrachloroethane	83	8.888	8.888	(0.898)	1076215	200.000	198.29
69 1,4-Dichloro-2-butene	53	8.935	8.935	(0.903)	349032	200.000	245.00(A)
70 1,2,3-Trichloropropane	110	8.935	8.935	(0.903)	364993	200.000	201.31(A)
71 Bromobenzene	156	8.911	8.911	(0.901)	1285659	200.000	210.20(A)
72 n-Propylbenzene	120	9.018	9.018	(0.911)	1330210	200.000	233.16(A)
73 2-Chlorotoluene	126	9.101	9.101	(0.920)	1233371	200.000	221.47(A)
74 1,3,5-Trimethylbenzene	105	9.183	9.183	(0.928)	3887959	200.000	236.48(A)
75 4-Chlorotoluene	126	9.207	9.207	(0.931)	1282344	200.000	214.34(A)
76 tert-Butylbenzene	119	9.503	9.503	(0.961)	3773819	200.000	263.10(A)
77 1,2,4-Trimethylbenzene	105	9.550	9.550	(0.965)	3881008	200.000	242.10(A)
78 sec-Butylbenzene	105	9.716	9.716	(0.982)	4587613	200.000	236.18(A)
79 4-Isopropyltoluene	119	9.858	9.858	(0.996)	3867371	200.000	240.07(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8028.D
Report Date: 12-May-2005 14:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80 1,3-Dichlorobenzene	146	9.822	9.822	(0.993)	2436615	200.000	202.81(A)
81 1,4-Dichlorobenzene	146	9.917	9.917	(1.002)	2475999	200.000	189.49
82 n-Butylbenzene	91	10.260	10.260	(1.037)	3090860	200.000	242.90(A)
83 1,2-Dichlorobenzene	146	10.284	10.284	(1.039)	2337718	200.000	200.83(A)
84 1,2-Dibromo-3-chloropropane	157	11.041	11.041	(1.116)	198626	200.000	220.20(A)
85 1,2,4-Trichlorobenzene	180	11.881	11.881	(1.201)	1312738	200.000	232.07(A)
86 Hexachlorobutadiene	225	12.047	12.047	(1.218)	522692	200.000	177.60
87 Naphthalene	128	12.118	12.118	(1.225)	2396286	200.000	279.93(A)
88 1,2,3-Trichlorobenzene	180	12.366	12.366	(1.250)	1180294	200.000	224.23(A)
98 Cyclohexane	56	4.533	4.533	(0.908)	1440572	200.000	240.43(A)
143 Methyl Acetate	43	2.947	2.947	(0.590)	1498958	400.000	389.12(A)
144 Methylcyclohexane	83	5.492	5.492	(1.099)	1267357	200.000	223.12(A)
141 1,3,5-Trichlorobenzene	180	11.266	11.266	(1.139)	1542671	200.000	207.16(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8028.D
Date : 12-MAY-2005 13:11
Client ID:
Sample Info: 200NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Iodomethane
-Acetonitrile+
Acetone+
Carbon Disulfide
Methylene Chloride
tert-Butyl Alcohol
Acrylonitrile+
Hexane
Vinyl acetate+
Bromochloromethane
Dibromofluoromethane+
-Fluorobenzene
Trichloroethene
1,4-Dioxane+
Bromodichloromethane
2-Chloroethyl vinyl ether
4 Methyl 2 pentanone
trans-1,3-Dichloropropene
2-Hexanone
-1,2-Dibromoethane
Dibromochloromethane
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
Isopropylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
sec Butylbenzene
4-Isopropyltoluene
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
Hexachlorobutadiene
1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8028.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8029.D
Report Date: 12-May-2005 14:24

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8029.D
Lab Smp Id: ICV
Inj Date : 12-MAY-2005 13:36
Operator : 1904 Inst ID: a3ux10.i
Smp Info : ICV
Misc Info : P50512A-IC,8260LLUX10,2-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
Meth Date : 12-May-2005 14:22 quayler Quant Type: ISTD
Cal Date : 29-APR-2005 01:03 Cal File: UXX7605.D
Als bottle: 7 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.006	5.008	(1.000)	1168253	50.0000	
* 2 Chlorobenzene-d5	117	7.657	7.658	(1.000)	901770	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.893	9.894	(1.000)	473793	50.0000	
$ 4 Dibromofluoromethane	113	4.438	4.439	(0.887)	230144	48.2565	9.651
$ 5 1,2-Dichloroethane-d4	65	4.722	4.723	(0.943)	272272	46.7522	9.350
$ 6 Toluene-d8	98	6.355	6.356	(0.830)	955958	54.5114	10.902
$ 7 Bromofluorobenzene	95	8.757	8.758	(1.144)	376459	59.0206	11.804(R)
8 Dichlorodifluoromethane	85	1.480	1.482	(0.296)	81137	23.7374	4.747
9 Chloromethane	50	1.622	1.624	(0.324)	242160	36.5253	7.305
10 Vinyl Chloride	62	1.705	1.706	(0.341)	226207	38.1710	7.634
11 Bromomethane	94	1.965	1.967	(0.393)	105475	33.8257	6.765
12 Chloroethane	64	2.048	2.049	(0.409)	158306	42.0512	8.410
13 Trichlorofluoromethane	101	2.249	2.251	(0.449)	329777	44.4504	8.890
15 Acrolein	56	2.557	2.558	(0.511)	172650	255.366	51.073
16 Acetone	43	2.687	2.688	(0.537)	103786	39.6411	7.928
17 1,1 Dichloroethene	96	2.663	2.665	(0.532)	183648	44.7974	8.959
18 Freon-113	151	2.652	2.665	(0.530)	167161	52.7573	10.551
19 Iodomethane	142	2.805	2.783	(0.560)	32347	13.9114	2.782
20 Carbon Disulfide	76	2.853	2.854	(0.570)	565264	40.8639	8.173
21 Methylene Chloride	84	3.042	3.043	(0.608)	258708	42.2438	8.449
22 Acetonitrile	41	2.900	2.901	(0.579)	332701	437.603	87.520
23 Acrylonitrile	53	3.220	3.221	(0.643)	964186	471.118	94.224

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8029.D
Report Date: 12-May-2005 14:24

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.255	3.256	(0.650)	539639	49.5163	9.903
	25 trans-1,2-Dichloroethene	96	3.255	3.256	(0.650)	232235	45.7738	9.155
	26 Hexane	86	3.480	3.481	(0.695)	52604	57.4073	11.481
	27 Vinyl acetate	43	3.480	3.623	(0.695)	201307	25.1193	5.024
	28 1,1-Dichloroethane	63	3.586	3.588	(0.716)	427956	46.1954	9.239
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.060	4.061	(0.811)	120753	42.2975	8.460
M	31 1,2-Dichloroethene (total)	96				476832	91.7369	18.347
	32 cis-1,2-dichloroethene	96	4.060	4.061	(0.811)	244597	45.9631	9.193
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.308	4.309	(0.861)	402068	44.7040	8.941
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.474	4.475	(0.894)	315550	46.5962	9.319
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.616	4.617	(0.922)	280734	47.8918	9.578
	40 1,2-Dichloroethane	62	4.782	4.783	(0.955)	325355	43.8559	8.771
	41 Benzene	78	4.782	4.783	(0.955)	933787	45.3366	9.067
	42 Trichloroethene	130	5.314	5.315	(1.061)	240307	44.9710	8.994
	43 1,2 Dichloropropane	63	5.491	5.493	(1.097)	248318	46.9230	9.384
	44 1,4-Dioxane	88	5.622	5.611	(1.123)	29369	799.498	159.90(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.716	5.718	(1.142)	274733	43.9004	8.780
	47 2-Chloroethyl vinyl ether	63	5.965	5.966	(1.191)	112262	46.2921	9.258
	48 cis-1,3-Dichloropropene	75	6.107	6.108	(1.220)	330434	49.0161	9.803
	49 4-Methyl-2-pentanone	43	6.225	6.226	(1.243)	214292	45.9619	9.192
	50 Toluene	91	6.414	6.416	(0.838)	1083963	49.2820	9.856
	51 trans-1,3-Dichloropropene	75	6.580	6.581	(0.859)	289030	49.6603	9.932
	52 Ethyl Methacrylate	69	6.663	6.664	(0.870)	3150	3.16511	0.6330
	53 1,1,2-Trichloroethane	97	6.746	6.747	(0.881)	201036	45.4995	9.100
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.911	6.913	(0.903)	212209	48.2061	9.641
	56 2-Hexanone	43	6.971	6.972	(0.910)	145591	44.7871	8.957
	57 Dibromochloromethane	129	7.113	7.114	(0.929)	209628	45.5020	9.100
	58 1,2-Dibromoethane	107	7.231	7.232	(0.944)	198775	48.2812	9.656
	59 Chlorobenzene	112	7.681	7.682	(1.003)	732107	47.0819	9.416
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.787	7.777	(1.017)	371127	49.5586	9.912
	62 m + p-Xylene	106	7.894	7.895	(1.031)	956807	103.282	20.656
M	63 Xylenes (total)	106				1404292	150.169	30.034
	64 Xylene-o	106	8.272	8.273	(1.080)	447485	46.8870	9.377
	65 Styrene	104	8.272	8.273	(1.080)	752285	45.7748	9.155
	66 Bromoform	173	8.450	8.451	(1.104)	140128	46.9995	9.400
	67 Isopropylbenzene	105	8.615	8.617	(1.125)	1035437	48.5920	9.718
	68 1,1,2,2-Tetrachloroethane	83	8.888	8.889	(0.898)	262555	49.6328	9.926
	69 1,4-Dichloro-2-butene	53	8.698	8.936	(0.879)	13056	8.54410	1.709
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	8.911	8.913	(0.901)	6443	1.11983	0.2240
	72 n-Propylbenzene	120	9.006	9.019	(0.910)	8308	3.56773	0.7135
	73 2-Chlorotoluene	126	9.100	9.102	(0.920)	6963	1.29891	0.2598
	74 1,3,5-Trimethylbenzene	105	9.183	9.185	(0.928)	31768	4.02666	0.8053
	75 4-Chlorotoluene	126	9.207	9.208	(0.931)	8622	1.49358	0.2987
	76 tert-Butylbenzene	119	9.503	9.504	(0.961)	26802	5.10232	1.020
	77 1,2,4-Trimethylbenzene	105	9.550	9.552	(0.965)	44934	4.98348	0.9967

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8029.D
Report Date: 12-May-2005 14:24

Compounds	QUANT STG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
78 sec-Butylbenzene	105	9.716	9.717	(0.982)	32465	3.94141	0.7883
79 4-Isopropyltoluene	119	9.858	9.859	(0.996)	28652	4.29151	0.8583
80 1,3-Dichlorobenzene	146	9.822	9.824	(0.993)	555391	49.0491	9.810
81 1,4-Dichlorobenzene	146	9.917	9.918	(1.002)	616414	49.8873	9.977
82 n-Butylbenzene	91	10.260	10.261	(1.037)	31831	4.92032	0.9841
83 1,2-Dichlorobenzene	146	10.284	10.273	(1.039)	535898	48.6617	9.732
84 1,2-Dibromo-3-chloropropane	157	11.041	11.042	(1.116)	45045	54.3072	10.861
85 1,2,4-Trichlorobenzene	180	11.881	11.871	(1.201)	253795	44.8411	8.968
86 Hexachlorobutadiene	225	12.047	12.048	(1.218)	13799	5.76368	1.153
87 Naphthalene	128	12.118	12.119	(1.225)	76575	13.4382	2.688
88 1,2,3-Trichlorobenzene	180	12.355	12.356	(1.249)	39911	9.93608	1.987
98 Cyclohexane	56	4.533	4.534	(0.905)	361131	51.8812	10.376
143 Methyl Acetate	43	2.947	2.949	(0.589)	182656	41.9775	8.395(A)
144 Methylcyclohexane	83	5.491	5.493	(1.097)	327195	53.5096	10.702(A)
141 1,3,5-Trichlorobenzene	180	11.266	11.267	(1.139)	28189	4.20417	0.8408(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8029.D
Report Date: 12-May-2005 14:24

STL North Canton

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: ICV
Level: LOW
Data Type: MS DATA
SpikeList File: plexus-ck.spk
Sublist File: 2-8260.SUB
Method File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\8260LLUX10.m
Misc Info: P50512A-IC,8260LLUX10,2-8260.SUB,1904,3

Client SDG: SDGa00932
Fraction: VOA

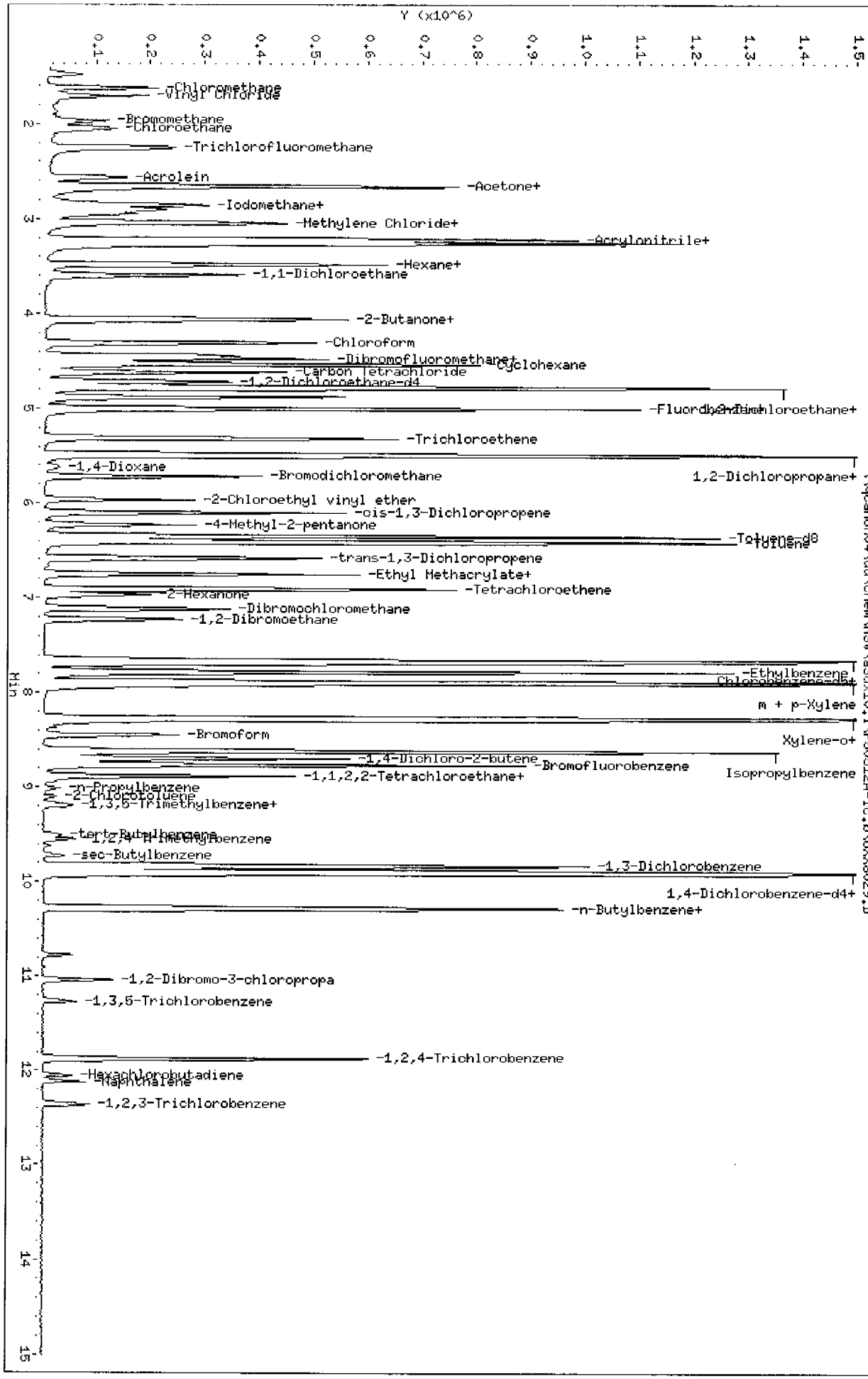
Operator: 1904
SampleType: METHSPIKE
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17 1,1-Dichloroethene	10.000	8.959	89.59	45-155
	42 Trichloroethene	10.000	8.994	89.94	45-155
	59 Chlorobenzene	10.000	9.416	94.16	45-155
	50 Toluene	10.000	9.856	98.56	45-155
	41 Benzene	10.000	9.067	90.67	45-155
	16 Acetone	10.000	7.928	79.28	45-155
	20 Carbon Disulfide	10.000	8.173	81.73	45-155
	9 Chloromethane	10.000	7.305	73.05	45-155
	11 Bromomethane	10.000	6.765	67.65	45-155
	10 Vinyl Chloride	10.000	7.634	76.34	45-155
	12 Chloroethane	10.000	8.410	84.10	45-155
	21 Methylene Chloride	10.000	8.449	84.49	45-155
	28 1,1-Dichloroethane	10.000	9.239	92.39	45-155
M	31 1,2-Dichloroethene	20.000	18.347	91.74	45-155
	35 Chloroform	10.000	8.941	89.41	45-155
	40 1,2-Dichloroethane	10.000	8.771	87.71	45-155
	30 2-Butanone	10.000	8.460	84.60	45-155
	37 1,1,1-Trichloroeth	10.000	9.319	93.19	45-155
	39 Carbon Tetrachlori	10.000	9.578	95.78	45-155
	46 Bromodichlorometha	10.000	8.780	87.80	45-155
	43 1,2-Dichloropropan	10.000	9.384	93.85	45-155
	48 cis-1,3-Dichloropr	10.000	9.803	98.03	45-155
	57 Dibromochlorometha	10.000	9.100	91.00	45-155
	53 1,1,2-Trichloroeth	10.000	9.100	91.00	45-155
	51 trans-1,3-Dichloro	10.000	9.932	99.32	45-155
	66 Bromoform	10.000	9.400	94.00	45-155
	49 4-Methyl-2-pentano	10.000	9.192	91.92	45-155
	56 2-Hexanone	10.000	8.957	89.57	45-155
	55 Tetrachloroethene	10.000	9.641	96.41	45-155
	68 1,1,2,2-Tetrachlor	10.000	9.926	99.27	45-155
	61 Ethylbenzene	10.000	9.912	99.12	45-155
	65 Styrene	10.000	9.155	91.55	45-155
	62 m + p-Xylene	20.000	20.656	103.28	45-155
M	63 Xylenes (total)	30.000	30.034	100.11	45-155
	64 Xylene-o	10.000	9.377	93.77	45-155
	32 cis-1,2-dichloroet	10.000	9.193	91.93	45-155
	25 trans-1,2-Dichloro	10.000	9.155	91.55	45-155
	8 Dichlorodifluorome	10.000	4.747	47.47	45-155
	13 Trichlorofluoromet	10.000	8.890	88.90	45-155
	18 Freon-113	10.000	10.551	105.51	45-155

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8029.D
Report Date: 12-May-2005 14:24

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
24 Methyl tert-butyl	10.000	9.903	99.03	45-155
58 1,2-Dibromoethane	10.000	9.656	96.56	45-155
67 Isopropylbenzene	10.000	9.718	97.18	45-155
80 1,3-Dichlorobenzen	10.000	9.810	98.10	45-155
81 1,4-Dichlorobenzen	10.000	9.977	99.77	45-155
83 1,2-Dichlorobenzen	10.000	9.732	97.32	45-155
84 1,2-Dibromo-3-chlo	10.000	10.861	108.61	45-155
85 1,2,4-Trichloroben	10.000	8.968	89.68	45-155
98 Cyclohexane	10.000	10.376	103.76	45-155
143 Methyl Acetate	10.000	8.395	83.95	45-155
144 Methylcyclohexane	10.000	10.702	107.02	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	9.651	96.51	73-122
$ 5 1,2-Dichloroethane	10.000	9.350	93.50	61-128
$ 6 Toluene-d8	10.000	10.902	109.02	76-110
$ 7 Bromofluorobenzene	10.000	11.804	118.04*	74-116


Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UX8029.D
Date : 12-MAY-2005 13:36
Client ID:
Sample Info: ICV
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-Fluorobenzene
-1,2-Dichloroethane+
-Trichloroethene
-1,4-Dioxane
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate+
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Ethylbenzene
Chlorobenzene-d5+
m + p-Xylene
-Bromoform
Xylene-o+
-1,4-Dichloro-2-butene
-Bromofluorobenzene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UX8029.D

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\8260LLUX10.m
Start Cal Date: 28-APR-2005 11:41
End Cal Date : 31-MAY-2005 12:56
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.00000		
17-MAY-2005 00:36	DIMETHOX	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50516B.b\UXX8140.D
31-MAY-2005 12:56	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50531A-IC.b\UXX8592.D
12-MAY-2005 11:06	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8023.D
Cal Level: 2 , Cal Amount: 10.00000		
17-MAY-2005 00:11	DIMETHOX	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50516B.b\UXX8139.D
31-MAY-2005 12:32	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50531A-IC.b\UXX8591.D
12-MAY-2005 11:31	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8024.D
Cal Level: 3 , Cal Amount: 25.00000		
16-MAY-2005 23:47	DIMETHOX	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50516B.b\UXX8138.D
31-MAY-2005 12:07	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50531A-IC.b\UXX8590.D
12-MAY-2005 11:56	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8025.D
Cal Level: 4 , Cal Amount: 50.00000		
16-MAY-2005 23:22	DIMETHOX	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50516B.b\UXX8137.D
31-MAY-2005 11:42	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50531A-IC.b\UXX8589.D
12-MAY-2005 12:21	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8026.D
Cal Level: 5 , Cal Amount: 100.00000		
16-MAY-2005 22:57	DIMETHOX	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50516B.b\UXX8136.D
31-MAY-2005 11:17	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50531A-IC.b\UXX8588.D

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|\\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8027.D                          |
+-----------------+-----------------+-----------------------------------------+

+-----------------+-----------------+-----------------------------------------+
| Cal Level: 6 , Cal Amount: 200.00000                                          |
+=================================================================================+
|16-MAY-2005 22:32 |DIMETHOX         |                                         |
|\\qcanoh04\dd\chem\MSV\a3ux10.i\P50516B.b\UXX8135.D                            |
|31-MAY-2005 10:52 |7-IX+            |                                         |
|\\qcanoh04\dd\chem\MSV\a3ux10.i\P50531A-IC.b\UXX8587.D                          |
|12-MAY-2005 13:11 |2-8260           |                                         |
|\\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\UXX8028.D                          |
+-----------------+-----------------+-----------------------------------------+


Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4
+-----------------+-----------------+-----------------------------------------+
|08-JUN-2005 21:17 |2-8260           |                                         |
|\\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8918.D                            |
|08-JUN-2005 21:42 |7-IX+            |                                         |
|\\QCANOH04\DD\chem\MSV\a3ux10.i\P50608B.b\UXX8919.D                            |
+-----------------+-----------------+-----------------------------------------+
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Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8918.D
Report Date: 09-Jun-2005 10:51

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i Injection Date: 08-JUN-2005 21:17
Lab File ID: UXX8918.D Init. Cal. Date(s): 28-APR-2005 31-MAY-2005
Analysis Type: WATER Init. Cal. Times: 11:41 12:56
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\8260LLUX10.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 4 Dibromofluoromethane	0.20412	0.20985	0.20985	0.010	-2.80681	50.00000	Averaged
$ 5 1,2-Dichloroethane-d4	0.24925	0.25387	0.25387	0.010	-1.85224	50.00000	Averaged
$ 6 Toluene-d8	0.97236	1.07271	1.07271	0.010	-10.32020	50.00000	Averaged
$ 7 Bromofluorobenzene	0.35366	0.37431	0.37431	0.010	-5.83896	50.00000	Averaged
8 Dichlorodifluoromethane	0.14629	0.14260	0.14260	0.010	2.52057	50.00000	Averaged
9 Chloromethane	0.28375	0.25813	0.25813	0.100	9.03025	50.00000	Averaged
10 Vinyl Chloride	0.25363	0.25449	0.25449	0.010	-0.33635	20.00000	Averaged
11 Bromomethane	0.13346	0.11630	0.11630	0.010	12.85650	50.00000	Averaged
12 Chloroethane	0.16112	0.16398	0.16398	0.010	-1.77599	50.00000	Averaged
13 Trichlorofluoromethane	0.31752	0.35882	0.35882	0.010	-13.00644	50.00000	Averaged
15 Acrolein	0.02894	0.02597	0.02597	0.010	10.26209	50.00000	Averaged
16 Acetone	100	74.11212	0.06890	0.010	25.88788	0.000e+000	Wt Linear
17 1,1-Dichloroethene	0.17546	0.19250	0.19250	0.010	-9.71727	20.00000	Averaged
18 Freon-113	0.13561	0.16080	0.16080	0.010	-18.57829	50.00000	Averaged
19 Iodomethane	50.00000	42.83139	0.10399	0.010	14.33721	0.000e+000	Quadratic
20 Carbon Disulfide	0.59203	0.62795	0.62795	0.010	-6.06658	50.00000	Averaged
21 Methylene Chloride	50.00000	48.47159	0.25012	0.010	3.05681	0.000e+000	Wt Linear
22 Acetonitrile	0.03254	0.02766	0.02766	0.010	14.98032	50.00000	Averaged
23 Acrylonitrile	0.08759	0.07942	0.07942	0.010	9.32760	50.00000	Averaged
24 Methyl tert-butyl ether	0.46643	0.48787	0.48787	0.010	-4.59578	50.00000	Averaged
25 trans-1,2-Dichloroethene	0.21714	0.24209	0.24209	0.010	-11.48892	50.00000	Averaged
26 Hexane	0.03922	0.04354	0.04354	0.010	-11.02730	20.00000	Averaged
27 Vinyl acetate	0.34299	0.36687	0.36687	0.010	-6.96187	50.00000	Averaged
28 1,1-Dichloroethane	0.39649	0.42713	0.42713	0.100	-7.72680	50.00000	Averaged
29 tert-Butyl Alcohol	0.01642	0.01559	0.01559	0.010	5.05984	50.00000	Averaged
30 2-Butanone	0.12218	0.10186	0.10186	0.010	16.63311	50.00000	Averaged
M 31 1,2-Dichloroethene (total)	0.22245	0.23924	0.23924	0.010	-7.54827	50.00000	Averaged
32 cis-1,2-dichloroethene	0.22776	0.23639	0.23639	0.010	-3.79131	50.00000	Averaged
33 2,2-Dichloropropane	0.24722	0.26645	0.26645	0.010	-7.77681	50.00000	Averaged
34 Bromochloromethane	0.12140	0.12172	0.12172	0.010	-0.26523	50.00000	Averaged
35 Chloroform	0.38493	0.39942	0.39942	0.010	-3.76243	20.00000	Averaged
36 Tetrahydrofuran	0.06780	0.05707	0.05707	0.010	15.82275	50.00000	Averaged
37 1,1,1-Trichloroethane	0.28984	0.33953	0.33953	0.010	-17.14585	50.00000	Averaged
38 1,1-Dichloropropene	0.24365	0.27995	0.27995	0.010	-14.89842	50.00000	Averaged
39 Carbon Tetrachloride	0.25088	0.29225	0.29225	0.010	-16.48840	50.00000	Averaged
40 1,2-Dichloroethane	0.31751	0.32463	0.32463	0.010	-2.24227	50.00000	Averaged
41 Benzene	0.88152	0.95565	0.95565	0.010	-8.40900	50.00000	Averaged
42 Trichloroethene	0.22870	0.23568	0.23568	0.010	-3.05046	50.00000	Averaged
43 1,2-Dichloropropane	0.22649	0.24695	0.24695	0.010	-9.03082	20.00000	Averaged
44 1,4-Dioxane	2500	2402	0.00175	0.010	3.90736	0.000e+000	Quadratic <-
45 Dibromomethane	0.12736	0.12416	0.12416	0.010	2.51689	50.00000	Averaged
46 Bromodichloromethane	0.26784	0.28694	0.28694	0.010	-7.13278	50.00000	Averaged
47 2-Chloroethyl vinyl ether	100	79.14922	0.08939	0.010	20.85078	0.000e+000	Quadratic

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Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8918.D
Report Date: 09-Jun-2005 10:51

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i Injection Date: 08-JUN-2005 21:17
Lab File ID: UXX8918.D Init. Cal. Date(s): 28-APR-2005 31-MAY-2005
Analysis Type: WATER Init. Cal. Times: 11:41 12:56
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\8260LLUX10.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
48 cis-1,3-Dichloropropene	0.28852	0.28301	0.28301	0.010	1.91054	50.00000	Averaged
49 4-Methyl-2-pentanone	0.19954	0.17589	0.17589	0.010	11.85322	50.00000	Averaged
50 Toluene	1.21955	1.36429	1.36429	0.010	-11.86849	20.00000	Averaged
51 trans-1,3-Dichloropropene	0.32271	0.32558	0.32558	0.010	-0.89084	50.00000	Averaged
52 Ethyl Methacrylate	50.00000	42.57498	0.28187	0.010	14.85004	0.000e+000	Wt Linear
53 1,1,2-Trichloroethane	0.24499	0.25980	0.25980	0.010	-6.04703	50.00000	Averaged
54 1,3-Dichloropropane	0.41765	0.43878	0.43878	0.010	-5.05959	50.00000	Averaged
55 Tetrachloroethene	0.24408	0.27129	0.27129	0.010	-11.14786	50.00000	Averaged
56 2-Hexanone	0.18024	0.15967	0.15967	0.010	11.41203	50.00000	Averaged
57 Dibromochloromethane	0.25544	0.26817	0.26817	0.010	-4.98412	50.00000	Averaged
58 1,2-Dibromoethane	0.22827	0.23284	0.23284	0.010	-1.99907	50.00000	Averaged
59 Chlorobenzene	0.86217	0.87846	0.87846	0.300	-1.88902	50.00000	Averaged
60 1,1,1,2-Tetrachloroethane	0.28948	0.30932	0.30932	0.010	-6.85105	50.00000	Averaged
61 Ethylbenzene	0.41522	0.43421	0.43421	0.010	-4.57382	20.00000	Averaged
62 m + p-Xylene	0.51366	0.58353	0.58353	0.010	-13.60303	50.00000	Averaged
M 63 Xylenes (total)	150	++++	0.56367	0.010	++++	0.000e+000	Wt Linear <-
64 Xylene-o	50.00000	49.38237	0.52396	0.010	1.23526	0.000e+000	Wt Linear
65 Styrene	50.00000	49.37077	0.90341	0.010	1.25846	0.000e+000	Wt Linear
66 Bromoform	0.16531	0.14789	0.14789	0.100	10.53859	50.00000	Averaged
67 Isopropylbenzene	50.00000	46.10548	1.08598	0.010	7.78904	0.000e+000	Wt Linear
68 1,1,2,2-Tetrachloroethane	0.55826	0.54424	0.54424	0.300	2.50971	50.00000	Averaged
69 1,4-Dichloro-2-butene	0.16126	0.09474	0.09474	0.010	41.24686	50.00000	Averaged
70 1,2,3-Trichloropropane	0.18626	0.17839	0.17839	0.010	4.22631	50.00000	Averaged
71 Bromobenzene	0.60718	0.65242	0.65242	0.010	-7.44992	50.00000	Averaged
72 n-Propylbenzene	50.00000	48.37626	0.62128	0.010	3.24748	0.000e+000	Wt Linear
73 2-Chlorotoluene	0.56572	0.62201	0.62201	0.010	-9.95069	50.00000	Averaged
74 1,3,5-Trimethylbenzene	50.00000	49.86941	1.88346	0.010	0.26118	0.000e+000	Wt Linear
75 4-Chlorotoluene	0.60920	0.66645	0.66645	0.010	-9.39675	50.00000	Averaged
76 tert-Butylbenzene	50.00000	39.97996	1.36472	0.010	20.04007	0.000e+000	Wt Linear
77 1,2,4-Trimethylbenzene	50.00000	49.96368	1.86966	0.010	0.07264	0.000e+000	Wt Linear
78 sec-Butylbenzene	50.00000	42.67429	1.86055	0.010	14.65142	0.000e+000	Wt Linear
79 4-Isopropyltoluene	50.00000	42.80092	1.55928	0.010	14.39815	0.000e+000	Wt Linear
80 1,3-Dichlorobenzene	1.19495	1.22675	1.22675	0.010	-2.66166	50.00000	Averaged
81 1,4-Dichlorobenzene	1.30396	1.27234	1.27234	0.010	2.42485	50.00000	Averaged
82 n-Butylbenzene	50.00000	37.40749	1.06262	0.010	25.18503	0.000e+000	Wt Linear
83 1,2-Dichlorobenzene	1.16219	1.18779	1.18779	0.010	-2.20295	50.00000	Averaged
84 1,2-Dibromo-3-chloropropane	0.08753	0.06694	0.06694	0.010	23.52312	50.00000	Averaged
85 1,2,4-Trichlorobenzene	50.00000	38.47341	0.45462	0.010	23.05317	0.000e+000	Wt Linear
86 Hexachlorobutadiene	0.25266	0.21126	0.21126	0.010	16.38425	50.00000	Averaged
87 Naphthalene	50.00000	40.35458	0.72547	0.010	19.29085	0.000e+000	Quadratic
88 1,2,3-Trichlorobenzene	50.00000	41.82439	0.45610	0.010	16.35123	0.000e+000	Wt Linear
98 Cyclohexane	0.29791	0.36630	0.36630	0.010	-22.95570	50.00000	Averaged
143 Methyl Acetate	0.18623	0.16334	0.16334	0.010	12.29193	50.00000	Averaged

|_____|_____|_____|_____|____|_____|_____|_____|

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8918.D
Report Date: 09-Jun-2005 10:51

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i Injection Date: 08-JUN-2005 21:17
Lab File ID: UXX8918.D Init. Cal. Date(s): 28-APR-2005 31-MAY-2005
Analysis Type: WATER Init. Cal. Times: 11:41 12:56
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\8260LLUX10.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
144 Methylcyclohexane	0.26170	0.28660	0.28660	0.010	-9.51177	50.00000	Averaged
141 1,3,5-Trichlorobenzene	0.70759	0.62055	0.62055	0.010	12.30051	50.00000	Averaged

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8918.D
Report Date: 09-Jun-2005 10:51

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8918.D
Lab Smp Id: 50NG-CC
Inj Date : 08-JUN-2005 21:17
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 50NG-CC
Misc Info : P50608A,8260LLUX10,2-8260.SUB,1904,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\8260LLUX10.m
Meth Date : 09-Jun-2005 10:51 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.008	5.008	(1.000)	1119869	50.0000	
* 2 Chlorobenzene-d5	117	7.659	7.659	(1.000)	829375	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.895	9.895	(1.000)	466790	50.0000	
$ 4 Dibromofluoromethane	113	4.440	4.440	(0.887)	234999	50.0000	51.403
$ 5 1,2-Dichloroethane-d4	65	4.724	4.724	(0.943)	284297	50.0000	50.926
$ 6 Toluene-d8	98	6.357	6.357	(0.830)	889676	50.0000	55.160
$ 7 Bromofluorobenzene	95	8.759	8.759	(1.144)	310445	50.0000	52.919
8 Dichlorodifluoromethane	85	1.482	1.482	(0.296)	159698	50.0000	48.740
9 Chloromethane	50	1.624	1.624	(0.324)	289072	50.0000	45.485
10 Vinyl Chloride	62	1.707	1.707	(0.341)	284991	50.0000	50.168
11 Bromomethane	94	1.967	1.967	(0.393)	130238	50.0000	43.572
12 Chloroethane	64	2.050	2.050	(0.409)	183639	50.0000	50.888
13 Trichlorofluoromethane	101	2.239	2.239	(0.447)	401835	50.0000	56.503
15 Acrolein	56	2.559	2.559	(0.511)	290790	500.000	448.69
16 Acetone	43	2.677	2.677	(0.535)	154324	100.000	74.112
17 1,1-Dichloroethene	96	2.653	2.653	(0.530)	215580	50.0000	54.859
18 Freon-113	151	2.653	2.653	(0.530)	180077	50.0000	59.289
19 Iodomethane	142	2.783	2.783	(0.556)	116455	50.0000	42.831
20 Carbon Disulfide	76	2.843	2.843	(0.568)	703219	50.0000	53.033

21 Methylene Chloride	84	3.032	3.032 (0.605)	280099	50.0000	48.472
22 Acetonitrile	41	2.902	2.902 (0.579)	309809	500.000	425.10
23 Acrylonitrile	53	3.209	3.209 (0.641)	889420	500.000	453.36

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8918.D
Report Date: 09-Jun-2005 10:51

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.257	3.257	(0.650)	546348	50.0000	52.298
25 trans-1,2-Dichloroethene	96	3.257	3.257	(0.650)	271108	50.0000	55.744
26 Hexane	86	3.482	3.482	(0.695)	48762	50.0000	55.514
27 Vinyl acetate	43	3.624	3.624	(0.724)	410848	50.0000	53.481
28 1,1-Dichloroethane	63	3.588	3.588	(0.716)	478327	50.0000	53.863
29 tert-Butyl Alcohol	59	3.115	3.115	(0.622)	349216	1000.00	949.40
30 2-Butanone	43	4.061	4.061	(0.811)	228143	100.000	83.367
32 cis-1,2-dichloroethene	96	4.061	4.061	(0.811)	264730	50.0000	51.896
33 2,2-Dichloropropane	77	4.061	4.061	(0.811)	298387	50.0000	53.888
34 Bromochloromethane	128	4.251	4.251	(0.849)	136313	50.0000	50.133
35 Chloroform	83	4.310	4.310	(0.861)	447295	50.0000	51.881
36 Tetrahydrofuran	42	4.298	4.298	(0.858)	63914	50.0000	42.089
37 1,1,1-Trichloroethane	97	4.475	4.475	(0.894)	380229	50.0000	58.573
38 1,1-Dichloropropene	75	4.606	4.606	(0.920)	313504	50.0000	57.449
39 Carbon Tetrachloride	117	4.617	4.617	(0.922)	327278	50.0000	58.244
40 1,2-Dichloroethane	62	4.783	4.783	(0.955)	363547	50.0000	51.121
41 Benzene	78	4.783	4.783	(0.955)	1070199	50.0000	54.204
42 Trichloroethene	130	5.316	5.316	(1.061)	263927	50.0000	51.525
43 1,2-Dichloropropane	63	5.493	5.493	(1.097)	276549	50.0000	54.515
44 1,4-Dioxane	88	5.611	5.611	(1.120)	98129	2500.00	2402.3(A)
45 Dibromomethane	93	5.600	5.600	(1.118)	139041	50.0000	48.742
46 Bromodichloromethane	83	5.718	5.718	(1.142)	321340	50.0000	53.566
47 2-Chloroethyl vinyl ether	63	5.966	5.966	(1.191)	200210	100.000	79.149
48 cis-1,3-Dichloropropene	75	6.108	6.108	(1.220)	316934	50.0000	49.045
49 4-Methyl-2-pentanone	43	6.227	6.227	(1.243)	393953	100.000	88.147
50 Toluene	91	6.416	6.416	(0.838)	1131512	50.0000	55.934
51 trans-1,3-Dichloropropene	75	6.582	6.582	(0.859)	270029	50.0000	50.445
52 Ethyl Methacrylate	69	6.665	6.665	(0.870)	233772	50.0000	42.575
53 1,1,2-Trichloroethane	97	6.747	6.747	(0.881)	215472	50.0000	53.024
54 1,3-Dichloropropane	76	6.901	6.901	(0.901)	363914	50.0000	52.530
55 Tetrachloroethene	164	6.913	6.913	(0.903)	225003	50.0000	55.574
56 2-Hexanone	43	6.972	6.972	(0.910)	264857	100.000	88.588
57 Dibromochloromethane	129	7.114	7.114	(0.929)	222417	50.0000	52.492
58 1,2-Dibromoethane	107	7.233	7.233	(0.944)	193110	50.0000	51.000
59 Chlorobenzene	112	7.682	7.682	(1.003)	728573	50.0000	50.944
60 1,1,1,2-Tetrachloroethane	131	7.753	7.753	(1.012)	256539	50.0000	53.426
61 Ethylbenzene	106	7.789	7.789	(1.017)	360124	50.0000	52.287
62 m + p-Xylene	106	7.895	7.895	(1.031)	967933	100.000	113.60
64 Xylene-o	106	8.274	8.274	(1.080)	434558	50.0000	49.382
65 Styrene	104	8.274	8.274	(1.080)	749269	50.0000	49.371
66 Bromoform	173	8.451	8.451	(1.104)	122657	50.0000	44.731
67 Isopropylbenzene	105	8.617	8.617	(1.125)	900686	50.0000	46.105
68 1,1,2,2-Tetrachloroethane	83	8.889	8.889	(0.898)	254048	50.0000	48.745
69 1,4-Dichloro-2-butene	53	8.936	8.936	(0.903)	44226	50.0000	29.376
70 1,2,3-Trichloropropane	110	8.936	8.936	(0.903)	83269	50.0000	47.887
71 Bromobenzene	156	8.913	8.913	(0.901)	304541	50.0000	53.725
72 n-Propylbenzene	120	9.019	9.019	(0.912)	290006	50.0000	48.376
73 2-Chlorotoluene	126	9.102	9.102	(0.920)	290348	50.0000	54.975
74 1,3,5-Trimethylbenzene	105	9.185	9.185	(0.928)	879180	50.0000	49.869
75 4-Chlorotoluene	126	9.209	9.209	(0.931)	311090	50.0000	54.698
76 tert-Butylbenzene	119	9.504	9.504	(0.961)	637036	50.0000	39.980
77 1,2,4-Trimethylbenzene	105	9.552	9.552	(0.965)	872740	50.0000	49.964

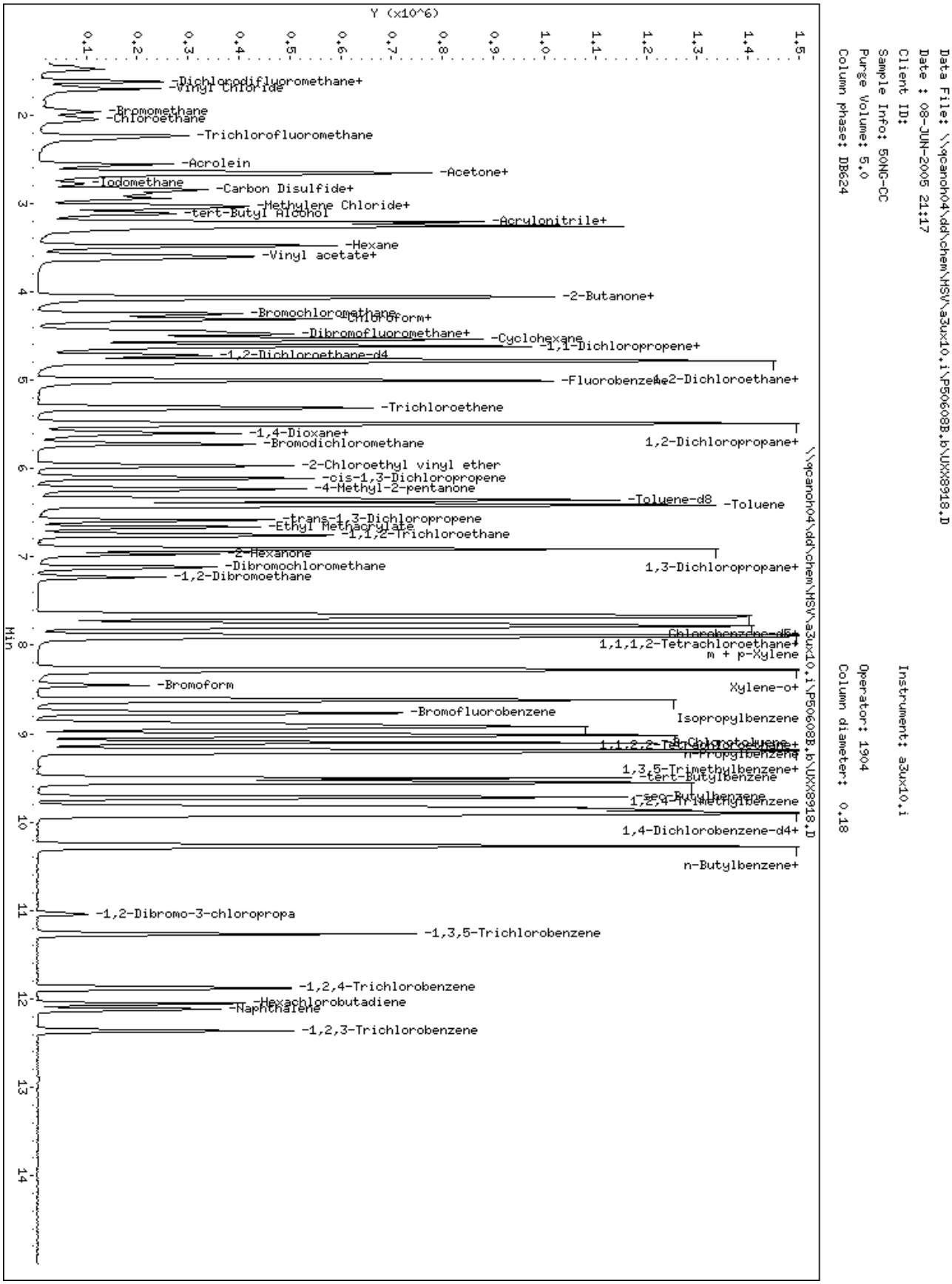
78 sec-Butylbenzene	105	9.717	9.717 (0.982)	868485	50.0000	42.674
79 4-Isopropyltoluene	119	9.859	9.859 (0.996)	727854	50.0000	42.801

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8918.D
Report Date: 09-Jun-2005 10:51

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80 1,3-Dichlorobenzene	146	9.824	9.824	(0.993)	572636	50.0000	51.331
81 1,4-Dichlorobenzene	146	9.919	9.919	(1.002)	593915	50.0000	48.788
82 n-Butylbenzene	91	10.262	10.262	(1.037)	496021	50.0000	37.407
83 1,2-Dichlorobenzene	146	10.285	10.285	(1.039)	554448	50.0000	51.101
84 1,2-Dibromo-3-chloropropane	157	11.043	11.043	(1.116)	31248	50.0000	38.238
85 1,2,4-Trichlorobenzene	180	11.883	11.883	(1.201)	212210	50.0000	38.473
86 Hexachlorobutadiene	225	12.060	12.060	(1.219)	98614	50.0000	41.808
87 Naphthalene	128	12.119	12.119	(1.225)	338644	50.0000	40.354
88 1,2,3-Trichlorobenzene	180	12.368	12.368	(1.250)	212904	50.0000	41.824
98 Cyclohexane	56	4.535	4.535	(0.905)	410208	50.0000	61.478
143 Methyl Acetate	43	2.937	2.937	(0.587)	365837	100.000	87.708(A)
144 Methylcyclohexane	83	5.493	5.493	(1.097)	320949	50.0000	54.756(A)
141 1,3,5-Trichlorobenzene	180	11.268	11.268	(1.139)	289667	50.0000	43.850(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8918.D
Date : 08-JUN-2005 21:17
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide+
-Methylene Chloride+
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-Fluorobenzene
1,2-Dichloroethane+
-Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
-Bromofluorobenzene
Isopropylbenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-sec-Butylbenzene
1,2,4-Trimethylbenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene

RAW QC DATA

STL North Canton

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527-IC.b\BFB215.D
Lab Smp Id: 50NG INJECTION OF B Client Smp ID: 50NG BFB
Inj Date : 27-MAY-2005 08:35
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 50NG INJECTION OF BFB
Misc Info : N50527-IC,BFBUX9,,1819
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50527-IC.b\BFBUX9.m
Meth Date : 03-Sep-2002 15:09 target Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 6 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.522	3.500	0.022	95	139904			100.00- 100.00	100.00
3.522	3.500	0.022	50	34760			15.00- 40.00	24.85
3.522	3.500	0.022	75	60320			30.00- 60.00	43.12
3.522	3.500	0.022	96	9077			5.00- 9.00	6.49
3.522	3.500	0.022	173	582			0.00- 2.00	0.57
3.522	3.500	0.022	174	102224			50.00- 120.00	73.07
3.522	3.500	0.022	175	7448			5.00- 9.00	7.29
3.522	3.500	0.022	176	100864			95.00- 101.00	98.67
3.522	3.500	0.022	177	6136			5.00- 9.00	6.08

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\BFB215.D

Page 1

Date : 27-MAY-2005 08:35

Client ID: 50NG BFB

Instrument: a3ux9.i

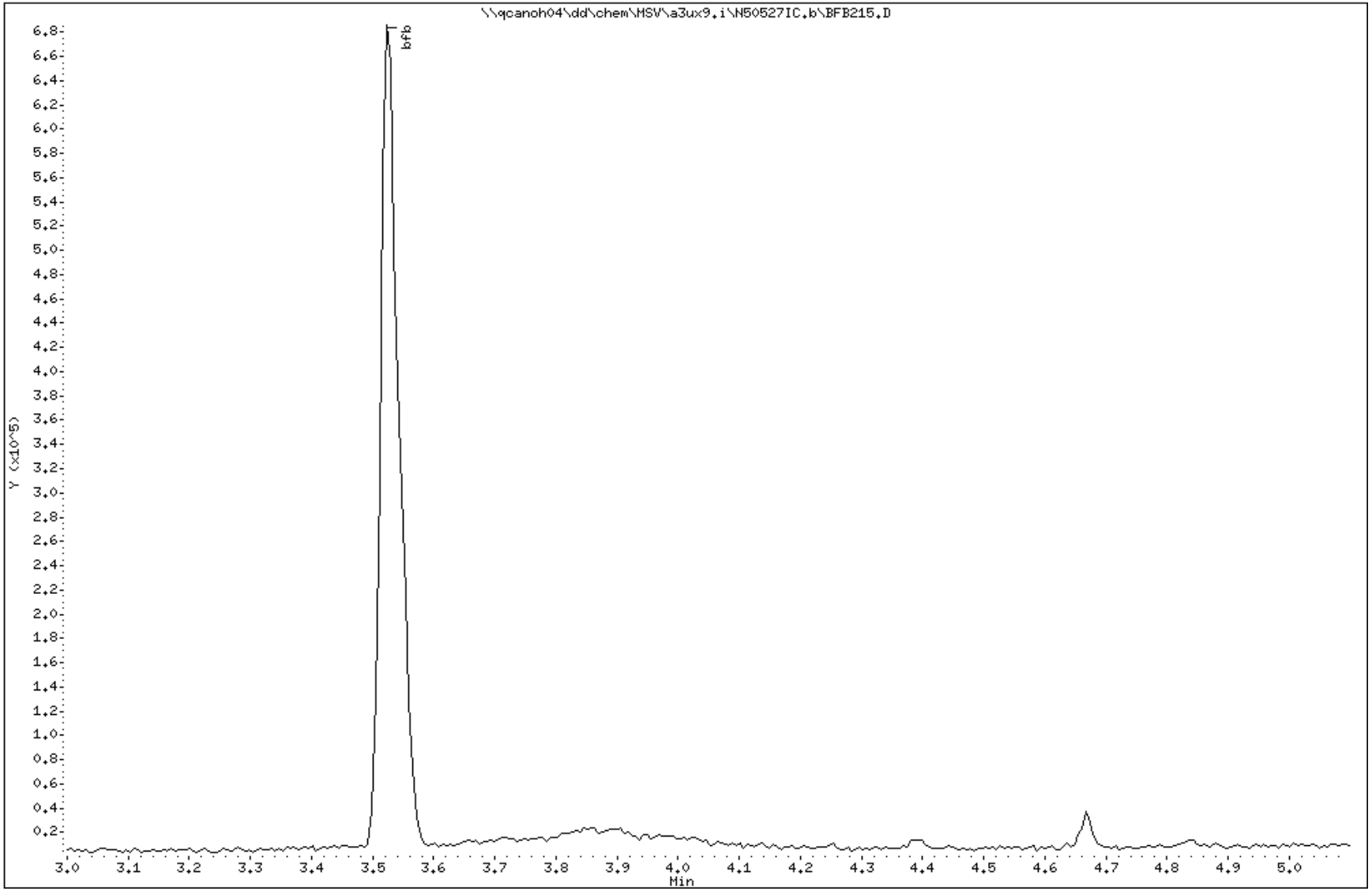
Sample Info: 50NG INJECTION OF BFB

Volume Injected (uL): 1.0

Operator: 1819

Column phase: DB624 75M

Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\BFB215.D Page 2

Date : 27-MAY-2005 08:35

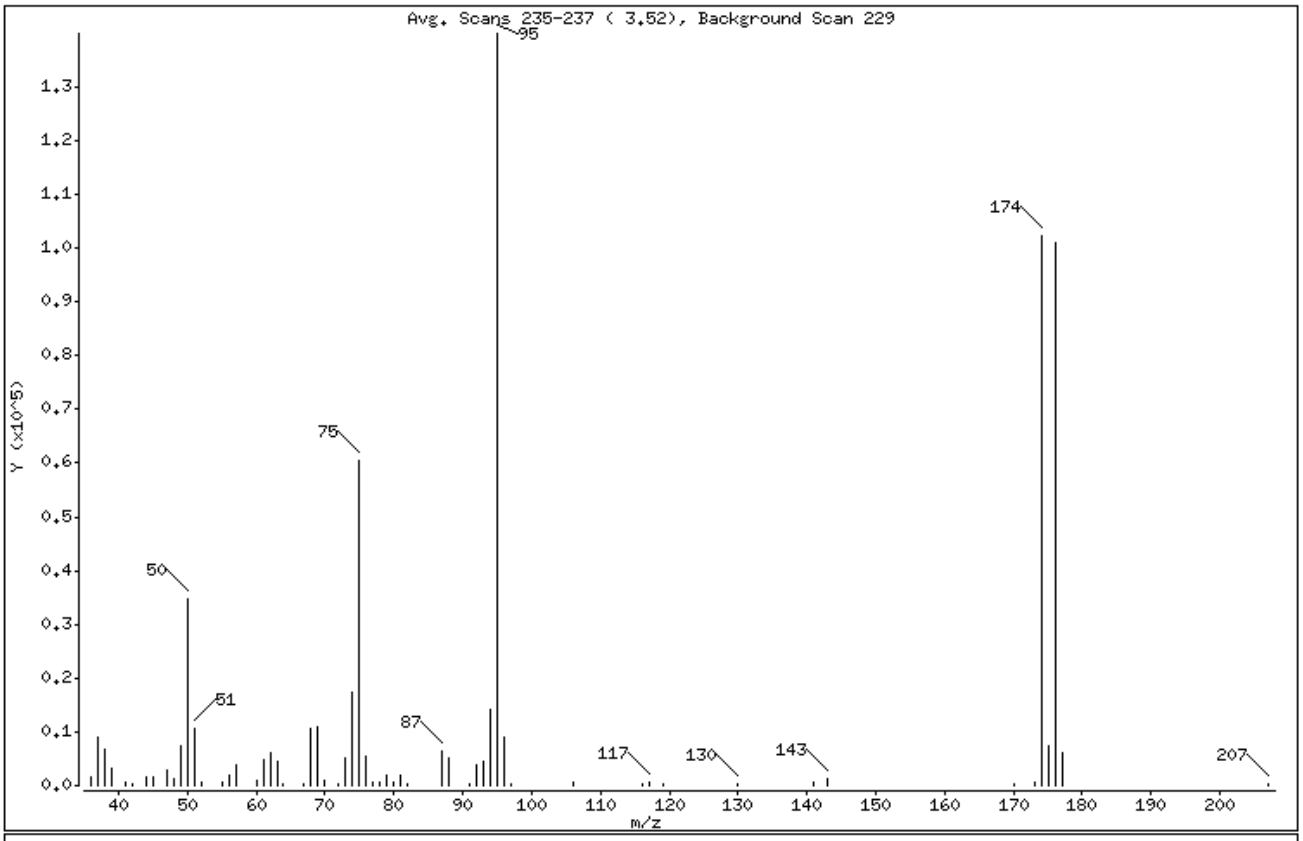
Client ID: 50NG BFB Instrument: a3ux9.i

Sample Info: 50NG INJECTION OF BFB

Volume Injected (uL): 1.0 Operator: 1819

Column phase: DB624 75M Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	24.85
75	30.00 - 60.00% of mass 95	43.12
96	5.00 - 9.00% of mass 95	6.49
173	Less than 2.00% of mass 174	0.42 (0.57)
174	50.00 - 120.00% of mass 95	73.07
175	5.00 - 9.00% of mass 174	5.32 (7.29)
176	95.00 - 101.00% of mass 174	72.10 (98.67)
177	5.00 - 9.00% of mass 176	4.39 (6.08)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50527IC.b\BFB215.D Page 3

Date : 27-MAY-2005 08:35

Client ID: 50NG BFB Instrument: a3ux9.i

Sample Info: 50NG INJECTION OF BFB

Volume Injected (uL): 1.0 Operator: 1819

Column phase: DB624 75M Column diameter: 0.53

Data File: BFB215.D
Spectrum: Avg. Scans 235-237 (3.52), Background Scan 229
Location of Maximum: 95.00
Number of points: 60

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1580	57.00	3860	78.00	499	117.00	705
37.00	8876	60.00	1033	79.00	1999	119.00	347
38.00	6713	61.00	4747	80.00	538	130.00	463
39.00	3312	62.00	5984	81.00	1924	141.00	597
41.00	508	63.00	4556	82.00	279	143.00	1168
42.00	204	64.00	354	87.00	6536	170.00	176
44.00	1576	67.00	248	88.00	5168	173.00	582
45.00	1720	68.00	10496	91.00	227	174.00	102224
47.00	2783	69.00	10923	92.00	3747	175.00	7448
48.00	1276	70.00	985	93.00	4413	176.00	100864
49.00	7500	72.00	361	94.00	14210	177.00	6136
50.00	34760	73.00	5095	95.00	139904	207.00	243
51.00	10701	74.00	17480	96.00	9077		
52.00	687	75.00	60320	97.00	348		
55.00	609	76.00	5359	106.00	640		
56.00	2079	77.00	745	116.00	196		

STL - North Canton

Data file : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50609B.b\BFB234.D
Lab Smp Id: 50ng bfb Client Smp ID: 50NG BFB
Inj Date : 09-JUN-2005 13:23
Operator : 1754 Inst ID: a3ux9.i
Smp Info :
Misc Info : N50609B,BFBUX9,,1754
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50609B.b\BFBUX9.m
Meth Date : 03-Sep-2002 15:09 target Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
3.536	3.500	0.036	95	48656			100.00- 100.00	100.00
3.536	3.500	0.036	50	12583			15.00- 40.00	25.86
3.536	3.500	0.036	75	20568			30.00- 60.00	42.27
3.536	3.500	0.036	96	3256			5.00- 9.00	6.69
3.536	3.500	0.036	173	0	0.0	0.0	0.00- 2.00	0.00
3.536	3.500	0.036	174	37080			50.00- 120.00	76.21
3.536	3.500	0.036	175	2782			5.00- 9.00	7.50
3.536	3.500	0.036	176	36896			95.00- 101.00	99.50
3.536	3.500	0.036	177	2463			5.00- 9.00	6.68

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\BFB234.D

Page 1

Date : 09-JUN-2005 13:23

Client ID: 50NG BFB

Instrument: a3ux9.i

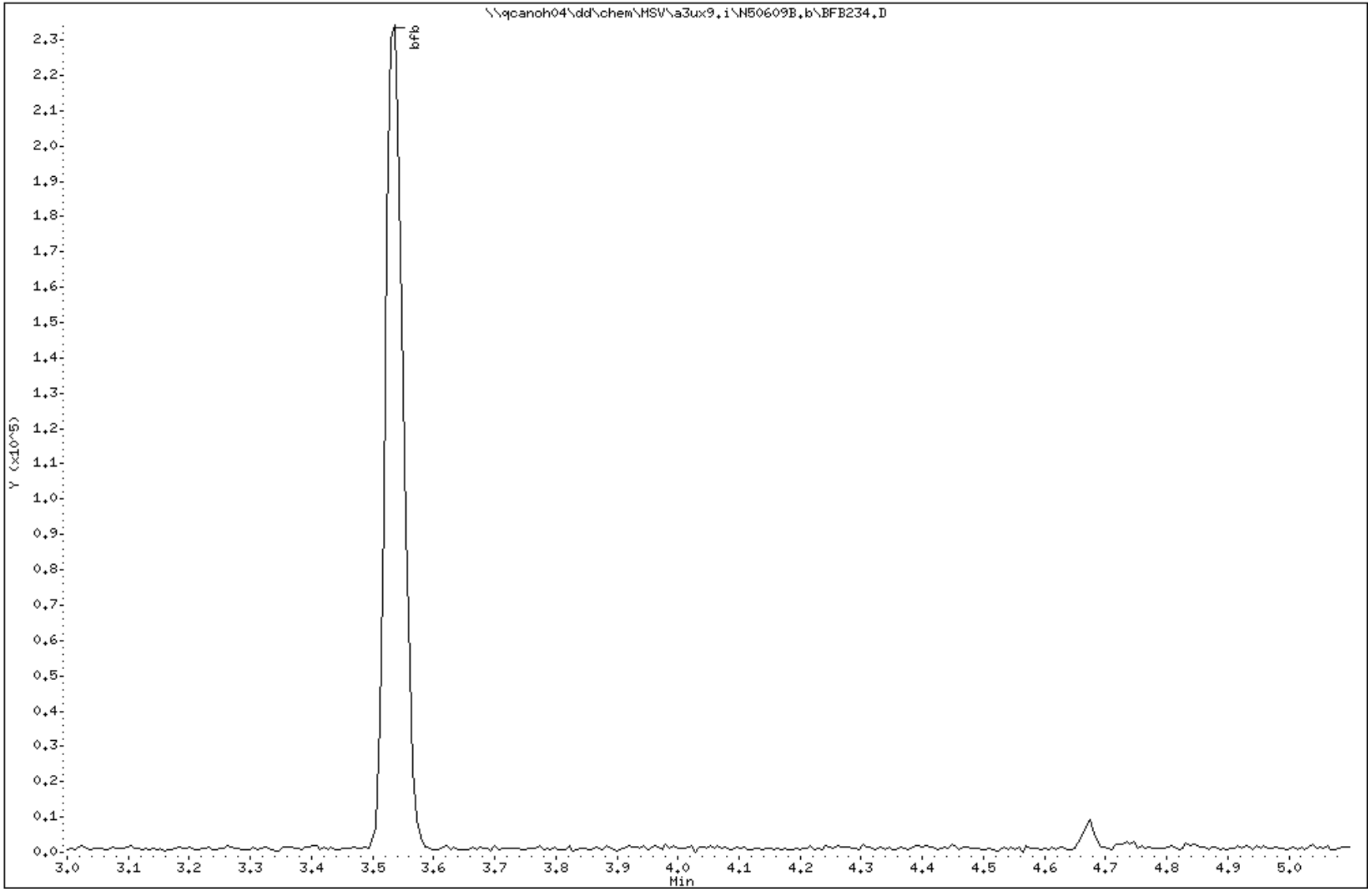
Sample Info:

Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 75M

Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\BFB234.D Page 2

Date : 09-JUN-2005 13:23

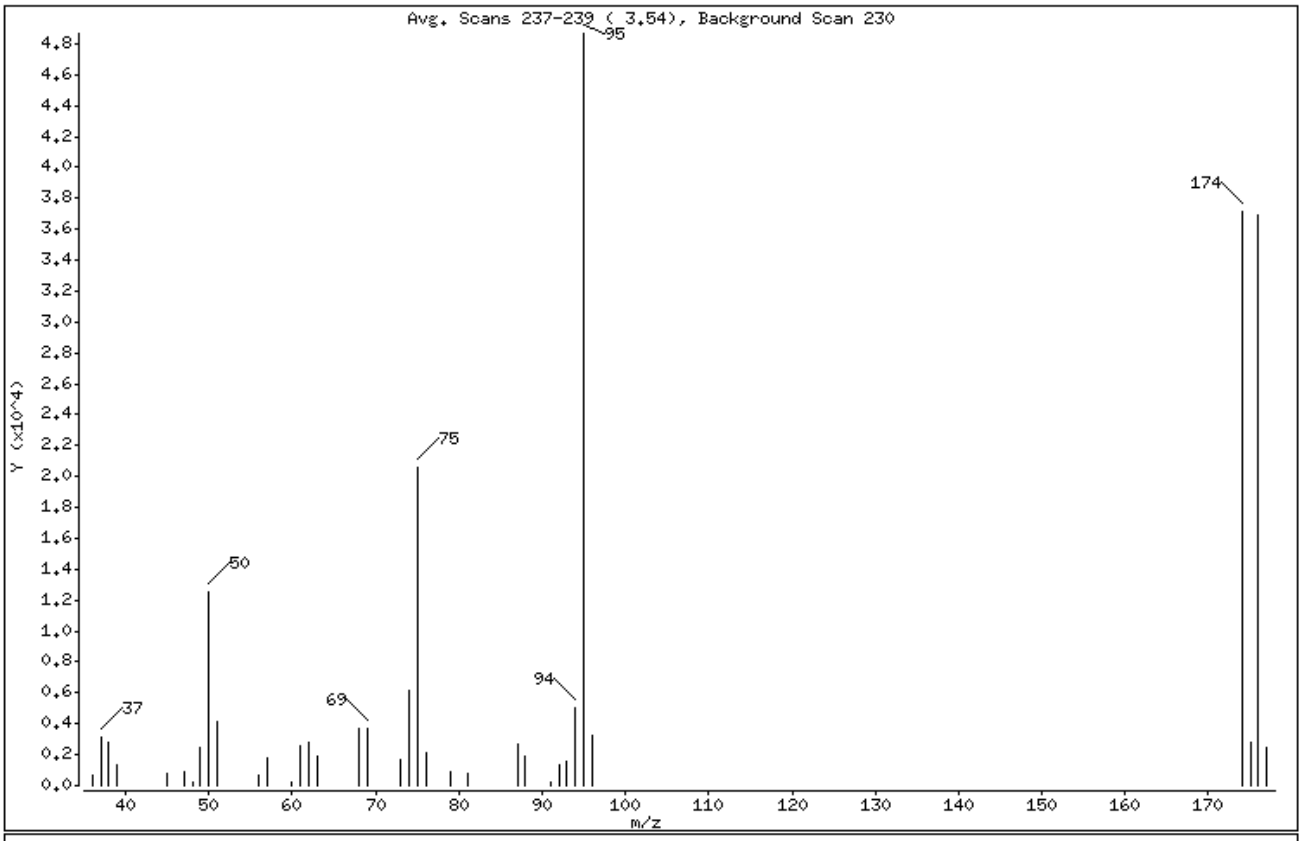
Client ID: 50NG BFB Instrument: a3ux9.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 1754

Column phase: DB624 75M Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	25.86
75	30.00 - 60.00% of mass 95	42.27
96	5.00 - 9.00% of mass 95	6.69
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	76.21
175	5.00 - 9.00% of mass 174	5.72 (7.50)
176	95.00 - 101.00% of mass 174	75.83 (99.50)
177	5.00 - 9.00% of mass 176	5.06 (6.68)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\BFB234.D

Date : 09-JUN-2005 13:23

Client ID: 50NG BFB Instrument: a3ux9.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 1754

Column phase: DB624 75M Column diameter: 0.53

Data File: BFB234.D
Spectrum: Avg. Scans 237-239 (3.54), Background Scan 230
Location of Maximum: 95.00
Number of points: 36

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	628	56.00	633	75.00	20568	95.00	48656
37.00	3162	57.00	1772	76.00	2101	96.00	3256
38.00	2831	60.00	194	79.00	873	174.00	37080
39.00	1348	61.00	2520	81.00	771	175.00	2782
45.00	837	62.00	2801	87.00	2702	176.00	36896
47.00	840	63.00	1893	88.00	1931	177.00	2463
48.00	266	68.00	3654	91.00	172		
49.00	2505	69.00	3684	92.00	1351		
50.00	12583	73.00	1626	93.00	1522		
51.00	4156	74.00	6192	94.00	5006		

STL - North Canton

Data file : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50512A-IC.b\BFB1659.D
Lab Smp Id: 50ng bfb Client Smp ID: 50NG BFB
Inj Date : 12-MAY-2005 10:44
Operator : 1904 Inst ID: a3ux10.i
Smp Info :
Misc Info : P50512A-IC,BFBUX10,,1904
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50512A-IC.b\BFBUX10.m
Meth Date : 22-Dec-2003 12:41 Quant Type: ESTD
Cal Date : 01-MAR-2000 19:29 Cal File: uxx0287.d
Als bottle: 6 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.522	3.590	-0.068	95	111760			100.00- 100.00	100.00
3.522	3.590	-0.068	50	23152			15.00- 40.00	20.72
3.522	3.590	-0.068	75	52544			30.00- 60.00	47.02
3.522	3.590	-0.068	96	7221			5.00- 9.00	6.46
3.522	3.590	-0.068	173	518			0.00- 2.00	0.53
3.522	3.590	-0.068	174	97256			50.00- 100.00	87.02
3.522	3.590	-0.068	175	6614			5.00- 9.00	6.80
3.522	3.590	-0.068	176	93704			95.00- 101.00	96.35
3.522	3.590	-0.068	177	5939			5.00- 9.00	6.34

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\BFB1659.D

Page 1

Date : 12-MAY-2005 10:44

Client ID: 50NG BFB

Instrument: a3ux10.i

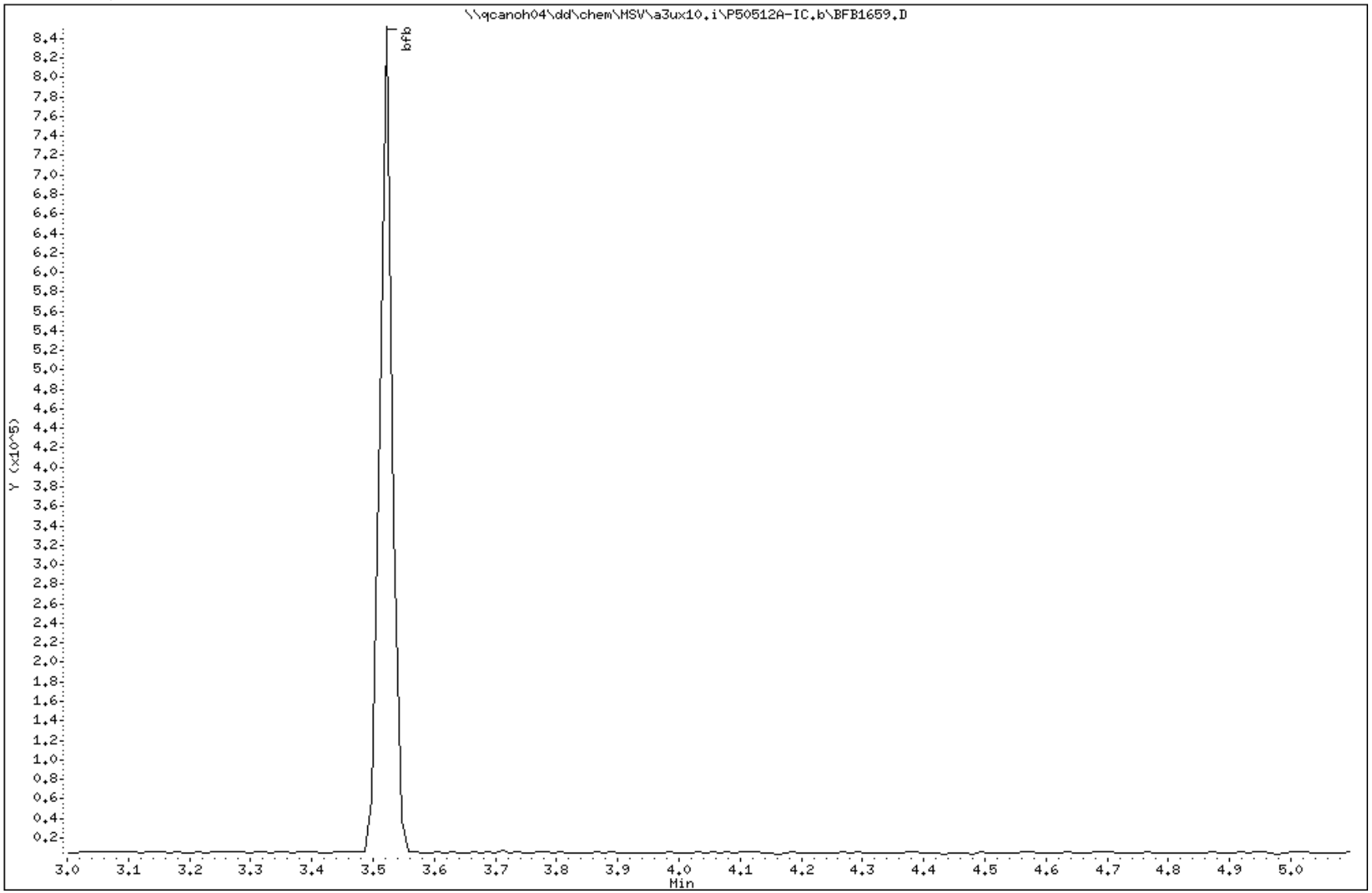
Sample Info:

Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\BFB1659.D

Date : 12-MAY-2005 10:44

Client ID: 50NG BFB

Instrument: a3ux10.i

Sample Info:

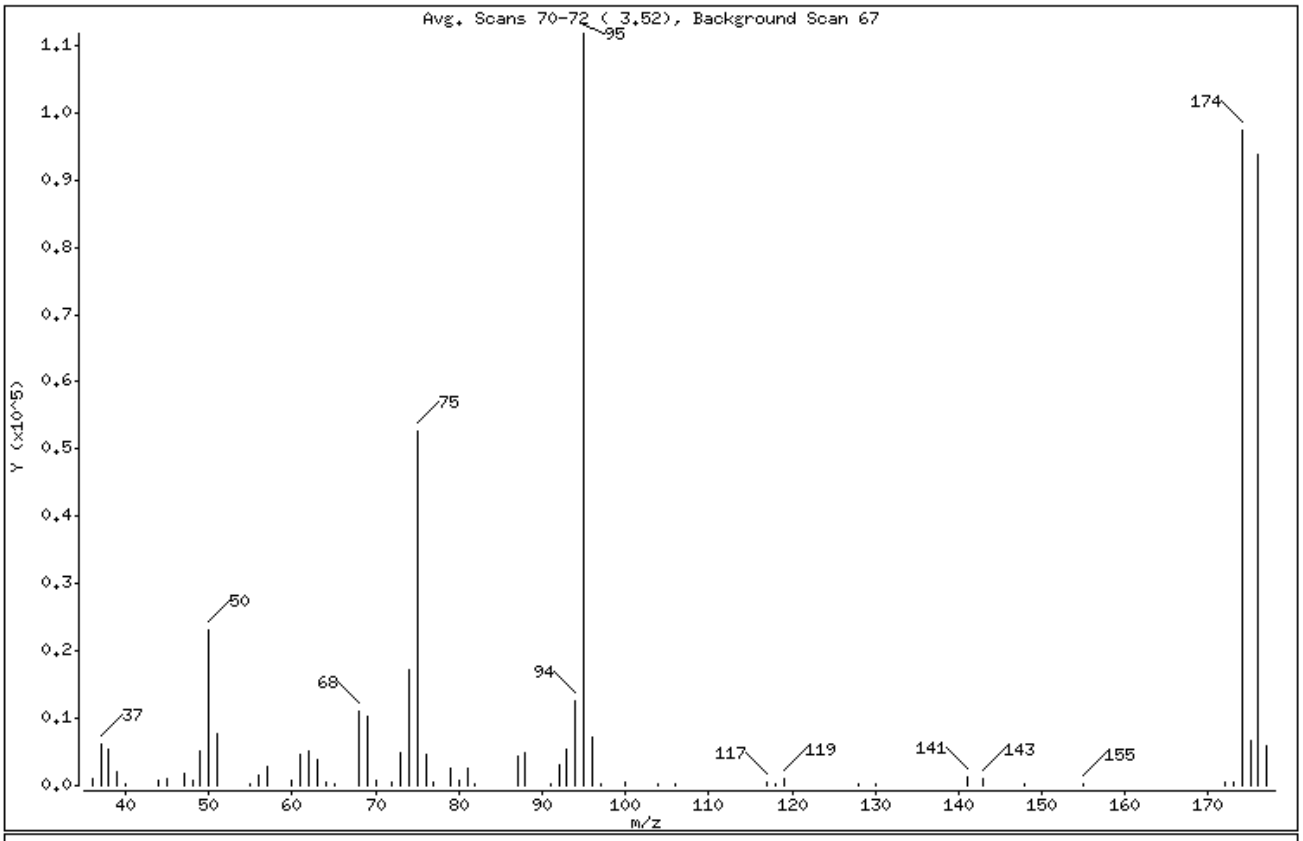
Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.72
75	30.00 - 60.00% of mass 95	47.02
96	5.00 - 9.00% of mass 95	6.46
173	Less than 2.00% of mass 174	0.46 (0.53)
174	50.00 - 100.00% of mass 95	87.02
175	5.00 - 9.00% of mass 174	5.92 (6.80)
176	95.00 - 101.00% of mass 174	83.84 (96.35)
177	5.00 - 9.00% of mass 176	5.31 (6.34)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50512A-IC.b\BFB1659.D Page 3

Date : 12-MAY-2005 10:44

Client ID: 50NG BFB Instrument: a3ux10.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 1904

Column phase: DB624 20M Column diameter: 0.18

Data File: BFB1659.D
Spectrum: Avg. Scans 70-72 (3.52), Background Scan 67
Location of Maximum: 95.00
Number of points: 61

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1055	61.00	4720	81.00	2645	119.00	1100
37.00	6240	62.00	5060	82.00	306	128.00	205
38.00	5358	63.00	3967	87.00	4413	130.00	292
39.00	1947	64.00	584	88.00	4887	141.00	1241
40.00	321	65.00	208	91.00	223	143.00	1107
44.00	799	68.00	11175	92.00	3039	148.00	194
45.00	1006	69.00	10379	93.00	5275	155.00	297
47.00	1906	70.00	888	94.00	12478	172.00	476
48.00	761	72.00	634	95.00	111760	173.00	518
49.00	5155	73.00	4852	96.00	7221	174.00	97256
50.00	23152	74.00	17136	97.00	236	175.00	6614
51.00	7813	75.00	52544	100.00	443	176.00	93704
55.00	209	76.00	4521	104.00	199	177.00	5939
56.00	1508	77.00	517	106.00	300		
57.00	2796	79.00	2497	117.00	600		
60.00	849	80.00	667	118.00	183		

STL North Canton

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\BFB1692.D
Lab Smp Id: 50ng bfb Client Smp ID: 50NG BFB
Inj Date : 08-JUN-2005 20:54
Operator : 1904 Inst ID: a3ux10.i
Smp Info :
Misc Info : P50608B,BFBUX10,,1904
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50608B.b\BFBUX10.m
Meth Date : 22-Dec-2003 12:41 Quant Type: ESTD
Cal Date : 01-MAR-2000 19:29 Cal File: uxx0287.d
Als bottle: 28 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.533	3.590	-0.057	95	156032			100.00- 100.00	100.00
3.533	3.590	-0.057	50	31040			15.00- 40.00	19.89
3.533	3.590	-0.057	75	71952			30.00- 60.00	46.11
3.533	3.590	-0.057	96	11044			5.00- 9.00	7.08
3.533	3.590	-0.057	173	654			0.00- 2.00	0.52
3.533	3.590	-0.057	174	125168			50.00- 100.00	80.22
3.533	3.590	-0.057	175	8608			5.00- 9.00	6.88
3.533	3.590	-0.057	176	120744			95.00- 101.00	96.47
3.533	3.590	-0.057	177	7505			5.00- 9.00	6.22

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\BFB1692.D

Page 1

Date : 08-JUN-2005 20:54

Client ID: 50NG BFB

Instrument: a3ux10.i

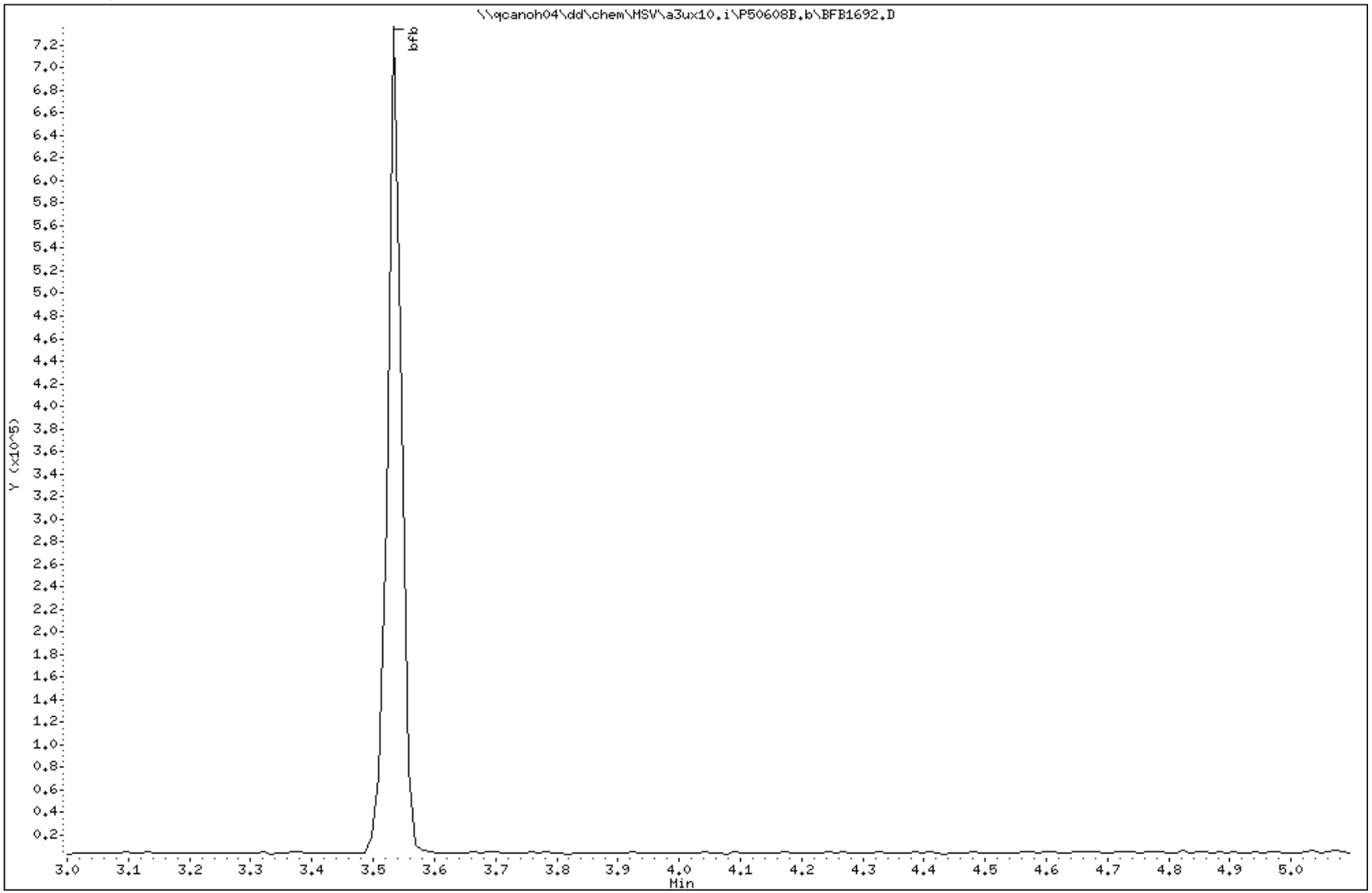
Sample Info:

Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\BFB1692.D

Date : 08-JUN-2005 20:54

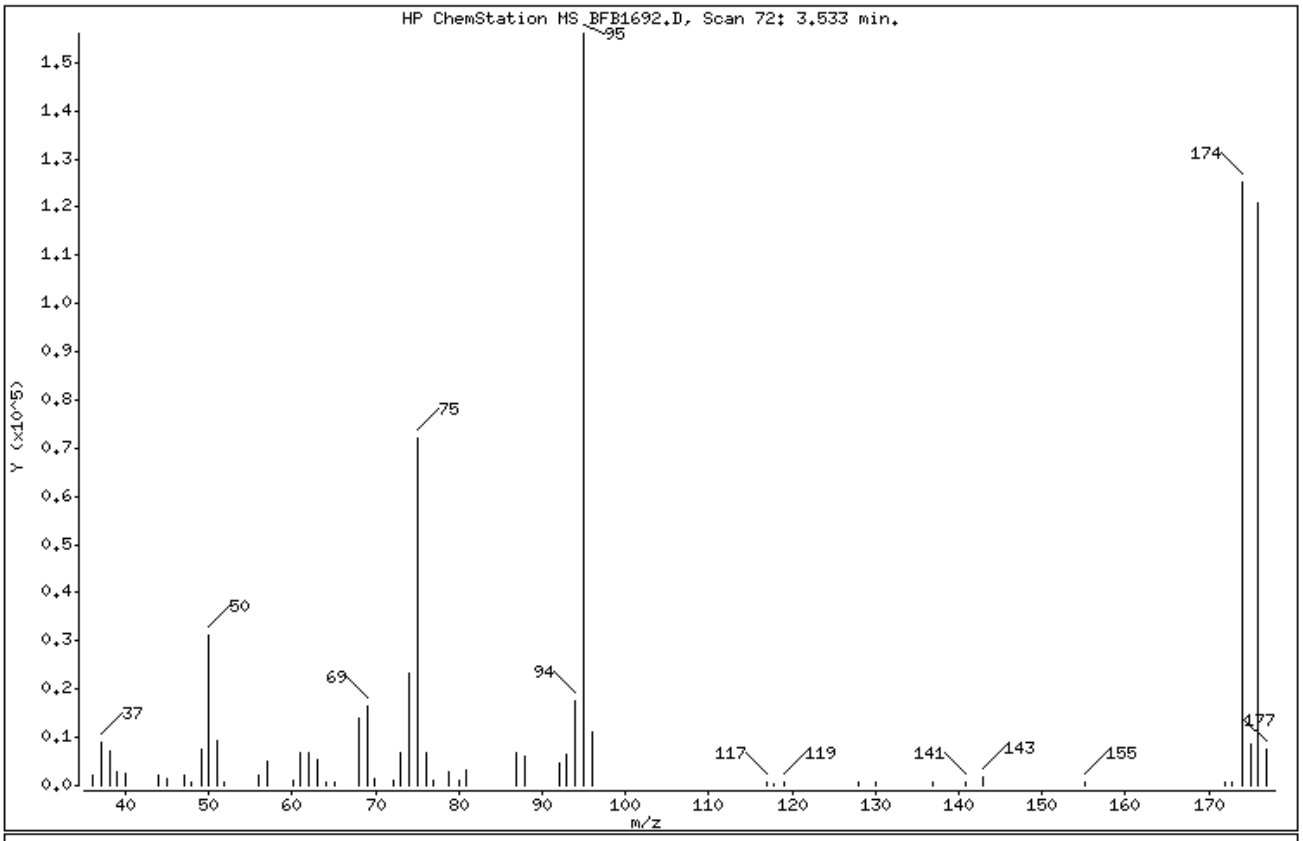
Client ID: 50NG BFB | Instrument: a3ux10.i

Sample Info:

Volume Injected (uL): 1.0 | Operator: 1904

Column phase: DB624 20M | Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.89
75	30.00 - 60.00% of mass 95	46.11
96	5.00 - 9.00% of mass 95	7.08
173	Less than 2.00% of mass 174	0.42 (0.52)
174	50.00 - 100.00% of mass 95	80.22
175	5.00 - 9.00% of mass 174	5.52 (6.88)
176	95.00 - 101.00% of mass 174	77.38 (96.47)
177	5.00 - 9.00% of mass 176	4.81 (6.22)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\BFB1692.D

Date : 08-JUN-2005 20:54

Client ID: 50NG BFB Instrument: a3ux10.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 1904

Column phase: DB624 20M Column diameter: 0.18

Data File: BFB1692.D
Spectrum: HP ChemStation MS BFB1692.D, Scan 72: 3.533 min.
Location of Maximum: 95.05
Number of points: 55

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.05	2117	57.05	5135	76.05	6693	119.05	813
37.05	9012	60.05	1126	76.95	1111	127.95	655
38.15	7304	61.05	6800	78.85	2733	129.95	698
39.05	2877	62.05	6776	80.05	909	136.85	685
39.95	2661	63.05	5259	80.95	3269	140.85	867
44.05	2133	64.05	850	86.95	6744	142.85	1694
44.95	1533	65.05	594	87.95	6032	155.05	547
47.05	2107	68.05	14016	92.05	4594	171.95	666
47.85	803	69.05	16592	92.95	6597	172.85	654
49.05	7357	69.95	1461	94.05	17432	173.95	125168
50.05	31040	72.15	1054	95.05	156032	174.95	8608
51.05	9429	72.95	6706	96.05	11044	175.95	120744
51.95	594	74.05	23224	116.95	776	176.95	7505
56.05	2319	75.05	71952	117.85	532		

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A5E280164 **Work Order #...:** HC8WX1AC **Matrix.....:** WATER
LCS Lot-Sample#: A5F090000-173
Prep Date.....: 06/08/05 **Analysis Date..:** 06/08/05
Prep Batch #...: 5160173
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**100**	**(80 - 116)**	**SW846 8260B**
Chlorobenzene	**96**	**(76 - 117)**	**SW846 8260B**
1,1-Dichloroethene	**94**	**(63 - 130)**	**SW846 8260B**
Toluene	**103**	**(74 - 119)**	**SW846 8260B**
Trichloroethene	**96**	**(75 - 122)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 122)
1,2-Dichloroethane-d4	101	(61 - 128)
Toluene-d8	107	(76 - 110)
4-Bromofluorobenzene	110	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A5E280164 **Work Order #...:** HC8WX1AC **Matrix.....:** WATER
LCS Lot-Sample#: A5F090000-173
Prep Date.....: 06/08/05 **Analysis Date..:** 06/08/05
Prep Batch #...: 5160173
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**10**	**10**	**ug/L**	**100**	**SW846 8260B**
Chlorobenzene	**10**	**9.6**	**ug/L**	**96**	**SW846 8260B**
1,1-Dichloroethene	**10**	**9.4**	**ug/L**	**94**	**SW846 8260B**
Toluene	**10**	**10**	**ug/L**	**103**	**SW846 8260B**
Trichloroethene	**10**	**9.6**	**ug/L**	**96**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 122)
1,2-Dichloroethane-d4	101	(61 - 128)
Toluene-d8	107	(76 - 110)
4-Bromofluorobenzene	110	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8920.D
Report Date: 09-Jun-2005 10:54

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8920.D
Lab Smp Id: CHECK
Inj Date : 08-JUN-2005 22:07
Operator : 1904 Inst ID: a3ux10.i
Smp Info : CHECK
Misc Info : P50608B,8260LLUX10,2-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\8260LLUX10.m
Meth Date : 09-Jun-2005 10:51 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.007	5.008	(1.000)	1132179	50.0000	
* 2 Chlorobenzene-d5	117	7.658	7.659	(1.000)	842636	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.894	9.895	(1.000)	399998	50.0000	
$ 4 Dibromofluoromethane	113	4.439	4.440	(0.887)	235056	50.8568	10.171
$ 5 1,2-Dichloroethane-d4	65	4.723	4.724	(0.943)	284695	50.4429	10.088
$ 6 Toluene-d8	98	6.356	6.357	(0.830)	873231	53.2885	10.658
$ 7 Bromofluorobenzene	95	8.758	8.759	(1.144)	326660	54.8072	10.961
8 Dichlorodifluoromethane	85	1.481	1.482	(0.296)	87976	26.5583	5.312
9 Chloromethane	50	1.623	1.624	(0.324)	245574	38.2204	7.644
10 Vinyl Chloride	62	1.706	1.707	(0.341)	220476	38.3893	7.678
11 Bromomethane	94	1.978	1.967	(0.395)	90017	29.7882	5.958
12 Chloroethane	64	2.049	2.050	(0.409)	161494	44.2648	8.853
13 Trichlorofluoromethane	101	2.238	2.239	(0.447)	327509	45.5513	9.110
15 Acrolein	56	2.558	2.559	(0.511)	287338	438.542	87.708
16 Acetone	43	2.688	2.677	(0.537)	78911	26.1669	5.233
17 1,1-Dichloroethene	96	2.653	2.653	(0.530)	185732	46.7493	9.350
18 Freon-113	151	2.653	2.653	(0.530)	173137	56.3844	11.277
19 Iodomethane	142	2.806	2.783	(0.561)	8200	5.99041	1.198
20 Carbon Disulfide	76	2.842	2.843	(0.568)	574114	42.8261	8.565
21 Methylene Chloride	84	3.043	3.032	(0.608)	277517	47.3854	9.477

22 Acetonitrile	41	2.901	2.902 (0.579)	307654	417.552	83.510
23 Acrylonitrile	53	3.209	3.209 (0.641)	874234	440.776	88.155

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8920.D
Report Date: 09-Jun-2005 10:54

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.256	3.257	(0.650)	525358	49.7419	9.948
	25 trans-1,2-Dichloroethene	96	3.256	3.257	(0.650)	243623	49.5484	9.910
	26 Hexane	86	3.481	3.482	(0.695)	45713	51.4766	10.295
	27 Vinyl acetate	43	3.481	3.624	(0.695)	177419	22.8439	4.569
	28 1,1-Dichloroethane	63	3.587	3.588	(0.716)	457552	50.9638	10.193
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.061	4.061	(0.811)	101009	36.5089	7.302
M	31 1,2-Dichloroethene (total)	96				489632	97.2498	19.450
	32 cis-1,2-dichloroethene	96	4.061	4.061	(0.811)	246009	47.7014	9.540
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.309	4.310	(0.861)	426529	48.9347	9.787
	36 Tetrahydrofuran	42	4.309	4.298	(0.861)	5181	3.37469	0.6749
	37 1,1,1-Trichloroethane	97	4.475	4.475	(0.894)	348220	53.0588	10.612
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.617	4.617	(0.922)	296190	52.1385	10.428
	40 1,2-Dichloroethane	62	4.782	4.783	(0.955)	344945	47.9780	9.596
	41 Benzene	78	4.782	4.783	(0.955)	995615	49.8786	9.976
	42 Trichloroethene	130	5.315	5.316	(1.061)	248742	48.0327	9.606
	43 1,2-Dichloropropane	63	5.492	5.493	(1.097)	265601	51.7880	10.358
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.717	5.718	(1.142)	291753	48.1055	9.621
	47 2-Chloroethyl vinyl ether	63	5.966	5.966	(1.191)	88243	39.0349	7.807
	48 cis-1,3-Dichloropropene	75	6.108	6.108	(1.220)	298937	45.7568	9.151
	49 4-Methyl-2-pentanone	43	6.226	6.227	(1.243)	172634	38.2068	7.641
	50 Toluene	91	6.415	6.416	(0.838)	1057980	51.4763	10.295
	51 trans-1,3-Dichloropropene	75	6.581	6.582	(0.859)	254001	46.7044	9.341
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.747	6.747	(0.881)	199890	48.4150	9.683
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.912	6.913	(0.903)	201097	48.8877	9.778
	56 2-Hexanone	43	6.972	6.972	(0.910)	105226	34.6415	6.928
	57 Dibromochloromethane	129	7.114	7.114	(0.929)	200697	46.6206	9.324
	58 1,2-Dibromoethane	107	7.232	7.233	(0.944)	181531	47.1871	9.437
	59 Chlorobenzene	112	7.682	7.682	(1.003)	699594	48.1483	9.630
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.788	7.789	(1.017)	338472	48.3698	9.674
	62 m + p-Xylene	106	7.895	7.895	(1.031)	904156	104.448	20.890
M	63 Xylenes (total)	106				1300451	149.002	29.800
	64 Xylene-o	106	8.273	8.274	(1.080)	396295	44.5540	8.911
	65 Styrene	104	8.273	8.274	(1.080)	689927	44.9712	8.994
	66 Bromoform	173	8.451	8.451	(1.104)	118009	42.3584	8.472
	67 Isopropylbenzene	105	8.616	8.617	(1.125)	871726	44.0499	8.810
	68 1,1,2,2-Tetrachloroethane	83	8.888	8.889	(0.898)	235388	52.7064	10.541
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

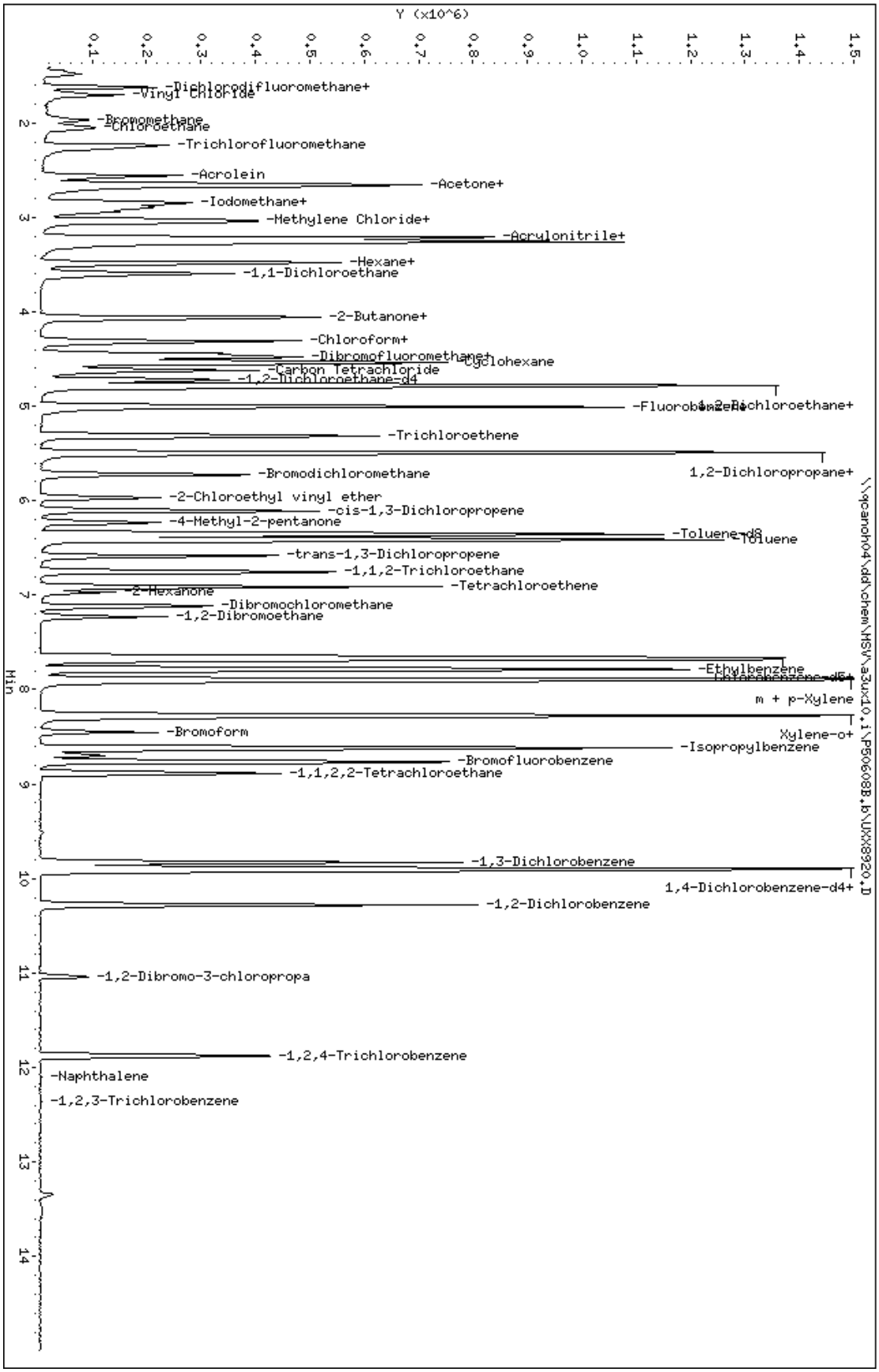
76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8920.D
Report Date: 09-Jun-2005 10:54

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.835	9.824	(0.994)	435735	45.5812	9.116
81 1,4-Dichlorobenzene	146	9.918	9.919	(1.002)	521783	50.0194	10.004
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.285	10.285	(1.039)	440147	47.3406	9.468
84 1,2-Dibromo-3-chloropropane	157	11.042	11.043	(1.116)	29991	42.8285	8.566
85 1,2,4-Trichlorobenzene	180	11.882	11.883	(1.201)	180097	38.1300	7.626
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	12.119	12.119	(1.225)	2561	5.82595	1.165
88 1,2,3-Trichlorobenzene	180	12.367	12.368	(1.250)	1484	3.03069	0.6061
98 Cyclohexane	56	4.534	4.535	(0.905)	345417	51.2048	10.241
143 Methyl Acetate	43	2.948	2.937	(0.589)	167501	39.7211	7.944(A)
144 Methylcyclohexane	83	5.492	5.493	(1.097)	286891	48.4132	9.683(A)
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8920.D
Date : 08-JUN-2005 22:07
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-Fluorobenzene
1,2-Dichloroethane+
-Trichloroethene
1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Ethylbenzene
Chlorobenzene-d5+
m + p-Xylene
-Bromoform
Xylene-o+
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8920.D

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A5E280164 **Work Order #...:** HDCKM1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5F100000-119 HDCKM1AD-LCSD
Prep Date.....: 06/09/05 **Analysis Date..:** 06/09/05
Prep Batch #...: 5161119
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**93**	**(80 - 116)**			**SW846 8260B**
	102	**(80 - 116)**	**8.7**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**88**	**(76 - 117)**			**SW846 8260B**
	98	**(76 - 117)**	**11**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**93**	**(63 - 130)**			**SW846 8260B**
	100	**(63 - 130)**	**7.9**	**(0-20)**	**SW846 8260B**
Toluene	**89**	**(74 - 119)**			**SW846 8260B**
	97	**(74 - 119)**	**9.0**	**(0-20)**	**SW846 8260B**
Trichloroethene	**96**	**(75 - 122)**			**SW846 8260B**
	101	**(75 - 122)**	**4.9**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
	101	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
	98	(61 - 128)
Toluene-d8	105	(76 - 110)
	105	(76 - 110)
4-Bromofluorobenzene	103	(74 - 116)
	99	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A5E280164 **Work Order #...:** HDCKM1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5F100000-119 HDCKM1AD-LCSD
Prep Date.....: 06/09/05 **Analysis Date..:** 06/09/05
Prep Batch #...: 5161119
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**10**	**9.3**	**ug/L**	**93**		**SW846 8260B**
	10	**10**	**ug/L**	**102**	**8.7**	**SW846 8260B**
Chlorobenzene	**10**	**8.8**	**ug/L**	**88**		**SW846 8260B**
	10	**9.8**	**ug/L**	**98**	**11**	**SW846 8260B**
1,1-Dichloroethene	**10**	**9.3**	**ug/L**	**93**		**SW846 8260B**
	10	**10**	**ug/L**	**100**	**7.9**	**SW846 8260B**
Toluene	**10**	**8.9**	**ug/L**	**89**		**SW846 8260B**
	10	**9.7**	**ug/L**	**97**	**9.0**	**SW846 8260B**
Trichloroethene	**10**	**9.6**	**ug/L**	**96**		**SW846 8260B**
	10	**10**	**ug/L**	**101**	**4.9**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
	101	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
	98	(61 - 128)
Toluene-d8	105	(76 - 110)
	105	(76 - 110)
4-Bromofluorobenzene	103	(74 - 116)
	99	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93985.D
Report Date: 10-Jun-2005 11:19

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93985.D
Lab Smp Id: HDCKM1AC
Inj Date : 09-JUN-2005 15:24
Operator : 1754 Inst ID: a3ux9.i
Smp Info : CHECK
Misc Info : N50609B,8260MIUX9,2-8260.SUB,1754,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\8260MIUX9.m
Meth Date : 10-Jun-2005 11:18 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	591106	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	459974	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	200069	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	124274	51.2737	10.255
$ 5 1,2-Dichloroethane-d4	65	4.813	4.825	(0.944)	134464	48.6569	9.731
$ 6 Toluene-d8	98	6.446	6.446	(0.832)	662221	52.7048	10.541
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	247865	51.2778	10.256
8 Dichlorodifluoromethane	85	1.583	1.595	(0.311)	60516	29.7283	5.946
9 Chloromethane	50	1.713	1.713	(0.336)	180999	40.5811	8.116
10 Vinyl Chloride	62	1.808	1.808	(0.355)	171254	49.4700	9.894
11 Bromomethane	94	2.092	2.103	(0.410)	61960	49.1259	9.825
12 Chloroethane	64	2.187	2.186	(0.429)	84198	49.3551	9.871
13 Trichlorofluoromethane	101	2.376	2.376	(0.466)	139748	48.5712	9.714
15 Acrolein	56	2.672	2.671	(0.524)	130668	378.455	75.691(A)
16 Acetone	43	2.790	2.790	(0.547)	50744	43.8259	8.765
17 1,1-Dichloroethene	61	2.766	2.766	(0.543)	212899	46.3181	9.264
18 Freon-113	151	2.802	2.813	(0.550)	105104	52.1542	10.431
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.956	2.955	(0.580)	406822	44.5971	8.919
21 Methylene Chloride	84	3.145	3.145	(0.617)	137273	42.7693	8.554

22 Acetonitrile	41	3.003	3.015 (0.589)	137095	387.363	77.473(A)
23 Acrylonitrile	53	3.323	3.322 (0.652)	364853	396.358	79.272(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93985.D
Report Date: 10-Jun-2005 11:19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.358	3.358	(0.659)	221334	60.1511	12.030
	25 trans-1,2-Dichloroethene	61	3.370	3.370	(0.661)	224431	45.9061	9.181
	26 Hexane	57	3.583	3.583	(0.703)	278521	48.9430	9.789
	27 Vinyl acetate	43	3.737	3.725	(0.733)	5555	0.97315	0.1946
	28 1,1-Dichloroethane	63	3.701	3.701	(0.726)	274347	46.9830	9.396
	29 tert-Butyl Alcohol	59	3.050	3.204	(0.598)	3965	36.9889	7.398
	30 2-Butanone	43	4.163	4.162	(0.817)	44432	31.3053	6.261
M	31 1,2-Dichloroethene (total)	61				438588	86.9411	17.388
	32 cis-1,2-dichloroethene	61	4.163	4.162	(0.817)	214157	41.0350	8.207
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.411	4.411	(0.865)	207934	45.5101	9.102
	36 Tetrahydrofuran	42	4.636	4.399	(0.909)	86729	115.788	23.158
	37 1,1,1-Trichloroethane	97	4.577	4.576	(0.898)	167727	44.1453	8.829
	38 1,1-Dichloropropene	75	4.884	4.707	(0.958)	9233	2.38332	0.4767
	39 Carbon Tetrachloride	117	4.719	4.718	(0.926)	127020	40.7649	8.153
	40 1,2-Dichloroethane	62	4.884	4.884	(0.958)	159867	42.2409	8.448
	41 Benzene	78	4.884	4.884	(0.958)	614366	46.7335	9.347
	42 Trichloroethene	130	5.405	5.405	(1.060)	155279	48.1858	9.637
	43 1,2-Dichloropropane	63	5.594	5.594	(1.097)	167036	46.7650	9.353
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.819	5.819	(1.142)	133108	40.5570	8.111
	48 cis-1,3-Dichloropropene	75	6.198	6.198	(1.216)	184524	41.4167	8.283
	49 4-Methyl-2-pentanone	43	6.316	6.316	(1.239)	89567	34.4617	6.892
	50 Toluene	91	6.506	6.505	(0.840)	684383	44.3862	8.877
	51 trans-1,3-Dichloropropene	75	6.683	6.683	(0.863)	142077	39.8903	7.978
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.849	6.848	(0.884)	90318	38.7287	7.746
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.003	7.002	(0.904)	127898	46.0623	9.212
	56 2-Hexanone	43	7.062	7.061	(0.911)	62865	30.5367	6.107
	57 Dibromochloromethane	129	7.216	7.215	(0.931)	80010	36.8831	7.377
	58 1,2-Dibromoethane	107	7.322	7.322	(0.945)	80970	38.9203	7.784
	59 Chlorobenzene	112	7.772	7.771	(1.003)	442996	44.0136	8.803
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	7.866	7.866	(1.015)	767594	44.0040	8.801
	62 m + p-Xylene	91	7.973	7.973	(1.029)	1183677	87.0686	17.414
M	63 Xylenes (total)	91				1760333	128.890	25.778
	64 Xylene-o	91	8.352	8.351	(1.078)	576656	41.8212	8.364
	65 Styrene	104	8.363	8.363	(1.079)	453097	42.2865	8.457
	66 Bromoform	173	8.553	8.552	(1.104)	40138	32.5333	6.507
	67 Isopropylbenzene	105	8.706	8.706	(1.124)	729004	45.8766	9.175
	68 1,1,2,2-Tetrachloroethane	83	8.979	8.978	(0.899)	87393	37.2208	7.444
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

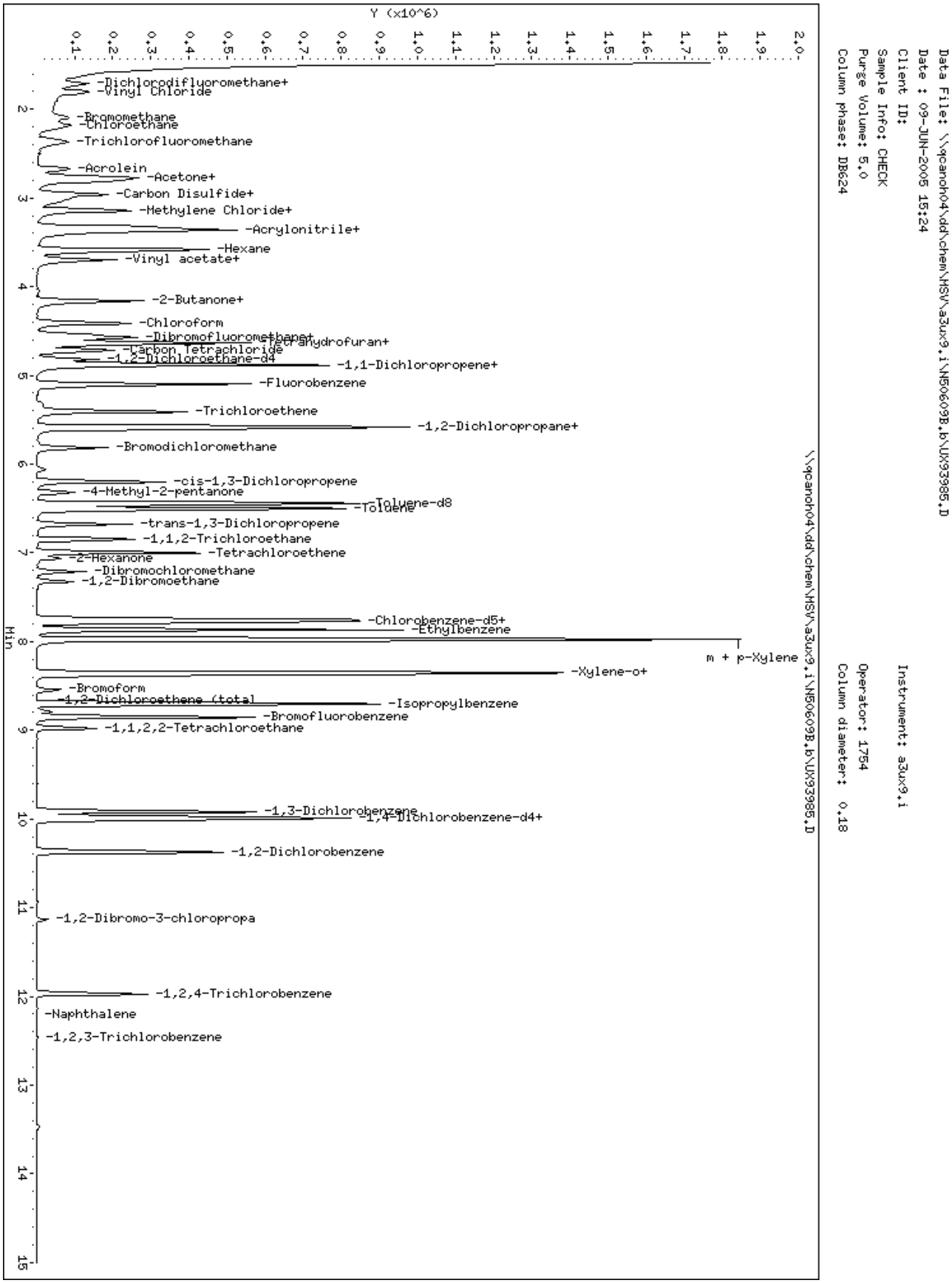
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93985.D
Report Date: 10-Jun-2005 11:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.913	9.925	(0.993)	303414	42.8778	8.576
81 1,4-Dichlorobenzene	146	10.008	10.008	(1.002)	311004	43.2980	8.660
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.375	10.375	(1.039)	256998	40.8590	8.172
84 1,2-Dibromo-3-chloropropane	157	11.144	11.144	(1.116)	8657	26.6270	5.325
85 1,2,4-Trichlorobenzene	180	11.972	11.972	(1.199)	107703	31.6536	6.331
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	12.209	12.220	(1.223)	1510	3.84953	0.7699
88 1,2,3-Trichlorobenzene	180	12.457	12.457	(1.248)	1314	0.50894	0.1018
98 Cyclohexane	56	4.636	4.636	(0.909)	352250	46.1176	9.224
143 Methyl Acetate	43	3.050	3.050	(0.598)	74680	35.9530	7.190
144 Methylcyclohexane	83	5.583	5.582	(1.095)	258809	43.9954	8.799
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93985.D
Date : 09-JUN-2005 15:24
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Tetrahydrofuran+
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-1,1-Dichloropropene+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-Bromodichloromethane
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-Ethylbenzene
m + p-Xylene
-Xylene-o+
-Bromoform
-1,2-Dichloroethene (total
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93985.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93987.D
Report Date: 10-Jun-2005 11:19

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93987.D
Lab Smp Id: HDCKM1AD
Inj Date : 09-JUN-2005 15:46
Operator : 1754 Inst ID: a3ux9.i
Smp Info : CHECK
Misc Info : N50609B,8260MIUX9,2-8260.SUB,1754,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\8260MIUX9.m
Meth Date : 10-Jun-2005 11:18 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 4 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.099	5.097	(1.000)	600770	50.0000	
* 2 Chlorobenzene-d5	117	7.750	7.748	(1.000)	456904	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.986	9.984	(1.000)	197914	50.0000	
$ 4 Dibromofluoromethane	113	4.543	4.541	(0.891)	125003	50.7449	10.149
$ 5 1,2-Dichloroethane-d4	65	4.815	4.825	(0.944)	137216	48.8540	9.771
$ 6 Toluene-d8	98	6.437	6.446	(0.831)	658161	52.7336	10.547
$ 7 Bromofluorobenzene	95	8.850	8.848	(1.142)	237048	49.3695	9.874
8 Dichlorodifluoromethane	85	1.585	1.595	(0.311)	66428	32.1076	6.422
9 Chloromethane	50	1.715	1.713	(0.336)	196592	43.3681	8.674
10 Vinyl Chloride	62	1.810	1.808	(0.355)	184262	52.3714	10.474
11 Bromomethane	94	2.094	2.103	(0.411)	67000	52.2675	10.453
12 Chloroethane	64	2.189	2.186	(0.429)	94856	54.7082	10.942
13 Trichlorofluoromethane	101	2.366	2.376	(0.464)	155213	53.0784	10.616
15 Acrolein	56	2.674	2.671	(0.524)	154244	439.552	87.910(A)
16 Acetone	43	2.792	2.790	(0.548)	51167	43.4156	8.683
17 1,1-Dichloroethene	61	2.768	2.766	(0.543)	234124	50.1165	10.023
18 Freon-113	151	2.804	2.813	(0.550)	114634	55.9681	11.194
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.958	2.955	(0.580)	442657	47.7448	9.549
21 Methylene Chloride	84	3.147	3.145	(0.617)	151484	46.8452	9.369

22 Acetonitrile	41	3.017	3.015 (0.592)	134429	373.720	74.744(A)
23 Acrylonitrile	53	3.325	3.322 (0.652)	407510	435.577	87.115(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93987.D
Report Date: 10-Jun-2005 11:19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.360	3.358	(0.659)	255508	68.3215	13.664
	25 trans-1,2-Dichloroethene	61	3.360	3.370	(0.659)	252088	50.7337	10.147
	26 Hexane	57	3.585	3.583	(0.703)	312506	54.0317	10.806
	27 Vinyl acetate	43	3.585	3.725	(0.703)	218734	37.7023	7.540
	28 1,1-Dichloroethane	63	3.703	3.701	(0.726)	305255	51.4352	10.287
	29 tert-Butyl Alcohol	59	3.230	3.204	(0.633)	1026	9.41745	1.883
	30 2-Butanone	43	4.153	4.162	(0.814)	49482	34.3026	6.860
M	31 1,2-Dichloroethene (total)	61				485706	94.7776	18.956
	32 cis-1,2-dichloroethene	61	4.165	4.162	(0.817)	233618	44.0439	8.809
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.413	4.411	(0.865)	231954	49.9507	9.990
	36 Tetrahydrofuran	42	4.638	4.399	(0.910)	98833	130.322	26.064
	37 1,1,1-Trichloroethane	97	4.579	4.576	(0.898)	182352	47.2226	9.444
	38 1,1-Dichloropropene	75	4.875	4.707	(0.956)	10209	2.59286	0.5186
	39 Carbon Tetrachloride	117	4.721	4.718	(0.926)	143380	45.2752	9.055
	40 1,2-Dichloroethane	62	4.886	4.884	(0.958)	181131	47.0895	9.418
	41 Benzene	78	4.875	4.884	(0.956)	681069	50.9741	10.195
	42 Trichloroethene	130	5.407	5.405	(1.060)	165681	50.5867	10.117
	43 1,2-Dichloropropane	63	5.585	5.594	(1.095)	184366	50.7865	10.157
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.821	5.819	(1.142)	148309	44.4617	8.892
	48 cis-1,3-Dichloropropene	75	6.200	6.198	(1.216)	207004	45.7150	9.143
	49 4-Methyl-2-pentanone	43	6.318	6.316	(1.239)	102828	38.9276	7.786
	50 Toluene	91	6.508	6.505	(0.840)	744102	48.5836	9.717
	51 trans-1,3-Dichloropropene	75	6.673	6.683	(0.861)	156989	44.3732	8.875
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.851	6.848	(0.884)	100571	43.4150	8.683
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.005	7.002	(0.904)	146296	53.0423	10.608
	56 2-Hexanone	43	7.064	7.061	(0.911)	66307	32.4251	6.485
	57 Dibromochloromethane	129	7.218	7.215	(0.931)	89035	41.3193	8.264
	58 1,2-Dibromoethane	107	7.324	7.322	(0.945)	91682	44.3654	8.873
	59 Chlorobenzene	112	7.774	7.771	(1.003)	489474	48.9581	9.792
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	7.868	7.866	(1.015)	842122	48.6009	9.720
	62 m + p-Xylene	91	7.975	7.973	(1.029)	1299628	96.2401	19.248
M	63 Xylenes (total)	91				1945675	143.409	28.682
	64 Xylene-o	91	8.353	8.351	(1.078)	646047	47.1685	9.434
	65 Styrene	104	8.365	8.363	(1.079)	503835	47.3378	9.468
	66 Bromoform	173	8.543	8.552	(1.102)	48537	38.7670	7.753
	67 Isopropylbenzene	105	8.697	8.706	(1.122)	799237	50.6343	10.127
	68 1,1,2,2-Tetrachloroethane	83	8.981	8.978	(0.899)	98481	42.3998	8.480
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

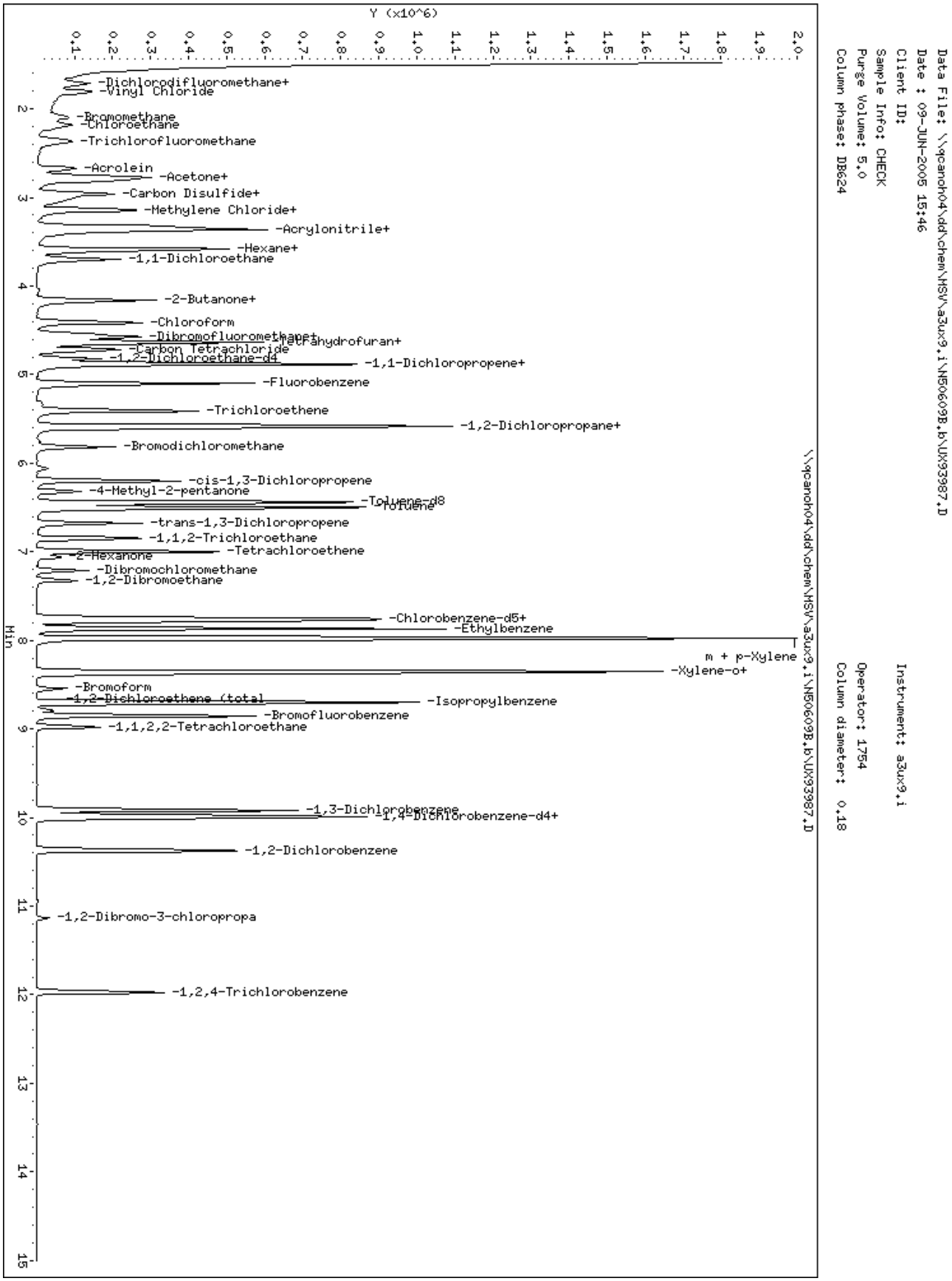
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93987.D
Report Date: 10-Jun-2005 11:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.915	9.925	(0.993)	335519	47.9311	9.586
81 1,4-Dichlorobenzene	146	9.998	10.008	(1.001)	340998	47.9907	9.598
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.377	10.375	(1.039)	284864	45.7824	9.156
84 1,2-Dibromo-3-chloropropane	157	11.134	11.144	(1.115)	9485	29.2783	5.856
85 1,2,4-Trichlorobenzene	180	11.974	11.972	(1.199)	132317	39.3110	7.862
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.638	4.636	(0.910)	381224	49.1081	9.822
143 Methyl Acetate	43	3.052	3.050	(0.599)	85821	40.6519	8.130
144 Methylcyclohexane	83	5.585	5.582	(1.095)	294264	49.2178	9.844
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 09-JUN-2005 15:46
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Tetrahydrofuran+
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-1,1-Dichloropropene+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-Bromodichloromethane
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-Ethylbenzene
m + p-Xylene
-Xylene-o+
-Bromoform
-1,2-Dichloroethene (total
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93987.D

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5E280164 **Work Order #...:** HC8WX1AA **Matrix.....:** WATER
MB Lot-Sample #: A5F090000-173

Prep Date.....: 06/08/05 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 06/08/05 **Prep Batch #...:** 5160173
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	**0.37 J**	**1.0**	**ug/L**	**SW846 8260B**
2-Butanone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Cyclohexane	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
Methyl acetate	ND	10	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methylcyclohexane	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5E280164 **Work Order #...:** HC8WX1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,4-Trichloro-benzene	**0.81 J**	**1.0**	**ug/L**	**SW846 8260B**
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(73 - 122)
1,2-Dichloroethane-d4	99	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	78	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8922.D
Report Date: 09-Jun-2005 10:56

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8922.D
Lab Smp Id: VBLK
Inj Date : 08-JUN-2005 22:57
Operator : 1904 Inst ID: a3ux10.i
Smp Info : VBLK,5ML/5ML
Misc Info : P50608B,8260LLUX10,,1904,3,,BLANK,,0
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\8260LLUX10.m
Meth Date : 09-Jun-2005 10:51 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.006	5.008	(1.000)	1067141	50.0000	
* 2 Chlorobenzene-d5	117	7.657	7.659	(1.000)	781525	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.893	9.895	(1.000)	308256	50.0000	
$ 4 Dibromofluoromethane	113	4.438	4.440	(0.887)	233195	53.5292	10.706
$ 5 1,2-Dichloroethane-d4	65	4.722	4.724	(0.943)	264370	49.6965	9.939
$ 6 Toluene-d8	98	6.355	6.357	(0.830)	742520	48.8550	9.771
$ 7 Bromofluorobenzene	95	8.769	8.759	(1.145)	215879	39.0525	7.810
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	2.001	1.967	(0.400)	5330	1.87128	0.3742
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8922.D
Report Date: 09-Jun-2005 10:56

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

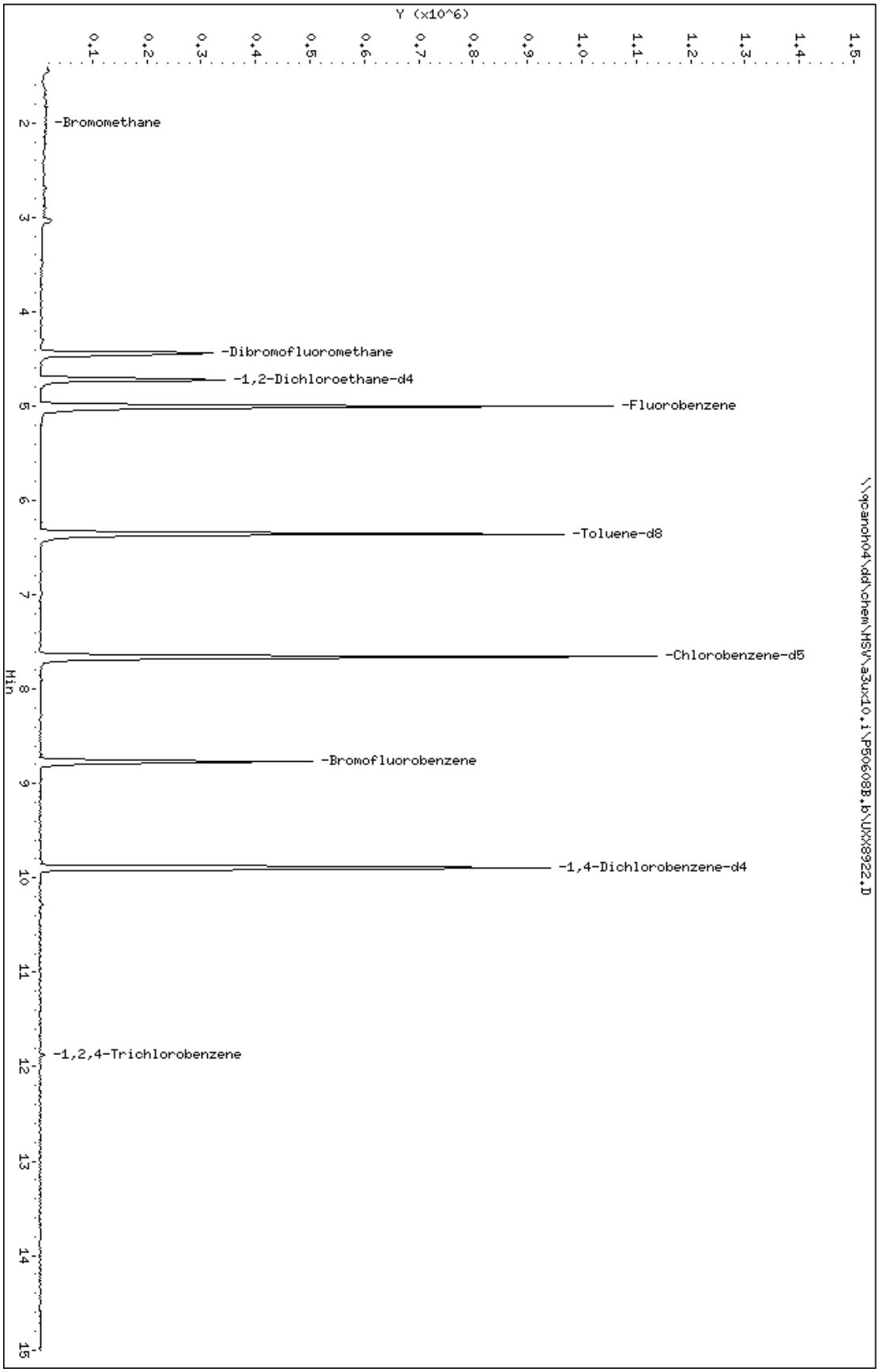
76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8922.D
Report Date: 09-Jun-2005 10:56

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.869	11.883	(1.200)	5168	4.07398	0.8148
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P506608B.b\UXX8922.D
Date : 08-JUN-2005 22:57
Client ID:
Sample Info: VBLK,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



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Date : 08-JUN-2005 22:57

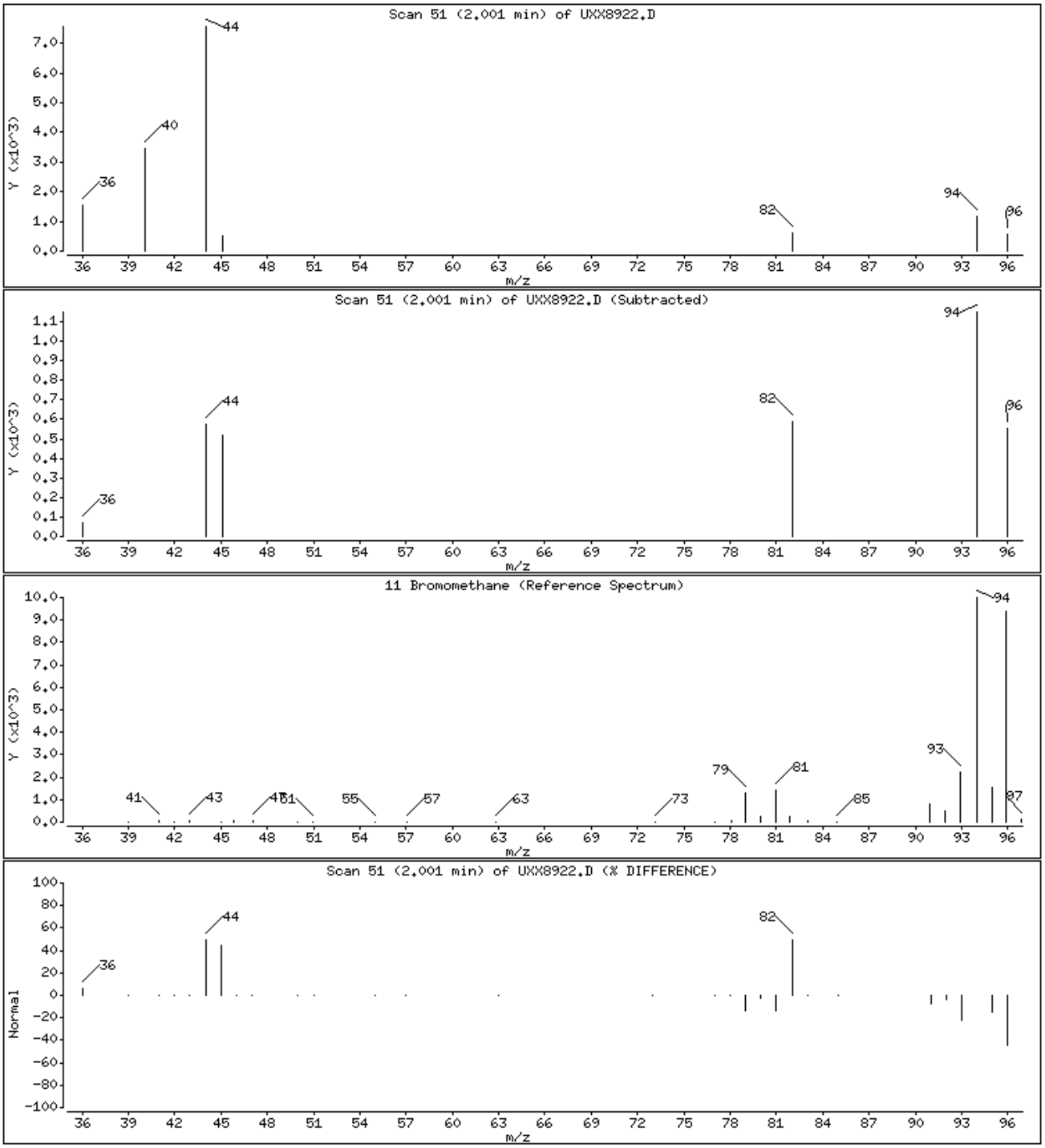
Client ID: Instrument: a3ux10.i

Sample Info: VBLK,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

11 Bromomethane Concentration: 0.3742 ug/L



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Date : 08-JUN-2005 22:57

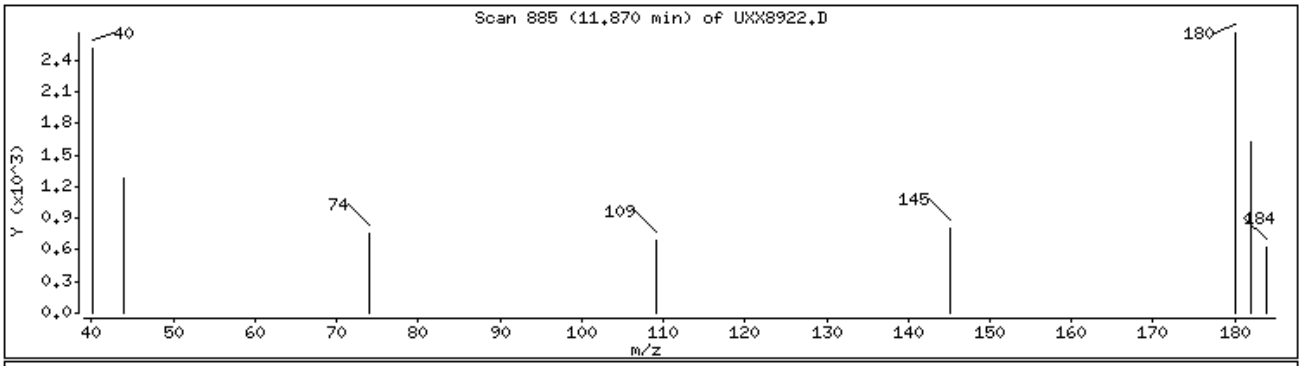
Client ID: Instrument: a3ux10.i

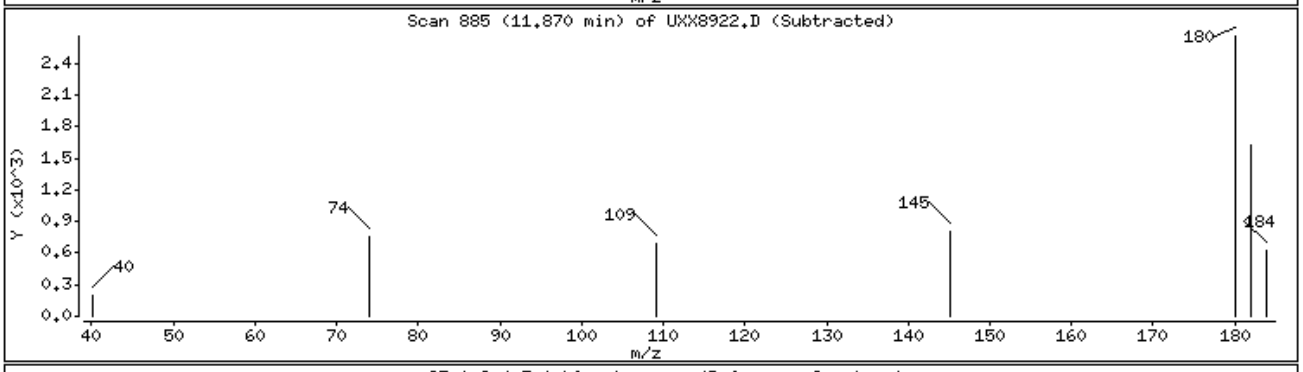
Sample Info: VBLK,5ML/5ML

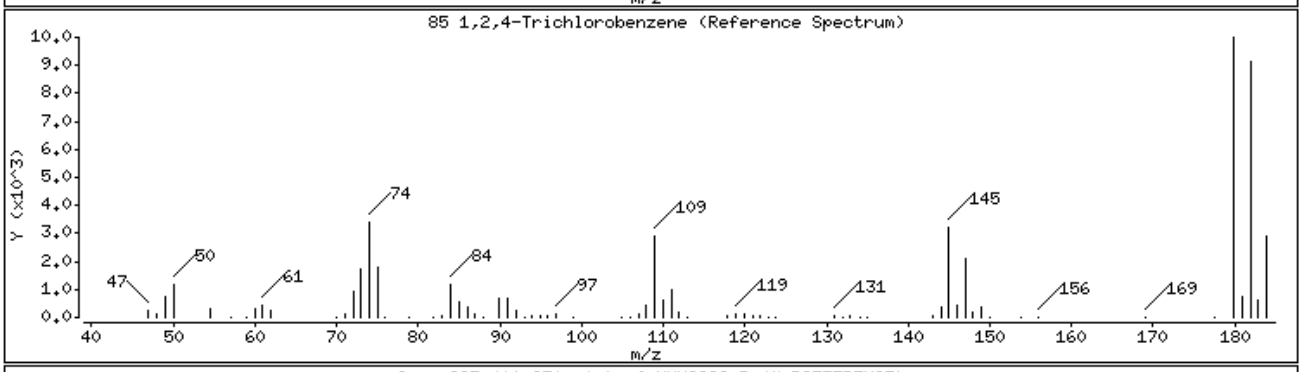
Purge Volume: 5.0 Operator: 1904

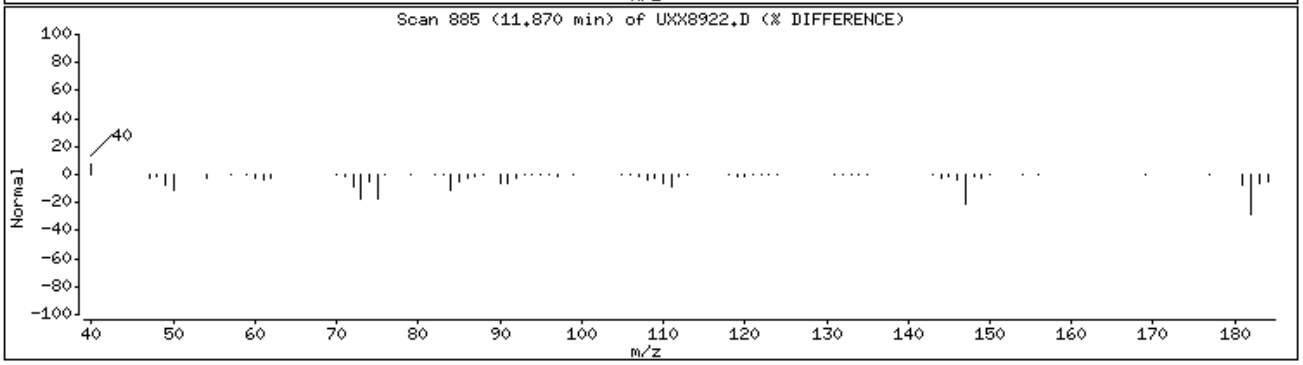
Column phase: DB624 Column diameter: 0.18

85 1,2,4-Trichlorobenzene Concentration: 0.8148 ug/L









METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5E280164 **Work Order #...:** HDCKM1AA **Matrix.....:** WATER
MB Lot-Sample #: A5F100000-119

Prep Date.....: 06/09/05 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 06/09/05 **Prep Batch #...:** 5161119
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	**1.6 J**	**10**	**ug/L**	**SW846 8260B**
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Cyclohexane	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
Methyl acetate	**1.5 J**	**10**	**ug/L**	**SW846 8260B**
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methylcyclohexane	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5E280164 **Work Order #...:** HDCKM1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,4-Trichloro-benzene	**0.33 J**	**1.0**	**ug/L**	**SW846 8260B**
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
1,2-Dichloroethane-d4	96	(61 - 128)
Toluene-d8	106	(76 - 110)
4-Bromofluorobenzene	95	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93988.D
Report Date: 10-Jun-2005 11:28

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93988.D
Lab Smp Id: HDCKM1AA
Inj Date : 09-JUN-2005 16:09
Operator : 1754 Inst ID: a3ux9.i
Smp Info : VBLK,5ML/5ML
Misc Info : N50609B,8260MIUX9,,1754,3,,BLANK,,0
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\8260MIUX9.m
Meth Date : 10-Jun-2005 11:20 roachc Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	579835	50.0000	
* 2 Chlorobenzene-d5	117	7.747	7.748	(1.000)	442587	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	182862	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	122700	51.6084	10.322
$ 5 1,2-Dichloroethane-d4	65	4.825	4.825	(0.947)	130001	47.9563	9.591
$ 6 Toluene-d8	98	6.446	6.446	(0.832)	638389	52.8040	10.561
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	219955	47.2914	9.458
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.801	2.790	(0.550)	15276	7.76285	1.552
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					
22 Acetonitrile	41	Compound Not Detected.					

23	Acrylonitrile	53	Compound Not Detected.
24	Methyl tert-butyl ether	73	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93988.D
Report Date: 10-Jun-2005 11:28

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.884	4.884	(0.958)	8889	0.68931	0.1379
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					
	77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

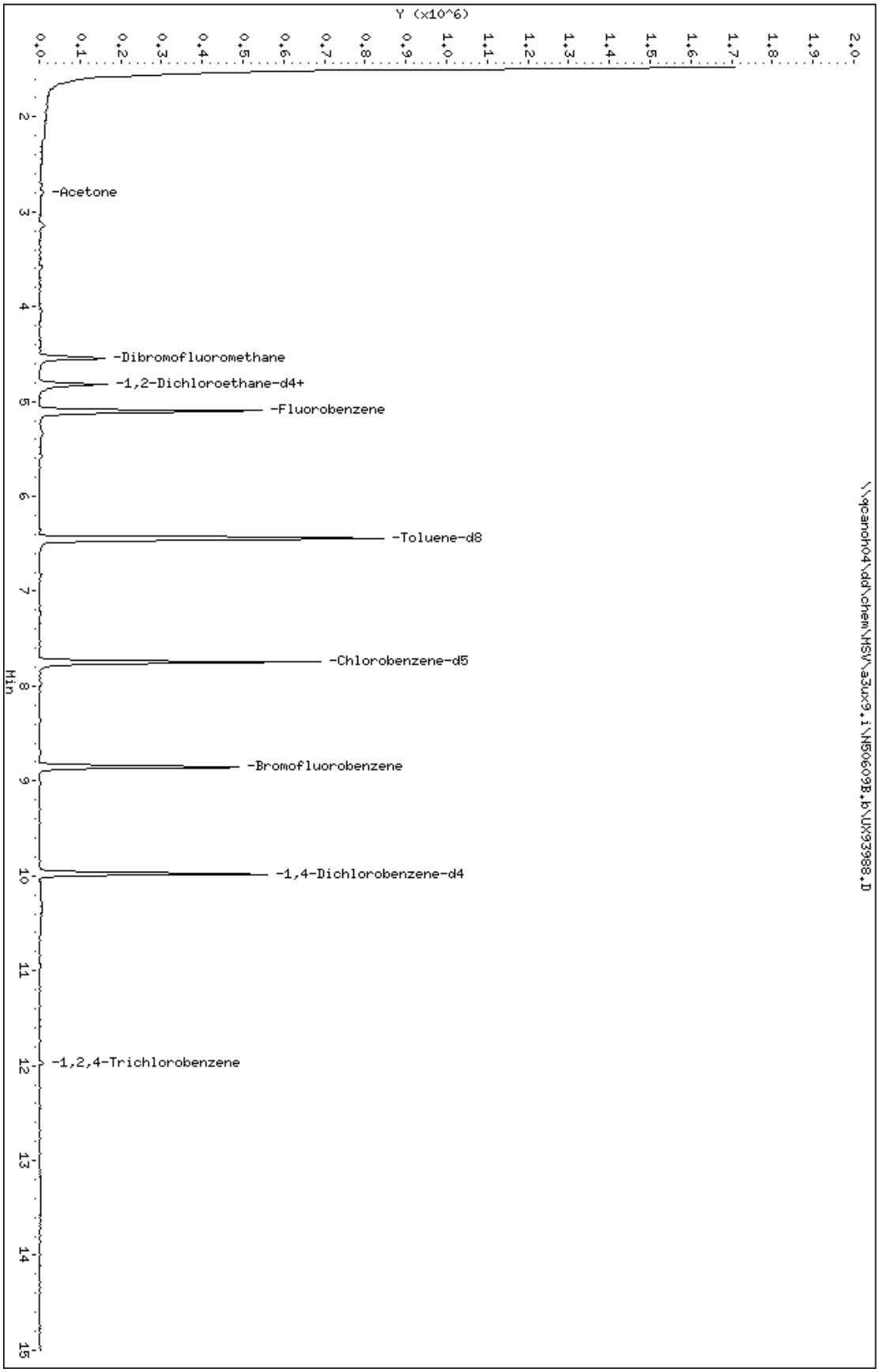
78	sec-Butylbenzene	105	Compound Not Detected.
79	4-Isopropyltoluene	119	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93988.D
Report Date: 10-Jun-2005 11:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.972	11.972	(1.199)	5055	1.62545	0.3251
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93988.D
Date : 09-JUN-2005 16:09
Client ID:
Sample Info: VBLK,5ML/5ML
Purge Volume: 5.0
Column Phase: DB624

Instrument: a3ux9.i
Operator: 1754
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93988.D

Date : 09-JUN-2005 16:09

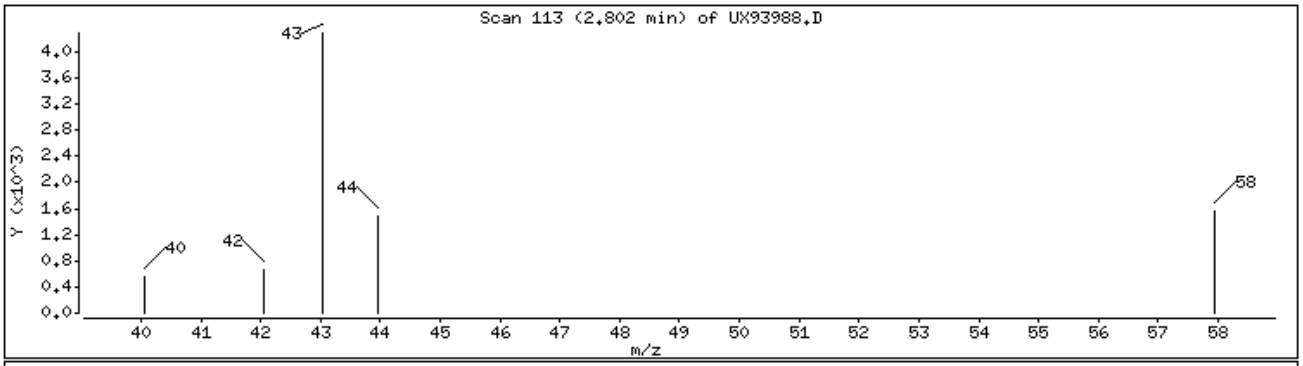
Client ID: Instrument: a3ux9.i

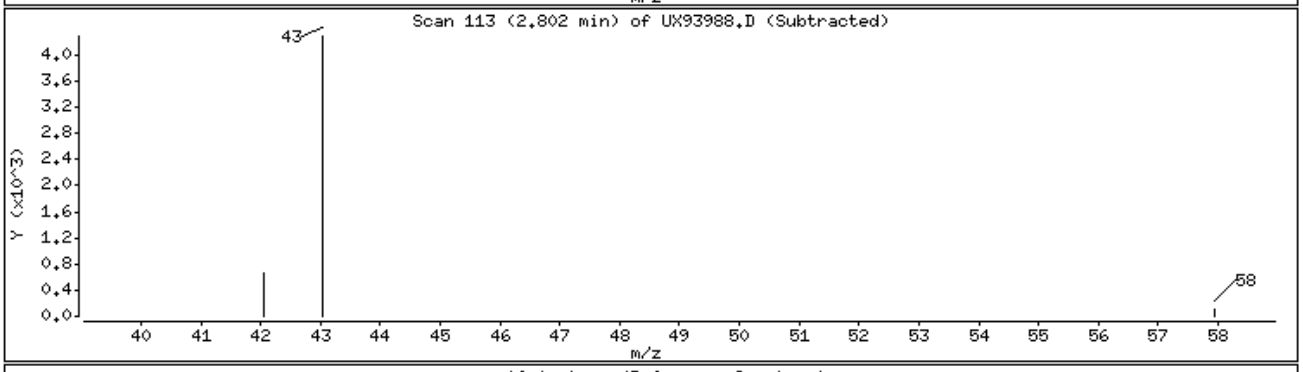
Sample Info: VBLK,5ML/5ML

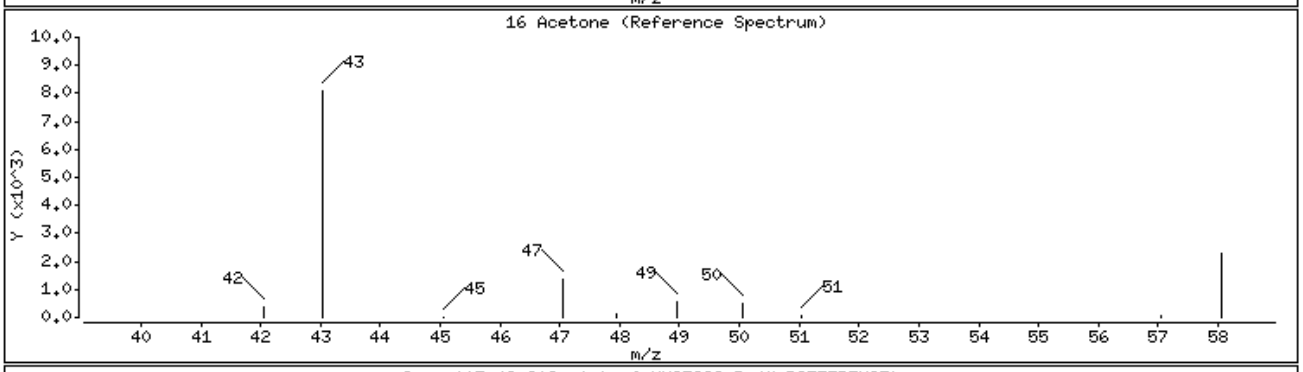
Purge Volume: 5.0 Operator: 1754

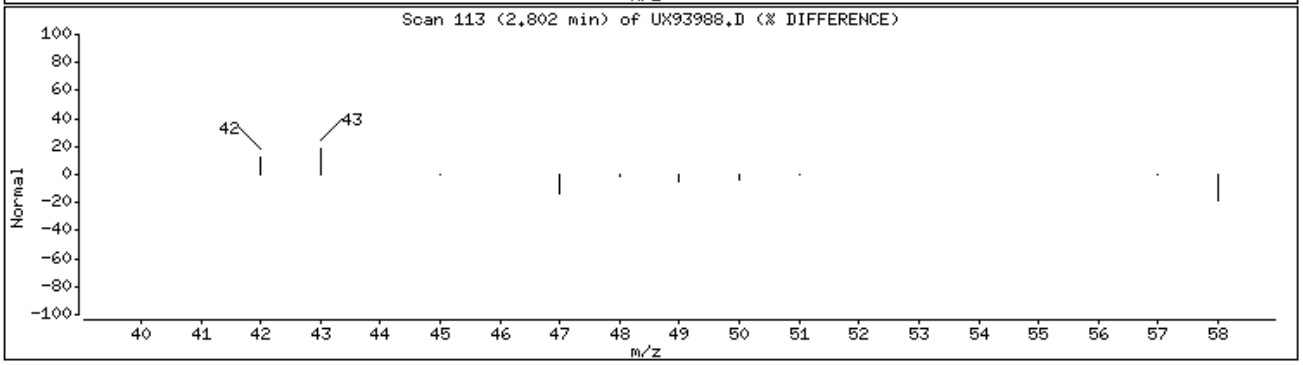
Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 1.552 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93988.D

Date : 09-JUN-2005 16:09

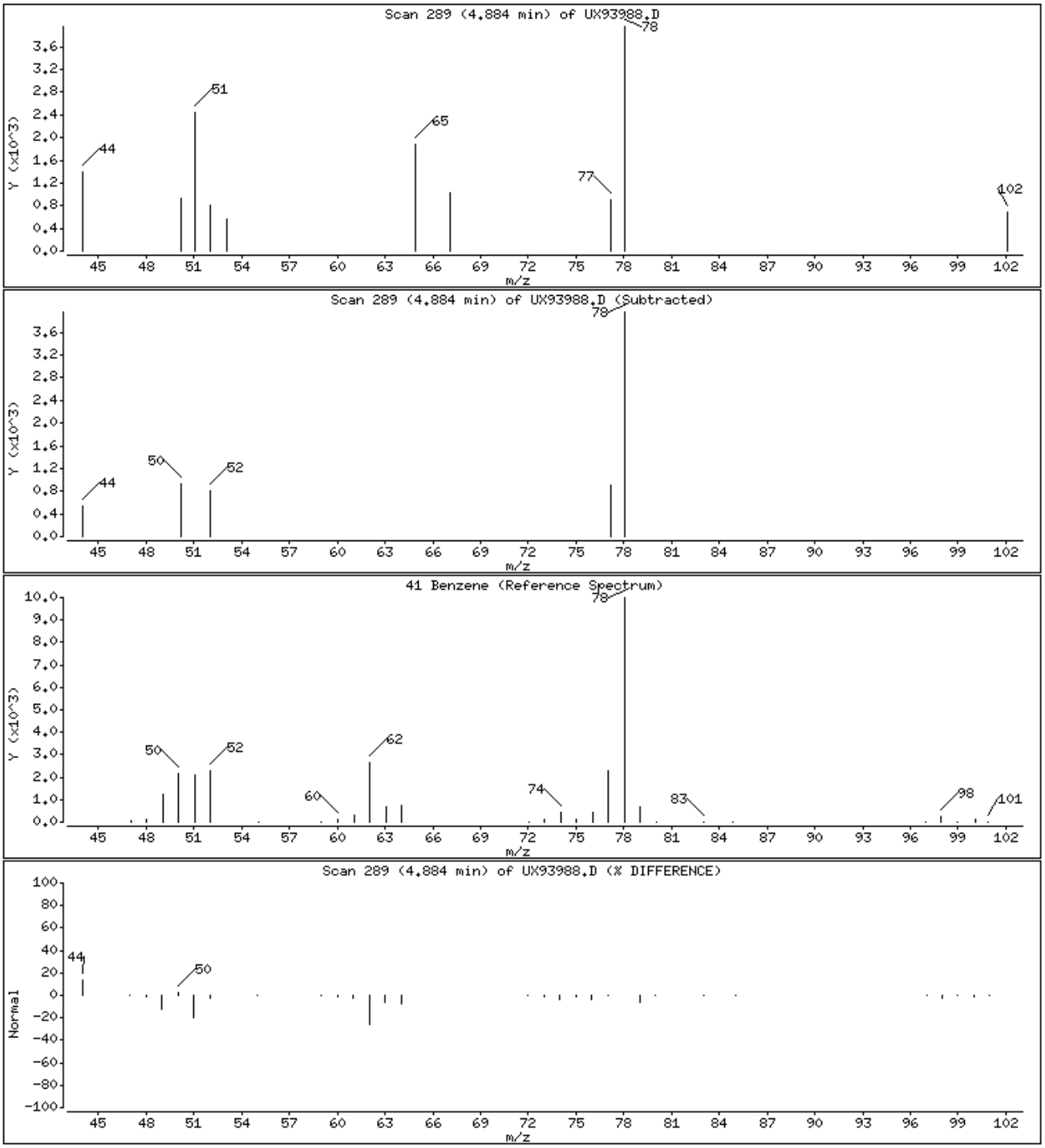
Client ID: | Instrument: a3ux9.i

Sample Info: VBLK,5ML/5ML

Purge Volume: 5.0 | Operator: 1754

Column phase: DB624 | Column diameter: 0.18

41 Benzene | Concentration: 0.1379 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50609B.b\UX93988.D

Date : 09-JUN-2005 16:09

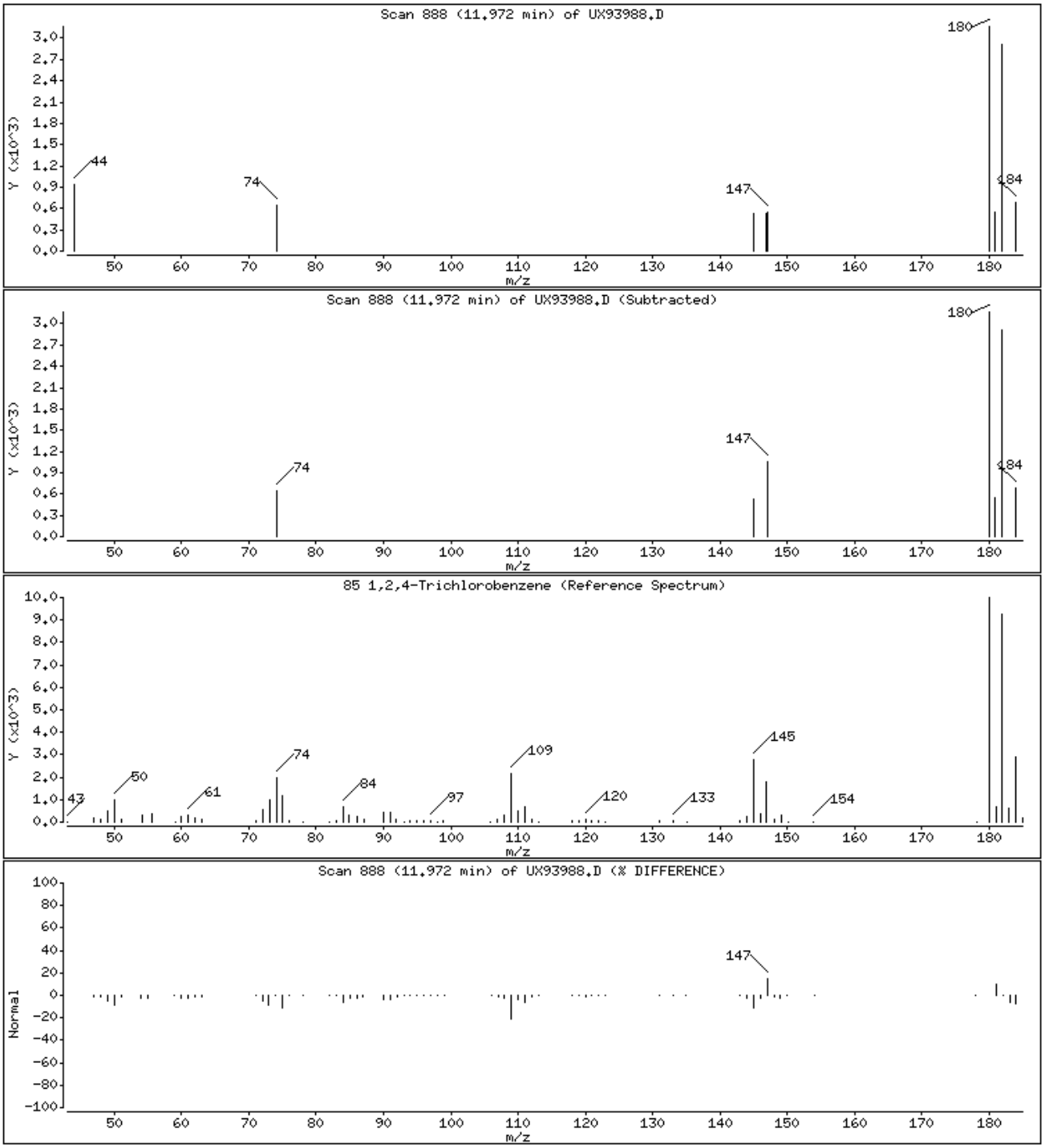
Client ID: Instrument: a3ux9.i

Sample Info: VBLK,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 Column diameter: 0.18

85 1,2,4-Trichlorobenzene Concentration: 0.3251 ug/L



MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A5E280164 **Work Order #...:** HCKEV1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A5E280164-009 HCKEV1AD-MSD
Date Sampled...: 05/27/05 09:25 **Date Received..:** 05/28/05
Prep Date.....: 06/09/05 **Analysis Date..:** 06/09/05
Prep Batch #...: 5160173
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**104**	**(78 - 118)**			**SW846 8260B**
	105	**(78 - 118)**	**0.98**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**95**	**(76 - 117)**			**SW846 8260B**
	98	**(76 - 117)**	**2.3**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**103**	**(62 - 130)**			**SW846 8260B**
	103	**(62 - 130)**	**0.18**	**(0-20)**	**SW846 8260B**
Toluene	**106**	**(70 - 119)**			**SW846 8260B**
	107	**(70 - 119)**	**1.1**	**(0-20)**	**SW846 8260B**
Trichloroethene	**97**	**(62 - 130)**			**SW846 8260B**
	98	**(62 - 130)**	**1.1**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(73 - 122)
	104	(73 - 122)
1,2-Dichloroethane-d4	103	(61 - 128)
	103	(61 - 128)
Toluene-d8	108	(76 - 110)
	107	(76 - 110)
4-Bromofluorobenzene	112	(74 - 116)
	110	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A5E280164 **Work Order #...:** HCKEV1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A5E280164-009 HCKEV1AD-MSD
Date Sampled...: 05/27/05 09:25 **Date Received..:** 05/28/05
Prep Date.....: 06/09/05 **Analysis Date..:** 06/09/05
Prep Batch #...: 5160173
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**10**	**10**	**ug/L**	**104**		**SW846 8260B**
	ND	**10**	**10**	**ug/L**	**105**	**0.98**	**SW846 8260B**
Chlorobenzene	**ND**	**10**	**9.5**	**ug/L**	**95**		**SW846 8260B**
	ND	**10**	**9.8**	**ug/L**	**98**	**2.3**	**SW846 8260B**
1,1-Dichloroethene	**ND**	**10**	**10**	**ug/L**	**103**		**SW846 8260B**
	ND	**10**	**10**	**ug/L**	**103**	**0.18**	**SW846 8260B**
Toluene	**ND**	**10**	**11**	**ug/L**	**106**		**SW846 8260B**
	ND	**10**	**11**	**ug/L**	**107**	**1.1**	**SW846 8260B**
Trichloroethene	**ND**	**10**	**9.7**	**ug/L**	**97**		**SW846 8260B**
	ND	**10**	**9.8**	**ug/L**	**98**	**1.1**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(73 - 122)
	104	(73 - 122)
1,2-Dichloroethane-d4	103	(61 - 128)
	103	(61 - 128)
Toluene-d8	108	(76 - 110)
	107	(76 - 110)
4-Bromofluorobenzene	112	(74 - 116)
	110	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8932.D
Report Date: 09-Jun-2005 11:00

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8932.D
Lab Smp Id: HCKEV1AC Client Smp ID: GW-052705-JK-030
Inj Date : 09-JUN-2005 03:07
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HCKEV1AC,5ML/5ML
Misc Info : P50608B,8260LLUX10,1-8260GM.SUB,1904,3,,MS
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\8260LLUX10.m
Meth Date : 09-Jun-2005 10:51 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 15 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.007	5.008	(1.000)	1074755	50.0000	
* 2 Chlorobenzene-d5	117	7.658	7.659	(1.000)	791720	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.894	9.895	(1.000)	374507	50.0000	
$ 4 Dibromofluoromethane	113	4.439	4.440	(0.887)	230620	52.5631	10.513
$ 5 1,2-Dichloroethane-d4	65	4.723	4.724	(0.943)	275066	51.3408	10.268
$ 6 Toluene-d8	98	6.356	6.357	(0.830)	829912	53.9020	10.780
$ 7 Bromofluorobenzene	95	8.758	8.759	(1.144)	313460	55.9748	11.195
8 Dichlorodifluoromethane	85	1.481	1.482	(0.296)	81543	25.9315	5.186
9 Chloromethane	50	1.623	1.624	(0.324)	253775	41.6071	8.321
10 Vinyl Chloride	62	1.706	1.707	(0.341)	239828	43.9901	8.798
11 Bromomethane	94	1.978	1.967	(0.395)	84764	29.5486	5.910
12 Chloroethane	64	2.049	2.050	(0.409)	163249	47.1366	9.427
13 Trichlorofluoromethane	101	2.238	2.239	(0.447)	329121	48.2213	9.644
16 Acetone	43	2.688	2.677	(0.537)	75777	26.7357	5.347
17 1,1-Dichloroethene	96	2.653	2.653	(0.530)	193356	51.2687	10.254
18 Freon-113	151	2.653	2.653	(0.530)	160139	54.9379	10.988
20 Carbon Disulfide	76	2.842	2.843	(0.568)	599368	47.0987	9.420
21 Methylene Chloride	84	3.043	3.032	(0.608)	256457	45.9738	9.195
24 Methyl tert-butyl ether	73	3.256	3.257	(0.650)	495052	49.3768	9.875
25 trans-1,2-Dichloroethene	96	3.256	3.257	(0.650)	241999	51.8478	10.370

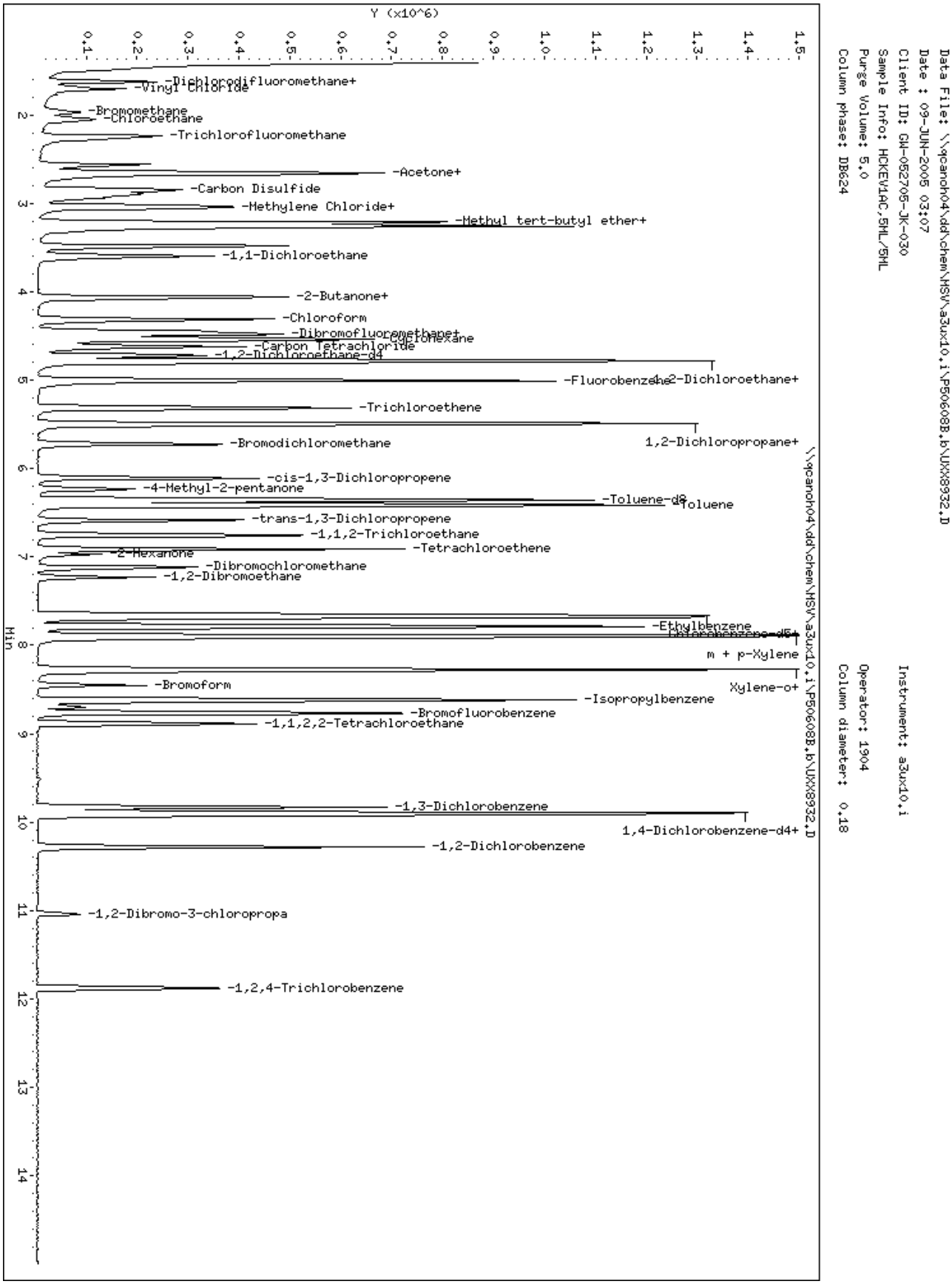
28	1,1-Dichloroethane	63	3.587	3.588 (0.716)	445067	52.2218	10.444
30	2-Butanone	43	4.061	4.061 (0.811)	95792	36.4732	7.295

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8932.D
Report Date: 09-Jun-2005 11:00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
M 31 1,2-Dichloroethene (total)	96				472948	99.0217	19.804
32 cis-1,2-dichloroethene	96	4.061	4.061	(0.811)	230949	47.1739	9.435
35 Chloroform	83	4.309	4.310	(0.861)	416647	50.3549	10.071
37 1,1,1-Trichloroethane	97	4.475	4.475	(0.894)	351183	56.3693	11.274
39 Carbon Tetrachloride	117	4.617	4.617	(0.922)	304423	56.4509	11.290
40 1,2-Dichloroethane	62	4.783	4.783	(0.955)	337145	49.3986	9.880
41 Benzene	78	4.783	4.783	(0.955)	981517	51.7996	10.360
42 Trichloroethene	130	5.315	5.316	(1.061)	239017	48.6209	9.724
43 1,2-Dichloropropane	63	5.493	5.493	(1.097)	253866	52.1446	10.429
46 Bromodichloromethane	83	5.717	5.718	(1.142)	282173	49.0118	9.802
48 cis-1,3-Dichloropropene	75	6.108	6.108	(1.220)	247770	39.9512	7.990
49 4-Methyl-2-pentanone	43	6.226	6.227	(1.243)	147977	34.4996	6.900
50 Toluene	91	6.415	6.416	(0.838)	1024162	53.0355	10.607
51 trans-1,3-Dichloropropene	75	6.581	6.582	(0.859)	239752	46.9194	9.384
53 1,1,2-Trichloroethane	97	6.759	6.747	(0.883)	198802	51.2481	10.250
55 Tetrachloroethene	164	6.912	6.913	(0.903)	198929	51.4707	10.294
56 2-Hexanone	43	6.972	6.972	(0.910)	95707	33.5341	6.707
57 Dibromochloromethane	129	7.114	7.114	(0.929)	193634	47.8726	9.574
58 1,2-Dibromoethane	107	7.232	7.233	(0.944)	175690	48.6058	9.721
59 Chlorobenzene	112	7.682	7.682	(1.003)	651405	47.7150	9.543
61 Ethylbenzene	106	7.788	7.789	(1.017)	318993	48.5178	9.704
62 m + p-Xylene	106	7.895	7.895	(1.031)	850361	104.551	20.910
M 63 Xylenes (total)	106				1218004	148.570	29.714
64 Xylene-o	106	8.273	8.274	(1.080)	367643	44.0190	8.804
65 Styrene	104	8.273	8.274	(1.080)	469403	33.2301	6.646
66 Bromoform	173	8.451	8.451	(1.104)	116398	44.4670	8.893
67 Isopropylbenzene	105	8.616	8.617	(1.125)	792747	42.7227	8.544
68 1,1,2,2-Tetrachloroethane	83	8.889	8.889	(0.898)	229941	54.9913	10.998
80 1,3-Dichlorobenzene	146	9.835	9.824	(0.994)	391357	43.7255	8.745
81 1,4-Dichlorobenzene	146	9.918	9.919	(1.002)	486411	49.8024	9.960
83 1,2-Dichlorobenzene	146	10.285	10.285	(1.039)	401938	46.1736	9.235
85 1,2,4-Trichlorobenzene	180	11.882	11.883	(1.201)	159037	36.1197	7.224
98 Cyclohexane	56	4.534	4.535	(0.905)	295921	46.2113	9.242
143 Methyl Acetate	43	2.948	2.937	(0.589)	131994	32.9734	6.595(A)
144 Methylcyclohexane	83	5.493	5.493	(1.097)	239088	42.5021	8.500(A)
84 1,2-Dibromo-3-chloropropane	157	11.042	11.043	(1.116)	25364	38.6863	7.737

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P506608B.b\UXX8932.D
Date : 09-JUN-2005 03:07
Client ID: GW-052705-JK-030
Sample Info: HCKEV1AC,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acetone+
-Carbon Disulfide
-Methylene Chloride+
-Methyl tert-butyl ether+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-Fluorobenzene
1,2-Dichloroethane+
-Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Ethylbenzene
Chlorobenzene-d5+
m + p-Xylene
Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux10.i\P506608B.b\UXX8932.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8933.D
Report Date: 09-Jun-2005 11:01

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8933.D
Lab Smp Id: HCKEV1AD Client Smp ID: GW-052705-JK-030
Inj Date : 09-JUN-2005 03:32
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HCKEV1AD,5ML/5ML
Misc Info : P50608B,8260LLUX10,1-8260GM.SUB,1904,3,,MSD
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\8260LLUX10.m
Meth Date : 09-Jun-2005 10:51 a3ux10.i Quant Type: ISTD
Cal Date : 16-MAY-2005 23:22 Cal File: UXX8137.D
Als bottle: 16 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.SUB
Target Version: 4.14
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.006	5.008	(1.000)	1098907	50.0000	
* 2 Chlorobenzene-d5	117	7.657	7.659	(1.000)	806907	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.893	9.895	(1.000)	387412	50.0000	
$ 4 Dibromofluoromethane	113	4.438	4.440	(0.887)	233688	52.0917	10.418
$ 5 1,2-Dichloroethane-d4	65	4.722	4.724	(0.943)	281253	51.3419	10.268
$ 6 Toluene-d8	98	6.355	6.357	(0.830)	840601	53.5686	10.714
$ 7 Bromofluorobenzene	95	8.769	8.759	(1.145)	315026	55.1956	11.039
8 Dichlorodifluoromethane	85	1.480	1.482	(0.296)	88998	27.6803	5.536
9 Chloromethane	50	1.622	1.624	(0.324)	260343	41.7458	8.349
10 Vinyl Chloride	62	1.705	1.707	(0.341)	245424	44.0271	8.805
11 Bromomethane	94	1.977	1.967	(0.395)	98104	33.4472	6.689
12 Chloroethane	64	2.060	2.050	(0.411)	169237	47.7916	9.558
13 Trichlorofluoromethane	101	2.237	2.239	(0.447)	347422	49.7839	9.957
16 Acetone	43	2.675	2.677	(0.534)	72845	23.7665	4.753
17 1,1-Dichloroethene	96	2.651	2.653	(0.530)	198071	51.3646	10.273
18 Freon-113	151	2.651	2.653	(0.530)	164751	55.2779	11.056
20 Carbon Disulfide	76	2.852	2.843	(0.570)	623266	47.9002	9.580
21 Methylene Chloride	84	3.042	3.032	(0.608)	250821	43.7204	8.744
24 Methyl tert-butyl ether	73	3.255	3.257	(0.650)	521024	50.8252	10.165
25 trans-1,2-Dichloroethene	96	3.255	3.257	(0.650)	254242	53.2737	10.655

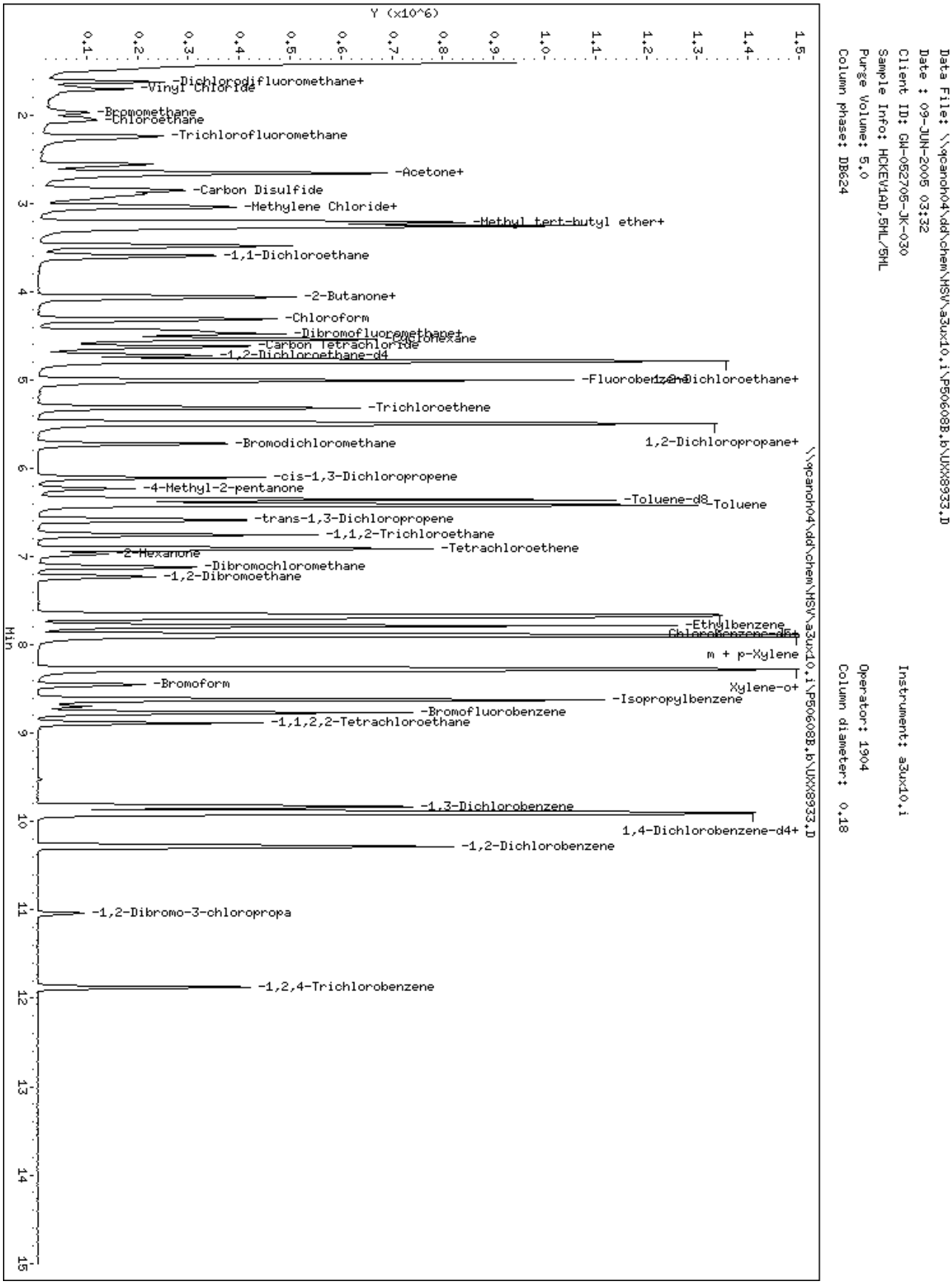
28	1,1-Dichloroethane	63	3.598	3.588 (0.719)	451541	51.8170	10.363
30	2-Butanone	43	4.059	4.061 (0.811)	97365	36.2573	7.251

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50608B.b\UXX8933.D
Report Date: 09-Jun-2005 11:01

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
M 31 1,2-Dichloroethene (total)	96				494373	101.245	20.249
32 cis-1,2-dichloroethene	96	4.059	4.061	(0.811)	240131	47.9714	9.594
35 Chloroform	83	4.308	4.310	(0.861)	429804	50.8034	10.161
37 1,1,1-Trichloroethane	97	4.485	4.475	(0.896)	366320	57.5067	11.501
39 Carbon Tetrachloride	117	4.627	4.617	(0.924)	320504	58.1267	11.625
40 1,2-Dichloroethane	62	4.781	4.783	(0.955)	346722	49.6853	9.937
41 Benzene	78	4.781	4.783	(0.955)	1013549	52.3145	10.463
42 Trichloroethene	130	5.314	5.316	(1.061)	247160	49.1723	9.834
43 1,2-Dichloropropane	63	5.491	5.493	(1.097)	263235	52.8807	10.576
46 Bromodichloromethane	83	5.728	5.718	(1.144)	291707	49.5542	9.911
48 cis-1,3-Dichloropropene	75	6.107	6.108	(1.220)	251636	39.6828	7.936
49 4-Methyl-2-pentanone	43	6.225	6.227	(1.243)	171118	39.0179	7.804
50 Toluene	91	6.414	6.416	(0.838)	1055578	53.6335	10.727
51 trans-1,3-Dichloropropene	75	6.592	6.582	(0.861)	253725	48.7194	9.744
53 1,1,2-Trichloroethane	97	6.757	6.747	(0.883)	200493	50.7113	10.142
55 Tetrachloroethene	164	6.911	6.913	(0.903)	210899	53.5408	10.708
56 2-Hexanone	43	6.970	6.972	(0.910)	112116	38.5441	7.709
57 Dibromochloromethane	129	7.112	7.114	(0.929)	202663	49.1618	9.832
58 1,2-Dibromoethane	107	7.231	7.233	(0.944)	180848	49.0911	9.818
59 Chlorobenzene	112	7.680	7.682	(1.003)	679413	48.8299	9.766
61 Ethylbenzene	106	7.787	7.789	(1.017)	337100	50.3069	10.061
62 m + p-Xylene	106	7.893	7.895	(1.031)	898419	108.380	21.676
M 63 Xylenes (total)	106				1284918	153.716	30.743
64 Xylene-o	106	8.272	8.274	(1.080)	386499	45.3355	9.067
65 Styrene	104	8.284	8.274	(1.082)	556890	38.2858	7.657
66 Bromoform	173	8.449	8.451	(1.104)	119823	44.9139	8.983
67 Isopropylbenzene	105	8.615	8.617	(1.125)	848795	44.7445	8.949
68 1,1,2,2-Tetrachloroethane	83	8.887	8.889	(0.898)	240583	55.6197	11.124
80 1,3-Dichlorobenzene	146	9.834	9.824	(0.994)	410137	44.2973	8.859
81 1,4-Dichlorobenzene	146	9.917	9.919	(1.002)	515223	50.9951	10.199
83 1,2-Dichlorobenzene	146	10.283	10.285	(1.039)	431113	47.8754	9.575
85 1,2,4-Trichlorobenzene	180	11.881	11.883	(1.201)	174021	38.0470	7.609
98 Cyclohexane	56	4.533	4.535	(0.905)	309817	47.3180	9.464
143 Methyl Acetate	43	2.947	2.937	(0.589)	138478	33.8329	6.766(A)
144 Methylcyclohexane	83	5.491	5.493	(1.097)	249540	43.3852	8.677(A)
84 1,2-Dibromo-3-chloropropane	157	11.041	11.043	(1.116)	30300	44.6755	8.935

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 09-JUN-2005 03:32
Client ID: GW-052705-JK-030
Sample Info: HCKEV1AD,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acetone+
-Carbon Disulfide
-Methylene Chloride+
-Methyl tert-butyl ether+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-Fluorobenzene
1,2-Dichloroethane+
-Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Ethylbenzene
Chlorobenzene-d5+
m + p-Xylene
-Bromoform
Xylene-o+
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux10.i\P506608B.b\UXX8933.D

MISCELLANEOUS DATA

UX9
Batch # 5147507

STL-North Canton
GC/MS VOA Run Log

(6-2)

Date: 5-27-5

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @190 C
Flow Rate 0.4ml/min	IS # U3095 SS # U3093	Hold 3 min	Bake: 5 min @ 210 C
			Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status	
	BFB		BFB215	50ng	direct injection	(8:35)	OK	
1	AppIXstd		UX93570	50ng	U3089 U3090	U505 25-A9	OK	
2	8260std		UX93571	250ng	U3092 U3088 U3091		OK	
3			UX93572	100ng		No 2 Clave	OK	
4			UX93573	50ng			OK	
5			UX93574	25ng		U50527	OK	
6			UX93575	5ng			OK	
7			UX93576	2.5ng			OK	
8	Icv/check		UX93577	50ng	U3078	HCJFM IAC	OK	
9	blank		UX93578	5ml		IAA	OK	
10	check		UX93579	50ng	U3078	IAd	OK	
11	HAXTWIAA		UX93580	5ML		6.2	ok	200103
12	HAXTXIAA		81	5ML			ok	
13	HAXTWIAC	MS	82	5ML	+50ng	MS Run# 5147329	ok	
14	HAXTWIAD	MSD	83				ok	
15	HAOQVIAA		84	5ML		6.3	ok	200204
16	HAOQWIAA		85				ok	
17	HAOQXIAA		86				OK	
18	HAORWIAA		87				OK	
19	HAOQLIAA		88	0.625ml/5ml			OK	
20	HAOQTIAA		89	0.875ml/5ml			OK	
21	HAOROIAA		90	1.25ml/5ml		(R)		
22	HAORIIAA		91	5ML		(R)		
23	HAORSIAA		92	0.002ml/5ml			OK	
24	HAOR8IAA		93	5ML			OK	
25	HAOR9IAA		94				OK	
26	HAOTCIAA		95				OK	
27	HAOTDIAA		96				OK	
28	HAO4VIAA		97				OK	
29	HAWJ6IAA		UX93598	1ml/5ml		next tune 6.2		190306
						5-27-5 SHM		

Analyst: SHM
Level 2 review: [illegible]

PDF DONE

UX9

Batch # 516 1119

STL-North Canton
GC/MS VOA Run Log

Date: 6-9-05

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @190 C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 5 min @ 210 C
	IS # V3132 SS # V3142		Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB23H	50ng	Direct Inject	13:23	OK
1	Val Cal		UX93943		V3135 V3136, 37	V050527	OK
2	1A9 Cal		UX93944		V3129, 20	V050525	OK
3	LCS		UX93945		V3129	NDCKM-1AC	ok
4	LCSD		UX93987			1AD	ok
5	V Blank		UX93988	5ml		1AA	ok
6	NCKEK-1AA	6/9	UX93989				ok
7	NCKER1AA		UX93990				ok
8	NCKEQ1AA		UX93990A				OK
9	NCKET-1AA		UX93991				OK
10	NCKEO-1AA		92				OK
11	NCKEI-1AA		93				OK
12	NCHWV1AC		94	0.75ml/5ml		Dil for TIC	OK
13	NCHW91AC		95	5ml			OK
14	NCHXG-1AC		96				OK
15	NCHXH-1AC		97				OK
16	NCHXG-1AC		98				OK
17	NCHXL-1AA		99				OK
18	NCHXT-1AC		00				OK
19	NCHKT-1AL		01				OK
CMR 20	NCHGT-1A9 ~~NCKFG-1AA~~	9/10	02				OK
6-9-05 21	NCHGW-1AL ~~NCKRK-1AA~~		03				OK
22	NCHG1-1AL ~~NCKFP1AA~~		04				OK
23	NCQTO-1AA		05	0.5ml/5ml		Dil for TIC bbt	~~OK~~ CMR 6-10-05
24	NCQT1-1AA		06	5ml		bbt	-
25	NCQT2-1AA		07	0.25ml/5ml		bbt	-
26	NCQTOMS		08	0.5ml/5ml	50ng	Not reported	OK 2253
27	MSD		09	0.5ml/5ml		Auction stopped	-

CMR 6-10-05

Analyst: CMR

Level 2 review: TC

PPF DINE

712

UX10
Batch # 5132405

STL-North Canton
GC/MS VOA Run Log

Date: 5-12-05

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: ~~#10~~ K
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 5 min @ 250 C
	IS # V2978 SS # V2979		Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB1659	50ng		1044	ok
	8260 STD		UXX8023	5ng	V3031 V3036, 38, 49		ok
			24	10ng			ok
			25	25ng		V50512	ok
			26	50ng			ok
			27	100ng			ok
			28	200ng			ok
	ICV		29	50ng	V3028		ok
	CHECK		30	50ng		R- SST	-
	APP. IX STD		31	50ng	V3039, 40	V50428	ok
	CHECK	HAELN	32	50ng	V3028		ok
	BLANK		33	5ML			ok
	6934J1AA		34	0.04ML/5ML			ok
	69X531AA		35	5ML			ok
	69P1Q1AR		36	3ML/5ML			ok
	69X6L1AF		37	0.65ML/5ML			OK
	69X6N1AF		38	0.09ML/5ML		RR 0.75ml cmr	~~OK~~
	6934J 1AD	MS	39	0.04ML/5ML	+ 50ng		OK
	6934J 1AE	MSD	40				OK
	69332 1AA		41	5ML			OK
	69333 1AA		42				OK
	6933P1AA		43	3ML/5ML			OK
	6933Q1AA		44	5ML			OK
	6933R1AA		45	1ML/5ML			OK
	6933T1AA		46	3ML/5ML			OK
	6933V1AA		47	0.75ML/5ML			OK
	6933X1AA		48	5ML			OK
	69330 1AA		49				OK
	69331 1AA		UXX8050	1ML/5ML			OK

6328

Analyst: RO / cmr
Level 2 review:

PPF DONE

UX10
Batch # 5160173

STL-North Canton
GC/MS VOA Run Log

Date: 6-8-05

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #~~10~~ K
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 5 min @ 250 C
	IS # V3080 SS # V3082		Heated purge: Yes No

6/9

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number Sample prep	Comments	Sample status
	BFB		BFB1692	50ng		2054	ok
	8260 STD		UXX8918	50ng		V50512	ok
	APP. IX STD		19	50ng		V50531	ok
	CHECK	HC8WX	20	50ng			ok
	CHECK		21	50ng		SST	-
	BLANK	HC8WX	22	5ML			ok
	HCKEKIAA		23			R- SSD	-
	HCKELIAA		24				ok
	HCKEMIAA		25				ok
	HCKENIAA		26				ok
	HCKEPIAA		27			R- SSD	-
	HCKEQIAA		28				-
	HCKERIAA		29				ok
	HCKETIAA		30			R - SSD	-
	HCKEVIAA		31	5ML			-
	HCKEVIAC	MS	32				ok
	HCKEVIAD	MSD	33				ok
	HCKEXIAA		34	5ML			ok
	HCKEOIAA		35			R- SSD	~~ok~~
	HCKEIIAA		36			R- SSD	-
	HCKFCIAA		37				ok
	HCKFJIAA		38			R- SSD	-
	HCKFKIAA		39				-
	HCKFPIAA		40				-
	HCKFQIAA		41				ok
	HCKFXIAA		42			SSD 1 VIAL ONLY	ok
	HCG9WIAA		43				ok
	HCG7CICT		UXX8944 ~~45~~	1.5ML/5ML			ok
	HCKEVIAA		UXX8945	5ML			ok
						Rel 6-9-05	

Analyst: RO
Level 2 review: [illegible]

PDF Made: ✓

pH/Free Chlorine Worksheet

Lot: A5E280164

A5E280164

Sample	Work Order	SAC	Client Sample ID	pH	Free Chlorine
1	HCKEK-1AA	XX I 25 QK 01	GW-052605-JK-022	<2	N
2	HCKEL-1AA	XX I 25 QK 01	GW-052605-JK-023	<2	N
3	HCKEM-1AA	XX I 25 QK 01	GW-052605-JK-024	<2	N
4	HCKEN-1AA	XX I 25 QK 01	GW-052605-JK-025	<2	N
5	HCKEP-1AA	XX I 25 QK 01	GW-052605-JK-026	<2	N
6	HCKEQ-1AA	XX I 25 QK 01	GW-052605-JK-027	<2	N
7	HCKER-1AA	XX I 25 QK 01	GW-052605-JK-028	<2	N
8	HCKET-1AA	XX I 25 QK 01	GW-052605-JK-029	<2	N
9	HCKEV-1AA	XX I 25 QK 01	GW-052705-JK-030	<2	N
10	HCKEX-1AA	XX I 25 QK 01	GW-052705-JK-031	<2	N
11	HCKE0-1AA	XX I 25 QK 01	GW-052705-JK-032	<2	N
12	HCKE1-1AA	XX I 25 QK 01	TRIP BLANK	<2	N

Lot/SDG Number: **A5E280164**

Sample Control Chain of Custody - STL North Canton
GC/MS Volatiles

Lot Number	Sample	Work Order	Analysis Type	Analysis Date	Analyst
A5E280164	1	HCKEK1AA	Volatile Organics, GC/MS (8260B)	06/09/05	Carolynne Roach
A5E280164	2	HCKEL1AA	Volatile Organics, GC/MS (8260B)	06/08/05	Richard Quayle
A5E280164	3	HCKEM1AA	Volatile Organics, GC/MS (8260B)	06/09/05	Richard Quayle
A5E280164	4	HCKEN1AA	Volatile Organics, GC/MS (8260B)	06/09/05	Richard Quayle
A5E280164	5	HCKEP1AA	Volatile Organics, GC/MS (8260B)	06/09/05	Carolynne Roach
A5E280164	6	HCKEQ1AA	Volatile Organics, GC/MS (8260B)	06/09/05	Carolynne Roach
A5E280164	7	HCKER1AA	Volatile Organics, GC/MS (8260B)	06/09/05	Richard Quayle
A5E280164	8	HCKET1AA	Volatile Organics, GC/MS (8260B)	06/09/05	Carolynne Roach
A5E280164	9	HCKEV1AA	Volatile Organics, GC/MS (8260B)	06/09/05	Richard Quayle
A5E280164	10	HCKEX1AA	Volatile Organics, GC/MS (8260B)	06/09/05	Richard Quayle
A5E280164	11	HCKE01AA	Volatile Organics, GC/MS (8260B)	06/09/05	Carolynne Roach
A5E280164	12	HCKE11AA	Volatile Organics, GC/MS (8260B)	06/09/05	Carolynne Roach

END OF REPORT

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SEVERN TRENT STL

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ANALYTICAL REPORT

PROJECT NO. 34891

EVERGREEN MANOR

Lot #: A5F020226

Julie Czech

Conestoga-Rovers & Associates
8615 W. Bryn Mawr
Chicago, IL 60631

SEVERN TRENT LABORATORIES, INC.

Amy L. McCormick
Project Manager

June 28, 2005

SEVERN TRENT STL

CASE NARRATIVE

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

STL North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. STL North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed below.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals
Methylene chloride	Phthalate Esters	Copper
Acetone		Iron
2-Butanone		Zinc
		Lead*

- *for analyses run on TJA Trace ICP, ICPMS or GFAA only*

QUALITY CONTROL ELEMENTS OF SW-846 METHODS
(Continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable. The acceptance criteria do not apply to samples that are diluted for organics if the native sample amount is 4x the concentration of the spike.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepped and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepped and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide, PCB, and PAH methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria.

STL North Canton Certifications and Approvals:

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225), Illinois (#200004), Kansas (#E10336), Massachusetts (#M-OH048), Maryland (#272), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), North Carolina (#39702), Ohio (#6090), OhioVAP (#CL0024), Rhode Island (#237), South Carolina (#92007001, #92007002, #92007003), Tennessee (#02903), Utah (#QUAN9), Virginia (#00011), West Virginia (#210), Wisconsin (#999518190),NAVY, ARMY, USDA Soil Permit, ACIL Seal of Excellence – Participating Lab Status Award (#82)

SEVERN TRENT STL

EXECUTIVE SUMMARY

EXECUTIVE SUMMARY - Detection Highlights

A5F020226

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
GW-060105-AJ-033 06/01/05 14:30 001				
Tetrachloroethene	1.2	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	0.96 J	1.0	ug/L	SW846 8260B
Trichloroethene	1.1	1.0	ug/L	SW846 8260B
TRIP BLANK 06/01/05 003				
Toluene	0.19 J	1.0	ug/L	SW846 8260B
GW-060105-AJ-035 06/01/05 17:05 004				
Carbon disulfide	1.4	1.0	ug/L	SW846 8260B
Tetrachloroethene	2.4	1.0	ug/L	SW846 8260B
Toluene	0.20 J	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	1.2	1.0	ug/L	SW846 8260B
Trichloroethene	1.4	1.0	ug/L	SW846 8260B
GW-060105-AJ-036 06/01/05 18:07 005				
Bromodichloromethane	0.30 J	1.0	ug/L	SW846 8260B
Carbon disulfide	2.2	1.0	ug/L	SW846 8260B
Chloroform	0.38 J	1.0	ug/L	SW846 8260B
Dibromochloromethane	1.1	1.0	ug/L	SW846 8260B
Tetrachloroethene	0.64 J	1.0	ug/L	SW846 8260B
Toluene	0.22 J	1.0	ug/L	SW846 8260B

SEVERN TRENT STL

METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

A5F020226

PARAMETER	ANALYTICAL METHOD
Volatile Organics by GC/MS	SW846 8260B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SEVERN TRENT STL

SAMPLE SUMMARY

SAMPLE SUMMARY

A5F020226

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HCRCF	001	GW-060105-AJ-033	06/01/05	14:30
HCRDC	003	TRIP BLANK	06/01/05	
HCRED	004	GW-060105-AJ-035	06/01/05	17:05
HCREJ	005	GW-060105-AJ-036	06/01/05	18:07

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SEVERN TRENT STL

SHIPPING AND RECEIVING DOCUMENTS

RSR280

Client: 1628

Lot #: A5F020226

Case Number/SDG: 34891

Storage Location: MS

Severn Trent Laboratories, Inc.
Sample Control Record

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
HCRCF	BURNST	6/02/05	Yes		Storage	
HCRCR	BURNST	6/02/05	Yes		Storage	
HCRDC	BURNST	6/02/05	Yes		Storage	
HCRED	BURNST	6/02/05	Yes		Storage	
HCREJ	BURNST	6/02/05	Yes		Storage	

CONESTOGA-ROVERS & ASSOCIATES
8615 W. Bryn Mawr Avenue
Chicago, Illinois 60631
(773)380-9933 phone
(773)380-6421 fax

CHAIN-OF-CUSTODY RECORD

SHIPPED TO (Laboratory Name): STL North Canton

REFERENCE NUMBER: 34891

PROJECT NAME: Evergreen Manor

SAMPLER'S SIGNATURE: [signature] **PRINTED NAME:** A. Jarrett

SEQ. No.	DATE	TIME	SAMPLE IDENTIFICATION No.	SAMPLE MATRIX	No. OF CONTAINERS	PARAMETERS: VOC	REMARKS
	6-1-05	1430	GW-060105-AJ-033	WATER	3	X	
	6-1-05	930	S-060105-AJ-~~001~~ 034	SOIL	2	X	LIMITED VOLUME/SAMPLES
	↓	—	TRIP BLANK	WATER	2	X	
		1705	GW-060105-AJ-035	↓	3	X	
		1807	↓ ↓ ↓ 036		3	X	
			TOTAL NUMBER OF CONTAINERS		13		

RELINQUISHED BY: ① [signature]	DATE: 6-1-05 TIME: 1930	RECEIVED BY: ②	DATE: TIME:
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: FEDEX **AIR BILL No.** 849013425898

White -Fully Executed Copy
Yellow -Receiving Laboratory Copy
Pink -Shipper Copy
Goldenrod -Sampler Copy

SAMPLE TEAM: A. Jarrett

RECEIVED FOR LABORATORY BY: [signature] 13082
DATE: 6-2-05 TIME: 9:40AM

1001-00(SOURCE)GN-CO004

13

STL North Canton

STL Cooler Receipt Form/Narrative **Lot Number:** A5F020226
North Canton Facility

Client: CRA Project: 34891 Quote#:
Cooler Received on: 6-2-05 Opened on: 6-2-05 by: Josh Vacanti (Signature)

Fedx ☑ Client Drop Off ☐ UPS ☐ DHL ☐ FAS ☐ Other:
STL Cooler No# Foam Box ☐ Client Cooler ☑ Other

1. Were custody seals on the outside of the cooler? Yes ☐ No ☑ Intact? Yes ☐ No ☐ NA ☑
   If YES, Quantity
   Were the custody seals signed and dated? Yes ☐ No ☑ NA ☐
2. Shipper's packing slip attached to this form? Yes ☑ No ☐ NA ☐
3. Did custody papers accompany the samples? Yes ☑ No ☐ Relinquished by client? Yes ☑ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☐ No ☐
5. Packing material used: Bubble Wrap ☑ Foam ☐ None ☐ Other :
6. Cooler temperature upon receipt 2.6 °C (see back of form for multiple coolers/temp)

METHOD: Temp Vial ☐ Coolant & Sample ☐ Against Bottles ☑ IR ☑ ICE/H_2O Slurry ☐
COOLANT: Wet Ice ☑ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐

7. Did all bottles arrive in good condition (Unbroken)? Yes ☑ No ☐
8. Could all bottle labels and/or tags be reconciled with the COC? Yes ☑ No ☐
9. Were samples at the correct pH? (record below/on back) Yes ☐ No ☐ NA ☑
10. Were correct bottles used for the tests indicated? Yes ☑ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☑ NA ☐
12. Sufficient quantity received to perform indicated analyses? Yes ☑ No ☐

Contacted PM Date: by: via Voice Mail ☐ Verbal ☐ Other ☐
Concerning:

√		

1. CHAIN OF CUSTODY

The following discrepancies occurred:

2. SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.
Sample(s) were received in a broken container.

3. SAMPLE PRESERVATION

Sample(s) were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot # 030905-HNO3; Sulfuric Acid Lot # 102804-H2SO4; Sodium Hydroxide Lot # -100504-NaOH; Hydrochloric Acid Lot # 100504-HCl; Sodium Hydroxide and Zinc Acetate Lot # 071604-CH3COO2ZN/NaOH*
Sample(s) were received with bubble > 6 mm in diameter (cc: PM)

4. Other (see below or back)

Client ID	pH	Date	Initials

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Cooler	Temp	Method	Coolant

Discrepancies Cont.

GCMS VOLATILE DATA

QC SUMMARY DATA

SW846 8260B SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F020226

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	GW-060105-AJ-033	97	99	95	94	00
02	TRIP BLANK	99	98	103	97	00
03	INTRA-LAB QC	100	101	100	98	00
04	GW-060105-AJ-035	98	102	98	95	00
05	GW-060105-AJ-036	100	100	99	99	00
06	METHOD BLK. HDK4X1AA	102	97	100	91	00
07	LCS HDK4X1AC	103	103	104	102	00
08	LAB MS/MSD D	99	104	103	102	00
09	LCSD HDK4X1AD	99	100	102	95	00
10	LAB MS/MSD S	102	101	102	99	00

SURROGATES		QC LIMITS
SRG01	= Dibromofluoromethane	(73-122)
SRG02	= 1,2-Dichloroethane-d4	(61-128)
SRG03	= Toluene-d8	(76-110)
SRG04	= 4-Bromofluorobenzene	(74-116)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F140000 WO #: HDK4X1AC
BATCH: 5165463

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	10	104	63 - 130	
Trichloroethene	10	9.9	99	75 - 122	
Benzene	10	9.6	96	80 - 116	
Toluene	10	9.7	97	74 - 119	
Chlorobenzene	10	10	100	76 - 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F140000 WO #: HDK4X1AD
BATCH: 5165463

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	10	102	63 - 130	
Trichloroethene	10	9.9	99	75 - 122	
Benzene	10	9.7	97	80 - 116	
Toluene	10	9.8	98	74 - 119	
Chlorobenzene	10	9.8	98	76 - 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: A5F020231 WO #: HCRD31AC
BATCH: 5165463

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	670	ND	680	102	62- 130	
Trichloroethene	670	ND	610	92	62- 130	
Benzene	670	ND	660	98	78- 118	
Toluene	670	46	690	96	70- 119	
Chlorobenzene	670	ND	660	99	76- 117	

NOTES(S):

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: A5F020231 WO #: HCRD31AD
BATCH: 5165463

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	670	660	99	3.4	20	62- 130	
Trichloroethene	670	620	93	0.95	20	62- 130	
Benzene	670	640	95	3.2	20	78- 118	
Toluene	670	680	95	0.97	20	70- 119	
Chlorobenzene	670	640	96	2.7	20	76- 117	

NOTES(S):

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 5 outside limits

COMMENTS:

FORM III

BLANK WORKORDER NO.

HDK4X1AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:

Lab File ID: UX124538.

Lot Number: A5F020226

Date Analyzed: 06/14/05

Time Analyzed: 07:06

Matrix: WATER

Date Extracted:06/14/05

GC Column: DB-624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX12

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	GW-060105-AJ-033	HCRCF1AA	UX124553.	06/14/05	13:29
02	TRIP BLANK	HCRDC1AC	UX124554.	06/14/05	13:55
03	INTRA-LAB QC	HCRD31AA	UX124546.	06/14/05	10:30
04	LAB MS/MSD	HCRD31AC S	UX124547.	06/14/05	10:55
05	LAB MS/MSD	HCRD31AD D	UX124548.	06/14/05	11:21
06	GW-060105-AJ-035	HCRED1AC	UX124555.	06/14/05	14:20
07	GW-060105-AJ-036	HCREJ1AC	UX124556.	06/14/05	14:46
08	CHECK SAMPLE	HDK4X1AC C	UX124536.	06/14/05	06:14
09	DUPLICATE CHECK	HDK4X1AD L	UX124537.	06/14/05	06:40
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
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COMMENTS:

FORM IV

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5F020226

Lab File ID: BFB012 BFB Injection Date: 06/12/05

Instrument ID: A3UX12 BFB Injection Time: 1641

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.4
75	30.0 - 60.0% of mass 95	54.6
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	50.0 - 100.0% of mass 95	77.8
175	5.0 - 9.0% of mass 174	6.6 (8.5)1
176	Greater than 95.0%, but less than 101.0% of mass 174	74.4 (95.8)1
177	5.0 - 9.0% of mass 176	5.0 (6.8)2

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

THIS TUNE 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	250NG-IC	UX124489	06/12/05	1707
02	VSTD020	100NG-IC	UX124490	06/12/05	1733
03	VSTD010	50NG-IC	UX124491	06/12/05	1758
04	VSTD005	25NG-IC	UX124492	06/12/05	1824
05	VSTD001	5NG-IC	UX124493	06/12/05	1849
06	VSTD0.5	2.5NG-IC	UX124494	06/12/05	1915
07					
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page 1 of 1

FORM V VOA 1/87 Rev.

5A

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5F020226

Lab File ID: BFB014A BFB Injection Date: 06/14/05

Instrument ID: A3UX12 BFB Injection Time: 0458

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.5
75	30.0 - 60.0% of mass 95	54.1
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	50.0 - 100.0% of mass 95	75.6
175	5.0 - 9.0% of mass 174	6.1 (8.0)1
176	Greater than 95.0%, but less than 101.0% of mass 174	74.0 (97.9)1
177	5.0 - 9.0% of mass 176	5.1 (6.8)2

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

THIS TUNE 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	50NG-CC	UX124535	06/14/05	0549
02	HDK4X-CHK	HDK4X1AC	UX124536	06/14/05	0614
03	HDK4X-CKDUP	HDK4X1AD	UX124537	06/14/05	0640
04	HDK4X-BLK	HDK4X1AA	UX124538	06/14/05	0706
05	GW-060105-AJ	HCRCF1AA	UX124553	06/14/05	1329
06	TRIP BLANK	HCRDC1AC	UX124554	06/14/05	1355
07	GW-060105-AJ	HCRED1AC	UX124555	06/14/05	1420
08	GW-060105-AJ	HCREJ1AC	UX124556	06/14/05	1446
09					
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page 1 of 1

FORM V VOA 1/87 Rev.

8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5F020226

Lab File ID (Standard): UX124535 Date Analyzed: 06/14/05

Instrument ID: A3UX12 Time Analyzed: 0549

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

		IS1(CBZ) AREA #	RT	IS2(DCB) AREA #	RT	IS3 AREA #	RT
	12 HOUR STD	488934	7.61	259534	9.84	629589	4.97
	UPPER LIMIT	977868	8.11	519068	10.34	1259178	5.47
	LOWER LIMIT	244467	7.11	129767	9.34	314795	4.47
	EPA SAMPLE NO.						
01	HDK4X-CHK	484718	7.61	254959	9.84	628319	4.97
02	HDK4X-CKDUP	498431	7.61	258165	9.82	638618	4.97
03	HDK4X-BLK	470218	7.61	242376	9.84	613176	4.97
04	GW-060105-AJ	464450	7.61	235333	9.84	586268	4.97
05	TRIP BLANK	450814	7.61	235390	9.84	588945	4.97
06	GW-060105-AJ	453954	7.61	241314	9.84	580317	4.97
07	GW-060105-AJ	457763	7.61	242526	9.82	572500	4.97
08							
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22							

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DCB) = 1,4-Dichlorobenzene-d4
IS3 = Fluorobenzene

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk.

page 1 of 1

FORM VIII VOA 1/87 Rev.

SAMPLE DATA

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-060105-AJ-033

GC/MS Volatiles

Lot-Sample #...: A5F020226-001 **Work Order #...:** HCRCF1AA **Matrix.....:** WG
Date Sampled...: 06/01/05 14:30 **Date Received..:** 06/02/05
Prep Date.....: 06/14/05 **Analysis Date..:** 06/14/05
Prep Batch #...: 5165463
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-060105-AJ-033

GC/MS Volatiles

Lot-Sample #...: A5F020226-001 **Work Order #...:** HCRCF1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**1.2**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	**0.96 J**	**1.0**	**ug/L**
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**1.1**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(73 - 122)
1,2-Dichloroethane-d4	99	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	94	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\UX124553.D
Report Date: 14-Jun-2005 16:17

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\UX124553.D
Lab Smp Id: HCRCF1AA Client Smp ID: GW-060105-AJ-033
Inj Date : 14-JUN-2005 13:29
Operator : 1903 Inst ID: a3ux12.i
Smp Info : HCRCF1AA,5ML/5ML
Misc Info : T50614A,8260LLUX12,1-8260GM.SUB,1903
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux12.i\T50614A.b\8260LLUX12.m
Meth Date : 14-Jun-2005 06:05 Quant Type: ISTD
Cal Date : 01-APR-2005 23:46 Cal File: UX122779.D
Als bottle: 51
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.SUB
Target Version: 4.14
Processing Host: QCANOH04

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

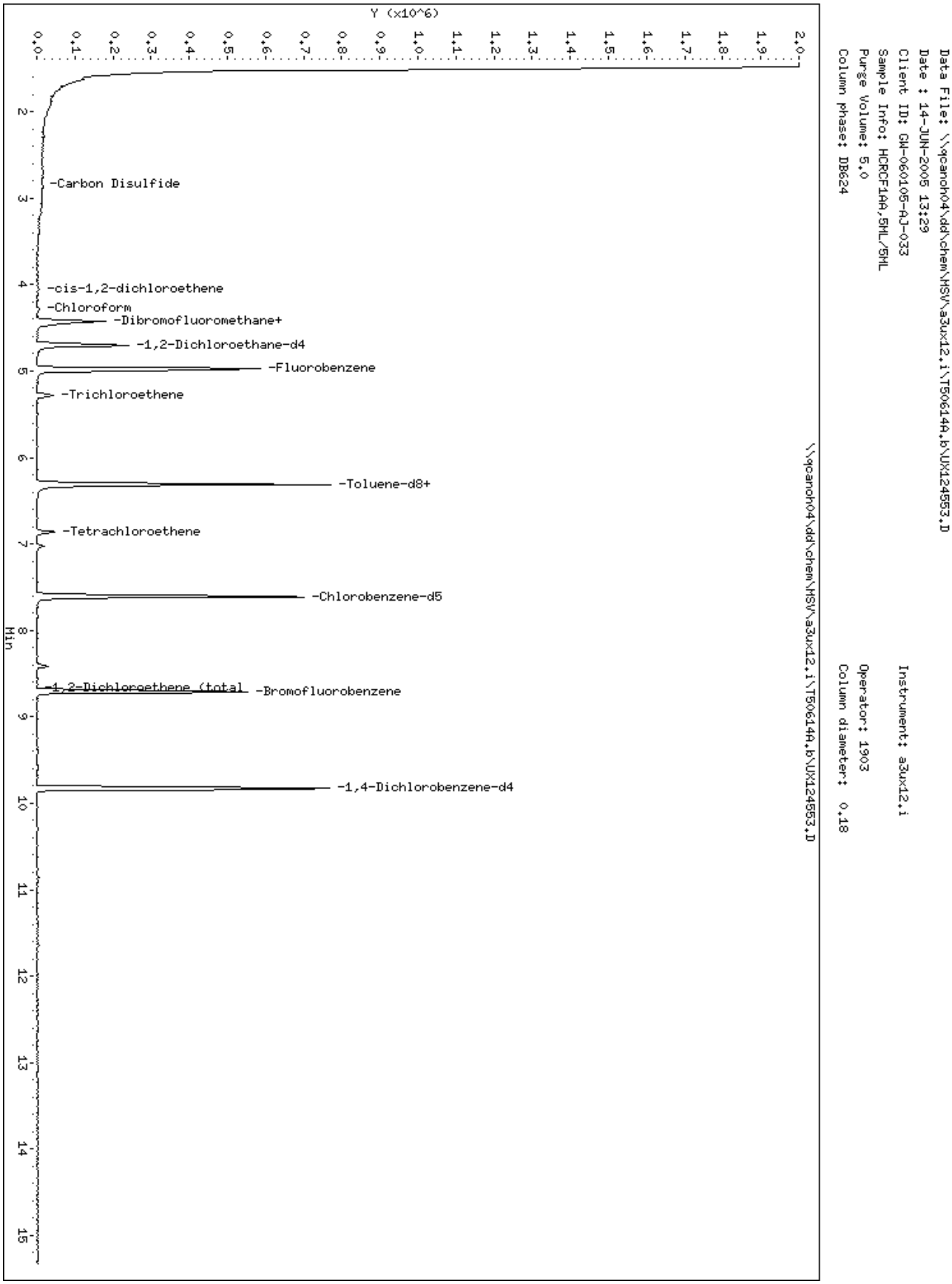
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.973	4.973	(1.000)	586268	50.0000	
* 2 Chlorobenzene-d5	117	7.611	7.611	(1.000)	464450	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.836	9.836	(1.000)	235333	50.0000	
$ 4 Dibromofluoromethane	113	4.428	4.428	(0.891)	129011	48.6049	9.721
$ 5 1,2-Dichloroethane-d4	65	4.701	4.701	(0.945)	193439	49.5056	9.901
$ 6 Toluene-d8	98	6.310	6.310	(0.829)	521965	47.4143	9.483
$ 7 Bromofluorobenzene	95	8.712	8.712	(1.145)	212013	47.1461	9.429
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.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
20 Carbon Disulfide	76	2.843	2.855	(0.572)	7011	0.64591	0.1292
21 Methylene Chloride	84	Compound Not Detected.					
24 Methyl tert-butyl ether	73	Compound Not Detected.					
25 trans-1,2-Dichloroethene	61	Compound Not Detected.					

28	1,1-Dichloroethane	63	Compound Not Detected.
30	2-Butanone	43	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\UX124553.D
Report Date: 14-Jun-2005 16:17

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
M 31 1,2-Dichloroethene (total)	61				4120	0.87602	0.1752
32 cis-1,2-dichloroethene	61	4.050	4.050	(0.814)	4120	0.87602	0.1752
35 Chloroform	83	4.298	4.298	(0.864)	3483	0.67149	0.1343
37 1,1,1-Trichloroethane	97	4.452	4.452	(0.895)	18504	4.80007	0.9600
39 Carbon Tetrachloride	117	Compound Not Detected.					
40 1,2-Dichloroethane	62	Compound Not Detected.					
41 Benzene	78	Compound Not Detected.					
42 Trichloroethene	130	5.280	5.280	(1.062)	16877	5.46638	1.093
43 1,2-Dichloropropane	63	Compound Not Detected.					
46 Bromodichloromethane	83	Compound Not Detected.					
48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
49 4-Methyl-2-pentanone	43	Compound Not Detected.					
50 Toluene	91	6.369	6.369	(0.837)	8581	0.65185	0.1304
51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
53 1,1,2-Trichloroethane	97	Compound Not Detected.					
55 Tetrachloroethene	164	6.866	6.866	(0.902)	12348	6.03421	1.207
56 2-Hexanone	43	Compound Not Detected.					
57 Dibromochloromethane	129	Compound Not Detected.					
58 1,2-Dibromoethane	107	Compound Not Detected.					
59 Chlorobenzene	112	Compound Not Detected.					
61 Ethylbenzene	91	Compound Not Detected.					
62 m + p-Xylene	91	Compound Not Detected.					
M 63 Xylenes (total)	91	Compound Not Detected.					
64 Xylene-o	91	Compound Not Detected.					
65 Styrene	104	Compound Not Detected.					
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					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Date : 14-JUN-2005 13:29
Client ID: GW-060105-AJ-033
Sample Info: HCRCF1AA,5ML/5ML
Purge Volume: 5.0
Column Phase: DB624
Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18
Y (x10^6)
Min
-Carbon Disulfide
-cis-1,2-dichloroethene
-Chloroform
-Dibromofluoromethane+
-1,2-Dichloroethane-d4
-Fluorobenzene
-Trichloroethene
-Toluene-d8+
-Tetrachloroethene
-Chlorobenzene-d5
-1,2-Dichloroethene (total
-Bromofluorobenzene
-1,4-Dichlorobenzene-d4
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Date : 14-JUN-2005 13:29

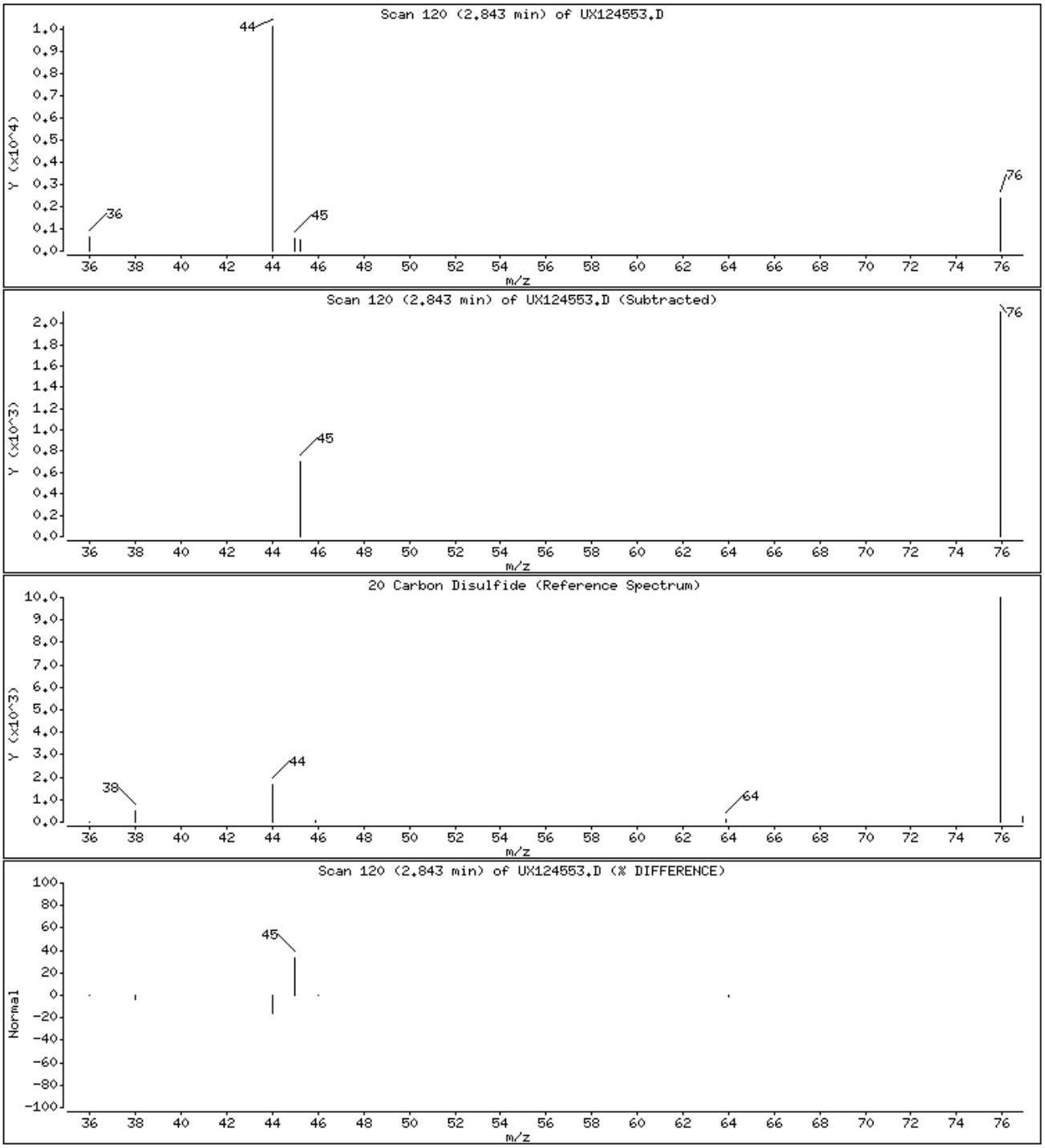
Client ID: GW-060105-AJ-033 Instrument: a3ux12.i

Sample Info: HCRCF1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

20 Carbon Disulfide Concentration: 0.1292 ug/L



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Date : 14-JUN-2005 13:29

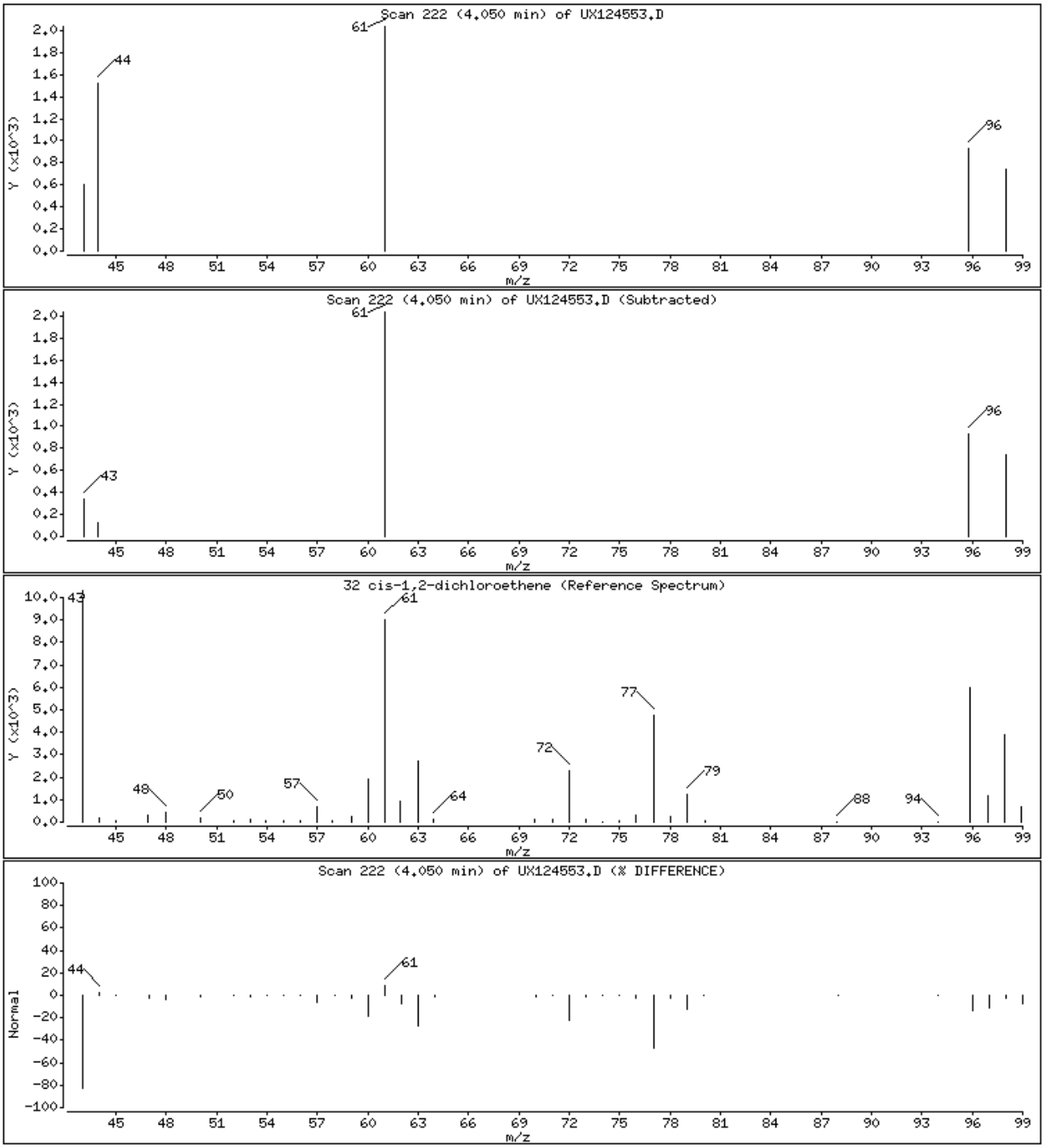
Client ID: GW-060105-AJ-033 Instrument: a3ux12.i

Sample Info: HCRCF1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 0.1752 ug/L



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Date : 14-JUN-2005 13:29

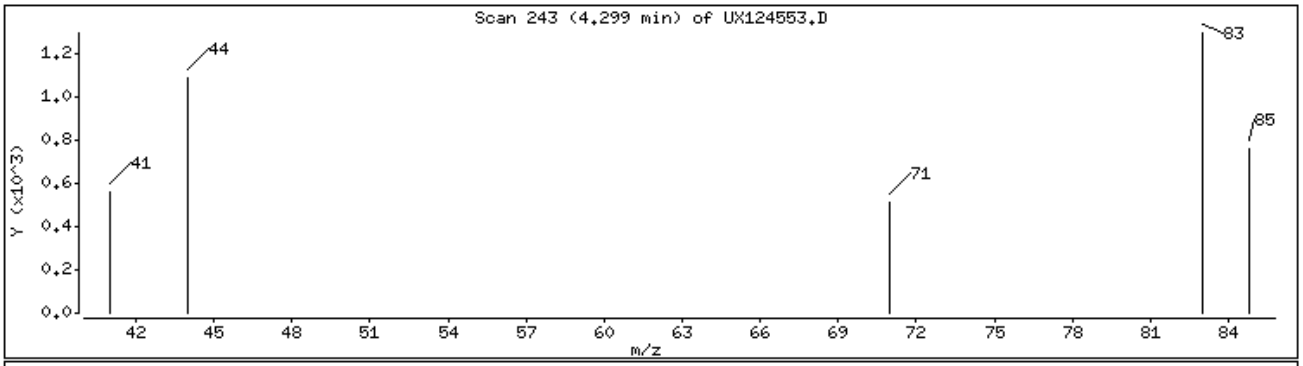
Client ID: GW-060105-AJ-033 Instrument: a3ux12.i

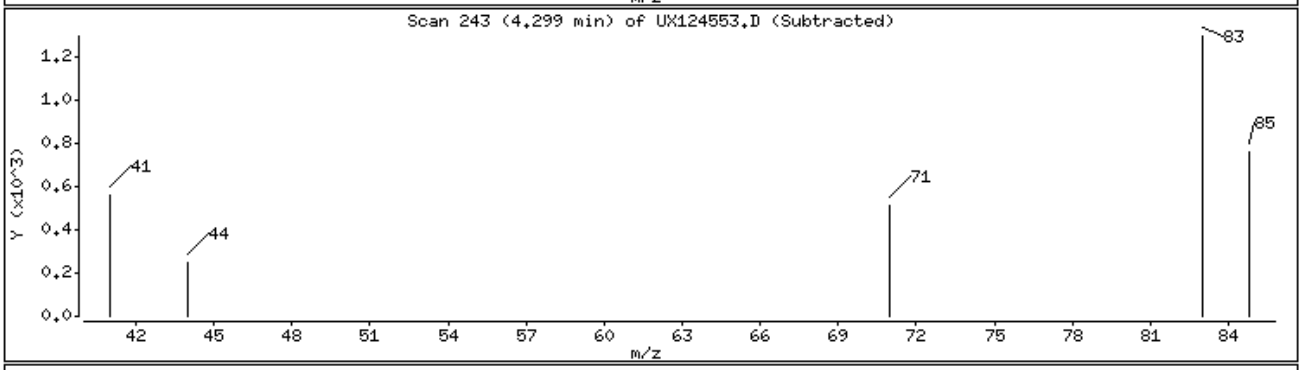
Sample Info: HCRCF1AA,5ML/5ML

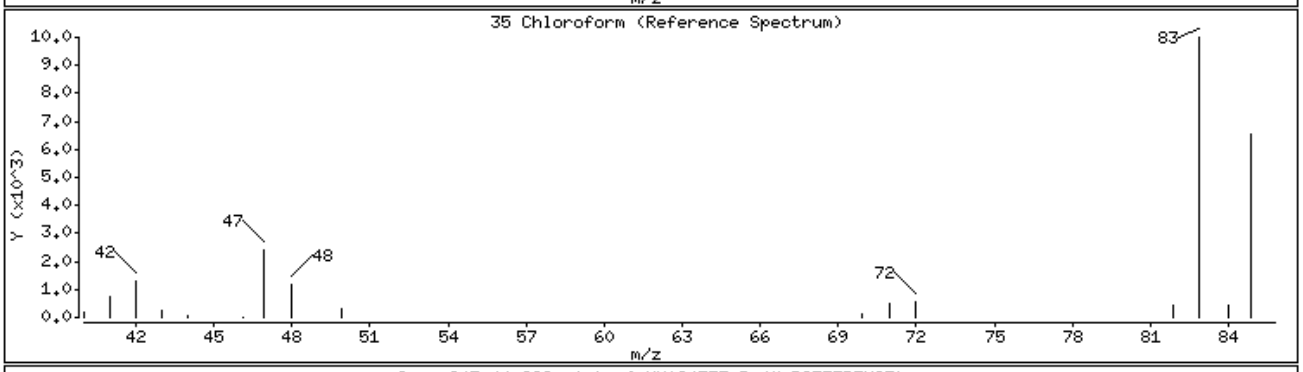
Purge Volume: 5.0 Operator: 1903

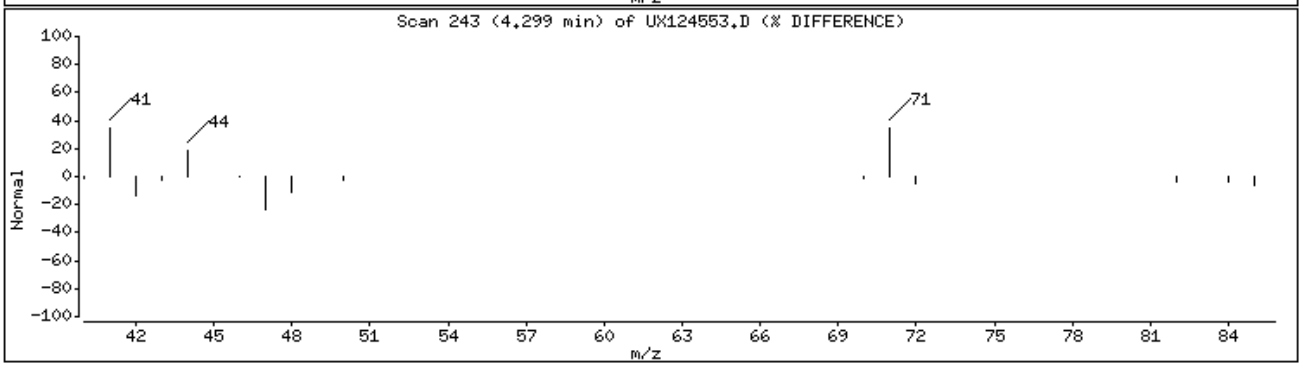
Column phase: DB624 Column diameter: 0.18

35 Chloroform Concentration: 0.1343 ug/L









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Date : 14-JUN-2005 13:29

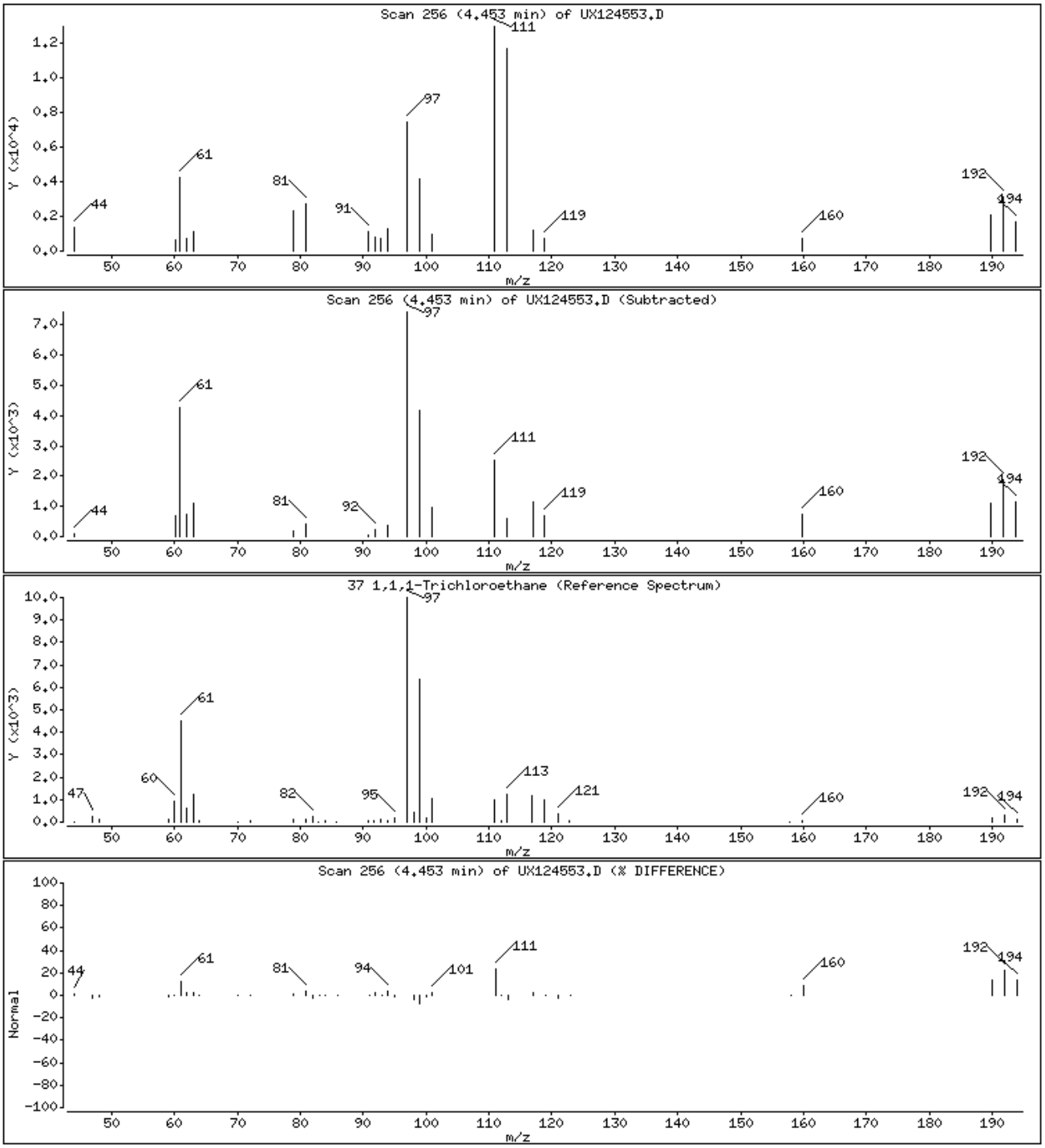
Client ID: GW-060105-AJ-033 Instrument: a3ux12.i

Sample Info: HCRCF1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

37 1,1,1-Trichloroethane Concentration: 0.9600 ug/L



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Date : 14-JUN-2005 13:29

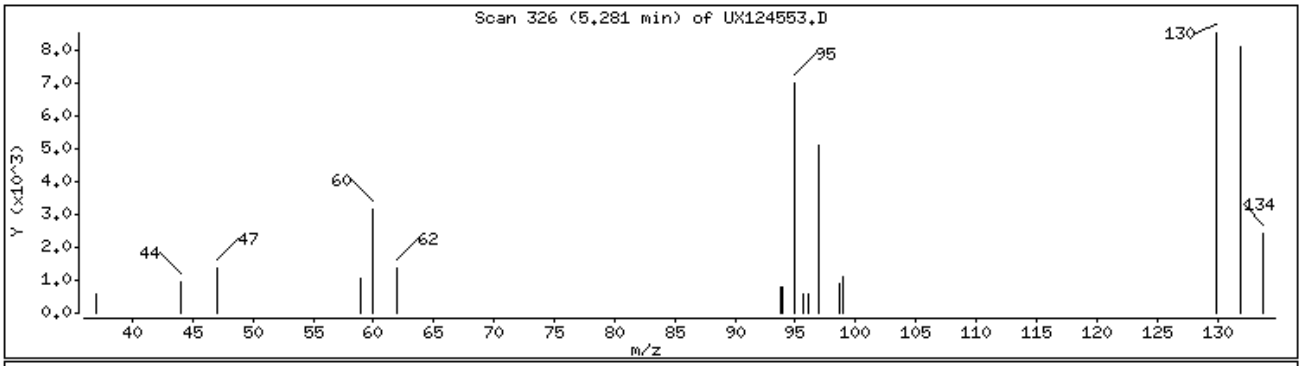
Client ID: GW-060105-AJ-033 Instrument: a3ux12.i

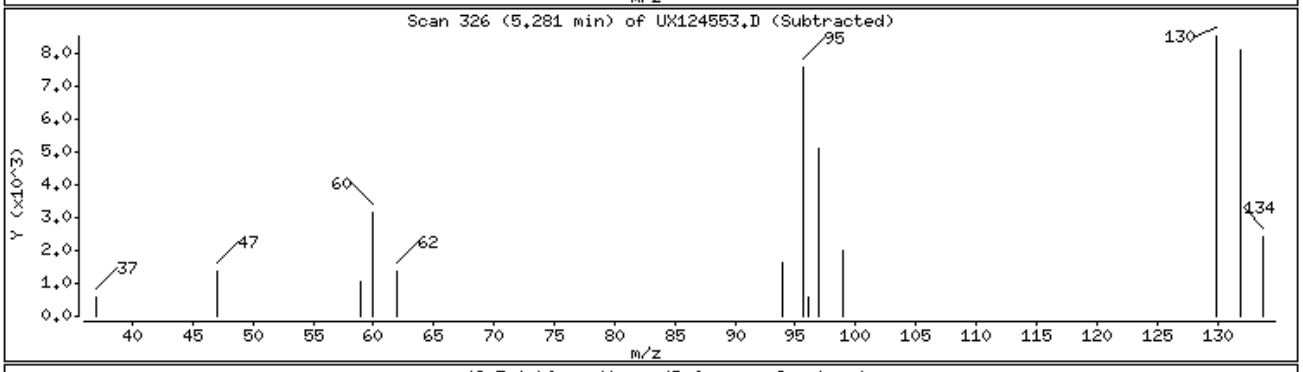
Sample Info: HCRCF1AA,5ML/5ML

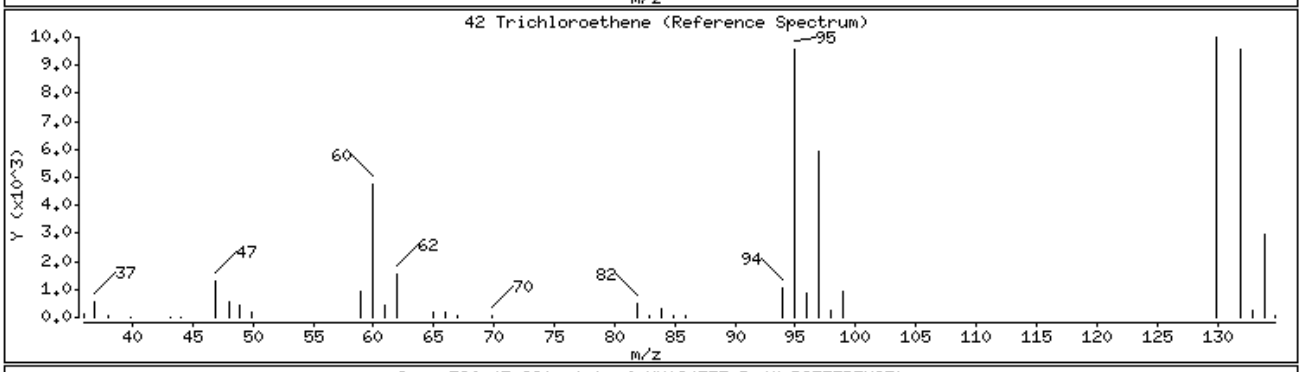
Purge Volume: 5.0 Operator: 1903

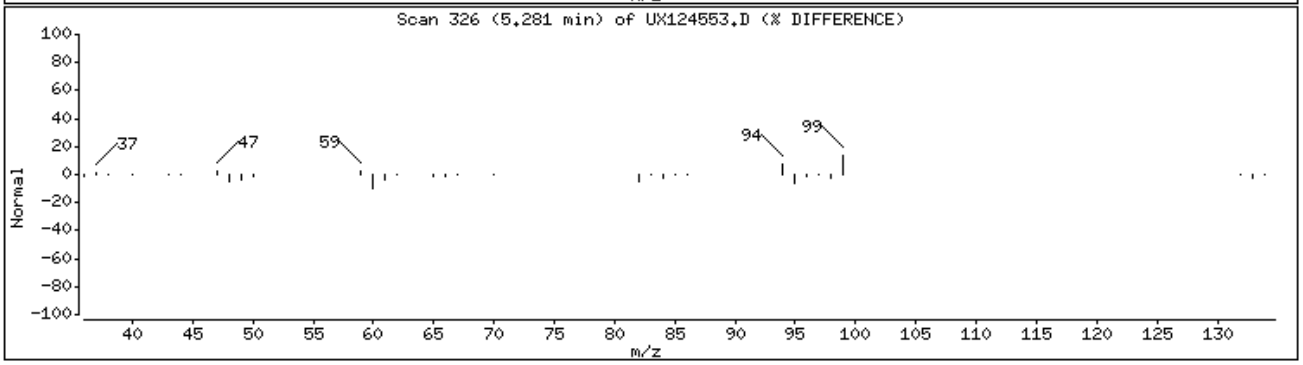
Column phase: DB624 Column diameter: 0.18

42 Trichloroethene Concentration: 1.093 ug/L









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Date : 14-JUN-2005 13:29

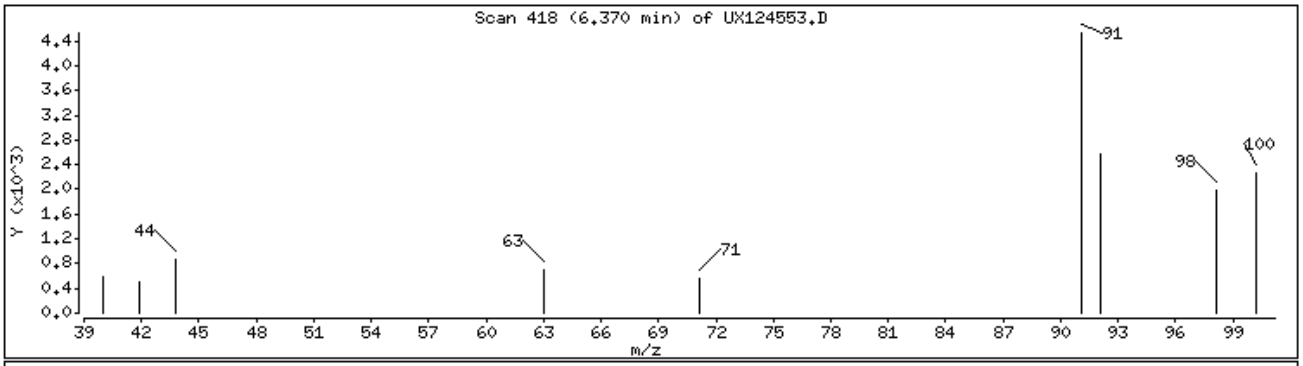
Client ID: GW-060105-AJ-033 Instrument: a3ux12.i

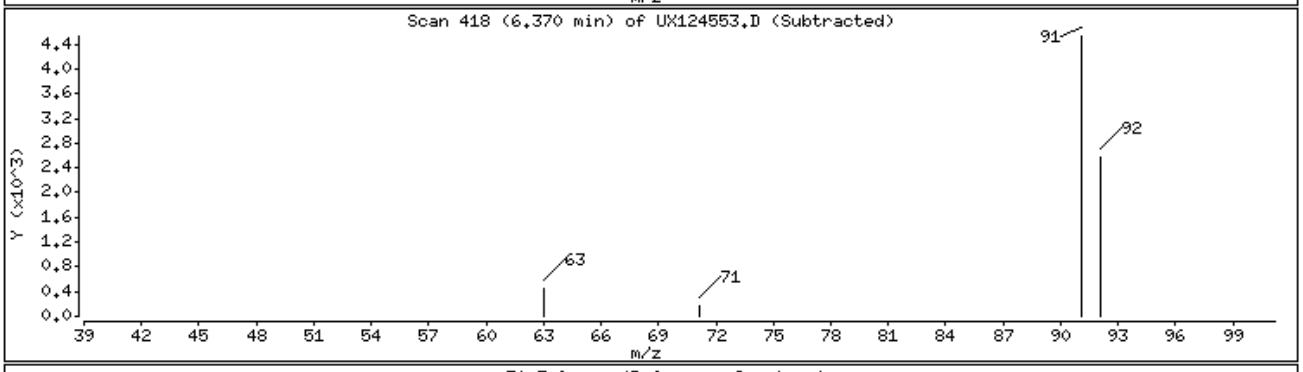
Sample Info: HCRCF1AA,5ML/5ML

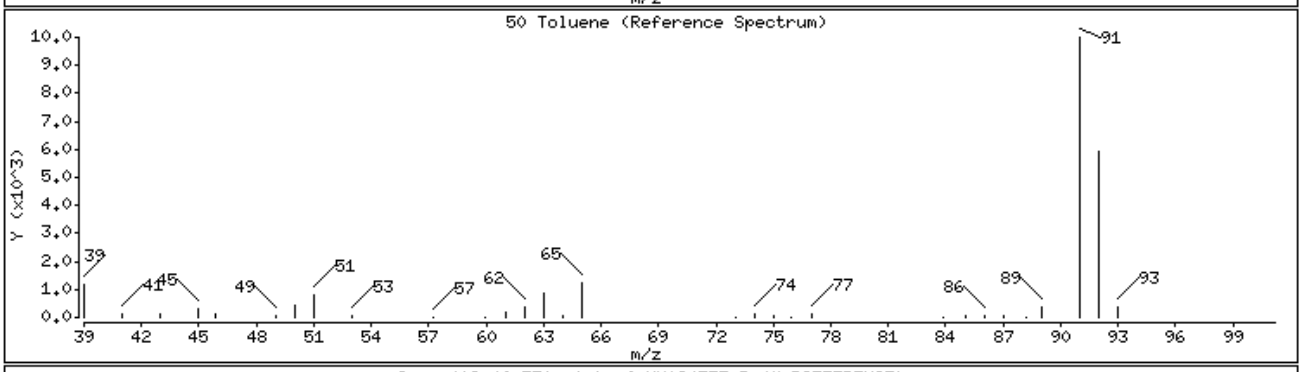
Purge Volume: 5.0 Operator: 1903

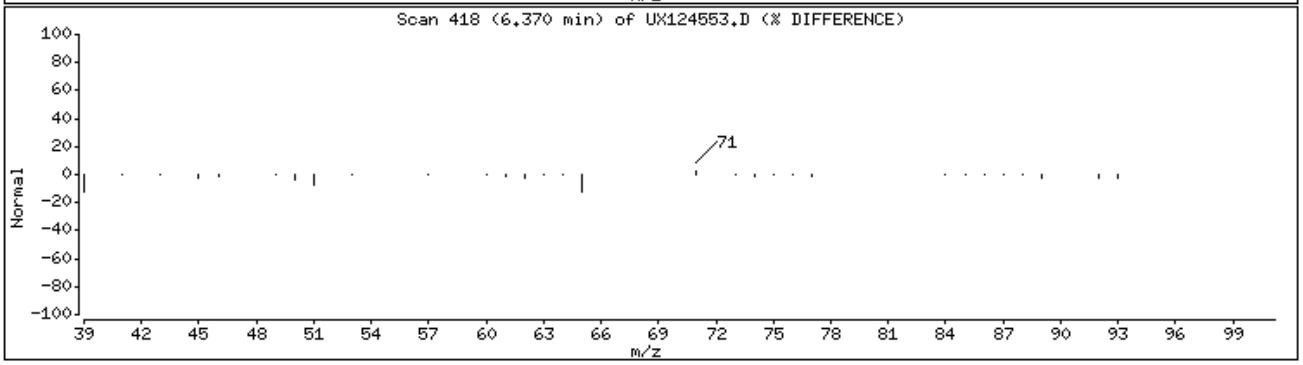
Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 0.1304 ug/L









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Date : 14-JUN-2005 13:29

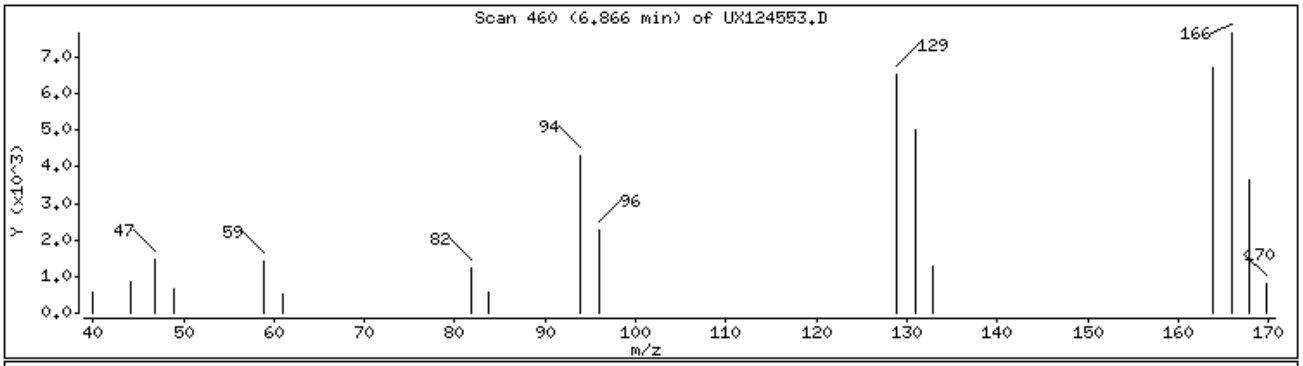
Client ID: GW-060105-AJ-033 Instrument: a3ux12.i

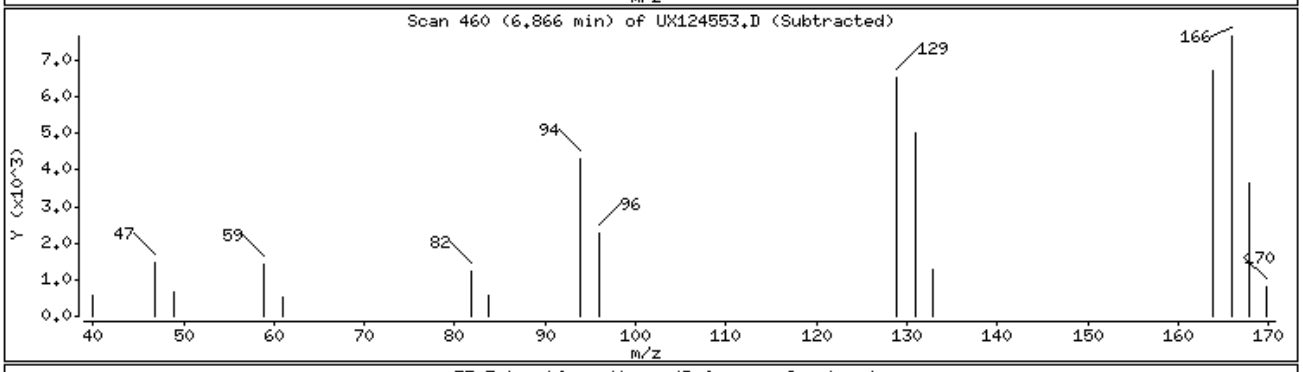
Sample Info: HCRCF1AA,5ML/5ML

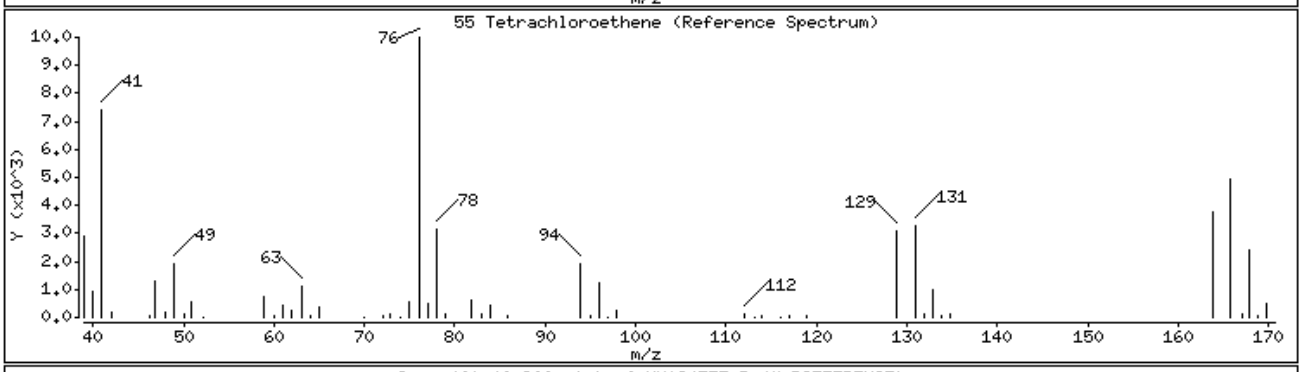
Purge Volume: 5.0 Operator: 1903

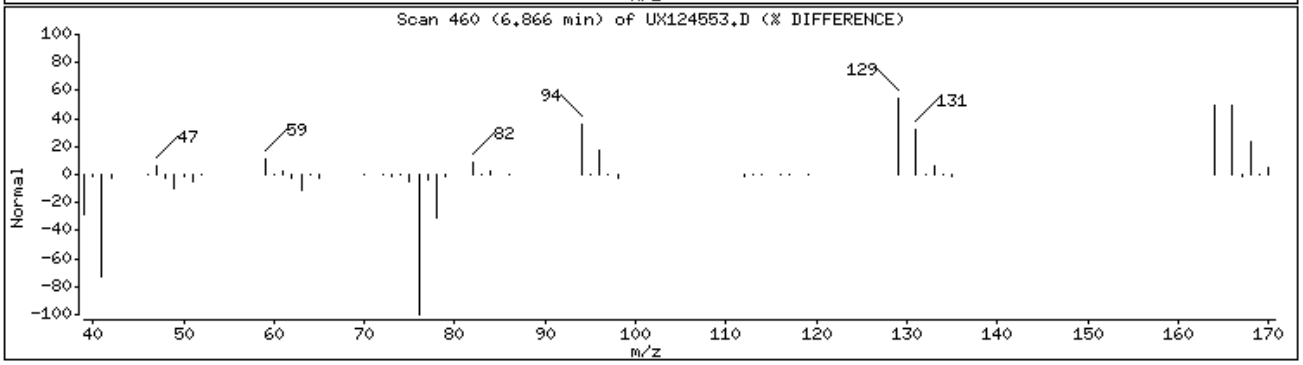
Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 1.207 ug/L









Conestoga-Rovers & Associates, Inc.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A5F020226-003 **Work Order #...:** HCRDC1AC **Matrix.....:** WQ
Date Sampled...: 06/01/05 **Date Received..:** 06/02/05
Prep Date.....: 06/14/05 **Analysis Date..:** 06/14/05
Prep Batch #...: 5165463
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A5F020226-003 **Work Order #...:** HCRDC1AC **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**0.19 J**	**1.0**	**ug/L**
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(73 - 122)
1,2-Dichloroethane-d4	98	(61 - 128)
Toluene-d8	103	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\UX124554.D
Report Date: 14-Jun-2005 16:17

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\UX124554.D
Lab Smp Id: HCRDC1AC Client Smp ID: TRIP BLANK
Inj Date : 14-JUN-2005 13:55
Operator : 1903 Inst ID: a3ux12.i
Smp Info : HCRDC1AC,5ML/5ML
Misc Info : T50614A,8260LLUX12,1-8260GM.SUB,1903
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux12.i\T50614A.b\8260LLUX12.m
Meth Date : 14-Jun-2005 06:05 Quant Type: ISTD
Cal Date : 01-APR-2005 23:46 Cal File: UX122779.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.SUB
Target Version: 4.14
Processing Host: QCANOH04

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	4.973	4.973	(1.000)	588945	50.0000	
* 2 Chlorobenzene-d5	117	7.611	7.611	(1.000)	450814	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.836	9.836	(1.000)	235390	50.0000	
$ 4 Dibromofluoromethane	113	4.417	4.428	(0.888)	132596	49.7285	9.946
$ 5 1,2-Dichloroethane-d4	65	4.701	4.701	(0.945)	193094	49.1927	9.838
$ 6 Toluene-d8	98	6.310	6.310	(0.829)	549486	51.4241	10.285
$ 7 Bromofluorobenzene	95	8.712	8.712	(1.145)	211189	48.3834	9.677
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.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
20 Carbon Disulfide	76	2.866	2.855	(0.576)	6544	0.60015	0.1200
21 Methylene Chloride	84	Compound Not Detected.					
24 Methyl tert-butyl ether	73	Compound Not Detected.					
25 trans-1,2-Dichloroethene	61	Compound Not Detected.					

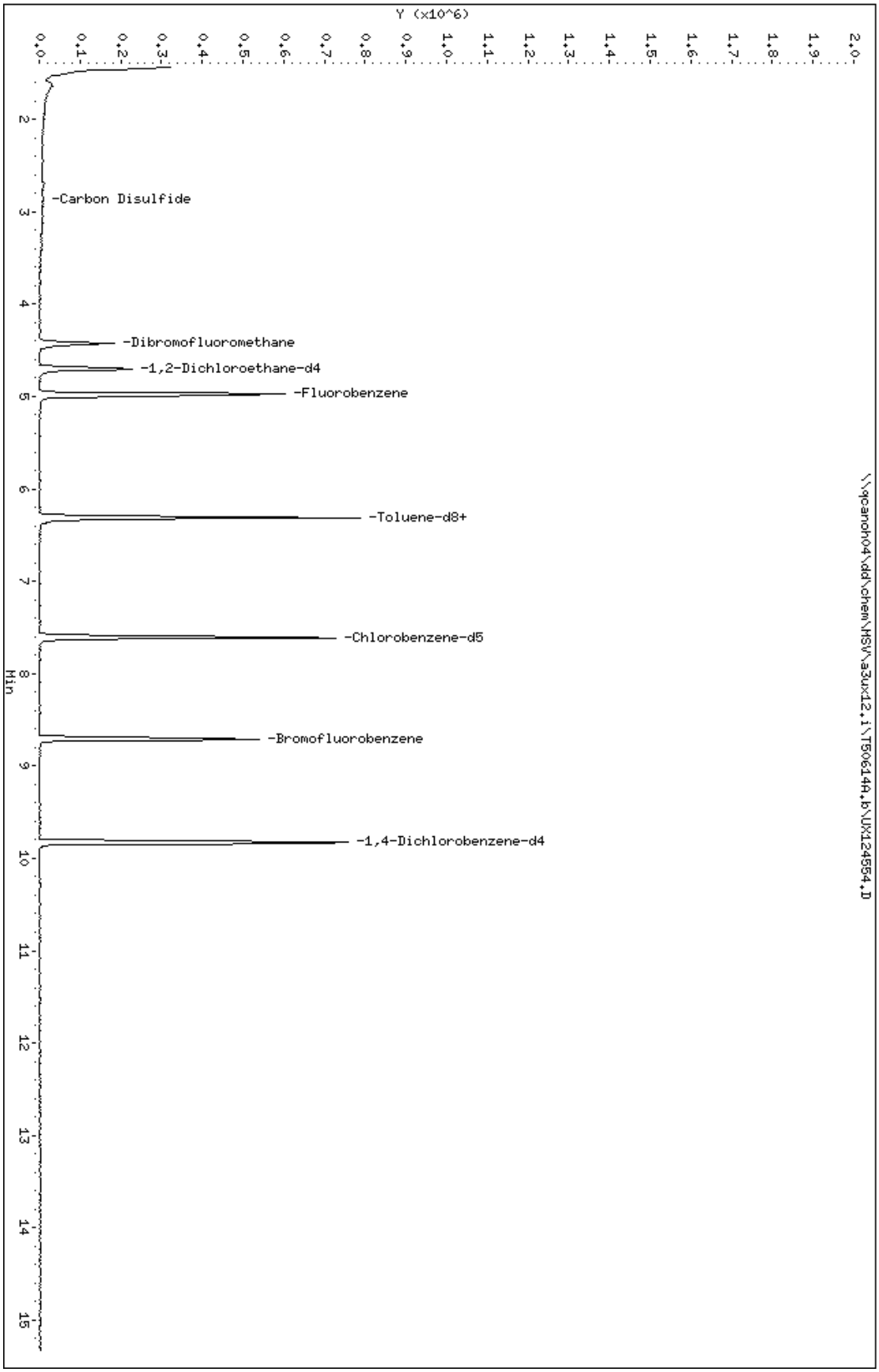
28	1,1-Dichloroethane	63	Compound Not Detected.
30	2-Butanone	43	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\UX124554.D
Report Date: 14-Jun-2005 16:17

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.369	6.369	(0.837)	11929	0.93359	0.1867
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	80 1,3-Dichlorobenzene	146	Compound Not Detected.					
	81 1,4-Dichlorobenzene	146	Compound Not Detected.					
	83 1,2-Dichlorobenzene	146	Compound Not Detected.					
	85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	98 Cyclohexane	56	Compound Not Detected.					
	143 Methyl Acetate	43	Compound Not Detected.					
	144 Methylcyclohexane	83	Compound Not Detected.					
	84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\UX124554.D
Date : 14-JUN-2005 13:55
Client ID: TRIP BLANK
Sample Info: HCRDC1AC,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



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Date : 14-JUN-2005 13:55

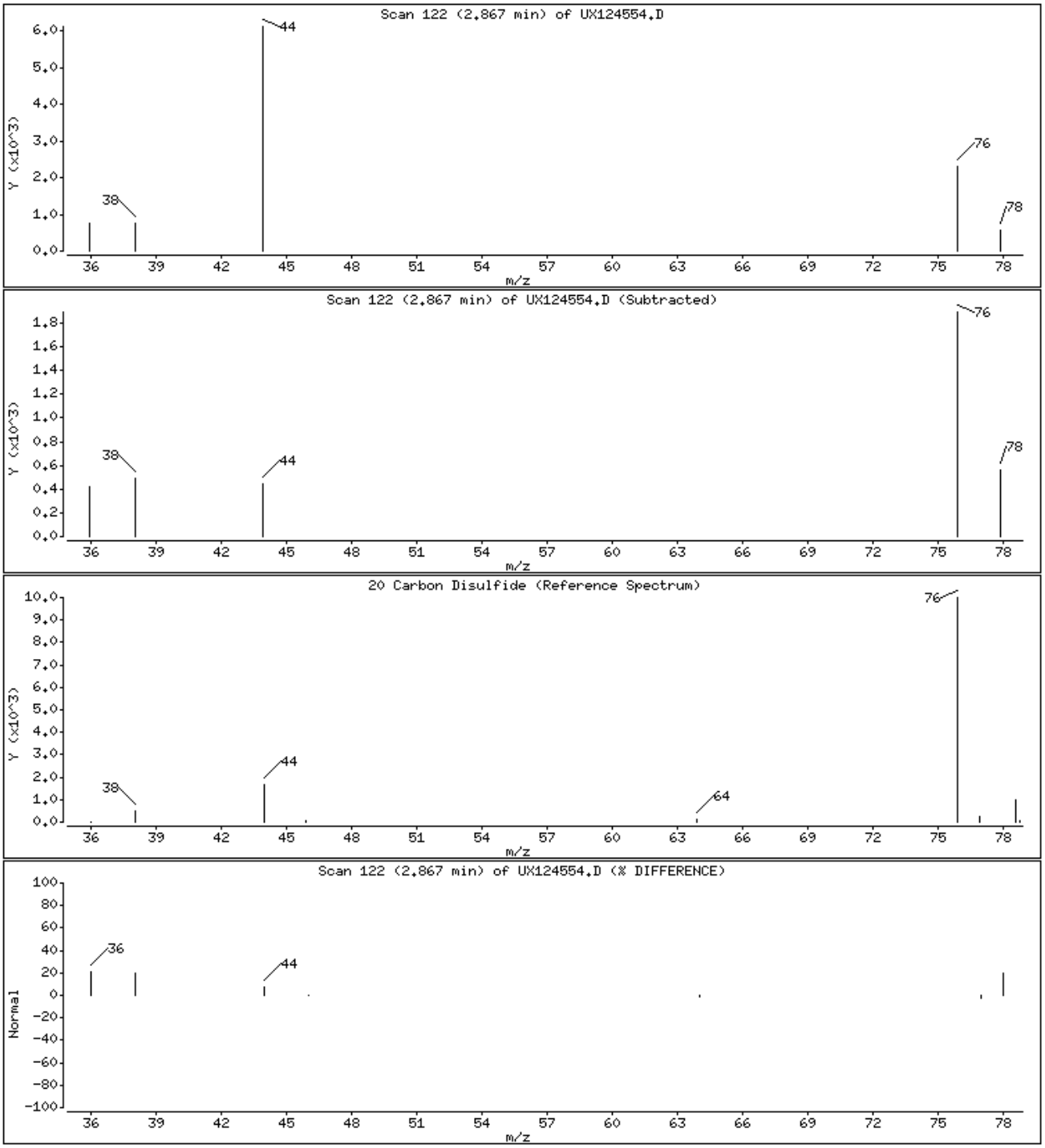
Client ID: TRIP BLANK | Instrument: a3ux12.i

Sample Info: HCRDC1AC,5ML/5ML

Purge Volume: 5.0 | Operator: 1903

Column phase: DB624 | Column diameter: 0.18

20 Carbon Disulfide | Concentration: 0.1200 ug/L



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Date : 14-JUN-2005 13:55

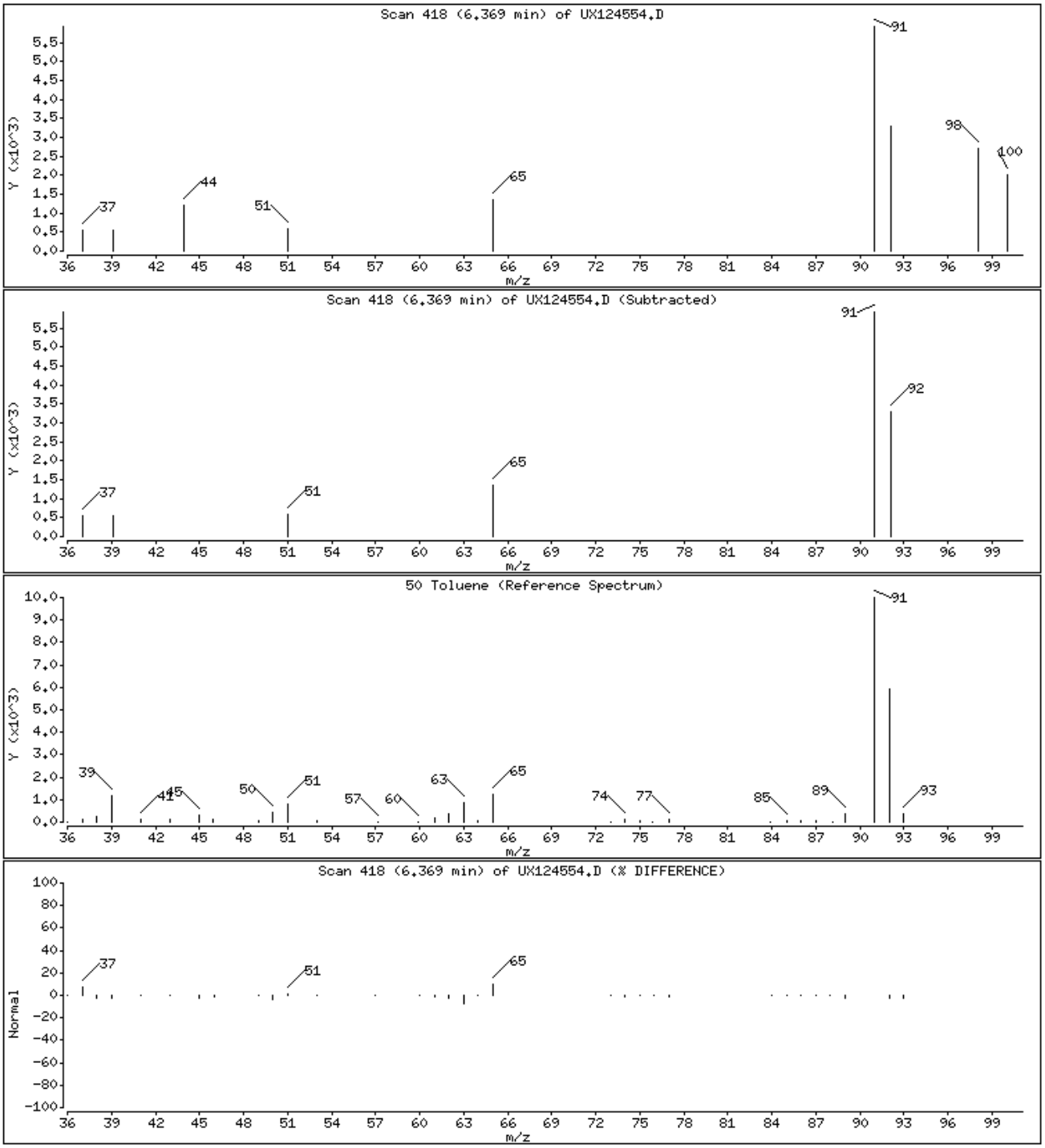
Client ID: TRIP BLANK | Instrument: a3ux12.i

Sample Info: HCRDC1AC,5ML/5ML

Purge Volume: 5.0 | Operator: 1903

Column phase: DB624 | Column diameter: 0.18

50 Toluene | Concentration: 0.1867 ug/L



Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-060105-AJ-035

GC/MS Volatiles

Lot-Sample #...: A5F020226-004 **Work Order #...:** HCRED1AC **Matrix.....:** WG
Date Sampled...: 06/01/05 17:05 **Date Received..:** 06/02/05
Prep Date.....: 06/14/05 **Analysis Date..:** 06/14/05
Prep Batch #...: 5165463
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	**1.4**	**1.0**	**ug/L**
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-060105-AJ-035

GC/MS Volatiles

Lot-Sample #...: A5F020226-004 **Work Order #...:** HCRED1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**2.4**	**1.0**	**ug/L**
Toluene	**0.20 J**	**1.0**	**ug/L**
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	**1.2**	**1.0**	**ug/L**
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**1.4**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	95	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\UX124555.D
Report Date: 14-Jun-2005 16:18

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\UX124555.D
Lab Smp Id: HCRED1AC Client Smp ID: GW-060105-AJ-035
Inj Date : 14-JUN-2005 14:20
Operator : 1903 Inst ID: a3ux12.i
Smp Info : HCRED1AC,5ML/5ML
Misc Info : T50614A,8260LLUX12,1-8260GM.SUB,1903
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux12.i\T50614A.b\8260LLUX12.m
Meth Date : 14-Jun-2005 06:05 Quant Type: ISTD
Cal Date : 01-APR-2005 23:46 Cal File: UX122779.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.SUB
Target Version: 4.14
Processing Host: QCANOH04

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	4.973	4.973	(1.000)	580317	50.0000	
* 2 Chlorobenzene-d5	117	7.611	7.611	(1.000)	453954	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.836	9.836	(1.000)	241314	50.0000	
$ 4 Dibromofluoromethane	113	4.428	4.428	(0.891)	129326	49.2232	9.845
$ 5 1,2-Dichloroethane-d4	65	4.700	4.701	(0.945)	197564	51.0798	10.216
$ 6 Toluene-d8	98	6.310	6.310	(0.829)	529657	49.2255	9.845
$ 7 Bromofluorobenzene	95	8.712	8.712	(1.145)	209490	47.6622	9.532
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.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
20 Carbon Disulfide	76	2.854	2.855	(0.574)	74456	6.92984	1.386
21 Methylene Chloride	84	Compound Not Detected.					
24 Methyl tert-butyl ether	73	Compound Not Detected.					
25 trans-1,2-Dichloroethene	61	Compound Not Detected.					

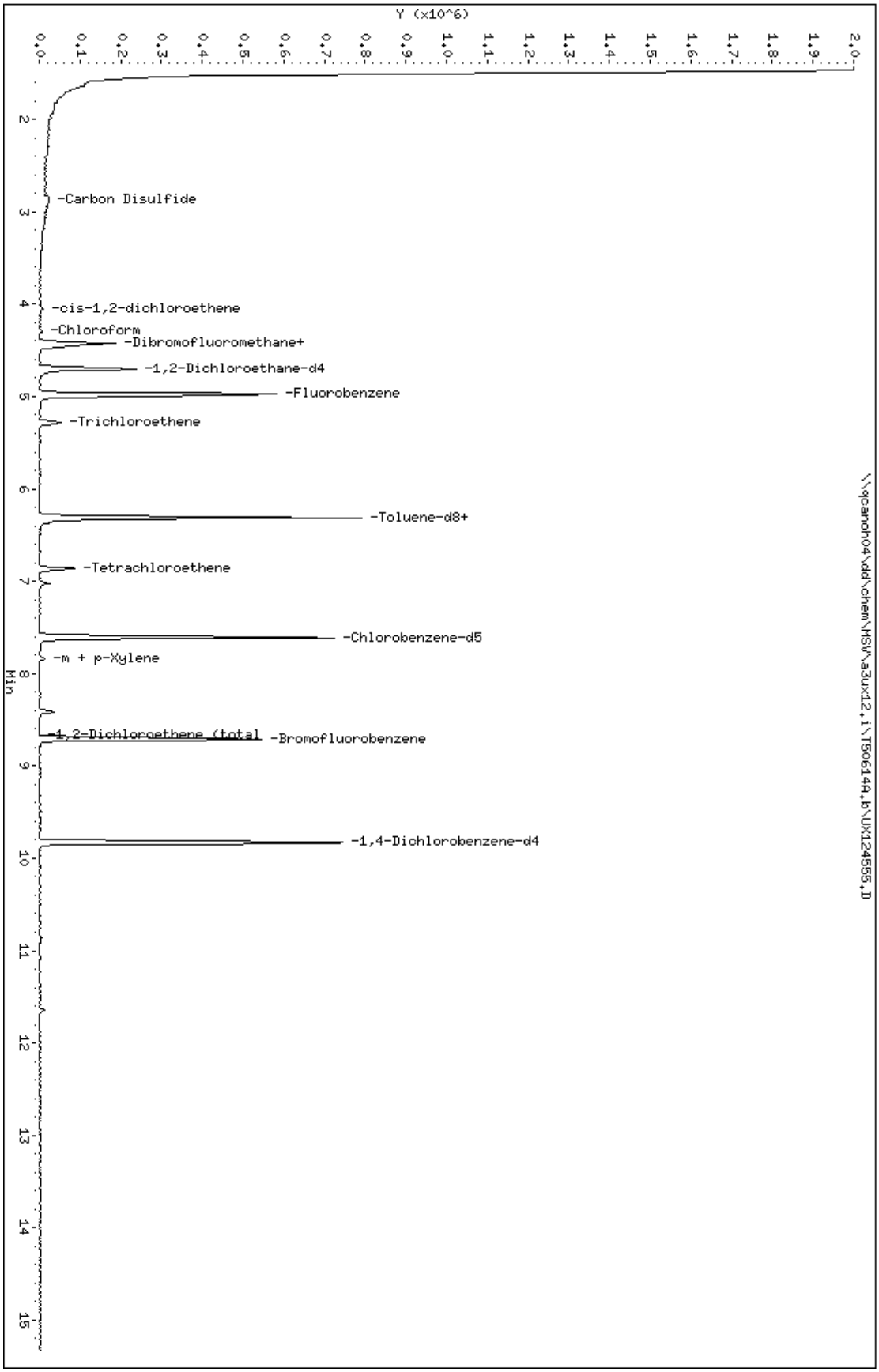
28	1,1-Dichloroethane	63	Compound Not Detected.
30	2-Butanone	43	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\UX124555.D
Report Date: 14-Jun-2005 16:18

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
M 31	1,2-Dichloroethene (total)	61				4411	0.94751	0.1895
32	cis-1,2-dichloroethene	61	4.050	4.050	(0.814)	4411	0.94751	0.1895
35	Chloroform	83	4.298	4.298	(0.864)	2883	0.56152	0.1123
37	1,1,1-Trichloroethane	97	4.452	4.452	(0.895)	23706	6.21257	1.242
39	Carbon Tetrachloride	117	Compound Not Detected.					
40	1,2-Dichloroethane	62	Compound Not Detected.					
41	Benzene	78	Compound Not Detected.					
42	Trichloroethene	130	5.280	5.280	(1.062)	20974	6.86305	1.373
43	1,2-Dichloropropane	63	Compound Not Detected.					
46	Bromodichloromethane	83	Compound Not Detected.					
48	cis-1,3-Dichloropropene	75	Compound Not Detected.					
49	4-Methyl-2-pentanone	43	Compound Not Detected.					
50	Toluene	91	6.369	6.369	(0.837)	13037	1.01325	0.2026
51	trans-1,3-Dichloropropene	75	Compound Not Detected.					
53	1,1,2-Trichloroethane	97	Compound Not Detected.					
55	Tetrachloroethene	164	6.866	6.866	(0.902)	23929	11.9640	2.393
56	2-Hexanone	43	Compound Not Detected.					
57	Dibromochloromethane	129	Compound Not Detected.					
58	1,2-Dibromoethane	107	Compound Not Detected.					
59	Chlorobenzene	112	Compound Not Detected.					
61	Ethylbenzene	91	Compound Not Detected.					
62	m + p-Xylene	91	7.836	7.836	(1.030)	10693	1.08707	0.2174
M 63	Xylenes (total)	91				10693	1.08707	0.2174
64	Xylene-o	91	Compound Not Detected.					
65	Styrene	104	Compound Not Detected.					
66	Bromoform	173	Compound Not Detected.					
67	Isopropylbenzene	105	Compound Not Detected.					
68	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\UX124555.D
Date : 14-JUN-2005 14:20
Client ID: GW-060105-AJ-035
Sample Info: HCRED1AC,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



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Date : 14-JUN-2005 14:20

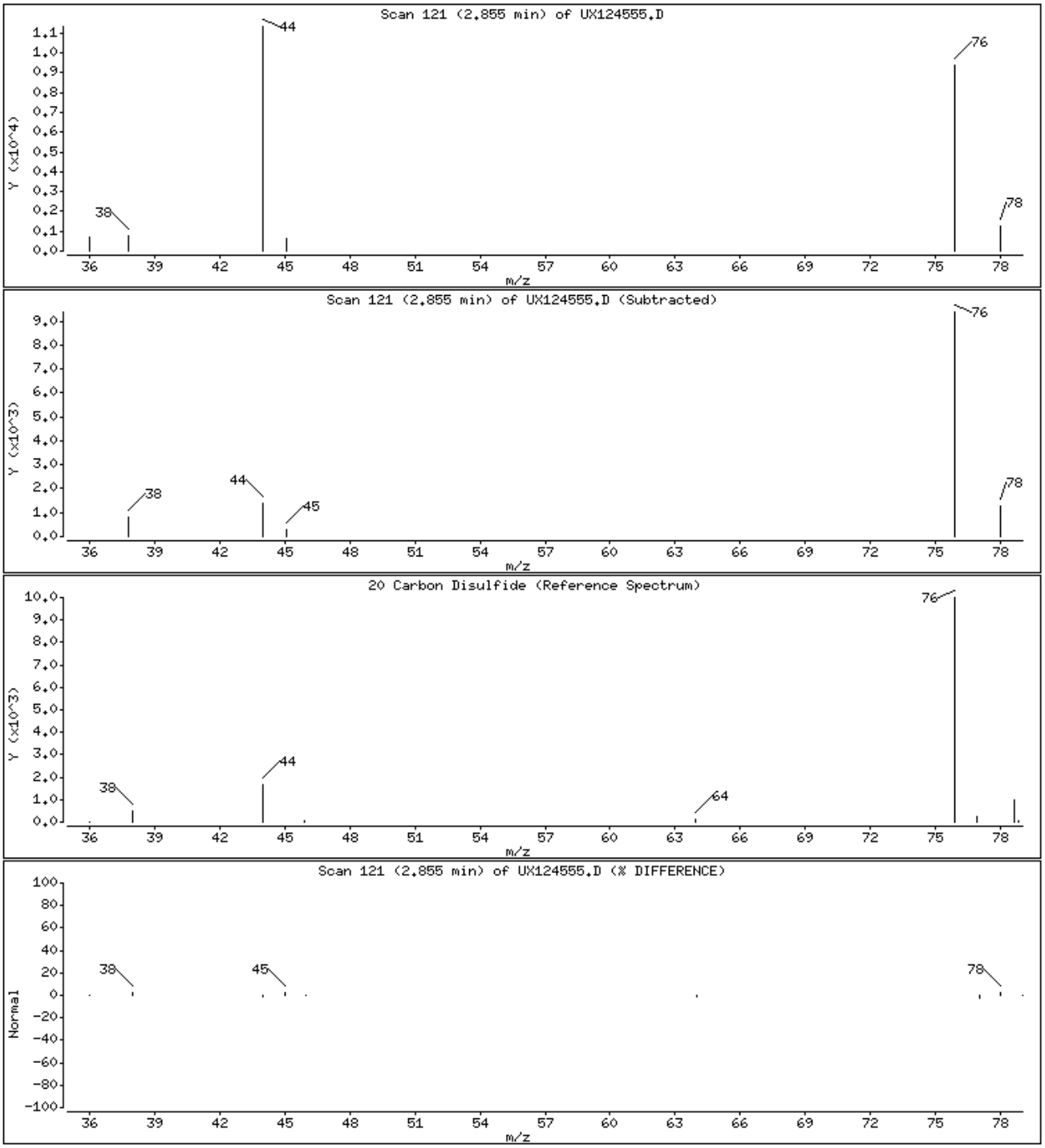
Client ID: GW-060105-AJ-035 Instrument: a3ux12.i

Sample Info: HCRED1AC,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

20 Carbon Disulfide Concentration: 1.386 ug/L



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Date : 14-JUN-2005 14:20

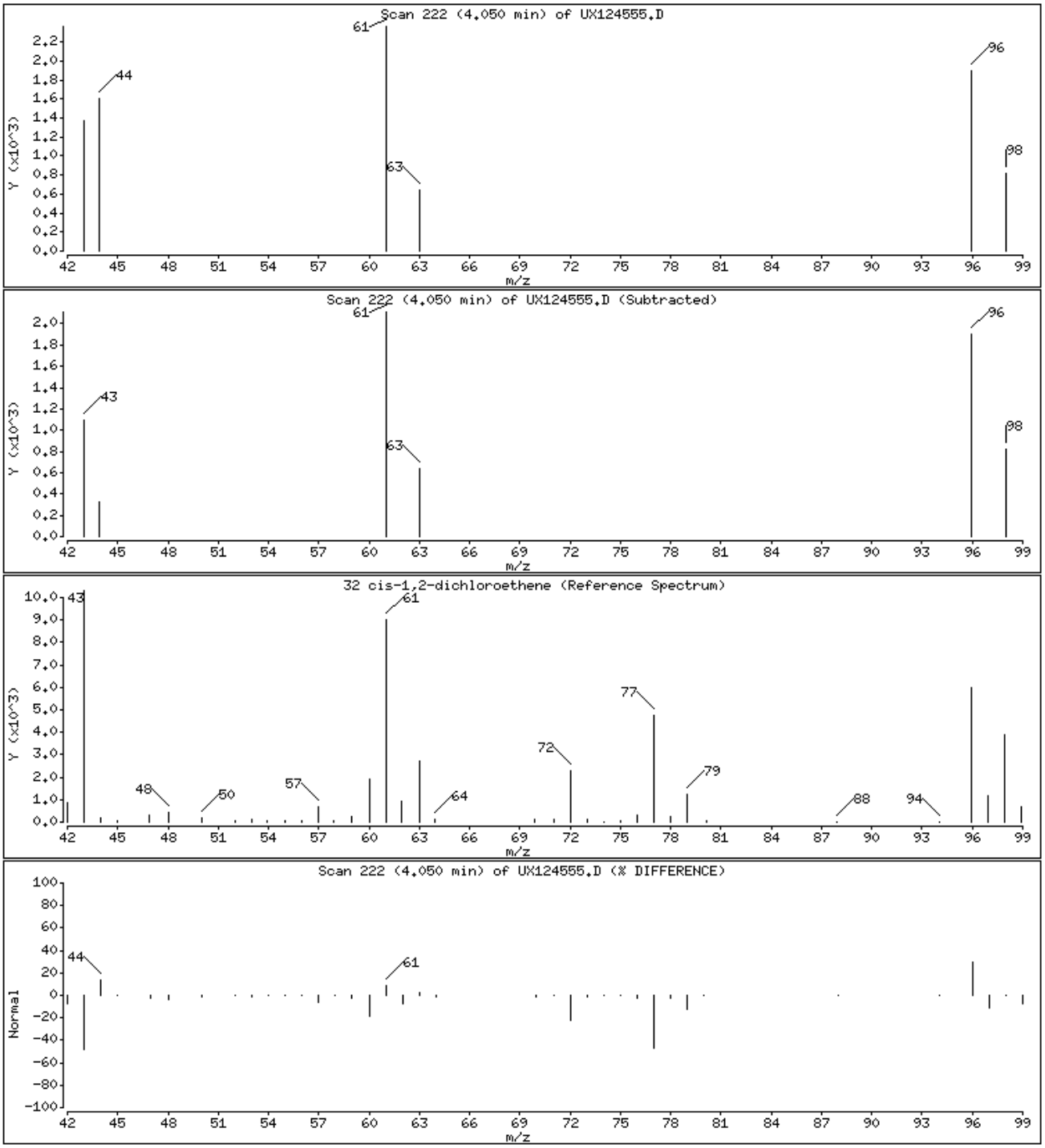
Client ID: GW-060105-AJ-035 Instrument: a3ux12.i

Sample Info: HCRED1AC,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 0.1895 ug/L



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Date : 14-JUN-2005 14:20

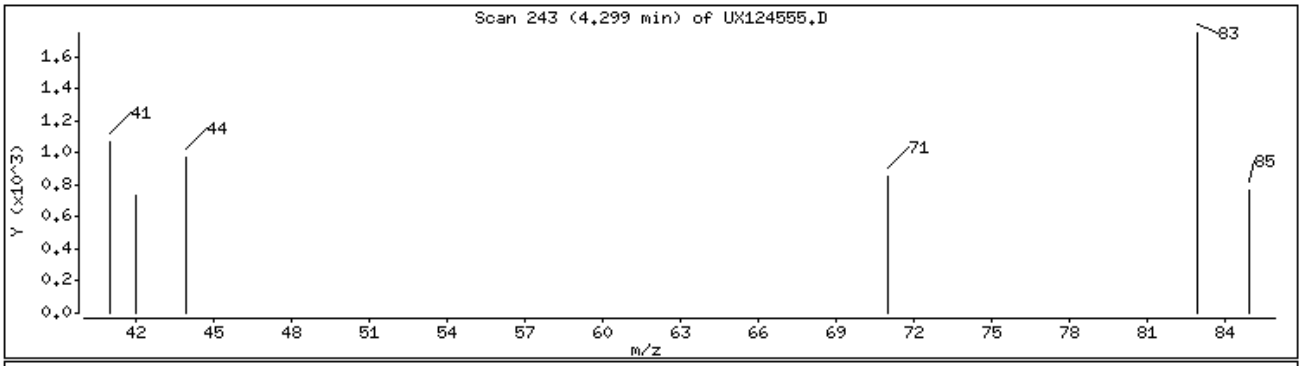
Client ID: GW-060105-AJ-035 Instrument: a3ux12.i

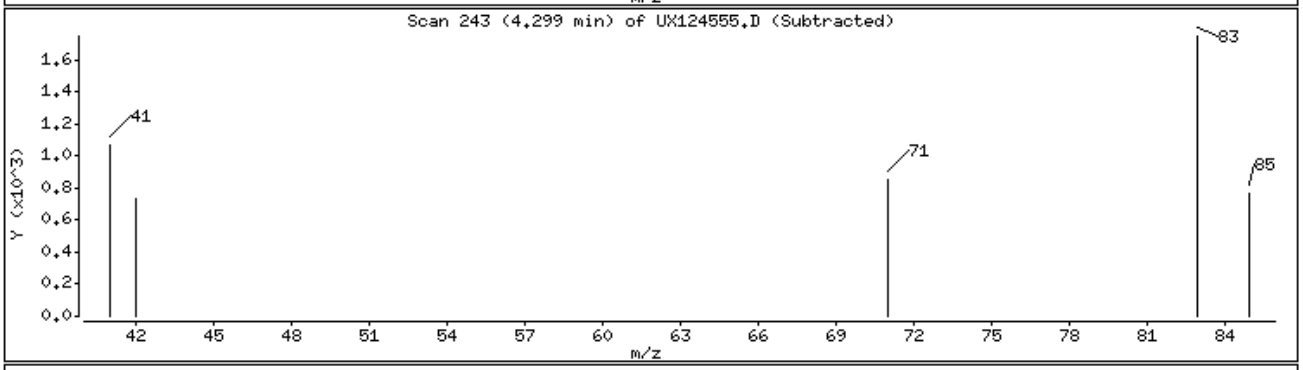
Sample Info: HCRED1AC,5ML/5ML

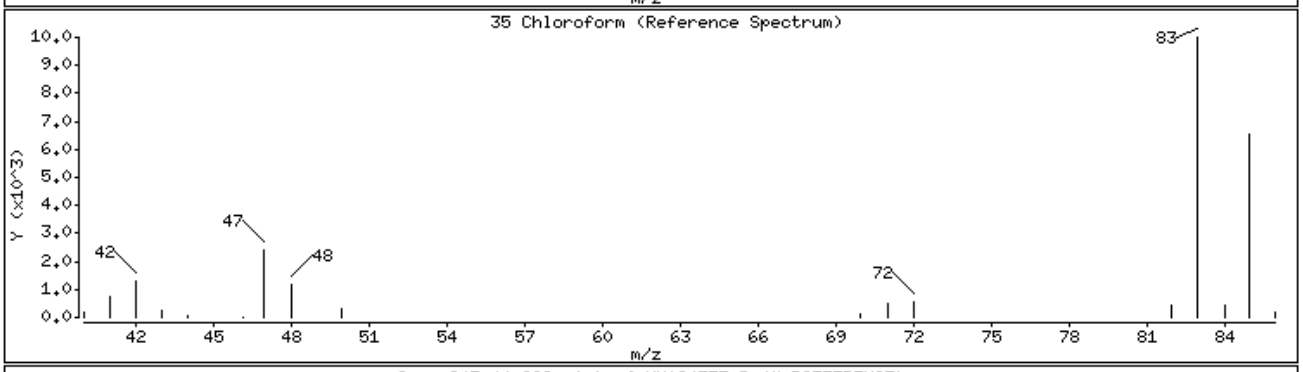
Purge Volume: 5.0 Operator: 1903

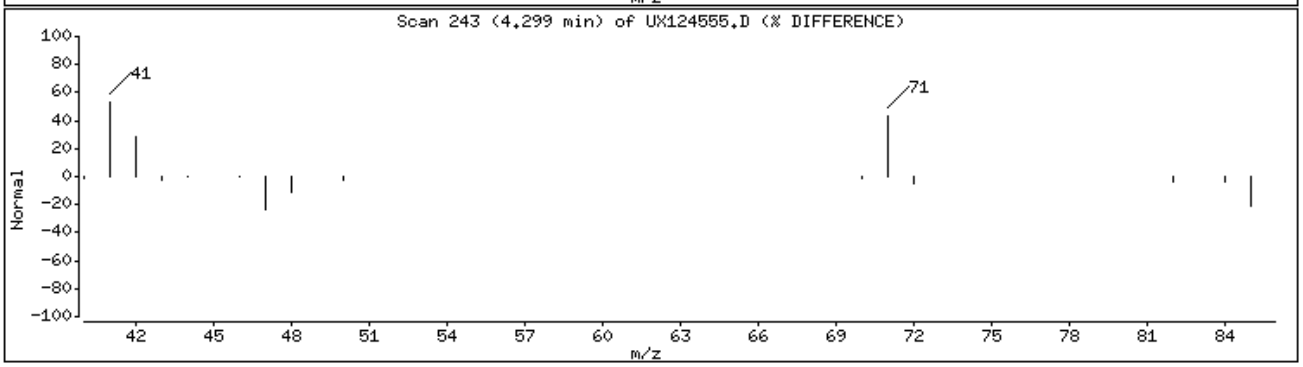
Column phase: DB624 Column diameter: 0.18

35 Chloroform Concentration: 0.1123 ug/L









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Date : 14-JUN-2005 14:20

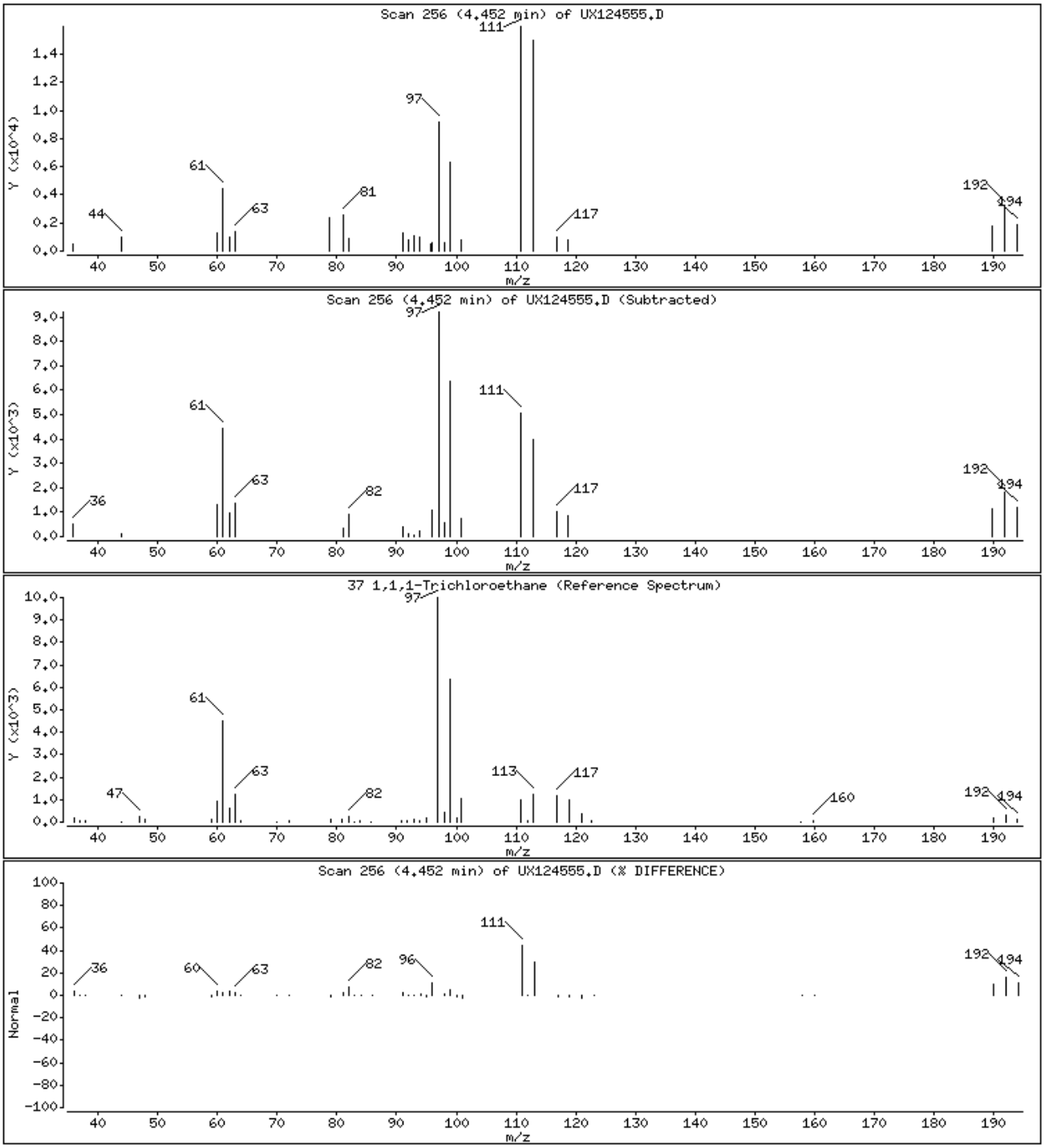
Client ID: GW-060105-AJ-035 Instrument: a3ux12.i

Sample Info: HCRED1AC,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

37 1,1,1-Trichloroethane Concentration: 1.242 ug/L



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Date : 14-JUN-2005 14:20

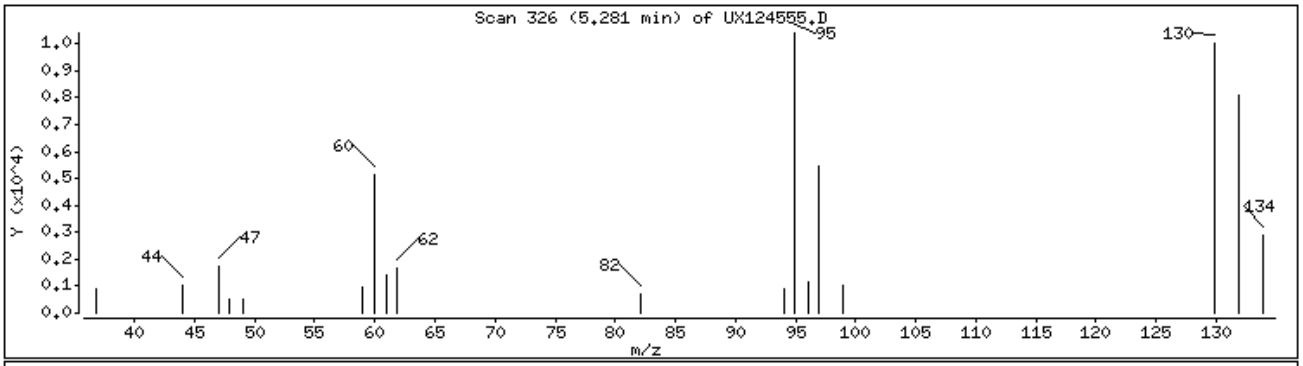
Client ID: GW-060105-AJ-035 Instrument: a3ux12.i

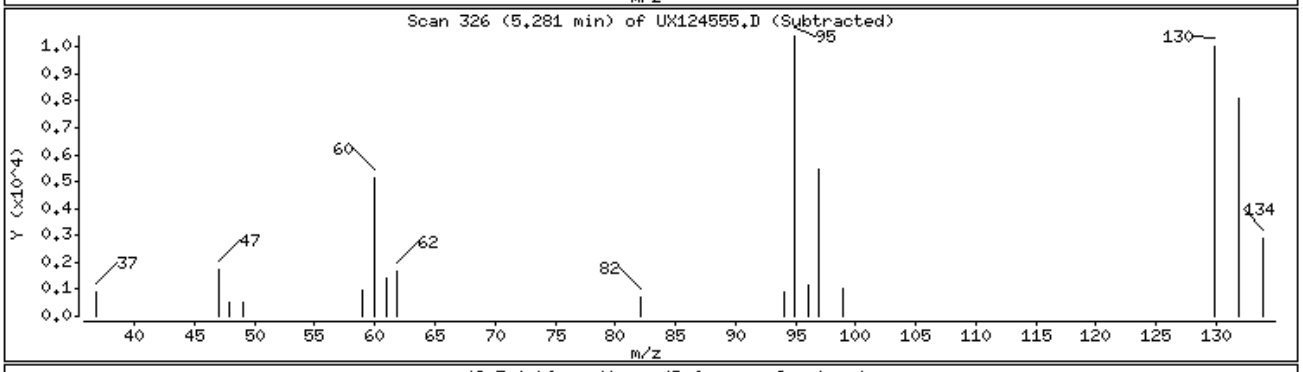
Sample Info: HCRED1AC,5ML/5ML

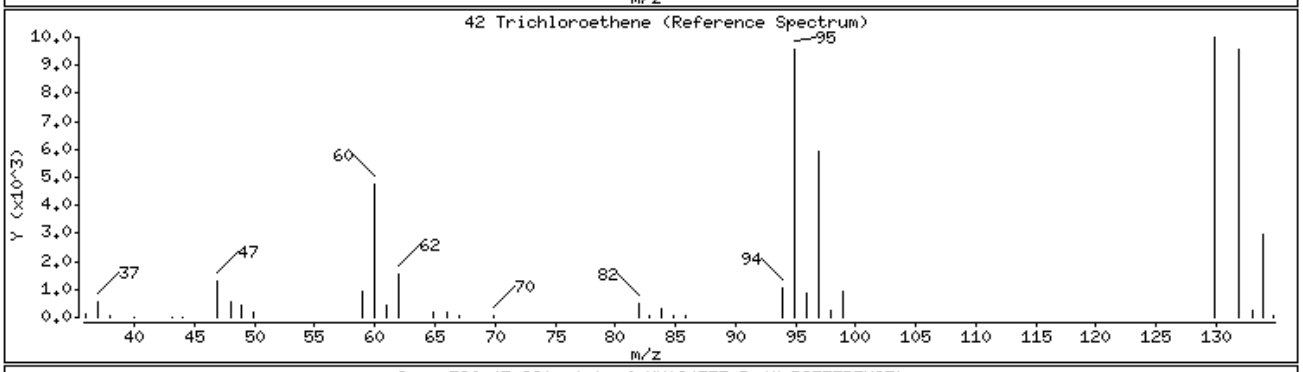
Purge Volume: 5.0 Operator: 1903

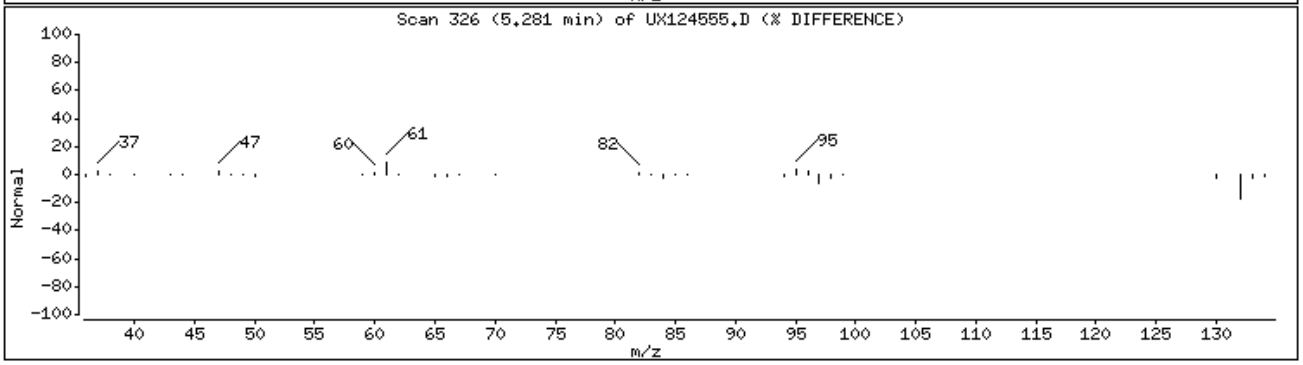
Column phase: DB624 Column diameter: 0.18

42 Trichloroethene Concentration: 1.373 ug/L









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Date : 14-JUN-2005 14:20

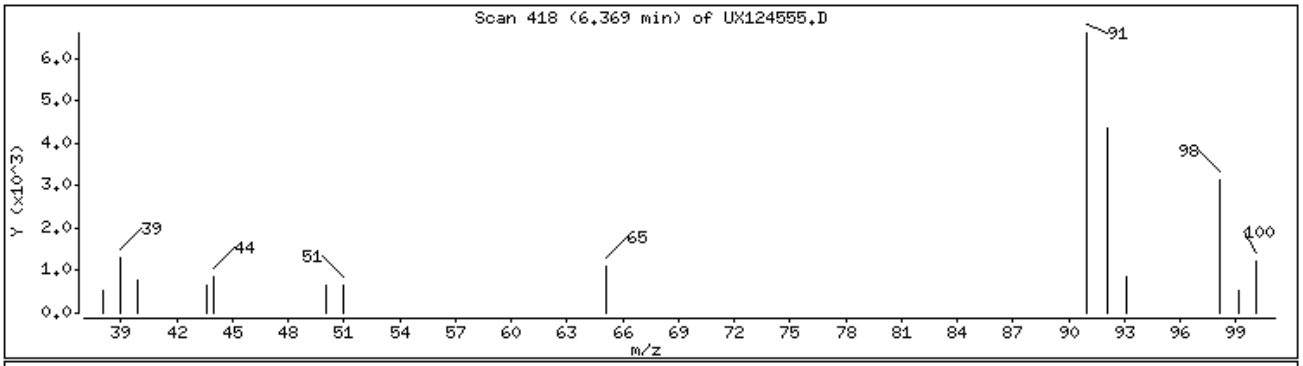
Client ID: GW-060105-AJ-035 Instrument: a3ux12.i

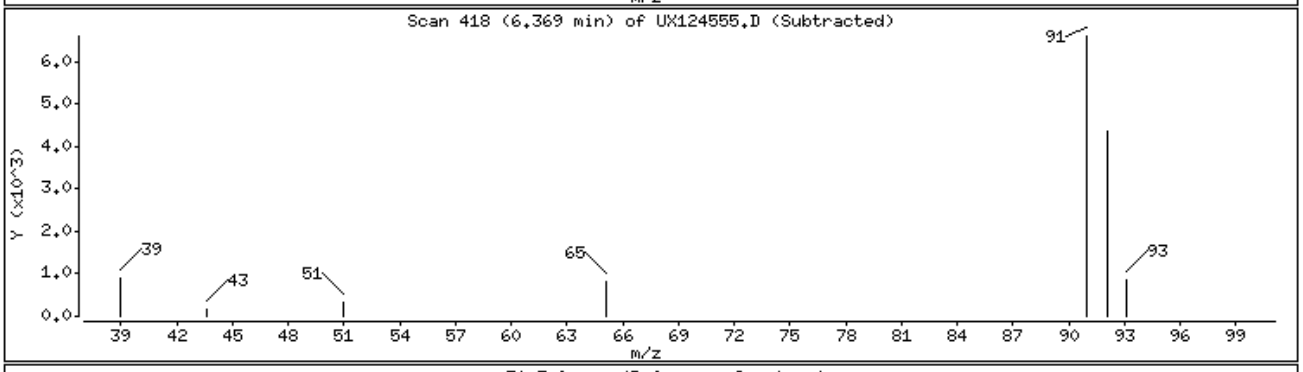
Sample Info: HCRED1AC,5ML/5ML

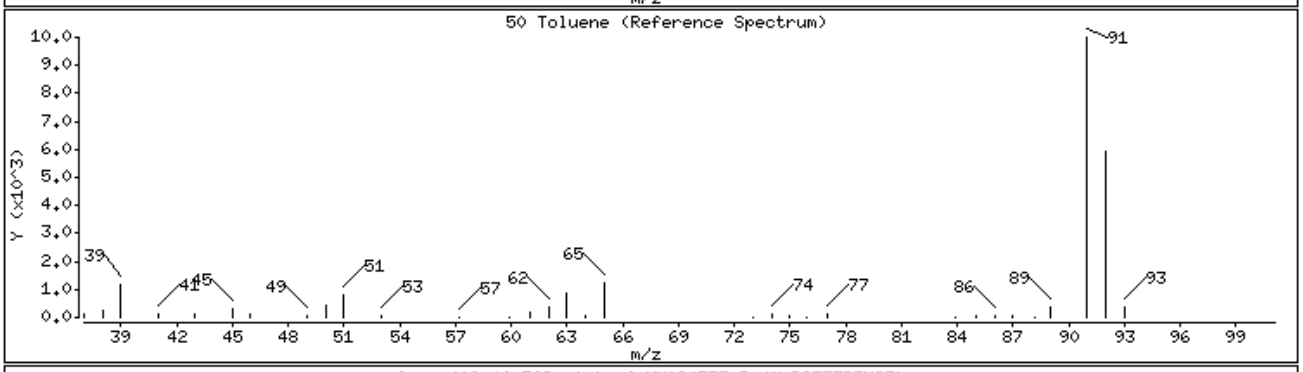
Purge Volume: 5.0 Operator: 1903

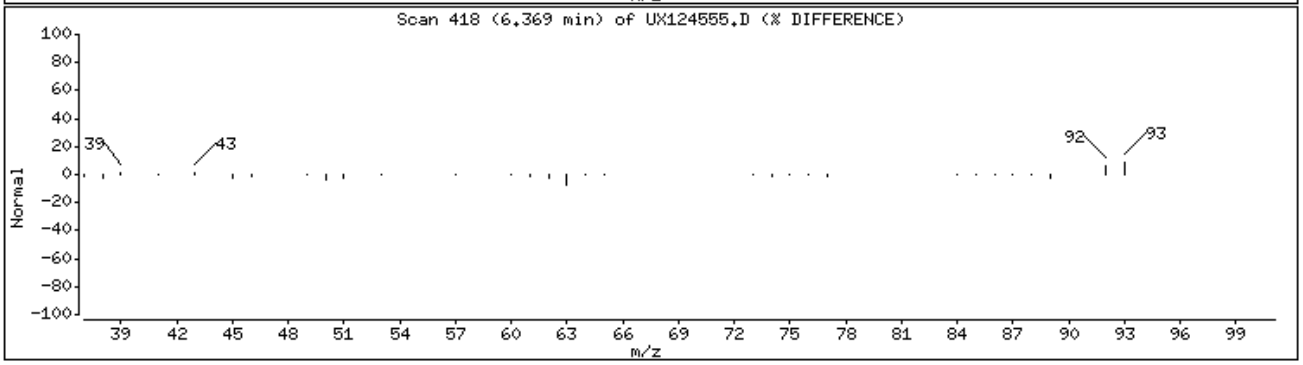
Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 0.2026 ug/L









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Date : 14-JUN-2005 14:20

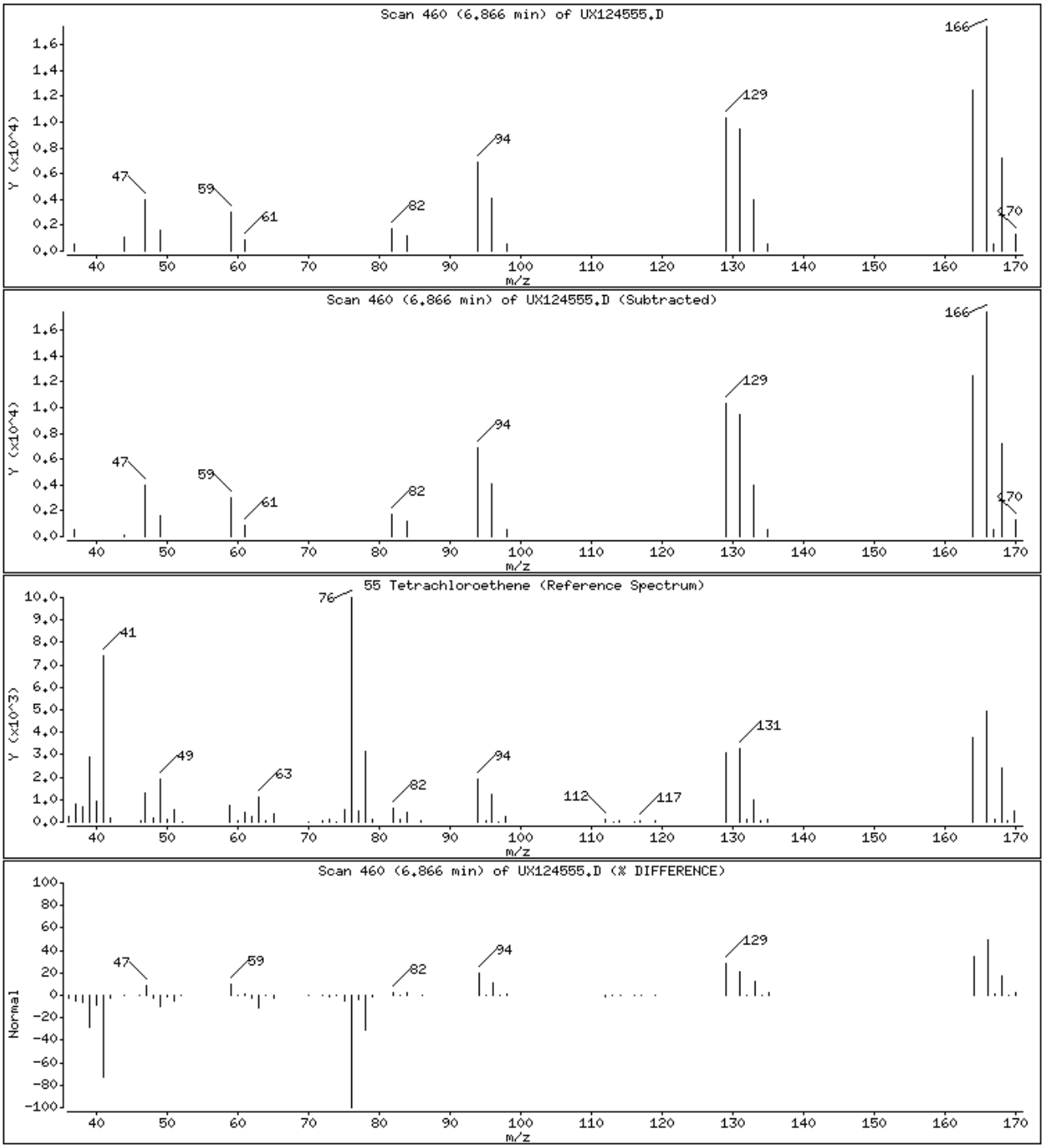
Client ID: GW-060105-AJ-035 Instrument: a3ux12.i

Sample Info: HCRED1AC,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 2.393 ug/L



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Date : 14-JUN-2005 14:20

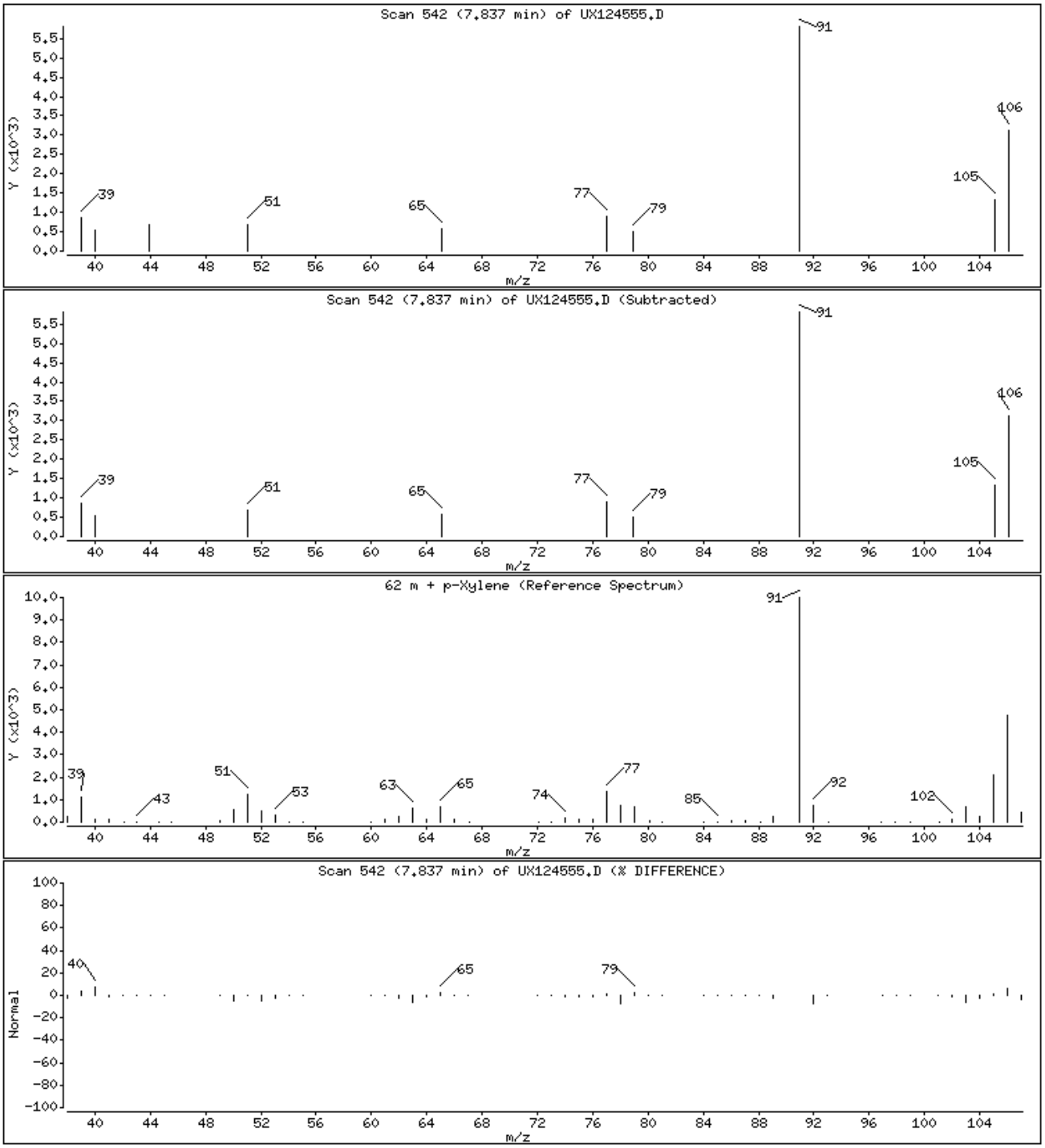
Client ID: GW-060105-AJ-035 Instrument: a3ux12.i

Sample Info: HCRED1AC,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

62 m + p-Xylene Concentration: 0.2174 ug/L



Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-060105-AJ-036

GC/MS Volatiles

Lot-Sample #...: A5F020226-005 **Work Order #...:** HCREJ1AC **Matrix.....:** WG
Date Sampled...: 06/01/05 18:07 **Date Received..:** 06/02/05
Prep Date.....: 06/14/05 **Analysis Date..:** 06/14/05
Prep Batch #...: 5165463
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	**0.30 J**	**1.0**	**ug/L**
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	**2.2**	**1.0**	**ug/L**
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	**0.38 J**	**1.0**	**ug/L**
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	**1.1**	**1.0**	**ug/L**
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-060105-AJ-036

GC/MS Volatiles

Lot-Sample #...: A5F020226-005 **Work Order #...:** HCREJ1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**0.64 J**	**1.0**	**ug/L**
Toluene	**0.22 J**	**1.0**	**ug/L**
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	99	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\UX124556.D
Report Date: 14-Jun-2005 16:21

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\UX124556.D
Lab Smp Id: HCREJ1AC Client Smp ID: GW-060105-AJ-036
Inj Date : 14-JUN-2005 14:46
Operator : 1903 Inst ID: a3ux12.i
Smp Info : HCREJ1AC,5ML/5ML
Misc Info : T50614A,8260LLUX12,1-8260GM.SUB,1903
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux12.i\T50614A.b\8260LLUX12.m
Meth Date : 14-Jun-2005 06:05 Quant Type: ISTD
Cal Date : 01-APR-2005 23:46 Cal File: UX122779.D
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260GM.SUB
Target Version: 4.14
Processing Host: QCANOH04

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	4.973	4.973	(1.000)	572500	50.0000	
* 2 Chlorobenzene-d5	117	7.611	7.611	(1.000)	457763	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.824	9.836	(1.000)	242526	50.0000	
$ 4 Dibromofluoromethane	113	4.428	4.428	(0.891)	129336	49.8992	9.980
$ 5 1,2-Dichloroethane-d4	65	4.701	4.701	(0.945)	190669	49.9702	9.994
$ 6 Toluene-d8	98	6.310	6.310	(0.829)	539399	49.7137	9.943
$ 7 Bromofluorobenzene	95	8.712	8.712	(1.145)	219419	49.5058	9.901
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.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
20 Carbon Disulfide	76	2.878	2.855	(0.579)	115047	10.8540	2.171
21 Methylene Chloride	84	Compound Not Detected.					
24 Methyl tert-butyl ether	73	Compound Not Detected.					
25 trans-1,2-Dichloroethene	61	Compound Not Detected.					

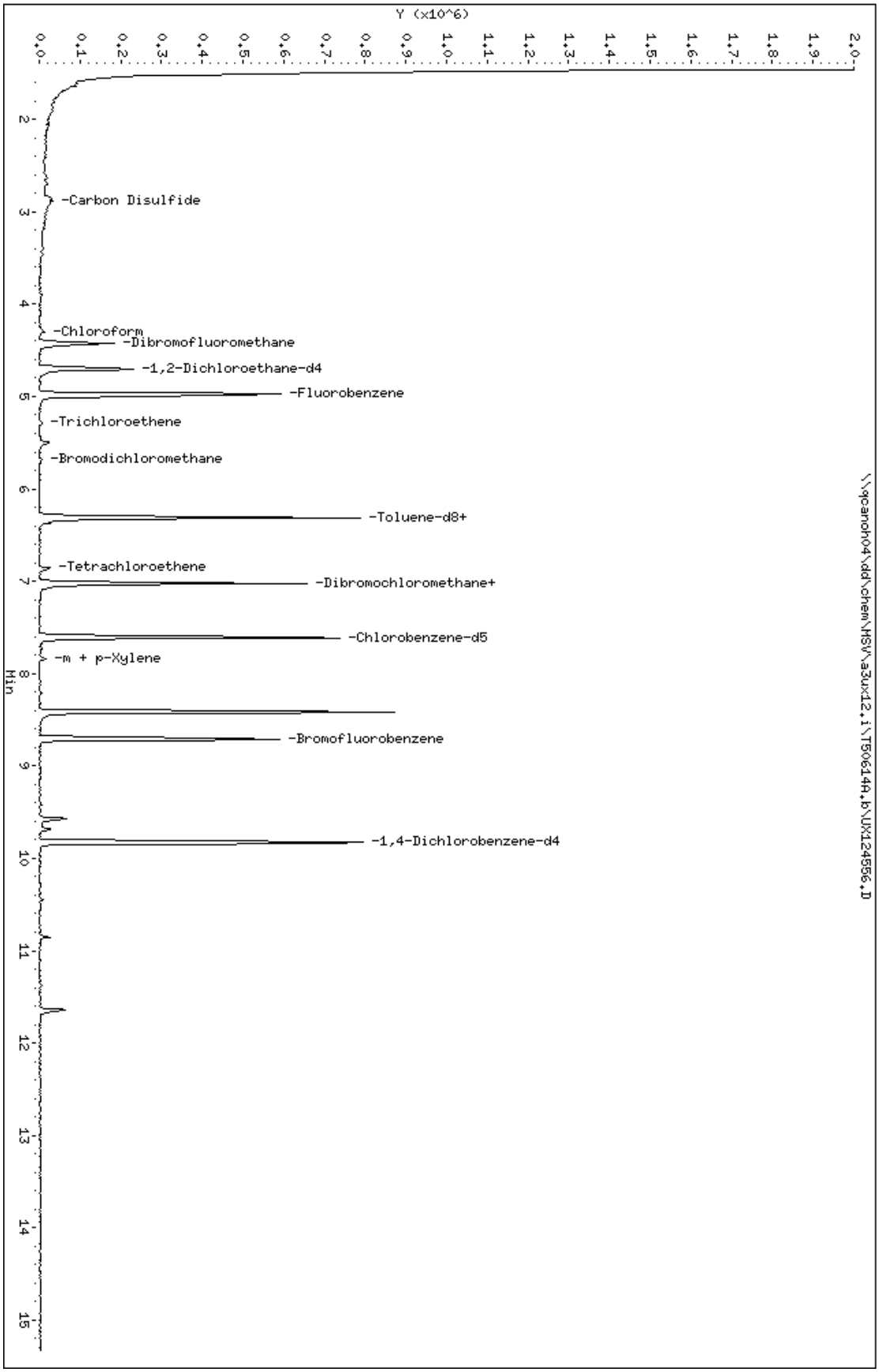
28	1,1-Dichloroethane	63	Compound Not Detected.
30	2-Butanone	43	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\UX124556.D
Report Date: 14-Jun-2005 16:21

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
M 31	1,2-Dichloroethene (total)	61	Compound Not Detected.					
32	cis-1,2-dichloroethene	61	Compound Not Detected.					
35	Chloroform	83	4.298	4.298	(0.864)	9736	1.92216	0.3844
37	1,1,1-Trichloroethane	97	Compound Not Detected.					
39	Carbon Tetrachloride	117	Compound Not Detected.					
40	1,2-Dichloroethane	62	Compound Not Detected.					
41	Benzene	78	Compound Not Detected.					
42	Trichloroethene	130	5.280	5.280	(1.062)	2640	0.87565	0.1751
43	1,2-Dichloropropane	63	Compound Not Detected.					
46	Bromodichloromethane	83	5.683	5.694	(1.143)	5029	1.50221	0.3004
48	cis-1,3-Dichloropropene	75	Compound Not Detected.					
49	4-Methyl-2-pentanone	43	Compound Not Detected.					
50	Toluene	91	6.369	6.369	(0.837)	14105	1.08714	0.2174
51	trans-1,3-Dichloropropene	75	Compound Not Detected.					
53	1,1,2-Trichloroethane	97	Compound Not Detected.					
55	Tetrachloroethene	164	6.866	6.866	(0.902)	6421	3.18364	0.6367
56	2-Hexanone	43	Compound Not Detected.					
57	Dibromochloromethane	129	7.067	7.079	(0.928)	2941	5.46471	1.093
58	1,2-Dibromoethane	107	Compound Not Detected.					
59	Chlorobenzene	112	Compound Not Detected.					
61	Ethylbenzene	91	Compound Not Detected.					
62	m + p-Xylene	91	7.836	7.836	(1.030)	10782	1.08699	0.2174
M 63	Xylenes (total)	91				10782	1.08699	0.2174
64	Xylene-o	91	Compound Not Detected.					
65	Styrene	104	Compound Not Detected.					
66	Bromoform	173	Compound Not Detected.					
67	Isopropylbenzene	105	Compound Not Detected.					
68	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\UX124556.D
Date : 14-JUN-2005 14:46
Client ID: GW-060105-AJ-036
Sample Info: HCREJ1AC,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



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Date : 14-JUN-2005 14:46

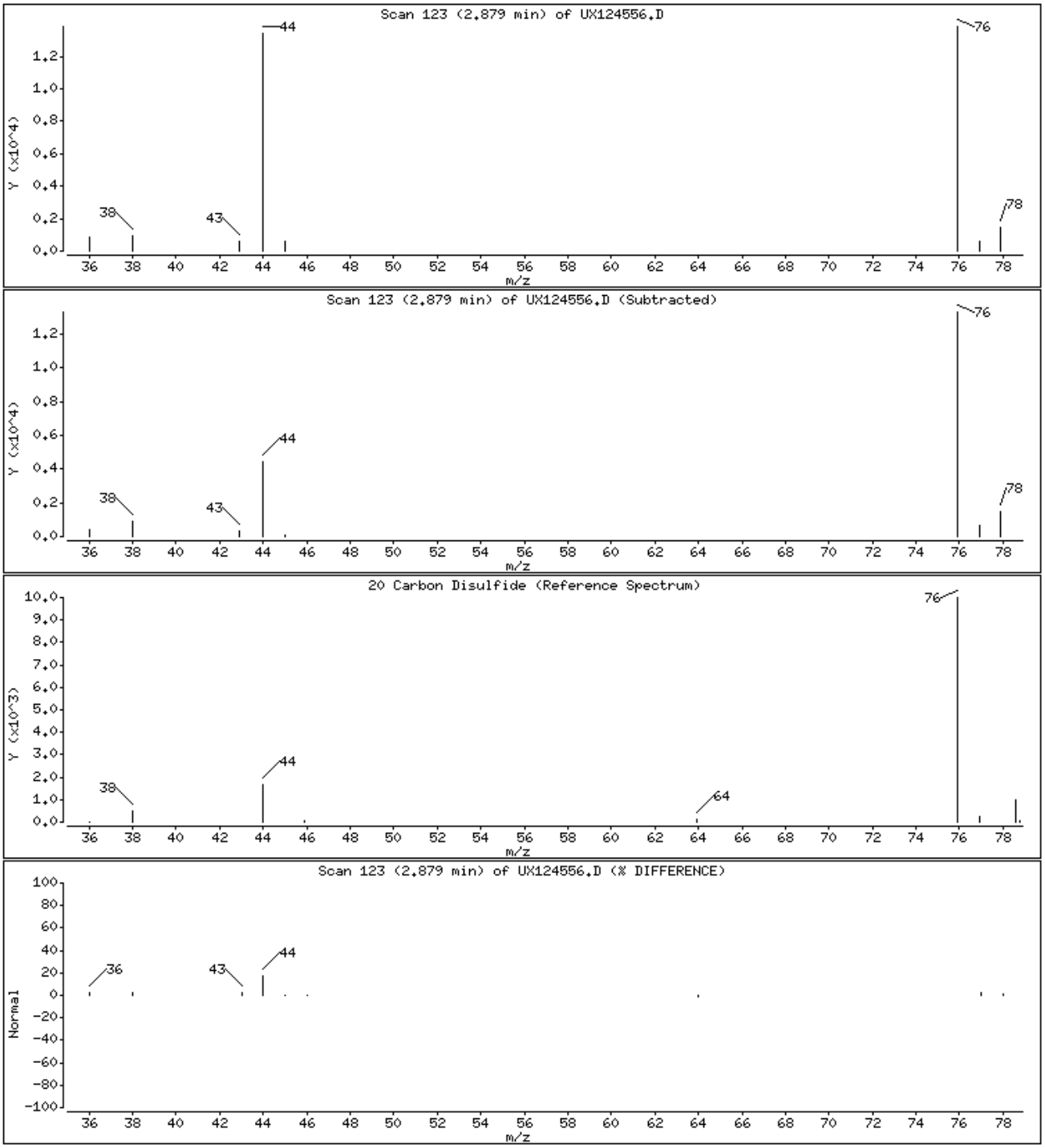
Client ID: GW-060105-AJ-036 Instrument: a3ux12.i

Sample Info: HCREJ1AC,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

20 Carbon Disulfide Concentration: 2.171 ug/L



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Date : 14-JUN-2005 14:46

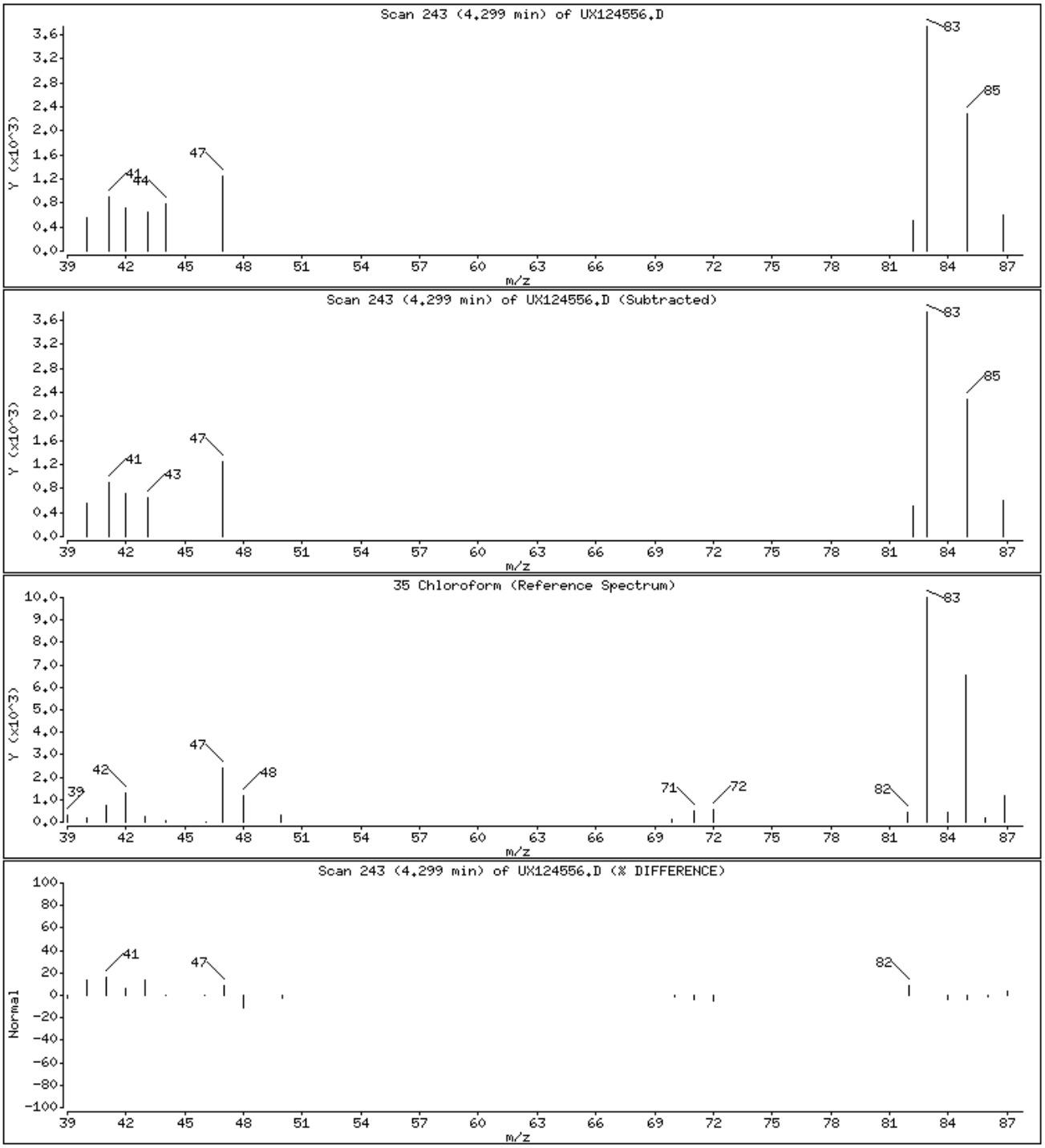
Client ID: GW-060105-AJ-036 Instrument: a3ux12.i

Sample Info: HCREJ1AC,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

35 Chloroform Concentration: 0.3844 ug/L



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Date : 14-JUN-2005 14:46

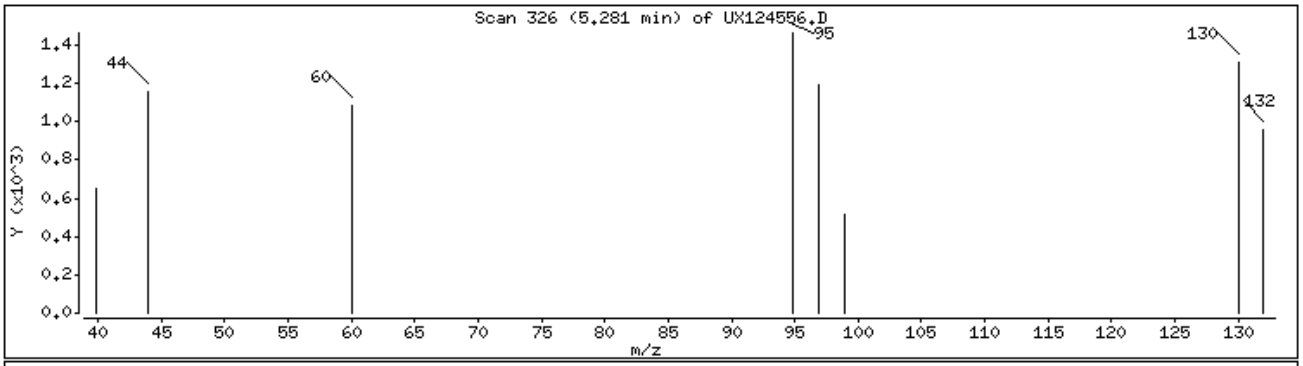
Client ID: GW-060105-AJ-036 Instrument: a3ux12.i

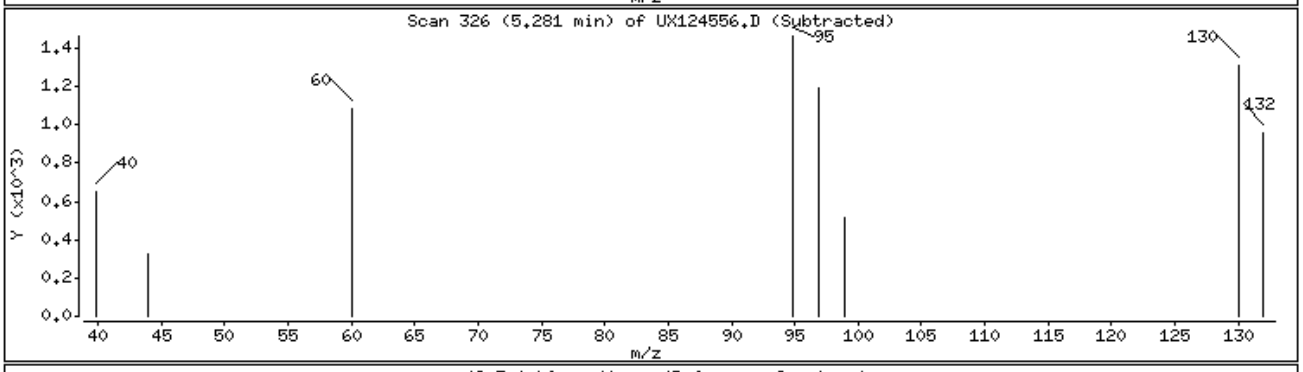
Sample Info: HCREJ1AC,5ML/5ML

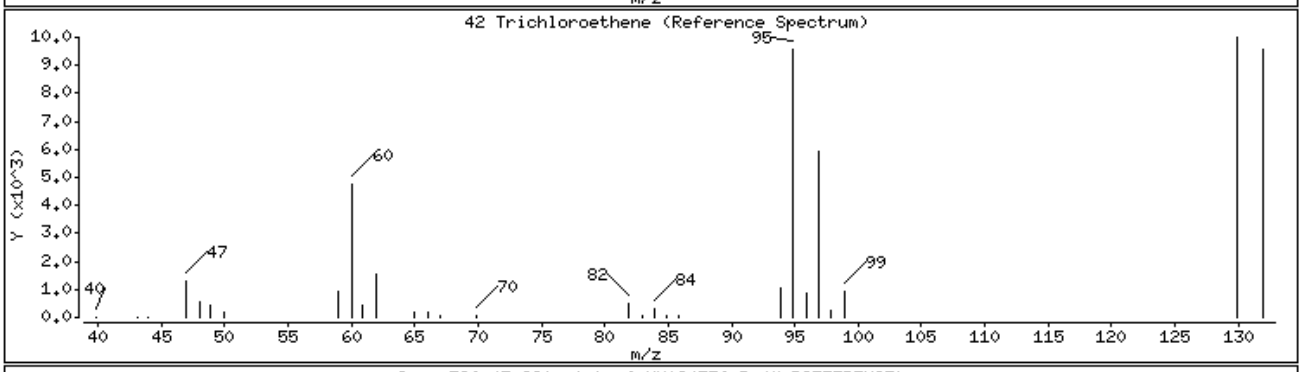
Purge Volume: 5.0 Operator: 1903

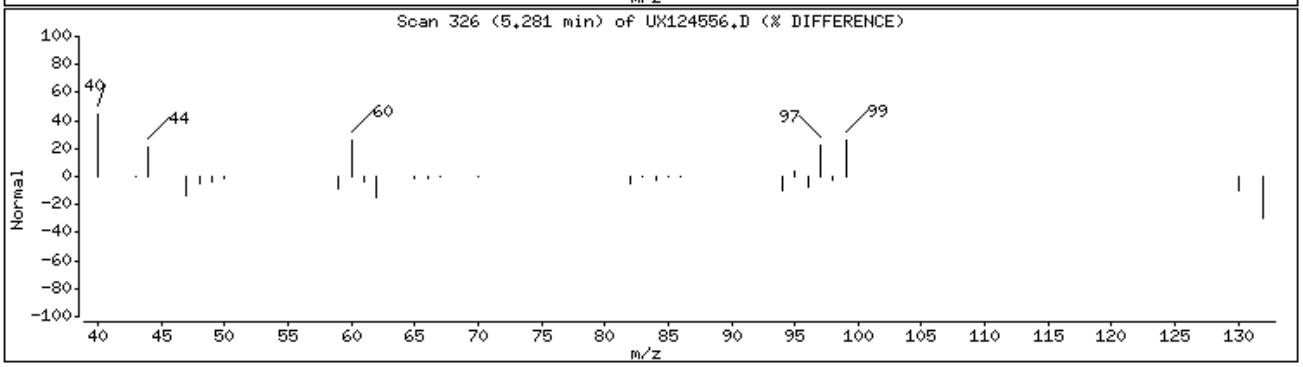
Column phase: DB624 Column diameter: 0.18

42 Trichloroethene Concentration: 0.1751 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\UX124556.D

Date : 14-JUN-2005 14:46

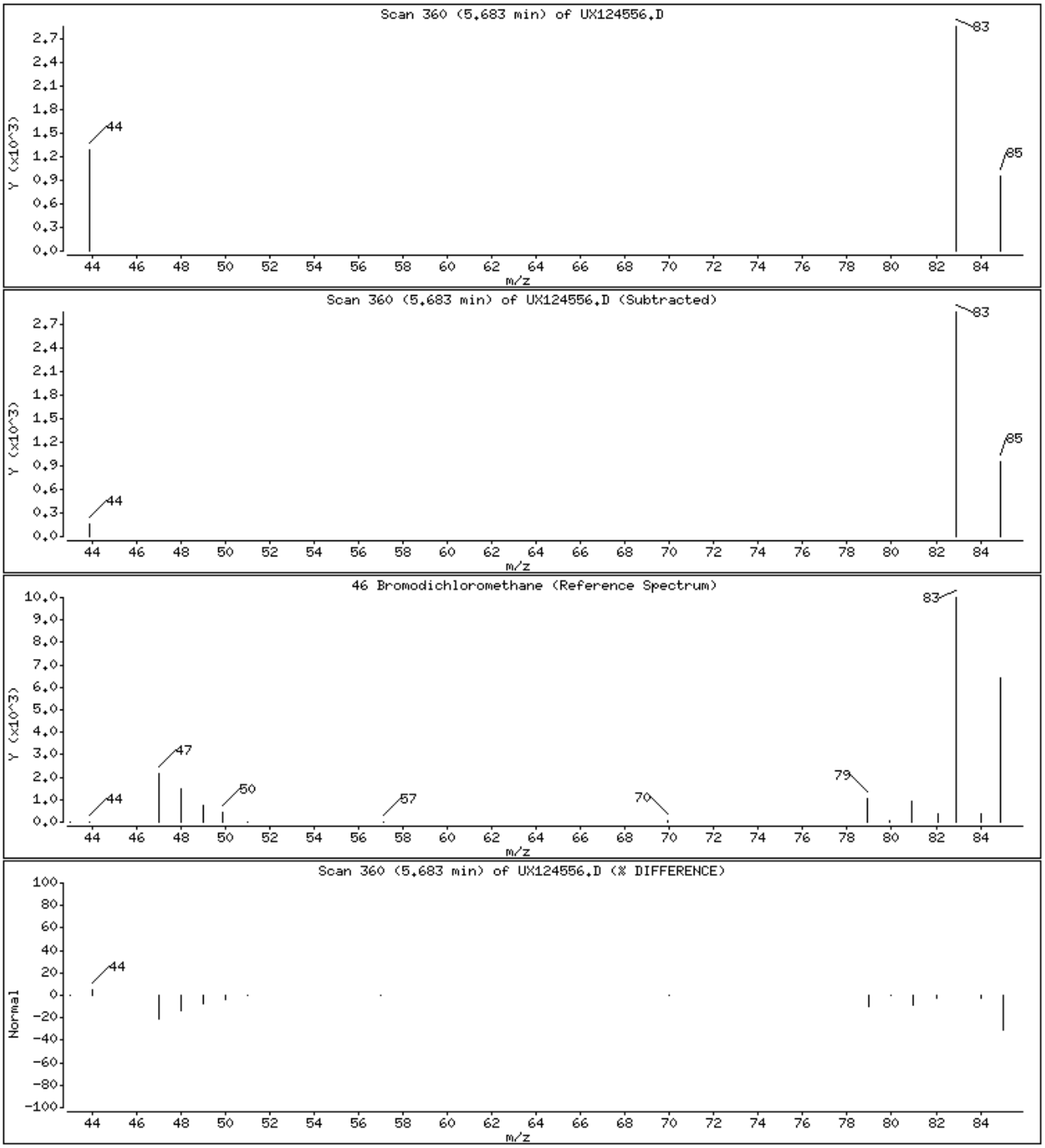
Client ID: GW-060105-AJ-036 Instrument: a3ux12.i

Sample Info: HCREJ1AC,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

46 Bromodichloromethane Concentration: 0.3004 ug/L



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Date : 14-JUN-2005 14:46

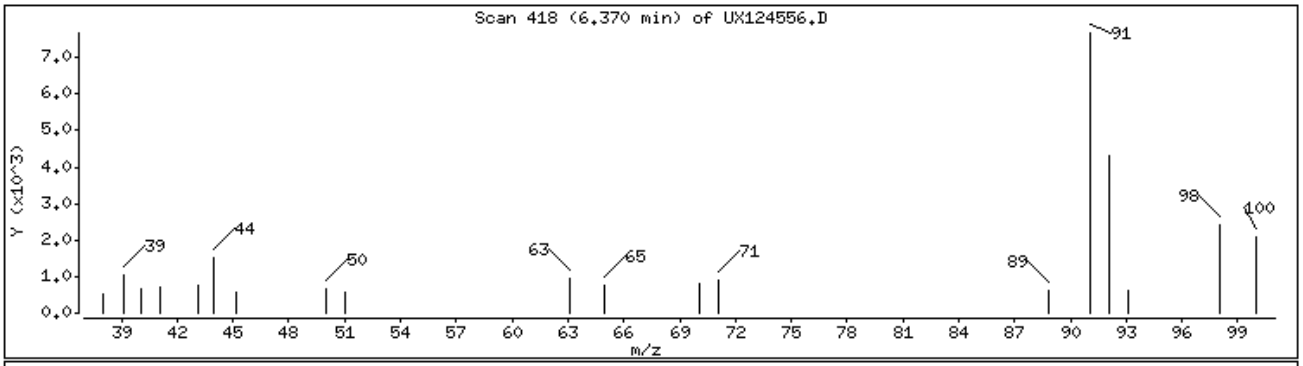
Client ID: GW-060105-AJ-036 Instrument: a3ux12.i

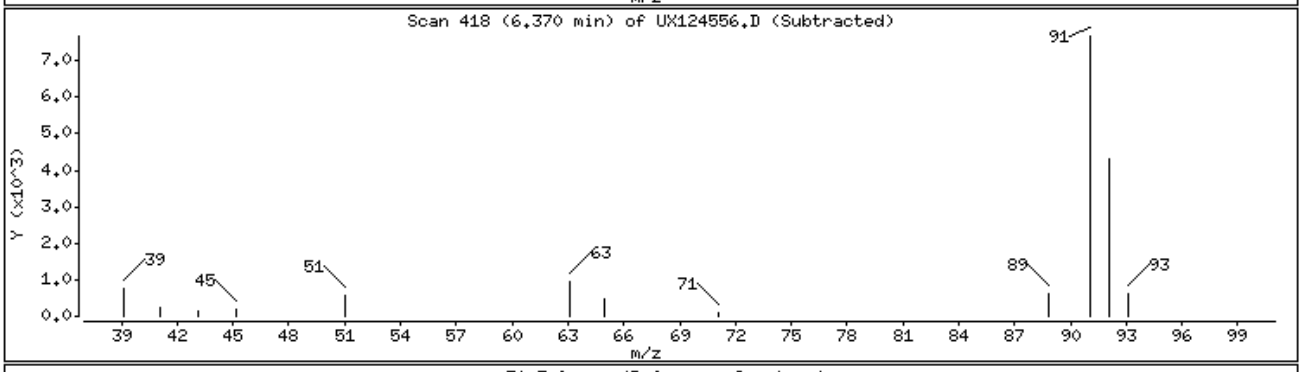
Sample Info: HCREJ1AC,5ML/5ML

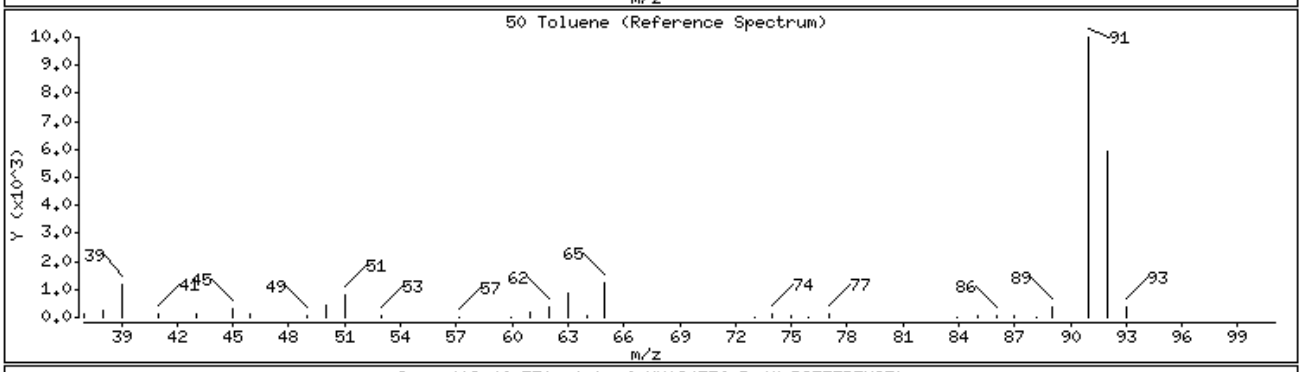
Purge Volume: 5.0 Operator: 1903

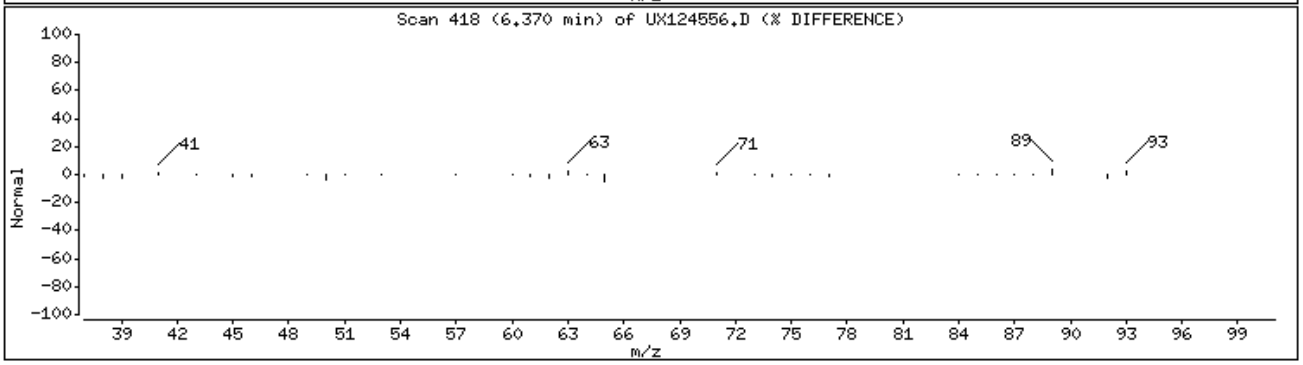
Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 0.2174 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\UX124556.D

Date : 14-JUN-2005 14:46

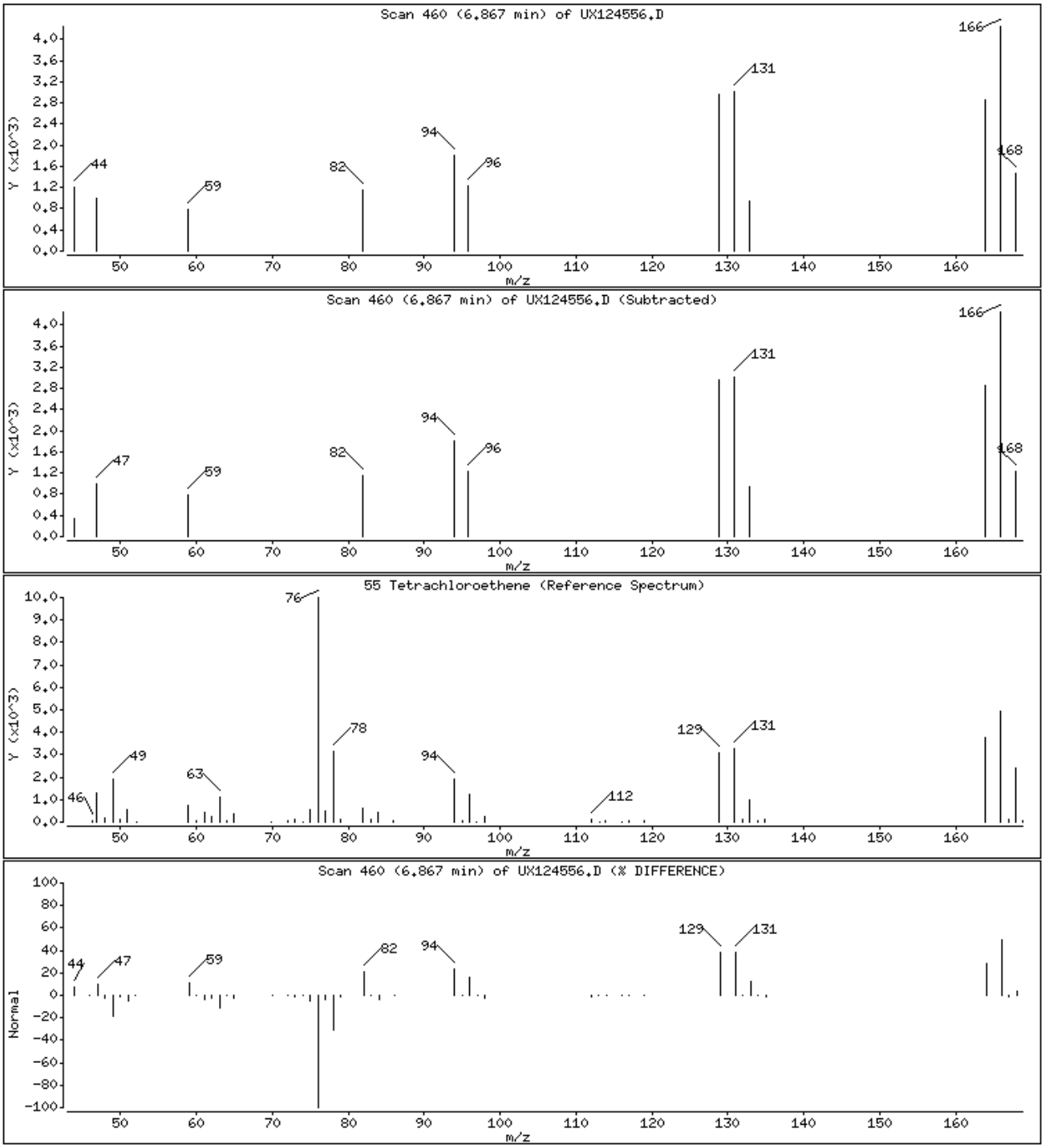
Client ID: GW-060105-AJ-036 Instrument: a3ux12.i

Sample Info: HCREJ1AC,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 0.6367 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\UX124556.D

Date : 14-JUN-2005 14:46

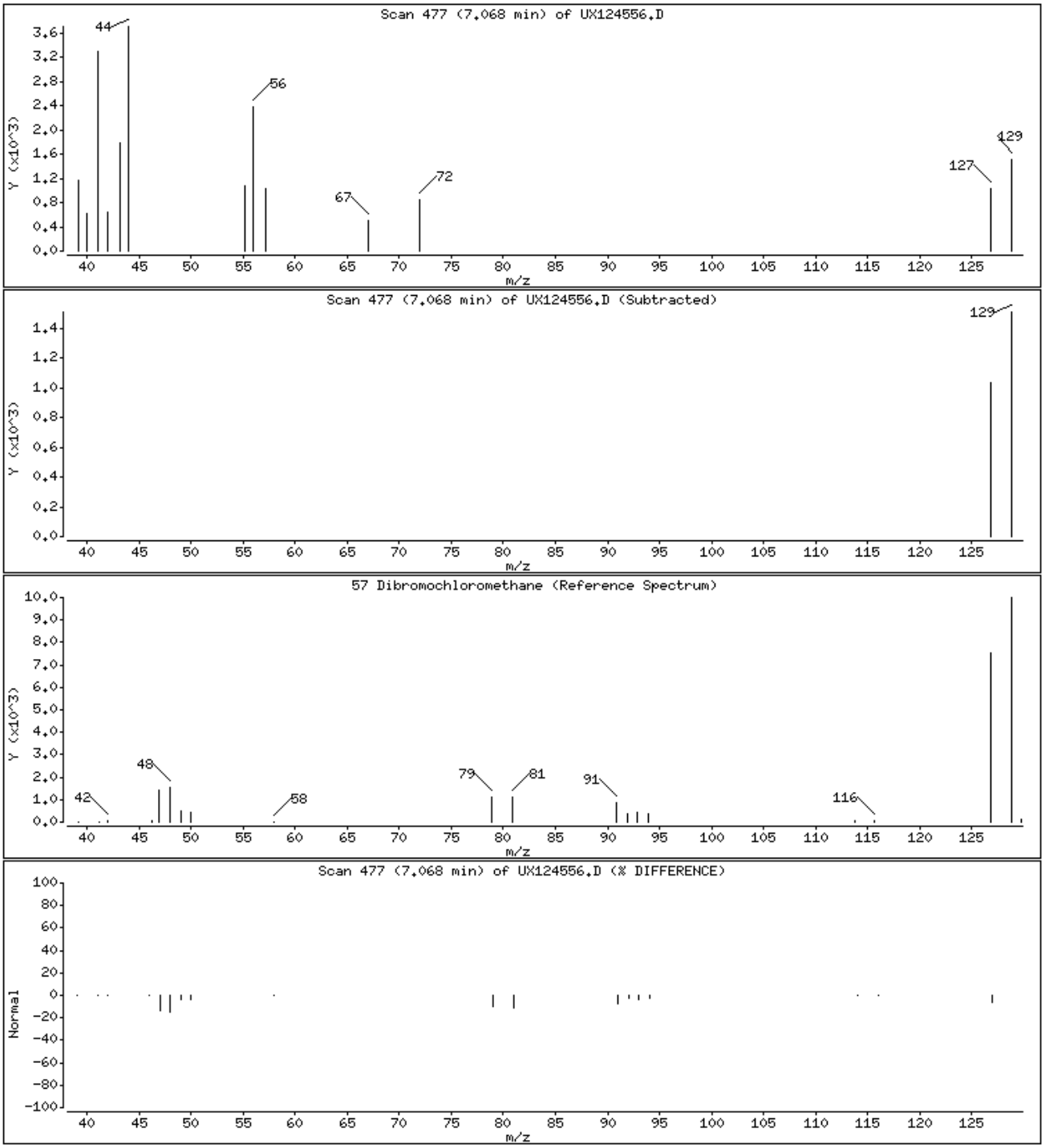
Client ID: GW-060105-AJ-036 Instrument: a3ux12.i

Sample Info: HCREJ1AC,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

57 Dibromochloromethane Concentration: 1.093 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\UX124556.D

Date : 14-JUN-2005 14:46

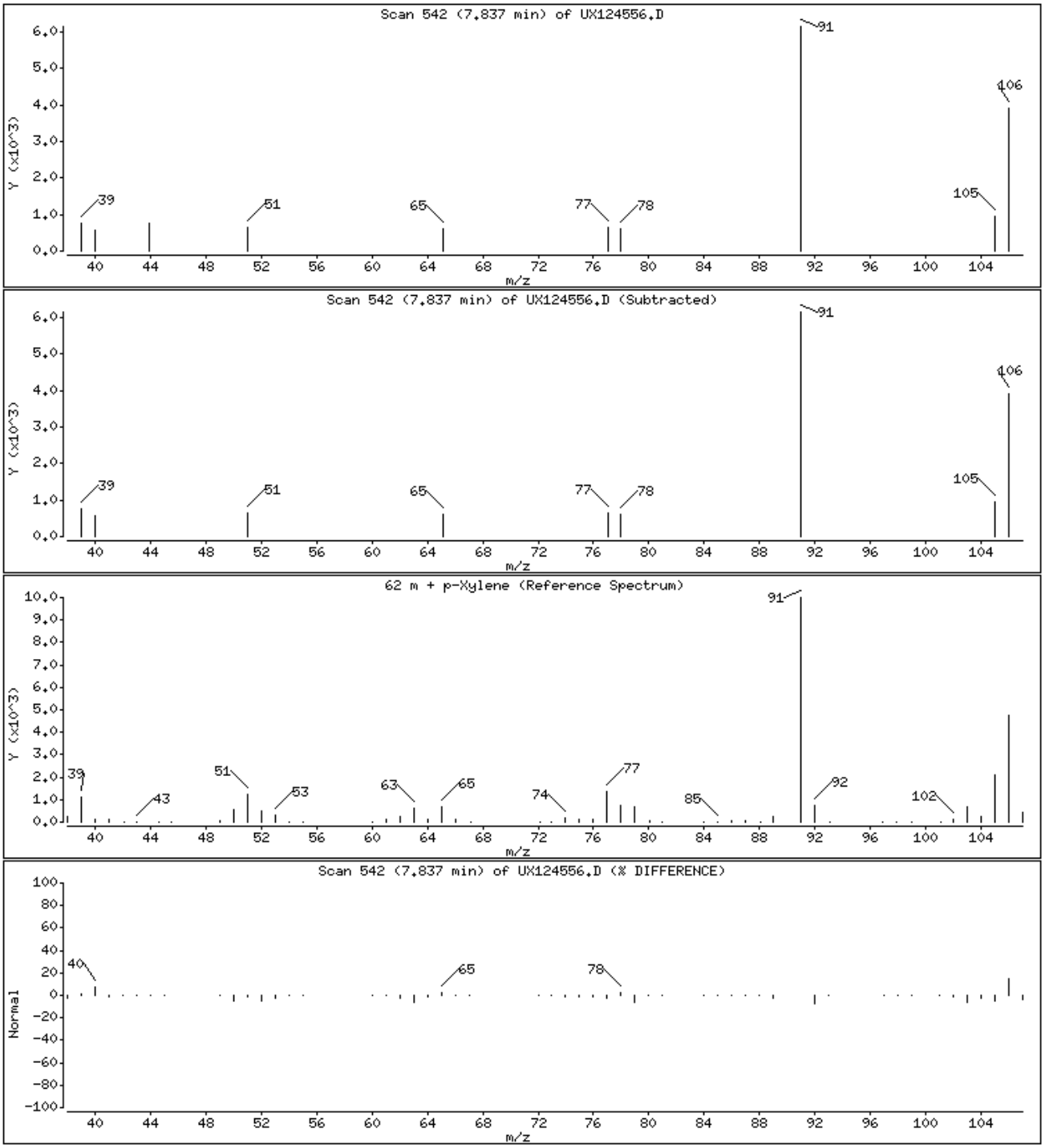
Client ID: GW-060105-AJ-036 Instrument: a3ux12.i

Sample Info: HCREJ1AC,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

62 m + p-Xylene Concentration: 0.2174 ug/L



STANDARD DATA

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux12.i\T50612A.b\8260LLUX12.m
Start Cal Date: 01-APR-2005 16:40
End Cal Date : 12-JUN-2005 19:15
Last Cal Level: 1
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 2.50000		
01-APR-2005 23:46	3-IX	\\qcanoh04\dd\chem\MSV\a3ux12.i\T50401A.b\UX122779.D
12-JUN-2005 19:15	2-8260	\\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\UX124494.D
Cal Level: 2 , Cal Amount: 10.00000		
02-APR-2005 00:11	3-IX	\\qcanoh04\dd\chem\MSV\a3ux12.i\T50401A.b\UX122780.D
12-JUN-2005 18:49	2-8260	\\qcanoh04\dd\chem\MSV\a3ux12.i\T50612A.b\UX124493.D
Cal Level: 3 , Cal Amount: 25.00000		
02-APR-2005 00:37	3-IX	\\qcanoh04\dd\chem\MSV\a3ux12.i\T50401A.b\UX122781.D
12-JUN-2005 18:24	2-8260	\\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\UX124492.D
Cal Level: 4 , Cal Amount: 50.00000		
02-APR-2005 01:02	3-IX	\\qcanoh04\dd\chem\MSV\a3ux12.i\T50401A.b\UX122782.D
12-JUN-2005 17:58	2-8260	\\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\UX124491.D
Cal Level: 5 , Cal Amount: 100.00000		
02-APR-2005 01:28	3-IX	\\qcanoh04\dd\chem\MSV\a3ux12.i\T50401A.b\UX122783.D
12-JUN-2005 17:33	2-8260	\\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\UX124490.D
Cal Level: 6 , Cal Amount: 250.00000		
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12-JUN-2005 17:07	2-8260	

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Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

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+-----------------+-----------------+-----------------------------------------+
|12-JUN-2005 17:58 |2-8260          |                                         |
|\\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\UX124491.D                         |
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Report Date : 12-Jun-2005 19:37

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 01-APR-2005 16:40
End Cal Date : 12-JUN-2005 19:15
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T50612A.b\8260LLUX12.m
Last Edit : 12-Jun-2005 19:31 laveyt
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50401A.b\UX122779.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50401A.b\UX122780.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50401A.b\UX122781.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50401A.b\UX122782.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50401A.b\UX122783.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50401A.b\UX122784.D

	Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	___ RRF	% RSD	
	8 Dichlorodifluoromethane	0.11659	0.14456	0.24708	0.24054	0.30481	0.26806	0.22027	33.386	
	9 Chloromethane	0.48710	0.45633	0.48999	0.47210	0.50324	0.49692	0.48428	3.564	
	10 Vinyl Chloride	0.34665	0.31749	0.38984	0.38153	0.42080	0.41165	0.37799	10.424	
	11 Bromomethane	0.09679	0.12982	0.16640	0.16713	0.18997	0.20773	0.15964	25.326	
	12 Chloroethane	0.07708	0.15169	0.21315	0.21424	0.23214	0.23496	0.18721	33.008	
	13 Trichlorofluoromethane	0.29970	0.25660	0.33416	0.33563	0.39247	0.36354	0.33035	14.442	
	14 Dichlorofluoromethane	0.29810	0.28269	0.40051	0.42911	0.45313	0.54126	0.40080	24.387	
	15 Acrolein	0.05517	0.04645	0.04699	0.04557	0.04976	0.05064	0.04910	7.268	
	16 Acetone	+++++	0.28825	0.21568	0.19591	0.19884	0.19046	0.21783	18.582	
	17 1,1-Dichloroethene	0.33850	0.34928	0.44399	0.42337	0.48268	0.46094	0.41646	14.311	
	18 Freon-113	+++++	0.08073	0.14269	0.13812	0.16801	0.14998	0.13591	24.194	<-
	19 Iodomethane	0.40343	0.23799	0.39906	0.39232	0.39123	0.32604	0.35834	18.280	
	20 Carbon Disulfide	1.05787	0.87428	0.84899	0.86345	0.97108	0.93867	0.92572	8.655	
	21 Methylene Chloride	+++++	0.42097	0.29303	0.27987	0.29624	0.29221	0.31646	18.564	
	22 Acetonitrile	0.06408	0.05579	0.05180	0.05075	0.05273	0.05278	0.05466	8.990	
	23 Acrylonitrile	0.13235	0.12045	0.12076	0.11478	0.12036	0.11973	0.12141	4.788	
	24 Methyl tert-butyl ether	0.70584	0.66703	0.70519	0.68454	0.74628	0.78144	0.71505	5.868	
	25 trans-1,2-Dichloroethene	0.34506	0.35944	0.39325	0.37060	0.41028	0.39838	0.37950	6.625	
	26 Hexane	0.17876	0.15490	0.18178	0.16008	0.19737	0.18728	0.17670	9.199	
	27 Vinyl acetate	0.57491	0.51982	0.51934	0.53652	0.60173	0.60993	0.56037	7.260	
	28 1,1-Dichloroethane	0.48189	0.42968	0.49737	0.46041	0.50771	0.49111	0.47803	5.982	
	29 tert-Butyl Alcohol	0.03185	0.03334	0.02818	0.02995	0.03216	0.03051	0.03100	5.922	
	30 2-Butanone	0.20641	0.21569	0.24075	0.21949	0.23216	0.23098	0.22425	5.621	
M	31 1,2-Dichloroethene (total)	0.37269	0.37448	0.39487	0.37521	0.41711	0.40745	0.39030	4.891	
	32 cis-1,2-dichloroethene	0.40032	0.38952	0.39650	0.37982	0.42394	0.41652	0.40110	4.124	
	33 2,2-Dichloropropane	0.12448	0.12835	0.17335	0.18467	0.21535	0.22671	0.17548	24.344	
	34 Bromochloromethane	0.09239	0.13041	0.12743	0.12129	0.13578	0.12906	0.12273	12.697	
	35 Chloroform	0.43457	0.40626	0.45222	0.42137	0.47058	0.46923	0.44237	5.912	

Report Date : 12-Jun-2005 19:37

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 01-APR-2005 16:40
End Cal Date : 12-JUN-2005 19:15
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T50612A.b\8260LLUX12.m
Last Edit : 12-Jun-2005 19:31 laveyt
Curve Type : Average

	Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	RRF	% RSD	
	36 Tetrahydrofuran	+++++	0.19833	0.12585	0.10410	0.10908	0.10646	0.12876	30.923	
	37 1,1,1-Trichloroethane	0.28652	0.30230	0.34293	0.32349	0.36810	0.34927	0.32877	9.307	
	38 1,1-Dichloropropene	0.28301	0.27129	0.34374	0.31966	0.35609	0.34847	0.32038	11.181	
	39 Carbon Tetrachloride	0.23500	0.19374	0.22806	0.23306	0.27175	0.25872	0.23672	11.412	
	40 1,2-Dichloroethane	0.40720	0.37581	0.39713	0.37697	0.40943	0.40471	0.39521	3.836	
	41 Benzene	1.08863	1.01590	1.09103	1.04221	1.10990	1.11429	1.07699	3.655	
	42 Trichloroethene	0.28036	0.26090	0.26041	0.24548	0.26939	0.26332	0.26331	4.362	
	43 1,2-Dichloropropane	0.28753	0.25140	0.27227	0.25199	0.28108	0.28076	0.27084	5.760	
	44 1,4-Dioxane	0.00223	0.00344	0.00285	0.00315	0.00333	+++++	0.00300	16.212	<-
	45 Dibromomethane	0.18190	0.13847	0.14845	0.15144	0.15993	0.15603	0.15604	9.381	
	46 Bromodichloromethane	0.26318	0.24171	0.28819	0.29289	0.33080	0.33749	0.29238	12.751	
	47 2-Chloroethyl vinyl ether	0.08537	0.10017	0.11506	0.11654	0.13545	0.14893	0.11692	19.683	
	48 cis-1,3-Dichloropropene	0.26911	0.29725	0.36923	0.37804	0.42772	0.44011	0.36358	18.870	
	49 4-Methyl-2-pentanone	0.30064	0.29622	0.36946	0.34561	0.36804	0.36756	0.34125	10.068	
	50 Toluene	1.37743	1.29845	1.41235	1.36798	1.52111	1.52564	1.41716	6.365	
	51 trans-1,3-Dichloropropene	0.33372	0.30051	0.40647	0.44051	0.50027	0.54077	0.42037	22.151	
	52 Ethyl Methacrylate	0.29760	0.32784	0.41182	0.42625	0.48839	0.51270	0.41077	20.755	
	53 1,1,2-Trichloroethane	0.33312	0.29707	0.30165	0.28276	0.30614	0.30618	0.30449	5.418	
	54 1,3-Dichloropropane	0.54738	0.53024	0.57225	0.55846	0.59967	0.61396	0.57033	5.568	
	55 Tetrachloroethene	0.23106	0.20911	0.21808	0.20271	0.23158	0.22924	0.22030	5.605	
	56 2-Hexanone	0.29646	0.35031	0.41438	0.39691	0.41510	0.42349	0.38278	13.012	
	57 Dibromochloromethane	0.17272	0.19655	0.24032	0.25317	0.27999	0.30004	0.24046	20.195	
	58 1,2-Dibromoethane	0.29221	0.24297	0.29985	0.28950	0.30941	0.31555	0.29158	8.849	
	59 Chlorobenzene	0.87975	0.88104	0.95316	0.87170	0.97950	0.98474	0.92498	5.752	
	60 1,1,1,2-Tetrachloroethane	0.24360	0.25205	0.27003	0.27730	0.30868	0.32517	0.27947	11.399	
	61 Ethylbenzene	1.23207	1.23518	1.39923	1.35060	1.53166	1.58327	1.38867	10.582	
	62 m + p-Xylene	0.94040	0.93769	1.08704	1.06521	1.21797	1.25228	1.08343	12.290	
M	63 Xylenes (total)	0.94854	0.96618	1.10544	1.08285	1.23602	1.27613	1.10253	12.213	
	64 Xylene-o	0.96482	1.02314	1.14225	1.11813	1.27213	1.32382	1.14071	12.152	
	65 Styrene	0.74794	0.77754	0.97745	0.97085	1.11112	1.17335	0.95971	17.869	
	66 Bromoform	+++++	0.10976	0.12895	0.14329	0.16827	0.19581	0.14922	22.571	
	67 Isopropylbenzene	0.95232	0.89388	1.08201	1.03166	1.17062	1.23319	1.06061	12.126	
	68 1,1,2,2-Tetrachloroethane	0.86046	0.82542	0.87052	0.84633	0.91591	0.89239	0.86850	3.725	
	69 1,4-Dichloro-2-butene	+++++	0.08704	0.14036	0.15919	0.19907	0.24373	0.16588	35.759	
	70 1,2,3-Trichloropropane	0.31625	0.30543	0.32699	0.29770	0.31847	0.30426	0.31152	3.489	
	71 Bromobenzene	0.85844	0.79801	0.79825	0.70349	0.78306	0.76648	0.78462	6.430	

Report Date : 12-Jun-2005 19:37

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 01-APR-2005 16:40
End Cal Date : 12-JUN-2005 19:15
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T50612A.b\8260LLUX12.m
Last Edit : 12-Jun-2005 19:31 laveyt
Curve Type : Average

Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	RRF	% RSD	
72 n-Propylbenzene	2.33388	2.20979	2.48252	2.37204	2.77074	2.69458	2.47726	8.780	
73 2-Chlorotoluene	0.62796	0.63882	0.63742	0.57011	0.64148	0.61325	0.62151	4.378	
74 1,3,5-Trimethylbenzene	1.53473	1.69143	1.88821	1.74074	1.99967	1.97417	1.80482	10.020	
75 4-Chlorotoluene	0.63878	0.66583	0.65576	0.62883	0.69701	0.66867	0.65915	3.663	
76 tert-Butylbenzene	1.53949	1.54152	1.55361	1.42234	1.66817	1.58210	1.55121	5.115	
77 1,2,4-Trimethylbenzene	1.89578	1.86635	2.04470	1.90604	2.19452	2.13802	2.00757	6.905	
78 sec-Butylbenzene	2.15122	1.96825	2.19213	1.90366	2.29260	2.14956	2.10957	6.903	
79 4-Isopropyltoluene	1.71010	1.77571	1.90811	1.73566	2.00336	1.87212	1.83418	6.171	
80 1,3-Dichlorobenzene	1.38469	1.26183	1.34356	1.17873	1.34152	1.29544	1.30096	5.646	
81 1,4-Dichlorobenzene	1.62656	1.43573	1.42576	1.30364	1.44397	1.37194	1.43460	7.514	
82 n-Butylbenzene	1.48784	1.59733	1.62613	1.59747	1.87226	1.68556	1.64443	7.829	
83 1,2-Dichlorobenzene	1.39688	1.28400	1.30742	1.21938	1.38337	1.30865	1.31662	4.988	
84 1,2-Dibromo-3-chloropropane	++++++	0.12141	0.14341	0.13494	0.15310	0.15872	0.14232	10.411	
85 1,2,4-Trichlorobenzene	0.74273	0.73514	0.72482	0.65229	0.73163	0.64235	0.70483	6.388	
86 Hexachlorobutadiene	0.66850	0.57380	0.37372	0.29230	0.32479	0.25965	0.41546	40.061	
87 Naphthalene	2.09618	2.24368	2.13742	2.10495	2.30690	2.16273	2.17531	3.835	
88 1,2,3-Trichlorobenzene	0.63229	0.71115	0.65430	0.62536	0.67242	0.57894	0.64574	6.968	
89 Ethyl Ether	0.23498	0.25384	0.24567	0.24334	0.26093	0.26828	0.25117	4.873	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
91 3-Chloropropene	0.12414	0.13028	0.14423	0.14707	0.15182	0.15288	0.14174	8.355	
92 Isopropyl Ether	0.21233	0.23362	0.23882	0.24073	0.25270	0.25716	0.23923	6.637	
93 2-Chloro-1,3-butadiene	0.37001	0.42997	0.43648	0.44382	0.46245	0.46269	0.43424	7.874	
94 Propionitrile	+++++	0.03619	0.03790	0.04135	0.04401	0.04607	0.04111	9.999	
95 Ethyl Acetate	0.32903	0.30011	0.29242	0.28238	0.30398	0.32585	0.30563	6.042	
96 Methacrylonitrile	0.21648	0.21856	0.21259	0.20653	0.21357	0.21987	0.21460	2.255	
97 Isobutanol	0.00605	0.00601	0.00627	0.00790	0.00814	0.00909	0.00724	18.047	<-
98 Cyclohexane	0.26416	0.26867	0.30256	0.28330	0.34847	0.31824	0.29756	10.836	
99 n-Butanol	+++++	0.00272	0.00301	0.00353	0.00418	0.00515	0.00372	26.291	<-
100 Methyl Methacrylate	0.20058	0.22821	0.22871	0.24656	0.26825	0.29577	0.24468	13.726	
101 2-Nitropropane	+++++	0.01103	0.01473	0.01524	0.01679	0.01839	0.01524	18.067	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
103 Cyclohexanone	0.02138	0.01591	0.01915	0.02271	0.02569	0.02909	0.02232	20.949	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

Report Date : 12-Jun-2005 19:37

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 01-APR-2005 16:40
End Cal Date : 12-JUN-2005 19:15
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T50612A.b\8260LLUX12.m
Last Edit : 12-Jun-2005 19:31 laveyt
Curve Type : Average

Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	___ RRF	% RSD	
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
M 137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
141 1,3,5-Trichlorobenzene	0.89891	0.91272	0.81407	0.69375	0.78431	0.69080	0.79909	12.022	
143 Methyl Acetate	0.32726	0.29891	0.27605	0.25237	0.26900	0.26386	0.28124	9.728	
144 Methylcyclohexane	0.18481	0.16939	0.20831	0.18657	0.24496	0.22339	0.20291	13.826	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
146 2-Methylnaphthalene	0.59822	0.63603	0.85311	1.04824	1.15027	1.34065	0.93775	31.388	
147 Allyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 4 Dibromofluoromethane	+++++	0.20053	0.23005	0.23564	0.23607	0.22957	0.22637	6.520	
$ 5 1,2-Dichloroethane-d4	+++++	0.33503	0.33591	0.31843	0.34054	0.33631	0.33325	2.565	
$ 6 Toluene-d8	+++++	1.10574	1.16682	1.20826	1.22172	1.22307	1.18512	4.209	
$ 7 Bromofluorobenzene	+++++	0.47813	0.46768	0.47890	0.48488	0.51097	0.48411	3.354	

port Date : 12-Jun-2005 19:43

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 01-APR-2005 16:40
d Cal Date : 12-JUN-2005 19:15
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T50612A.b\8260LLUX12.m
st Edit : 12-Jun-2005 19:31 laveyt

libration File Names:
vel 1: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50401A.b\UX122779.D
vel 2: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50401A.b\UX122780.D
vel 3: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50401A.b\UX122781.D
vel 4: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50401A.b\UX122782.D
vel 5: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50401A.b\UX122783.D
vel 6: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50401A.b\UX122784.D

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
8 Dichlorodifluoromethane	4051	10014	86406	168699	424869	948700	LINR	0.02364	0.27436		0.99551
9 Chloromethane	0.48710	0.45633	0.48999	0.47210	0.50324	0.49692	AVRG		0.48428		3.56383
10 Vinyl Chloride	0.34665	0.31749	0.38984	0.38153	0.42080	0.41165	AVRG		0.37799		10.42370
11 Bromomethane	3363	8993	58192	117217	264791	735212	LINR	0.10361	0.21010		0.99830
12 Chloroethane	2678	10508	74542	150254	323572	831556	LINR	0.05093	0.23715		0.99985
13 Trichlorofluoromethane	0.29970	0.25660	0.33416	0.33563	0.39247	0.36354	AVRG		0.33035		14.44194
14 Dichlorofluoromethane	11442	21253	154944	325439	688798	2047456	LINR	0.13722	0.54750		0.99569
15 Acrolein	0.05517	0.04645	0.04699	0.04557	0.04976	0.05064	AVRG		0.04910		7.26809
16 Acetone	+++++	39935	150849	274807	554332	1348117	LINR	-0.12995	0.18852		0.99980
17 1,1-Dichloroethene	0.33850	0.34928	0.44399	0.42337	0.48268	0.46094	AVRG		0.41646		14.31123
18 Freon-113	+++++	5592	49901	96872	234189	530813	LINR	0.01376	0.15279		0.99614
19 Iodomethane	14017	16486	139558	275148	545324	1153902	LINR	-0.10105	0.32934		0.99263
20 Carbon Disulfide	1.05787	0.87428	0.84899	0.86345	0.97108	0.93867	AVRG		0.92572		8.65534
21 Methylene Chloride	+++++	29161	102478	196285	412928	1034174	LINR	-0.00962	0.29162		0.99973

port Date : 12-Jun-2005 19:43

STL North Canton

INITIAL CALIBRATION DATA

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ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T50612A.b\8260LLUX12.m
st Edit : 12-Jun-2005 19:31 laveyt

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
22 Acetonitrile	0.06408	0.05579	0.05180	0.05075	0.05273	0.05278	AVRG		0.05466		8.99008
23 Acrylonitrile	0.13235	0.12045	0.12076	0.11478	0.12036	0.11973	AVRG		0.12141		4.78788
24 Methyl tert-butyl ether	0.70584	0.66703	0.70519	0.68454	0.74628	0.78144	AVRG		0.71505		5.86766
25 trans-1,2-Dichloroethene	0.34506	0.35944	0.39325	0.37060	0.41028	0.39838	AVRG		0.37950		6.62459
26 Hexane	0.17876	0.15490	0.18178	0.16008	0.19737	0.18728	AVRG		0.17670		9.19916
27 Vinyl acetate	0.57491	0.51982	0.51934	0.53652	0.60173	0.60993	AVRG		0.56037		7.25993
28 1,1-Dichloroethane	0.48189	0.42968	0.49737	0.46041	0.50771	0.49111	AVRG		0.47803		5.98213
29 tert-Butyl Alcohol	0.03185	0.03334	0.02818	0.02995	0.03216	0.03051	AVRG		0.03100		5.92187
30 2-Butanone	0.20641	0.21569	0.24075	0.21949	0.23216	0.23098	AVRG		0.22425		5.62114
31 1,2-Dichloroethene (total)	0.37269	0.37448	0.39487	0.37521	0.41711	0.40745	AVRG		0.39030		4.89053
32 cis-1,2-dichloroethene	0.40032	0.38952	0.39650	0.37982	0.42394	0.41652	AVRG		0.40110		4.12406
33 2,2-Dichloropropane	4325	8891	60622	129514	300171	802363	LINR	0.09689	0.22986		0.99885
34 Bromochloromethane	0.09239	0.13041	0.12743	0.12129	0.13578	0.12906	AVRG		0.12273		12.69744
35 Chloroform	0.43457	0.40626	0.45222	0.42137	0.47058	0.46923	AVRG		0.44237		5.91226
36 Tetrahydrofuran	+++++	13739	44011	73007	152045	376796	LINR	-0.06553	0.10499		0.99953
37 1,1,1-Trichloroethane	0.28652	0.30230	0.34293	0.32349	0.36810	0.34927	AVRG		0.32877		9.30654
38 1,1-Dichloropropene	0.28301	0.27129	0.34374	0.31966	0.35609	0.34847	AVRG		0.32038		11.18149
39 Carbon Tetrachloride	0.23500	0.19374	0.22806	0.23306	0.27175	0.25872	AVRG		0.23672		11.41202
40 1,2-Dichloroethane	0.40720	0.37581	0.39713	0.37697	0.40943	0.40471	AVRG		0.39521		3.83589
41 Benzene	1.08863	1.01590	1.09103	1.04221	1.10990	1.11429	AVRG		1.07699		3.65520
42 Trichloroethene	0.28036	0.26090	0.26041	0.24548	0.26939	0.26332	AVRG		0.26331		4.36225
43 1,2-Dichloropropane	0.28753	0.25140	0.27227	0.25199	0.28108	0.28076	AVRG		0.27084		5.76019

port Date : 12-Jun-2005 19:43

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 01-APR-2005 16:40
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ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T50612A.b\8260LLUX12.m
st Edit : 12-Jun-2005 19:31 laveyt

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
44 1,4-Dioxane	0.00223	0.00344	0.00285	0.00315	0.00333	0.00278	AVRG		0.00296		14.96896	<-
45 Dibromomethane	0.18190	0.13847	0.14845	0.15144	0.15993	0.15603	AVRG		0.15604		9.38085	
46 Bromodichloromethane	0.26318	0.24171	0.28819	0.29289	0.33080	0.33749	AVRG		0.29238		12.75057	
47 2-Chloroethyl vinyl ether	5932	13878	80477	163468	377608	1054198	LINR	0.22089	0.15073		0.99784	
48 cis-1,3-Dichloropropene	9350	20591	129126	265136	596186	1557627	LINR	0.06947	0.44476		0.99939	
49 4-Methyl-2-pentanone	0.30064	0.29622	0.36946	0.34561	0.36804	0.36756	AVRG		0.34125		10.06796	
50 Toluene	1.37743	1.29845	1.41235	1.36798	1.52111	1.52564	AVRG		1.41716		6.36518	
51 trans-1,3-Dichloropropene	8917	15852	109060	235817	532815	1442555	LINR	0.10429	0.54770		0.99853	
52 Ethyl Methacrylate	7952	17294	110494	228186	520169	1367683	LINR	0.08575	0.51873		0.99904	
53 1,1,2-Trichloroethane	0.33312	0.29707	0.30165	0.28276	0.30614	0.30618	AVRG		0.30449		5.41784	
54 1,3-Dichloropropane	0.54738	0.53024	0.57225	0.55846	0.59967	0.61396	AVRG		0.57033		5.56831	
55 Tetrachloroethene	0.23106	0.20911	0.21808	0.20271	0.23158	0.22924	AVRG		0.22030		5.60539	
56 2-Hexanone	0.29646	0.35031	0.41438	0.39691	0.41510	0.42349	AVRG		0.38278		13.01244	
57 Dibromochloromethane	4615	10368	64479	135528	298210	800375	LINR	0.08810	0.30312		0.99894	
58 1,2-Dibromoethane	0.29221	0.24297	0.29985	0.28950	0.30941	0.31555	AVRG		0.29158		8.84863	
59 Chlorobenzene	0.87975	0.88104	0.95316	0.87170	0.97950	0.98474	AVRG		0.92498		5.75192	
60 1,1,1,2-Tetrachloroethane	0.24360	0.25205	0.27003	0.27730	0.30868	0.32517	AVRG		0.27947		11.39893	
61 Ethylbenzene	1.23207	1.23518	1.39923	1.35060	1.53166	1.58327	AVRG		1.38867		10.58155	
62 m + p-Xylene	0.94040	0.93769	1.08704	1.06521	1.21797	1.25228	AVRG		1.08343		12.29019	
63 Xylenes (total)	0.94854	0.96618	1.10544	1.08285	1.23602	1.27613	AVRG		1.10253		12.21314	
64 Xylene-o	0.96482	1.02314	1.14225	1.11813	1.27213	1.32382	AVRG		1.14071		12.15179	
65 Styrene	19985	41016	262258	519724	1183414	3129999	LINR	0.08314	1.18556		0.99893	

port Date : 12-Jun-2005 19:43

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 01-APR-2005 16:40
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ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T50612A.b\8260LLUX12.m
st Edit : 12-Jun-2005 19:31 laveyt

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
66 Bromoform	+++++	5790	34599	76705	179223	522353	LINR	0.19694	0.20148		0.99661
67 Isopropylbenzene	0.95232	0.89388	1.08201	1.03166	1.17062	1.23319	AVRG		1.06061		12.12647
68 1,1,2,2-Tetrachloroethane	0.86046	0.82542	0.87052	0.84633	0.91591	0.89239	AVRG		0.86850		3.72535
69 1,4-Dichloro-2-butene	+++++	2391	19562	45884	113196	368603	LINR	0.25460	0.25316		0.99452
70 1,2,3-Trichloropropane	0.31625	0.30543	0.32699	0.29770	0.31847	0.30426	AVRG		0.31152		3.48912
71 Bromobenzene	0.85844	0.79801	0.79825	0.70349	0.78306	0.76648	AVRG		0.78462		6.43049
72 n-Propylbenzene	2.33388	2.20979	2.48252	2.37204	2.77074	2.69458	AVRG		2.47726		8.78030
73 2-Chlorotoluene	0.62796	0.63882	0.63742	0.57011	0.64148	0.61325	AVRG		0.62151		4.37831
74 1,3,5-Trimethylbenzene	1.53473	1.69143	1.88821	1.74074	1.99967	1.97417	AVRG		1.80482		10.01963
75 4-Chlorotoluene	0.63878	0.66583	0.65576	0.62883	0.69701	0.66867	AVRG		0.65915		3.66277
76 tert-Butylbenzene	1.53949	1.54152	1.55361	1.42234	1.66817	1.58210	AVRG		1.55121		5.11492
77 1,2,4-Trimethylbenzene	1.89578	1.86635	2.04470	1.90604	2.19452	2.13802	AVRG		2.00757		6.90548
78 sec-Butylbenzene	2.15122	1.96825	2.19213	1.90366	2.29260	2.14956	AVRG		2.10957		6.90275
79 4-Isopropyltoluene	1.71010	1.77571	1.90811	1.73566	2.00336	1.87212	AVRG		1.83418		6.17065
80 1,3-Dichlorobenzene	1.38469	1.26183	1.34356	1.17873	1.34152	1.29544	AVRG		1.30096		5.64569
81 1,4-Dichlorobenzene	1.62656	1.43573	1.42576	1.30364	1.44397	1.37194	AVRG		1.43460		7.51352
82 n-Butylbenzene	1.48784	1.59733	1.62613	1.59747	1.87226	1.68556	AVRG		1.64443		7.82918
83 1,2-Dichlorobenzene	1.39688	1.28400	1.30742	1.21938	1.38337	1.30865	AVRG		1.31662		4.98808
84 1,2-Dibromo-3-chloropropane	+++++	0.12141	0.14341	0.13494	0.15310	0.15872	AVRG		0.14232		10.41139
85 1,2,4-Trichlorobenzene	0.74273	0.73514	0.72482	0.65229	0.73163	0.64235	AVRG		0.70483		6.38833
86 Hexachlorobutadiene	9267	15762	52084	84252	184679	392675	LINR	-0.18376	0.25817		0.99138
87 Naphthalene	2.09618	2.24368	2.13742	2.10495	2.30690	2.16273	AVRG		2.17531		3.83495

port Date : 12-Jun-2005 19:43

STL North Canton

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ant Method : ISTD
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st Edit : 12-Jun-2005 19:31 laveyt

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
88 1,2,3-Trichlorobenzene	0.63229	0.71115	0.65430	0.62536	0.67242	0.57894	AVRG		0.64574		6.96753	
89 Ethyl Ether	0.23498	0.25384	0.24567	0.24334	0.26093	0.26828	AVRG		0.25117		4.87264	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	0.12414	0.13028	0.14423	0.14707	0.15182	0.15288	AVRG		0.14174		8.35471	
92 Isopropyl Ether	0.21233	0.23362	0.23882	0.24073	0.25270	0.25716	AVRG		0.23923		6.63683	
93 2-Chloro-1,3-butadiene	0.37001	0.42997	0.43648	0.44382	0.46245	0.46269	AVRG		0.43424		7.87429	
94 Propionitrile	+++++	0.03619	0.03790	0.04135	0.04401	0.04607	AVRG		0.04111		9.99925	
95 Ethyl Acetate	0.32903	0.30011	0.29242	0.28238	0.30398	0.32585	AVRG		0.30563		6.04205	
96 Methacrylonitrile	0.21648	0.21856	0.21259	0.20653	0.21357	0.21987	AVRG		0.21460		2.25538	
97 Isobutanol	3909	7687	39804	99832	207608	570444	LINR	2.10493	0.00919		0.99805	<-
98 Cyclohexane	0.26416	0.26867	0.30256	0.28330	0.34847	0.31824	AVRG		0.29756		10.83617	
99 n-Butanol	+++++	3476	19096	44592	106730	323410	LINR	4.82506	0.00533		0.99431	<-
100 Methyl Methacrylate	0.20058	0.22821	0.22871	0.24656	0.26825	0.29577	AVRG		0.24468		13.72600	
101 2-Nitropropane	+++++	1659	11394	23109	51050	139150	LINR	0.25204	0.01873		0.99877	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
103 Cyclohexanone	3406	4884	30471	71119	165449	479153	LINR	1.32892	0.02952		0.99703	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

port Date : 12-Jun-2005 19:43

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 01-APR-2005 16:40
d Cal Date : 12-JUN-2005 19:15
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T50612A.b\8260LLUX12.m
st Edit : 12-Jun-2005 19:31 laveyt

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
141 1,3,5-Trichlorobenzene	0.89891	0.91272	0.81407	0.69375	0.78431	0.69080	AVRG		0.79909		12.02167	
143 Methyl Acetate	0.32726	0.29891	0.27605	0.25237	0.26900	0.26386	AVRG		0.28124		9.72756	
144 Methylcyclohexane	0.18481	0.16939	0.20831	0.18657	0.24496	0.22339	AVRG		0.20291		13.82577	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
146 2-Methylnaphthalene	47647	97605	678547	1641149	3703786	11039537	LINR	0.73939	1.36190		0.99646	
147 Allyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
4 Dibromofluoromethane	+++++	0.20053	0.23005	0.23564	0.23607	0.22957	AVRG		0.22637		6.52016	
5 1,2-Dichloroethane-d4	+++++	0.33503	0.33591	0.31843	0.34054	0.33631	AVRG		0.33325		2.56527	
6 Toluene-d8	+++++	1.10574	1.16682	1.20826	1.22172	1.22307	AVRG		1.18512		4.20883	
7 Bromofluorobenzene	+++++	0.47813	0.46768	0.47890	0.48488	0.51097	AVRG		0.48411		3.35444	

:port Date : 12-Jun-2005 19:43

STL North Canton

INITIAL CALIBRATION DATA

.art Cal Date : 01-APR-2005 16:40
d Cal Date : 12-JUN-2005 19:15
.ant Method : ISTD
.rget Version : 4.14
.tegrator : HP RTE
:thod file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T50612A.b\8260LLUX12.m
.st Edit : 12-Jun-2005 19:31 laveyt

urve	Formula	Units
veraged	Amt = Rsp/m1	Response
inear	Amt = b + Rsp/m1	Response

Data File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\UX124489.D
Report Date: 12-Jun-2005 17:23

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\UX124489.D
Lab Smp Id: 250NG-IC
Inj Date : 12-JUN-2005 17:07
Operator : 1903 Inst ID: a3ux12.i
Smp Info : 250NG-IC
Misc Info : T50612A,8260LLUX12,2-8260.SUB,1903,1,6
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\8260LLUX12.m
Meth Date : 12-Jun-2005 17:23 laveyt Quant Type: ISTD
Cal Date : 02-APR-2005 01:53 Cal File: UX122784.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH04

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	4.973	4.973	(1.000)	707839	50.0000	
* 2 Chlorobenzene-d5	117	7.611	7.611	(1.000)	533517	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.836	9.836	(1.000)	302463	50.0000	
$ 4 Dibromofluoromethane	113	4.417	4.417	(0.888)	812504	250.000	254.15(A)
$ 5 1,2-Dichloroethane-d4	65	4.701	4.701	(0.945)	1190269	250.000	298.31(A)
$ 6 Toluene-d8	98	6.310	6.310	(0.829)	3262655	250.000	273.37(A)
$ 7 Bromofluorobenzene	95	8.712	8.712	(1.145)	1363060	250.000	297.66(A)
8 Dichlorodifluoromethane	85	1.517	1.517	(0.305)	948700	250.000	251.83(A)
9 Chloromethane	50	1.659	1.659	(0.334)	1758684	250.000	322.78(A)
10 Vinyl Chloride	62	1.742	1.742	(0.350)	1456919	250.000	274.72(A)
11 Bromomethane	94	2.026	2.026	(0.408)	735212	250.000	280.00(A)
12 Chloroethane	64	2.133	2.133	(0.429)	831556	250.000	270.62(A)
13 Trichlorofluoromethane	101	2.251	2.251	(0.453)	1286627	250.000	253.14(A)
15 Acrolein	56	2.571	2.571	(0.517)	1792129	2500.00	3745.0(A)
16 Acetone	43	2.689	2.689	(0.541)	1348117	500.000	508.87(A)
17 1,1-Dichloroethene	61	2.665	2.665	(0.536)	1631365	250.000	271.56(A)
18 Freon-113	151	2.713	2.713	(0.546)	530813	250.000	223.54
19 Iodomethane	142	2.784	2.784	(0.560)	1153902	250.000	181.79
20 Carbon Disulfide	76	2.855	2.855	(0.574)	3322140	250.000	236.61
21 Methylene Chloride	84	3.032	3.032	(0.610)	1034174	250.000	245.87
22 Acetonitrile	41	2.902	2.902	(0.584)	1867995	2500.00	2908.6(A)
23 Acrylonitrile	53	3.221	3.221	(0.648)	4237302	2500.00	2718.4(A)

Data File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\UX124489.D
Report Date: 12-Jun-2005 17:23

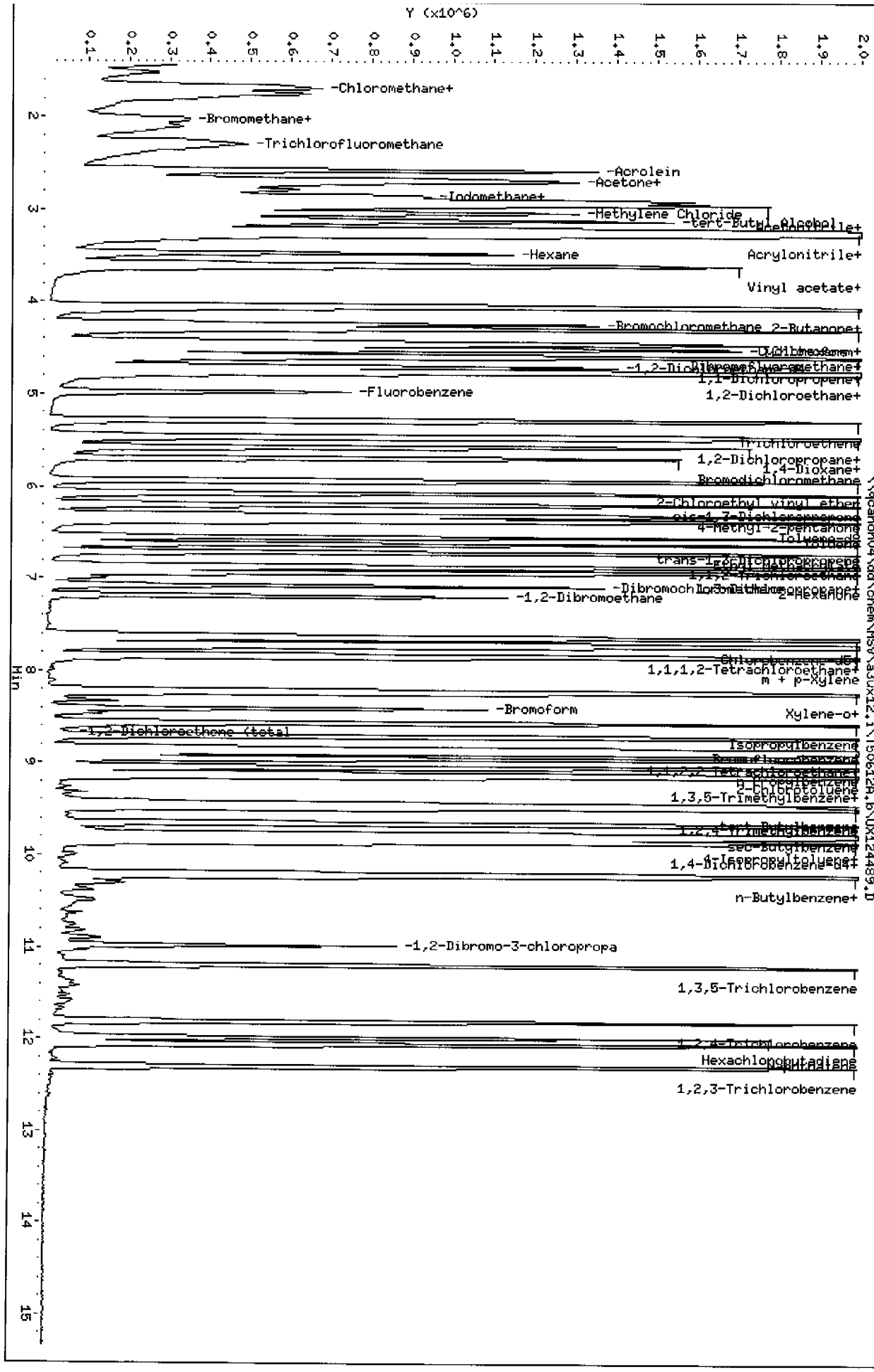
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.257	3.257	(0.655)	2765662	250.000	255.99(A)
	25 trans-1,2-Dichloroethene	61	3.257	3.257	(0.655)	1409941	250.000	278.64(A)
	26 Hexane	57	3.470	3.470	(0.698)	662820	250.000	245.70
	27 Vinyl acetate	43	3.612	3.612	(0.726)	2158660	250.000	497.90(A)
	28 1,1-Dichloroethane	63	3.576	3.576	(0.719)	1738129	250.000	286.40(A)
	29 tert-Butyl Alcohol	59	3.115	3.115	(0.626)	2159827	5000.00	5189.5(A)
	30 2-Butanone	43	4.050	4.050	(0.814)	1634971	500.000	643.36(A)
M	31 1,2-Dichloroethene (total)	61				2884080	500.000	574.54
	32 cis-1,2-dichloroethene	61	4.038	4.038	(0.812)	1474139	250.000	295.90(A)
	33 2,2-Dichloropropane	77	4.050	4.050	(0.814)	802363	250.000	253.18(A)
	34 Bromochloromethane	128	4.239	4.239	(0.852)	456783	250.000	244.41
	35 Chloroform	83	4.286	4.286	(0.862)	1660687	250.000	266.84(A)
	36 Tetrahydrofuran	42	4.275	4.275	(0.860)	376796	250.000	253.18(A)
	37 1,1,1-Trichloroethane	97	4.452	4.452	(0.895)	1236144	250.000	251.20(A)
	38 1,1-Dichloropropene	75	4.582	4.582	(0.921)	1233320	250.000	290.65(A)
	39 Carbon Tetrachloride	117	4.594	4.594	(0.924)	915654	250.000	249.45
	40 1,2-Dichloroethane	62	4.760	4.760	(0.957)	1432344	250.000	304.85(A)
	41 Benzene	78	4.760	4.760	(0.957)	3943675	250.000	256.88(A)
	42 Trichloroethene	130	5.280	5.280	(1.062)	931953	250.000	243.20
	43 1,2-Dichloropropane	63	5.458	5.458	(1.098)	993650	250.000	291.82(A)
	44 1,4-Dioxane	88	5.576	5.576	(1.121)	492776	12500.0	10893(A)
	45 Dibromomethane	93	5.564	5.564	(1.119)	552232	250.000	280.11(A)
	46 Bromodichloromethane	83	5.683	5.683	(1.143)	1194457	250.000	296.96(A)
	47 2-Chloroethyl vinyl ether	63	5.931	5.931	(1.193)	1054198	500.000	509.60(A)
	48 cis-1,3-Dichloropropene	75	6.073	6.073	(1.221)	1557627	250.000	299.50(A)
	49 4-Methyl-2-pentanone	43	6.191	6.191	(1.245)	2601755	500.000	642.03(A)
	50 Toluene	91	6.369	6.369	(0.837)	4069769	250.000	286.93(A)
	51 trans-1,3-Dichloropropene	75	6.546	6.546	(0.860)	1442555	250.000	254.88(A)
	52 Ethyl Methacrylate	69	6.617	6.617	(0.869)	1367683	250.000	254.40(A)
	53 1,1,2-Trichloroethane	97	6.712	6.712	(0.882)	816750	250.000	276.34(A)
	54 1,3-Dichloropropane	76	6.866	6.866	(0.902)	1637790	250.000	301.57(A)
	55 Tetrachloroethene	164	6.866	6.866	(0.902)	611509	250.000	242.27
	56 2-Hexanone	43	6.925	6.925	(0.910)	2259379	500.000	513.10(A)
	57 Dibromochloromethane	129	7.079	7.079	(0.930)	800375	250.000	306.98(A)
	58 1,2-Dibromoethane	107	7.185	7.185	(0.944)	841766	250.000	293.20(A)
	59 Chlorobenzene	112	7.635	7.635	(1.003)	2626882	250.000	262.86(A)
	60 1,1,1,2-Tetrachloroethane	131	7.706	7.706	(1.012)	867431	250.000	301.86(A)
	61 Ethylbenzene	91	7.730	7.730	(1.016)	4223510	250.000	306.00(A)
	62 m + p-Xylene	91	7.836	7.836	(1.030)	6681108	500.000	630.38(A)
M	63 Xylenes (total)	91				10212521	750.000	943.18
	64 Xylene-o	91	8.215	8.215	(1.079)	3531413	250.000	312.80(A)
	65 Styrene	104	8.227	8.227	(1.081)	3129999	250.000	251.23(A)
	66 Bromoform	173	8.404	8.404	(1.104)	522353	250.000	249.52
	67 Isopropylbenzene	105	8.558	8.558	(1.124)	3289633	250.000	251.17(A)
	68 1,1,2,2-Tetrachloroethane	83	8.842	8.842	(0.899)	1349574	250.000	319.94(A)
	69 1,4-Dichloro-2-butene	53	8.889	8.889	(0.904)	368603	250.000	255.77(A)
	70 1,2,3-Trichloropropane	110	8.878	8.878	(0.903)	460143	250.000	301.64(A)
	71 Bromobenzene	156	8.854	8.854	(0.900)	1159152	250.000	269.47(A)
	72 n-Propylbenzene	91	8.949	8.949	(0.910)	4075051	250.000	254.20(A)
	73 2-Chlorotoluene	126	9.043	9.043	(0.919)	927433	250.000	288.90(A)
	74 1,3,5-Trimethylbenzene	105	9.126	9.126	(0.928)	2985573	250.000	253.79(A)
	75 4-Chlorotoluene	126	9.150	9.150	(0.930)	1011241	250.000	251.55(A)
	76 tert-Butylbenzene	119	9.446	9.446	(0.960)	2392638	250.000	252.17(A)
	77 1,2,4-Trimethylbenzene	105	9.481	9.481	(0.964)	3233367	250.000	253.88(A)

Data File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\UX124489.D
Report Date: 12-Jun-2005 17:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
78 sec-Butylbenzene	105	9.659	9.659	(0.982)	3250809	250.000	252.86(A)
79 4-Isopropyltoluene	119	9.800	9.800	(0.996)	2831241	250.000	252.42(A)
80 1,3-Dichlorobenzene	146	9.765	9.765	(0.993)	1959107	250.000	272.26(A)
81 1,4-Dichlorobenzene	146	9.848	9.848	(1.001)	2074813	250.000	257.07(A)
82 n-Butylbenzene	91	10.203	10.203	(1.037)	2549096	250.000	254.84(A)
83 1,2-Dichlorobenzene	146	10.215	10.215	(1.038)	1979090	250.000	266.73(A)
84 1,2-Dibromo-3-chloropropane	157	10.984	10.984	(1.117)	240036	250.000	250.41(A)
85 1,2,4-Trichlorobenzene	180	11.812	11.812	(1.201)	971439	250.000	242.10
86 Hexachlorobutadiene	225	11.990	11.990	(1.219)	392675	250.000	235.01
87 Naphthalene	128	12.049	12.049	(1.225)	3270730	250.000	250.49(A)
88 1,2,3-Trichlorobenzene	180	12.297	12.297	(1.250)	875545	250.000	224.88
98 Cyclohexane	56	4.511	4.511	(0.907)	1126299	250.000	247.02
143 Methyl Acetate	43	2.949	2.949	(0.593)	1867683	500.000	503.30(A)
144 Methylcyclohexane	83	5.446	5.446	(1.095)	790635	250.000	245.58
141 1,3,5-Trichlorobenzene	180	11.197	11.197	(1.138)	1044701	250.000	237.54

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T506120.b\UX124489.D
Date : 12-JUN-2005 17:07
Client ID:
Sample Info: 250NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride
-tert-Butyl Alcohol
-Hexane
Acrylonitrile+
Vinyl acetate+
-Bromochloromethane 2-Butanone+
-Fluorobenzene
1,1-Dichloropropene+
1,2-Dichloroethane+
Trichloroethene
1,2-Dichloropropane+
1,4-Dioxane+
Bromodichloromethane
2-Chloroethyl vinyl ether
4-Methyl-2-pentanone
trans-1,3-Dichloropropene
-1,2-Dibromoethane
2-Hexanone
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
-1,2-Dichloroethene (total)
Isopropylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
sec-Butylbenzene
4-Isopropyltoluene+
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
Hexachlorobutadiene
1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux12.i\T506120.b\UX124489.D

Data File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\UX124490.D
Report Date: 12-Jun-2005 17:49

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\UX124490.D
Lab Smp Id: 100NG-IC
Inj Date : 12-JUN-2005 17:33
Operator : 1903 Inst ID: a3ux12.i
Smp Info : 100NG-IC
Misc Info : T50612A,8260LLUX12,2-8260.SUB,1903,1,5
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\8260LLUX12.m
Meth Date : 12-Jun-2005 17:49 laveyt Quant Type: ISTD
Cal Date : 02-APR-2005 01:28 Cal File: UX122783.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH04

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	4.973	4.973	(1.000)	696943	50.0000	
* 2 Chlorobenzene-d5	117	7.611	7.611	(1.000)	532531	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.824	9.824	(1.000)	284307	50.0000	
$ 4 Dibromofluoromethane	113	4.428	4.428	(0.891)	329048	100.000	104.63
$ 5 1,2-Dichloroethane-d4	65	4.701	4.701	(0.945)	474677	100.000	115.74
$ 6 Toluene-d8	98	6.310	6.310	(0.829)	1301207	100.000	107.08
$ 7 Bromofluorobenzene	95	8.712	8.712	(1.145)	516430	100.000	110.30
8 Dichlorodifluoromethane	85	1.517	1.517	(0.305)	424869	100.000	113.38
9 Chloromethane	50	1.659	1.659	(0.334)	701464	100.000	124.90
10 Vinyl Chloride	62	1.754	1.754	(0.353)	586554	100.000	111.58
11 Bromomethane	94	2.026	2.026	(0.408)	264791	100.000	104.06
12 Chloroethane	64	2.121	2.121	(0.427)	323572	100.000	108.33
13 Trichlorofluoromethane	101	2.298	2.298	(0.462)	547052	100.000	108.78
15 Acrolein	56	2.571	2.571	(0.517)	693599	1000.00	1359.0(A)
16 Acetone	43	2.689	2.689	(0.541)	554332	200.000	210.04
17 1,1-Dichloroethene	61	2.665	2.665	(0.536)	672805	100.000	113.79
18 Freon-113	151	2.724	2.724	(0.548)	234189	100.000	104.30
19 Iodomethane	142	2.795	2.795	(0.562)	545324	100.000	92.233
20 Carbon Disulfide	76	2.855	2.855	(0.574)	1353577	100.000	99.130
21 Methylene Chloride	84	3.032	3.032	(0.610)	412928	100.000	98.544
22 Acetonitrile	41	2.902	2.902	(0.584)	734987	1000.00	1109.4(A)
23 Acrylonitrile	53	3.221	3.221	(0.648)	1677726	1000.00	1077.3(A)

Data File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\UX124490.D
Report Date: 12-Jun-2005 17:49

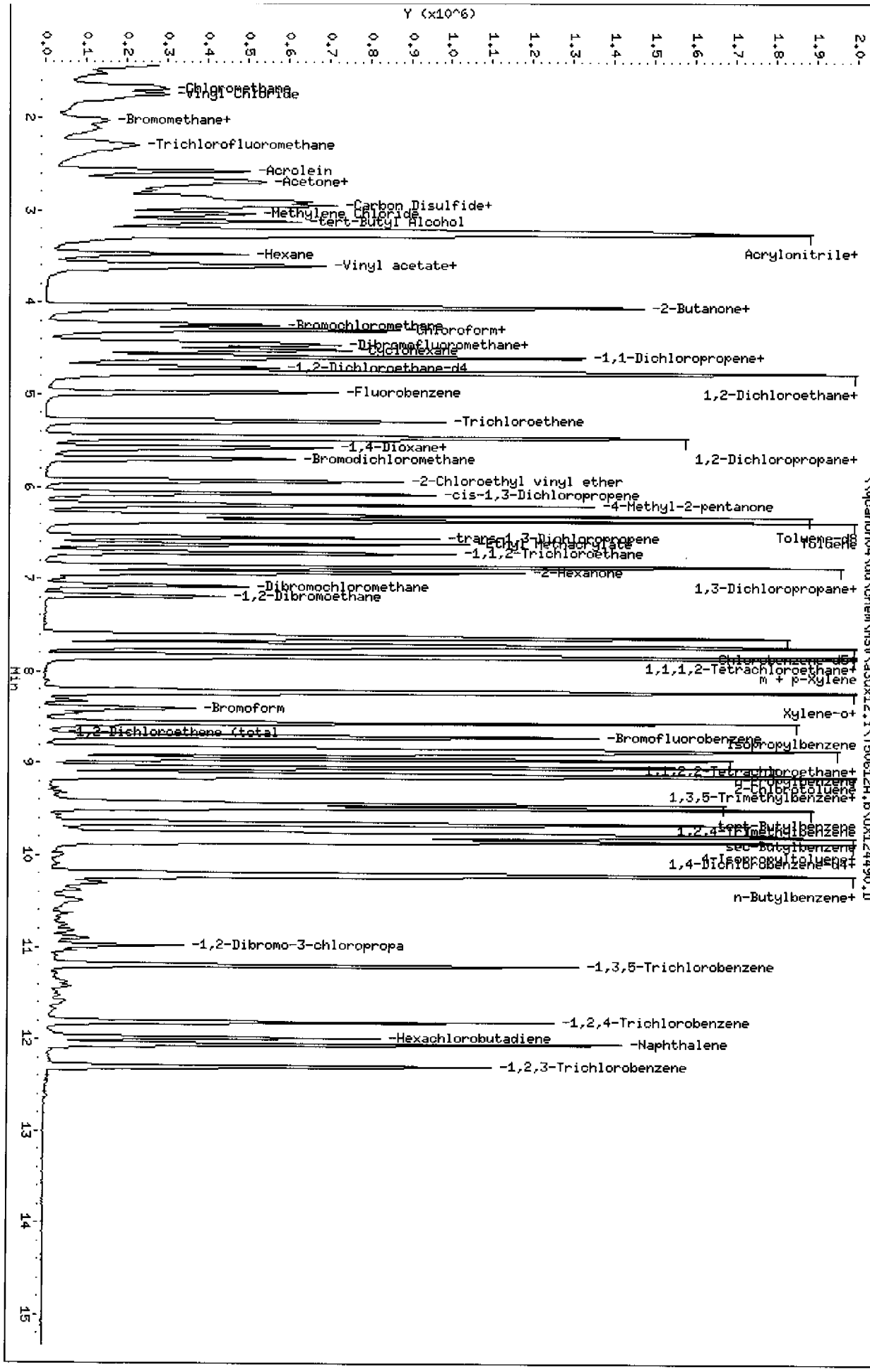
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.257	3.257	(0.655)	1040232	100.000	99.508
	25 trans-1,2-Dichloroethene	61	3.257	3.257	(0.655)	571877	100.000	113.52
	26 Hexane	57	3.470	3.470	(0.698)	275115	100.000	103.06
	27 Vinyl acetate	43	3.612	3.612	(0.726)	838747	100.000	167.41
	28 1,1-Dichloroethane	63	3.588	3.588	(0.722)	707693	100.000	116.31
	29 tert-Butyl Alcohol	59	3.115	3.115	(0.626)	896627	2000.00	2157.9(A)
	30 2-Butanone	43	4.050	4.050	(0.814)	647217	200.000	245.62
M	31 1,2-Dichloroethene (total)	61				1162807	200.000	231.18
	32 cis-1,2-dichloroethene	61	4.050	4.050	(0.814)	590930	100.000	117.66
	33 2,2-Dichloropropane	77	4.050	4.050	(0.814)	300171	100.000	99.420
	34 Bromochloromethane	128	4.239	4.239	(0.852)	189260	100.000	103.81
	35 Chloroform	83	4.298	4.298	(0.864)	655933	100.000	105.74
	36 Tetrahydrofuran	42	4.286	4.286	(0.862)	152045	100.000	103.70
	37 1,1,1-Trichloroethane	97	4.452	4.452	(0.895)	513084	100.000	106.20
	38 1,1-Dichloropropene	75	4.582	4.582	(0.921)	496343	100.000	117.95
	39 Carbon Tetrachloride	117	4.594	4.594	(0.924)	378783	100.000	105.65
	40 1,2-Dichloroethane	62	4.760	4.760	(0.957)	570695	100.000	119.12
	41 Benzene	78	4.760	4.760	(0.957)	1547071	100.000	102.76
	42 Trichloroethene	130	5.280	5.280	(1.062)	375494	100.000	101.74
	43 1,2-Dichloropropane	63	5.458	5.458	(1.098)	391789	100.000	115.15
	44 1,4-Dioxane	88	5.576	5.576	(1.121)	232081	5000.00	5080.2(A)
	45 Dibromomethane	93	5.564	5.564	(1.119)	222920	100.000	113.59
	46 Bromodichloromethane	83	5.694	5.694	(1.145)	461100	100.000	114.94
	47 2-Chloroethyl vinyl ether	63	5.931	5.931	(1.193)	377608	200.000	193.23
	48 cis-1,3-Dichloropropene	75	6.073	6.073	(1.221)	596186	100.000	115.76
	49 4-Methyl-2-pentanone	43	6.191	6.191	(1.245)	1025998	200.000	247.13
	50 Toluene	91	6.369	6.369	(0.837)	1620074	100.000	112.10
	51 trans-1,3-Dichloropropene	75	6.546	6.546	(0.860)	532815	100.000	97.789
	52 Ethyl Methacrylate	69	6.617	6.617	(0.869)	520169	100.000	99.702
	53 1,1,2-Trichloroethane	97	6.712	6.712	(0.882)	326056	100.000	109.08
	54 1,3-Dichloropropane	76	6.866	6.866	(0.902)	638686	100.000	115.32
	55 Tetrachloroethene	164	6.866	6.866	(0.902)	246644	100.000	99.758
	56 2-Hexanone	43	6.925	6.925	(0.910)	884204	200.000	205.48
	57 Dibromochloromethane	129	7.079	7.079	(0.930)	298210	100.000	113.88
	58 1,2-Dibromoethane	107	7.185	7.185	(0.944)	329538	100.000	113.35
	59 Chlorobenzene	112	7.635	7.635	(1.003)	1043233	100.000	104.31
	60 1,1,1,2-Tetrachloroethane	131	7.706	7.706	(1.012)	328761	100.000	113.91
	61 Ethylbenzene	91	7.730	7.730	(1.016)	1631311	100.000	117.15
	62 m + p-Xylene	91	7.836	7.836	(1.030)	2594424	200.000	240.22
M	63 Xylenes (total)	91				3949317	300.000	358.68
	64 Xylene-o	91	8.215	8.215	(1.079)	1354893	100.000	118.46
	65 Styrene	104	8.227	8.227	(1.081)	1183414	100.000	97.764
	66 Bromoform	173	8.404	8.404	(1.104)	179223	100.000	91.464
	67 Isopropylbenzene	105	8.558	8.558	(1.124)	1246782	100.000	98.002
	68 1,1,2,2-Tetrachloroethane	83	8.842	8.842	(0.900)	520797	100.000	124.90
	69 1,4-Dichloro-2-butene	53	8.889	8.889	(0.905)	113196	100.000	93.498
	70 1,2,3-Trichloropropane	110	8.878	8.878	(0.904)	181084	100.000	121.38
	71 Bromobenzene	156	8.854	8.854	(0.901)	445259	100.000	110.08
	72 n-Propylbenzene	91	8.949	8.949	(0.911)	1575479	100.000	105.60
	73 2-Chlorotoluene	126	9.043	9.043	(0.921)	364752	100.000	118.88
	74 1,3,5-Trimethylbenzene	105	9.126	9.126	(0.929)	1137038	100.000	104.29
	75 4-Chlorotoluene	126	9.150	9.150	(0.931)	396331	100.000	105.26
	76 tert-Butylbenzene	119	9.446	9.446	(0.961)	948542	100.000	106.90
	77 1,2,4-Trimethylbenzene	105	9.493	9.493	(0.966)	1247836	100.000	105.28

Data File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\UX124490.D
Report Date: 12-Jun-2005 17:49

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
78 sec-Butylbenzene	105	9.659	9.659	(0.983)	1303606	100.000	108.40
79 4-Isopropyltoluene	119	9.801	9.801	(0.998)	1139140	100.000	108.37
80 1,3-Dichlorobenzene	146	9.765	9.765	(0.994)	762809	100.000	111.50
81 1,4-Dichlorobenzene	146	9.860	9.860	(1.004)	821061	100.000	107.41
82 n-Butylbenzene	91	10.203	10.203	(1.039)	1064594	100.000	112.66
83 1,2-Dichlorobenzene	146	10.215	10.215	(1.040)	786604	100.000	111.10
84 1,2-Dibromo-3-chloropropane	157	10.984	10.984	(1.118)	87055	100.000	99.903
85 1,2,4-Trichlorobenzene	180	11.812	11.812	(1.202)	416013	100.000	111.48
86 Hexachlorobutadiene	225	11.990	11.990	(1.220)	184679	100.000	116.12
87 Naphthalene	128	12.049	12.049	(1.226)	1311737	100.000	107.13
88 1,2,3-Trichlorobenzene	180	12.297	12.297	(1.252)	382348	100.000	106.16
98 Cyclohexane	56	4.511	4.511	(0.907)	485730	100.000	107.88
143 Methyl Acetate	43	2.949	2.949	(0.593)	749909	200.000	203.69
144 Methylcyclohexane	83	5.446	5.446	(1.095)	341442	100.000	107.07
141 1,3,5-Trichlorobenzene	180	11.197	11.197	(1.140)	445968	100.000	108.41

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 12-JUN-2005 17:33
Client ID:
Sample Info: 100NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methylene Chloride
-tert-Butyl Alcohol
-Hexane
-Vinyl acetate+
Acrylonitrile+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-Fluorobenzene
1,2-Dichloroethane+
-Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-trans-1,3-Dichloropropene
Ethyl Methacrylate
Toluene-d8
Toluene
-1,1,2-Trichloroethane
-2-Hexanone
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
-1,2-Dichloroethene (total
-Bromofluorobenzene
Isopropylbenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene+
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux12.i\T50612A.b\UX124490.D

Data File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\UX124491.D
Report Date: 12-Jun-2005 18:14

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\UX124491.D
Lab Smp Id: 50NG-IC
Inj Date : 12-JUN-2005 17:58
Operator : 1903 Inst ID: a3ux12.i
Smp Info : 50NG-IC
Misc Info : T50612A,8260LLUX12,2-8260.SUB,1903,1,4
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\8260LLUX12.m
Meth Date : 12-Jun-2005 18:14 laveyt Quant Type: ISTD
Cal Date : 02-APR-2005 01:02 Cal File: UX122782.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH04

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	4.972	4.972	(1.000)	701343	50.0000	
* 2 Chlorobenzene-d5	117	7.611	7.611	(1.000)	535329	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.824	9.824	(1.000)	288235	50.0000	
$ 4 Dibromofluoromethane	113	4.428	4.428	(0.891)	165261	50.0000	51.919
$ 5 1,2-Dichloroethane-d4	65	4.700	4.700	(0.945)	223331	50.0000	52.509
$ 6 Toluene-d8	98	6.310	6.310	(0.829)	646816	50.0000	52.245
$ 7 Bromofluorobenzene	95	8.712	8.712	(1.145)	256369	50.0000	53.082
8 Dichlorodifluoromethane	85	1.517	1.517	(0.305)	168699	50.0000	46.245
9 Chloromethane	50	1.659	1.659	(0.334)	331101	50.0000	55.906
10 Vinyl Chloride	62	1.754	1.754	(0.353)	267585	50.0000	50.461
11 Bromomethane	94	2.026	2.026	(0.408)	117217	50.0000	46.450
12 Chloroethane	64	2.109	2.109	(0.424)	150254	50.0000	50.626
13 Trichlorofluoromethane	101	2.275	2.275	(0.457)	235395	50.0000	47.724
15 Acrolein	56	2.570	2.570	(0.517)	319587	500.000	580.76(A)
16 Acetone	43	2.689	2.689	(0.541)	274807	100.000	100.32
17 1,1-Dichloroethene	61	2.665	2.665	(0.536)	296929	50.0000	49.748
18 Freon-113	151	2.712	2.712	(0.546)	96872	50.0000	43.475
19 Iodomethane	142	2.854	2.854	(0.574)	275148	50.0000	47.737
20 Carbon Disulfide	76	2.854	2.854	(0.574)	605575	50.0000	44.538
21 Methylene Chloride	84	3.032	3.032	(0.610)	196285	50.0000	45.200
22 Acetonitrile	41	2.914	2.914	(0.586)	355931	500.000	512.21(A)
23 Acrylonitrile	53	3.221	3.221	(0.648)	805015	500.000	506.62(A)

Data File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\UX124491.D
Report Date: 12-Jun-2005 18:14

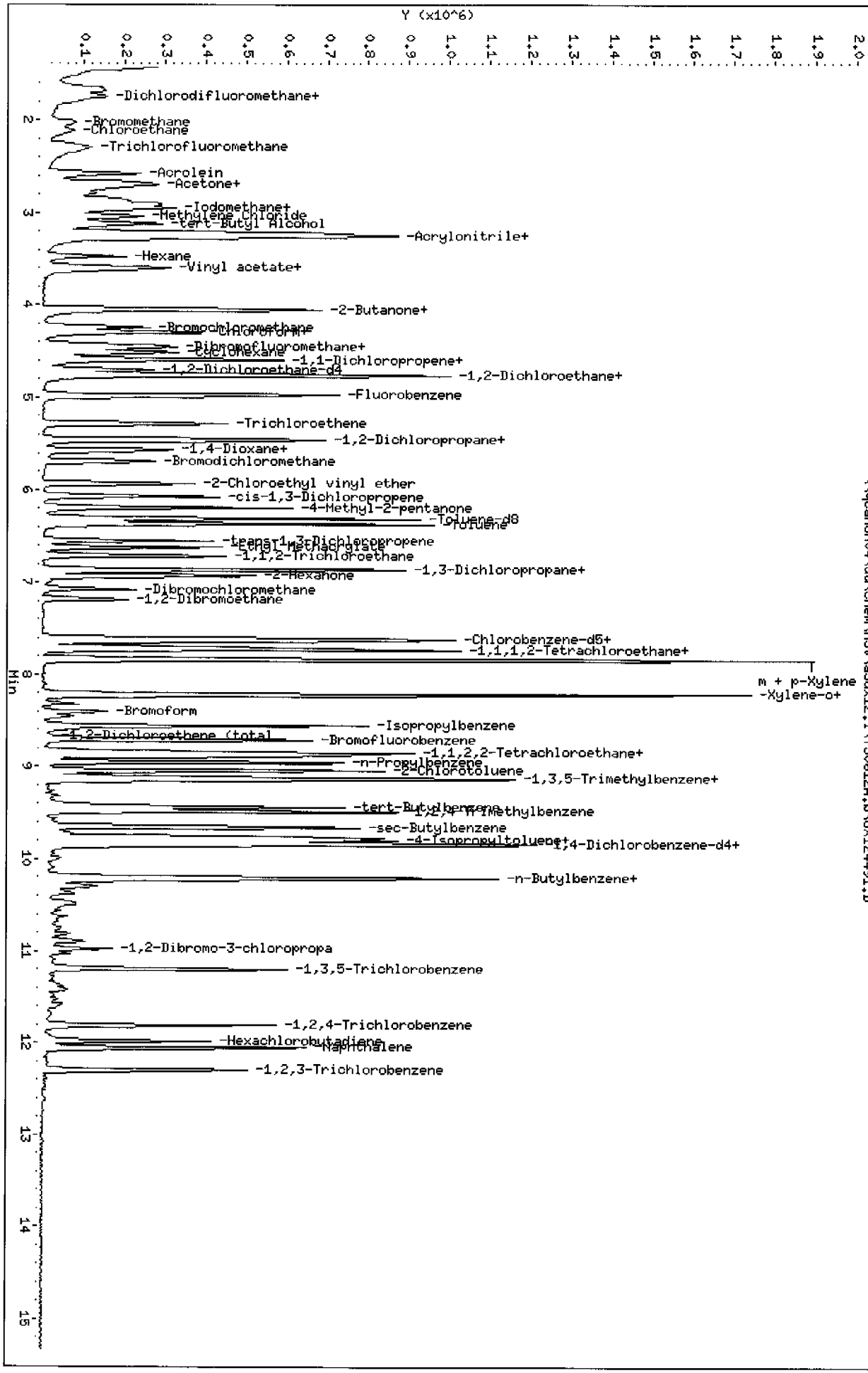
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.257	3.257	(0.655)	480100	50.0000	46.100
	25 trans-1,2-Dichloroethene	61	3.257	3.257	(0.655)	259916	50.0000	50.743
	26 Hexane	57	3.470	3.470	(0.698)	112269	50.0000	44.270
	27 Vinyl acetate	43	3.612	3.612	(0.726)	376282	50.0000	65.786
	28 1,1-Dichloroethane	63	3.588	3.588	(0.722)	322906	50.0000	51.755
	29 tert-Butyl Alcohol	59	3.115	3.115	(0.626)	420082	1000.00	982.57(A)
	30 2-Butanone	43	4.049	4.049	(0.814)	307869	100.000	110.86
M	31 1,2-Dichloroethene (total)	61				526301	100.000	102.21
	32 cis-1,2-dichloroethene	61	4.049	4.049	(0.814)	266385	50.0000	51.469
	33 2,2-Dichloropropane	77	4.049	4.049	(0.814)	129514	50.0000	45.367
	34 Bromochloromethane	128	4.239	4.239	(0.852)	85067	50.0000	46.402
	35 Chloroform	83	4.298	4.298	(0.864)	295524	50.0000	46.911
	36 Tetrahydrofuran	42	4.286	4.286	(0.862)	73007	50.0000	48.598
	37 1,1,1-Trichloroethane	97	4.452	4.452	(0.895)	226879	50.0000	47.291
	38 1,1-Dichloropropene	75	4.582	4.582	(0.921)	224190	50.0000	52.396
	39 Carbon Tetrachloride	117	4.594	4.594	(0.924)	163454	50.0000	46.223
	40 1,2-Dichloroethane	62	4.759	4.759	(0.957)	264382	50.0000	53.122
	41 Benzene	78	4.759	4.759	(0.957)	730947	50.0000	48.052
	42 Trichloroethene	130	5.280	5.280	(1.062)	172168	50.0000	46.953
	43 1,2-Dichloropropane	63	5.469	5.469	(1.100)	176730	50.0000	51.218
	44 1,4-Dioxane	88	5.576	5.576	(1.121)	110519	2500.00	2386.5(A)
	45 Dibromomethane	93	5.564	5.564	(1.119)	106213	50.0000	52.638
	46 Bromodichloromethane	83	5.694	5.694	(1.145)	205414	50.0000	50.322
	47 2-Chloroethyl vinyl ether	63	5.931	5.931	(1.193)	163468	100.000	89.869
	48 cis-1,3-Dichloropropene	75	6.073	6.073	(1.221)	265136	50.0000	50.671
	49 4-Methyl-2-pentanone	43	6.191	6.191	(1.245)	484776	100.000	111.71
	50 Toluene	91	6.369	6.369	(0.837)	732318	50.0000	49.544
	51 trans-1,3-Dichloropropene	75	6.546	6.546	(0.860)	235817	50.0000	45.845
	52 Ethyl Methacrylate	69	6.617	6.617	(0.869)	228186	50.0000	45.846
	53 1,1,2-Trichloroethane	97	6.712	6.712	(0.882)	151367	50.0000	49.544
	54 1,3-Dichloropropane	76	6.866	6.866	(0.902)	298959	50.0000	52.346
	55 Tetrachloroethene	164	6.866	6.866	(0.902)	108515	50.0000	44.413
	56 2-Hexanone	43	6.925	6.925	(0.910)	424957	100.000	100.58
	57 Dibromochloromethane	129	7.079	7.079	(0.930)	135528	50.0000	51.120
	58 1,2-Dibromoethane	107	7.185	7.185	(0.944)	154978	50.0000	51.938
	59 Chlorobenzene	112	7.635	7.635	(1.003)	466646	50.0000	46.451
	60 1,1,1,2-Tetrachloroethane	131	7.706	7.706	(1.012)	148449	50.0000	50.710
	61 Ethylbenzene	91	7.730	7.730	(1.016)	723015	50.0000	50.757
	62 m + p-Xylene	91	7.836	7.836	(1.030)	1140475	100.000	102.79
M	63 Xylenes (total)	91				1739042	150.000	153.98
	64 Xylene-o	91	8.215	8.215	(1.079)	598567	50.0000	51.197
	65 Styrene	104	8.226	8.226	(1.081)	519724	50.0000	44.934
	66 Bromoform	173	8.404	8.404	(1.104)	76705	50.0000	44.184
	67 Isopropylbenzene	105	8.558	8.558	(1.124)	552279	50.0000	45.221
	68 1,1,2,2-Tetrachloroethane	83	8.842	8.842	(0.900)	243941	50.0000	55.279
	69 1,4-Dichloro-2-butene	53	8.889	8.889	(0.905)	45884	50.0000	45.417
	70 1,2,3-Trichloropropane	110	8.877	8.877	(0.904)	85807	50.0000	54.962
	71 Bromobenzene	156	8.854	8.854	(0.901)	202770	50.0000	49.328
	72 n-Propylbenzene	91	8.948	8.948	(0.911)	683705	50.0000	46.569
	73 2-Chlorotoluene	126	9.043	9.043	(0.921)	164327	50.0000	51.734
	74 1,3,5-Trimethylbenzene	105	9.126	9.126	(0.929)	501741	50.0000	46.878
	75 4-Chlorotoluene	126	9.149	9.149	(0.931)	181251	50.0000	48.032
	76 tert-Butylbenzene	119	9.445	9.445	(0.961)	409969	50.0000	46.489
	77 1,2,4-Trimethylbenzene	105	9.493	9.493	(0.966)	549388	50.0000	46.937

Data File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\UX124491.D
Report Date: 12-Jun-2005 18:14

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
78 sec-Butylbenzene	105	9.658	9.658	(0.983)	548700	50.0000	46.042
79 4-Isopropyltoluene	119	9.800	9.800	(0.998)	500277	50.0000	47.597
80 1,3-Dichlorobenzene	146	9.765	9.765	(0.994)	339750	50.0000	48.526
81 1,4-Dichlorobenzene	146	9.848	9.848	(1.002)	375756	50.0000	47.950
82 n-Butylbenzene	91	10.203	10.203	(1.039)	460446	50.0000	48.574
83 1,2-Dichlorobenzene	146	10.226	10.226	(1.041)	351467	50.0000	48.630
84 1,2-Dibromo-3-chloropropane	157	10.984	10.984	(1.118)	38895	50.0000	47.018
85 1,2,4-Trichlorobenzene	180	11.812	11.812	(1.202)	188012	50.0000	49.639
86 Hexachlorobutadiene	225	11.989	11.989	(1.220)	84252	50.0000	47.646
87 Naphthalene	128	12.060	12.060	(1.228)	606721	50.0000	49.017
88 1,2,3-Trichlorobenzene	180	12.297	12.297	(1.252)	180251	50.0000	49.519
98 Cyclohexane	56	4.511	4.511	(0.907)	198687	50.0000	45.123
143 Methyl Acetate	43	2.949	2.949	(0.593)	354001	100.000	94.894
144 Methylcyclohexane	83	5.446	5.446	(1.095)	130851	50.0000	42.709
141 1,3,5-Trichlorobenzene	180	11.197	11.197	(1.140)	199964	50.0000	47.688

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 12-JUN-2005 17:58
Client ID:
Sample Info: 50NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18
\\qcanoh04\dd\chem\MSV\a3ux12.i\T506120.b\UX124491.D
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Xylene-o+
-Bromoform
-Isopropylbenzene
-1,2-Dichloroethene (total)
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-4-Isopropyltoluene+
-1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene

Data File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\UX124492.D
Report Date: 12-Jun-2005 18:40

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\UX124492.D
Lab Smp Id: 25NG-IC
Inj Date : 12-JUN-2005 18:24
Operator : 1903 Inst ID: a3ux12.i
Smp Info : 25NG-IC
Misc Info : T50612A,8260LLUX12,2-8260.SUB,1903,1,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\8260LLUX12.m
Meth Date : 12-Jun-2005 18:40 laveyt Quant Type: ISTD
Cal Date : 02-APR-2005 00:37 Cal File: UX122781.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH04

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	4.972	4.972	(1.000)	699425	50.0000	
* 2 Chlorobenzene-d5	117	7.611	7.611	(1.000)	536615	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.836	9.836	(1.000)	278732	50.0000	
$ 4 Dibromofluoromethane	113	4.428	4.428	(0.891)	80452	25.0000	25.467
$ 5 1,2-Dichloroethane-d4	65	4.700	4.700	(0.945)	117472	25.0000	26.621
$ 6 Toluene-d8	98	6.310	6.310	(0.829)	313066	25.0000	25.155
$ 7 Bromofluorobenzene	95	8.712	8.712	(1.145)	125483	25.0000	25.444
8 Dichlorodifluoromethane	85	1.517	1.517	(0.305)	86406	25.0000	23.828
9 Chloromethane	50	1.659	1.659	(0.334)	171357	25.0000	27.688
10 Vinyl Chloride	62	1.754	1.754	(0.353)	136333	25.0000	25.446
11 Bromomethane	94	2.038	2.038	(0.410)	58192	25.0000	23.703
12 Chloroethane	64	2.121	2.121	(0.427)	74542	25.0000	25.280
13 Trichlorofluoromethane	101	2.263	2.263	(0.455)	116861	25.0000	23.824
15 Acrolein	56	2.582	2.582	(0.519)	164330	250.000	279.55(A)
16 Acetone	43	2.689	2.689	(0.541)	150849	50.0000	50.968
17 1,1-Dichloroethene	61	2.665	2.665	(0.536)	155269	25.0000	26.046
18 Freon-113	151	2.712	2.712	(0.546)	49901	25.0000	23.116
19 Iodomethane	142	2.795	2.795	(0.562)	139558	25.0000	25.556
20 Carbon Disulfide	76	2.854	2.854	(0.574)	296901	25.0000	22.336
21 Methylene Chloride	84	3.032	3.032	(0.610)	102478	25.0000	24.006
22 Acetonitrile	41	2.913	2.913	(0.586)	181164	250.000	252.10(A)
23 Acrylonitrile	53	3.221	3.221	(0.648)	422330	250.000	262.47(A)

Data File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\UX124492.D
Report Date: 12-Jun-2005 18:40

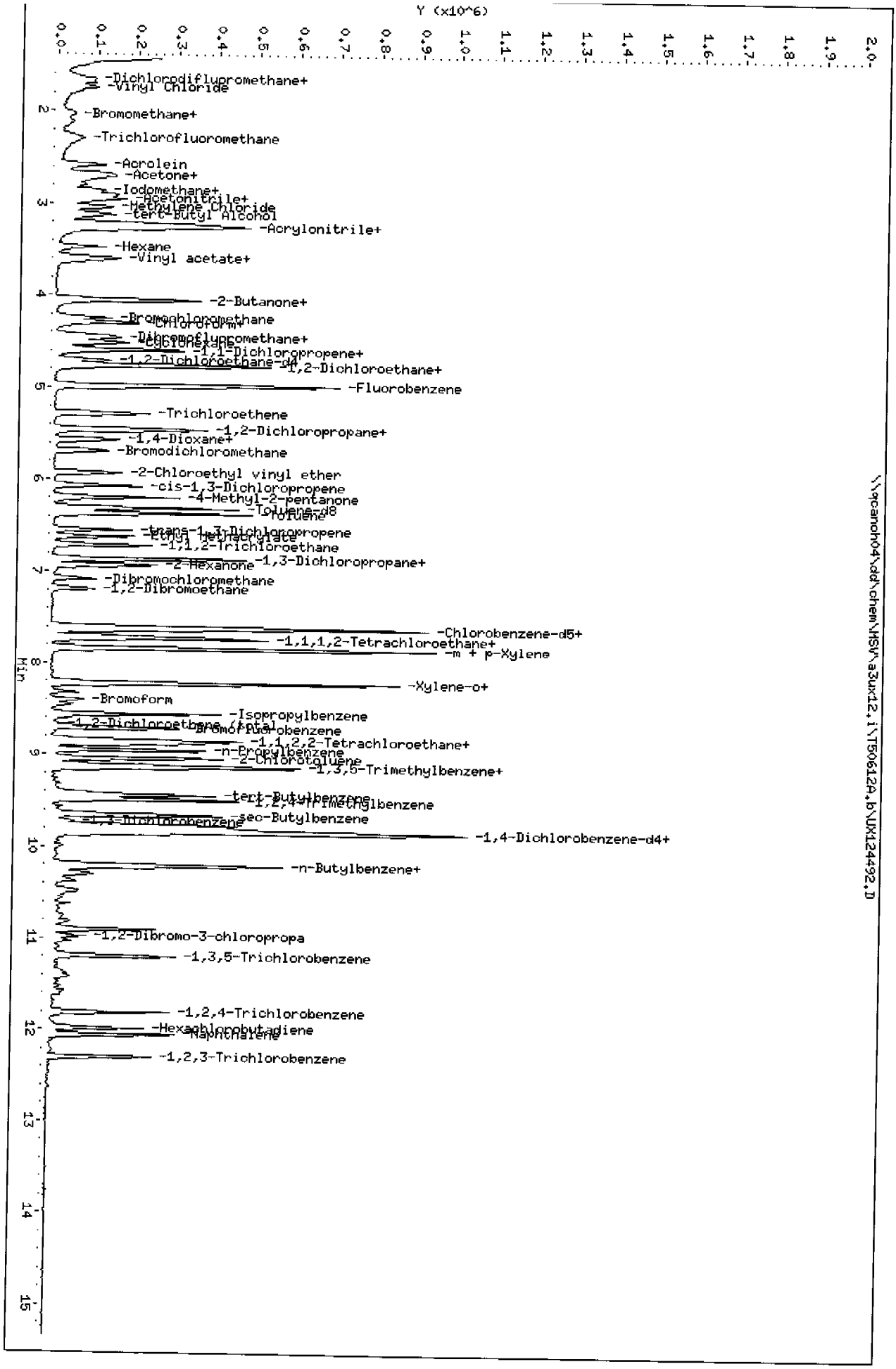
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.257	3.257	(0.655)	246613	25.0000	24.177
	25 trans-1,2-Dichloroethene	61	3.257	3.257	(0.655)	137524	25.0000	26.544
	26 Hexane	57	3.470	3.470	(0.698)	63571	25.0000	25.537
	27 Vinyl acetate	43	3.612	3.612	(0.726)	181618	25.0000	28.613
	28 1,1-Dichloroethane	63	3.588	3.588	(0.722)	173937	25.0000	27.414
	29 tert-Butyl Alcohol	59	3.115	3.115	(0.626)	197076	500.000	458.97(A)
	30 2-Butanone	43	4.049	4.049	(0.814)	168387	50.0000	57.606
M	31 1,2-Dichloroethene (total)	61				276184	50.0000	52.810
	32 cis-1,2-dichloroethene	61	4.049	4.049	(0.814)	138660	25.0000	26.266
	33 2,2-Dichloropropane	77	4.049	4.049	(0.814)	60622	25.0000	23.639
	34 Bromochloromethane	128	4.239	4.239	(0.852)	44565	25.0000	24.963
	35 Chloroform	83	4.298	4.298	(0.864)	158147	25.0000	24.978
	36 Tetrahydrofuran	42	4.286	4.286	(0.862)	44011	25.0000	27.327
	37 1,1,1-Trichloroethane	97	4.452	4.452	(0.895)	119928	25.0000	25.238
	38 1,1-Dichloropropene	75	4.594	4.594	(0.924)	120210	25.0000	27.618
	39 Carbon Tetrachloride	117	4.594	4.594	(0.924)	79756	25.0000	23.664
	40 1,2-Dichloroethane	62	4.759	4.759	(0.957)	138882	25.0000	27.109
	41 Benzene	78	4.759	4.759	(0.957)	381548	25.0000	25.091
	42 Trichloroethene	130	5.280	5.280	(1.062)	91069	25.0000	25.324
	43 1,2-Dichloropropane	63	5.469	5.469	(1.100)	95216	25.0000	27.263
	44 1,4-Dioxane	88	5.576	5.576	(1.121)	49762	1250.00	1078.0(A)
	45 Dibromomethane	93	5.564	5.564	(1.119)	51915	25.0000	25.511
	46 Bromodichloromethane	83	5.694	5.694	(1.145)	100785	25.0000	24.729
	47 2-Chloroethyl vinyl ether	63	5.931	5.931	(1.193)	80477	50.0000	49.628
	48 cis-1,3-Dichloropropene	75	6.073	6.073	(1.221)	129126	25.0000	24.727
	49 4-Methyl-2-pentanone	43	6.191	6.191	(1.245)	258413	50.0000	56.850
	50 Toluene	91	6.369	6.369	(0.837)	378945	25.0000	25.410
	51 trans-1,3-Dichloropropene	75	6.546	6.546	(0.860)	109060	25.0000	23.949
	52 Ethyl Methacrylate	69	6.617	6.617	(0.869)	110494	25.0000	24.277
	53 1,1,2-Trichloroethane	97	6.712	6.712	(0.882)	80936	25.0000	26.132
	54 1,3-Dichloropropane	76	6.866	6.866	(0.902)	153538	25.0000	26.353
	55 Tetrachloroethene	164	6.866	6.866	(0.902)	58513	25.0000	24.614
	56 2-Hexanone	43	6.925	6.925	(0.910)	222362	50.0000	52.766
	57 Dibromochloromethane	129	7.079	7.079	(0.930)	64479	25.0000	24.098
	58 1,2-Dibromoethane	107	7.185	7.185	(0.944)	80451	25.0000	26.728
	59 Chlorobenzene	112	7.635	7.635	(1.003)	255739	25.0000	25.441
	60 1,1,1,2-Tetrachloroethane	131	7.706	7.706	(1.012)	72451	25.0000	24.891
	61 Ethylbenzene	91	7.729	7.729	(1.016)	375425	25.0000	25.927
	62 m + p-Xylene	91	7.836	7.836	(1.030)	583321	50.0000	51.950
M	63 Xylenes (total)	91				889794	75.0000	77.783
	64 Xylene-o	91	8.215	8.215	(1.079)	306473	25.0000	25.833
	65 Styrene	104	8.226	8.226	(1.081)	262258	25.0000	24.799
	66 Bromoform	173	8.404	8.404	(1.104)	34599	25.0000	25.812
	67 Isopropylbenzene	105	8.558	8.558	(1.124)	290312	25.0000	25.453
	68 1,1,2,2-Tetrachloroethane	83	8.842	8.842	(0.899)	121321	25.0000	27.298
	69 1,4-Dichloro-2-butene	53	8.889	8.889	(0.904)	19562	25.0000	26.828
	70 1,2,3-Trichloropropane	110	8.889	8.889	(0.904)	45571	25.0000	28.906
	71 Bromobenzene	156	8.854	8.854	(0.900)	111249	25.0000	27.386
	72 n-Propylbenzene	91	8.948	8.948	(0.910)	345979	25.0000	25.005
	73 2-Chlorotoluene	126	9.043	9.043	(0.919)	88834	25.0000	28.091
	74 1,3,5-Trimethylbenzene	105	9.126	9.126	(0.928)	263152	25.0000	25.875
	75 4-Chlorotoluene	126	9.149	9.149	(0.930)	91391	25.0000	25.185
	76 tert-Butylbenzene	119	9.445	9.445	(0.960)	216521	25.0000	25.528
	77 1,2,4-Trimethylbenzene	105	9.493	9.493	(0.965)	284962	25.0000	25.596

Data File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\UX124492.D
Report Date: 12-Jun-2005 18:40

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
78 sec-Butylbenzene	105	9.658	9.658	(0.982)	305508	25.0000	26.242
79 4-Isopropyltoluene	119	9.800	9.800	(0.996)	265925	25.0000	25.858
80 1,3-Dichlorobenzene	146	9.765	9.765	(0.993)	187247	25.0000	27.179
81 1,4-Dichlorobenzene	146	9.859	9.859	(1.002)	198702	25.0000	26.035
82 n-Butylbenzene	91	10.203	10.203	(1.037)	226627	25.0000	24.250
83 1,2-Dichlorobenzene	146	10.214	10.214	(1.038)	182210	25.0000	25.801
84 1,2-Dibromo-3-chloropropane	157	10.984	10.984	(1.117)	19987	25.0000	26.394
85 1,2,4-Trichlorobenzene	180	11.812	11.812	(1.201)	101015	25.0000	27.295
86 Hexachlorobutadiene	225	11.989	11.989	(1.219)	52084	25.0000	27.130
87 Naphthalene	128	12.048	12.048	(1.225)	297884	25.0000	24.708
88 1,2,3-Trichlorobenzene	180	12.297	12.297	(1.250)	91187	25.0000	26.024
98 Cyclohexane	56	4.511	4.511	(0.907)	105810	25.0000	24.394
143 Methyl Acetate	43	2.949	2.949	(0.593)	193079	50.0000	51.357
144 Methylcyclohexane	83	5.446	5.446	(1.095)	72850	25.0000	24.586
141 1,3,5-Trichlorobenzene	180	11.197	11.197	(1.138)	113454	25.0000	27.523

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\HSV\a3ux12.i\T50612A.b\UX124492.D
Date : 12-JUN-2005 18:24
Client ID:
Sample Info: 25NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18
\\qcanoh04\dd\chem\HSV\a3ux12.i\T50612A.b\UX124492.D
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Acetonitrile+
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
-1,3-Dichloropropane+
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane+
-m + p-Xylene
-Xylene-o+
-Bromoform
-Isopropylbenzene
-1,2-Dichloroethane (trans)
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-1,3-Dichlorobenzene
-sec-Butylbenzene
-1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50612A.b\UX124493.D
Report Date: 12-Jun-2005 19:12

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T50612A.b\UX124493.D
Lab Smp Id: 5NG-IC
Inj Date : 12-JUN-2005 18:49
Operator : 1903 Inst ID: a3ux12.i
Smp Info : 5NG-IC
Misc Info : T50612A,8260LLUX12,2-8260.SUB,1903,1,2
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\8260LLUX12.m
Meth Date : 12-Jun-2005 19:06 laveyt Quant Type: ISTD
Cal Date : 02-APR-2005 00:11 Cal File: UX122780.D
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH04

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	4.973	4.973	(1.000)	692717	50.0000	
* 2 Chlorobenzene-d5	117	7.611	7.611	(1.000)	527512	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.824	9.824	(1.000)	274696	50.0000	
$ 4 Dibromofluoromethane	113	4.428	4.428	(0.891)	13891	5.00000	4.429
$ 5 1,2-Dichloroethane-d4	65	4.701	4.701	(0.945)	23208	5.00000	5.027
$ 6 Toluene-d8	98	6.310	6.310	(0.829)	58329	5.00000	4.665
$ 7 Bromofluorobenzene	95	8.712	8.712	(1.145)	25222	5.00000	4.938
8 Dichlorodifluoromethane	85	1.541	1.541	(0.310)	10014	5.00000	3.882
9 Chloromethane	50	1.671	1.671	(0.336)	31611	5.00000	5.033
10 Vinyl Chloride	62	1.742	1.742	(0.350)	21993	5.00000	4.164
11 Bromomethane	94	2.026	2.026	(0.408)	8993	5.00000	3.855
12 Chloroethane	64	2.145	2.145	(0.431)	10508	5.00000	3.706
13 Trichlorofluoromethane	101	2.263	2.263	(0.455)	17775	5.00000	4.544
15 Acrolein	56	2.571	2.571	(0.517)	32174	50.0000	51.821
16 Acetone	43	2.689	2.689	(0.541)	39935	10.0000	8.792
17 1,1-Dichloroethene	61	2.665	2.665	(0.536)	24195	5.00000	4.117
18 Freon-113	151	2.701	2.701	(0.543)	5592	5.00000	3.156
19 Iodomethane	142	2.866	2.866	(0.576)	16486	5.00000	3.336(H)
20 Carbon Disulfide	76	2.878	2.878	(0.579)	60563	5.00000	4.619
21 Methylene Chloride	84	3.032	3.032	(0.610)	29161	5.00000	6.737
22 Acetonitrile	41	2.914	2.914	(0.586)	38650	50.0000	52.912
23 Acrylonitrile	53	3.221	3.221	(0.648)	83435	50.0000	51.136

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50612A.b\UX124493.D
Report Date: 12-Jun-2005 19:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.257	3.257	(0.655)	46206	5.00000	4.616
	25 trans-1,2-Dichloroethene	61	3.257	3.257	(0.655)	24899	5.00000	4.756
	26 Hexane	57	3.470	3.470	(0.698)	10730	5.00000	5.525
	27 Vinyl acetate	43	3.612	3.612	(0.726)	36009	5.00000	5.193
	28 1,1-Dichloroethane	63	3.588	3.588	(0.722)	29765	5.00000	4.609
	29 tert-Butyl Alcohol	59	3.127	3.127	(0.629)	46186	100.000	109.73
	30 2-Butanone	43	4.050	4.050	(0.814)	29883	10.0000	9.833
M	31 1,2-Dichloroethene (total)	61				51882	10.0000	9.693
	32 cis-1,2-dichloroethene	61	4.038	4.038	(0.812)	26983	5.00000	4.938
	33 2,2-Dichloropropane	77	4.062	4.062	(0.817)	8891	5.00000	7.601
	34 Bromochloromethane	128	4.239	4.239	(0.852)	9034	5.00000	5.209
	35 Chloroform	83	4.298	4.298	(0.864)	28142	5.00000	4.466
	36 Tetrahydrofuran	42	4.286	4.286	(0.862)	13739	5.00000	6.168
	37 1,1,1-Trichloroethane	97	4.452	4.452	(0.895)	20941	5.00000	4.924
	38 1,1-Dichloropropene	75	4.582	4.582	(0.921)	18793	5.00000	4.310
	39 Carbon Tetrachloride	117	4.594	4.594	(0.924)	13421	5.00000	5.426
	40 1,2-Dichloroethane	62	4.760	4.760	(0.957)	26033	5.00000	4.934
	41 Benzene	78	4.760	4.760	(0.957)	70373	5.00000	4.669
	42 Trichloroethene	130	5.280	5.280	(1.062)	18073	5.00000	4.950
	43 1,2-Dichloropropane	63	5.470	5.470	(1.100)	17415	5.00000	4.880
	44 1,4-Dioxane	88	5.576	5.576	(1.121)	11914	250.000	320.21(A)
	45 Dibromomethane	93	5.576	5.576	(1.121)	9592	5.00000	4.679
	46 Bromodichloromethane	83	5.683	5.683	(1.143)	16744	5.00000	4.119
	47 2-Chloroethyl vinyl ether	63	5.931	5.931	(1.193)	13878	10.0000	17.761
	48 cis-1,3-Dichloropropene	75	6.073	6.073	(1.221)	20591	5.00000	3.978
	49 4-Methyl-2-pentanone	43	6.191	6.191	(1.245)	41039	10.0000	8.871
	50 Toluene	91	6.369	6.369	(0.837)	68495	5.00000	4.646
	51 trans-1,3-Dichloropropene	75	6.546	6.546	(0.860)	15852	5.00000	8.041
	52 Ethyl Methacrylate	69	6.617	6.617	(0.869)	17294	5.00000	7.462
	53 1,1,2-Trichloroethane	97	6.712	6.712	(0.882)	15671	5.00000	5.042
	54 1,3-Dichloropropane	76	6.866	6.866	(0.902)	27971	5.00000	4.766
	55 Tetrachloroethene	164	6.866	6.866	(0.902)	11031	5.00000	4.727
	56 2-Hexanone	43	6.937	6.937	(0.911)	36959	10.0000	11.519
	57 Dibromochloromethane	129	7.067	7.067	(0.928)	10368	5.00000	3.916
	58 1,2-Dibromoethane	107	7.185	7.185	(0.944)	12817	5.00000	4.310
	59 Chlorobenzene	112	7.635	7.635	(1.003)	46476	5.00000	4.698
	60 1,1,1,2-Tetrachloroethane	131	7.706	7.706	(1.012)	13296	5.00000	4.575
	61 Ethylbenzene	91	7.730	7.730	(1.016)	65157	5.00000	4.512
	62 m + p-Xylene	91	7.836	7.836	(1.030)	98929	10.0000	8.810
M	63 Xylenes (total)	91				152901	15.0000	13.348
	64 Xylene-o	91	8.215	8.215	(1.079)	53972	5.00000	4.539
	65 Styrene	104	8.227	8.227	(1.081)	41016	5.00000	7.424
	66 Bromoform	173	8.404	8.404	(1.104)	5790	5.00000	12.571
	67 Isopropylbenzene	105	8.558	8.558	(1.124)	47153	5.00000	7.248
	68 1,1,2,2-Tetrachloroethane	83	8.842	8.842	(0.900)	22674	5.00000	4.918
	69 1,4-Dichloro-2-butene	53	8.889	8.889	(0.905)	2391	5.00000	14.449
	70 1,2,3-Trichloropropane	110	8.878	8.878	(0.904)	8390	5.00000	5.108
	71 Bromobenzene	156	8.866	8.866	(0.902)	21921	5.00000	5.277
	72 n-Propylbenzene	91	8.949	8.949	(0.911)	60702	5.00000	5.982
	73 2-Chlorotoluene	126	9.043	9.043	(0.921)	17548	5.00000	5.366
	74 1,3,5-Trimethylbenzene	105	9.126	9.126	(0.929)	46463	5.00000	6.097
	75 4-Chlorotoluene	126	9.150	9.150	(0.931)	18290	5.00000	5.472
	76 tert-Butylbenzene	119	9.446	9.446	(0.961)	42345	5.00000	5.662
	77 1,2,4-Trimethylbenzene	105	9.493	9.493	(0.966)	51268	5.00000	5.901

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50612A.b\UX124493.D
Report Date: 12-Jun-2005 19:12

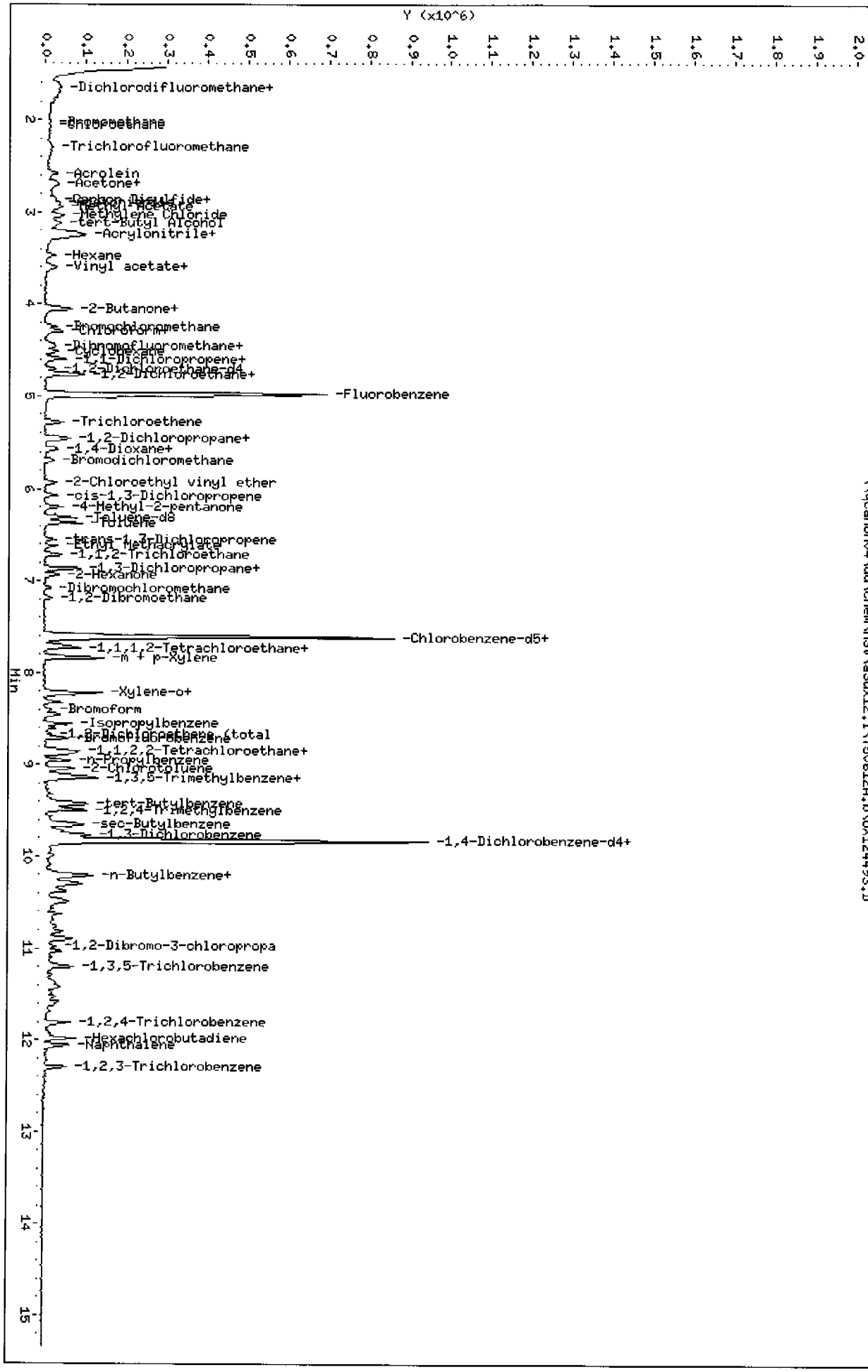
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
78 sec-Butylbenzene	105	9.659	9.659	(0.983)	54067	5.00000	5.228
79 4-Isopropyltoluene	119	9.801	9.801	(0.998)	48778	5.00000	4.945
80 1,3-Dichlorobenzene	146	9.765	9.765	(0.994)	34662	5.00000	4.983
81 1,4-Dichlorobenzene	146	9.848	9.848	(1.002)	39439	5.00000	5.142
82 n-Butylbenzene	91	10.191	10.191	(1.037)	43878	5.00000	4.672
83 1,2-Dichlorobenzene	146	10.215	10.215	(1.040)	35271	5.00000	4.993
84 1,2-Dibromo-3-chloropropane	157	10.984	10.984	(1.118)	3335	5.00000	7.739
85 1,2,4-Trichlorobenzene	180	11.812	11.812	(1.202)	20194	5.00000	5.373
86 Hexachlorobutadiene	225	11.990	11.990	(1.220)	15762	5.00000	1.980
87 Naphthalene	128	12.061	12.061	(1.228)	61633	5.00000	4.913
88 1,2,3-Trichlorobenzene	180	12.297	12.297	(1.252)	19535	5.00000	5.523
98 Cyclohexane	56	4.511	4.511	(0.907)	18611	5.00000	5.013
143 Methyl Acetate	43	2.949	2.949	(0.593)	41412	10.0000	10.818
144 Methylcyclohexane	83	5.446	5.446	(1.095)	11734	5.00000	5.335
141 1,3,5-Trichlorobenzene	180	11.197	11.197	(1.140)	25072	5.00000	5.938

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50612A.b\UX124493.D
Date : 12-JUN-2005 18:49
Client ID:
Sample Info: 5NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



Data File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\UX124494.D
Report Date: 12-Jun-2005 19:31

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\UX124494.D
Lab Smp Id: 2.5NG-IC
Inj Date : 12-JUN-2005 19:15
Operator : 1903 Inst ID: a3ux12.i
Smp Info : 2.5NG-IC
Misc Info : T50612A,8260LLUX12,2-8260.SUB,1903,1,1
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\8260LLUX12.m
Meth Date : 12-Jun-2005 19:31 laveyt Quant Type: ISTD
Cal Date : 01-APR-2005 23:46 Cal File: UX122779.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH04

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	4.973	4.973	(1.000)	694889	50.0000	
* 2 Chlorobenzene-d5	117	7.611	7.611	(1.000)	534402	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.836	9.836	(1.000)	277247	50.0000	
$ 4 Dibromofluoromethane	113	4.416	4.416	(0.888)	7148	2.50000	2.272
$ 5 1,2-Dichloroethane-d4	65	4.700	4.700	(0.945)	11788	2.50000	2.545
$ 6 Toluene-d8	98	6.310	6.310	(0.829)	28055	2.50000	2.215
$ 7 Bromofluorobenzene	95	8.712	8.712	(1.145)	12856	2.50000	2.485
8 Dichlorodifluoromethane	85	1.541	1.541	(0.310)	4051	2.50000	1.323
9 Chloromethane	50	1.671	1.671	(0.336)	16924	2.50000	2.514
10 Vinyl Chloride	62	1.742	1.742	(0.350)	12044	2.50000	2.293
11 Bromomethane	94	2.038	2.038	(0.410)	3363	2.50000	1.516
12 Chloroethane	64	2.145	2.145	(0.431)	2678	2.50000	1.029
13 Trichlorofluoromethane	101	2.287	2.287	(0.460)	10413	2.50000	2.268
15 Acrolein	56	2.582	2.582	(0.519)	19170	25.0000	28.095
16 Acetone	43	2.701	2.701	(0.543)	21628	5.00000	7.144
17 1,1-Dichloroethene	61	2.665	2.665	(0.536)	11761	2.50000	2.032
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	2.795	2.795	(0.562)	14017	2.50000	2.814
20 Carbon Disulfide	76	2.855	2.855	(0.574)	36755	2.50000	2.857
21 Methylene Chloride	84	3.044	3.044	(0.612)	23731	2.50000	5.396
22 Acetonitrile	41	2.914	2.914	(0.586)	22264	25.0000	29.310
23 Acrylonitrile	53	3.221	3.221	(0.648)	45985	25.0000	27.254

Data File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\UX124494.D
Report Date: 12-Jun-2005 19:31

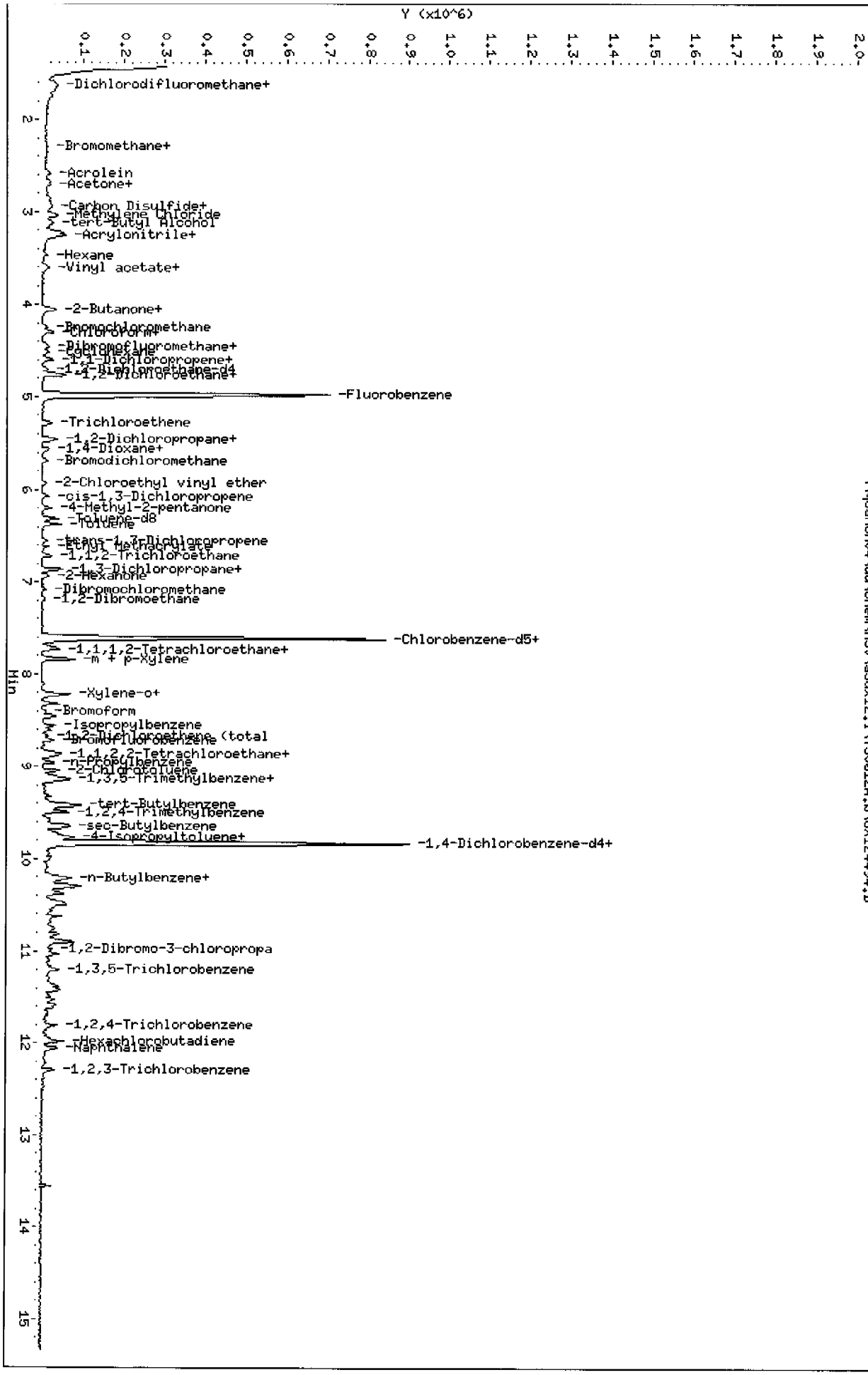
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.257	3.257	(0.655)	24524	2.50000	2.468
	25 trans-1,2-Dichloroethene	61	3.257	3.257	(0.655)	11989	2.50000	2.273
	26 Hexane	57	3.470	3.470	(0.698)	6211	2.50000	2.529
	27 Vinyl acetate	43	3.612	3.612	(0.726)	19975	2.50000	2.565
	28 1,1-Dichloroethane	63	3.588	3.588	(0.722)	16743	2.50000	2.520
	29 tert-Butyl Alcohol	59	3.127	3.127	(0.629)	22132	50.0000	51.374
	30 2-Butanone	43	4.050	4.050	(0.814)	14343	5.00000	4.602
M	31 1,2-Dichloroethene (total)	61				25898	5.00000	4.768
	32 cis-1,2-dichloroethene	61	4.062	4.062	(0.817)	13909	2.50000	2.495
	33 2,2-Dichloropropane	77	4.050	4.050	(0.814)	4325	2.50000	1.773
	34 Bromochloromethane	128	4.251	4.251	(0.855)	3210	2.50000	1.882
	35 Chloroform	83	4.298	4.298	(0.864)	15099	2.50000	2.456
	36 Tetrahydrofuran	42	4.286	4.286	(0.862)	10840	2.50000	6.057
	37 1,1,1-Trichloroethane	97	4.452	4.452	(0.895)	9955	2.50000	2.179
	38 1,1-Dichloropropene	75	4.582	4.582	(0.921)	9833	2.50000	2.208
	39 Carbon Tetrachloride	117	4.594	4.594	(0.924)	8165	2.50000	2.482
	40 1,2-Dichloroethane	62	4.760	4.760	(0.957)	14148	2.50000	2.576
	41 Benzene	78	4.760	4.760	(0.957)	37824	2.50000	2.527
	42 Trichloroethene	130	5.292	5.292	(1.064)	9741	2.50000	2.662
	43 1,2-Dichloropropane	63	5.458	5.458	(1.098)	9990	2.50000	2.654
	44 1,4-Dioxane	88	5.576	5.576	(1.121)	3870	125.000	92.852
	45 Dibromomethane	93	5.564	5.564	(1.119)	6320	2.50000	2.914
	46 Bromodichloromethane	83	5.694	5.694	(1.145)	9144	2.50000	2.250
	47 2-Chloroethyl vinyl ether	63	5.931	5.931	(1.193)	5932	5.00000	3.651
	48 cis-1,3-Dichloropropene	75	6.073	6.073	(1.221)	9350	2.50000	1.850
	49 4-Methyl-2-pentanone	43	6.191	6.191	(1.245)	20891	5.00000	4.405
	50 Toluene	91	6.369	6.369	(0.837)	36805	2.50000	2.430
	51 trans-1,3-Dichloropropene	75	6.546	6.546	(0.860)	8917	2.50000	1.985
	52 Ethyl Methacrylate	69	6.629	6.629	(0.871)	7952	2.50000	1.811
	53 1,1,2-Trichloroethane	97	6.724	6.724	(0.883)	8901	2.50000	2.735
	54 1,3-Dichloropropane	76	6.866	6.866	(0.902)	14626	2.50000	2.399
	55 Tetrachloroethene	164	6.866	6.866	(0.902)	6174	2.50000	2.622
	56 2-Hexanone	43	6.937	6.937	(0.911)	15843	5.00000	3.872
	57 Dibromochloromethane	129	7.079	7.079	(0.930)	4615	2.50000	1.796
	58 1,2-Dibromoethane	107	7.185	7.185	(0.944)	7808	2.50000	2.505
	59 Chlorobenzene	112	7.635	7.635	(1.003)	23507	2.50000	2.378
	60 1,1,1,2-Tetrachloroethane	131	7.706	7.706	(1.012)	6509	2.50000	2.179
	61 Ethylbenzene	91	7.730	7.730	(1.016)	32921	2.50000	2.218
	62 m + p-Xylene	91	7.836	7.836	(1.030)	50255	5.00000	4.340
M	63 Xylenes (total)	91				76035	7.50000	6.454
	64 Xylene-o	91	8.215	8.215	(1.079)	25780	2.50000	2.114
	65 Styrene	104	8.227	8.227	(1.081)	19985	2.50000	1.948
	66 Bromoform	173	8.404	8.404	(1.104)	2347	2.50000	1.472
	67 Isopropylbenzene	105	8.558	8.558	(1.124)	25446	2.50000	2.245
	68 1,1,2,2-Tetrachloroethane	83	8.842	8.842	(0.899)	11928	2.50000	2.477
	69 1,4-Dichloro-2-butene	53	8.878	8.878	(0.903)	1308	2.50000	1.422
	70 1,2,3-Trichloropropane	110	8.889	8.889	(0.904)	4384	2.50000	2.538
	71 Bromobenzene	156	8.866	8.866	(0.901)	11900	2.50000	2.735
	72 n-Propylbenzene	91	8.949	8.949	(0.910)	32353	2.50000	2.355
	73 2-Chlorotoluene	126	9.043	9.043	(0.919)	8705	2.50000	2.526
	74 1,3,5-Trimethylbenzene	105	9.126	9.126	(0.928)	21275	2.50000	2.126
	75 4-Chlorotoluene	126	9.150	9.150	(0.930)	8855	2.50000	2.423
	76 tert-Butylbenzene	119	9.434	9.434	(0.959)	21341	2.50000	2.481
	77 1,2,4-Trimethylbenzene	105	9.493	9.493	(0.965)	26280	2.50000	2.361

Data File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\UX124494.D
Report Date: 12-Jun-2005 19:31

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
78 sec-Butylbenzene	105	9.658	9.658	(0.982)	29821	2.50000	2.549
79 4-Isopropyltoluene	119	9.789	9.789	(0.995)	23706	2.50000	2.331
80 1,3-Dichlorobenzene	146	9.765	9.765	(0.993)	19195	2.50000	2.661
81 1,4-Dichlorobenzene	146	9.860	9.860	(1.002)	22548	2.50000	2.834
82 n-Butylbenzene	91	10.203	10.203	(1.037)	20625	2.50000	2.262
83 1,2-Dichlorobenzene	146	10.226	10.226	(1.040)	19364	2.50000	2.652
84 1,2-Dibromo-3-chloropropane	157	10.996	10.996	(1.118)	1839	2.50000	2.330
85 1,2,4-Trichlorobenzene	180	11.812	11.812	(1.201)	10296	2.50000	2.634
86 Hexachlorobutadiene	225	11.990	11.990	(1.219)	9267	2.50000	4.023
87 Naphthalene	128	12.061	12.061	(1.226)	29058	2.50000	2.409
88 1,2,3-Trichlorobenzene	180	12.297	12.297	(1.250)	8765	2.50000	2.448
98 Cyclohexane	56	4.511	4.511	(0.907)	9178	2.50000	2.219
143 Methyl Acetate	43	2.949	2.949	(0.593)	22741	5.00000	5.818
144 Methylcyclohexane	83	5.458	5.458	(1.098)	6421	2.50000	2.277
141 1,3,5-Trichlorobenzene	180	11.209	11.209	(1.140)	12461	2.50000	2.812

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50612A.b\UX124494.D
Date : 12-JUN-2005 19:15
Client ID:
Sample Info: 2.5NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50612A.b\UX124495.D
Report Date: 12-Jun-2005 20:23

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T50612A.b\UX124495.D
Lab Smp Id: ICV/CHK
Inj Date : 12-JUN-2005 20:03
Operator : 1903 Inst ID: a3ux12.i
Smp Info : ICV/CHK
Misc Info : T50612A,8260LLUX12,2-8260.SUB,1903,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\8260LLUX12.m
Meth Date : 12-Jun-2005 19:46 laveyt Quant Type: ISTD
Cal Date : 01-APR-2005 23:46 Cal File: UX122779.D
Als bottle: 8 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	4.973	4.973	(1.000)	702641	50.0000	
* 2 Chlorobenzene-d5	117	7.611	7.611	(1.000)	538799	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.836	9.836	(1.000)	275179	50.0000	
$ 4 Dibromofluoromethane	113	4.428	4.417	(0.891)	162860	51.1953	10.239
$ 5 1,2-Dichloroethane-d4	65	4.701	4.701	(0.945)	229120	48.9256	9.785
$ 6 Toluene-d8	98	6.310	6.310	(0.829)	654940	51.2840	10.257
$ 7 Bromofluorobenzene	95	8.712	8.712	(1.145)	257550	49.3693	9.874
8 Dichlorodifluoromethane	85	1.517	1.542	(0.305)	173437	46.1668	9.233
9 Chloromethane	50	1.659	1.672	(0.334)	314096	46.1532	9.231
10 Vinyl Chloride	62	1.754	1.743	(0.353)	278737	52.4742	10.495
11 Bromomethane	94	2.026	2.039	(0.408)	114322	43.9009	8.780
12 Chloroethane	64	2.133	2.145	(0.429)	156538	49.5176	9.904
13 Trichlorofluoromethane	101	2.287	2.287	(0.460)	253222	54.5461	10.909
15 Acrolein	56	2.571	2.583	(0.517)	368346	533.885	106.78(A)
16 Acetone	43	2.689	2.701	(0.541)	89183	27.1658	5.433
17 1,1-Dichloroethene	61	2.665	2.666	(0.536)	326173	55.7327	11.146
18 Freon-113	151	2.724	2.701	(0.548)	122193	57.5984	11.520
19 Iodomethane	142	2.878	2.796	(0.579)	38740	3.31818	0.6636
20 Carbon Disulfide	76	2.866	2.855	(0.576)	627323	48.2222	9.644
21 Methylene Chloride	84	3.032	3.044	(0.610)	212699	51.4203	10.284
22 Acetonitrile	41	2.914	2.914	(0.586)	343101	446.703	89.341(A)
23 Acrylonitrile	53	3.221	3.222	(0.648)	804326	471.444	94.289(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50612A.b\UX124495.D
Report Date: 12-Jun-2005 20:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.257	3.257	(0.655)	486149	48.3802	9.676
	25 trans-1,2-Dichloroethene	61	3.257	3.257	(0.655)	277143	51.9671	10.393
	26 Hexane	57	3.470	3.470	(0.698)	138350	55.7175	11.143
	27 Vinyl acetate	43	3.470	3.612	(0.698)	106955	13.5819	2.716
	28 1,1-Dichloroethane	63	3.588	3.589	(0.722)	346472	51.5763	10.315
	29 tert-Butyl Alcohol	59	3.115	3.127	(0.626)	5984	13.7371	2.747
	30 2-Butanone	43	4.050	4.050	(0.814)	124052	39.3653	7.873
M	31 1,2-Dichloroethene (total)	61				543378	99.1999	19.840
	32 cis-1,2-dichloroethene	61	4.050	4.062	(0.814)	266235	47.2328	9.446
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.298	4.299	(0.864)	316709	50.9461	10.189
	36 Tetrahydrofuran	42	4.286	4.287	(0.862)	8892	2.75003	0.5500
	37 1,1,1-Trichloroethane	97	4.452	4.452	(0.895)	241989	52.3770	10.475
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.594	4.594	(0.924)	175223	52.6732	10.535
	40 1,2-Dichloroethane	62	4.760	4.760	(0.957)	281956	50.7683	10.154
	41 Benzene	78	4.760	4.760	(0.957)	755868	49.9424	9.988
	42 Trichloroethene	130	5.280	5.293	(1.062)	177321	47.9212	9.584
	43 1,2-Dichloropropane	63	5.470	5.458	(1.100)	193843	50.9307	10.186
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.694	5.695	(1.145)	202106	49.1893	9.838
	47 2-Chloroethyl vinyl ether	63	5.931	5.932	(1.193)	72453	45.2503	9.050
	48 cis-1,3-Dichloropropene	75	6.073	6.074	(1.221)	271337	46.8864	9.377
	49 4-Methyl-2-pentanone	43	6.191	6.192	(1.245)	228629	47.6749	9.535
	50 Toluene	91	6.369	6.369	(0.837)	778964	51.0084	10.202
	51 trans-1,3-Dichloropropene	75	6.546	6.547	(0.860)	233113	44.7118	8.942
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.712	6.724	(0.882)	157962	48.1425	9.628
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.866	6.866	(0.902)	115373	48.6004	9.720
	56 2-Hexanone	43	6.925	6.937	(0.910)	158437	38.4111	7.682
	57 Dibromochloromethane	129	7.079	7.079	(0.930)	130562	44.3755	8.875
	58 1,2-Dibromoethane	107	7.185	7.186	(0.944)	159505	50.7641	10.153
	59 Chlorobenzene	112	7.635	7.636	(1.003)	500067	50.1693	10.034
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	7.730	7.730	(1.016)	768967	51.3869	10.277
	62 m + p-Xylene	91	7.836	7.837	(1.030)	1223587	104.804	20.961
M	63 Xylenes (total)	91				1864624	156.953	31.391
	64 Xylene-o	91	8.215	8.215	(1.079)	641037	52.1494	10.430
	65 Styrene	104	8.227	8.227	(1.081)	531841	45.7865	9.157
	66 Bromoform	173	8.404	8.404	(1.104)	77601	45.5882	9.118
	67 Isopropylbenzene	105	8.558	8.558	(1.124)	622039	54.4257	10.885
	68 1,1,2,2-Tetrachloroethane	83	8.842	8.843	(0.899)	239592	50.1251	10.025
	69 1,4-Dichloro-2-butene	53	8.653	8.878	(0.880)	3870	15.5076	3.102
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					
	77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50612A.b\UX124495.D
Report Date: 12-Jun-2005 20:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.765	9.765	(0.993)	365052	50.9853	10.197
81 1,4-Dichlorobenzene	146	9.848	9.860	(1.001)	400641	50.7433	10.149
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.215	10.227	(1.038)	366815	50.6224	10.124
84 1,2-Dibromo-3-chloropropane	157	10.984	10.996	(1.117)	36484	46.5802	9.316
85 1,2,4-Trichlorobenzene	180	11.812	11.813	(1.201)	186967	48.1990	9.640
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.511	4.512	(0.907)	206012	49.2660	9.853
143 Methyl Acetate	43	2.949	2.950	(0.593)	174791	44.2257	8.845
144 Methylcyclohexane	83	5.446	5.458	(1.095)	149345	52.3761	10.475
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50612A.b\UX124495.D
Report Date: 12-Jun-2005 20:23

STL North Canton

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: ICV/CHK
Level: LOW
Data Type: MS DATA
SpikeList File: plexus-ck.spk
Sublist File: 2-8260.SUB
Method File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\8260LLUX12.m
Misc Info: T50612A,8260LLUX12,2-8260.SUB,1903,3

Client SDG: SDGa01252
Fraction: VOA

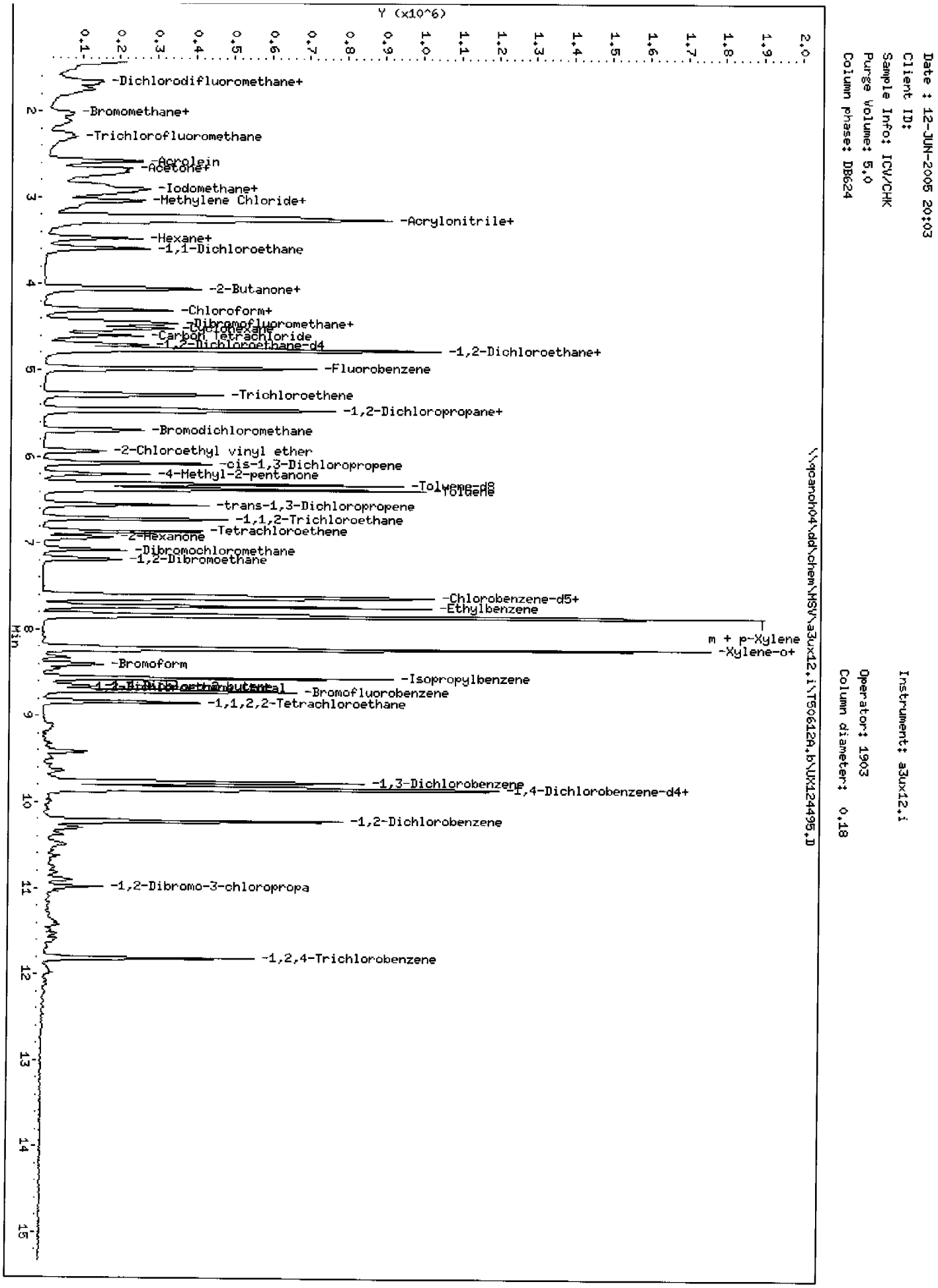
Operator: 1903
SampleType: METHSPIKE
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17 1,1-Dichloroethene	10.000	11.146	111.47	45-155
	42 Trichloroethene	10.000	9.584	95.84	45-155
	59 Chlorobenzene	10.000	10.034	100.34	45-155
	50 Toluene	10.000	10.202	102.02	45-155
	41 Benzene	10.000	9.988	99.88	45-155
	16 Acetone	10.000	5.433	54.33	45-155
	20 Carbon Disulfide	10.000	9.644	96.44	45-155
	9 Chloromethane	10.000	9.231	92.31	45-155
	11 Bromomethane	10.000	8.780	87.80	45-155
	10 Vinyl Chloride	10.000	10.495	104.95	45-155
	12 Chloroethane	10.000	9.904	99.04	45-155
	21 Methylene Chloride	10.000	10.284	102.84	45-155
	28 1,1-Dichloroethane	10.000	10.315	103.15	45-155
M	31 1,2-Dichloroethene	20.000	19.840	99.20	45-155
	35 Chloroform	10.000	10.189	101.89	45-155
	40 1,2-Dichloroethane	10.000	10.154	101.54	45-155
	30 2-Butanone	10.000	7.873	78.73	45-155
	37 1,1,1-Trichloroeth	10.000	10.475	104.75	45-155
	39 Carbon Tetrachlori	10.000	10.535	105.35	45-155
	46 Bromodichlorometha	10.000	9.838	98.38	45-155
	43 1,2-Dichloropropan	10.000	10.186	101.86	45-155
	48 cis-1,3-Dichloropr	10.000	9.377	93.77	45-155
	57 Dibromochlorometha	10.000	8.875	88.75	45-155
	53 1,1,2-Trichloroeth	10.000	9.628	96.28	45-155
	51 trans-1,3-Dichloro	10.000	8.942	89.42	45-155
	66 Bromoform	10.000	9.118	91.18	45-155
	49 4-Methyl-2-pentano	10.000	9.535	95.35	45-155
	56 2-Hexanone	10.000	7.682	76.82	45-155
	55 Tetrachloroethene	10.000	9.720	97.20	45-155
	68 1,1,2,2-Tetrachlor	10.000	10.025	100.25	45-155
	61 Ethylbenzene	10.000	10.277	102.77	45-155
	65 Styrene	10.000	9.157	91.57	45-155
M	63 Xylenes (total)	30.000	31.391	104.64	45-155
	32 cis-1,2-dichloroet	10.000	9.446	94.47	45-155
	25 trans-1,2-Dichloro	10.000	10.393	103.93	45-155
	8 Dichlorodifluorome	10.000	9.233	92.33	45-155
	13 Trichlorofluoromet	10.000	10.909	109.09	45-155
	18 Freon-113	10.000	11.520	115.20	45-155
	24 Methyl tert-butyl	10.000	9.676	96.76	45-155
	58 1,2-Dibromoethane	10.000	10.153	101.53	45-155

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50612A.b\UX124495.D
Report Date: 12-Jun-2005 20:23

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
67 Isopropylbenzene	10.000	10.885	108.85	45-155
80 1,3-Dichlorobenzen	10.000	10.197	101.97	45-155
81 1,4-Dichlorobenzen	10.000	10.149	101.49	45-155
83 1,2-Dichlorobenzen	10.000	10.124	101.24	45-155
84 1,2-Dibromo-3-chlo	10.000	9.316	93.16	45-155
85 1,2,4-Trichloroben	10.000	9.640	96.40	45-155
98 Cyclohexane	10.000	9.853	98.53	45-155
143 Methyl Acetate	10.000	8.845	88.45	45-155
144 Methylcyclohexane	10.000	10.475	104.75	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	10.239	102.39	73-122
$ 5 1,2-Dichloroethane	10.000	9.785	97.85	61-128
$ 6 Toluene-d8	10.000	10.257	102.57	76-110
$ 7 Bromofluorobenzene	10.000	9.874	98.74	74-116


Data File: \\qcanch04\dd\chem\MSV\a3ux12.i\T50612A.b\UX124495.D
Date : 12-JUN-2005 20:03
Client ID:
Sample Info: ICV/CHK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18
\\qcanch04\dd\chem\MSV\a3ux12.i\T50612A.b\UX124495.D
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform+
-Dibromofluoromethane+
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-Ethylbenzene
m + p-Xylene
-Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\8260LLUX12.m
Start Cal Date: 01-APR-2005 16:40
End Cal Date : 12-JUN-2005 19:15
Last Cal Level: 1
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 2.50000		
01-APR-2005 23:46	3-IX	\\qcanoh04\dd\chem\MSV\a3ux12.i\T50401A.b\UX122779.D
12-JUN-2005 19:15	2-8260	\\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\UX124494.D

Cal Level: 2 , Cal Amount: 10.00000		
02-APR-2005 00:11	3-IX	\\qcanoh04\dd\chem\MSV\a3ux12.i\T50401A.b\UX122780.D
12-JUN-2005 18:49	2-8260	\\qcanoh04\dd\chem\MSV\a3ux12.i\T50612A.b\UX124493.D

Cal Level: 3 , Cal Amount: 25.00000		
02-APR-2005 00:37	3-IX	\\qcanoh04\dd\chem\MSV\a3ux12.i\T50401A.b\UX122781.D
12-JUN-2005 18:24	2-8260	\\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\UX124492.D

Cal Level: 4 , Cal Amount: 50.00000		
02-APR-2005 01:02	3-IX	\\qcanoh04\dd\chem\MSV\a3ux12.i\T50401A.b\UX122782.D
12-JUN-2005 17:58	2-8260	\\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\UX124491.D

Cal Level: 5 , Cal Amount: 100.00000		
02-APR-2005 01:28	3-IX	\\qcanoh04\dd\chem\MSV\a3ux12.i\T50401A.b\UX122783.D
12-JUN-2005 17:33	2-8260	\\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\UX124490.D

Cal Level: 6 , Cal Amount: 250.00000		
02-APR-2005 01:53	3-IX	\\qcanoh04\dd\chem\MSV\a3ux12.i\T50401A.b\UX122784.D
12-JUN-2005 17:07	2-8260	

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

14-JUN-2005 05:49	2-8260	
\\QCANOH04\DD\chem\MSV\a3ux12.i\T50614A.b\UX124535.D		
14-JUN-2005 05:23	3-IX	
\\QCANOH04\DD\chem\MSV\a3ux12.i\T50614A.b\UX124534.D		

Data File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T50614A.b\UX124535.D
Report Date: 14-Jun-2005 06:05

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux12.i Injection Date: 14-JUN-2005 05:49
Lab File ID: UX124535.D Init. Cal. Date(s): 01-APR-2005 12-JUN-2005
Analysis Type: WATER Init. Cal. Times: 16:40 19:15
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux12.i\T50614A.b\8260LLUX12.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 4 Dibromofluoromethane	0.22637	0.24319	0.24319	0.010	-7.42796	50.00000	Averaged
$ 5 1,2-Dichloroethane-d4	0.33325	0.34216	0.34216	0.010	-2.67417	50.00000	Averaged
$ 6 Toluene-d8	1.18512	1.21235	1.21235	0.010	-2.29731	50.00000	Averaged
$ 7 Bromofluorobenzene	0.48411	0.45996	0.45996	0.010	4.98889	50.00000	Averaged
8 Dichlorodifluoromethane	50.00000	39.12978	0.20822	0.010	21.74045	0.000e+000	Linear
9 Chloromethane	0.48428	0.52111	0.52111	0.100	-7.60563	50.00000	Averaged
10 Vinyl Chloride	0.37799	0.38872	0.38872	0.010	-2.83628	20.00000	Averaged
11 Bromomethane	50.00000	48.47831	0.18194	0.010	3.04337	0.000e+000	Linear
12 Chloroethane	50.00000	47.61482	0.21376	0.010	4.77037	0.000e+000	Linear
13 Trichlorofluoromethane	0.33035	0.35139	0.35139	0.010	-6.37028	50.00000	Averaged
15 Acrolein	0.04910	0.04315	0.04315	0.010	12.10279	50.00000	Averaged
16 Acetone	100	109	0.21721	0.010	-8.72191	0.000e+000	Linear
17 1,1-Dichloroethene	0.41646	0.40873	0.40873	0.010	1.85703	20.00000	Averaged
18 Freon-113	50.00000	39.48665	0.11856	0.010	21.02671	0.000e+000	Linear
19 Iodomethane	50.00000	39.04942	0.29049	0.010	21.90116	0.000e+000	Linear
20 Carbon Disulfide	0.92572	0.77264	0.77264	0.010	16.53704	50.00000	Averaged
21 Methylene Chloride	50.00000	51.74731	0.30462	0.010	-3.49461	0.000e+000	Linear
22 Acetonitrile	0.05466	0.05109	0.05109	0.010	6.51639	50.00000	Averaged
23 Acrylonitrile	0.12141	0.12150	0.12150	0.010	-0.07629	50.00000	Averaged
24 Methyl tert-butyl ether	0.71505	0.69534	0.69534	0.010	2.75670	50.00000	Averaged
25 trans-1,2-Dichloroethene	0.37950	0.35457	0.35457	0.010	6.56818	50.00000	Averaged
26 Hexane	0.17670	0.15658	0.15658	0.010	11.38408	20.00000	Averaged
27 Vinyl acetate	0.56037	0.38369	0.38369	0.010	31.52975	50.00000	Averaged
28 1,1-Dichloroethane	0.47803	0.43462	0.43462	0.100	9.08061	50.00000	Averaged
29 tert-Butyl Alcohol	0.03100	0.02317	0.02317	0.010	25.25246	50.00000	Averaged
30 2-Butanone	0.22425	0.20609	0.20609	0.010	8.09501	50.00000	Averaged
M 31 1,2-Dichloroethene (total)	0.39030	0.35802	0.35802	0.010	8.27005	50.00000	Averaged
32 cis-1,2-dichloroethene	0.40110	0.36147	0.36147	0.010	9.88040	50.00000	Averaged
33 2,2-Dichloropropane	50.00000	36.75905	0.14671	0.010	26.48190	0.000e+000	Linear
34 Bromochloromethane	0.12273	0.12421	0.12421	0.010	-1.20818	50.00000	Averaged
35 Chloroform	0.44237	0.43899	0.43899	0.010	0.76500	20.00000	Averaged
36 Tetrahydrofuran	50.00000	44.81434	0.10098	0.010	10.37132	0.000e+000	Linear
37 1,1,1-Trichloroethane	0.32877	0.29969	0.29969	0.010	8.84376	50.00000	Averaged
38 1,1-Dichloropropene	0.32038	0.29722	0.29722	0.010	7.22675	50.00000	Averaged
39 Carbon Tetrachloride	0.23672	0.21361	0.21361	0.010	9.76358	50.00000	Averaged
40 1,2-Dichloroethane	0.39521	0.39488	0.39488	0.010	0.08373	50.00000	Averaged
41 Benzene	1.07699	0.99057	0.99057	0.010	8.02450	50.00000	Averaged
42 Trichloroethene	0.26331	0.24327	0.24327	0.010	7.61181	50.00000	Averaged
43 1,2-Dichloropropane	0.27084	0.25207	0.25207	0.010	6.93057	20.00000	Averaged
44 1,4-Dioxane	0.00296	0.00155	0.00155	0.010	47.80041	50.00000	Averaged <-
45 Dibromomethane	0.15604	0.15004	0.15004	0.010	3.84588	50.00000	Averaged
46 Bromodichloromethane	0.29238	0.28245	0.28245	0.010	3.39485	50.00000	Averaged
47 2-Chloroethyl vinyl ether	100	82.24127	0.10731	0.010	17.75873	0.000e+000	Linear

|_____|_____|_____|_____|____|_____|_____|_____|

Data File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T50614A.b\UX124535.D
Report Date: 14-Jun-2005 06:05

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux12.i Injection Date: 14-JUN-2005 05:49
Lab File ID: UX124535.D Init. Cal. Date(s): 01-APR-2005 12-JUN-2005
Analysis Type: WATER Init. Cal. Times: 16:40 19:15
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux12.i\T50614A.b\8260LLUX12.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
48 cis-1,3-Dichloropropene	50.00000	42.09014	0.34350	0.010	15.81972	0.000e+000	Linear
49 4-Methyl-2-pentanone	0.34125	0.33617	0.33617	0.010	1.49048	50.00000	Averaged
50 Toluene	1.41716	1.29191	1.29191	0.010	8.83832	20.00000	Averaged
51 trans-1,3-Dichloropropene	50.00000	40.72081	0.38894	0.010	18.55838	0.000e+000	Linear
52 Ethyl Methacrylate	50.00000	42.72228	0.39875	0.010	14.55543	0.000e+000	Linear
53 1,1,2-Trichloroethane	0.30449	0.28088	0.28088	0.010	7.75330	50.00000	Averaged
54 1,3-Dichloropropane	0.57033	0.55883	0.55883	0.010	2.01643	50.00000	Averaged
55 Tetrachloroethene	0.22030	0.19610	0.19610	0.010	10.98448	50.00000	Averaged
56 2-Hexanone	0.38278	0.36289	0.36289	0.010	5.19377	50.00000	Averaged
57 Dibromochloromethane	50.00000	41.11263	0.22254	0.010	17.77474	0.000e+000	Linear
58 1,2-Dibromoethane	0.29158	0.27465	0.27465	0.010	5.80680	50.00000	Averaged
59 Chlorobenzene	0.92498	0.82893	0.82893	0.300	10.38446	50.00000	Averaged
60 1,1,1,2-Tetrachloroethane	0.27947	0.26228	0.26228	0.010	6.15232	50.00000	Averaged
61 Ethylbenzene	1.38867	1.24954	1.24954	0.010	10.01845	20.00000	Averaged
62 m + p-Xylene	1.08343	0.98502	0.98502	0.010	9.08282	50.00000	Averaged
M 63 Xylenes (total)	1.10253	1.00640	1.00640	0.010	8.71836	50.00000	Averaged
64 Xylene-o	1.14071	1.04916	1.04916	0.010	8.02602	50.00000	Averaged
65 Styrene	50.00000	40.90017	0.87122	0.010	18.19965	0.000e+000	Linear
66 Bromoform	50.00000	42.08403	0.12991	0.100	15.83194	0.000e+000	Linear
67 Isopropylbenzene	1.06061	0.91112	0.91112	0.010	14.09482	50.00000	Averaged
68 1,1,2,2-Tetrachloroethane	0.86850	0.81379	0.81379	0.300	6.29989	50.00000	Averaged
69 1,4-Dichloro-2-butene	50.00000	40.61519	0.14119	0.010	18.76963	0.000e+000	Linear
70 1,2,3-Trichloropropane	0.31152	0.27540	0.27540	0.010	11.59447	50.00000	Averaged
71 Bromobenzene	0.78462	0.67367	0.67367	0.010	14.14081	50.00000	Averaged
72 n-Propylbenzene	2.47726	2.15665	2.15665	0.010	12.94215	50.00000	Averaged
73 2-Chlorotoluene	0.62151	0.56021	0.56021	0.010	9.86279	50.00000	Averaged
74 1,3,5-Trimethylbenzene	1.80482	1.59173	1.59173	0.010	11.80676	50.00000	Averaged
75 4-Chlorotoluene	0.65915	0.57241	0.57241	0.010	13.15952	50.00000	Averaged
76 tert-Butylbenzene	1.55121	1.24531	1.24531	0.010	19.72025	50.00000	Averaged
77 1,2,4-Trimethylbenzene	2.00757	1.72659	1.72659	0.010	13.99585	50.00000	Averaged
78 sec-Butylbenzene	2.10957	1.62903	1.62903	0.010	22.77914	50.00000	Averaged
79 4-Isopropyltoluene	1.83418	1.47093	1.47093	0.010	19.80439	50.00000	Averaged
80 1,3-Dichlorobenzene	1.30096	1.16701	1.16701	0.010	10.29653	50.00000	Averaged
81 1,4-Dichlorobenzene	1.43460	1.25565	1.25565	0.010	12.47368	50.00000	Averaged
82 n-Butylbenzene	1.64443	1.23276	1.23276	0.010	25.03453	50.00000	Averaged
83 1,2-Dichlorobenzene	1.31662	1.21120	1.21120	0.010	8.00646	50.00000	Averaged
84 1,2-Dibromo-3-chloropropane	0.14232	0.12191	0.12191	0.010	14.33571	50.00000	Averaged
85 1,2,4-Trichlorobenzene	0.70483	0.55768	0.55768	0.010	20.87632	50.00000	Averaged
86 Hexachlorobutadiene	50.00000	33.16729	0.21870	0.010	33.66542	0.000e+000	Linear
87 Naphthalene	2.17531	1.86785	1.86785	0.010	14.13407	50.00000	Averaged
88 1,2,3-Trichlorobenzene	0.64574	0.52122	0.52122	0.010	19.28336	50.00000	Averaged
98 Cyclohexane	0.29756	0.26919	0.26919	0.010	9.53681	50.00000	Averaged
143 Methyl Acetate	0.28124	0.26627	0.26627	0.010	5.32435	50.00000	Averaged

|_____|_____|_____|_____|____|_____|_____|_____|

Data File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T50614A.b\UX124535.D
Report Date: 14-Jun-2005 06:05

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux12.i Injection Date: 14-JUN-2005 05:49
Lab File ID: UX124535.D Init. Cal. Date(s): 01-APR-2005 12-JUN-2005
Analysis Type: WATER Init. Cal. Times: 16:40 19:15
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux12.i\T50614A.b\8260LLUX12.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
144 Methylcyclohexane	0.20291	0.18135	0.18135	0.010	10.62193	50.00000	Averaged
141 1,3,5-Trichlorobenzene	0.79909	0.58798	0.58798	0.010	26.41896	50.00000	Averaged

Data File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T50614A.b\UX124535.D
Report Date: 14-Jun-2005 06:05

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\DD\chem\MSV\a3ux12.i\T50614A.b\UX124535.D
Lab Smp Id: 50NG-CC
Inj Date : 14-JUN-2005 05:49
Operator : 1903 Inst ID: a3ux12.i
Smp Info : 50NG-CC
Misc Info : T50614A,8260LLUX12,2-8260.SUB,1903,2
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T50614A.b\8260LLUX12.m
Meth Date : 14-Jun-2005 06:05 Quant Type: ISTD
Cal Date : 01-APR-2005 23:46 Cal File: UX122779.D
Als bottle: 33 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH04

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	4.973	4.973	(1.000)	629589	50.0000	
* 2 Chlorobenzene-d5	117	7.611	7.611	(1.000)	488934	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.836	9.836	(1.000)	259534	50.0000	
$ 4 Dibromofluoromethane	113	4.428	4.428	(0.891)	153107	50.0000	53.714
$ 5 1,2-Dichloroethane-d4	65	4.701	4.701	(0.945)	215418	50.0000	51.337
$ 6 Toluene-d8	98	6.310	6.310	(0.829)	592758	50.0000	51.149
$ 7 Bromofluorobenzene	95	8.712	8.712	(1.145)	224891	50.0000	47.506
8 Dichlorodifluoromethane	85	1.529	1.529	(0.308)	131095	50.0000	39.130
9 Chloromethane	50	1.659	1.659	(0.334)	328087	50.0000	53.803
10 Vinyl Chloride	62	1.754	1.754	(0.353)	244731	50.0000	51.418
11 Bromomethane	94	2.026	2.026	(0.408)	114546	50.0000	48.478
12 Chloroethane	64	2.121	2.121	(0.427)	134581	50.0000	47.615
13 Trichlorofluoromethane	101	2.287	2.287	(0.460)	221234	50.0000	53.185
15 Acrolein	56	2.582	2.582	(0.519)	271692	500.000	439.49(A)
16 Acetone	43	2.689	2.689	(0.541)	273512	100.000	108.72
17 1,1-Dichloroethene	61	2.665	2.665	(0.536)	257330	50.0000	49.071
18 Freon-113	151	2.724	2.724	(0.548)	74644	50.0000	39.487
19 Iodomethane	142	2.795	2.795	(0.562)	182888	50.0000	39.049
20 Carbon Disulfide	76	2.855	2.855	(0.574)	486443	50.0000	41.731

21 Methylene Chloride	84	3.044	3.044 (0.612)	191786	50.0000	51.747
22 Acetonitrile	41	2.902	2.902 (0.584)	321686	500.000	467.42(A)
23 Acrylonitrile	53	3.221	3.221 (0.648)	764939	500.000	500.38(A)

Data File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T50614A.b\UX124535.D
Report Date: 14-Jun-2005 06:05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.257	3.257	(0.655)	437779	50.0000	48.622
	25 trans-1,2-Dichloroethene	61	3.257	3.257	(0.655)	223236	50.0000	46.716
	26 Hexane	57	3.470	3.470	(0.698)	98581	50.0000	44.308
	27 Vinyl acetate	43	3.612	3.612	(0.726)	241567	50.0000	34.235
	28 1,1-Dichloroethane	63	3.588	3.588	(0.722)	273633	50.0000	45.460
	29 tert-Butyl Alcohol	59	3.115	3.115	(0.626)	291754	1000.00	747.48(A)
	30 2-Butanone	43	4.050	4.050	(0.814)	259509	100.000	91.905
M	31 1,2-Dichloroethene (total)	61				450816	100.000	91.776
	32 cis-1,2-dichloroethene	61	4.050	4.050	(0.814)	227580	50.0000	45.060
	33 2,2-Dichloropropane	77	4.050	4.050	(0.814)	92370	50.0000	36.759
	34 Bromochloromethane	128	4.239	4.239	(0.852)	78202	50.0000	50.604
	35 Chloroform	83	4.298	4.298	(0.864)	276381	50.0000	49.618
	36 Tetrahydrofuran	42	4.275	4.275	(0.860)	63578	50.0000	44.814
	37 1,1,1-Trichloroethane	97	4.452	4.452	(0.895)	188684	50.0000	45.578
	38 1,1-Dichloropropene	75	4.582	4.582	(0.921)	187129	50.0000	46.387
	39 Carbon Tetrachloride	117	4.594	4.594	(0.924)	134486	50.0000	45.118
	40 1,2-Dichloroethane	62	4.760	4.760	(0.957)	248610	50.0000	49.958
	41 Benzene	78	4.760	4.760	(0.957)	623652	50.0000	45.988
	42 Trichloroethene	130	5.280	5.280	(1.062)	153159	50.0000	46.194
	43 1,2-Dichloropropane	63	5.470	5.470	(1.100)	158698	50.0000	46.535
	44 1,4-Dioxane	88	5.576	5.576	(1.121)	48693	2500.00	1305.0(A)
	45 Dibromomethane	93	5.564	5.564	(1.119)	94461	50.0000	48.077
	46 Bromodichloromethane	83	5.694	5.694	(1.145)	177829	50.0000	48.302
	47 2-Chloroethyl vinyl ether	63	5.931	5.931	(1.193)	135127	100.000	82.241
	48 cis-1,3-Dichloropropene	75	6.073	6.073	(1.221)	216266	50.0000	42.090
	49 4-Methyl-2-pentanone	43	6.191	6.191	(1.245)	423295	100.000	98.510
	50 Toluene	91	6.369	6.369	(0.837)	631657	50.0000	45.581
	51 trans-1,3-Dichloropropene	75	6.546	6.546	(0.860)	190164	50.0000	40.721
	52 Ethyl Methacrylate	69	6.617	6.617	(0.869)	194961	50.0000	42.722
	53 1,1,2-Trichloroethane	97	6.712	6.712	(0.882)	137331	50.0000	46.123
	54 1,3-Dichloropropane	76	6.866	6.866	(0.902)	273229	50.0000	48.992
	55 Tetrachloroethene	164	6.866	6.866	(0.902)	95879	50.0000	44.508
	56 2-Hexanone	43	6.925	6.925	(0.910)	354863	100.000	94.806
	57 Dibromochloromethane	129	7.079	7.079	(0.930)	108807	50.0000	41.113
	58 1,2-Dibromoethane	107	7.185	7.185	(0.944)	134286	50.0000	47.097
	59 Chlorobenzene	112	7.635	7.635	(1.003)	405291	50.0000	44.808
	60 1,1,1,2-Tetrachloroethane	131	7.706	7.706	(1.012)	128237	50.0000	46.924
	61 Ethylbenzene	91	7.730	7.730	(1.016)	610945	50.0000	44.991
	62 m + p-Xylene	91	7.836	7.836	(1.030)	963224	100.000	90.917
M	63 Xylenes (total)	91				1476194	150.000	136.90
	64 Xylene-o	91	8.215	8.215	(1.079)	512970	50.0000	45.987
	65 Styrene	104	8.227	8.227	(1.081)	425971	50.0000	40.900
	66 Bromoform	173	8.404	8.404	(1.104)	63515	50.0000	42.084
	67 Isopropylbenzene	105	8.558	8.558	(1.124)	445478	50.0000	42.952
	68 1,1,2,2-Tetrachloroethane	83	8.842	8.842	(0.899)	211206	50.0000	46.850
	69 1,4-Dichloro-2-butene	53	8.889	8.889	(0.904)	36643	50.0000	40.615
	70 1,2,3-Trichloropropane	110	8.878	8.878	(0.903)	71475	50.0000	44.203
	71 Bromobenzene	156	8.854	8.854	(0.900)	174840	50.0000	42.930
	72 n-Propylbenzene	91	8.960	8.960	(0.911)	559723	50.0000	43.529
	73 2-Chlorotoluene	126	9.043	9.043	(0.919)	145393	50.0000	45.069
	74 1,3,5-Trimethylbenzene	105	9.126	9.126	(0.928)	413109	50.0000	44.097
	75 4-Chlorotoluene	126	9.150	9.150	(0.930)	148559	50.0000	43.420

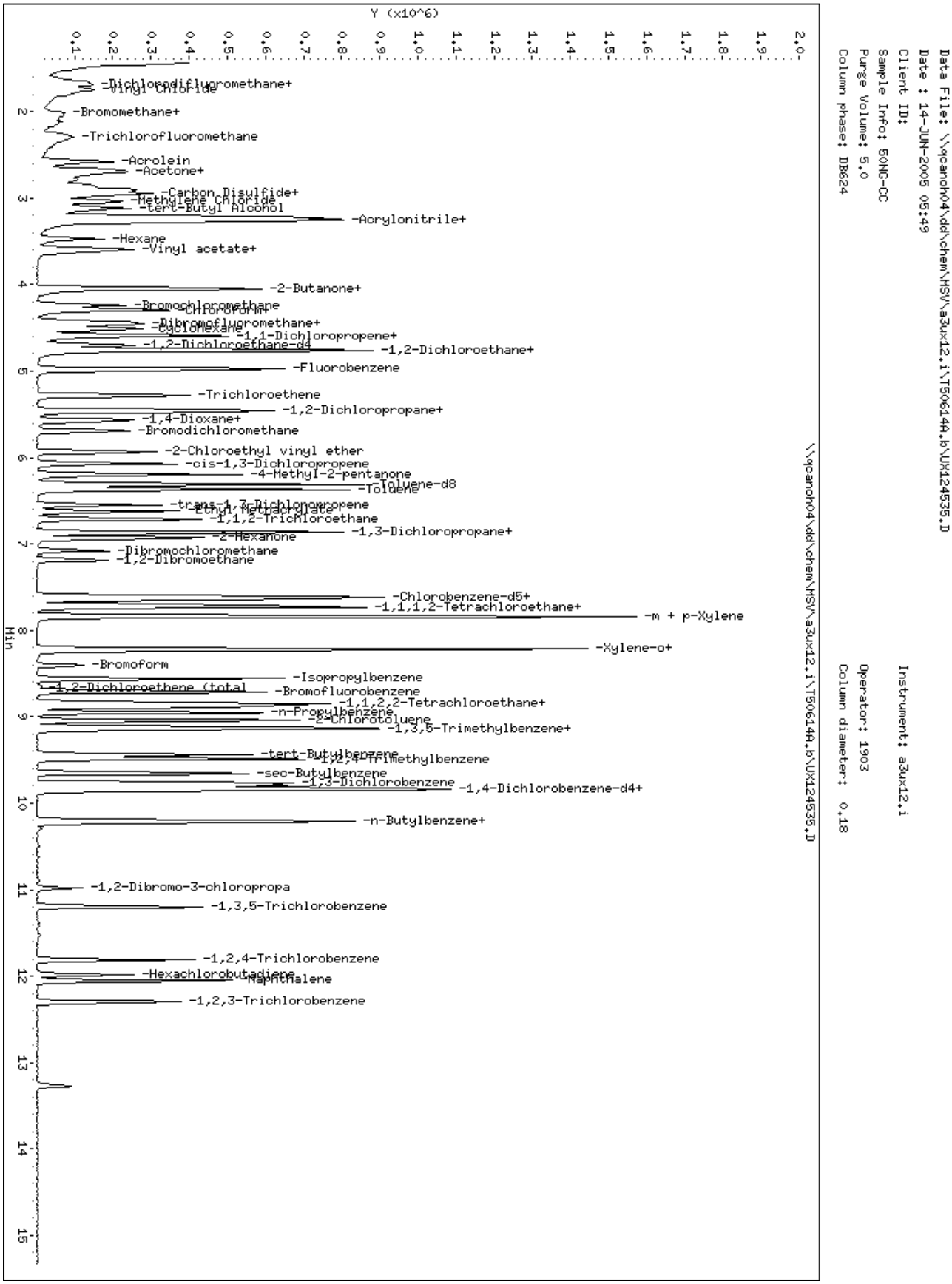
76 tert-Butylbenzene	119	9.446	9.446 (0.960)	323199	50.0000	40.140
77 1,2,4-Trimethylbenzene	105	9.493	9.493 (0.965)	448110	50.0000	43.002

Data File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T50614A.b\UX124535.D
Report Date: 14-Jun-2005 06:05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
78 sec-Butylbenzene	105	9.659	9.659	(0.982)	422788	50.0000	38.610
79 4-Isopropyltoluene	119	9.800	9.800	(0.996)	381756	50.0000	40.098
80 1,3-Dichlorobenzene	146	9.765	9.765	(0.993)	302878	50.0000	44.852
81 1,4-Dichlorobenzene	146	9.860	9.860	(1.002)	325885	50.0000	43.763
82 n-Butylbenzene	91	10.203	10.203	(1.037)	319942	50.0000	37.483
83 1,2-Dichlorobenzene	146	10.215	10.215	(1.038)	314348	50.0000	45.997
84 1,2-Dibromo-3-chloropropane	157	10.984	10.984	(1.117)	31641	50.0000	42.832
85 1,2,4-Trichlorobenzene	180	11.812	11.812	(1.201)	144738	50.0000	39.562
86 Hexachlorobutadiene	225	11.990	11.990	(1.219)	56759	50.0000	33.167
87 Naphthalene	128	12.049	12.049	(1.225)	484771	50.0000	42.933
88 1,2,3-Trichlorobenzene	180	12.297	12.297	(1.250)	135275	50.0000	40.358
98 Cyclohexane	56	4.511	4.511	(0.907)	169477	50.0000	45.232
143 Methyl Acetate	43	2.949	2.949	(0.593)	335279	100.000	94.676
144 Methylcyclohexane	83	5.446	5.446	(1.095)	114178	50.0000	44.689
141 1,3,5-Trichlorobenzene	180	11.197	11.197	(1.138)	152601	50.0000	36.790

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\UX124535.D
Date : 14-JUN-2005 05:49
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane+
-m + p-Xylene
-Xylene-o+
-Bromoform
-Isopropylbenzene
-1,2-Dichloroethene (total
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\UX124535.D

RAW QC DATA

STL North Canton

Data file : \\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\BFB012.D
Lab Smp Id: 50ng bfb Client Smp ID: 50NG BFB
Inj Date : 12-JUN-2005 16:41
Operator : 1903 Inst ID: a3ux12.i
Smp Info :
Misc Info : T50612A,BFBUX12,,1903
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux12.i\T50612A.b\BFBUX12.m
Meth Date : 09-Mar-2005 18:51 Quant Type: ESTD
Cal Date : 01-MAR-2000 19:29 Cal File: uxx0287.d
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: QCANOH04

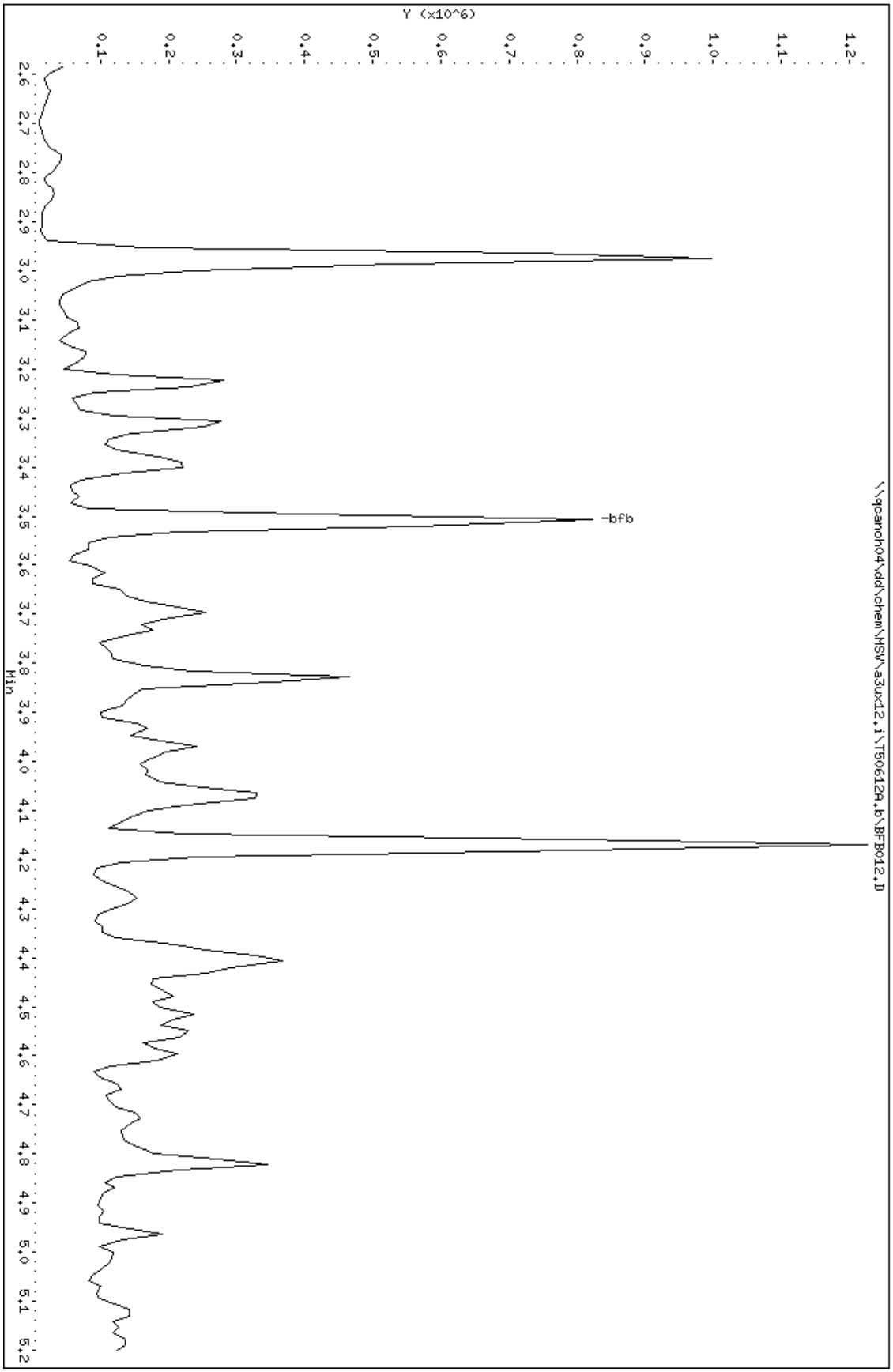
Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
3.508	3.500	0.008	95	111000			100.00- 100.00	100.00
3.508	3.500	0.008	50	27104			15.00- 40.00	24.42
3.508	3.500	0.008	75	60552			30.00- 60.00	54.55
3.508	3.500	0.008	96	7770			5.00- 9.00	7.00
3.508	3.500	0.008	173	0	0.0	0.0	0.00- 2.00	0.00
3.508	3.500	0.008	174	86304			50.00- 100.00	77.75
3.508	3.500	0.008	175	7315			5.00- 9.00	8.48
3.508	3.500	0.008	176	82640			95.00- 101.00	95.75
3.508	3.500	0.008	177	5583			5.00- 9.00	6.76

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50612A.b\BFB012.D
Date : 12-JUN-2005 16:41
Client ID: 50NG BFB
Sample Info:
Volume Injected (uL): 1.0
Column phase: DB624 20M

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



Page 1

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50612A.b\BFB012.D Page 2

Date : 12-JUN-2005 16:41

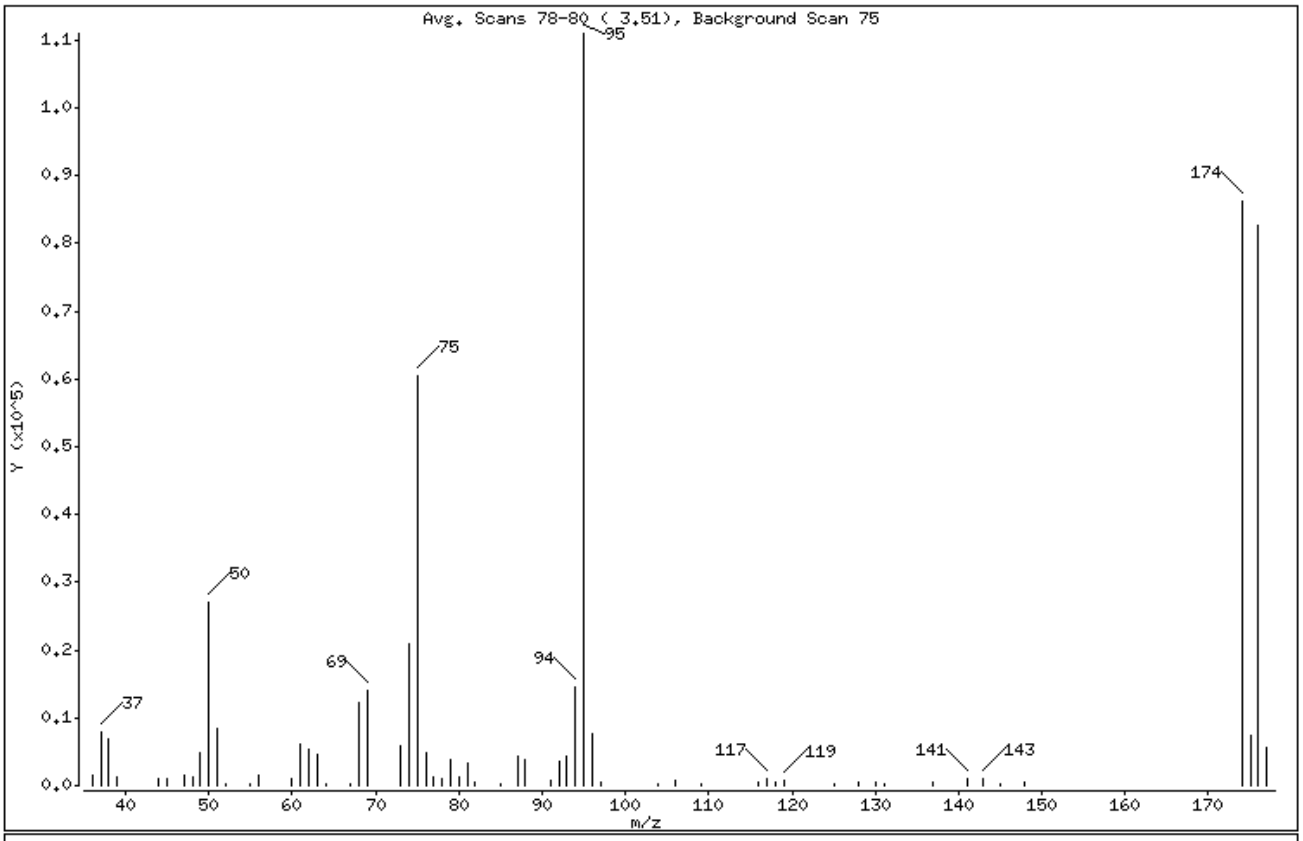
Client ID: 50NG BFB Instrument: a3ux12.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 1903

Column phase: DB624 20M Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	24.42
75	30.00 - 60.00% of mass 95	54.55
96	5.00 - 9.00% of mass 95	7.00
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	77.75
175	5.00 - 9.00% of mass 174	6.59 (8.48)
176	95.00 - 101.00% of mass 174	74.45 (95.75)
177	5.00 - 9.00% of mass 176	5.03 (6.76)

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50612A.b\BFB012.D Page 3

Date : 12-JUN-2005 16:41

Client ID: 50NG BFB Instrument: a3ux12.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 1903

Column phase: DB624 20M Column diameter: 0.18

Data File: BFB012.D
Spectrum: Avg. Scans 78-80 (3.51), Background Scan 75
Location of Maximum: 95.00
Number of points: 62

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1415	62.00	5453	85.00	155	119.00	700
37.00	7804	63.00	4489	87.00	4458	125.00	170
38.00	6917	64.00	367	88.00	3721	128.00	470
39.00	1317	67.00	263	91.00	774	130.00	522
44.00	896	68.00	12346	92.00	3656	131.00	177
45.00	1047	69.00	13947	93.00	4248	137.00	464
47.00	1636	73.00	5984	94.00	14573	141.00	1083
48.00	1209	74.00	20904	95.00	111000	143.00	1035
49.00	4782	75.00	60552	96.00	7770	145.00	183
50.00	27104	76.00	4799	97.00	449	148.00	411
51.00	8382	77.00	1300	104.00	321	174.00	86304
52.00	184	78.00	925	106.00	688	175.00	7315
55.00	280	79.00	3787	109.00	184	176.00	82640
56.00	1569	80.00	1159	116.00	424	177.00	5583
60.00	997	81.00	3434	117.00	1086		
61.00	6114	82.00	637	118.00	624		

STL North Canton

Data file : \\QCANOH04\DD\chem\MSV\a3ux12.i\T50614A.b\BFB014A.D
Lab Smp Id: 50ng bfb Client Smp ID: 50NG BFB
Inj Date : 14-JUN-2005 04:58
Operator : 1903 Inst ID: a3ux12.i
Smp Info :
Misc Info : T50614A,BFBUX12,,1903
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux12.i\T50614A.b\BFBUX12.m
Meth Date : 09-Mar-2005 18:51 Quant Type: ESTD
Cal Date : 01-MAR-2000 19:29 Cal File: uxx0287.d
Als bottle: 31 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: QCANOH04

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
3.507	3.500	0.007	95	93464			100.00- 100.00	100.00
3.507	3.500	0.007	50	22000			15.00- 40.00	23.54
3.507	3.500	0.007	75	50592			30.00- 60.00	54.13
3.507	3.500	0.007	96	6563			5.00- 9.00	7.02
3.507	3.500	0.007	173	0	0.0	0.0	0.00- 2.00	0.00
3.507	3.500	0.007	174	70624			50.00- 100.00	75.56
3.507	3.500	0.007	175	5677			5.00- 9.00	8.04
3.507	3.500	0.007	176	69128			95.00- 101.00	97.88
3.507	3.500	0.007	177	4731			5.00- 9.00	6.84

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\BFB014A.D

Page 1

Date : 14-JUN-2005 04:58

Client ID: 50NG BFB

Instrument: a3ux12.i

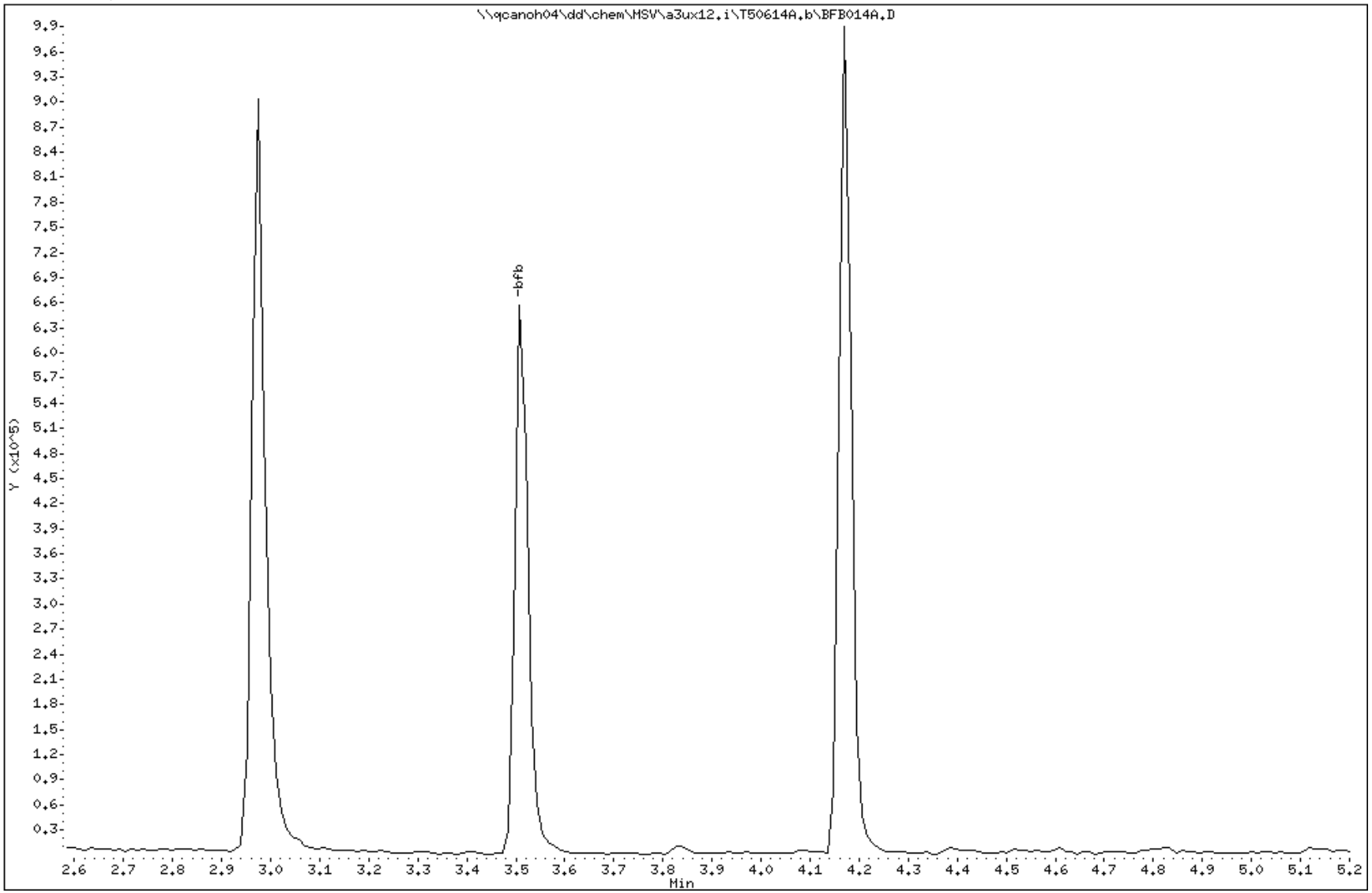
Sample Info:

Volume Injected (uL): 1.0

Operator: 1903

Column phase: DB624 20M

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\BFB014A.D

Date : 14-JUN-2005 04:58

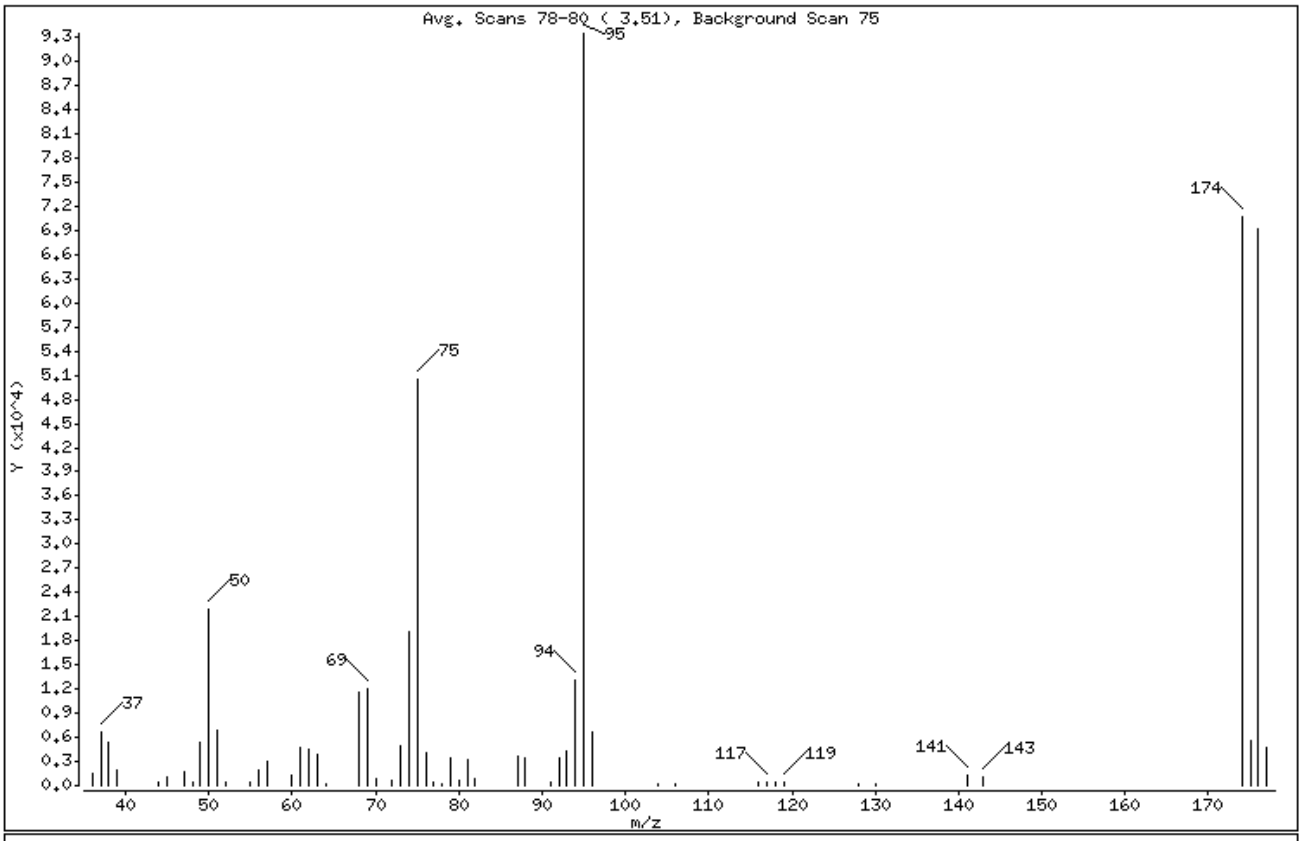
Client ID: 50NG BFB | Instrument: a3ux12.i

Sample Info:

Volume Injected (uL): 1.0 | Operator: 1903

Column phase: DB624 20M | Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.54
75	30.00 - 60.00% of mass 95	54.13
96	5.00 - 9.00% of mass 95	7.02
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	75.56
175	5.00 - 9.00% of mass 174	6.07 (8.04)
176	95.00 - 101.00% of mass 174	73.96 (97.88)
177	5.00 - 9.00% of mass 176	5.06 (6.84)

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\BFB014A.D Page 3

Date : 14-JUN-2005 04:58

Client ID: 50NG BFB Instrument: a3ux12.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 1903

Column phase: DB624 20M Column diameter: 0.18

Data File: BFB014A.D
Spectrum: Avg. Scans 78-80 (3.51), Background Scan 75
Location of Maximum: 95.00
Number of points: 56

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1420	60.00	1320	79.00	3358	117.00	528
37.00	6567	61.00	4799	80.00	721	118.00	392
38.00	5433	62.00	4605	81.00	3128	119.00	429
39.00	1930	63.00	3809	82.00	825	128.00	166
44.00	358	64.00	174	87.00	3666	130.00	266
45.00	1031	68.00	11533	88.00	3400	141.00	1367
47.00	1799	69.00	12128	91.00	508	143.00	991
48.00	336	70.00	904	92.00	3376	174.00	70624
49.00	5266	72.00	660	93.00	4234	175.00	5677
50.00	22000	73.00	4959	94.00	13004	176.00	69128
51.00	6962	74.00	19120	95.00	93464	177.00	4731
52.00	441	75.00	50592	96.00	6563		
55.00	327	76.00	4007	104.00	255		
56.00	1912	77.00	375	106.00	297		
57.00	2920	78.00	229	116.00	439		

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A5F020226 **Work Order #...:** HDK4X1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5F140000-463 HDK4X1AD-LCSD
Prep Date.....: 06/14/05 **Analysis Date..:** 06/14/05
Prep Batch #...: 5165463
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**96**	**(80 - 116)**			**SW846 8260B**
	97	**(80 - 116)**	**1.1**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**100**	**(76 - 117)**			**SW846 8260B**
	98	**(76 - 117)**	**2.2**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**104**	**(63 - 130)**			**SW846 8260B**
	102	**(63 - 130)**	**1.8**	**(0-20)**	**SW846 8260B**
Toluene	**97**	**(74 - 119)**			**SW846 8260B**
	98	**(74 - 119)**	**0.53**	**(0-20)**	**SW846 8260B**
Trichloroethene	**99**	**(75 - 122)**			**SW846 8260B**
	99	**(75 - 122)**	**0.32**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
	99	(73 - 122)
1,2-Dichloroethane-d4	103	(61 - 128)
	100	(61 - 128)
Toluene-d8	104	(76 - 110)
	102	(76 - 110)
4-Bromofluorobenzene	102	(74 - 116)
	95	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A5F020226 **Work Order #...:** HDK4X1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5F140000-463 HDK4X1AD-LCSD
Prep Date.....: 06/14/05 **Analysis Date..:** 06/14/05
Prep Batch #...: 5165463
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**10**	**9.6**	**ug/L**	**96**		**SW846 8260B**
	10	**9.7**	**ug/L**	**97**	**1.1**	**SW846 8260B**
Chlorobenzene	**10**	**10**	**ug/L**	**100**		**SW846 8260B**
	10	**9.8**	**ug/L**	**98**	**2.2**	**SW846 8260B**
1,1-Dichloroethene	**10**	**10**	**ug/L**	**104**		**SW846 8260B**
	10	**10**	**ug/L**	**102**	**1.8**	**SW846 8260B**
Toluene	**10**	**9.7**	**ug/L**	**97**		**SW846 8260B**
	10	**9.8**	**ug/L**	**98**	**0.53**	**SW846 8260B**
Trichloroethene	**10**	**9.9**	**ug/L**	**99**		**SW846 8260B**
	10	**9.9**	**ug/L**	**99**	**0.32**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
	99	(73 - 122)
1,2-Dichloroethane-d4	103	(61 - 128)
	100	(61 - 128)
Toluene-d8	104	(76 - 110)
	102	(76 - 110)
4-Bromofluorobenzene	102	(74 - 116)
	95	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T50614A.b\UX124536.D
Report Date: 14-Jun-2005 06:31

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\DD\chem\MSV\a3ux12.i\T50614A.b\UX124536.D
Lab Smp Id: CHECK
Inj Date : 14-JUN-2005 06:14
Operator : 1903 Inst ID: a3ux12.i
Smp Info : CHECK
Misc Info : T50614A,8260LLUX12,2-8260.SUB,1903,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T50614A.b\8260LLUX12.m
Meth Date : 14-Jun-2005 06:05 Quant Type: ISTD
Cal Date : 01-APR-2005 23:46 Cal File: UX122779.D
Als bottle: 34 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH04

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	4.973	4.973	(1.000)	628319	50.0000	
* 2 Chlorobenzene-d5	117	7.611	7.611	(1.000)	484718	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.836	9.836	(1.000)	254959	50.0000	
$ 4 Dibromofluoromethane	113	4.417	4.428	(0.888)	146747	51.5868	10.317
$ 5 1,2-Dichloroethane-d4	65	4.701	4.701	(0.945)	214792	51.2914	10.258
$ 6 Toluene-d8	98	6.310	6.310	(0.829)	596760	51.9419	10.388
$ 7 Bromofluorobenzene	95	8.712	8.712	(1.145)	238440	50.8057	10.161
8 Dichlorodifluoromethane	85	1.517	1.529	(0.305)	83481	25.3959	5.079
9 Chloromethane	50	1.659	1.659	(0.334)	240288	39.4844	7.897
10 Vinyl Chloride	62	1.742	1.754	(0.350)	204467	43.0455	8.609
11 Bromomethane	94	2.026	2.026	(0.408)	89976	39.2597	7.852
12 Chloroethane	64	2.121	2.121	(0.427)	117678	42.0340	8.407
13 Trichlorofluoromethane	101	2.298	2.287	(0.462)	203809	49.0952	9.819
15 Acrolein	56	2.571	2.582	(0.517)	310405	503.123	100.62(A)
16 Acetone	43	2.701	2.689	(0.543)	136018	50.9172	10.183
17 1,1-Dichloroethene	61	2.665	2.665	(0.536)	271249	51.8303	10.366
18 Freon-113	151	2.724	2.724	(0.548)	91963	48.5854	9.717
19 Iodomethane	142	2.890	2.795	(0.581)	26005	1.23117	0.2462
20 Carbon Disulfide	76	2.866	2.855	(0.576)	494453	42.5044	8.501
21 Methylene Chloride	84	3.032	3.044	(0.610)	193359	52.2821	10.456

22 Acetonitrile	41	2.902	2.902 (0.584)	345816	503.495	100.70(A)
23 Acrylonitrile	53	3.221	3.221 (0.648)	749053	490.980	98.196(A)

Data File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T50614A.b\UX124536.D
Report Date: 14-Jun-2005 06:31

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.257	3.257	(0.655)	467995	52.0826	10.416
	25 trans-1,2-Dichloroethene	61	3.257	3.257	(0.655)	236148	49.5179	9.904
	26 Hexane	57	3.470	3.470	(0.698)	97500	43.9107	8.782
	27 Vinyl acetate	43	3.470	3.612	(0.698)	78118	11.0933	2.219
	28 1,1-Dichloroethane	63	3.588	3.588	(0.722)	295025	49.1127	9.822
	29 tert-Butyl Alcohol	59	3.115	3.115	(0.626)	25683	65.9330	13.186
	30 2-Butanone	43	4.050	4.050	(0.814)	108382	38.4610	7.692
M	31 1,2-Dichloroethene (total)	61				460391	94.0067	18.801
	32 cis-1,2-dichloroethene	61	4.050	4.050	(0.814)	224243	44.4888	8.898
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.298	4.298	(0.864)	278956	50.1810	10.036
	36 Tetrahydrofuran	42	4.275	4.275	(0.860)	7921	2.72695	0.5454
	37 1,1,1-Trichloroethane	97	4.452	4.452	(0.895)	197530	47.8114	9.562
	38 1,1-Dichloropropene	75	4.748	4.582	(0.955)	12129	3.01268	0.6025
	39 Carbon Tetrachloride	117	4.594	4.594	(0.924)	146912	49.3866	9.877
	40 1,2-Dichloroethane	62	4.760	4.760	(0.957)	251665	50.6743	10.135
	41 Benzene	78	4.760	4.760	(0.957)	649888	48.0192	9.604
	42 Trichloroethene	130	5.280	5.280	(1.062)	163189	49.3187	9.864
	43 1,2-Dichloropropane	63	5.470	5.470	(1.100)	163782	48.1226	9.624
	44 1,4-Dioxane	88	5.588	5.576	(1.124)	16469	442.267	88.453(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.694	5.694	(1.145)	181502	49.3999	9.880
	47 2-Chloroethyl vinyl ether	63	5.931	5.931	(1.193)	63816	44.7364	8.947
	48 cis-1,3-Dichloropropene	75	6.073	6.073	(1.221)	225886	43.8894	8.778
	49 4-Methyl-2-pentanone	43	6.191	6.191	(1.245)	208063	48.5184	9.704
	50 Toluene	91	6.369	6.369	(0.837)	668910	48.6889	9.738
	51 trans-1,3-Dichloropropene	75	6.546	6.546	(0.860)	196388	42.2019	8.440
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.712	6.712	(0.882)	138603	46.9554	9.391
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.866	6.866	(0.902)	102078	47.7975	9.560
	56 2-Hexanone	43	6.925	6.925	(0.910)	152744	41.1625	8.232
	57 Dibromochloromethane	129	7.079	7.079	(0.930)	113109	42.8959	8.579
	58 1,2-Dibromoethane	107	7.185	7.185	(0.944)	138891	49.1353	9.827
	59 Chlorobenzene	112	7.635	7.635	(1.003)	448488	50.0148	10.003
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	7.730	7.730	(1.016)	662590	49.2184	9.844
	62 m + p-Xylene	91	7.836	7.836	(1.030)	1032288	98.2835	19.657
M	63 Xylenes (total)	91				1579246	147.744	29.549
	64 Xylene-o	91	8.215	8.215	(1.079)	546958	49.4605	9.892
	65 Styrene	104	8.227	8.227	(1.081)	455254	43.7676	8.754
	66 Bromoform	173	8.404	8.404	(1.104)	69701	45.5314	9.106
	67 Isopropylbenzene	105	8.558	8.558	(1.124)	504292	49.0463	9.809
	68 1,1,2,2-Tetrachloroethane	83	8.842	8.842	(0.899)	213259	48.1543	9.631
	69 1,4-Dichloro-2-butene	53	8.653	8.889	(0.880)	2040	14.3103	2.862
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

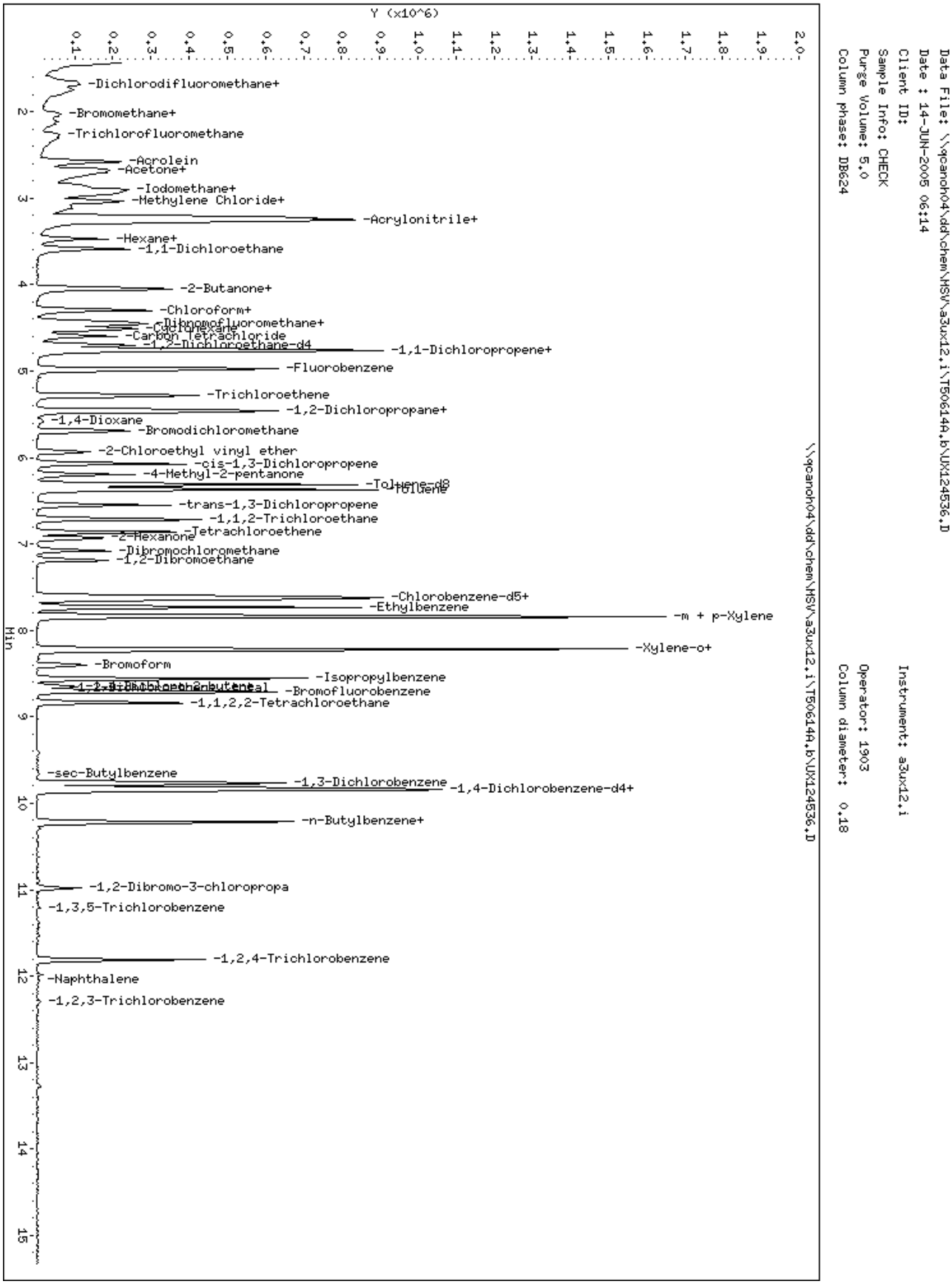
76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T50614A.b\UX124536.D
Report Date: 14-Jun-2005 06:31

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
78 sec-Butylbenzene	105	9.659	9.659	(0.982)	5605	0.52105	0.1042
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.765	9.765	(0.993)	308982	46.5767	9.315
81 1,4-Dichlorobenzene	146	9.860	9.860	(1.002)	353767	48.3599	9.672
82 n-Butylbenzene	91	10.191	10.203	(1.036)	8052	0.96026	0.1920
83 1,2-Dichlorobenzene	146	10.215	10.215	(1.038)	323339	48.1613	9.632
84 1,2-Dibromo-3-chloropropane	157	10.984	10.984	(1.117)	31621	43.5732	8.715
85 1,2,4-Trichlorobenzene	180	11.812	11.812	(1.201)	148766	41.3925	8.278
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	12.061	12.049	(1.226)	6435	0.58013	0.1160
88 1,2,3-Trichlorobenzene	180	12.297	12.297	(1.250)	3750	1.13886	0.2278
98 Cyclohexane	56	4.511	4.511	(0.907)	155644	41.6237	8.325
143 Methyl Acetate	43	2.949	2.949	(0.593)	168388	47.6453	9.529
144 Methylcyclohexane	83	5.446	5.446	(1.095)	108685	42.6251	8.525
141 1,3,5-Trichlorobenzene	180	11.197	11.197	(1.138)	5043	1.23763	0.2475

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\UX124536.D
Date : 14-JUN-2005 06:14
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18
\\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\UX124536.D
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-1,1-Dichloropropene+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-Ethylbenzene
-m + p-Xylene
-Xylene-o+
-Bromoform
-Isopropylbenzene
-1,2,3-Trichloro-2-butenal
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-sec-Butylbenzene
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Naphthalene
-1,2,3-Trichlorobenzene

Data File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T50614A.b\UX124537.D
Report Date: 14-Jun-2005 06:56

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\DD\chem\MSV\a3ux12.i\T50614A.b\UX124537.D
Lab Smp Id: CHECK
Inj Date : 14-JUN-2005 06:40
Operator : 1903 Inst ID: a3ux12.i
Smp Info : CHECK
Misc Info : T50614A,8260LLUX12,2-8260.SUB,1903,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T50614A.b\8260LLUX12.m
Meth Date : 14-Jun-2005 06:05 Quant Type: ISTD
Cal Date : 01-APR-2005 23:46 Cal File: UX122779.D
Als bottle: 35 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH04

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	4.973	4.973	(1.000)	638618	50.0000	
* 2 Chlorobenzene-d5	117	7.611	7.611	(1.000)	498431	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.824	9.836	(1.000)	258165	50.0000	
$ 4 Dibromofluoromethane	113	4.428	4.428	(0.891)	142833	49.4011	9.880
$ 5 1,2-Dichloroethane-d4	65	4.700	4.701	(0.945)	211908	49.7866	9.957
$ 6 Toluene-d8	98	6.310	6.310	(0.829)	601108	50.8809	10.176
$ 7 Bromofluorobenzene	95	8.712	8.712	(1.145)	229175	47.4881	9.498
8 Dichlorodifluoromethane	85	1.517	1.529	(0.305)	71962	21.7182	4.344
9 Chloromethane	50	1.659	1.659	(0.334)	231725	37.4632	7.493
10 Vinyl Chloride	62	1.742	1.754	(0.350)	206104	42.6904	8.538
11 Bromomethane	94	2.026	2.026	(0.408)	98344	41.8285	8.366
12 Chloroethane	64	2.121	2.121	(0.427)	119594	42.0298	8.406
13 Trichlorofluoromethane	101	2.298	2.287	(0.462)	207451	49.1666	9.833
15 Acrolein	56	2.582	2.582	(0.519)	315383	502.947	100.59(A)
16 Acetone	43	2.701	2.689	(0.543)	143859	53.2477	10.650
17 1,1-Dichloroethene	61	2.665	2.665	(0.536)	270890	50.9270	10.185
18 Freon-113	151	2.712	2.724	(0.546)	87281	45.4137	9.083
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.866	2.855	(0.576)	504334	42.6546	8.531
21 Methylene Chloride	84	3.032	3.044	(0.610)	192931	51.3163	10.263

22 Acetonitrile	41	2.914	2.902 (0.586)	344158	493.000	98.600(A)
23 Acrylonitrile	53	3.221	3.221 (0.648)	774397	499.406	99.881(A)

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Report Date: 14-Jun-2005 06:56

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.257	3.257	(0.655)	459147	50.2739	10.055
	25 trans-1,2-Dichloroethene	61	3.257	3.257	(0.655)	236659	48.8247	9.765
	26 Hexane	57	3.470	3.470	(0.698)	93561	41.4571	8.291
	27 Vinyl acetate	43	3.470	3.612	(0.698)	73385	10.2532	2.051
	28 1,1-Dichloroethane	63	3.588	3.588	(0.722)	294713	48.2696	9.654
	29 tert-Butyl Alcohol	59	3.115	3.115	(0.626)	3918	9.89602	1.979
	30 2-Butanone	43	4.050	4.050	(0.814)	101918	35.5839	7.117
M	31 1,2-Dichloroethene (total)	61				463421	93.0878	18.618
	32 cis-1,2-dichloroethene	61	4.050	4.050	(0.814)	226762	44.2631	8.853
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.298	4.298	(0.864)	281029	49.7386	9.948
	36 Tetrahydrofuran	42	4.286	4.275	(0.862)	7547	2.35123	0.4702
	37 1,1,1-Trichloroethane	97	4.452	4.452	(0.895)	207527	49.4210	9.884
	38 1,1-Dichloropropene	75	4.760	4.582	(0.957)	11545	2.82138	0.5643
	39 Carbon Tetrachloride	117	4.594	4.594	(0.924)	145329	48.0666	9.613
	40 1,2-Dichloroethane	62	4.760	4.760	(0.957)	254005	50.3206	10.064
	41 Benzene	78	4.760	4.760	(0.957)	667693	48.5392	9.708
	42 Trichloroethene	130	5.280	5.280	(1.062)	166413	49.4820	9.896
	43 1,2-Dichloropropane	63	5.470	5.470	(1.100)	171839	49.6756	9.935
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.694	5.694	(1.145)	186104	49.8356	9.967
	47 2-Chloroethyl vinyl ether	63	5.931	5.931	(1.193)	66871	45.7800	9.156
	48 cis-1,3-Dichloropropene	75	6.073	6.073	(1.221)	232889	44.4704	8.894
	49 4-Methyl-2-pentanone	43	6.191	6.191	(1.245)	208527	47.8424	9.568
	50 Toluene	91	6.369	6.369	(0.837)	691523	48.9500	9.790
	51 trans-1,3-Dichloropropene	75	6.546	6.546	(0.860)	206862	43.1026	8.620
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.712	6.712	(0.882)	142836	47.0582	9.412
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.866	6.866	(0.902)	101534	46.2348	9.247
	56 2-Hexanone	43	6.925	6.925	(0.910)	146668	38.4376	7.688
	57 Dibromochloromethane	129	7.079	7.079	(0.930)	117701	43.3566	8.671
	58 1,2-Dibromoethane	107	7.185	7.185	(0.944)	145826	50.1694	10.034
	59 Chlorobenzene	112	7.635	7.635	(1.003)	450943	48.9050	9.781
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	7.730	7.730	(1.016)	654218	47.2595	9.452
	62 m + p-Xylene	91	7.836	7.836	(1.030)	1036161	95.9381	19.188
M	63 Xylenes (total)	91				1581149	143.865	28.773
	64 Xylene-o	91	8.215	8.215	(1.079)	544988	47.9264	9.585
	65 Styrene	104	8.227	8.227	(1.081)	465957	43.5834	8.717
	66 Bromoform	173	8.404	8.404	(1.104)	68551	43.9771	8.795
	67 Isopropylbenzene	105	8.558	8.558	(1.124)	518688	49.0585	9.812
	68 1,1,2,2-Tetrachloroethane	83	8.842	8.842	(0.900)	215974	48.1617	9.632
	69 1,4-Dichloro-2-butene	53	8.641	8.889	(0.880)	2719	14.8101	2.962
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T50614A.b\UX124537.D
Report Date: 14-Jun-2005 06:56

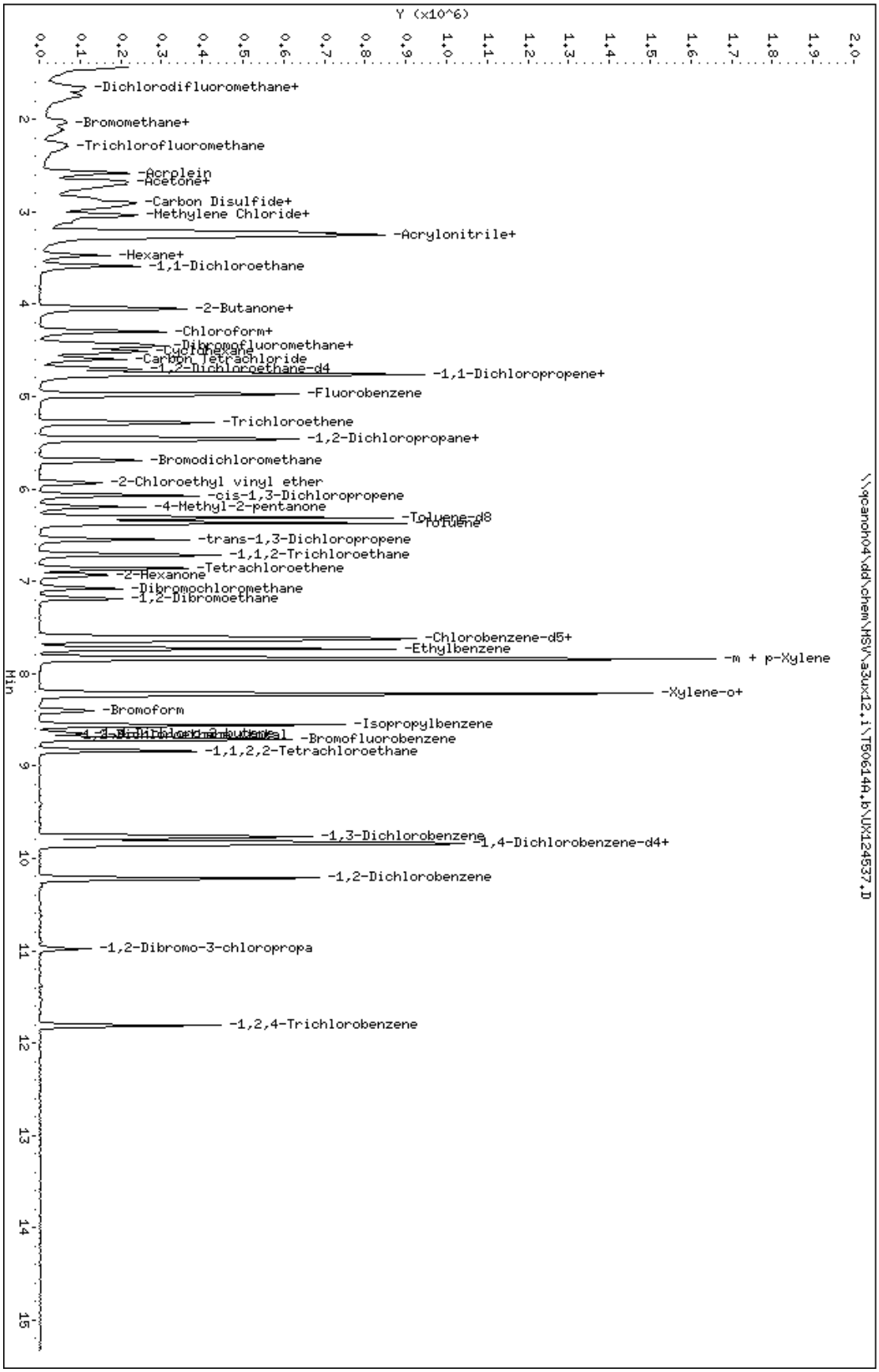
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.765	9.765	(0.994)	309320	46.0486	9.210
81 1,4-Dichlorobenzene	146	9.860	9.860	(1.004)	353000	47.6558	9.531
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.215	10.215	(1.040)	325235	47.8422	9.568
84 1,2-Dibromo-3-chloropropane	157	10.984	10.984	(1.118)	31606	43.0116	8.602
85 1,2,4-Trichlorobenzene	180	11.812	11.812	(1.202)	152595	41.9306	8.386
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.511	4.511	(0.907)	156161	41.0884	8.218
143 Methyl Acetate	43	2.949	2.949	(0.593)	161529	44.9675	8.993
144 Methylcyclohexane	83	5.446	5.446	(1.095)	105699	40.7855	8.157
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\UX124537.D
Date : 14-JUN-2005 06:40
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5F020226 **Work Order #...:** HDK4X1AA **Matrix.....:** WATER
MB Lot-Sample #: A5F140000-463

Prep Date.....: 06/14/05 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 06/14/05 **Prep Batch #...:** 5165463
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	**4.6 J**	**10**	**ug/L**	**SW846 8260B**
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Cyclohexane	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
Methyl acetate	ND	10	ug/L	SW846 8260B
Methylene chloride	**0.84 J**	**1.0**	**ug/L**	**SW846 8260B**
Methylcyclohexane	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5F020226 **Work Order #...:** HDK4X1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,4-Trichloro-benzene	**0.24 J**	**1.0**	**ug/L**	**SW846 8260B**
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

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Report Date: 14-Jun-2005 15:56

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\UX124538.D
Lab Smp Id: BLANK
Inj Date : 14-JUN-2005 07:06
Operator : 1903 Inst ID: a3ux12.i
Smp Info : BLANK
Misc Info : T50614A,8260LLUX12,,1903,3,,BLANK,,0
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T50614A.b\8260LLUX12.m
Meth Date : 14-Jun-2005 06:05 Quant Type: ISTD
Cal Date : 01-APR-2005 23:46 Cal File: UX122779.D
Als bottle: 36 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: QCANOH04

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	4.973	4.973	(1.000)	613176	50.0000	
* 2 Chlorobenzene-d5	117	7.611	7.611	(1.000)	470218	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.836	9.836	(1.000)	242376	50.0000	
$ 4 Dibromofluoromethane	113	4.416	4.428	(0.888)	140965	50.7780	10.156
$ 5 1,2-Dichloroethane-d4	65	4.700	4.701	(0.945)	198767	48.6369	9.727
$ 6 Toluene-d8	98	6.310	6.310	(0.829)	556953	49.9720	9.994
$ 7 Bromofluorobenzene	95	8.712	8.712	(1.145)	208147	45.7187	9.144
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.701	2.689	(0.543)	68203	23.0028	4.600
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.854	2.855	(0.574)	7146	0.62946	0.1259
21 Methylene Chloride	84	3.044	3.044	(0.612)	16675	4.18169	0.8363

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

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Report Date: 14-Jun-2005 15:56

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.286	4.275	(0.862)	5259	0.80776	0.1616
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

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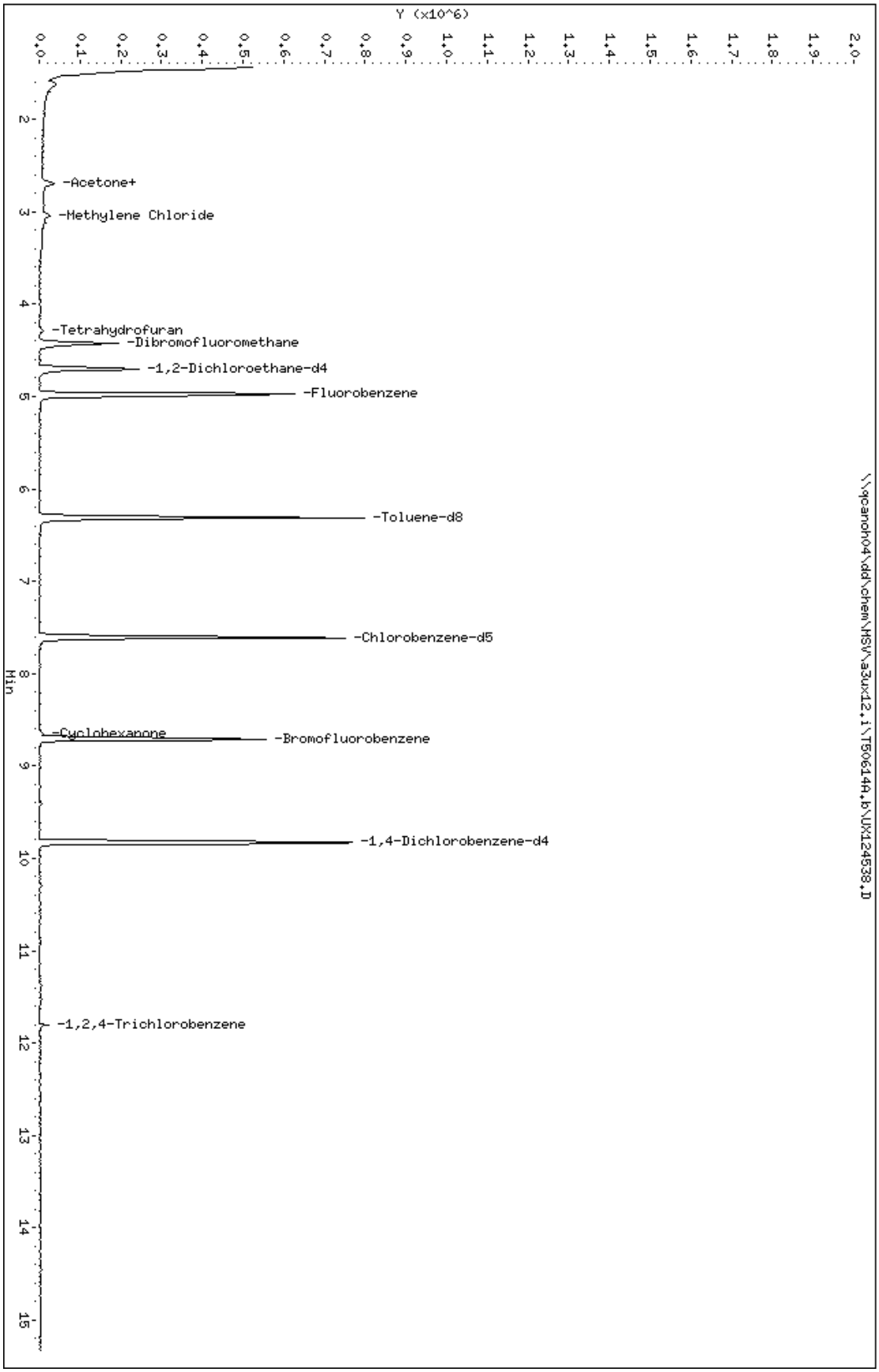
Report Date: 14-Jun-2005 15:56

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.812	11.812	(1.201)	4101	1.20030	0.2400
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	8.641	8.653	(0.878)	3995	94.3646	18.873
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\UX124538.D
Date : 14-JUN-2005 07:06
Client ID:
Sample Info: BLANK
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



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Date : 14-JUN-2005 07:06

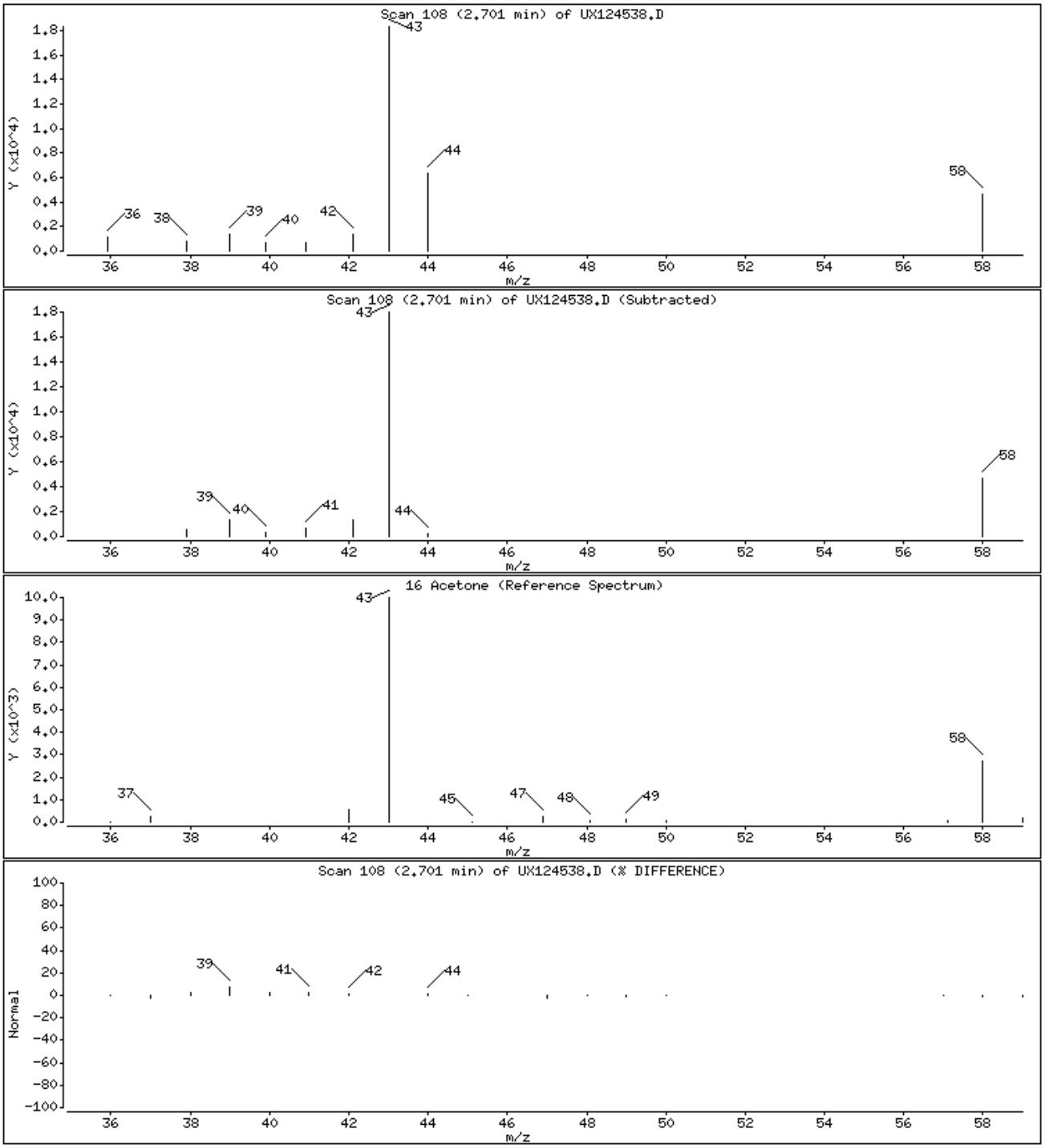
Client ID: | Instrument: a3ux12.i

Sample Info: BLANK

Purge Volume: 5.0 | Operator: 1903

Column phase: DB624 | Column diameter: 0.18

16 Acetone | Concentration: 4.600 ug/L



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Date : 14-JUN-2005 07:06

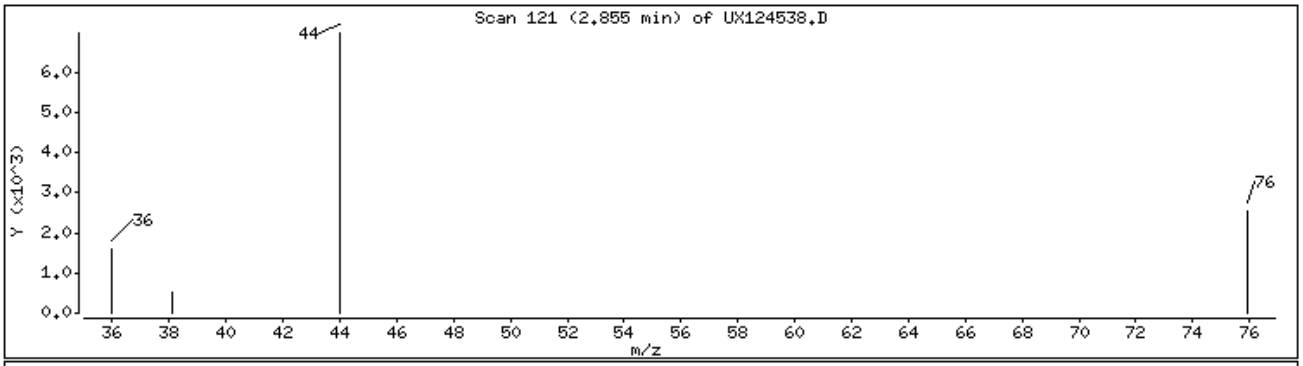
Client ID: Instrument: a3ux12.i

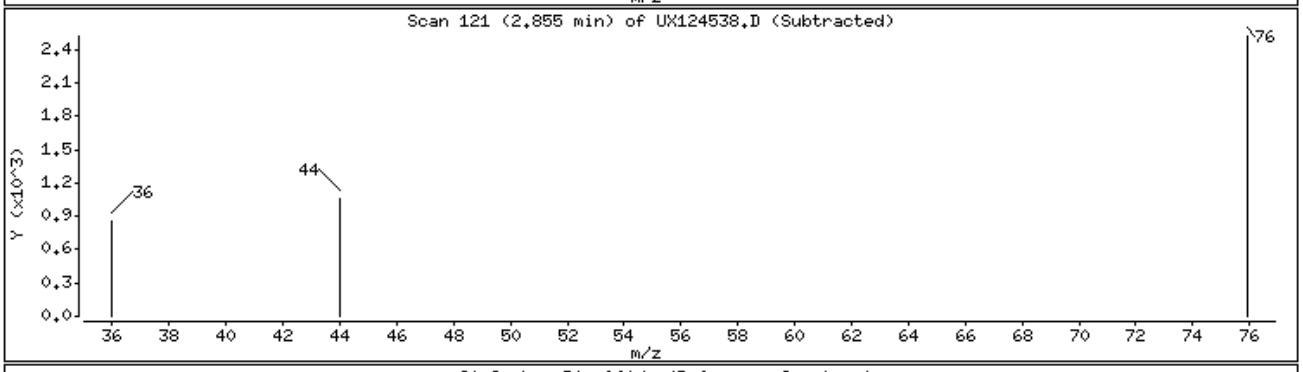
Sample Info: BLANK

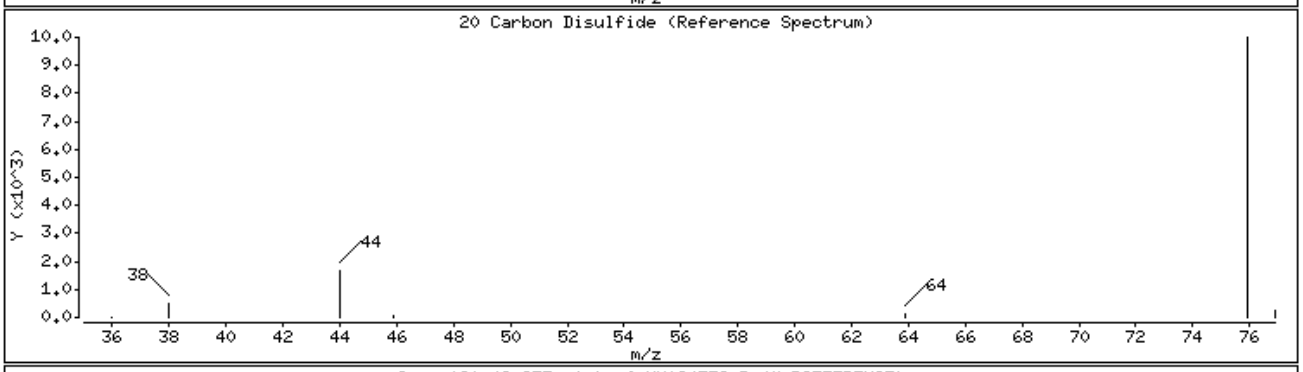
Purge Volume: 5.0 Operator: 1903

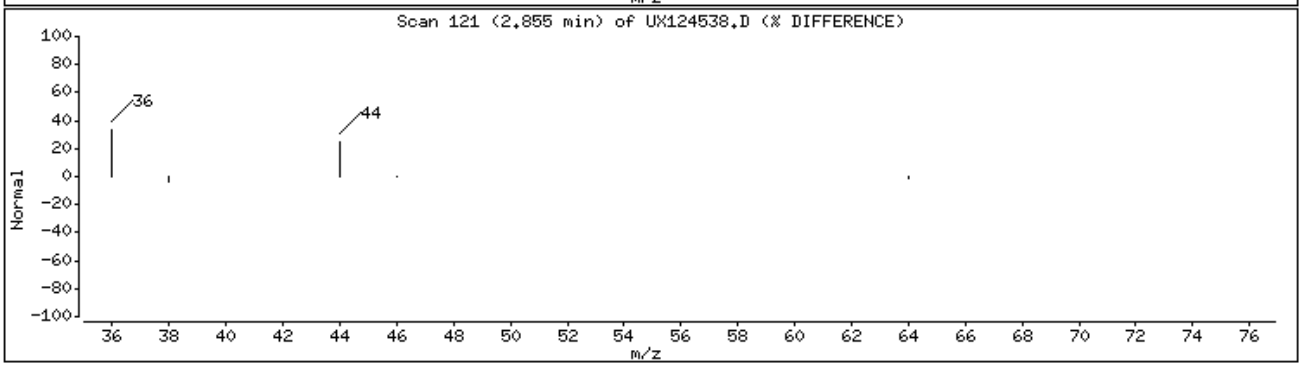
Column phase: DB624 Column diameter: 0.18

20 Carbon Disulfide Concentration: 0.1259 ug/L









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Date : 14-JUN-2005 07:06

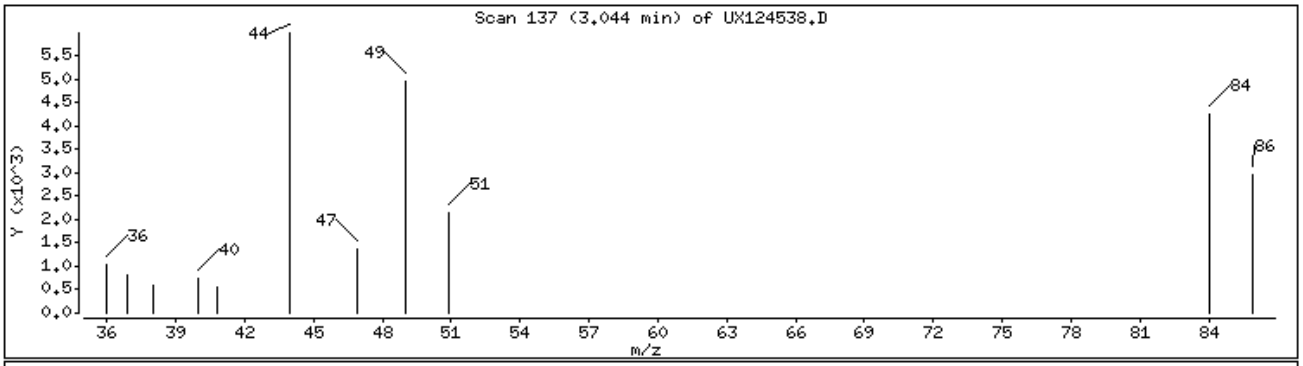
Client ID: Instrument: a3ux12.i

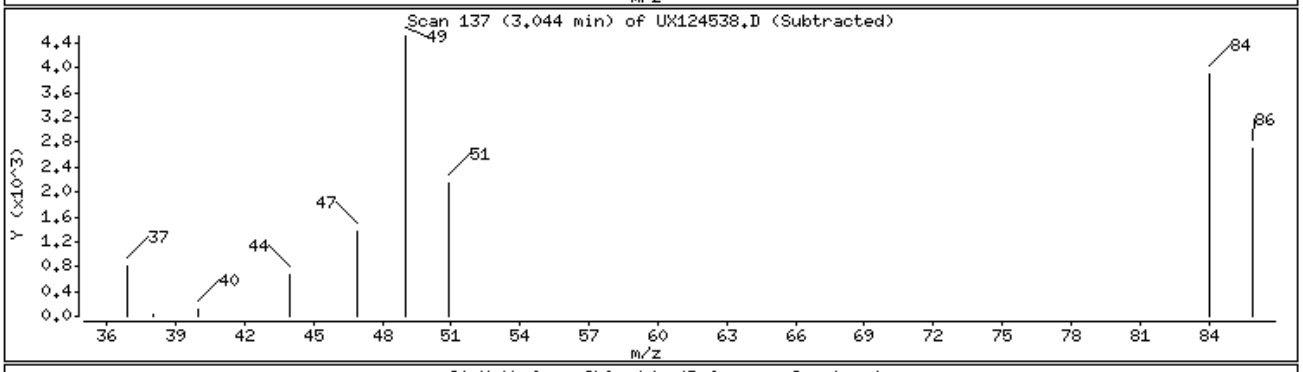
Sample Info: BLANK

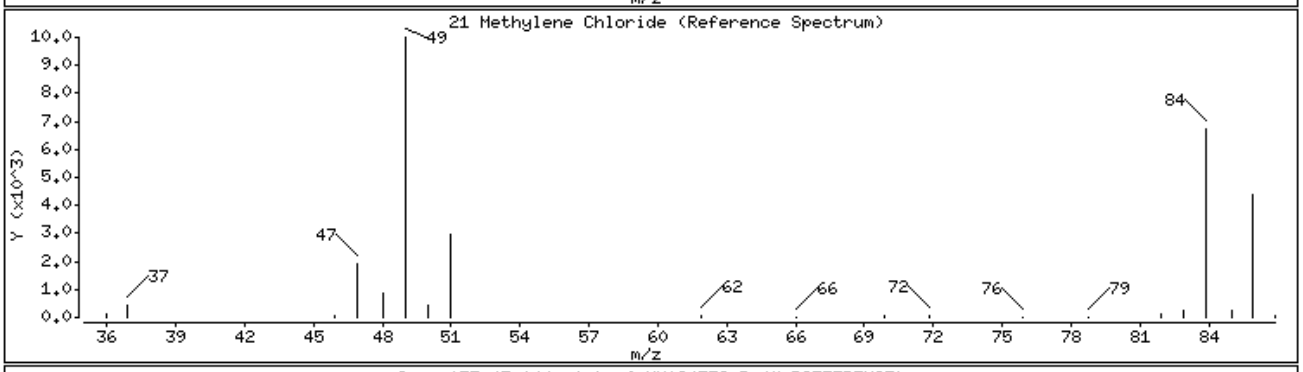
Purge Volume: 5.0 Operator: 1903

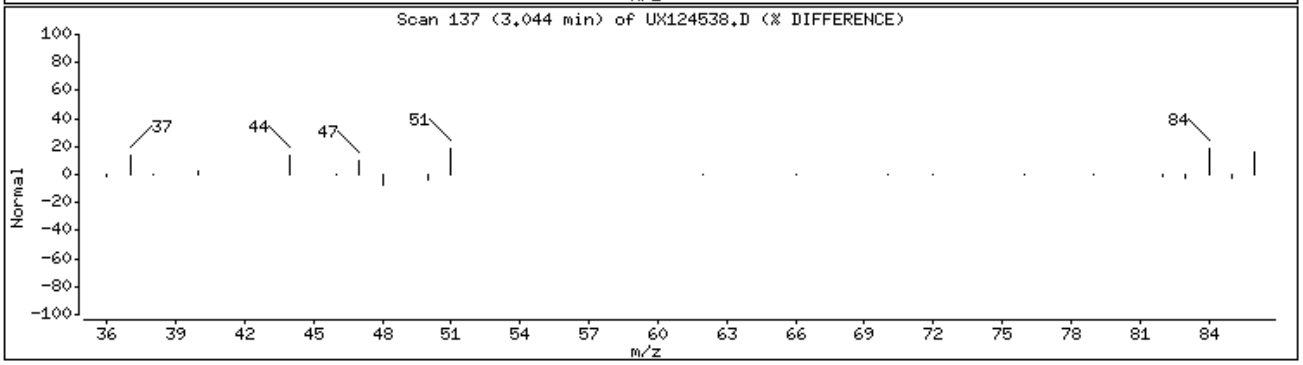
Column phase: DB624 Column diameter: 0.18

21 Methylene Chloride Concentration: 0.8363 ug/L









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Date : 14-JUN-2005 07:06

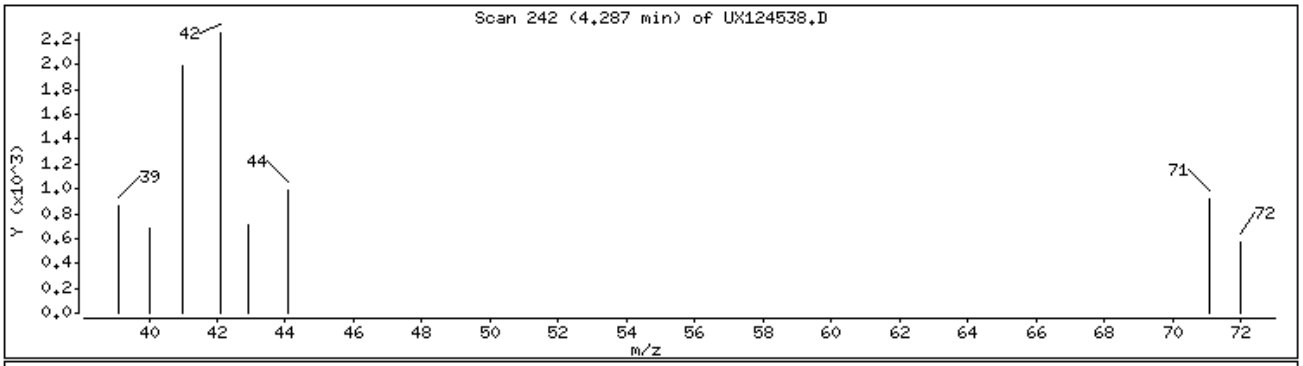
Client ID: Instrument: a3ux12.i

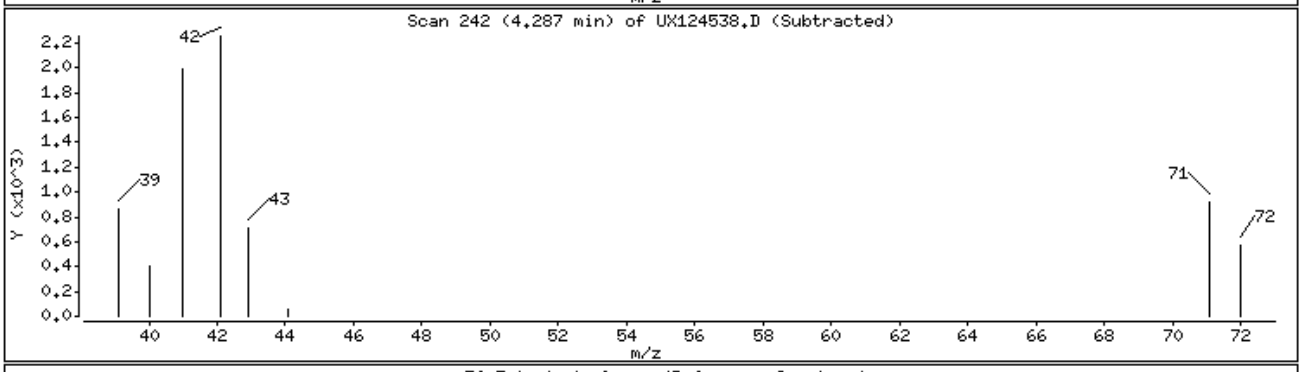
Sample Info: BLANK

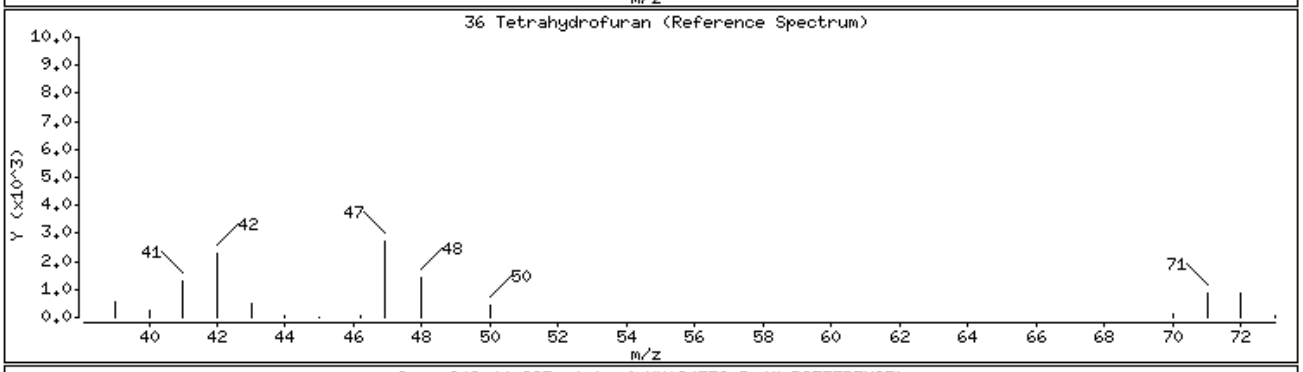
Purge Volume: 5.0 Operator: 1903

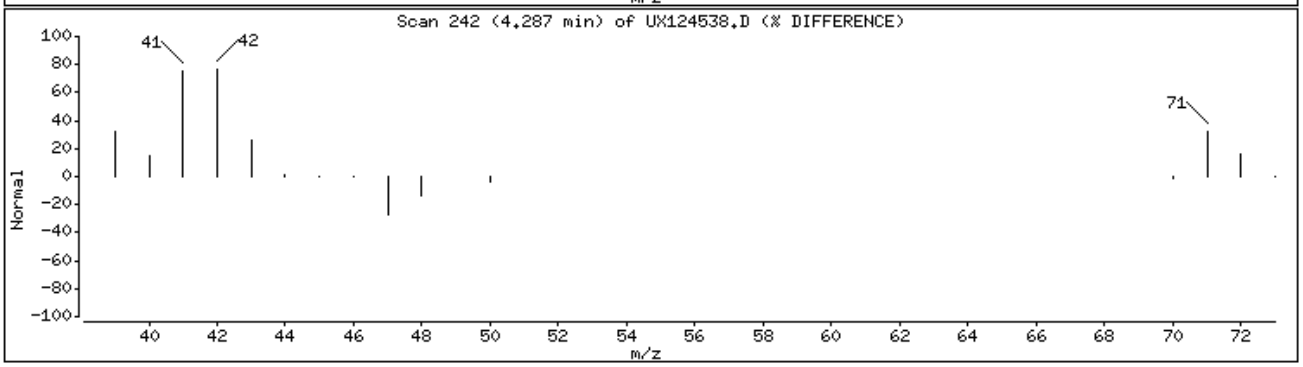
Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 0.1616 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\UX124538.D

Date : 14-JUN-2005 07:06

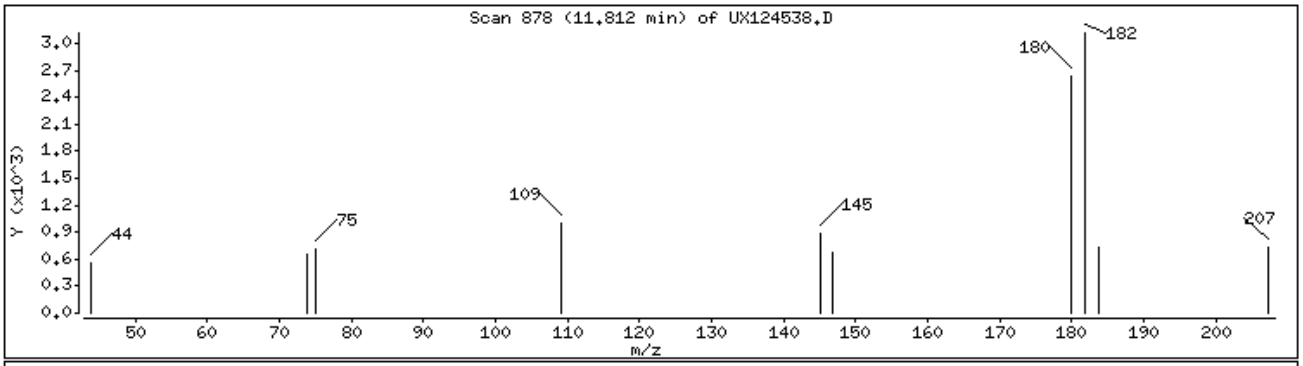
Client ID: | Instrument: a3ux12.i

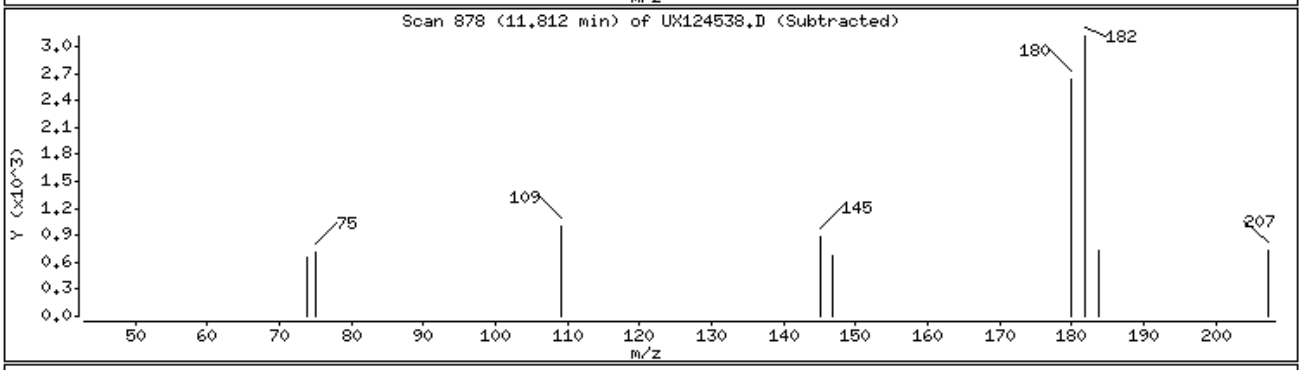
Sample Info: BLANK

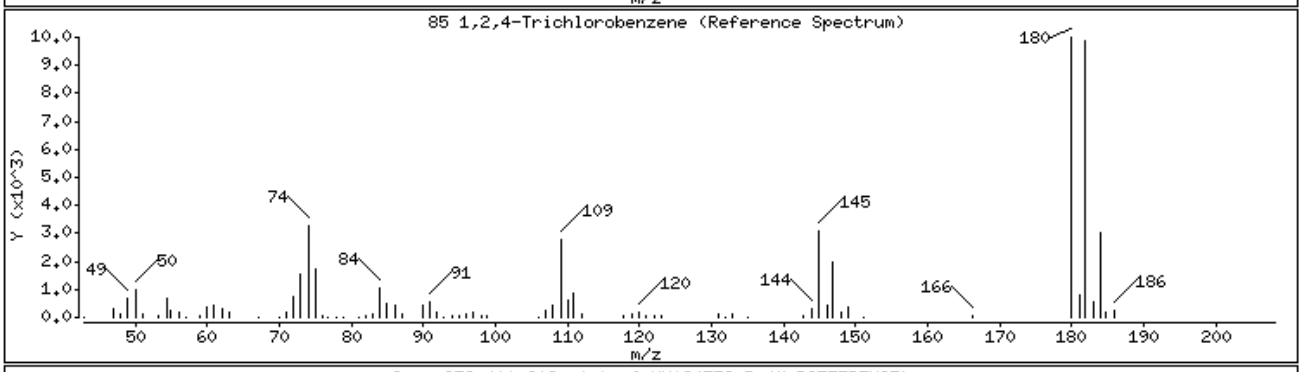
Purge Volume: 5.0 | Operator: 1903

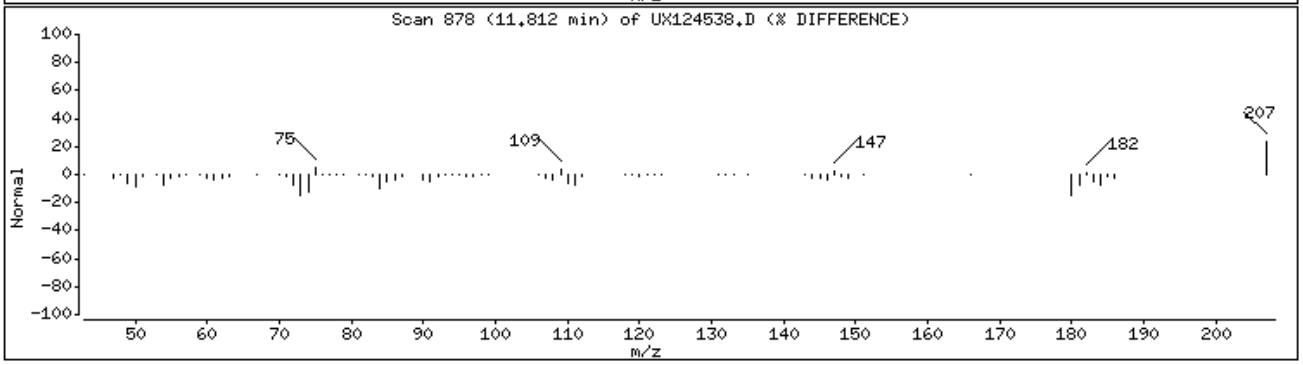
Column phase: DB624 | Column diameter: 0.18

85 1,2,4-Trichlorobenzene | Concentration: 0.2400 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T50614A.b\UX124538.D

Date : 14-JUN-2005 07:06

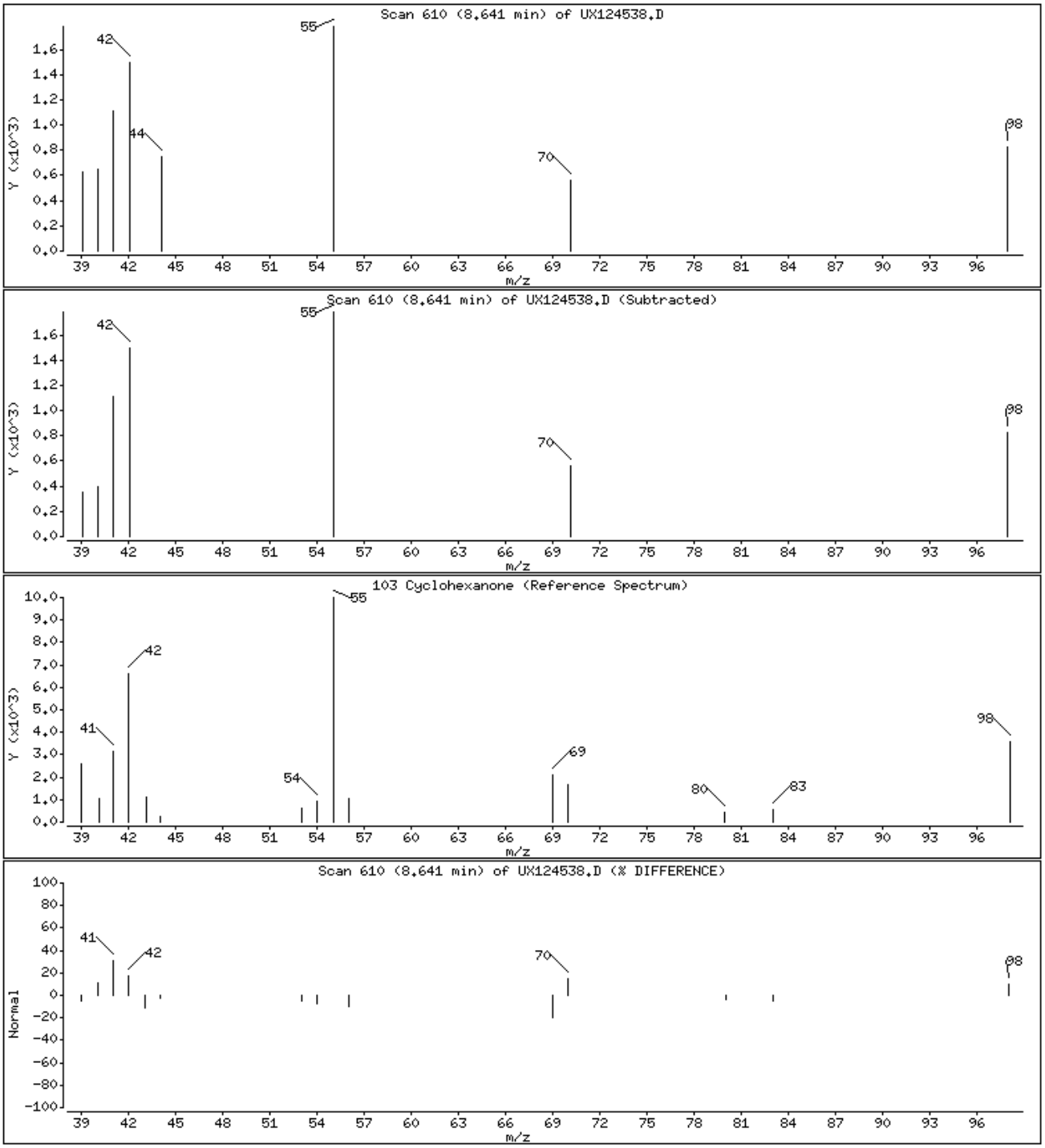
Client ID: | Instrument: a3ux12.i

Sample Info: BLANK

Purge Volume: 5.0 | Operator: 1903

Column phase: DB624 | Column diameter: 0.18

103 Cyclohexanone | Concentration: 18.873 ug/L



MISCELLANEOUS DATA

UX12
Batch # _____

STL-North Canton
GC/MS VOA Run Log

6-13

Date: 6-12-5

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 2 min @200 C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 6 min @ 210 C
	IS # V3152 SS # V3153		Heated purge: Yes/No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments		Sample status
	BFB		BFB012	50ng			16:41	ok
	8260 STD		UX124489	250ng	V3135,54,55	T50612		ok
			90	100ng				ok
			91	50ng				ok
			92	25ng				ok
			93	5ng				ok
			94	2.5ng				ok
	ICV/CHK		95	50ng	V3144			ok
	BLANK		96	5mL				ok
	2HC LCS		97	0.1mL/5mL	+50ng	V3144	5163048	ok
GM	HC1DL1AX	6-7 8E	98	(4µL×10)/5mL	9.6		5160460	ok
	HC1GR1C5		99	30µL/5mL	9.2		5159495	ok
	HC2XF1AC	6-8 8E	UX124500	100µL/5mL	7.2		5163049	ok
	HC2XF1AD	-S	01		9.1			ok
	HC2XF1AE	-D	02		10.1			ok
	HC20L1AC		03		9.6			OK
	HC2001AC		04	10µL/5mL	7.6	DIL TSC		ok
	HC3R61AC		05	10µL/5mL	11.2/11.2			ok
	HC3R71AC		06	100µL/5mL	12.9/12.9			ok
			07					
			08					
			09					
			10					

6-13-5

Analyst: [signature]
Level 2 review: SNM

PDF Made: ✓

UX12
Batch # 5165463

STL-North Canton
GC/MS VOA Run Log

Date: 6-14-5

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold – min	to – C @ – C/min	Desorb: 2 min @200 C
Flow Rate 0.4ml/min	IS # V3152 SS # V3157	Hold 3 min	Bake: 6 min @ 210 C
			Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB01X	50ng			NR
	BFB		BFB014A	50ng		4:58	OK
	A9 STD		UX12453X	50ng	V3139, 56	T50X61-A9	OK
	8260 STD		35	50ng	V3135, 54, 55	T50612	OK
	CHECK		36	50ng	V3144	HDKKX	OK
	CHECK		37	50ng	↓	↓	OK
	BLANK		38	5mL		↓	OK
	BLANK		39	5mL			NR
	HCQ2F1AC		40	5mL		OVAP	OK
	HCQ2H1AC		41	↓		↓	OK
	HCQ2K1AC		42	↓		↓	OK
	HCQ2M1AA		43	↓		↓	OK
	HCRPG1AA		44	5mL			OK
	HCRP1AA		45	5mL			OK
	HCRP31AA		46	75µL/5mL			OK
	HCRP31AC		47	↓	+50ng		OK
	HCRP31AD		48	↓	↓		OK
	HCRP41AA		49	5mL			OK
	HCRP81AA		50	↓			OK
	HCREG1AA		51	↓			OK
	HCREK1AA		52	↓			OK
	HCRCF1AA		53	5mL			OK
	HCRDC1AC		54	↓			OK
	HCRED1AC		55	↓			OK
	HCREJ1AC		56	↓			OK
	HCRG81AA		57	5mL			OK
	HCRGV1AA		58	↓			OK
	HCRMK1AA		59	↓			OK
A9	HCTXX1AC		60	5mL			OK
↓	HCT3T1AC		61	5mL			OK
			62				
						TC 6-14-5	

Analyst: TC
Level 2 review: SAM 6-17-05
PDF Made: SAM 6/17/05 SAM 6-17-05

pH/Free Chlorine Worksheet

Lot: A5F020226

A5F020226

Sample	Work Order	SAC	Client Sample ID	pH	Free Chlorine
1	HCRCF-1AA	XX I 25 QK 01	GW-060105-AJ-033	<2	N
3	HCRDC-1AC	XX I 25 QK 01	TRIP BLANK	<2	N
4	HCRED-1AC	XX I 25 QK 01	GW-060105-AJ-035	<2	N
5	HCREJ-1AC	XX I 25 QK 01	GW-060105-AJ-036	<2	N

VOA 5035 Soil Preservation Log

STL - North Canton

Preservation date	Sample Workorder#	High level sample wt. (g)	Low level sample wt. (g)	Low level sample wt. (g)	Low level preservative*	time	MeOH Batch #	MeOH QC data	Comments
6-2-05	HCKEE	45.58-35.14 10.44	~ 10.4					2ml encore surr #V3100	
	HCKEG	47.60-35.12 12.48	~ 12.5	Added 2.5 mls MEOH					
	HCKEH	46.16-35.28 10.88	~ 10.9						
	HCKA8-FB	35.11-34.93 .18							
	HCKCJ	46.77-35.06 11.71	~ 11.7	Added 1.7 mls MEOH					
	HCKCQ	44.07-34.95 9.12	~ 9.1						
	HCKCV-TB	35.20-34.94 .26							
	HCKCX	46.19-34.97 11.22	~ 11.2	Added 1.2 mls MEOH					
	HCKDC	44.80-34.99 9.81	~ 9.8						
	HCKDW	45.76-34.97 10.79	~ 10.8						
	HCKDX	45.93-35.18 10.75	~ 10.8						
	BLK#1-MI	10.00g						2ml encore surr # V3100	
	LCS#1-MI							40ml encore lus Spike #V3099	
	LCSD#1-MI								
	HCKD2	45.37-34.93 10.44	~ 10.4						
	HCKD4	45.10-35.10 10.00	~ 10.0						
	HCKD9-TB	35.17-34.92 .25							
	HCG2Y	6.19	6.22	6.28	H	18:45		5ml encore surr #V3100	
	HCG3J	5.25	5.42	5.42					
	HCG3K	4.45	5.53	5.48					
	HCG3M	3.95	4.38	3.51					
	HCG3P	5.42	5.28	5.76					

on 17:11 off @ 17:31 AM 6205

on 17:41 off @ 18:01 AM 6205

*H = 5ml water and freeze

*N = 5ml sodium bisulfate solution

VOA 5035 Soil Preservation Log

STL - North Canton

Preservation date	Sample Workorder#	High level sample wt. (g)	Low level sample wt. (g)	Low level sample wt. (g)	Low level preservative*	time	MeOH Batch #	MeOH QC data	Comments
6.2.05	HCQ3Q	5.41	5.60	5.52	H	18:45		5ml encore SW H V3100	
	HCRCR	4.73							
	HCRGG	5.57	5.49						eff.
	HCRGN	6.01	5.05						
	HCRGP	5.42	~~5.15~~ 5.14	6.2.05					
	HCRGR	4.49	4.74						
6-2-5	LCS-2	5g						5mL SS V3100 0.1mL	FAS V3099
	LCSD-2								
	BLK-2								
	HCF82	1mL / 0.89g							FILTRATE
	HCF87	1mL / 0.86g							
	HCF9L	1mL / 0.88g							
	HCF8L	1mL / 0.87g							
6.3.05	BILL 1	5.00g						5ml encore SW H V3100	
	LCS 1								
	LCSD 1								
	HCRHD	4.29	4.54	1	H	9:24			
	HCRHE	4.45	3.09						eff.
	HCRHG	5.10	5.72						
	HCRHJ	4.64	5.03						
	HCRHL	4.93	5.04			9:27			
	HCRLX	5.13	4.82			9:43			eff.

*H = 5ml water and freeze

*N = 5ml sodium bisulfate solution

Lot/SDG Number: **A5F020226**

Sample Control Chain of Custody - STL North Canton
GC/MS Volatiles

Lot Number	Sample	Work Order	Analysis Type	Analysis Date	Analyst
A5F020226	1	HCRCF1AA	Volatile Organics, GC/MS (8260B)	06/14/05	Tim Lavey
A5F020226	3	HCRDC1AC	Volatile Organics, GC/MS (8260B)	06/14/05	Tim Lavey
A5F020226	4	HCRED1AC	Volatile Organics, GC/MS (8260B)	06/14/05	Tim Lavey
A5F020226	5	HCREJ1AC	Volatile Organics, GC/MS (8260B)	06/14/05	Tim Lavey

END OF REPORT

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SEVERN TRENT STL

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www.stl-inc.com

ANALYTICAL REPORT

PROJECT NO. 34891

EVERGREEN MANOR

Lot #: A5F030312

Julie Czech

Conestoga-Rovers & Associates
8615 W. Bryn Mawr
Chicago, IL 60631

SEVERN TRENT LABORATORIES, INC.

Amy L. McCormick
Project Manager

June 27, 2005

SEVERN TRENT STL

CASE NARRATIVE

CASE NARRATIVE

A5F030312

The following report contains the analytical results for one solid sample, two water samples and one quality control sample submitted to STL North Canton by Conestoga-Rovers & Associates, Inc. from the Evergreen Manor Site, project number 34891. The samples were received June 03, 2005, according to documented sample acceptance procedures.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to Julie Czech on June 17, 2005. A summary of QC data for these analyses is included at the back of the report.

STL North Canton attests to the validity of the laboratory data generated by STL facilities reported herein. All analyses performed by STL facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. STL's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by a dry weight adjustment footnote at the bottom of the analytical report page. The list of parameters which are never reported on a dry weight basis is included on the Sample Summary.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

If you have any questions, please call the Project Manager, Amy L. McCormick, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 3.4°C.

CASE NARRATIVE (continued)

GC/MS VOLATILES

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

GENERAL CHEMISTRY

The analytical results met the requirements of the laboratory's QA/QC program.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

STL North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. STL North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed below.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals
Methylene chloride	Phthalate Esters	Copper
Acetone		Iron
2-Butanone		Zinc
		Lead*

- *for analyses run on TJA Trace ICP, ICPMS or GFAA only*

QUALITY CONTROL ELEMENTS OF SW-846 METHODS
(Continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable. The acceptance criteria do not apply to samples that are diluted for organics if the native sample amount is 4x the concentration of the spike.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepped and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepped and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide, PCB, and PAH methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria.

STL North Canton Certifications and Approvals:

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225), Illinois (#200004), Kansas (#E10336), Massachusetts (#M-OH048), Maryland (#272), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), North Carolina (#39702), Ohio (#6090), OhioVAP (#CL0024), Rhode Island (#237), South Carolina (#92007001, #92007002, #92007003), Tennessee (#02903), Utah (#QUAN9), Virginia (#00011), West Virginia (#210), Wisconsin (#999518190),NAVY, ARMY, USDA Soil Permit, ACIL Seal of Excellence – Participating Lab Status Award (#82)

SEVERN TRENT STL

EXECUTIVE SUMMARY

EXECUTIVE SUMMARY - Detection Highlights

A5F030312

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
S-060205-AJ-038 06/02/05 10:08 001				
Acetone	4.2 J	22	ug/kg	SW846 8260B
Carbon disulfide	0.29 J,B	5.6	ug/kg	SW846 8260B
Percent Solids	96.4	10.0	%	MCAWW 160.3 MOD
GW-060205-AJ-037 06/02/05 13:58 002				
Acetone	2.2 J,B	10	ug/L	SW846 8260B
Bromodichloromethane	1.8	1.0	ug/L	SW846 8260B
Bromoform	1.3	1.0	ug/L	SW846 8260B
Chloroform	1.2	1.0	ug/L	SW846 8260B
Dibromochloromethane	2.2	1.0	ug/L	SW846 8260B
GW-060205-AJ-039 06/02/05 16:45 003				
Acetone	2.1 J,B	10	ug/L	SW846 8260B
Bromodichloromethane	2.2	1.0	ug/L	SW846 8260B
Bromoform	1.5	1.0	ug/L	SW846 8260B
Carbon disulfide	0.62 J	1.0	ug/L	SW846 8260B
Chloroform	1.5	1.0	ug/L	SW846 8260B
Dibromochloromethane	2.9	1.0	ug/L	SW846 8260B
Tetrachloroethene	0.48 J	1.0	ug/L	SW846 8260B
TRIP BLANK 06/02/05 004				
Acetone	1.8 J,B	10	ug/L	SW846 8260B
Toluene	0.18 J	1.0	ug/L	SW846 8260B

SEVERN TRENT STL

METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

A5F030312

PARAMETER	ANALYTICAL METHOD
Total Residue as Percent Solids	MCAWW 160.3 MOD
Volatile Organics by GC/MS	SW846 8260B

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SEVERN TRENT STL

SAMPLE SUMMARY

SAMPLE SUMMARY

A5F030312

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HCWQF	001	S-060205-AJ-038	06/02/05	10:08
HCWQN	002	GW-060205-AJ-037	06/02/05	13:58
HCWQW	003	GW-060205-AJ-039	06/02/05	16:45
HCWQ0	004	TRIP BLANK	06/02/05	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SEVERN TRENT STL

SHIPPING AND RECEIVING DOCUMENTS

CONESTOGA-ROVERS & ASSOCIATES
8615 W. Bryn Mawr Avenue
Chicago, Illinois 60631
(773)380-9933 phone
(773)380-6421 fax

CHAIN-OF-CUSTODY RECORD

SHIPPED TO (Laboratory Name): STL NORTH CANTON

REFERENCE NUMBER: 34891

PROJECT NAME: Evergreen Manor

SAMPLER'S SIGNATURE: [signature] **PRINTED NAME:** A. Jarrett

SEQ. No.	DATE	TIME	SAMPLE IDENTIFICATION No.	SAMPLE MATRIX	No. OF CONTAINERS	PARAMETERS: VOC	REMARKS
	6-2-05	1008	S-060205-AJ-038	SOIL	3	X	
	↓	1358	GW ↓ ↓ 037	WATER	3	X	
	↓	1645	↓ ↓ ↓ 039	↓	3	X	
	↓	/	TRIP BLANK	↓	2	/	
			TOTAL NUMBER OF CONTAINERS		11		

RELINQUISHED BY:	DATE / TIME	RECEIVED BY:	DATE / TIME
① [signature]	DATE: 6-2-05 TIME: 1800	②	DATE: TIME:
②	DATE: TIME:	③	DATE: TIME:
③	DATE: TIME:	④	DATE: TIME:

METHOD OF SHIPMENT: FEDEX **AIR BILL No.** 849013425924

White -Fully Executed Copy
Yellow -Receiving Laboratory Copy
Pink -Shipper Copy
Goldenrod -Sampler Copy

SAMPLE TEAM: A. Jarrett

RECEIVED FOR LABORATORY BY: [signature]
DATE: 6/3/05 TIME: 9:15 Am.

12271

1001-00(SOURCE)GN-CO004

RSR280

Severn Trent Laboratories, Inc.
Sample Control Record

Client: 1628

Lot #: A5F030312

Case Number/SDG: 34891

Storage Location: MS

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
HCWQF	MADDUXA	6/03/05	Yes		Storage	
HCWQN	MADDUXA	6/03/05	Yes		Storage	
HCWQW	MADDUXA	6/03/05	Yes		Storage	
HCWQ0	MADDUXA	6/03/05	Yes		Storage	

STL Cooler Receipt Form/Narrative **Lot Number:** A5F030312

North Canton Facility

Client: CRA Project: Evergreen Manor Quote#: 64605

Cooler Received on: 6/3/05 Opened on: 6/3/05 by: Ann Maddux (Signature)

Fedx ☑ Client Drop Off ☐ UPS ☐ DHL ☐ FAS ☐ Other:_____

STL Cooler No#_____ Foam Box ☐ Client Cooler ☑ Other ____

1. Were custody seals on the outside of the cooler? Yes ☐ No ☑ Intact? Yes ☐ No ☐ NA ☑
   If YES, Quantity_____
   Were the custody seals signed and dated? Yes ☐ No ☐ NA ☑
2. Shipper's packing slip attached to this form? Yes ☑ No ☐ NA ☐
3. Did custody papers accompany the samples? Yes ☑ No ☐ Relinquished by client? Yes ☑ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☑ No ☐
5. Packing material used: Bubble Wrap ☐ Foam ☑ None ☐ Other :_____
6. Cooler temperature upon receipt 3.4 °C (see back of form for multiple coolers/temp)

METHOD: Temp Vial ☐ Coolant & Sample ☐ Against Bottles ☐ IR ☑ ICE/H_2O Slurry ☐

COOLANT: Wet Ice ☑ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐

7. Did all bottles arrive in good condition (Unbroken)? Yes ☑ No ☐
8. Could all bottle labels and/or tags be reconciled with the COC? Yes ☑ No ☐
9. Were samples at the correct pH? (record below/on back) Yes ☐ No ☐ NA ☑
10. Were correct bottles used for the tests indicated? Yes ☑ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☑ NA ☐
12. Sufficient quantity received to perform indicated analyses? Yes ☑ No ☐

Contacted PM _____ Date:_____ by:_____ via Voice Mail ☐ Verbal ☐ Other ☐

Concerning:_____

√		

1. CHAIN OF CUSTODY

The following discrepancies occurred:

_____

2. SAMPLE CONDITION

Sample(s)_____ were received after the recommended holding time had expired.

Sample(s)_____ were received in a broken container.

3. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot # 030905-HNO3; Sulfuric Acid Lot # 102804-H2SO4; Sodium Hydroxide Lot # -100504-NaOH; Hydrochloric Acid Lot # 100504-HCl; Sodium Hydroxide and Zinc Acetate Lot # 071604-CH3COO2ZN/NaOH*

Sample(s)_____ were received with bubble > 6 mm in diameter (cc: PM)

4. Other (see below or back)

Client ID	pH	Date	Initials

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Cooler	Temp	Method	Coolant

Discrepancies Cont.

GCMS VOLATILE DATA

QC SUMMARY DATA

SW846 8260B SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F030312

Extraction: XXA15MZ01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	INTRA-LAB QC	94	93	86	77	00
02	METHOD BLK. HC9LR1AA	92	92	87	83	00
03	LCS HC9LR1AC	91	94	93	93	00
04	LAB MS/MSD D	89	88	91	90	00
05	LCSD HC9LR1AD	91	91	92	94	00
06	LAB MS/MSD S	89	88	90	91	00

SURROGATES		QC LIMITS
SRG01	= Dibromofluoromethane	(59-138)
SRG02	= 1,2-Dichloroethane-d4	(61-130)
SRG03	= Toluene-d8	(60-143)
SRG04	= 4-Bromofluorobenzene	(47-158)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8260B SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F030312

Extraction: XXA4PQK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	S-060205-AJ-038	96	94	86	76	00

SURROGATES		QC LIMITS
SRG01	= Dibromofluoromethane	(59-138)
SRG02	= 1,2-Dichloroethane-d4	(61-130)
SRG03	= Toluene-d8	(60-143)
SRG04	= 4-Bromofluorobenzene	(47-158)

Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8260B SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F030312

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	GW-060205-AJ-037	109	102	106	89	00
02	GW-060205-AJ-039	110	101	104	86	00
03	TRIP BLANK	107	102	104	84	00
04	INTRA-LAB QC	105	101	103	94	00
05	METHOD BLK. HDPHL1AA	109	101	109	90	00
06	LCS HDPHL1AC	107	102	105	97	00
07	LAB MS/MSD D	105	103	101	96	00
08	LCSD HDPHL1AD	106	105	103	97	00
09	LAB MS/MSD S	108	109	102	96	00

SURROGATES		QC LIMITS
SRG01	= Dibromofluoromethane	(73-122)
SRG02	= 1,2-Dichloroethane-d4	(61-128)
SRG03	= Toluene-d8	(76-110)
SRG04	= 4-Bromofluorobenzene	(74-116)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F160000 WO #: HDPHL1AC
BATCH: 5167040

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	11	111	63- 130	
Trichloroethene	10	11	106	75- 122	
Benzene	10	10	103	80- 116	
Toluene	10	10	103	74- 119	
Chlorobenzene	10	10	103	76- 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F160000 WO #: HDPHL1AD
BATCH: 5167040

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	11	109	63- 130	
Trichloroethene	10	11	106	75- 122	
Benzene	10	10	103	80- 116	
Toluene	10	10	104	74- 119	
Chlorobenzene	10	10	102	76- 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F090000 WO #: HC9LR1AC
BATCH: 5160311

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	50	49	98	55- 142	
Trichloroethene	50	53	106	70- 131	
Benzene	50	51	102	75- 129	
Toluene	50	51	103	71- 130	
Chlorobenzene	50	51	102	75- 127	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F090000 WO #: HC9LR1AD
BATCH: 5160311

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	50	50	100	55 - 142	
Trichloroethene	50	53	106	70 - 131	
Benzene	50	50	100	75 - 129	
Toluene	50	51	102	71 - 130	
Chlorobenzene	50	50	99	75 - 127	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Matrix Spike ID: LAB MS/MSD Level:(low/med) LOW

Lot #: A5F030150 WO #: HCVAQ1AG
BATCH: 5160311

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	57	ND	54	93	43- 147	
Trichloroethene	57	7.0	60	92	46- 143	
Benzene	57	ND	53	93	55- 138	
Toluene	57	ND	53	92	46- 147	
Chlorobenzene	57	ND	48	84	49- 139	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Matrix Spike ID: LAB MS/MSD Level:(low/med) LOW

Lot #: A5F030150 WO #: HCVAQ1AH
BATCH: 5160311

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	57	53	93	0.82	27	43- 147	
Trichloroethene	57	64	99	6.2	23	46- 143	
Benzene	57	54	94	1.4	20	55- 138	
Toluene	57	56	98	5.7	24	46- 147	
Chlorobenzene	57	51	88	4.4	22	49- 139	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

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 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: A5F030321 WO #: HCW1F1AC
BATCH: 5167040

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	500	ND	550	109	62- 130	
Trichloroethene	500	ND	540	109	62- 130	
Benzene	500	ND	530	106	78- 118	
Toluene	500	71	570	99	70- 119	
Chlorobenzene	500	ND	500	101	76- 117	

NOTES(S):

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: A5F030321 WO #: HCW1F1AD
BATCH: 5167040

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	500	540	107	1.7	20	62- 130	
Trichloroethene	500	530	107	1.9	20	62- 130	
Benzene	500	510	101	4.6	20	78- 118	
Toluene	500	580	101	2.1	20	70- 119	
Chlorobenzene	500	510	101	0.55	20	76- 117	

NOTES(S):

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 5 outside limits

COMMENTS:

FORM III

BLANK WORKORDER NO.

HC9LR1AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:

Lab File ID: UX71024.D

Lot Number: A5F030312

Date Analyzed: 06/08/05

Time Analyzed: 12:31

Matrix: SOLID

Date Extracted:06/08/05

GC Column: DB 624 ID: .18

Extraction Method: 5035

Instrument ID: UX7

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	INTRA-LAB QC	HCVAQ1AD	UX71027.D	06/08/05	13:45
02	LAB MS/MSD	HCVAQ1AG S	UX71028.D	06/08/05	14:09
03	LAB MS/MSD	HCVAQ1AH D	UX71029.D	06/08/05	14:33
04	S-060205-AJ-038	HCWQF1AA	UX71045.D	06/08/05	21:05
05	CHECK SAMPLE	HC9LR1AC C	UX71022.D	06/08/05	11:42
06	DUPLICATE CHECK	HC9LR1AD L	UX71023.D	06/08/05	12:06
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

FORM IV

BLANK WORKORDER NO.

HDPHL1AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:

Lab File ID: UX94110.D

Lot Number: A5F030312

Date Analyzed: 06/15/05

Time Analyzed: 07:51

Matrix: WATER

Date Extracted:06/15/05

GC Column: DB 624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX9

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	GW-060205-AJ-037	HCWQN1AA	UX94121.D	06/15/05	11:55
02	GW-060205-AJ-039	HCWQW1AA	UX94122.D	06/15/05	12:17
03	TRIP BLANK	HCWQ01AA	UX94123.D	06/15/05	12:39
04	INTRA-LAB QC	HCW1F1AA	UX94127.D	06/15/05	14:08
05	LAB MS/MSD	HCW1F1AC S	UX94128.D	06/15/05	14:30
06	LAB MS/MSD	HCW1F1AD D	UX94129.D	06/15/05	14:53
07	CHECK SAMPLE	HDPHL1AC C	UX94109.D	06/15/05	07:29
08	DUPLICATE CHECK	HDPHL1AD L	UX94111.D	06/15/05	08:13
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COMMENTS:

FORM IV

5A

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5F030312

Lab File ID: BFB590 BFB Injection Date: 06/04/05

Instrument ID: A3UX7 BFB Injection Time: 1632

Matrix:(soil/water) SOIL Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.5
75	30.0 - 60.0% of mass 95	46.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.8
173	Less than 2.0% of mass 174	0.8 (1.0)1
174	50.0 - 100.0% of mass 95	79.1
175	5.0 - 9.0% of mass 174	5.8 (7.3)1
176	Greater than 95.0%, but less than 101.0% of mass 174	76.1 (96.2)1
177	5.0 - 9.0% of mass 176	4.2 (5.5)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD200	1000NG-IC	UX70950	06/04/05	1717
02	VSTD100	500NG-IC	UX70951	06/04/05	1741
03	VSTD050	250NG-IC	UX70952	06/04/05	1806
04	VSTD020	100NG-IC	UX70953	06/04/05	1830
05	VSTD010	50NG-IC	UX70954	06/04/05	1855
06	VSTD005	25NG-IC	UX70955	06/04/05	1919
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FORM V VOA 1/87 Rev.

5A

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5F030312

Lab File ID: BFB593 BFB Injection Date: 06/08/05

Instrument ID: A3UX7 BFB Injection Time: 1031

Matrix:(soil/water) SOIL Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.2
75	30.0 - 60.0% of mass 95	45.2
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	50.0 - 100.0% of mass 95	79.4
175	5.0 - 9.0% of mass 174	4.9 (6.1)1
176	Greater than 95.0%, but less than 101.0% of mass 174	75.6 (95.1)1
177	5.0 - 9.0% of mass 176	5.4 (7.2)2

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

THIS TUNE 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	250NG-CC	UX71021	06/08/05	1117
02	HC9LR-CHK	HC9LR1AC	UX71022	06/08/05	1142
03	HC9LR-CKDUP	HC9LR1AD	UX71023	06/08/05	1206
04	HC9LR-BLK	HC9LR1AA	UX71024	06/08/05	1231
05	S-060205-AJ-	HCWQF1AA	UX71045	06/08/05	2105
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FORM V VOA 1/87 Rev.

5A

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5F030312

Lab File ID: BFB241 BFB Injection Date: 06/13/05

Instrument ID: A3UX9 BFB Injection Time: 1852

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	27.1
75	30.0 - 60.0% of mass 95	47.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	65.8
175	5.0 - 9.0% of mass 174	4.8 (7.4)1
176	Greater than 95.0%, but less than 101.0% of mass 174	64.6 (98.1)1
177	5.0 - 9.0% of mass 176	4.6 (7.1)2

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

THIS TUNE 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	250NG-IC	UX94051	06/13/05	1937
02	VSTD020	100NG-IC	UX94052	06/13/05	1959
03	VSTD010	50NG-IC	UX94053	06/13/05	2021
04	VSTD005	25NG-IC	UX94054	06/13/05	2043
05	VSTD001	5NG-IC	UX94055	06/13/05	2106
06	VSTD0.5	2.5NG-IC	UX94056	06/13/05	2128
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FORM V VOA 1/87 Rev.

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5F030312

Lab File ID: BFB245 BFB Injection Date: 06/15/05

Instrument ID: A3UX9 BFB Injection Time: 0621

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	27.9
75	30.0 - 60.0% of mass 95	46.8
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	1.1 (1.4)1
174	50.0 - 120.0% of mass 95	77.5
175	5.0 - 9.0% of mass 174	4.9 (6.4)1
176	Greater than 95.0%, but less than 101.0% of mass 174	74.3 (95.9)1
177	5.0 - 9.0% of mass 176	5.3 (7.1)2

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

THIS TUNE 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	50NG-CC	UX94108	06/15/05	0706
02	HDPHL-CHK	HDPHL1AC	UX94109	06/15/05	0729
03	HDPHL-BLK	HDPHL1AA	UX94110	06/15/05	0751
04	HDPHL-CKDUP	HDPHL1AD	UX94111	06/15/05	0813
05	GW-060205-AJ	HCWQN1AA	UX94121	06/15/05	1155
06	GW-060205-AJ	HCWQW1AA	UX94122	06/15/05	1217
07	TRIP BLANK	HCWQ01AA	UX94123	06/15/05	1239
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FORM V VOA 1/87 Rev.

8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5F030312

Lab File ID (Standard): UX71021 Date Analyzed: 06/08/05

Instrument ID: A3UX7 Time Analyzed: 1117

Matrix:(soil/water) SOIL Level:(low/med) LOW Column:(pack/cap) CAP

		IS1 AREA #	RT	IS2(CBZ) AREA #	RT	IS3(DCB) AREA #	RT
	12 HOUR STD	1189590	4.77	778679	7.42	368341	9.65
	UPPER LIMIT	2379180	5.27	1557358	7.92	736682	10.15
	LOWER LIMIT	594795	4.27	389340	6.92	184171	9.15
	EPA SAMPLE NO.						
01	HC9LR-CHK	1129809	4.77	740789	7.42	341978	9.65
02	HC9LR-CKDUP	1068963	4.78	704158	7.42	326175	9.65
03	HC9LR-BLK	1026498	4.78	685484	7.42	294225	9.65
04	S-060205-AJ-	826104	4.77	546084	7.43	235461	9.65
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22							

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk.

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FORM VIII VOA 1/87 Rev.

8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5F030312

Lab File ID (Standard): UX94108 Date Analyzed: 06/15/05

Instrument ID: A3UX9 Time Analyzed: 0706

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

		IS1(CBZ) AREA #	RT	IS2(DCB) AREA #	RT	IS3 AREA #	RT
	12 HOUR STD	591284	7.75	252270	9.98	804867	5.10
	UPPER LIMIT	1182568	8.25	504540	10.48	1609734	5.60
	LOWER LIMIT	295642	7.25	126135	9.48	402434	4.60
	EPA SAMPLE NO.						
01	HDPHL-CHK	589258	7.75	233259	9.99	829124	5.10
02	HDPHL-BLK	543504	7.75	197073	9.99	802858	5.10
03	HDPHL-CKDUP	593716	7.75	241148	9.99	827391	5.10
04	GW-060205-AJ	531829	7.75	200917	9.98	769096	5.10
05	GW-060205-AJ	542616	7.75	191516	9.98	772087	5.10
06	TRIP BLANK	525397	7.75	186244	9.99	742622	5.10
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IS1 (CBZ) = Chlorobenzene-d5
IS2 (DCB) = 1,4-Dichlorobenzene-d4
IS3 = Fluorobenzene

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk.

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FORM VIII VOA 1/87 Rev.

SAMPLE DATA

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-060205-AJ-038

GC/MS Volatiles

Lot-Sample #...: A5F030312-001 **Work Order #...:** HCWQF1AA **Matrix.....:** SO
Date Sampled...: 06/02/05 10:08 **Date Received..:** 06/03/05
Prep Date.....: 06/08/05 **Analysis Date..:** 06/08/05
Prep Batch #...: 5160311
Dilution Factor: 1.08 **Initial Wgt/Vol:** 5 g **Final Wgt/Vol..:** 5 mL
% Moisture.....: 3.6 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**4.2 J**	**22**	**ug/kg**
Benzene	ND	5.6	ug/kg
Bromodichloromethane	ND	5.6	ug/kg
Bromoform	ND	5.6	ug/kg
Bromomethane	ND	5.6	ug/kg
2-Butanone	ND	22	ug/kg
Carbon disulfide	**0.29 J,B**	**5.6**	**ug/kg**
Carbon tetrachloride	ND	5.6	ug/kg
Chlorobenzene	ND	5.6	ug/kg
Chloroethane	ND	5.6	ug/kg
Chloroform	ND	5.6	ug/kg
Chloromethane	ND	5.6	ug/kg
Cyclohexane	ND	11	ug/kg
Dibromochloromethane	ND	5.6	ug/kg
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg
1,2-Dibromoethane	ND	5.6	ug/kg
1,2-Dichlorobenzene	ND	5.6	ug/kg
1,3-Dichlorobenzene	ND	5.6	ug/kg
1,4-Dichlorobenzene	ND	5.6	ug/kg
Dichlorodifluoromethane	ND	5.6	ug/kg
1,1-Dichloroethane	ND	5.6	ug/kg
1,2-Dichloroethane	ND	5.6	ug/kg
1,1-Dichloroethene	ND	5.6	ug/kg
cis-1,2-Dichloroethene	ND	5.6	ug/kg
trans-1,2-Dichloroethene	ND	5.6	ug/kg
1,2-Dichloropropane	ND	5.6	ug/kg
cis-1,3-Dichloropropene	ND	5.6	ug/kg
trans-1,3-Dichloropropene	ND	5.6	ug/kg
Ethylbenzene	ND	5.6	ug/kg
2-Hexanone	ND	22	ug/kg
Isopropylbenzene	ND	5.6	ug/kg
Methyl acetate	ND	11	ug/kg
Methylene chloride	ND	5.6	ug/kg
Methylcyclohexane	ND	11	ug/kg
4-Methyl-2-pentanone	ND	22	ug/kg
Methyl tert-butyl ether	ND	22	ug/kg
Styrene	ND	5.6	ug/kg

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-060205-AJ-038

GC/MS Volatiles

Lot-Sample #...: A5F030312-001 **Work Order #...:** HCWQF1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	5.6	ug/kg
Tetrachloroethene	ND	5.6	ug/kg
Toluene	ND	5.6	ug/kg
1,2,4-Trichloro-benzene	ND	5.6	ug/kg
1,1,1-Trichloroethane	ND	5.6	ug/kg
1,1,2-Trichloroethane	ND	5.6	ug/kg
Trichloroethene	ND	5.6	ug/kg
Trichlorofluoromethane	ND	5.6	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.6	ug/kg
Vinyl chloride	ND	5.6	ug/kg
Xylenes (total)	ND	11	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(59 - 138)
1,2-Dichloroethane-d4	94	(61 - 130)
Toluene-d8	86	(60 - 143)
4-Bromofluorobenzene	76	(47 - 158)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71045.D
Report Date: 09-Jun-2005 12:19

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71045.D
Lab Smp Id: HCWQF1AA Client Smp ID: S-060205-AJ-038
Inj Date : 08-JUN-2005 21:05
Operator : 2807 Inst ID: a3ux7.i
Smp Info : HCWQF1AA,4.63G/5ML
Misc Info : U50608A,8260SUX7,1-8260.SUB,2807
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\8260SUX7.m
Meth Date : 08-Jun-2005 10:36 macenczaks Quant Type: ISTD
Cal Date : 04-JUN-2005 18:06 Cal File: UX70952.D
Als bottle: 26
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	4.630	Sample Volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Fluorobenzene	96	4.774	4.771	(1.000)	826104	250.000	
* 2 Chlorobenzene-d5	117	7.427	7.418	(1.000)	546084	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.653	9.650	(1.000)	235461	250.000	
$ 4 Dibromofluoromethane	113	4.214	4.212	(0.883)	201252	238.907	51.600
$ 5 1,2-Dichloroethane-d4	65	4.494	4.492	(0.941)	225605	235.441	50.851
$ 6 Toluene-d8	98	6.125	6.122	(1.283)	776021	213.829	46.183
$ 7 Bromofluorobenzene	95	8.528	8.525	(1.148)	244262	190.091	41.056
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.481	2.472	(0.520)	19249	18.5745	4.012
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.633	2.630	(0.551)	4452	1.28528	0.2776
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

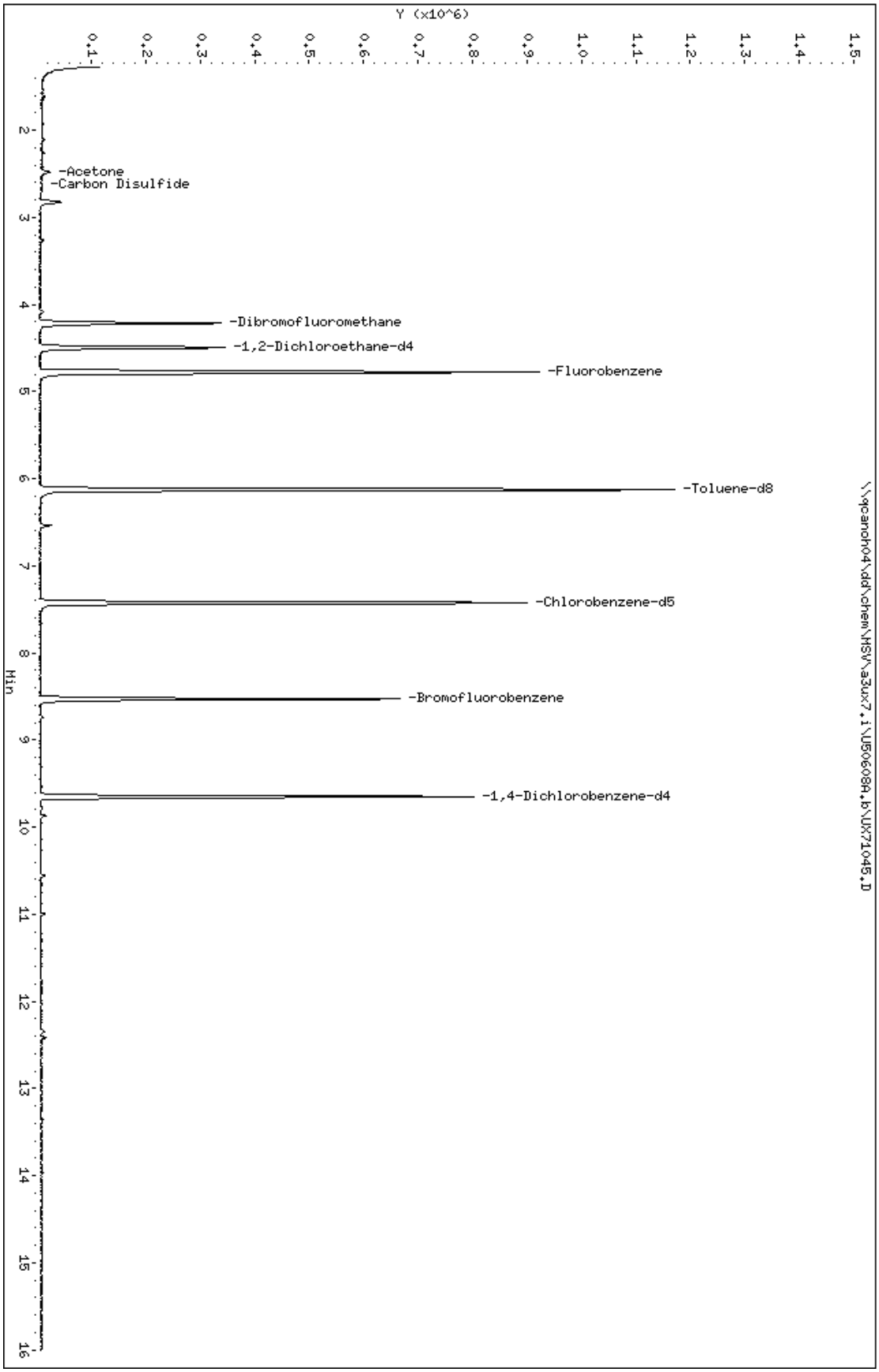
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71045.D
Report Date: 09-Jun-2005 12:19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71045.D
Report Date: 09-Jun-2005 12:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					


Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71045.D
Date : 08-JUN-2005 21:05
Client ID: S-060205-AJ-038
Sample Info: HCWQF1AA,4.63G/5ML
Purge Volume: 4.6
Column Phase: DB624
Instrument: a3ux7.i
Operator: 2807
Column diameter: 0.18
\\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71045.D
Y (x10^6)
Min
-Acetone
-Carbon Disulfide
-Dibromofluoromethane
-1,2-Dichloroethane-d4
-Fluorobenzene
-Toluene-d8
-Chlorobenzene-d5
-Bromofluorobenzene
-1,4-Dichlorobenzene-d4

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71045.D

Date : 08-JUN-2005 21:05

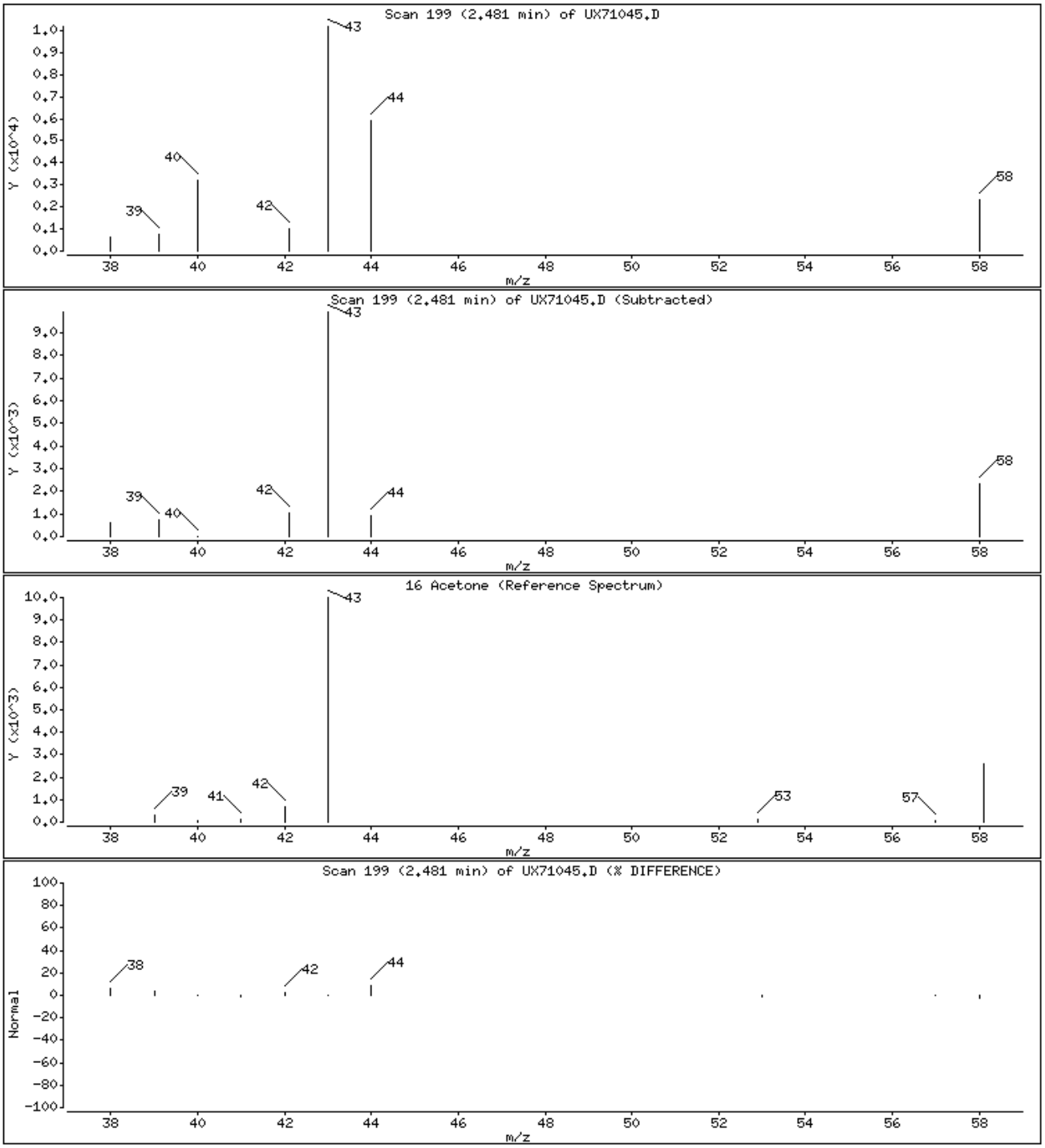
Client ID: S-060205-AJ-038 Instrument: a3ux7.i

Sample Info: HCWQF1AA,4.63G/5ML

Purge Volume: 4.6 Operator: 2807

Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 4.012 UG/KG



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71045.D

Date : 08-JUN-2005 21:05

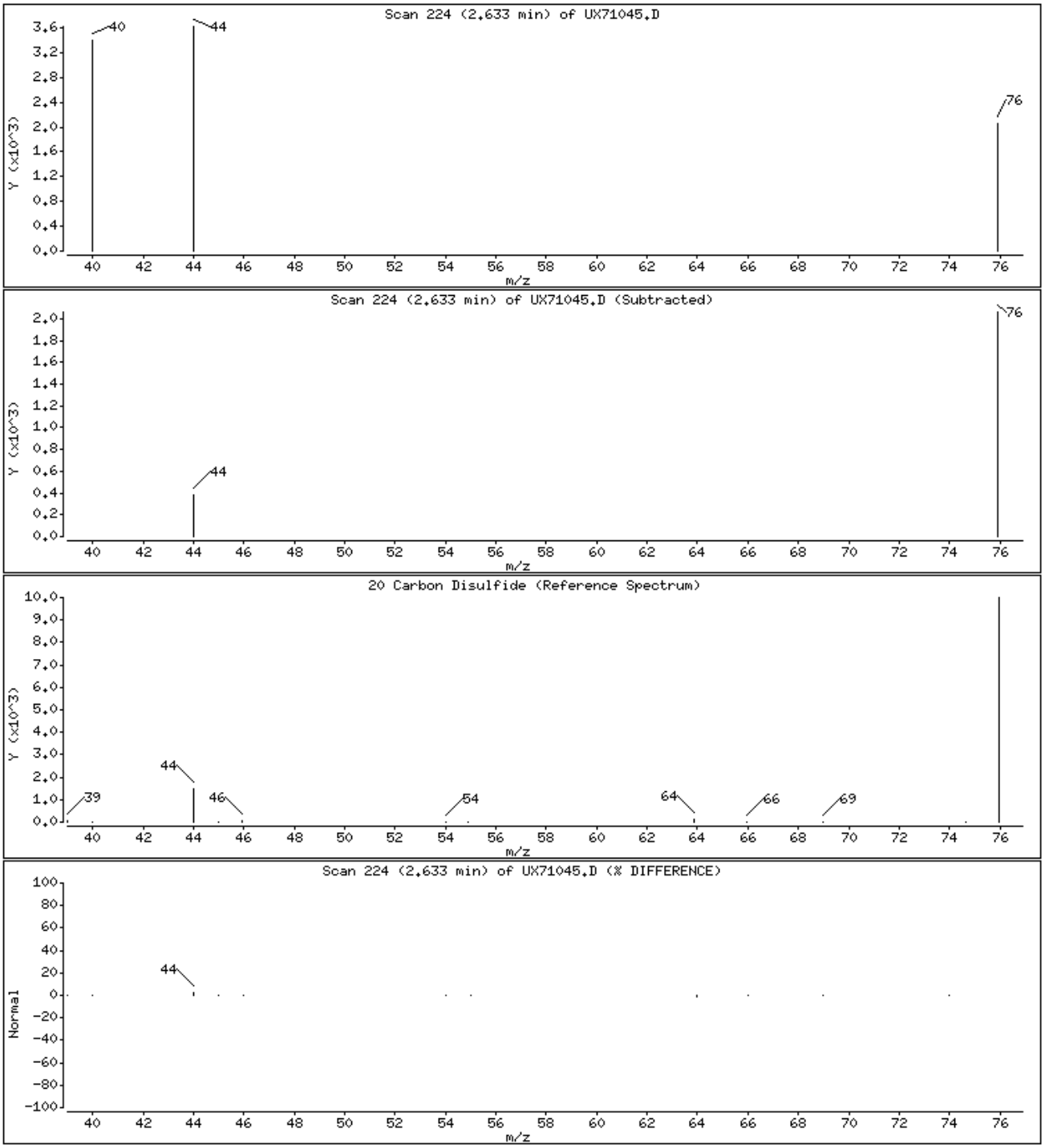
Client ID: S-060205-AJ-038 Instrument: a3ux7.i

Sample Info: HCWQF1AA,4.63G/5ML

Purge Volume: 4.6 Operator: 2807

Column phase: DB624 Column diameter: 0.18

20 Carbon Disulfide Concentration: 0.2776 UG/KG



Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-060205-AJ-037

GC/MS Volatiles

Lot-Sample #...: A5F030312-002 **Work Order #...:** HCWQN1AA **Matrix.....:** WG
Date Sampled...: 06/02/05 13:58 **Date Received..:** 06/03/05
Prep Date.....: 06/15/05 **Analysis Date..:** 06/15/05
Prep Batch #...: 5167040
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**2.2 J,B**	**10**	**ug/L**
Benzene	ND	1.0	ug/L
Bromodichloromethane	**1.8**	**1.0**	**ug/L**
Bromoform	**1.3**	**1.0**	**ug/L**
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	**1.2**	**1.0**	**ug/L**
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	**2.2**	**1.0**	**ug/L**
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-060205-AJ-037

GC/MS Volatiles

Lot-Sample #...: A5F030312-002 **Work Order #...:** HCWQN1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
Toluene-d8	106	(76 - 110)
4-Bromofluorobenzene	89	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94121.D
Report Date: 16-Jun-2005 08:05

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94121.D
Lab Smp Id: HCWQN1AA Client Smp ID: GW-060205-AJ-037
Inj Date : 15-JUN-2005 11:55
Operator : 1819 Inst ID: a3ux9.i
Smp Info : HCWQN1AA,5ML/5ML
Misc Info : N50615A,8260MIUX9,2-8260.SUB,1819
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50615A.b\8260MIUX9.m
Meth Date : 15-Jun-2005 07:22 Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	769096	50.0000	
* 2 Chlorobenzene-d5	117	7.747	7.748	(1.000)	531829	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	200917	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	169525	54.4700	10.894
$ 5 1,2-Dichloroethane-d4	65	4.824	4.825	(0.947)	217151	50.8516	10.170
$ 6 Toluene-d8	98	6.446	6.446	(0.832)	805976	53.1754	10.635
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	242840	44.3659	8.873
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.789	2.790	(0.547)	28694	10.9710	2.194
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94121.D
Report Date: 16-Jun-2005 08:05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	3.594	3.583	(0.705)	5160	0.62290	0.1246
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.410	4.411	(0.865)	39622	6.18611	1.237
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.818	5.819	(1.142)	40603	9.16022	1.832
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.505	6.506	(0.840)	15348	0.81900	0.1638
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	7.215	7.216	(0.931)	28157	11.0045	2.201
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	8.540	8.553	(1.102)	4820	6.48476	1.297
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

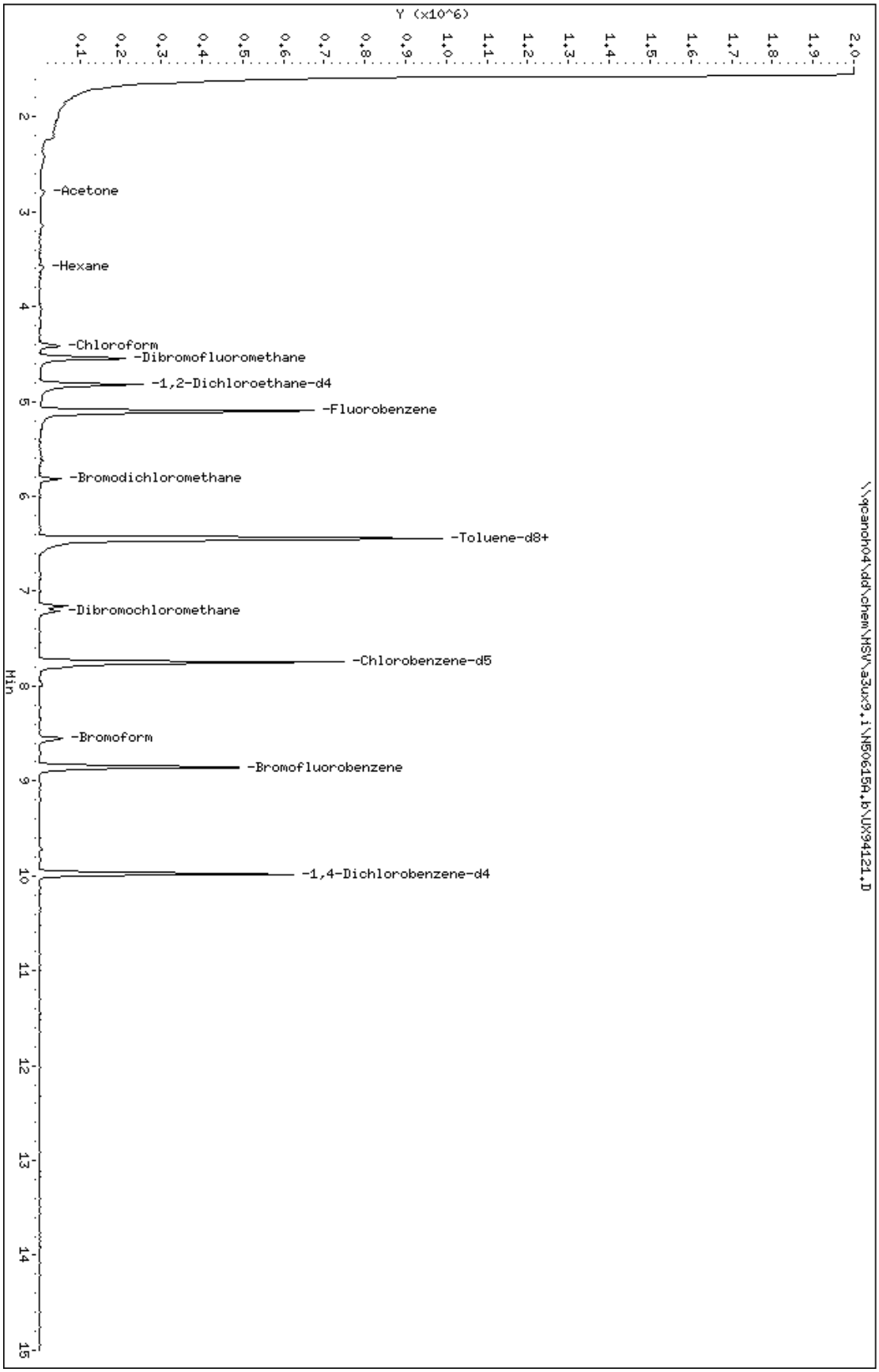
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94121.D
Report Date: 16-Jun-2005 08:05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94121.D
Date : 15-JUN-2005 11:55
Client ID: GW-060205-AJ-037
Sample Info: HCWQN1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18



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Date : 15-JUN-2005 11:55

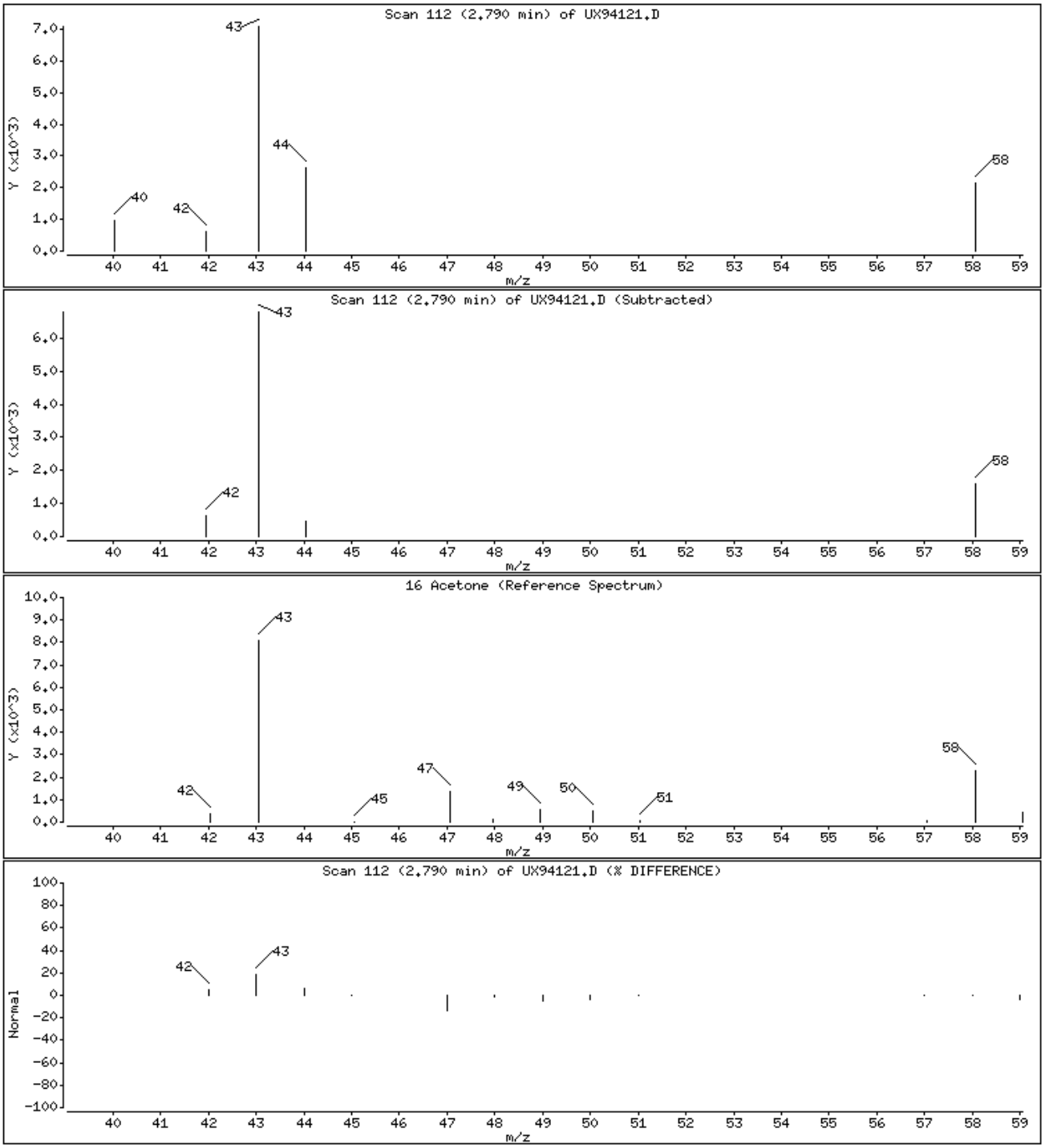
Client ID: GW-060205-AJ-037 Instrument: a3ux9.i

Sample Info: HCWQN1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 2.194 ug/L



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Date : 15-JUN-2005 11:55

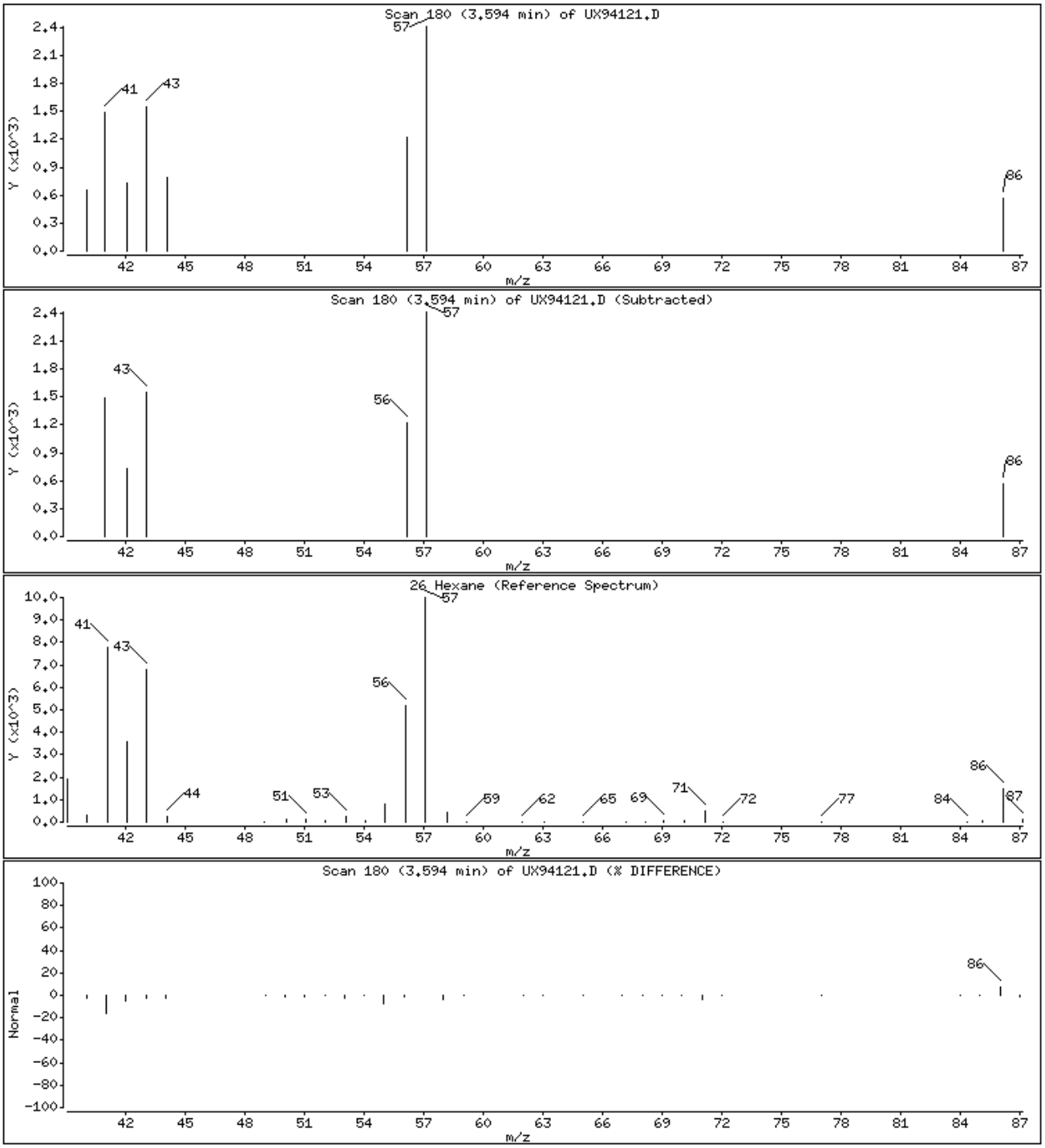
Client ID: GW-060205-AJ-037 Instrument: a3ux9.i

Sample Info: HCWQN1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

26 Hexane Concentration: 0.1246 ug/L



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Date : 15-JUN-2005 11:55

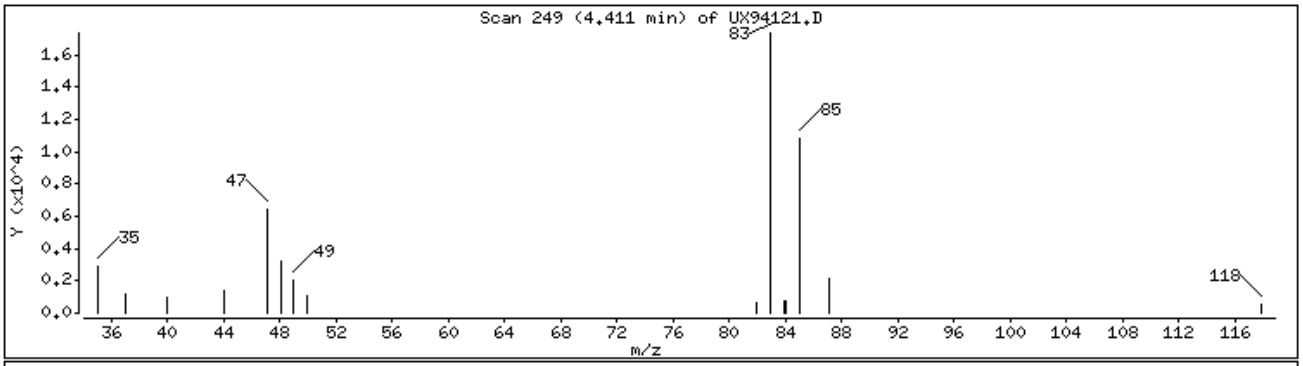
Client ID: GW-060205-AJ-037 Instrument: a3ux9.i

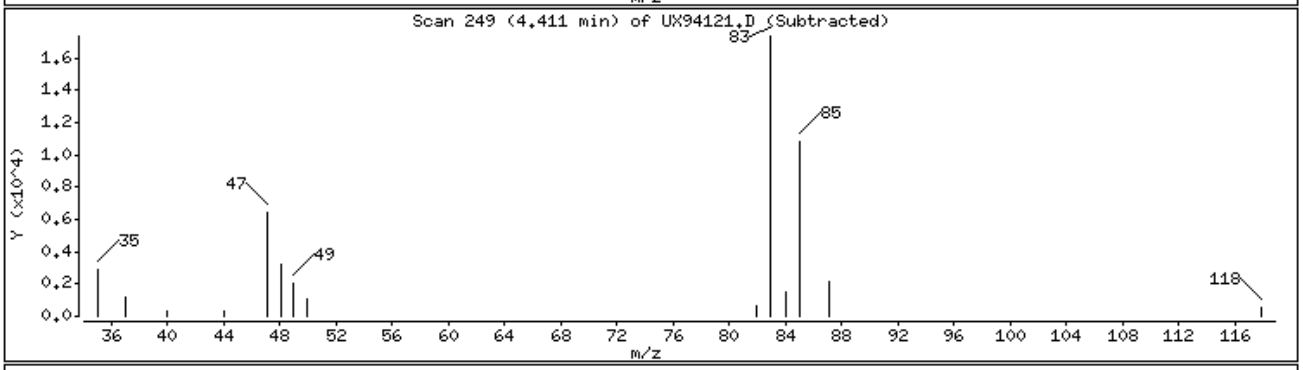
Sample Info: HCWQN1AA,5ML/5ML

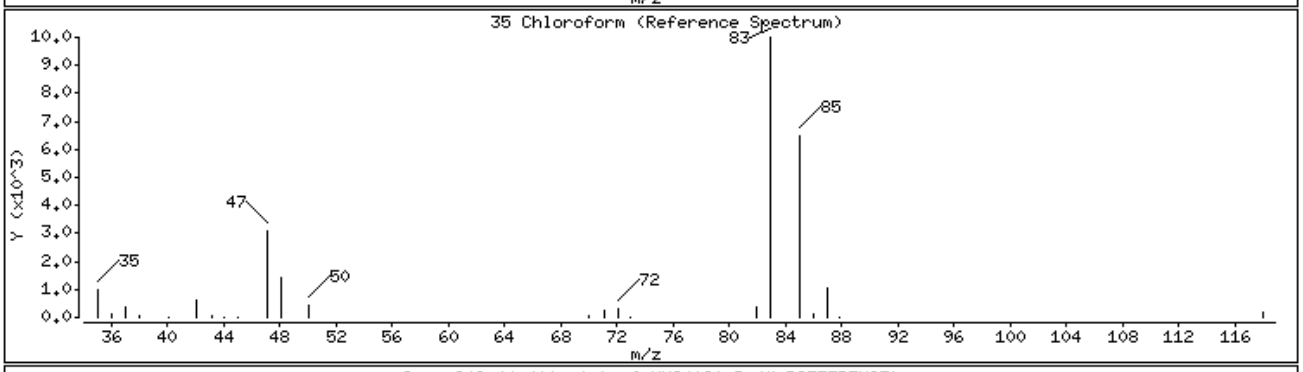
Purge Volume: 5.0 Operator: 1819

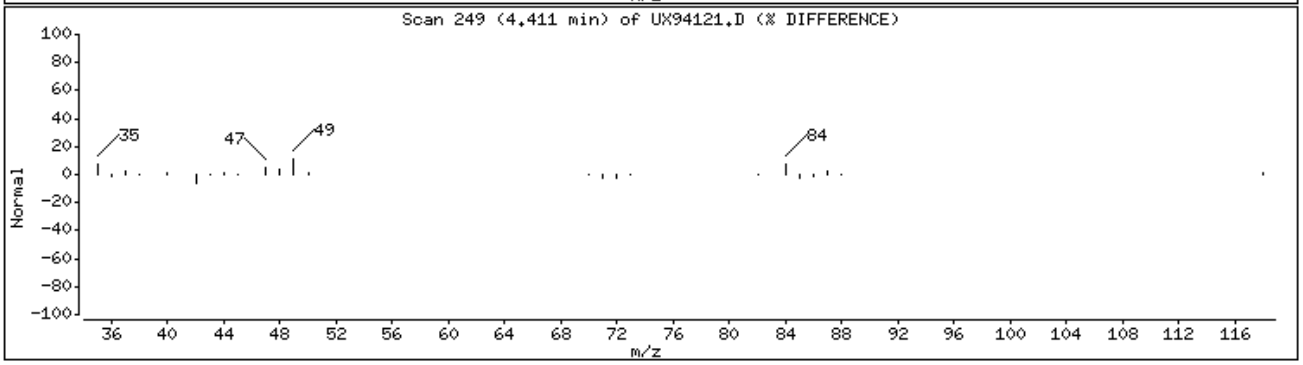
Column phase: DB624 Column diameter: 0.18

35 Chloroform Concentration: 1.237 ug/L









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Date : 15-JUN-2005 11:55

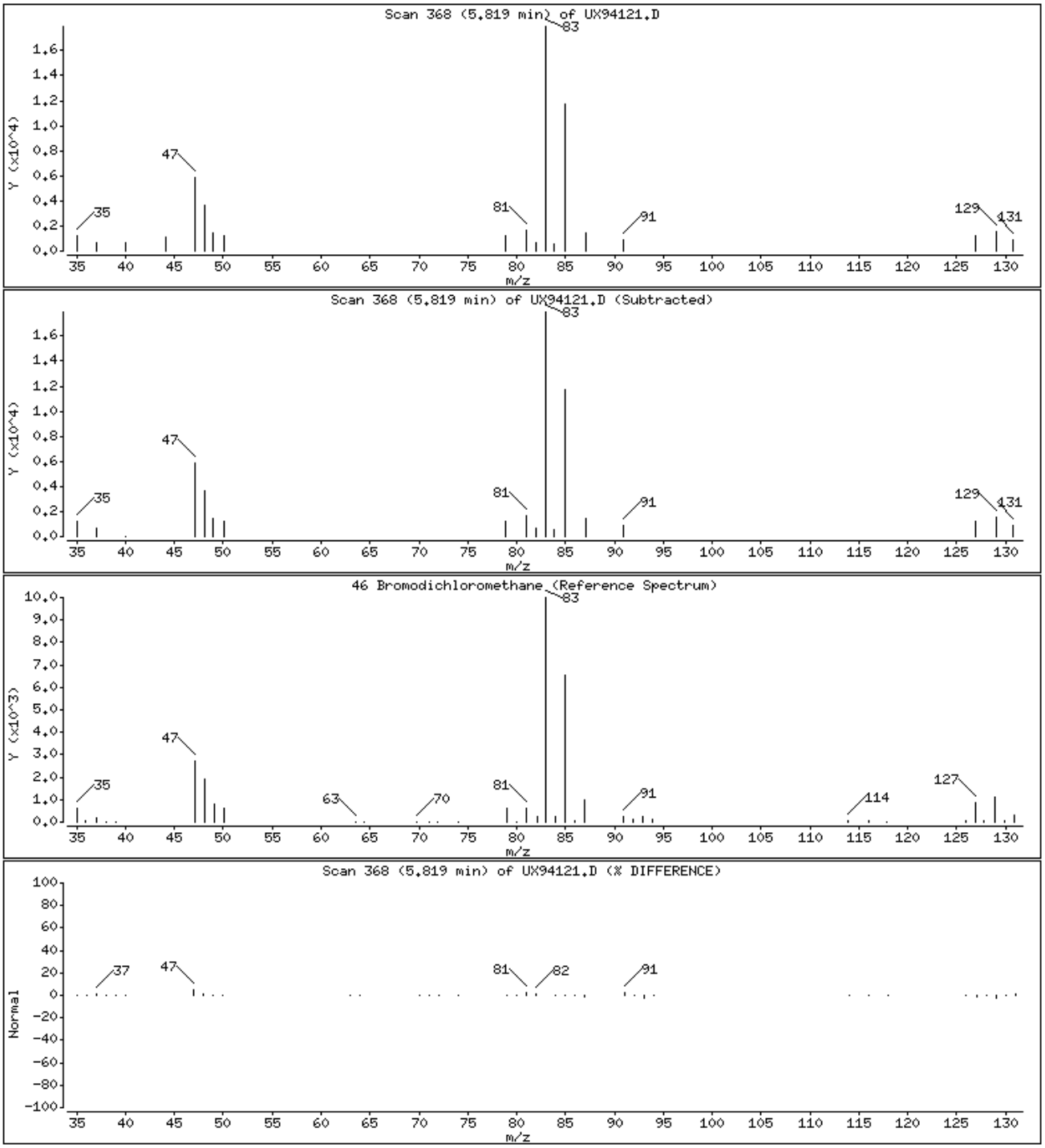
Client ID: GW-060205-AJ-037 Instrument: a3ux9.i

Sample Info: HCWQN1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

46 Bromodichloromethane Concentration: 1.832 ug/L



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Date : 15-JUN-2005 11:55

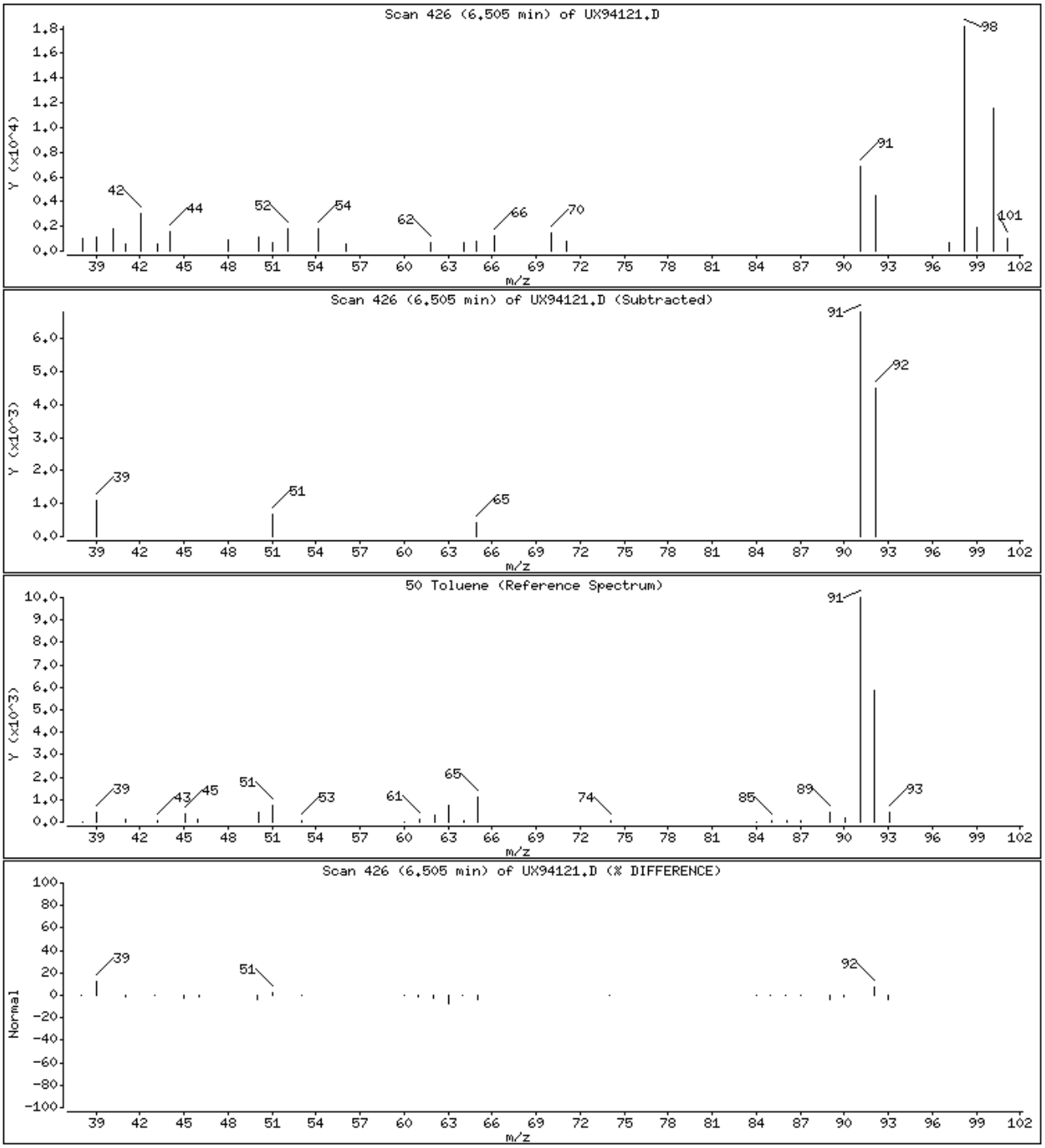
Client ID: GW-060205-AJ-037 Instrument: a3ux9.i

Sample Info: HCWQN1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 0.1638 ug/L



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Date : 15-JUN-2005 11:55

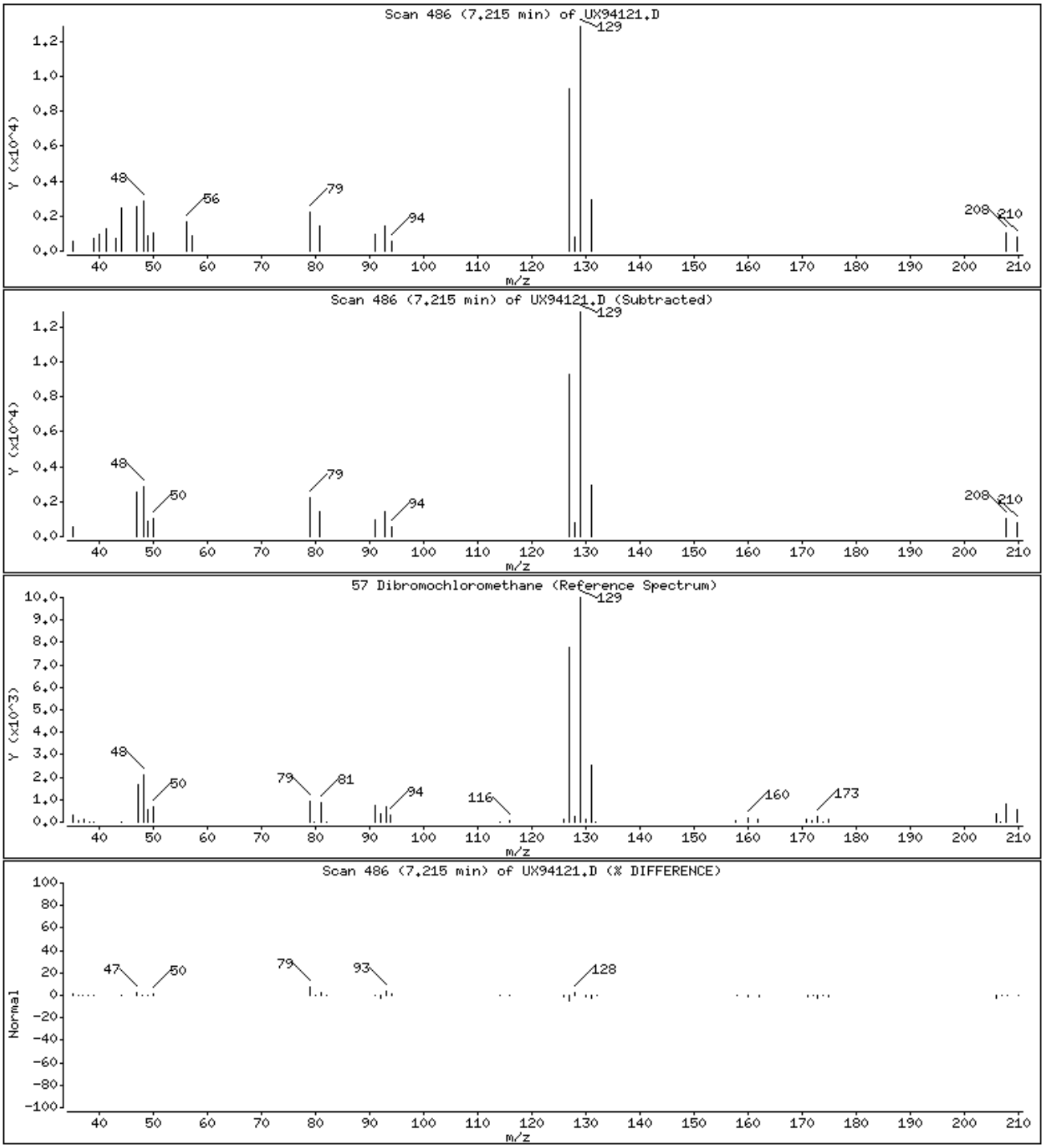
Client ID: GW-060205-AJ-037 Instrument: a3ux9.i

Sample Info: HCWQN1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

57 Dibromochloromethane Concentration: 2.201 ug/L



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Date : 15-JUN-2005 11:55

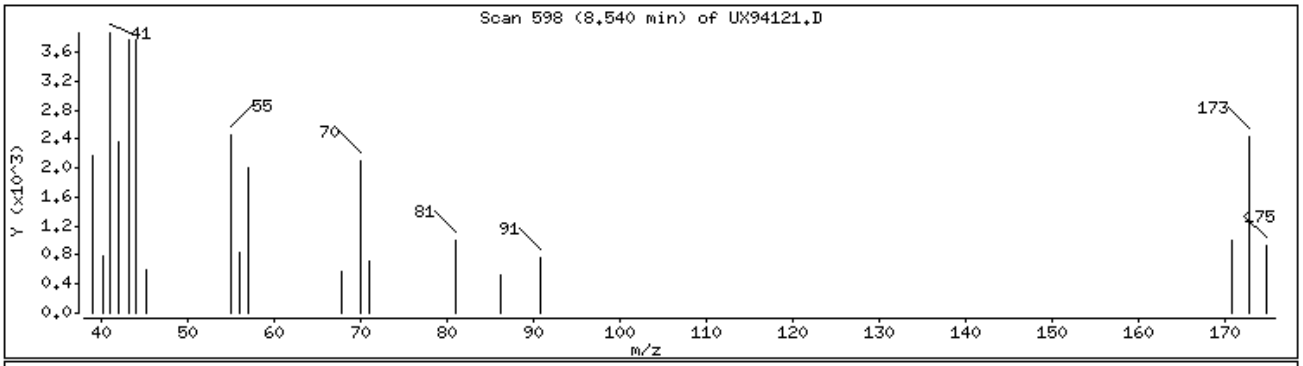
Client ID: GW-060205-AJ-037 Instrument: a3ux9.i

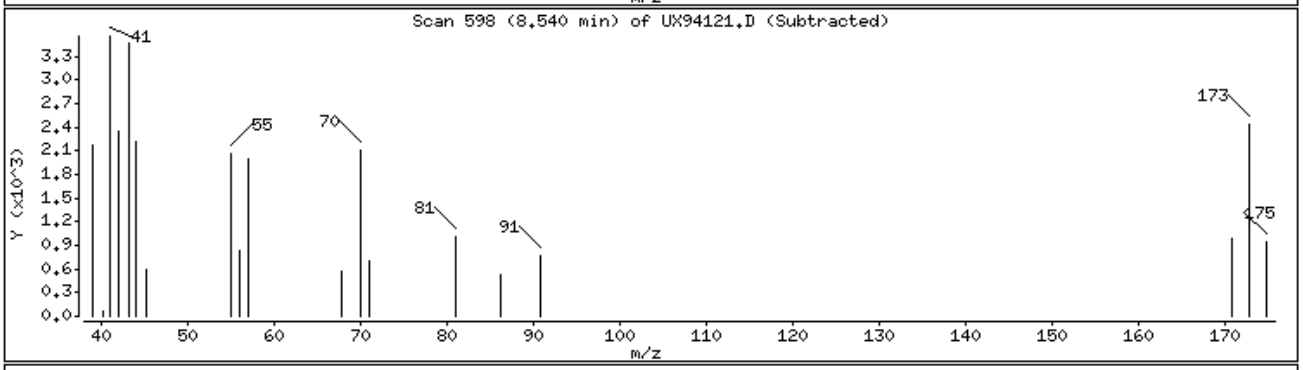
Sample Info: HCWQN1AA,5ML/5ML

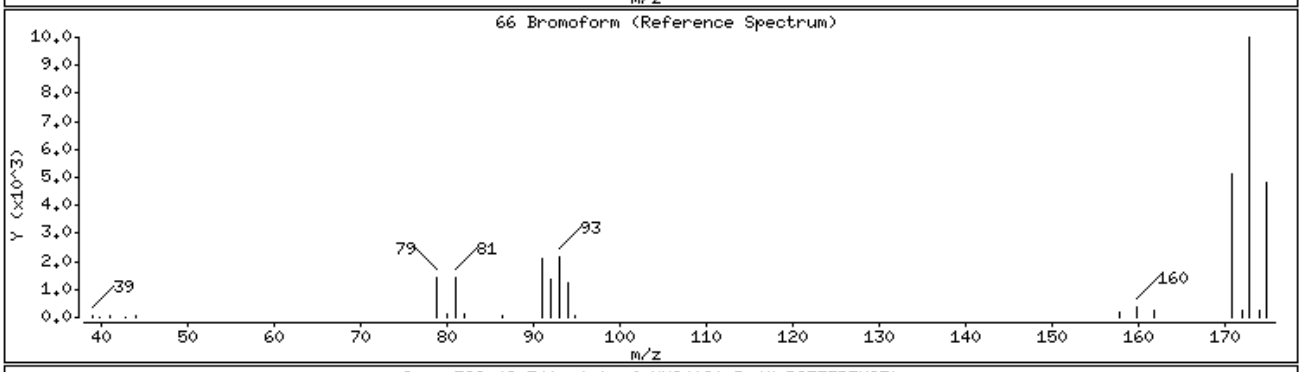
Purge Volume: 5.0 Operator: 1819

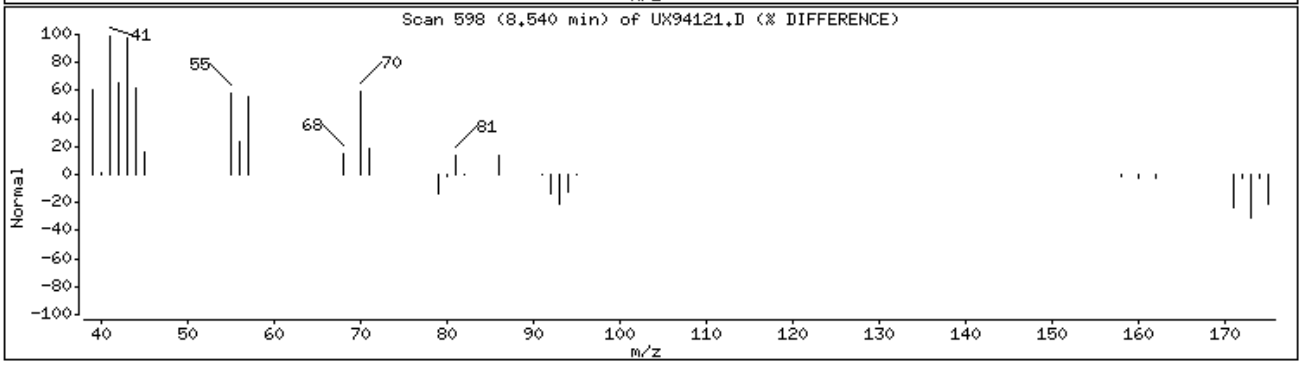
Column phase: DB624 Column diameter: 0.18

66 Bromoform Concentration: 1.297 ug/L









Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-060205-AJ-039

GC/MS Volatiles

Lot-Sample #...: A5F030312-003 **Work Order #...:** HCWQW1AA **Matrix.....:** WG
Date Sampled...: 06/02/05 16:45 **Date Received..:** 06/03/05
Prep Date.....: 06/15/05 **Analysis Date..:** 06/15/05
Prep Batch #...: 5167040
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**2.1 J,B**	**10**	**ug/L**
Benzene	ND	1.0	ug/L
Bromodichloromethane	**2.2**	**1.0**	**ug/L**
Bromoform	**1.5**	**1.0**	**ug/L**
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	**0.62 J**	**1.0**	**ug/L**
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	**1.5**	**1.0**	**ug/L**
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	**2.9**	**1.0**	**ug/L**
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-060205-AJ-039

GC/MS Volatiles

Lot-Sample #...: A5F030312-003 **Work Order #...:** HCWQW1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**0.48 J**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	110	(73 - 122)
1,2-Dichloroethane-d4	101	(61 - 128)
Toluene-d8	104	(76 - 110)
4-Bromofluorobenzene	86	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94122.D
Report Date: 16-Jun-2005 08:06

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94122.D
Lab Smp Id: HCWQW1AA Client Smp ID: GW-060205-AJ-039
Inj Date : 15-JUN-2005 12:17
Operator : 1819 Inst ID: a3ux9.i
Smp Info : HCWQW1AA,5ML/5ML
Misc Info : N50615A,8260MIUX9,2-8260.SUB,1819
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50615A.b\8260MIUX9.m
Meth Date : 15-Jun-2005 07:22 Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	772087	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	542616	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	191516	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	172508	55.2138	11.043
$ 5 1,2-Dichloroethane-d4	65	4.825	4.825	(0.947)	215791	50.3374	10.067
$ 6 Toluene-d8	98	6.446	6.446	(0.832)	804425	52.0180	10.404
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	238943	42.7861	8.557
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.790	2.790	(0.547)	27799	10.5877	2.118
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.956	2.968	(0.580)	39548	3.10701	0.6214
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94122.D
Report Date: 16-Jun-2005 08:06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.411	4.411	(0.865)	46941	7.30042	1.460
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.884	4.884	(0.958)	11745	0.65411	0.1308
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.819	5.819	(1.142)	49641	11.1558	2.231
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.506	6.506	(0.840)	14190	0.74215	0.1484
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.003	7.003	(0.904)	8045	2.40102	0.4802
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	7.216	7.216	(0.931)	40810	14.7473	2.949
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	7.985	7.973	(1.031)	14694	0.89675	0.1793
M	63 Xylenes (total)	91				14694	0.89675	0.1793
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	8.541	8.553	(1.102)	6909	7.54993	1.510
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

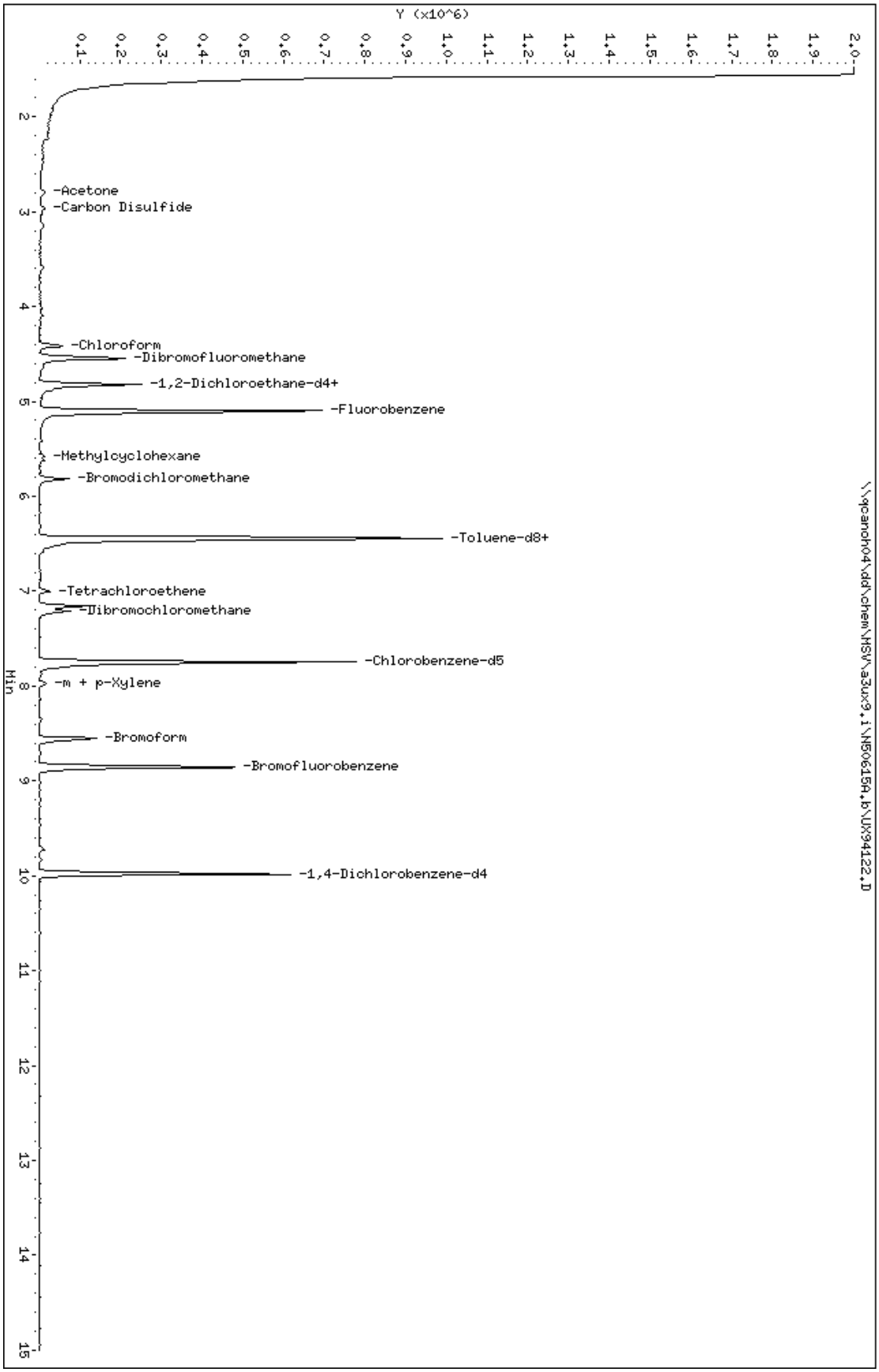
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94122.D
Report Date: 16-Jun-2005 08:06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	5.583	5.583	(1.095)	4090	0.50040	0.1001
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94122.D
Date : 15-JUN-2005 12:17
Client ID: GW-060205-AJ-039
Sample Info: HCWQW1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18



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Date : 15-JUN-2005 12:17

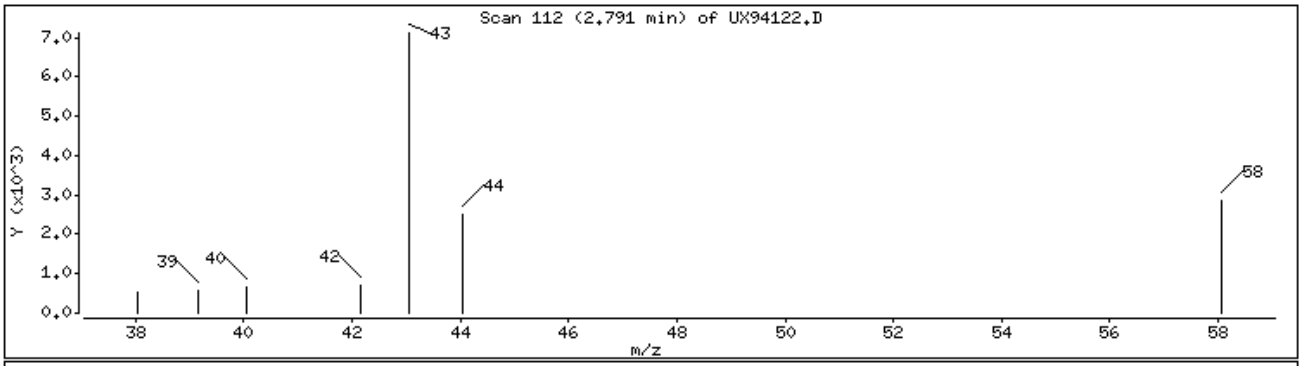
Client ID: GW-060205-AJ-039 Instrument: a3ux9.i

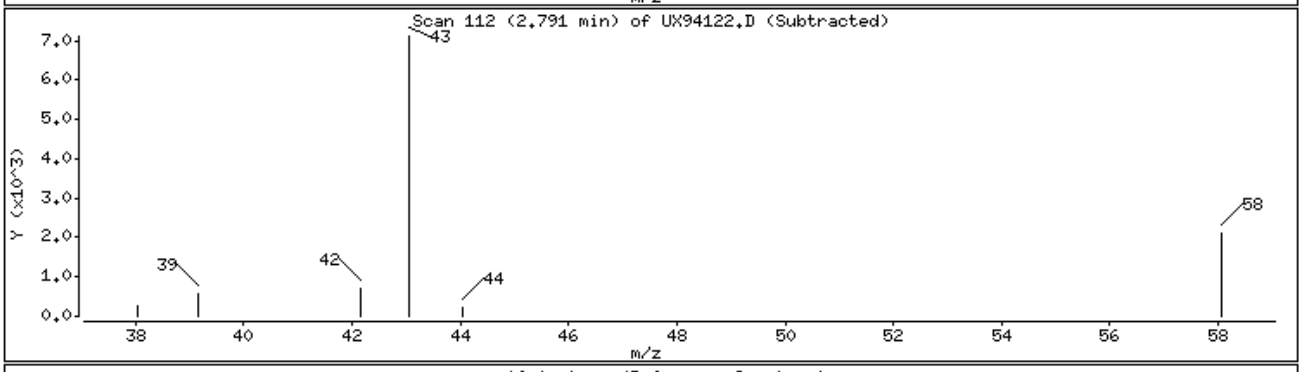
Sample Info: HCWQW1AA,5ML/5ML

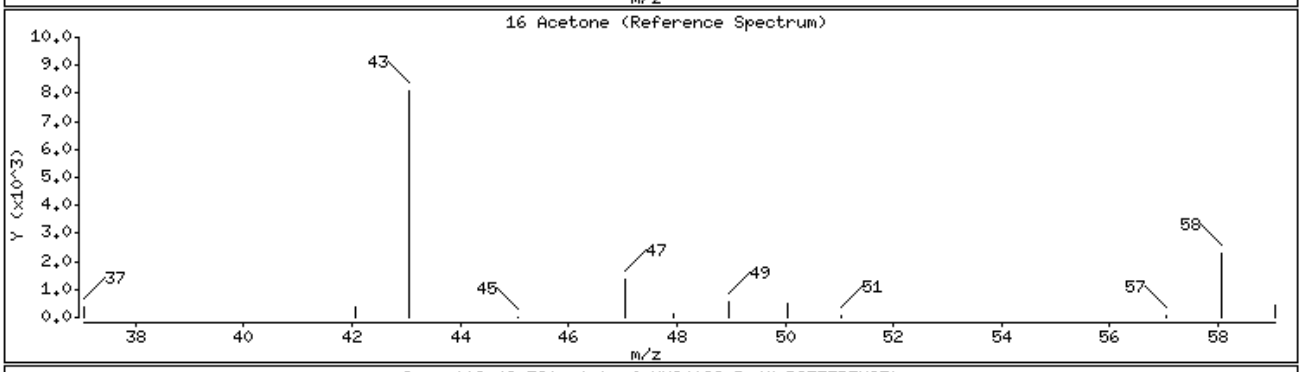
Purge Volume: 5.0 Operator: 1819

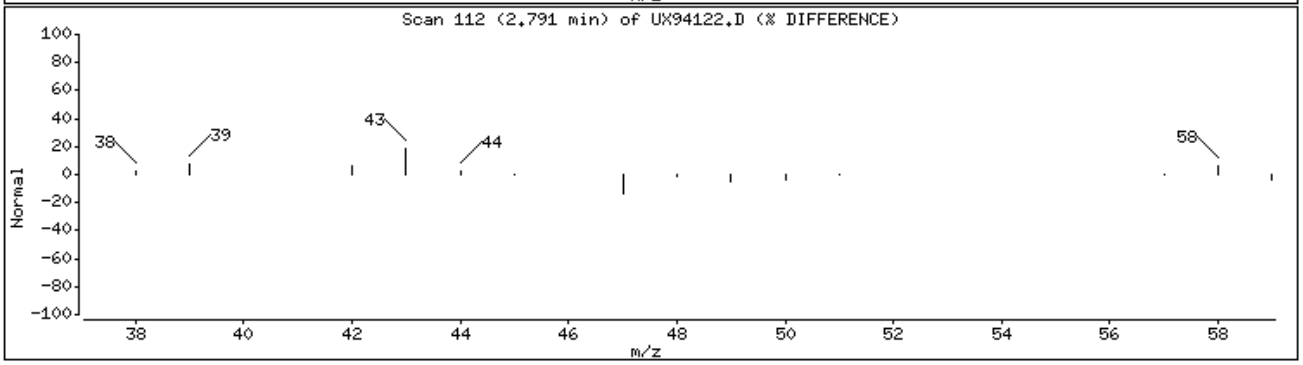
Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 2.118 ug/L









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Date : 15-JUN-2005 12:17

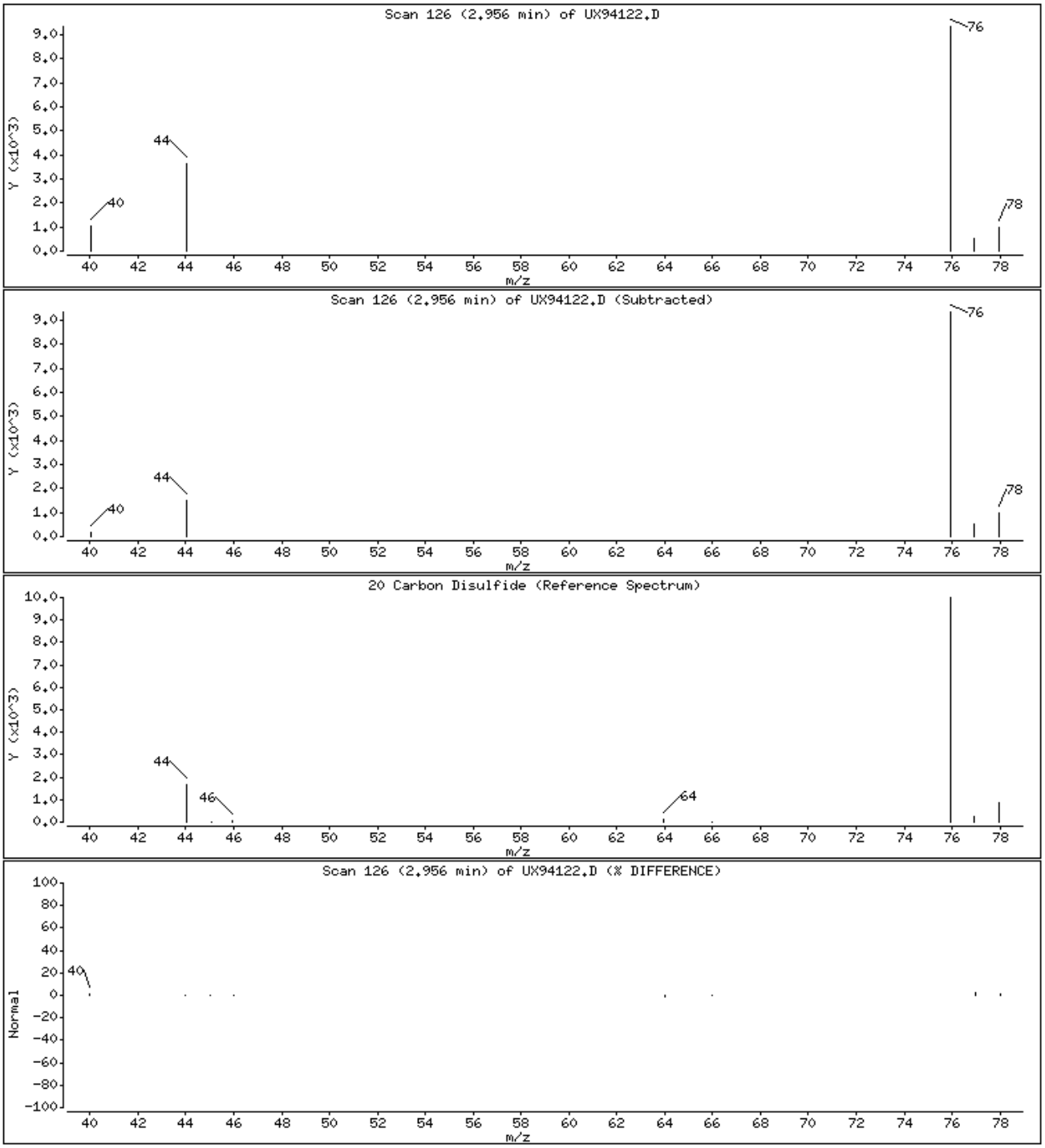
Client ID: GW-060205-AJ-039 Instrument: a3ux9.i

Sample Info: HCWQW1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

20 Carbon Disulfide Concentration: 0.6214 ug/L



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Date : 15-JUN-2005 12:17

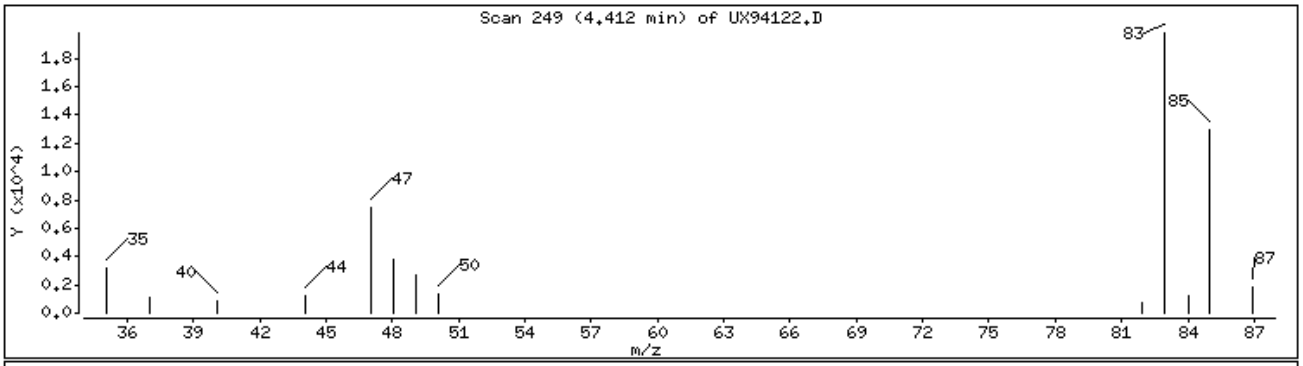
Client ID: GW-060205-AJ-039 Instrument: a3ux9.i

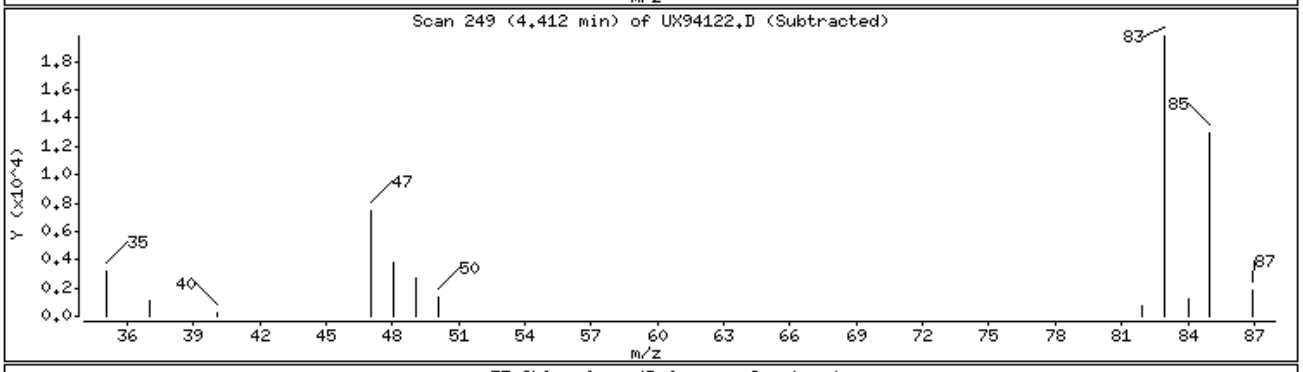
Sample Info: HCWQW1AA,5ML/5ML

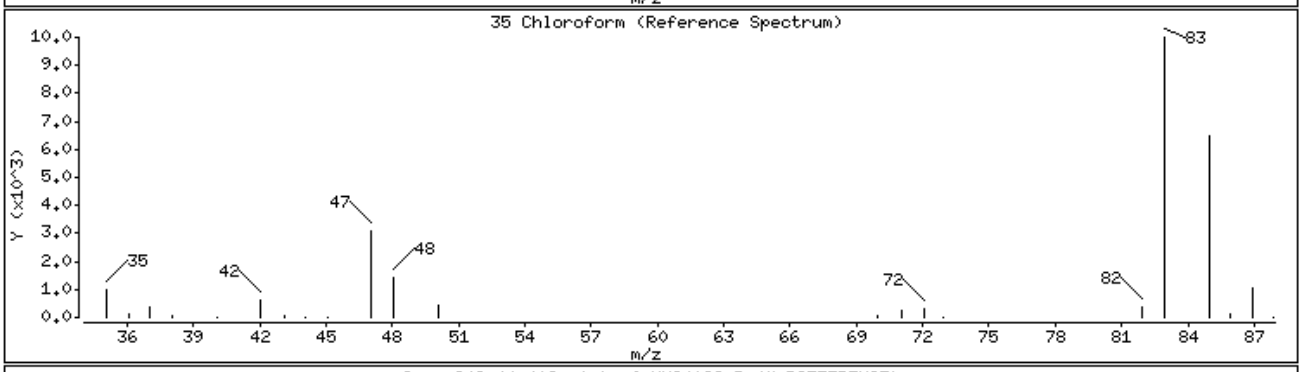
Purge Volume: 5.0 Operator: 1819

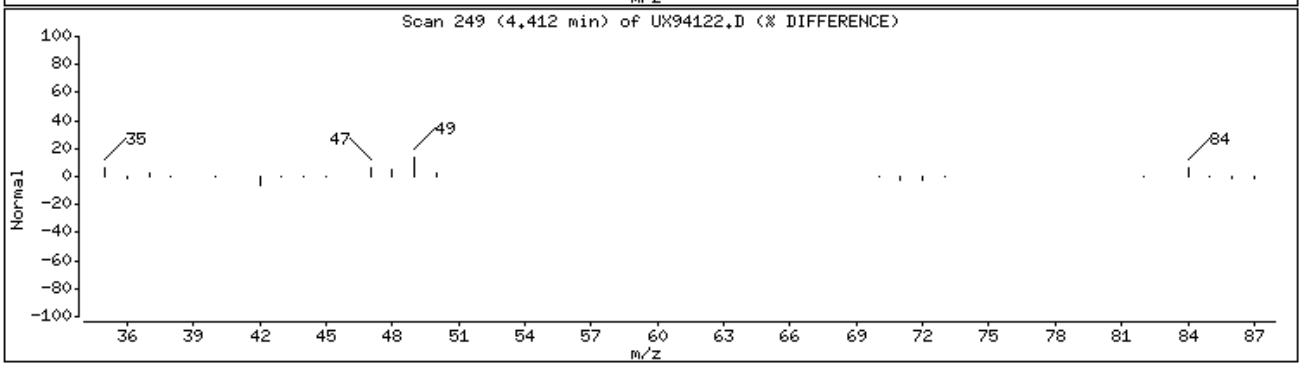
Column phase: DB624 Column diameter: 0.18

35 Chloroform Concentration: 1.460 ug/L









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Date : 15-JUN-2005 12:17

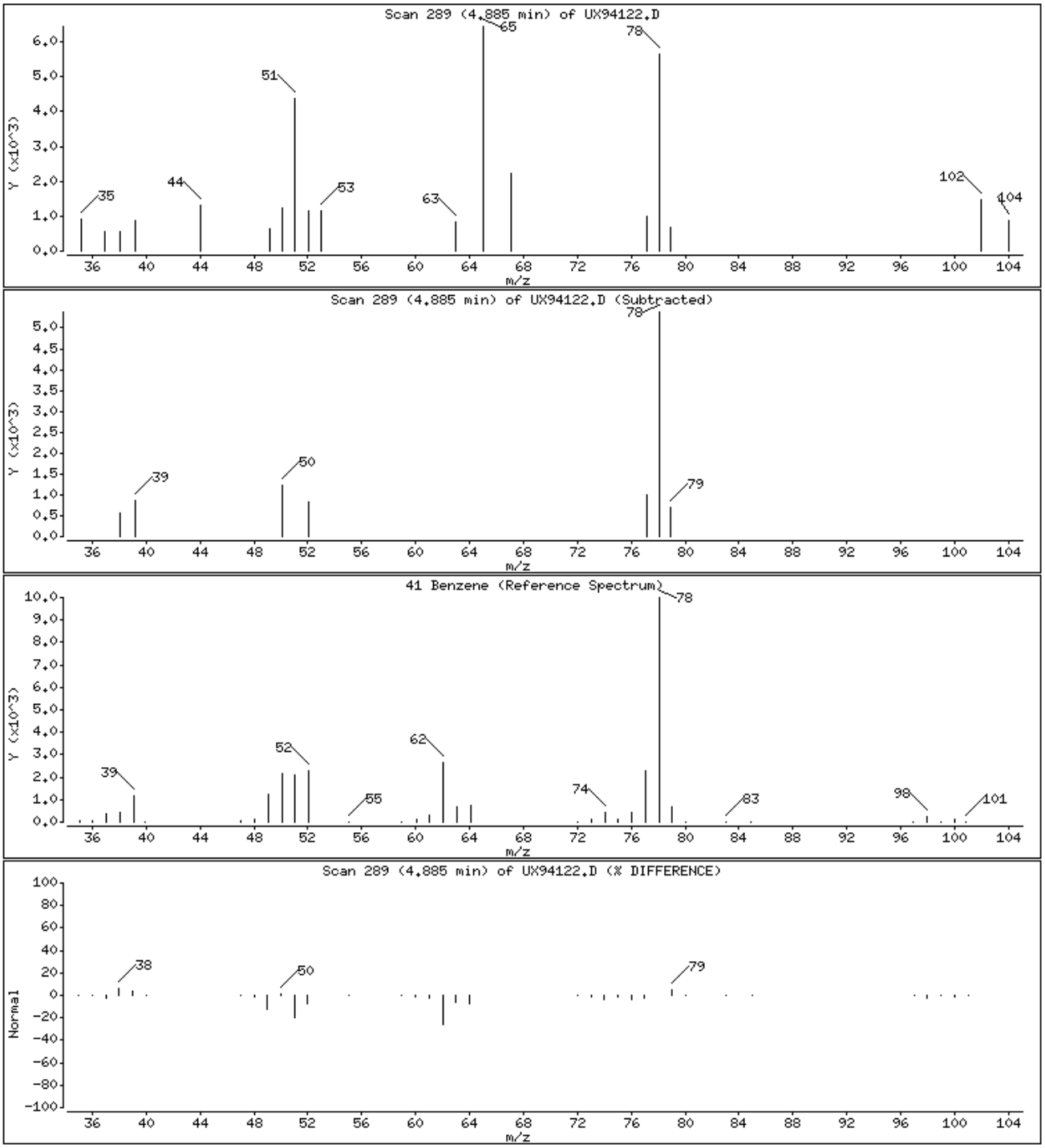
Client ID: GW-060205-AJ-039 Instrument: a3ux9.i

Sample Info: HCWQW1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 0.1308 ug/L



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Date : 15-JUN-2005 12:17

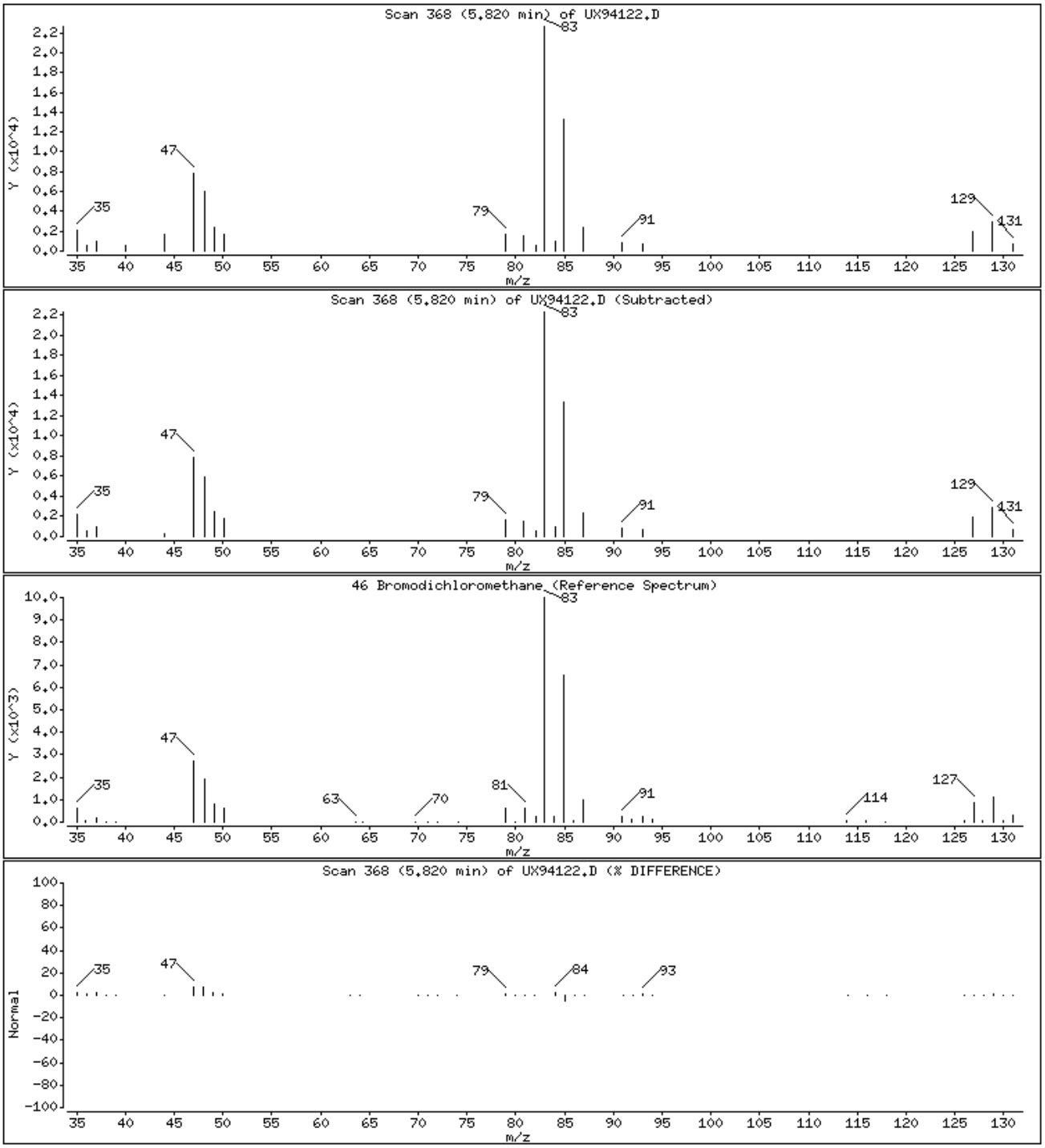
Client ID: GW-060205-AJ-039 Instrument: a3ux9.i

Sample Info: HCWQW1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

46 Bromodichloromethane Concentration: 2.231 ug/L



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Date : 15-JUN-2005 12:17

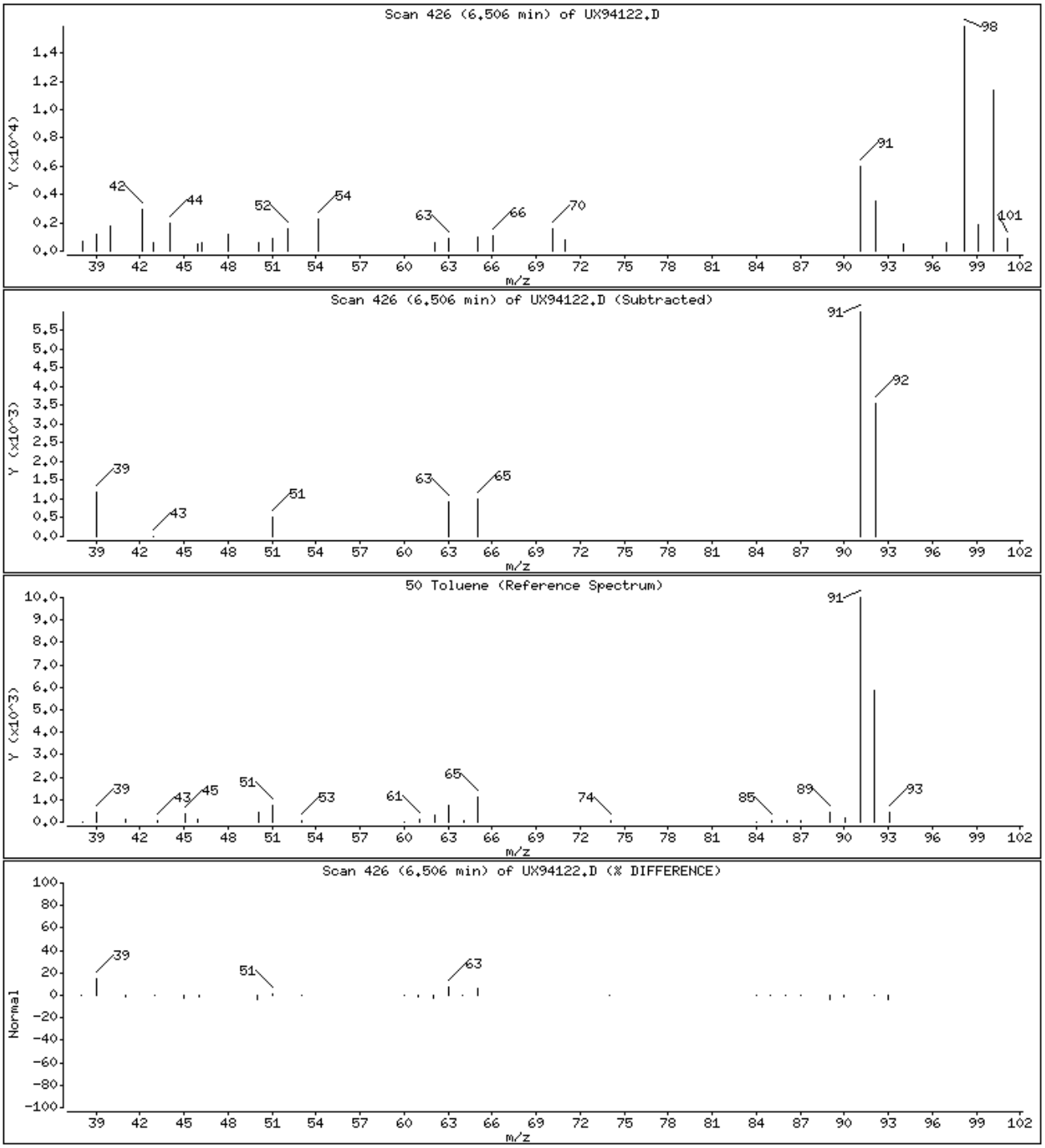
Client ID: GW-060205-AJ-039 Instrument: a3ux9.i

Sample Info: HCWQW1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 0.1484 ug/L



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Date : 15-JUN-2005 12:17

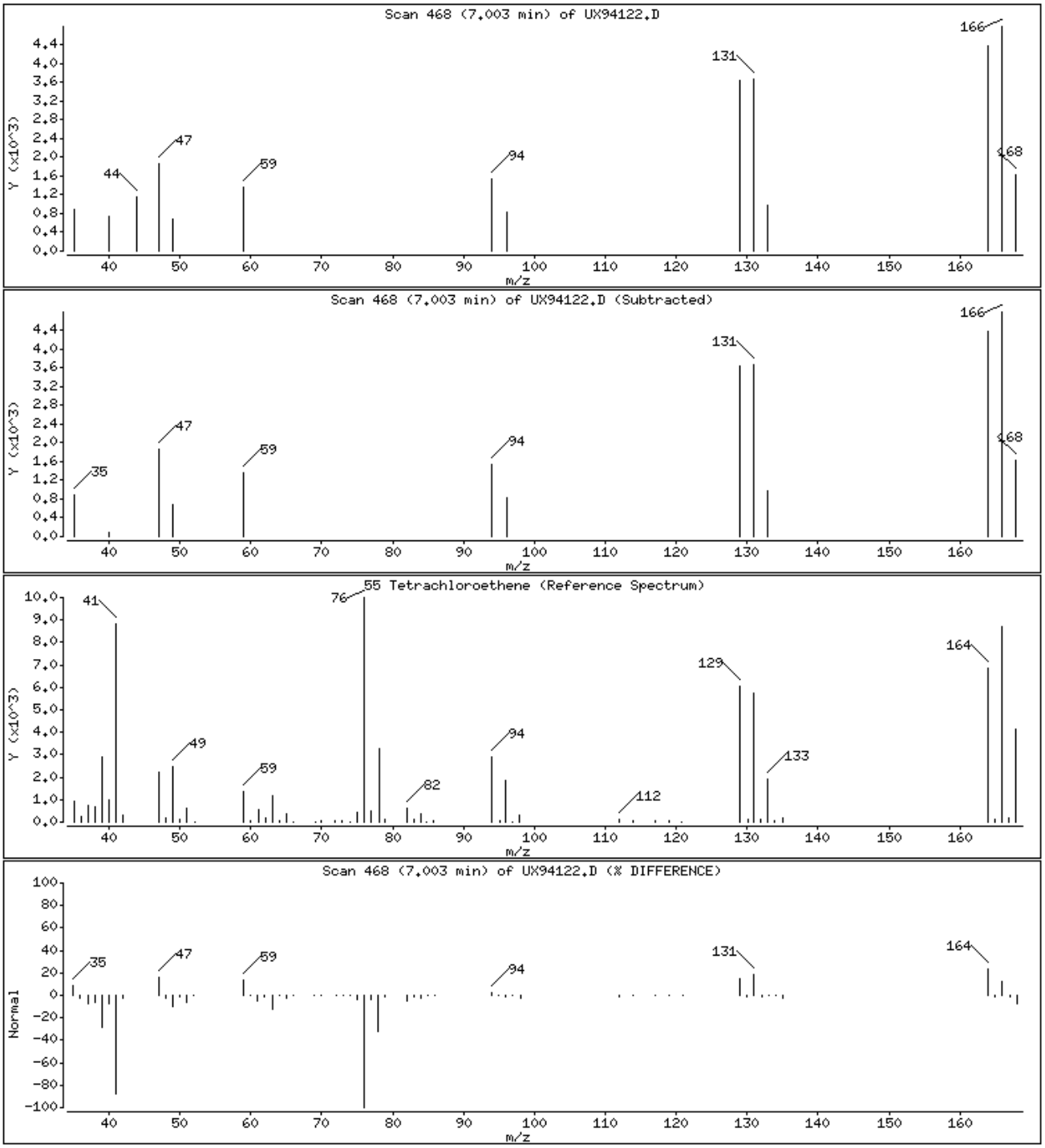
Client ID: GW-060205-AJ-039 Instrument: a3ux9.i

Sample Info: HCWQW1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 0.4802 ug/L



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Date : 15-JUN-2005 12:17

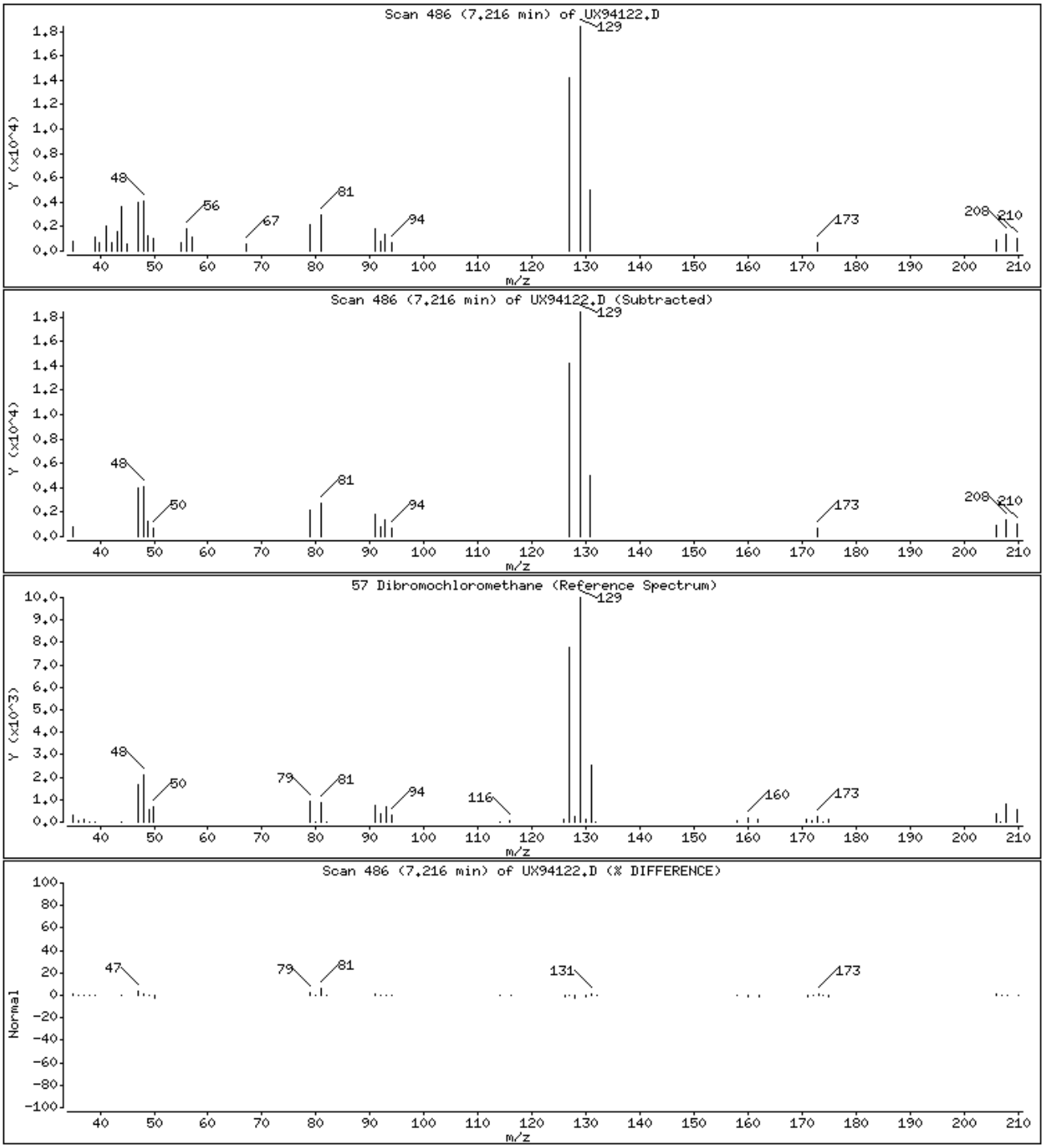
Client ID: GW-060205-AJ-039 Instrument: a3ux9.i

Sample Info: HCWQW1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

57 Dibromochloromethane Concentration: 2.949 ug/L



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Date : 15-JUN-2005 12:17

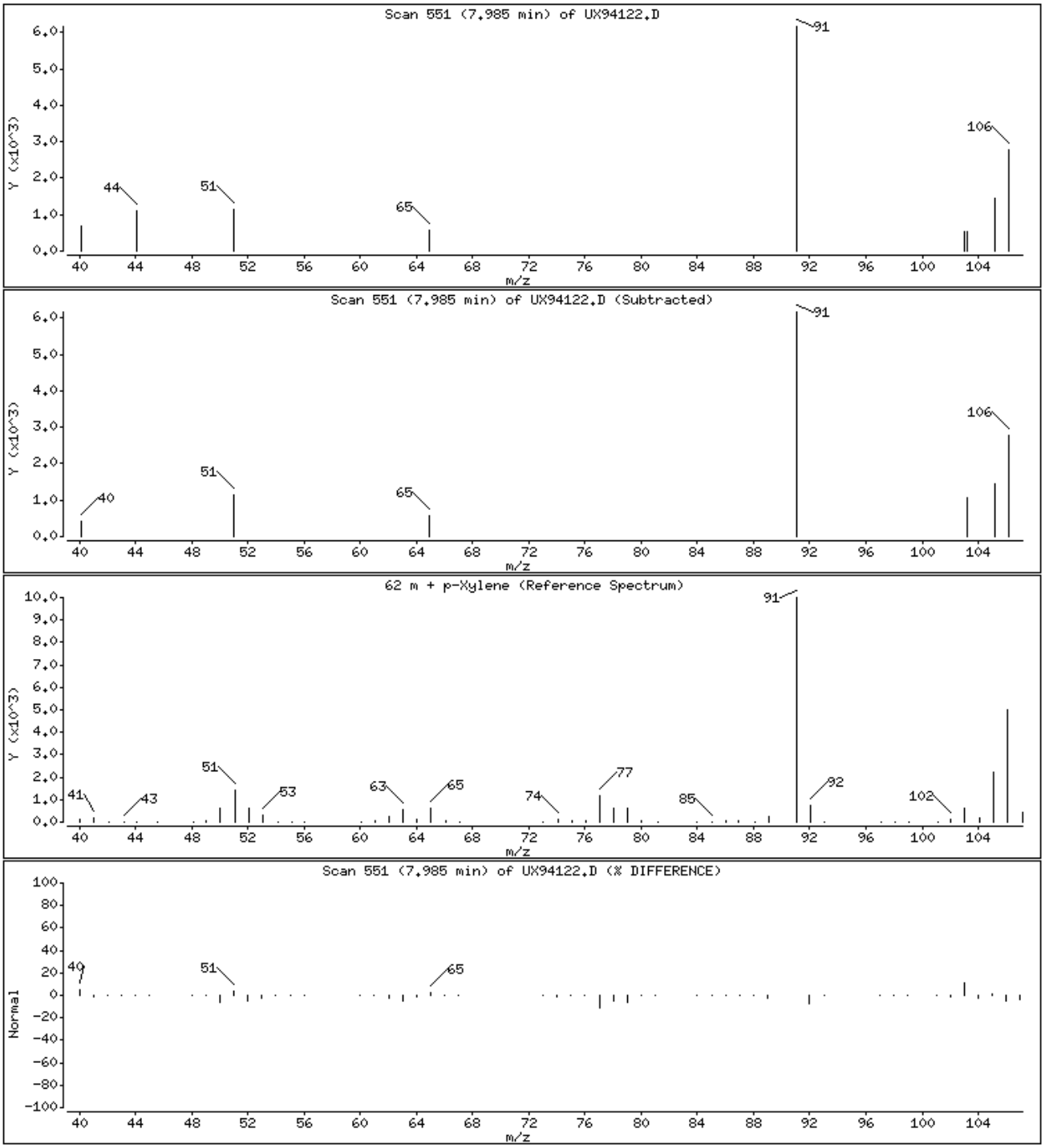
Client ID: GW-060205-AJ-039 Instrument: a3ux9.i

Sample Info: HCWQW1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

62 m + p-Xylene Concentration: 0.1793 ug/L



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Date : 15-JUN-2005 12:17

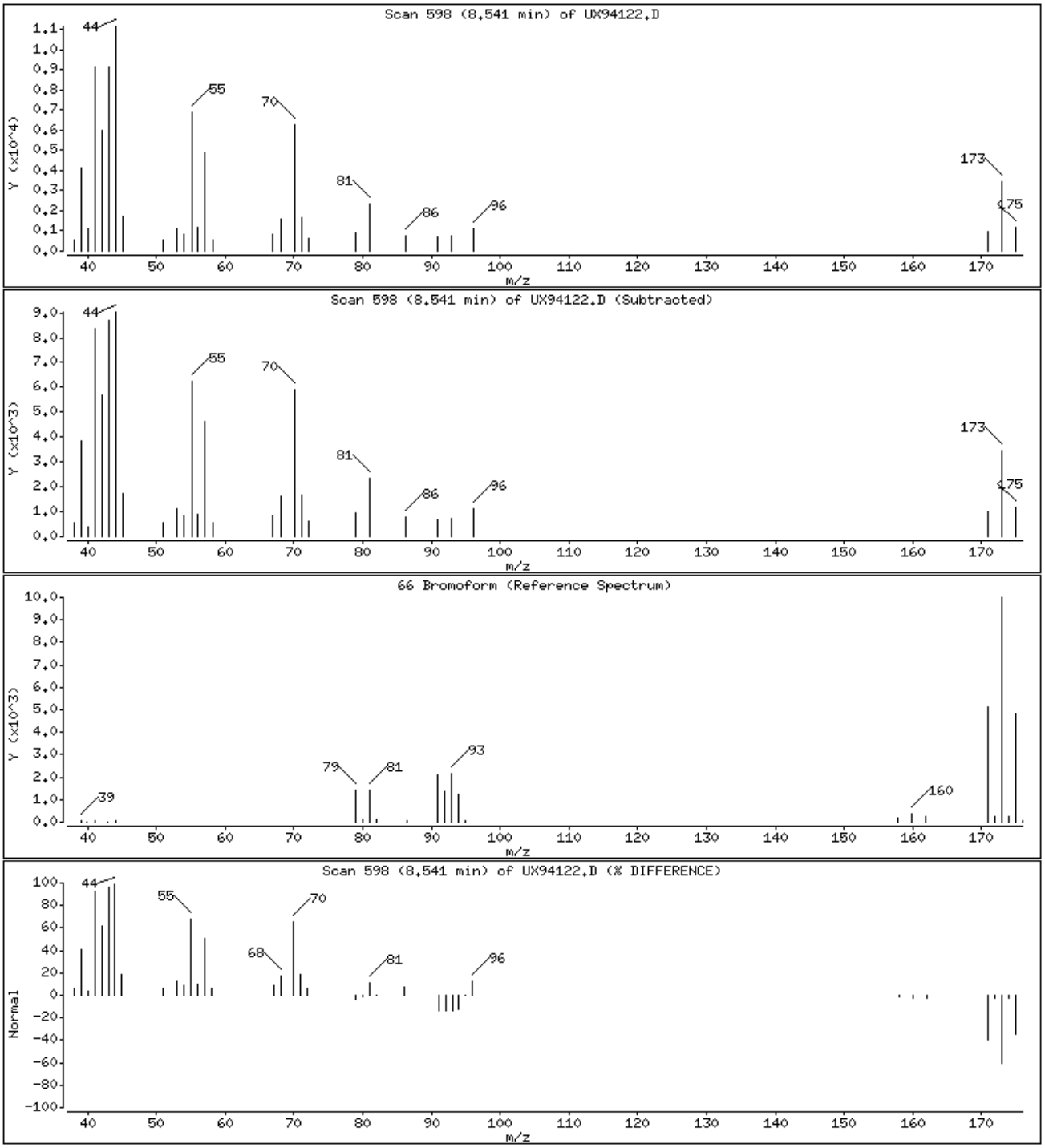
Client ID: GW-060205-AJ-039 Instrument: a3ux9.i

Sample Info: HCWQW1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

66 Bromoform Concentration: 1.510 ug/L



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Date : 15-JUN-2005 12:17

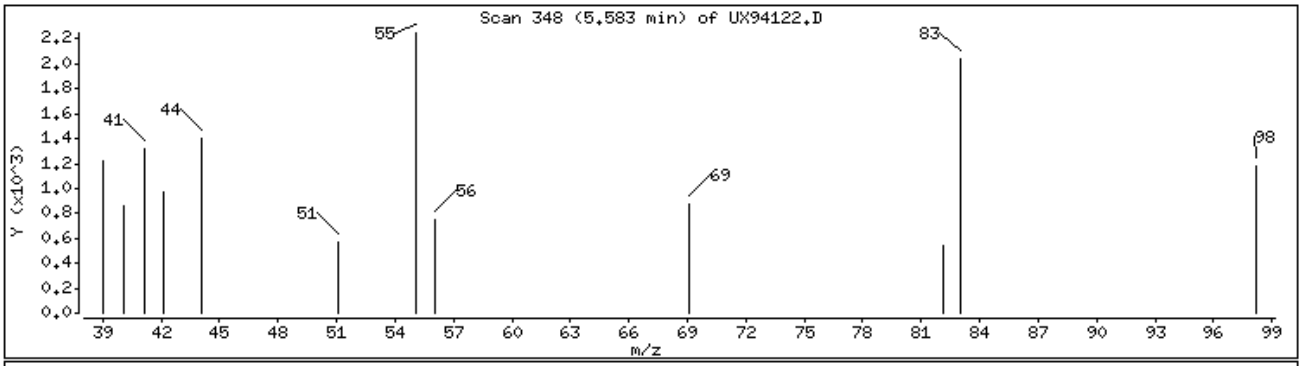
Client ID: GW-060205-AJ-039 Instrument: a3ux9.i

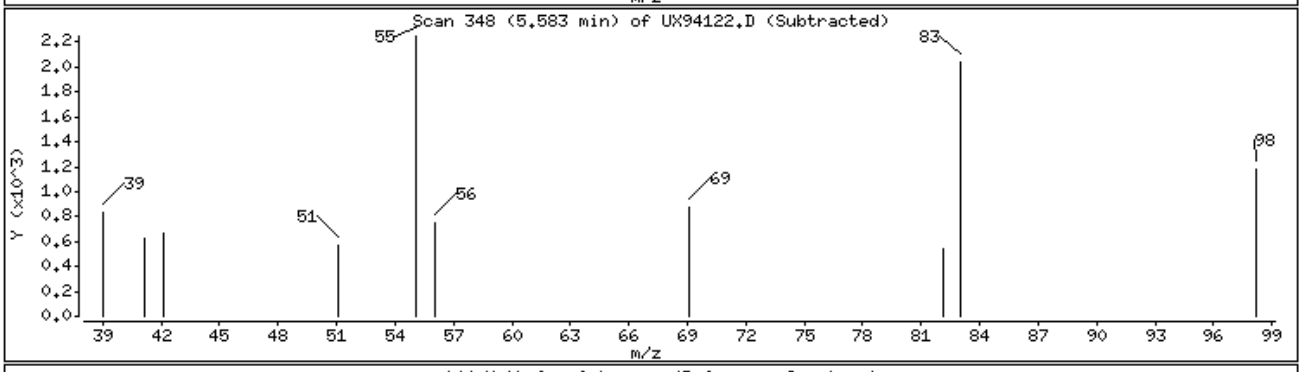
Sample Info: HCWQW1AA,5ML/5ML

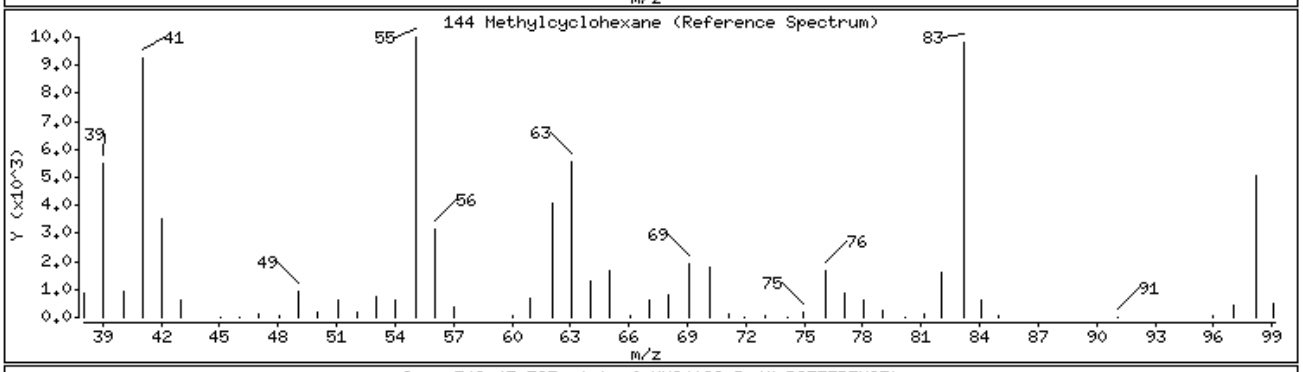
Purge Volume: 5.0 Operator: 1819

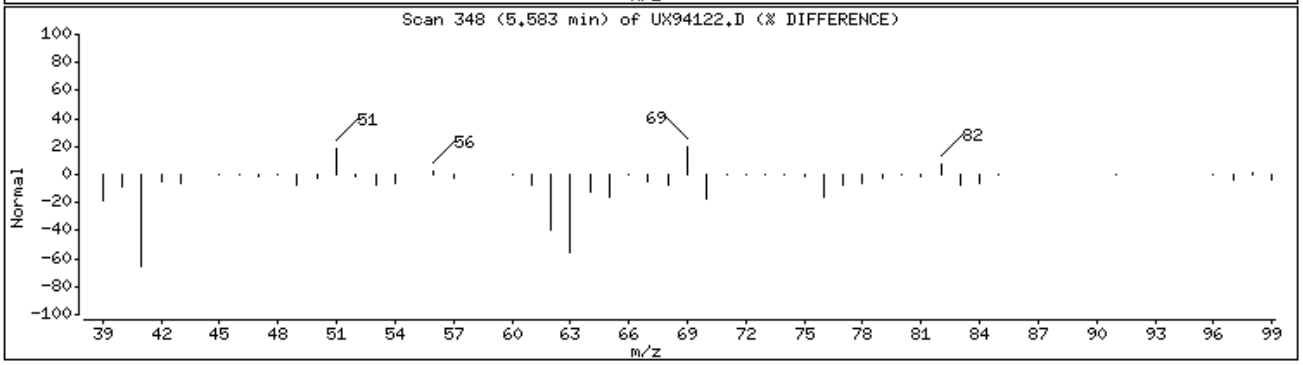
Column phase: DB624 Column diameter: 0.18

144 Methylcyclohexane Concentration: 0.1001 ug/L









Conestoga-Rovers & Associates, Inc.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A5F030312-004 **Work Order #...:** HCWQ01AA **Matrix.....:** WQ
Date Sampled...: 06/02/05 **Date Received..:** 06/03/05
Prep Date.....: 06/15/05 **Analysis Date..:** 06/15/05
Prep Batch #...: 5167040
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**1.8 J,B**	**10**	**ug/L**
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A5F030312-004 **Work Order #...:** HCWQ01AA **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**0.18 J**	**1.0**	**ug/L**
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
Toluene-d8	104	(76 - 110)
4-Bromofluorobenzene	84	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94123.D
Report Date: 16-Jun-2005 08:07

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94123.D
Lab Smp Id: HCWQ01AA Client Smp ID: TRIP BLANK
Inj Date : 15-JUN-2005 12:39
Operator : 1819 Inst ID: a3ux9.i
Smp Info : HCWQ01AA,5ML/5ML
Misc Info : N50615A,8260MIUX9,2-8260.SUB,1819
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50615A.b\8260MIUX9.m
Meth Date : 15-Jun-2005 07:22 Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.099	5.097	(1.000)	742622	50.0000	
* 2 Chlorobenzene-d5	117	7.750	7.748	(1.000)	525397	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.986	9.984	(1.000)	186244	50.0000	
$ 4 Dibromofluoromethane	113	4.543	4.541	(0.891)	161290	53.6715	10.734
$ 5 1,2-Dichloroethane-d4	65	4.827	4.825	(0.947)	210172	50.9719	10.194
$ 6 Toluene-d8	98	6.448	6.446	(0.832)	775380	51.7831	10.357
$ 7 Bromofluorobenzene	95	8.850	8.848	(1.142)	227926	42.1510	8.430
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.792	2.790	(0.548)	22137	8.76573	1.753
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.957	2.968	(0.580)	11354	0.92740	0.1855
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94123.D
Report Date: 16-Jun-2005 08:07

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.495	6.506	(0.838)	16927	0.91432	0.1829
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

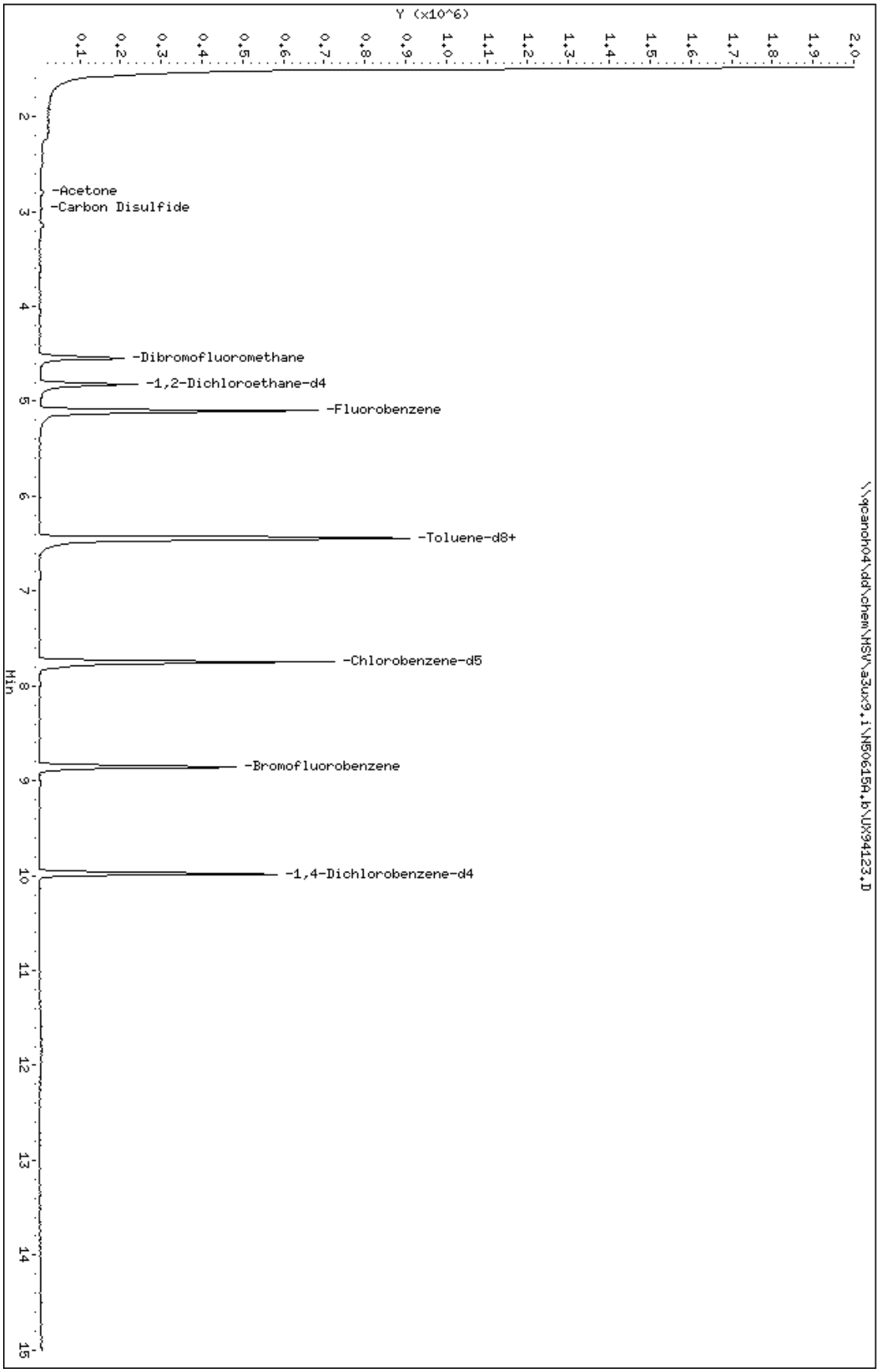
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94123.D
Report Date: 16-Jun-2005 08:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94123.D
Date : 15-JUN-2005 12:39
Client ID: TRIP BLANK
Sample Info: HCWQ01AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94123.D

Date : 15-JUN-2005 12:39

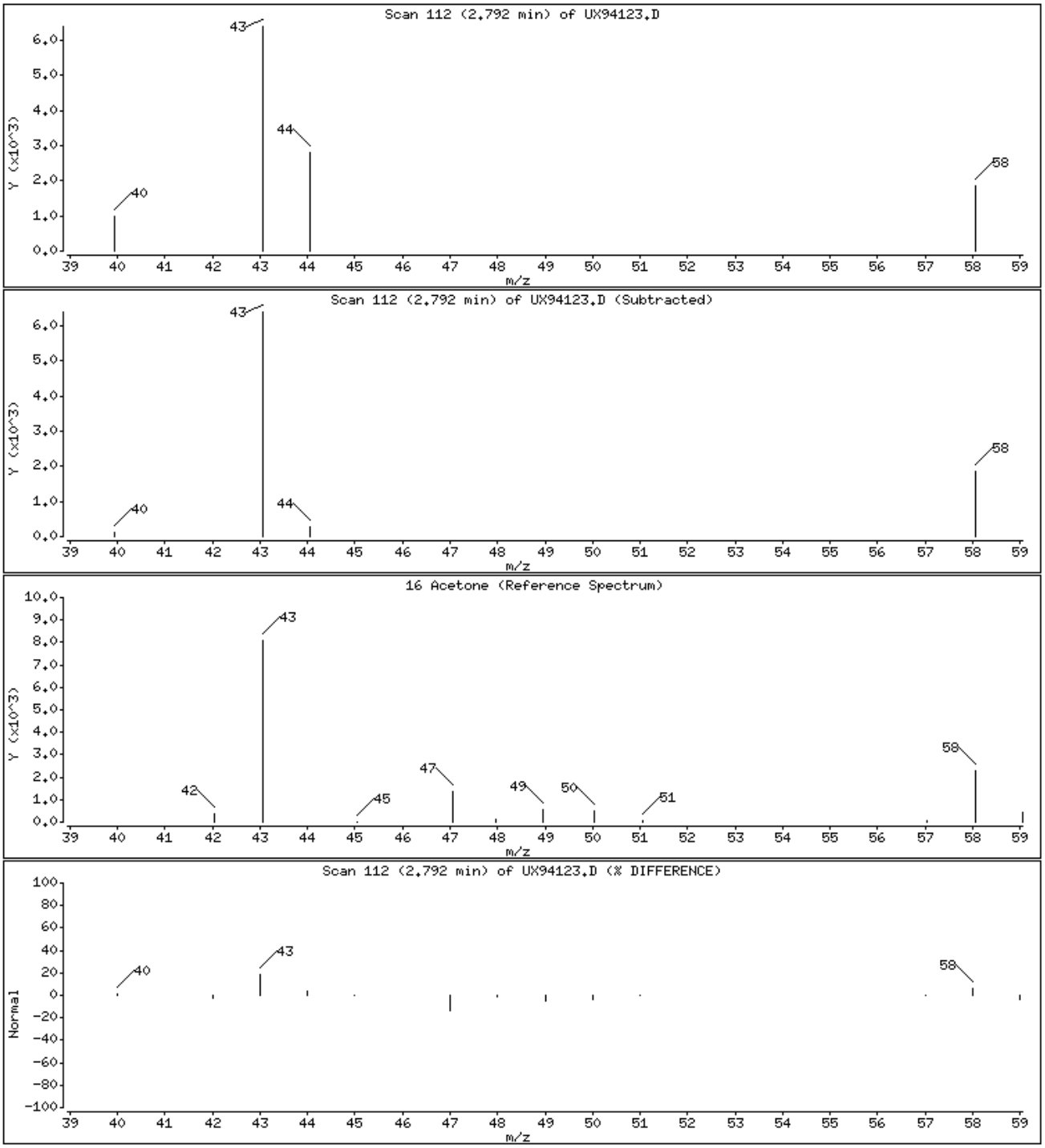
Client ID: TRIP BLANK | Instrument: a3ux9.i

Sample Info: HCWQ01AA,5ML/5ML

Purge Volume: 5.0 | Operator: 1819

Column phase: DB624 | Column diameter: 0.18

16 Acetone | Concentration: 1.753 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94123.D

Date : 15-JUN-2005 12:39

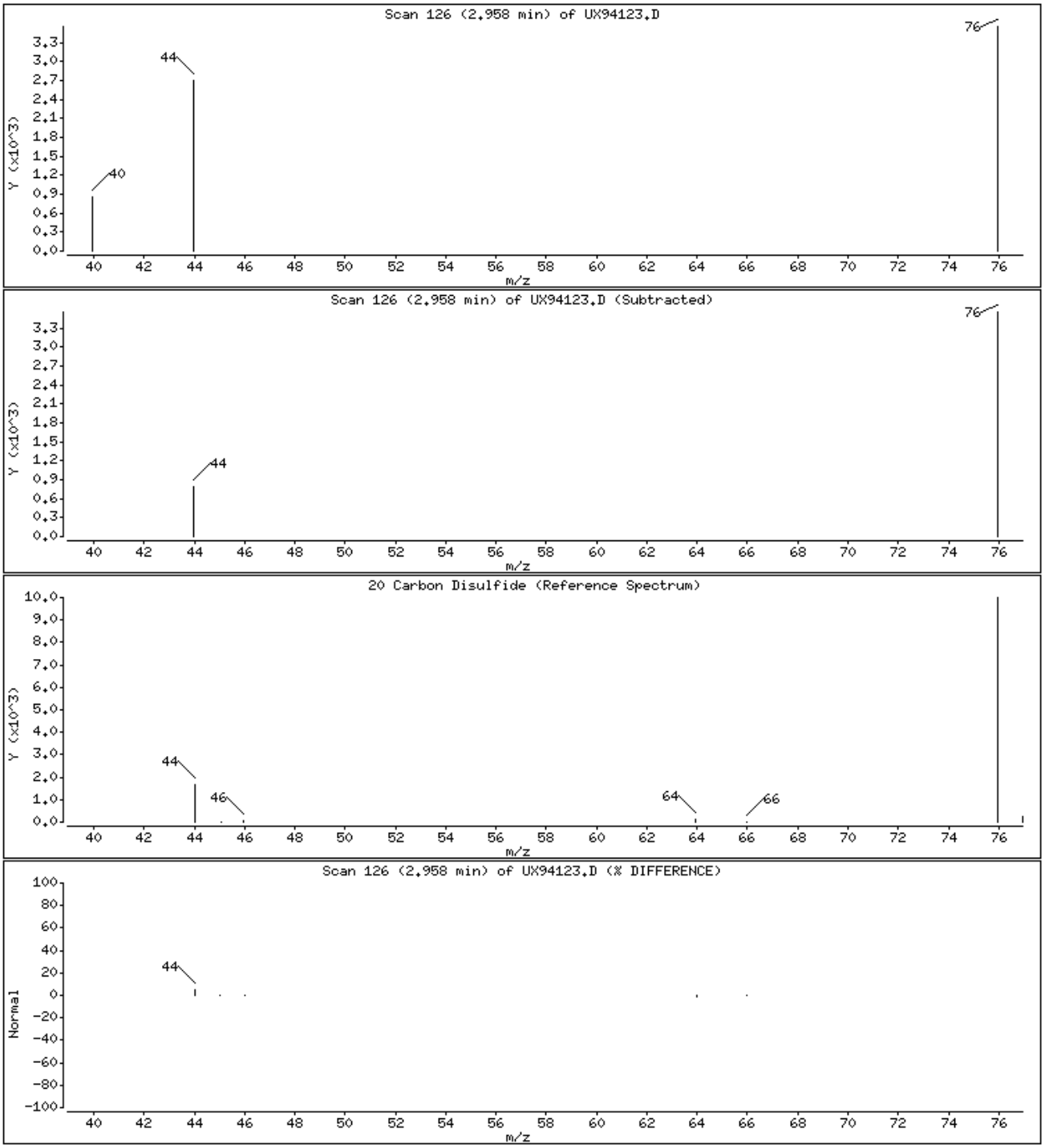
Client ID: TRIP BLANK | Instrument: a3ux9.i

Sample Info: HCWQ01AA,5ML/5ML

Purge Volume: 5.0 | Operator: 1819

Column phase: DB624 | Column diameter: 0.18

20 Carbon Disulfide | Concentration: 0.1855 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94123.D

Date : 15-JUN-2005 12:39

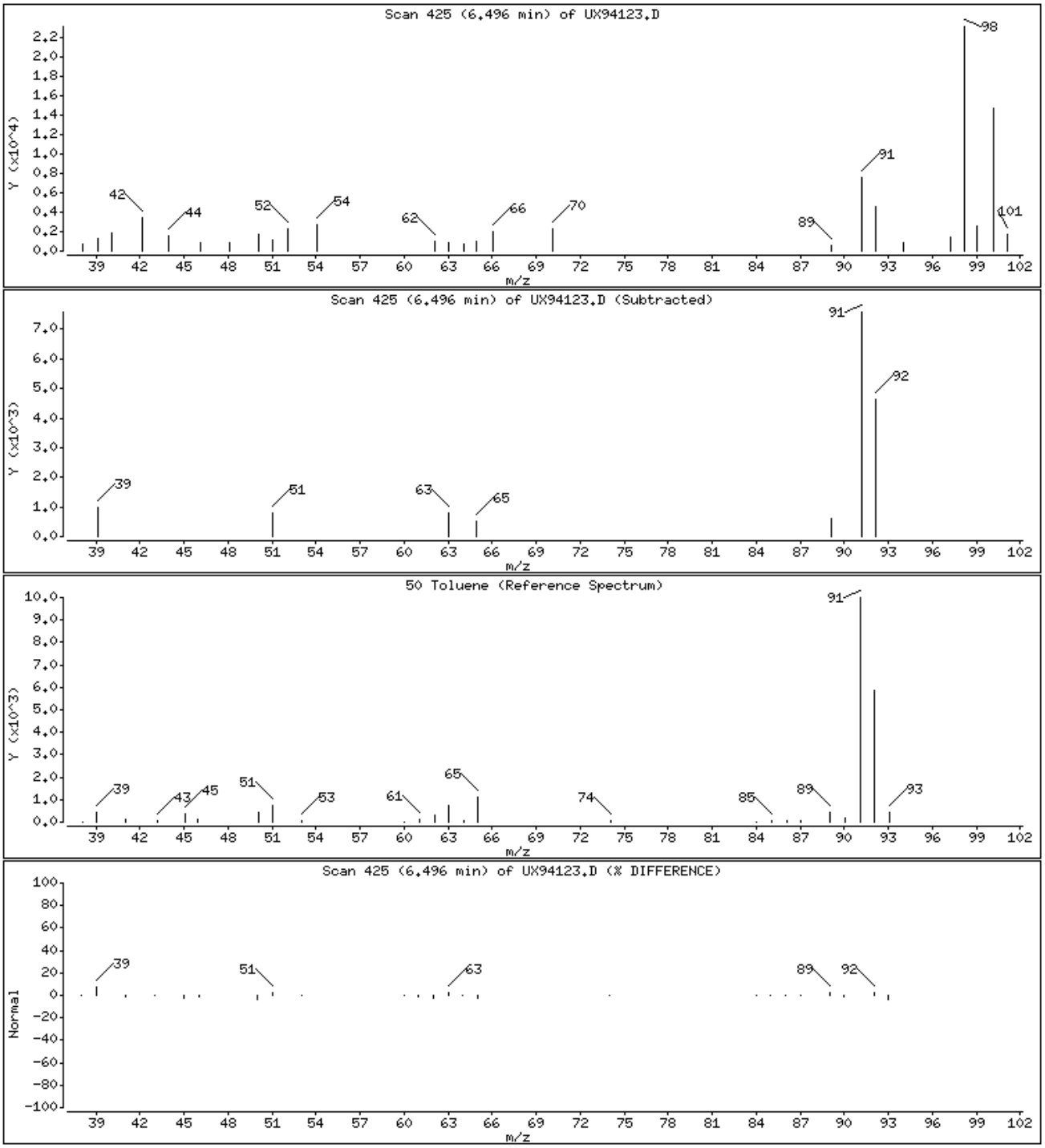
Client ID: TRIP BLANK | Instrument: a3ux9.i

Sample Info: HCWQ01AA,5ML/5ML

Purge Volume: 5.0 | Operator: 1819

Column phase: DB624 | Column diameter: 0.18

50 Toluene | Concentration: 0.1829 ug/L



STANDARD DATA

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
Start Cal Date: 04-JUN-2005 17:17
End Cal Date : 04-JUN-2005 19:19
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 25.00000		
04-JUN-2005 19:19	1-8260	\\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70955.D
Cal Level: 2 , Cal Amount: 50.00000		
04-JUN-2005 18:55	1-8260	\\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70954.D
Cal Level: 3 , Cal Amount: 100.00000		
04-JUN-2005 18:30	1-8260	\\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70953.D
Cal Level: 4 , Cal Amount: 250.00000		
04-JUN-2005 18:06	1-8260	\\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70952.D
Cal Level: 5 , Cal Amount: 500.00000		
04-JUN-2005 17:41	1-8260	\\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70951.D
Cal Level: 6 , Cal Amount: 1000.00000		
04-JUN-2005 17:17	1-8260	\\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70950.D

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

04-JUN-2005 18:06	1-8260	\\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70952.D

Report Date : 05-Jun-2005 09:10

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 04-JUN-2005 17:17
End Cal Date : 04-JUN-2005 19:19
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
Last Edit : 05-Jun-2005 09:07 a3ux7.i
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70955.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70954.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70953.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70952.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70951.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70950.D

	Compound	25.000 Level 1	50.000 Level 2	100.000 Level 3	250.000 Level 4	500.000 Level 5	1000.000 Level 6	RRF	% RSD	
	8 Dichlorodifluoromethane	0.28519	0.22563	0.24994	0.24194	0.26091	0.23156	0.24919	8.704	
	9 Chloromethane	0.42118	0.34468	0.36614	0.35902	0.37735	0.32351	0.36531	9.062	
	10 Vinyl Chloride	0.36518	0.32172	0.33446	0.31899	0.33349	0.27147	0.32422	9.440	
	11 Bromomethane	0.19605	0.14350	0.15664	0.15572	0.14123	+++++	0.15863	13.899	
	12 Chloroethane	0.20992	0.17742	0.17469	0.18350	0.18692	0.13857	0.17850	13.001	
	13 Trichlorofluoromethane	0.32083	0.28134	0.30032	0.34755	0.38197	0.35911	0.33185	11.410	
	14 Dichlorofluoromethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	15 Acrolein	0.04306	0.03930	0.03674	0.03489	0.03546	0.03640	0.03764	8.123	
	16 Acetone	0.19301	0.17507	0.13231	0.11435	0.12519	0.12569	0.14427	22.076	
	17 1,1-Dichloroethene	0.30755	0.28497	0.24308	0.25453	0.27868	0.26461	0.27224	8.493	
	18 Freon-113	0.24104	0.19174	0.18089	0.18898	0.19910	0.19102	0.19879	10.817	
	19 Iodomethane	0.47922	0.42981	0.39475	0.38236	0.38403	0.36628	0.40607	10.257	
	20 Carbon Disulfide	1.23523	1.08201	0.99132	1.02995	0.99993	0.95102	1.04824	9.679	
	21 Methylene Chloride	0.64720	0.47858	0.40772	0.34090	0.34723	0.32187	0.42392	29.138	
	22 Acetonitrile	0.04964	0.04424	0.03954	0.03630	0.03727	0.03761	0.04076	12.717	
	23 Acrylonitrile	0.12405	0.11749	0.10822	0.10262	0.10626	0.11011	0.11146	7.092	
	24 Methyl tert-butyl ether	0.66343	0.70285	0.57488	0.61928	0.64772	0.65763	0.64430	6.740	
	25 trans-1,2-Dichloroethene	0.37465	0.35673	0.30618	0.32933	0.34724	0.32952	0.34061	7.069	
	26 Hexane	0.08618	0.07855	0.07945	0.08587	0.09119	0.09160	0.08547	6.515	
	27 Vinyl acetate	0.45609	0.44412	0.44223	0.46316	0.47988	0.53645	0.47032	7.483	
	28 1,1-Dichloroethane	0.63926	0.63680	0.54839	0.57464	0.59378	0.57701	0.59498	6.114	
	29 tert-Butyl Alcohol	0.02598	0.03188	0.01835	0.01989	0.02044	0.02196	0.02309	21.796	
	30 2-Butanone	0.19180	0.18831	0.16425	0.15831	0.16787	0.17894	0.17491	7.754	
M	31 1,2-Dichloroethene (total)	0.36087	0.34502	0.30060	0.32640	0.34032	0.32643	0.33327	6.166	
	32 cis-1,2-dichloroethene	0.34709	0.33332	0.29501	0.32347	0.33341	0.32334	0.32594	5.361	
	33 2,2-Dichloropropane	0.32809	0.31365	0.27818	0.30270	0.31146	0.29386	0.30466	5.681	
	34 Bromochloromethane	0.14876	0.14267	0.12658	0.13369	0.13399	0.13298	0.13644	5.802	
	35 Chloroform	0.57167	0.54073	0.46545	0.49108	0.51055	0.49708	0.51276	7.407	

Report Date : 05-Jun-2005 09:10

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 04-JUN-2005 17:17
End Cal Date : 04-JUN-2005 19:19
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
Last Edit : 05-Jun-2005 09:07 a3ux7.i
Curve Type : Average

	Compound	25.000 Level 1	50.000 Level 2	100.000 Level 3	250.000 Level 4	500.000 Level 5	1000.000 Level 6	RRF	% RSD	
	36 Tetrahydrofuran	0.16077	0.12812	0.09202	0.08720	0.08751	0.09383	0.10824	27.708	
	37 1,1,1-Trichloroethane	0.45436	0.41109	0.35328	0.39557	0.40996	0.38633	0.40177	8.291	
	38 1,1-Dichloropropene	0.43215	0.43173	0.36852	0.42093	0.43781	0.42636	0.41959	6.117	
	39 Carbon Tetrachloride	0.38446	0.36055	0.31910	0.34642	0.36537	0.35484	0.35512	6.128	
	40 1,2-Dichloroethane	0.40000	0.39075	0.32273	0.34636	0.35630	0.35798	0.36235	7.907	
	41 Benzene	1.41854	1.39457	1.20772	1.30426	1.34840	1.31849	1.33200	5.625	
	42 Trichloroethene	0.35569	0.33484	0.29089	0.31361	0.32998	0.32592	0.32516	6.678	
	43 1,2-Dichloropropane	0.35065	0.33545	0.28657	0.32112	0.32441	0.31653	0.32245	6.641	
	44 1,4-Dioxane	0.00243	0.00278	0.00190	0.00228	0.00245	0.00243	0.00238	12.013	<-
	45 Dibromomethane	0.16741	0.15282	0.12641	0.13885	0.14302	0.14536	0.14564	9.456	
	46 Bromodichloromethane	0.38754	0.37203	0.31350	0.34888	0.35991	0.36486	0.35779	7.053	
	47 2 Chloroethyl vinyl ether	0.11433	0.12253	0.12211	0.13963	0.14373	0.15710	0.13324	12.177	
	48 cis-1,3-Dichloropropene	0.40671	0.41328	0.36244	0.42337	0.44224	0.45217	0.41670	7.596	
	49 4-Methyl-2-pentanone	0.25117	0.28937	0.25409	0.26993	0.28554	0.31275	0.27714	8.456	
	50 Toluene	2.07943	2.09704	1.88622	2.02131	2.07608	2.08883	2.04148	3.948	
	51 trans-1,3-Dichloropropene	0.50583	0.53859	0.47473	0.52117	0.53603	0.56211	0.52308	5.780	
	52 Ethyl Methacrylate	0.36395	0.44548	0.38202	0.44267	0.46896	0.51348	0.43609	12.697	
	53 1,1,2-Trichloroethane	0.37368	0.39342	0.31841	0.32658	0.32667	0.33708	0.34597	8.773	
	54 1,3-Dichloropropane	0.65203	0.65160	0.54238	0.56798	0.57458	0.58680	0.59589	7.666	
	55 Tetrachloroethene	0.38708	0.40178	0.36100	0.36443	0.38004	0.37350	0.37797	4.004	
	56 2-Hexanone	0.32128	0.37679	0.32255	0.33721	0.34435	0.37010	0.34538	6.812	
	57 Dibromochloromethane	0.39384	0.38291	0.32003	0.34337	0.34302	0.35593	0.35652	7.709	
	58 1,2-Dibromoethane	0.34485	0.35701	0.29847	0.30873	0.31509	0.32962	0.32563	6.873	
	59 Chlorobenzene	1.34416	1.28510	1.11085	1.19772	1.22954	1.23063	1.23300	6.412	
	60 1,1,1,2-Tetrachloroethane	0.43370	0.43025	0.36302	0.39149	0.40411	0.40305	0.40427	6.458	
	61 Ethylbenzene	0.67655	0.70533	0.63492	0.70968	0.75013	0.74662	0.70387	6.194	
	62 m + p-Xylene	0.81083	0.88285	0.80924	0.87846	0.92042	0.89349	0.86588	5.273	
M	63 Xylenes (total)	0.78394	0.86235	0.78789	0.86627	0.90675	0.88224	0.84824	5.983	
	64 Xylene-o	0.73018	0.82136	0.74518	0.84187	0.87941	0.85976	0.81296	7.574	
	65 Styrene	1.26094	1.34839	1.25726	1.40125	1.46882	1.44664	1.36388	6.677	
	66 Bromoform	0.24490	0.25771	0.21086	0.22243	0.23157	0.24005	0.23459	7.110	
	67 Isopropylbenzene	1.69326	1.86380	1.78085	2.07653	2.24296	2.23373	1.98186	11.902	
	68 1,1,2,2-Tetrachloroethane	0.95102	1.07895	0.76843	0.80805	0.83317	0.87435	0.88566	12.803	
	69 1,4-Dichloro-2-butene	0.30821	0.31525	0.26076	0.27065	0.29979	0.32461	0.29654	8.579	
	70 1,2,3-Trichloropropane	0.30262	0.32620	0.24193	0.25707	0.26154	0.27829	0.27794	11.309	
	71 Bromobenzene	0.96094	0.97582	0.86363	0.90235	0.94954	0.94765	0.93332	4.509	

Report Date : 05-Jun-2005 09:10

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 04-JUN-2005 17:17
End Cal Date : 04-JUN-2005 19:19
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
Last Edit : 05-Jun-2005 09:07 a3ux7.i
Curve Type : Average

Compound	25.000 Level 1	50.000 Level 2	100.000 Level 3	250.000 Level 4	500.000 Level 5	1000.000 Level 6	RRF	% RSD	
72 n-Propylbenzene	1.06252	1.17000	1.08769	1.20246	1.26124	1.26285	1.17446	7.246	
73 2-Chlorotoluene	1.00166	1.02175	0.93984	1.00151	1.06338	1.06393	1.01534	4.575	
74 1,3,5-Trimethylbenzene	3.16083	3.45584	3.21884	3.62441	3.83053	3.82971	3.52003	8.303	
75 4-Chlorotoluene	1.04138	1.05029	0.95511	1.01271	1.05167	1.03973	1.02515	3.616	
76 tert-Butylbenzene	2.70150	2.77078	2.64200	2.99837	3.24461	3.35520	2.95208	10.072	
77 1,2,4-Trimethylbenzene	3.11358	3.48219	3.27598	3.62063	3.90472	3.89985	3.54949	9.115	
78 sec-Butylbenzene	4.34007	4.62163	4.32991	4.92625	5.29912	5.36257	4.81326	9.497	
79 4-Isopropyltoluene	3.21189	3.42429	3.20162	3.66831	3.97295	3.98336	3.57707	9.906	
80 1,3-Dichlorobenzene	2.00478	1.88349	1.64716	1.81228	1.93642	1.92277	1.86782	6.708	
81 1,4-Dichlorobenzene	2.10416	1.98912	1.73846	1.84621	1.98422	1.95005	1.93537	6.565	
82 n-Butylbenzene	2.93112	3.06695	2.95291	3.48837	3.83530	3.80052	3.34586	12.473	
83 1,2-Dichlorobenzene	1.84549	1.85008	1.58797	1.67564	1.74893	1.72634	1.73908	5.794	
84 1,2-Dibromo-3-chloropropane	0.16045	0.19801	0.12806	0.13844	0.15194	0.16469	0.15693	15.505	
85 1,2,4-Trichlorobenzene	0.86309	0.87457	0.77675	0.98722	1.12048	1.09703	0.95319	14.481	
86 Hexachlorobutadiene	0.64518	0.58281	0.49844	0.58105	0.59159	0.55898	0.57634	8.287	
87 Naphthalene	1.82332	2.23838	1.80361	2.43788	2.81957	2.78258	2.31756	19.272	
88 1,2,3-Trichlorobenzene	0.88015	0.98029	0.77187	0.96177	1.03769	0.98872	0.93675	10.217	
89 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
91 3-Chloropropene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
92 Isopropyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
93 2 Chloro-1,3-butadiene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
94 Propionitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
95 Ethyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
96 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
97 Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
98 Cyclohexane	0.67629	0.67025	0.62193	0.72078	0.76636	0.74308	0.69978	7.624	
99 n-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
100 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
101 2-Nitropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
103 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

Report Date : 05-Jun-2005 09:10

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 04-JUN-2005 17:17
End Cal Date : 04-JUN-2005 19:19
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
Last Edit : 05-Jun-2005 09:07 a3ux7.i
Curve Type : Average

Compound	25.000 Level 1	50.000 Level 2	100.000 Level 3	250.000 Level 4	500.000 Level 5	1000.000 Level 6	RRF	% RSD	
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
M 137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
140 1 Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
141 1,3,5-Trichlorobenzene	1.19751	1.15565	1.02136	1.21477	1.34797	1.30917	1.20774	9.625	
143 Methyl Acetate	0.24615	0.24375	0.22410	0.21587	0.22337	0.23185	0.23085	5.226	
144 Methylcyclohexane	0.56307	0.58730	0.55559	0.62952	0.67936	0.65641	0.61187	8.334	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
146 2-Methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
147 Ethyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
148 n Butyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
149 1,2:3,4-Diepoxybutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
150 Bromoacetone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
151 Allyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
152 Acenaphthylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 4 Dibromofluoromethane	0.30235	0.27769	0.25101	0.22377	0.23265	0.24209	0.25493	11.655	
$ 5 1,2-Dichloroethane-d4	0.34721	0.32619	0.28216	0.24968	0.26009	0.27457	0.28998	13.269	
$ 6 Toluene-d8	1.17118	1.12811	1.06702	1.01265	1.07793	1.13277	1.09828	5.170	
$ 7 Bromofluorobenzene	0.65195	0.60048	0.57732	0.54148	0.56975	0.58862	0.58827	6.295	

port Date : 05-Jun-2005 09:12

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 04-JUN-2005 17:17
d Cal Date : 04-JUN-2005 19:19
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
st Edit : 05-Jun-2005 09:07 a3ux7.i

libration File Names:
vel 1: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70955.D
vel 2: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70954.D
vel 3: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70953.D
vel 4: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70952.D
vel 5: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70951.D
vel 6: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70950.D

Compound	25.0000 Level 1	50.0000 Level 2	100.0000 Level 3	250.0000 Level 4	500.0000 Level 5	1000.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
8 Dichlorodifluoromethane	0.28519	0.22563	0.24994	0.24194	0.26091	0.23156	AVRG		0.24919		8.70368	
9 Chloromethane	0.42118	0.34468	0.36614	0.35902	0.37735	0.32351	AVRG		0.36531		9.06194	
10 Vinyl Chloride	0.36518	0.32172	0.33446	0.31899	0.33349	0.27147	AVRG		0.32422		9.44032	
11 Bromomethane	0.19605	0.14350	0.15664	0.15572	0.14123	+++++	AVRG		0.15863		13.89867	
12 Chloroethane	0.20992	0.17742	0.17469	0.18350	0.18692	0.13857	AVRG		0.17850		13.00060	
13 Trichlorofluoromethane	0.32083	0.28134	0.30032	0.34755	0.38197	0.35911	AVRG		0.33185		11.40951	
14 Dichlorofluoromethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
15 Acrolein	0.04306	0.03930	0.03674	0.03489	0.03546	0.03640	AVRG		0.03764		8.12311	
16 Acetone	37058	74230	107907	246139	497092	1003068	WLINR	-0.11771	0.12135		0.99639	
17 1,1-Dichloroethene	0.30755	0.28497	0.24308	0.25453	0.27868	0.26461	AVRG		0.27224		8.49257	
18 Freon-113	0.24104	0.19174	0.18089	0.18898	0.19910	0.19102	AVRG		0.19879		10.81739	
19 Iodomethane	0.47922	0.42981	0.39475	0.38236	0.38403	0.36628	AVRG		0.40607		10.25673	
20 Carbon Disulfide	1.23523	1.08201	0.99132	1.02995	0.99993	0.95102	AVRG		1.04824		9.67879	
21 Methylene Chloride	62131	101460	166266	366896	689392	1284352	WLINR	-0.10351	0.31823		0.99911	

port Date : 05-Jun-2005 09:12

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 04-JUN-2005 17:17
d Cal Date : 04-JUN-2005 19:19
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
st Edit : 05-Jun-2005 09:07 a3ux7.i

Compound	25.0000 Level 1	50.0000 Level 2	100.0000 Level 3	250.0000 Level 4	500.0000 Level 5	1000.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
22 Acetonitrile	0.04964	0.04424	0.03954	0.03630	0.03727	0.03761	AVRG		0.04076		12.71719
23 Acrylonitrile	0.12405	0.11749	0.10822	0.10262	0.10626	0.11011	AVRG		0.11146		7.09152
24 Methyl tert-butyl ether	0.66343	0.70285	0.57488	0.61928	0.64772	0.65763	AVRG		0.64430		6.73987
25 trans-1,2-Dichloroethene	0.37465	0.35673	0.30618	0.32933	0.34724	0.32952	AVRG		0.34061		7.06850
26 Hexane	0.08618	0.07855	0.07945	0.08587	0.09119	0.09160	AVRG		0.08547		6.51465
27 Vinyl acetate	0.45609	0.44412	0.44223	0.46316	0.47988	0.53645	AVRG		0.47032		7.48328
28 1,1-Dichloroethane	0.63926	0.63680	0.54839	0.57464	0.59378	0.57701	AVRG		0.59498		6.11450
29 tert-Butyl Alcohol	49886	135175	149685	428140	811777	1752799	QUAD	-1.12346	54.23621	-4.59729	0.99895
30 2-Butanone	0.19180	0.18831	0.16425	0.15831	0.16787	0.17894	AVRG		0.17491		7.75365
31 1,2-Dichloroethene (total)	0.36087	0.34502	0.30060	0.32640	0.34032	0.32643	AVRG		0.33327		6.16572
32 cis-1,2-dichloroethene	0.34709	0.33332	0.29501	0.32347	0.33341	0.32334	AVRG		0.32594		5.36149
33 2,2-Dichloropropane	0.32809	0.31365	0.27818	0.30270	0.31146	0.29386	AVRG		0.30466		5.68142
34 Bromochloromethane	0.14876	0.14267	0.12658	0.13369	0.13399	0.13298	AVRG		0.13644		5.80173
35 Chloroform	0.57167	0.54073	0.46545	0.49108	0.51055	0.49708	AVRG		0.51276		7.40726
36 Tetrahydrofuran	15434	27161	37523	93855	173738	374423	WLINR	-0.06931	0.08855		0.99497
37 1,1,1-Trichloroethane	0.45436	0.41109	0.35328	0.39557	0.40996	0.38633	AVRG		0.40177		8.29084
38 1,1-Dichloropropene	0.43215	0.43173	0.36852	0.42093	0.43781	0.42636	AVRG		0.41959		6.11677
39 Carbon Tetrachloride	0.38446	0.36055	0.31910	0.34642	0.36537	0.35484	AVRG		0.35512		6.12845
40 1,2-Dichloroethane	0.40000	0.39075	0.32273	0.34636	0.35630	0.35798	AVRG		0.36235		7.90738
41 Benzene	1.41854	1.39457	1.20772	1.30426	1.34840	1.31849	AVRG		1.33200		5.62516
42 Trichloroethene	0.35569	0.33484	0.29089	0.31361	0.32998	0.32592	AVRG		0.32516		6.67803
43 1,2-Dichloropropane	0.35065	0.33545	0.28657	0.32112	0.32441	0.31653	AVRG		0.32245		6.64122

port Date : 05-Jun-2005 09:12

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 04-JUN-2005 17:17
d Cal Date : 04-JUN-2005 19:19
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
st Edit : 05-Jun-2005 09:07 a3ux7.i

Compound	25.0000 Level 1	50.0000 Level 2	100.0000 Level 3	250.0000 Level 4	500.0000 Level 5	1000.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
44 1,4-Dioxane	0.00243	0.00278	0.00190	0.00228	0.00245	0.00243	AVRG		0.00238		12.01302	<-
45 Dibromomethane	0.16741	0.15282	0.12641	0.13885	0.14302	0.14536	AVRG		0.14564		9.45573	
46 Bromodichloromethane	0.38754	0.37203	0.31350	0.34888	0.35991	0.36486	AVRG		0.35779		7.05269	
47 2-Chloroethyl vinyl ether	0.11433	0.12253	0.12211	0.13963	0.14373	0.15710	AVRG		0.13324		12.17733	
48 cis-1,3-Dichloropropene	0.40671	0.41328	0.36244	0.42337	0.44224	0.45217	AVRG		0.41670		7.59615	
49 4-Methyl-2-pentanone	0.25117	0.28937	0.25409	0.26993	0.28554	0.31275	AVRG		0.27714		8.45567	
50 Toluene	2.07943	2.09704	1.88622	2.02131	2.07608	2.08883	AVRG		2.04148		3.94785	
51 trans-1,3-Dichloropropene	0.50583	0.53859	0.47473	0.52117	0.53603	0.56211	AVRG		0.52308		5.78016	
52 Ethyl Methacrylate	0.36395	0.44548	0.38202	0.44267	0.46896	0.51348	AVRG		0.43609		12.69650	
53 1,1,2-Trichloroethane	0.37368	0.39342	0.31841	0.32658	0.32667	0.33708	AVRG		0.34597		8.77302	
54 1,3-Dichloropropane	0.65203	0.65160	0.54238	0.56798	0.57458	0.58680	AVRG		0.59589		7.66610	
55 Tetrachloroethene	0.38708	0.40178	0.36100	0.36443	0.38004	0.37350	AVRG		0.37797		4.00441	
56 2-Hexanone	0.32128	0.37679	0.32255	0.33721	0.34435	0.37010	AVRG		0.34538		6.81221	
57 Dibromochloromethane	0.39384	0.38291	0.32003	0.34337	0.34302	0.35593	AVRG		0.35652		7.70884	
58 1,2-Dibromoethane	0.34485	0.35701	0.29847	0.30873	0.31509	0.32962	AVRG		0.32563		6.87266	
59 Chlorobenzene	1.34416	1.28510	1.11085	1.19772	1.22954	1.23063	AVRG		1.23300		6.41194	
60 1,1,1,2-Tetrachloroethane	0.43370	0.43025	0.36302	0.39149	0.40411	0.40305	AVRG		0.40427		6.45764	
61 Ethylbenzene	0.67655	0.70533	0.63492	0.70968	0.75013	0.74662	AVRG		0.70387		6.19417	
62 m + p-Xylene	0.81083	0.88285	0.80924	0.87846	0.92042	0.89349	AVRG		0.86588		5.27265	
63 Xylenes (total)	0.78394	0.86235	0.78789	0.86627	0.90675	0.88224	AVRG		0.84824		5.98348	
64 Xylene-o	0.73018	0.82136	0.74518	0.84187	0.87941	0.85976	AVRG		0.81296		7.57443	
65 Styrene	1.26094	1.34839	1.25726	1.40125	1.46882	1.44664	AVRG		1.36388		6.67663	

port Date : 05-Jun-2005 09:12

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 04-JUN-2005 17:17
d Cal Date : 04-JUN-2005 19:19
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
st Edit : 05-Jun-2005 09:07 a3ux7.i

Compound	25.0000 Level 1	50.0000 Level 2	100.0000 Level 3	250.0000 Level 4	500.0000 Level 5	1000.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
66 Bromoform	0.24490	0.25771	0.21086	0.22243	0.23157	0.24005	AVRG		0.23459		7.11010
67 Isopropylbenzene	1.69326	1.86380	1.78085	2.07653	2.24296	2.23373	AVRG		1.98186		11.90222
68 1,1,2,2-Tetrachloroethane	0.95102	1.07895	0.76843	0.80805	0.83317	0.87435	AVRG		0.88566		12.80251
69 1,4-Dichloro-2-butene	0.30821	0.31525	0.26076	0.27065	0.29979	0.32461	AVRG		0.29654		8.57864
70 1,2,3-Trichloropropane	0.30262	0.32620	0.24193	0.25707	0.26154	0.27829	AVRG		0.27794		11.30878
71 Bromobenzene	0.96094	0.97582	0.86363	0.90235	0.94954	0.94765	AVRG		0.93332		4.50870
72 n-Propylbenzene	1.06252	1.17000	1.08769	1.20246	1.26124	1.26285	AVRG		1.17446		7.24564
73 2-Chlorotoluene	1.00166	1.02175	0.93984	1.00151	1.06338	1.06393	AVRG		1.01534		4.57497
74 1,3,5-Trimethylbenzene	3.16083	3.45584	3.21884	3.62441	3.83053	3.82971	AVRG		3.52003		8.30273
75 4-Chlorotoluene	1.04138	1.05029	0.95511	1.01271	1.05167	1.03973	AVRG		1.02515		3.61637
76 tert-Butylbenzene	2.70150	2.77078	2.64200	2.99837	3.24461	3.35520	AVRG		2.95208		10.07189
77 1,2,4-Trimethylbenzene	3.11358	3.48219	3.27598	3.62063	3.90472	3.89985	AVRG		3.54949		9.11482
78 sec-Butylbenzene	4.34007	4.62163	4.32991	4.92625	5.29912	5.36257	AVRG		4.81326		9.49726
79 4-Isopropyltoluene	3.21189	3.42429	3.20162	3.66831	3.97295	3.98336	AVRG		3.57707		9.90590
80 1,3-Dichlorobenzene	2.00478	1.88349	1.64716	1.81228	1.93642	1.92277	AVRG		1.86782		6.70846
81 1,4-Dichlorobenzene	2.10416	1.98912	1.73846	1.84621	1.98422	1.95005	AVRG		1.93537		6.56451
82 n-Butylbenzene	2.93112	3.06695	2.95291	3.48837	3.83530	3.80052	AVRG		3.34586		12.47276
83 1,2-Dichlorobenzene	1.84549	1.85008	1.58797	1.67564	1.74893	1.72634	AVRG		1.73908		5.79393
84 1,2-Dibromo-3-chloropropane	4965	13471	16874	50680	103637	220524	WLINR	0.00266	0.15828		0.99099
85 1,2,4-Trichlorobenzene	0.86309	0.87457	0.77675	0.98722	1.12048	1.09703	AVRG		0.95319		14.48123
86 Hexachlorobutadiene	0.64518	0.58281	0.49844	0.58105	0.59159	0.55898	AVRG		0.57634		8.28687
87 Naphthalene	56420	152279	237655	892426	1923251	3726057	WLINR	0.05357	2.79854		0.99446

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STL North Canton

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thod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
st Edit : 05-Jun-2005 09:07 a3ux7.i

Compound	25.0000 Level 1	50.0000 Level 2	100.0000 Level 3	250.0000 Level 4	500.0000 Level 5	1000.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
88 1,2,3-Trichlorobenzene	0.88015	0.98029	0.77187	0.96177	1.03769	0.98872	AVRG		0.93675		10.21716	
89 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
92 Isopropyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
93 2-Chloro-1,3-butadiene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
94 Propionitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
95 Ethyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
96 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
97 Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
98 Cyclohexane	0.67629	0.67025	0.62193	0.72078	0.76636	0.74308	AVRG		0.69978		7.62434	
99 n-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
100 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
101 2-Nitropropane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
103 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

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thod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
st Edit : 05-Jun-2005 09:07 a3ux7.i

Compound	25.0000 Level 1	50.0000 Level 2	100.0000 Level 3	250.0000 Level 4	500.0000 Level 5	1000.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
141 1,3,5-Trichlorobenzene	1.19751	1.15565	1.02136	1.21477	1.34797	1.30917	AVRG		1.20774		9.62451	
143 Methyl Acetate	0.24615	0.24375	0.22410	0.21587	0.22337	0.23185	AVRG		0.23085		5.22551	
144 Methylcyclohexane	0.56307	0.58730	0.55559	0.62952	0.67936	0.65641	AVRG		0.61187		8.33396	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
146 2-Methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
147 Ethyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
148 n-Butyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
149 1,2:3,4-Diepoxybutane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
150 Bromoacetone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
151 Allyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
152 Acenaphthylene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
4 Dibromofluoromethane	0.30235	0.27769	0.25101	0.22377	0.23265	0.24209	AVRG		0.25493		11.65541	
5 1,2-Dichloroethane-d4	0.34721	0.32619	0.28216	0.24968	0.26009	0.27457	AVRG		0.28998		13.26874	
6 Toluene-d8	1.17118	1.12811	1.06702	1.01265	1.07793	1.13277	AVRG		1.09828		5.16959	
7 Bromofluorobenzene	0.65195	0.60048	0.57732	0.54148	0.56975	0.58862	AVRG		0.58827		6.29482	

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STL North Canton

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rget Version : 4.14
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
st Edit : 05-Jun-2005 09:07 a3ux7.i

urve	Formula	Units
veraged	Amt = Rsp/m1	Response
t Linear	Amt = b + Rsp/m1	Response
uad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70950.D
Report Date: 05-Jun-2005 09:13

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70950.D
Lab Smp Id: 1000NG-IC
Inj Date : 04-JUN-2005 17:17
Operator : 402279 Inst ID: a3ux7.i
Smp Info : 1000NG-IC
Misc Info : U50604B-IC,8260SUX7,1-8260.SUB,402279,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
Meth Date : 05-Jun-2005 09:13 a3ux7.i Quant Type: ISTD
Cal Date : 04-JUN-2005 19:19 Cal File: UX70955.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV09

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
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	4.774	4.774	(1.000)	997558	250.000	
* 2 Chlorobenzene-d5	117	7.421	7.421	(1.000)	671936	250.000	(H)
* 3 1,4-Dichlorobenzene-d4	152	9.647	9.647	(1.000)	334766	250.000	
$ 4 Dibromofluoromethane	113	4.209	4.209	(0.882)	965981	1000.00	949.63
$ 5 1,2-Dichloroethane-d4	65	4.489	4.489	(0.940)	1095616	1000.00	946.87
$ 6 Toluene d8	98	6.119	6.119	(1.282)	4520032	1000.00	1031.4(A)
$ 7 Bromofluorobenzene	95	8.528	8.528	(1.149)	1582060	1000.00	1000.6(A)
8 Dichlorodifluoromethane	85	1.331	1.331	(0.279)	923988	1000.00	929.24
9 Chloromethane	50	1.459	1.459	(0.306)	1290863	1000.00	885.56
10 Vinyl Chloride	62	1.544	1.544	(0.323)	1083236	1000.00	837.31
11 Bromomethane	94	1.751	1.751	(0.367)	349794	1000.00	552.62
12 Chloroethane	64	1.842	1.842	(0.386)	552936	1000.00	776.30
13 Trichlorofluoromethane	101	2.037	2.037	(0.427)	1432929	1000.00	1082.1(A)
15 Acrolein	56	2.347	2.347	(0.492)	1452314	10000.0	9669.6
16 Acetone	43	2.469	2.469	(0.517)	1003068	2000.00	2042.0(A)
17 1,1-Dichloroethene	96	2.445	2.445	(0.512)	1055869	1000.00	971.99
18 Freon-113	151	2.457	2.457	(0.515)	762197	1000.00	960.88
19 Iodomethane	142	2.566	2.566	(0.538)	1461528	1000.00	902.00
20 Carbon Disulfide	76	2.627	2.627	(0.550)	3794795	1000.00	907.25
21 Methylene Chloride	84	2.810	2.810	(0.588)	1284352	1000.00	985.56
22 Acetonitrile	41	2.682	2.682	(0.562)	1500625	10000.0	9225.5
23 Acrylonitrile	53	2.992	2.992	(0.627)	4393561	10000.0	9878.8

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70950.D
Report Date: 05-Jun-2005 09:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.041	3.041	(0.637)	2624085	1000.00	1020.7(A)
25 trans-1,2-Dichloroethene	96	3.035	3.035	(0.636)	1314857	1000.00	967.44
26 Hexane	86	3.260	3.260	(0.683)	365492	1000.00	1071.7(A)
27 Vinyl acetate	43	3.400	3.400	(0.712)	2140560	1000.00	1140.6(A)
28 1,1-Dichloroethane	63	3.363	3.363	(0.704)	2302414	1000.00	969.80
29 tert-Butyl Alcohol	59	2.901	2.901	(0.608)	1752799	20000.0	19995
30 2-Butanone	43	3.832	3.832	(0.803)	1428001	2000.00	2046.0(A)
32 cis-1,2-dichloroethene	96	3.825	3.825	(0.801)	1290218	1000.00	992.03
33 2,2-Dichloropropane	77	3.832	3.832	(0.803)	1172562	1000.00	964.55
34 Bromochloromethane	128	4.020	4.020	(0.842)	530630	1000.00	974.62
35 Chloroform	83	4.081	4.081	(0.855)	1983454	1000.00	969.41
36 Tetrahydrofuran	42	4.069	4.069	(0.852)	374423	1000.00	1042.4(A)
37 1,1,1-Trichloroethane	97	4.245	4.245	(0.889)	1541542	1000.00	961.58
38 1,1-Dichloropropene	75	4.379	4.379	(0.917)	1701283	1000.00	1016.2(A)
39 Carbon Tetrachloride	117	4.385	4.385	(0.918)	1415882	1000.00	999.20
40 1,2-Dichloroethane	62	4.549	4.549	(0.953)	1428424	1000.00	987.93
41 Benzene	78	4.549	4.549	(0.953)	5261098	1000.00	989.86
42 Trichloroethene	130	5.085	5.085	(1.065)	1300511	1000.00	1002.4(A)
43 1,2-Dichloropropane	63	5.261	5.261	(1.102)	1263016	1000.00	981.62
44 1,4-Dioxane	88	5.383	5.383	(1.127)	484747	50000.0	51060(A)
45 Dibromomethane	93	5.365	5.365	(1.124)	580006	1000.00	998.03
46 Bromodichloromethane	83	5.492	5.492	(1.150)	1455888	1000.00	1019.8(A)
48 cis-1,3-Dichloropropene	75	5.876	5.876	(1.231)	1804250	1000.00	1085.1(A)
49 4-Methyl-2-pentanone	43	6.009	6.009	(1.259)	2495862	2000.00	2256.9(A)
47 2-Chloroethyl vinyl ether	63	5.742	5.742	(1.203)	1253757	2000.00	2358.2(A)
50 Toluene	91	6.180	6.180	(0.833)	5614228	1000.00	1023.2(A)
51 trans 1,3-Dichloropropene	75	6.362	6.362	(0.857)	1510809	1000.00	1074.6(A)
52 Ethyl Methacrylate	69	6.441	6.441	(0.868)	1380093	1000.00	1177.4(A)
53 1,1,2-Trichloroethane	97	6.527	6.527	(0.879)	905974	1000.00	974.29
54 1,3-Dichloropropane	76	6.679	6.679	(0.900)	1577170	1000.00	984.74
55 Tetrachloroethene	164	6.679	6.679	(0.900)	1003875	1000.00	988.18
56 2-Hexanone	43	6.746	6.746	(0.909)	1989493	2000.00	2143.2(A)
57 Dibromochloromethane	129	6.885	6.885	(0.928)	956657	1000.00	998.36
58 1,2-Dibromoethane	107	6.995	6.995	(0.943)	885928	1000.00	1012.2(A)
59 Chlorobenzene	112	7.451	7.451	(1.004)	3307620	1000.00	998.08
60 1,1,1,2-Tetrachloroethane	131	7.518	7.518	(1.013)	1083303	1000.00	996.99
61 Ethylbenzene	106	7.549	7.549	(1.017)	2006722	1000.00	1060.7(A)
62 m + p-Xylene	106	7.658	7.658	(1.032)	4802929	2000.00	2063.8(A)
64 Xylene-o	106	8.035	8.035	(1.083)	2310808	1000.00	1057.6(A)
65 Styrene	104	8.041	8.041	(1.084)	3888185	1000.00	1060.7(A)
66 Bromoform	173	8.212	8.212	(1.107)	645192	1000.00	1023.3(A)
67 Isopropylbenzene	105	8.382	8.382	(1.130)	6003698	1000.00	1127.1(A)
68 1,1,2,2-Tetrachloroethane	83	8.656	8.656	(0.897)	1170812	1000.00	987.23
69 1,4-Dichloro-2-butene	53	8.710	8.710	(0.903)	434675	1000.00	1094.6(A)
70 1,2,3-Trichloropropane	110	8.698	8.698	(0.902)	372652	1000.00	1001.3(A)
71 Bromobenzene	156	8.674	8.674	(0.899)	1268969	1000.00	1015.4(A)
72 n-Propylbenzene	120	8.777	8.777	(0.910)	1691040	1000.00	1075.3(A)
73 2-Chlorotoluene	126	8.863	8.863	(0.919)	1424669	1000.00	1047.8(A)
74 1,3,5-Trimethylbenzene	105	8.948	8.948	(0.927)	5128233	1000.00	1088.0(A)
75 4-Chlorotoluene	126	8.966	8.966	(0.929)	1392266	1000.00	1014.2(A)
76 tert Butylbenzene	119	9.270	9.270	(0.961)	4492825	1000.00	1136.6(A)
77 1,2,4-Trimethylbenzene	105	9.313	9.313	(0.965)	5222148	1000.00	1098.7(A)
78 sec-Butylbenzene	105	9.483	9.483	(0.983)	7180822	1000.00	1114.1(A)
79 4-Isopropyltoluene	119	9.623	9.623	(0.997)	5333980	1000.00	1113.6(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70950.D
Report Date: 05-Jun-2005 09:13

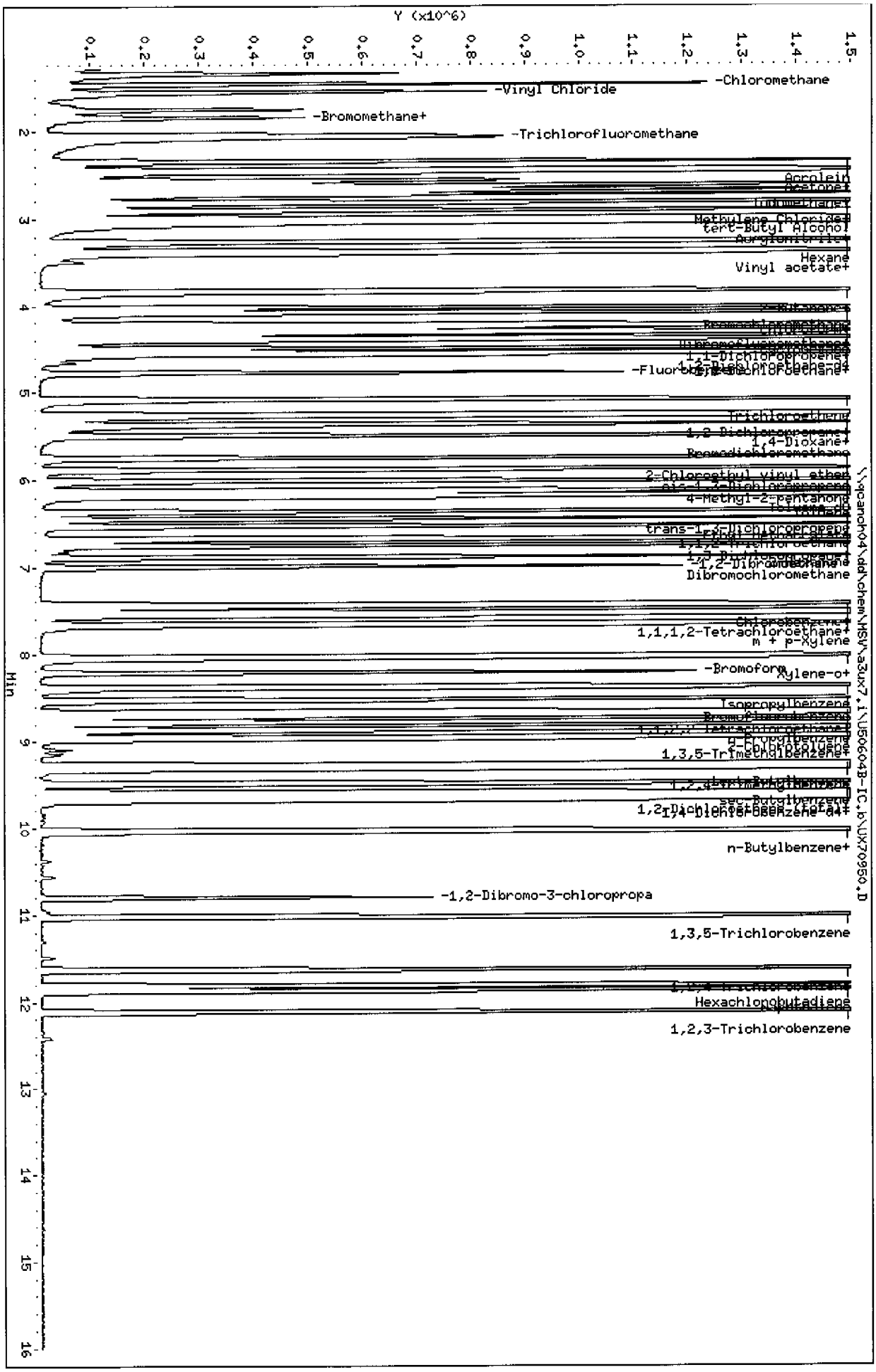
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80 1,3-Dichlorobenzene	146	9.587	9.587	(0.994)	2574709	1000.00	1029.4(A)
81 1,4-Dichlorobenzene	146	9.672	9.672	(1.003)	2611241	1000.00	1007.6(A)
82 n-Butylbenzene	91	10.025	10.025	(1.039)	5089140	1000.00	1135.9(A)
83 1,2-Dichlorobenzene	146	10.037	10.037	(1.040)	2311679	1000.00	992.68
84 1,2-Dibromo-3-chloropropane	157	10.797	10.797	(1.119)	220524	1000.00	1041.1(A)
85 1,2,4 Trichlorobenzene	180	11.631	11.631	(1.206)	1468991	1000.00	1150.9(A)
86 Hexachlorobutadiene	225	11.807	11.807	(1.224)	748515	1000.00	969.88
87 Naphthalene	128	11.868	11.868	(1.230)	3726057	1000.00	1007.7(A)
88 1,2,3-Trichlorobenzene	180	12.111	12.111	(1.255)	1323963	1000.00	1055.5(A)
98 Cyclohexane	56	4.306	4.306	(0.902)	2965057	1000.00	1061.9(A)
143 Methyl Acetate	43	2.730	2.730	(0.572)	1850309	2000.00	2008.7(A)
144 Methylcyclohexane	83	5.255	5.255	(1.101)	2619212	1000.00	1072.8(A)
141 1,3,5-Trichlorobenzene	180	11.022	11.022	(1.143)	1753057	1000.00	1084.0(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7,i\U50604B-IC,b\UX70950,D
Date : 04-JUN-2005 17:17
Client ID:
Sample Info: 1000NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux7,i
Operator: 402279
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70951.D
Report Date: 05-Jun-2005 09:07

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70951.D
Lab Smp Id: 500NG-IC
Inj Date : 04-JUN-2005 17:41
Operator : 402279 Inst ID: a3ux7.i
Smp Info : 500NG-IC
Misc Info : U50604B-IC,8260SUX7,1-8260.SUB,402279,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
Meth Date : 05-Jun-2005 09:07 a3ux7.i Quant Type: ISTD
Cal Date : 04-JUN-2005 17:17 Cal File: UX70950.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV09

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
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	4.775	4.775	(1.000)	992708	250.000	
* 2 Chlorobenzene-d5	117	7.422	7.422	(1.000)	668790	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.648	9.648	(1.000)	341054	250.000	
$ 4 Dibromofluoromethane	113	4.216	4.216	(0.883)	461912	500.000	480.52
$ 5 1,2-Dichloroethane-d4	65	4.489	4.489	(0.940)	516377	500.000	473.61
$ 6 Toluene-d8	98	6.120	6.120	(1.282)	2140143	500.000	475.79
$ 7 Bromofluorobenzene	95	8.529	8.529	(1.149)	762084	500.000	483.97
8 Dichlorodifluoromethane	85	1.338	1.338	(0.280)	518005	500.000	563.36
9 Chloromethane	50	1.460	1.460	(0.306)	749192	500.000	583.22
10 Vinyl Chloride	62	1.545	1.545	(0.324)	662114	500.000	614.22
11 Bromomethane	94	1.776	1.776	(0.372)	280401	500.000	805.53
12 Chloroethane	64	1.855	1.855	(0.389)	371109	500.000	674.44
13 Trichlorofluoromethane	101	2.050	2.050	(0.429)	758367	500.000	531.83
15 Acrolein	56	2.354	2.354	(0.493)	704050	5000.00	4871.5
16 Acetone	43	2.476	2.476	(0.518)	497092	1000.00	995.98
17 1,1-Dichloroethene	96	2.451	2.451	(0.513)	553302	500.000	526.58
18 Freon-113	151	2.464	2.464	(0.516)	395290	500.000	521.15
19 Iodomethane	142	2.573	2.573	(0.539)	762458	500.000	524.23
20 Carbon Disulfide	76	2.634	2.634	(0.552)	1985270	500.000	525.71
21 Methylene Chloride	84	2.816	2.816	(0.590)	689392	500.000	539.38
22 Acetonitrile	41	2.683	2.683	(0.562)	739979	5000.00	4955.2
23 Acrylonitrile	53	2.999	2.999	(0.628)	2109755	5000.00	4825.4

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70951.D
Report Date: 05-Jun-2005 09:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.041	3.041	(0.637)	1285992	500.000	492.47
25 trans 1,2-Dichloroethene	96	3.041	3.041	(0.637)	689406	500.000	526.88
26 Hexane	86	3.267	3.267	(0.684)	181050	500.000	497.78
27 Vinyl acetate	43	3.400	3.400	(0.712)	952754	500.000	447.27
28 1,1-Dichloroethane	63	3.370	3.370	(0.706)	1178905	500.000	514.53
29 tert-Butyl Alcohol	59	2.895	2.895	(0.606)	811777	10000.0	9307.9
30 2-Butanone	43	3.832	3.832	(0.803)	666576	1000.00	938.14
32 cis-1,2-dichloroethene	96	3.832	3.832	(0.803)	661957	500.000	515.56
33 2,2-Dichloropropane	77	3.838	3.838	(0.804)	618384	500.000	529.96
34 Bromochloromethane	128	4.027	4.027	(0.843)	266016	500.000	503.77
35 Chloroform	83	4.082	4.082	(0.855)	1013648	500.000	513.55
36 Tetrahydrofuran	42	4.076	4.076	(0.854)	173738	500.000	466.28
37 1,1,1-Trichloroethane	97	4.246	4.246	(0.889)	813943	500.000	530.58
38 1,1-Dichloropropene	75	4.380	4.380	(0.917)	869239	500.000	513.43
39 Carbon Tetrachloride	117	4.392	4.392	(0.920)	725406	500.000	514.84
40 1,2-Dichloroethane	62	4.550	4.550	(0.953)	707409	500.000	497.66
41 Benzene	78	4.550	4.550	(0.953)	2677142	500.000	511.34
42 Trichloroethene	130	5.086	5.086	(1.065)	655157	500.000	506.23
43 1,2-Dichloropropane	63	5.262	5.262	(1.102)	644083	500.000	512.45
44 1,4-Dioxane	88	5.378	5.378	(1.126)	243086	25000.0	25196
45 Dibromomethane	93	5.365	5.365	(1.124)	283959	500.000	491.97
46 Bromodichloromethane	83	5.493	5.493	(1.150)	714568	500.000	493.21
48 cis-1,3-Dichloropropene	75	5.876	5.876	(1.231)	878021	500.000	489.02
49 4-Methyl-2 pentanone	43	6.004	6.004	(1.257)	1133836	1000.00	913.01
47 2-Chloroethyl vinyl ether	63	5.743	5.743	(1.203)	570732	1000.00	914.88
50 Toluene	91	6.181	6.181	(0.833)	2776925	500.000	496.95
51 trans-1,3-Dichloropropene	75	6.363	6.363	(0.857)	716980	500.000	476.80
52 Ethyl Methacrylate	69	6.442	6.442	(0.868)	627268	500.000	456.65
53 1,1,2-Trichloroethane	97	6.527	6.527	(0.880)	436950	500.000	484.57
54 1,3-Dichloropropane	76	6.679	6.679	(0.900)	768545	500.000	489.58
55 Tetrachloroethene	164	6.673	6.673	(0.899)	508331	500.000	508.75
56 2-Hexanone	43	6.746	6.746	(0.909)	921199	1000.00	930.42
57 Dibromochloromethane	129	6.886	6.886	(0.928)	458818	500.000	481.86
58 1,2-Dibromoethane	107	6.996	6.996	(0.943)	421460	500.000	477.96
59 Chlorobenzene	112	7.446	7.446	(1.003)	1644612	500.000	499.56
60 1,1,1,2-Tetrachloroethane	131	7.519	7.519	(1.013)	540533	500.000	501.31
61 Ethylbenzene	106	7.549	7.549	(1.017)	1003356	500.000	502.35
62 m + p-Xylene	106	7.659	7.659	(1.032)	2462261	1000.00	1030.1
64 Xylene-o	106	8.030	8.030	(1.082)	1176280	500.000	511.43
65 Styrene	104	8.042	8.042	(1.084)	1964667	500.000	507.67
66 Bromoform	173	8.212	8.212	(1.107)	309738	500.000	482.33
67 Isopropylbenzene	105	8.383	8.383	(1.129)	3000145	500.000	502.07
68 1,1,2,2-Tetrachloroethane	83	8.657	8.657	(0.897)	568313	500.000	476.45
69 1,4-Dichloro-2-butene	53	8.711	8.711	(0.903)	204490	500.000	461.77
70 1,2,3-Trichloropropane	110	8.699	8.699	(0.902)	178396	500.000	469.89
71 Bromobenzene	156	8.675	8.675	(0.899)	647688	500.000	500.99
72 n-Propylbenzene	120	8.778	8.778	(0.910)	860299	500.000	499.36
73 2-Chlorotoluene	126	8.863	8.863	(0.919)	725339	500.000	499.74
74 1,3,5-Trimethylbenzene	105	8.949	8.949	(0.927)	2612836	500.000	500.11
75 4-Chlorotoluene	126	8.967	8.967	(0.929)	717353	500.000	505.74
76 tert-Butylbenzene	119	9.265	9.265	(0.960)	2213173	500.000	483.52
77 1,2,4-Trimethylbenzene	105	9.314	9.314	(0.965)	2663441	500.000	500.62
78 sec-Butylbenzene	105	9.478	9.478	(0.982)	3614571	500.000	494.08
79 4-Isopropyltoluene	119	9.624	9.624	(0.997)	2709984	500.000	498.69

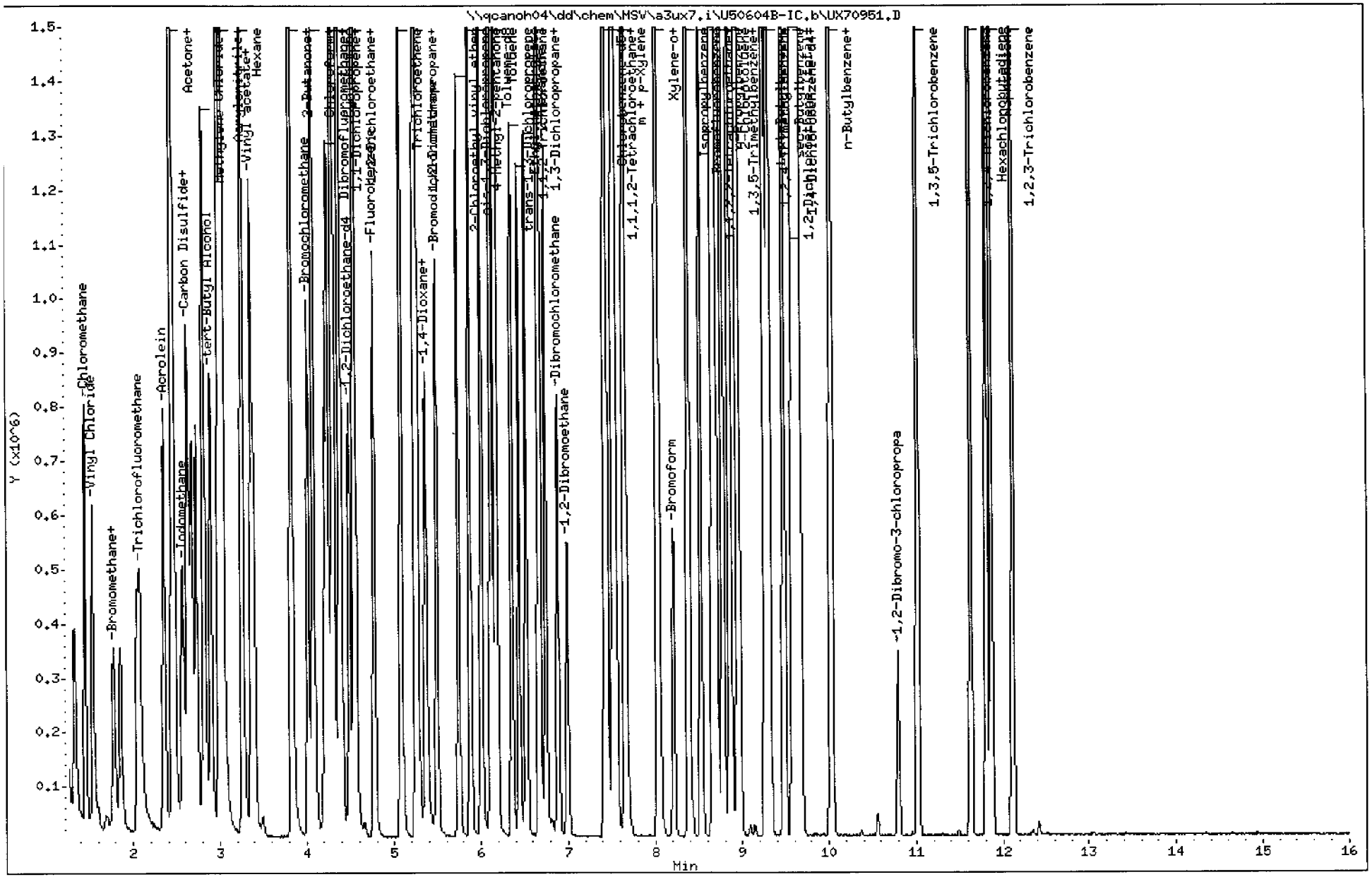
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70951.D
Report Date: 05-Jun-2005 09:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80 1,3 Dichlorobenzene	146	9.587	9.587	(0.994)	1320847	500.000	503.55
81 1,4 Dichlorobenzene	146	9.672	9.672	(1.003)	1353449	500.000	508.76
82 n-Butylbenzene	91	10.025	10.025	(1.039)	2616087	500.000	504.58
83 1,2-Dichlorobenzene	146	10.037	10.037	(1.040)	1192959	500.000	506.54
84 1,2-Dibromo-3-chloropropane	157	10.798	10.798	(1.119)	103637	500.000	461.29
85 1,2,4-Trichlorobenzene	180	11.631	11.631	(1.206)	764291	500.000	510.69
86 Hexachlorobutadiene	225	11.808	11.808	(1.224)	403528	500.000	529.16
87 Naphthalene	128	11.869	11.869	(1.230)	1923251	500.000	506.65
88 1,2,3-Trichlorobenzene	180	12.112	12.112	(1.255)	707814	500.000	524.76
98 Cyclohexane	56	4.307	4.307	(0.902)	1521539	500.000	515.66
143 Methyl Acetate	43	2.731	2.731	(0.572)	886947	1000.00	963.38
144 Methylcyclohexane	83	5.256	5.256	(1.101)	1348806	500.000	517.48
141 1,3,5-Trichlorobenzene	180	11.017	11.017	(1.142)	919463	500.000	514.82

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70951.D
Date : 04-JUN-2005 17:41
Client ID:
Sample Info: 500NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux7.i

Operator: 402279
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70952.D
Report Date: 05-Jun-2005 09:07

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70952.D
Lab Smp Id: 250NG-IC
Inj Date : 04-JUN-2005 18:06
Operator : 402279 Inst ID: a3ux7.i
Smp Info : 250NG-IC
Misc Info : U50604B-IC,8260SUX7,1-8260.SUB,402279,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
Meth Date : 05-Jun-2005 09:07 a3ux7.i Quant Type: ISTD
Cal Date : 04-JUN-2005 17:41 Cal File: UX70951.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV09

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
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	4.774	4.774	(1.000)	1076260	250.000	
* 2 Chlorobenzene-d5	117	7.421	7.421	(1.000)	715648	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.647	9.647	(1.000)	366066	250.000	
$ 4 Dibromofluoromethane	113	4.215	4.215	(0.883)	240839	250.000	235.68
$ 5 1,2-Dichloroethane-d4	65	4.488	4.488	(0.940)	268721	250.000	233.49
$ 6 Toluene-d8	98	6.119	6.119	(1.282)	1089876	250.000	229.03
$ 7 Bromofluorobenzene	95	8.528	8.528	(1.149)	387511	250.000	233.73
8 Dichlorodifluoromethane	85	1.337	1.337	(0.280)	260395	250.000	245.64
9 Chloromethane	50	1.459	1.459	(0.306)	386400	250.000	256.13
10 Vinyl Chloride	62	1.544	1.544	(0.323)	343320	250.000	263.65
11 Bromomethane	94	1.787	1.787	(0.374)	167595	250.000	340.16
12 Chloroethane	64	1.860	1.860	(0.390)	197494	250.000	281.88
13 Trichlorofluoromethane	101	2.049	2.049	(0.429)	374049	250.000	234.49
15 Acrolein	56	2.359	2.359	(0.494)	375544	2500.00	2427.9
16 Acetone	43	2.469	2.469	(0.517)	246139	500.000	455.80
17 1,1 Dichloroethene	96	2.450	2.450	(0.513)	273943	250.000	234.25
18 Freon-113	151	2.463	2.463	(0.516)	203391	250.000	242.21
19 Iodomethane	142	2.572	2.572	(0.539)	411519	250.000	254.80
20 Carbon Disulfide	76	2.633	2.633	(0.552)	1108494	250.000	263.96
21 Methylene Chloride	84	2.815	2.815	(0.590)	366896	250.000	254.74
22 Acetonitrile	41	2.682	2.682	(0.562)	390680	2500.00	2423.9
23 Acrylonitrile	53	2.998	2.998	(0.628)	1104423	2500.00	2371.3

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70952.D
Report Date: 05-Jun-2005 09:07

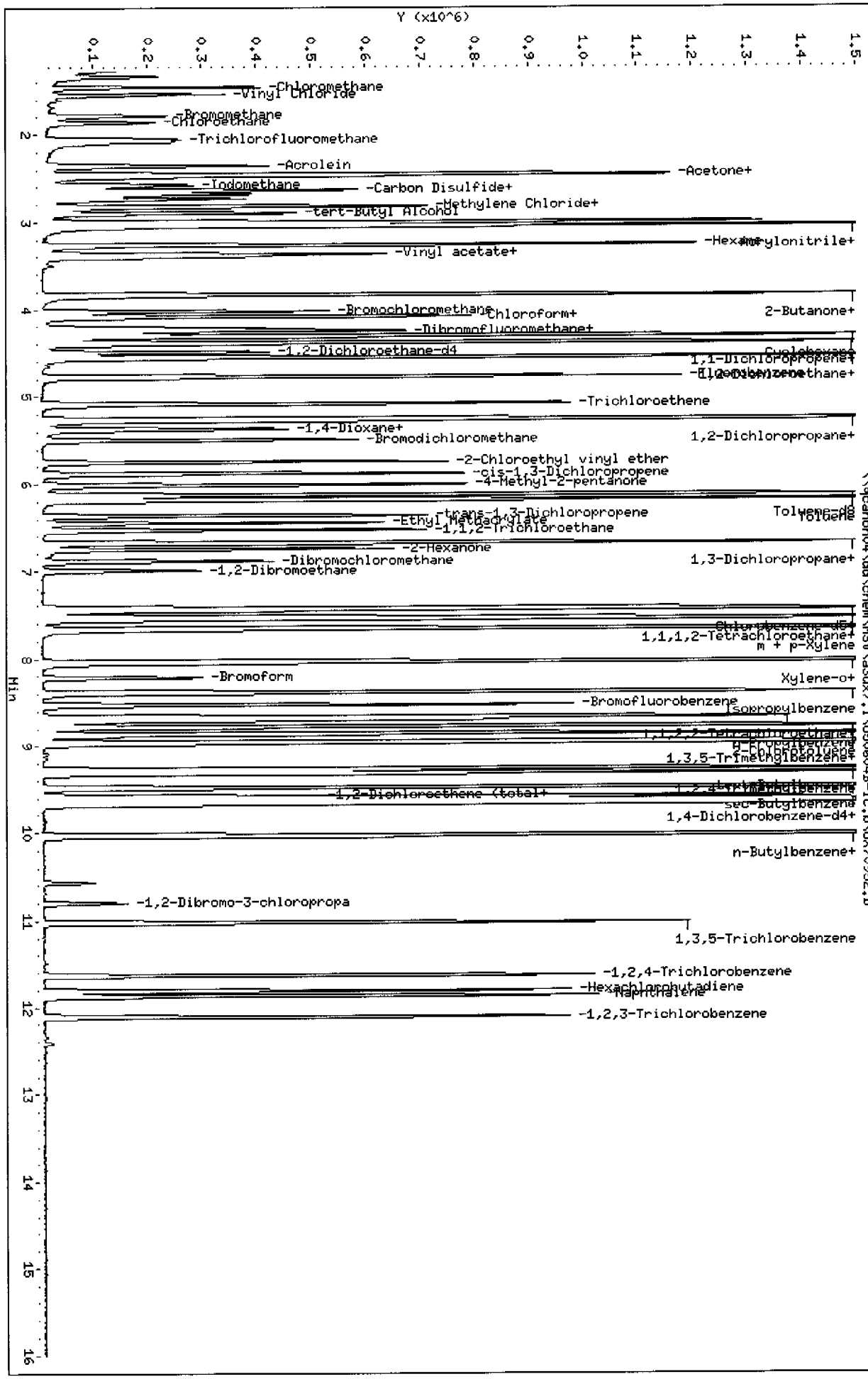
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.041	3.041	(0.637)	666502	250.000	237.21
25 trans-1,2-Dichloroethene	96	3.041	3.041	(0.637)	354448	250.000	243.32
26 Hexane	86	3.266	3.266	(0.684)	92414	250.000	234.88
27 Vinyl acetate	43	3.399	3.399	(0.712)	498483	250.000	227.86
28 1,1-Dichloroethane	63	3.369	3.369	(0.706)	618464	250.000	245.41
29 tert-Butyl Alcohol	59	2.895	2.895	(0.606)	428140	5000.00	4690.3
30 2-Butanone	43	3.831	3.831	(0.803)	340767	500.000	456.48
32 cis-1,2-dichloroethene	96	3.831	3.831	(0.803)	348138	250.000	246.26
33 2,2-Dichloropropane	77	3.837	3.837	(0.804)	325786	250.000	250.03
34 Bromochloromethane	128	4.020	4.020	(0.842)	143889	250.000	250.39
35 Chloroform	83	4.087	4.087	(0.856)	528531	250.000	243.68
36 Tetrahydrofuran	42	4.075	4.075	(0.853)	93855	250.000	240.44
37 1,1,1-Trichloroethane	97	4.251	4.251	(0.890)	425736	250.000	248.38
38 1,1-Dichloropropene	75	4.385	4.385	(0.918)	453034	250.000	243.55
39 Carbon Tetrachloride	117	4.391	4.391	(0.920)	372836	250.000	240.50
40 1,2-Dichloroethane	62	4.549	4.549	(0.953)	372777	250.000	242.46
41 Benzene	78	4.549	4.549	(0.953)	1403720	250.000	244.53
42 Trichloroethene	130	5.085	5.085	(1.065)	337527	250.000	239.07
43 1,2 Dichloropropane	63	5.261	5.261	(1.102)	345609	250.000	250.51
44 1,4-Dioxane	88	5.377	5.377	(1.126)	122943	12500.0	11708
45 Dibromomethane	93	5.364	5.364	(1.124)	149436	250.000	240.74
46 Bromodichloromethane	83	5.492	5.492	(1.150)	375487	250.000	240.68
48 cis-1,3-Dichloropropene	75	5.881	5.881	(1.232)	455657	250.000	236.68
49 4-Methyl-2-pentanone	43	6.003	6.003	(1.257)	581027	500.000	451.17
47 2-Chloroethyl vinyl ether	63	5.742	5.742	(1.203)	300559	500.000	464.15
50 Toluene	91	6.180	6.180	(0.833)	1446543	250.000	242.66
51 trans-1,3-Dichloropropene	75	6.362	6.362	(0.857)	372972	250.000	237.30
52 Ethyl Methacrylate	69	6.441	6.441	(0.868)	316798	250.000	225.29
53 1,1,2-Trichloroethane	97	6.526	6.526	(0.879)	233716	250.000	246.01
54 1,3-Dichloropropane	76	6.678	6.678	(0.900)	406477	250.000	244.53
55 Tetrachloroethene	164	6.678	6.678	(0.900)	260801	250.000	241.81
56 2-Hexanone	43	6.745	6.745	(0.909)	482650	500.000	471.98
57 Dibromochloromethane	129	6.885	6.885	(0.928)	245733	250.000	245.63
58 1,2-Dibromoethane	107	6.995	6.995	(0.943)	220942	250.000	239.43
59 Chlorobenzene	112	7.445	7.445	(1.003)	857144	250.000	243.42
60 1,1,1,2-Tetrachloroethane	131	7.518	7.518	(1.013)	280171	250.000	242.51
61 Ethylbenzene	106	7.548	7.548	(1.017)	507883	250.000	237.07
62 m + p-Xylene	106	7.658	7.658	(1.032)	1257337	500.000	484.29
64 Xylene-o	106	8.035	8.035	(1.083)	602486	250.000	242.03
65 Styrene	104	8.041	8.041	(1.084)	1002803	250.000	240.31
66 Bromoform	173	8.211	8.211	(1.107)	159180	250.000	235.81
67 Isopropylbenzene	105	8.382	8.382	(1.130)	1486064	250.000	231.93
68 1,1,2,2-Tetrachloroethane	83	8.656	8.656	(0.897)	295799	250.000	236.61
69 1,4-Dichloro 2-butene	53	8.710	8.710	(0.903)	99074	250.000	216.72
70 1,2,3-Trichloropropane	110	8.698	8.698	(0.902)	94106	250.000	238.11
71 Bromobenzene	156	8.674	8.674	(0.899)	330321	250.000	237.81
72 n-Propylbenzene	120	8.777	8.777	(0.910)	440181	250.000	238.20
73 2-Chlorotoluene	126	8.862	8.862	(0.919)	366617	250.000	235.39
74 1,3,5-Trimethylbenzene	105	8.948	8.948	(0.927)	1326772	250.000	236.57
75 4-Chlorotoluene	126	8.966	8.966	(0.929)	370718	250.000	242.11
76 tert-Butylbenzene	119	9.264	9.264	(0.960)	1097602	250.000	227.16
77 1,2,4-Trimethylbenzene	105	9.313	9.313	(0.965)	1325391	250.000	231.96
78 sec-Butylbenzene	105	9.483	9.483	(0.983)	1803333	250.000	231.02
79 4-Isopropyltoluene	119	9.623	9.623	(0.997)	1342845	250.000	230.53

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70952.D
Report Date: 05-Jun-2005 09:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80 1,3 Dichlorobenzene	146	9.586	9.586	(0.994)	663415	250.000	234.80
81 1,4-Dichlorobenzene	146	9.671	9.671	(1.003)	675834	250.000	234.63
82 n-Butylbenzene	91	10.024	10.024	(1.039)	1276972	250.000	228.42
83 1,2-Dichlorobenzene	146	10.037	10.037	(1.040)	613395	250.000	241.08
84 1,2-Dibromo-3-chloropropane	157	10.797	10.797	(1.119)	50680	250.000	218.63
85 1,2,4-Trichlorobenzene	180	11.630	11.630	(1.206)	361389	250.000	222.60
86 Hexachlorobutadiene	225	11.807	11.807	(1.224)	212703	250.000	252.50
87 Naphthalene	128	11.868	11.868	(1.230)	892426	250.000	217.58
88 1,2,3-Trichlorobenzene	180	12.111	12.111	(1.255)	352073	250.000	237.31
98 Cyclohexane	56	4.306	4.306	(0.902)	775750	250.000	238.76
143 Methyl Acetate	43	2.730	2.730	(0.572)	464666	500.000	474.21
144 Methylcyclohexane	83	5.255	5.255	(1.101)	677526	250.000	235.64
141 1,3,5-Trichlorobenzene	180	11.016	11.016	(1.142)	444687	250.000	228.59

Data File: \\qcanon04\dd\chem\MSV\a3ux7.i\U506048-IC.b\UX70952.D
Date : 04-JUN-2005 18:06
Client ID:
Sample Info: 250NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux7.i
Operator: 402279
Column diameter: 0.18



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Report Date: 05-Jun-2005 09:07

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70953.D
Lab Smp Id: 100NG-IC
Inj Date : 04-JUN-2005 18:30
Operator : 402279 Inst ID: a3ux7.i
Smp Info : 100NG-IC
Misc Info : U50604B-IC,8260SUX7,1-8260.SUB,402279,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
Meth Date : 05-Jun-2005 09:07 a3ux7.i Quant Type: ISTD
Cal Date : 04-JUN-2005 18:06 Cal File: UX70952.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV09

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
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	4.777	4.777	(1.000)	1019479	250.000	
* 2 Chlorobenzene-d5	117	7.423	7.423	(1.000)	646129	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.650	9.650	(1.000)	329416	250.000	
$ 4 Dibromofluoromethane	113	4.211	4.211	(0.882)	102360	100.000	107.80
$ 5 1,2-Dichloroethane-d4	65	4.491	4.491	(0.940)	115061	100.000	107.92
$ 6 Toluene-d8	98	6.121	6.121	(1.281)	435123	100.000	99.308
$ 7 Bromofluorobenzene	95	8.524	8.524	(1.148)	149208	100.000	101.89
8 Dichlorodifluoromethane	85	1.340	1.340	(0.281)	101925	100.000	102.10
9 Chloromethane	50	1.461	1.461	(0.306)	149308	100.000	103.64
10 Vinyl Chloride	62	1.547	1.547	(0.324)	136390	100.000	108.60
11 Bromomethane	94	1.796	1.796	(0.376)	63877	100.000	122.18
12 Chloroethane	64	1.869	1.869	(0.391)	71237	100.000	102.96
13 Trichlorofluoromethane	101	2.051	2.051	(0.430)	122468	100.000	82.761
15 Acrolein	56	2.356	2.356	(0.493)	149806	1000.00	1032.4
16 Acetone	43	2.477	2.477	(0.519)	107907	200.000	217.36
17 1,1-Dichloroethene	96	2.459	2.459	(0.515)	99125	100.000	91.402
18 Freon-113	151	2.471	2.471	(0.517)	73764	100.000	93.709
19 Iodomethane	142	2.575	2.575	(0.539)	160975	100.000	104.55
20 Carbon Disulfide	76	2.635	2.635	(0.552)	404250	100.000	99.767
21 Methylene Chloride	84	2.818	2.818	(0.590)	166266	100.000	121.10
22 Acetonitrile	41	2.684	2.684	(0.562)	161229	1000.00	1066.8
23 Acrylonitrile	53	3.001	3.001	(0.628)	441323	1000.00	1017.8

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70953.D
Report Date: 05-Jun-2005 09:07

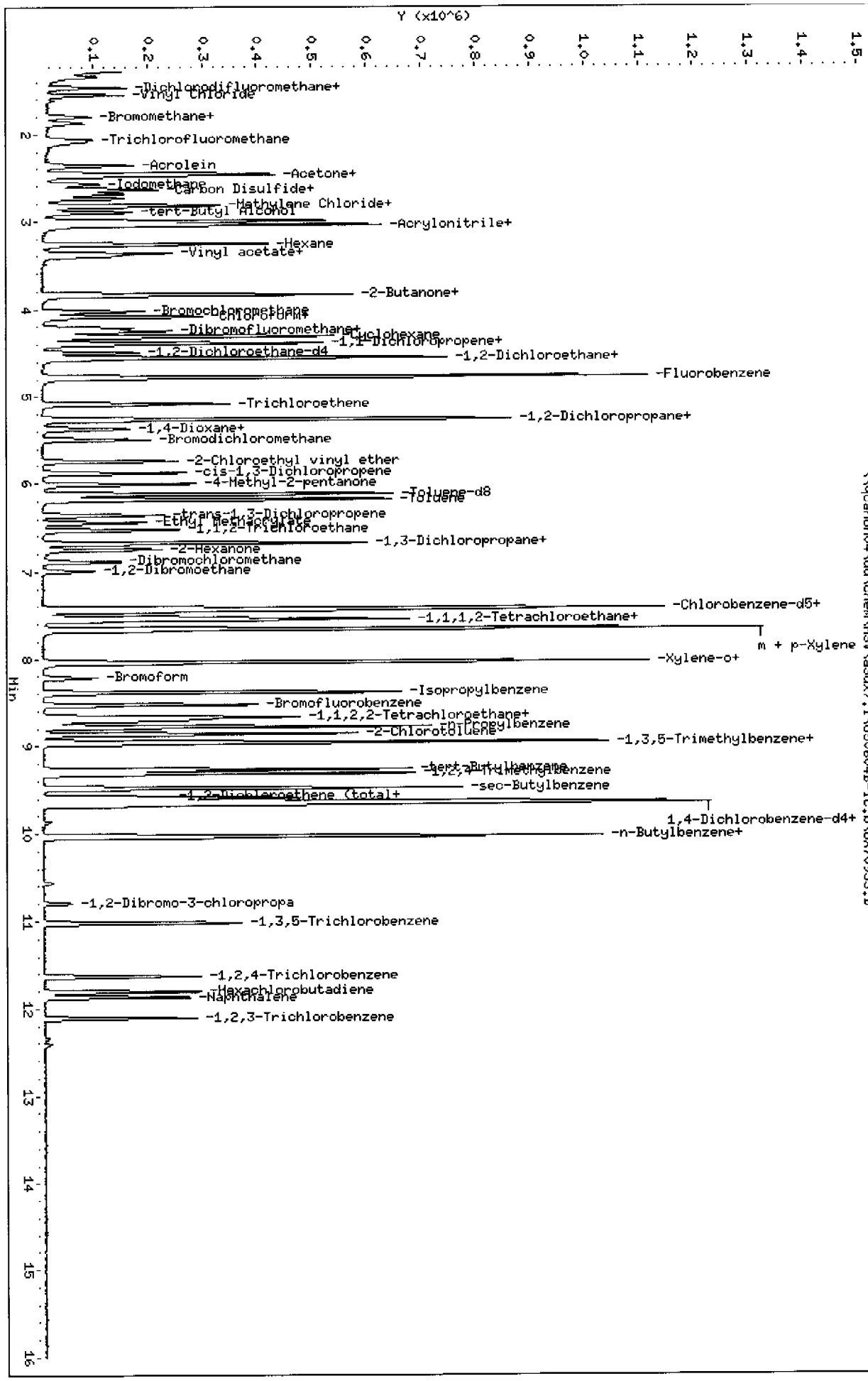
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.043	3.043	(0.637)	234431	100.000	89.609
25 trans-1,2-Dichloroethene	96	3.043	3.043	(0.637)	124858	100.000	91.298
26 Hexane	86	3.268	3.268	(0.684)	32399	100.000	88.720
27 Vinyl acetate	43	3.402	3.402	(0.712)	180337	100.000	89.672
28 1,1-Dichloroethane	63	3.372	3.372	(0.706)	223629	100.000	94.256
29 tert-Butyl Alcohol	59	2.897	2.897	(0.607)	149685	2000.00	1767.6
30 2-Butanone	43	3.834	3.834	(0.803)	133960	200.000	195.10
32 cis-1,2-dichloroethene	96	3.834	3.834	(0.803)	120304	100.000	90.290
33 2,2-Dichloropropane	77	3.840	3.840	(0.804)	113439	100.000	91.907
34 Bromochloromethane	128	4.023	4.023	(0.842)	51618	100.000	94.778
35 Chloroform	83	4.083	4.083	(0.855)	189805	100.000	93.170
36 Tetrahydrofuran	42	4.071	4.071	(0.852)	37523	100.000	102.79
37 1,1,1-Trichloroethane	97	4.248	4.248	(0.889)	144066	100.000	88.924
38 1,1-Dichloropropene	75	4.381	4.381	(0.917)	150278	100.000	86.028
39 Carbon Tetrachloride	117	4.394	4.394	(0.920)	130127	100.000	89.751
40 1,2-Dichloroethane	62	4.552	4.552	(0.953)	131607	100.000	91.283
41 Benzene	78	4.552	4.552	(0.953)	492497	100.000	91.237
42 Trichloroethene	130	5.087	5.087	(1.065)	118621	100.000	90.009
43 1,2-Dichloropropane	63	5.264	5.264	(1.102)	116859	100.000	89.360
44 1,4-Dioxane	88	5.385	5.385	(1.127)	38742	5000.00	3979.0
45 Dibromomethane	93	5.361	5.361	(1.122)	51548	100.000	88.764
46 Bromodichloromethane	83	5.495	5.495	(1.150)	127841	100.000	87.597
48 cis-1,3-Dichloropropene	75	5.878	5.878	(1.230)	147802	100.000	82.513
49 4-Methyl-2-pentanone	43	6.006	6.006	(1.257)	207235	200.000	175.60
47 2-Chloroethyl vinyl ether	63	5.744	5.744	(1.202)	99593	200.000	166.34
50 Toluene	91	6.182	6.182	(0.833)	487497	100.000	91.472
51 trans-1,3-Dichloropropene	75	6.365	6.365	(0.857)	122695	100.000	87.951
52 Ethyl Methacrylate	69	6.444	6.444	(0.868)	98733	100.000	80.419
53 1,1,2-Trichloroethane	97	6.523	6.523	(0.879)	82293	100.000	96.455
54 1,3-Dichloropropane	76	6.675	6.675	(0.899)	140178	100.000	94.088
55 Tetrachloroethene	164	6.675	6.675	(0.899)	93301	100.000	96.872
56 2-Hexanone	43	6.748	6.748	(0.909)	166729	200.000	184.02
57 Dibromochloromethane	129	6.882	6.882	(0.927)	82711	100.000	92.109
58 1,2-Dibromoethane	107	6.991	6.991	(0.942)	77141	100.000	93.915
59 Chlorobenzene	112	7.448	7.448	(1.003)	287102	100.000	91.106
60 1,1,1,2-Tetrachloroethane	131	7.521	7.521	(1.013)	93822	100.000	90.856
61 Ethylbenzene	106	7.551	7.551	(1.017)	164095	100.000	86.327
62 m + p-Xylene	106	7.660	7.660	(1.032)	418298	200.000	180.34
64 Xylene-o	106	8.032	8.032	(1.082)	192594	100.000	86.614
65 Styrene	104	8.044	8.044	(1.084)	324942	100.000	87.376
66 Bromoform	173	8.214	8.214	(1.107)	54497	100.000	91.144
67 Isopropylbenzene	105	8.384	8.384	(1.129)	460263	100.000	81.525
68 1,1,2,2-Tetrachloroethane	83	8.652	8.652	(0.897)	101253	100.000	91.640
69 1,4-Dichloro-2-butene	53	8.713	8.713	(0.903)	34359	100.000	87.400
70 1,2,3-Trichloropropane	110	8.695	8.695	(0.901)	31878	100.000	91.076
71 Bromobenzene	156	8.676	8.676	(0.899)	113797	100.000	92.546
72 n-Propylbenzene	120	8.780	8.780	(0.910)	143321	100.000	87.563
73 2-Chlorotoluene	126	8.859	8.859	(0.918)	123839	100.000	90.114
74 1,3,5-Trimethylbenzene	105	8.950	8.950	(0.927)	424135	100.000	85.572
75 4-Chlorotoluene	126	8.962	8.962	(0.929)	125851	100.000	92.307
76 tert-Butylbenzene	119	9.266	9.266	(0.960)	348127	100.000	82.578
77 1,2,4-Trimethylbenzene	105	9.309	9.309	(0.965)	431664	100.000	86.020
78 sec-Butylbenzene	105	9.479	9.479	(0.982)	570536	100.000	83.332
79 4-Isopropyltoluene	119	9.625	9.625	(0.997)	421866	100.000	82.625

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70953.D
Report Date: 05-Jun-2005 09:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80 1,3-Dichlorobenzene	146	9.583	9.583	(0.993)	217041	100.000	87.129
81 1,4-Dichlorobenzene	146	9.668	9.668	(1.002)	229070	100.000	90.224
82 n-Butylbenzene	91	10.027	10.027	(1.039)	389094	100.000	79.635
83 1,2-Dichlorobenzene	146	10.039	10.039	(1.040)	209241	100.000	92.487
84 1,2 Dibromo-3-chloropropane	157	10.800	10.800	(1.119)	16874	100.000	84.423
85 1,2,4 Trichlorobenzene	180	11.627	11.627	(1.205)	102349	100.000	72.712
86 Hexachlorobutadiene	225	11.809	11.809	(1.224)	65677	100.000	86.353
87 Naphthalene	128	11.870	11.870	(1.230)	237655	100.000	67.298
88 1,2,3-Trichlorobenzene	180	12.114	12.114	(1.255)	101706	100.000	77.492
98 Cyclohexane	56	4.308	4.308	(0.902)	253618	100.000	83.660
143 Methyl Acetate	43	2.733	2.733	(0.572)	182769	200.000	200.36
144 Methylcyclohexane	83	5.257	5.257	(1.101)	226566	100.000	84.811
141 1,3,5-Trichlorobenzene	180	11.019	11.019	(1.142)	134581	100.000	79.136

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70953.D
Date : 04-JUN-2005 18:30
Client ID:
Sample Info: 100NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux7.i
Operator: 402279
Column diameter: 0.18



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Report Date: 05-Jun-2005 09:07

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70954.D
Lab Smp Id: 50NG-IC
Inj Date : 04-JUN-2005 18:55
Operator : 402279 Inst ID: a3ux7.i
Smp Info : 50NG-IC
Misc Info : U50604B-IC,8260SUX7,1-8260.SUB,402279,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
Meth Date : 05-Jun-2005 09:07 a3ux7.i Quant Type: ISTD
Cal Date : 04-JUN-2005 18:30 Cal File: UX70953.D
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV09

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
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	4.774	4.774	(1.000)	1060011	250.000	
* 2 Chlorobenzene-d5	117	7.420	7.420	(1.000)	684247	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.646	9.646	(1.000)	340155	250.000	
$ 4 Dibromofluoromethane	113	4.214	4.214	(0.883)	58871	50.0000	58.490
$ 5 1,2-Dichloroethane-d4	65	4.494	4.494	(0.941)	69153	50.0000	61.170
$ 6 Toluene-d8	98	6.124	6.124	(1.283)	239162	50.0000	52.588
$ 7 Bromofluorobenzene	95	8.521	8.521	(1.148)	82176	50.0000	52.740
8 Dichlorodifluoromethane	85	1.343	1.343	(0.281)	47833	50.0000	45.842
9 Chloromethane	50	1.458	1.458	(0.306)	73072	50.0000	48.341
10 Vinyl Chloride	62	1.543	1.543	(0.323)	68206	50.0000	51.132
11 Bromomethane	94	1.793	1.793	(0.376)	30423	50.0000	53.026
12 Chloroethane	64	1.866	1.866	(0.391)	37614	50.0000	51.902
13 Trichlorofluoromethane	101	2.054	2.054	(0.430)	59645	50.0000	40.512
15 Acrolein	56	2.359	2.359	(0.494)	83317	500.000	547.78
16 Acetone	43	2.474	2.474	(0.518)	74230	100.000	140.75
17 1,1-Dichloroethene	96	2.450	2.450	(0.513)	60415	50.0000	54.755
18 Freon 113	151	2.468	2.468	(0.517)	40649	50.0000	50.459
19 Iodomethane	142	2.578	2.578	(0.540)	91120	50.0000	56.279
20 Carbon Disulfide	76	2.632	2.632	(0.551)	229388	50.0000	54.479
21 Methylene Chloride	84	2.821	2.821	(0.591)	101460	50.0000	67.514
22 Acetonitrile	41	2.681	2.681	(0.562)	93782	500.000	587.02
23 Acrylonitrile	53	2.997	2.997	(0.628)	249080	500.000	550.03

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70954.D
Report Date: 05-Jun-2005 09:07

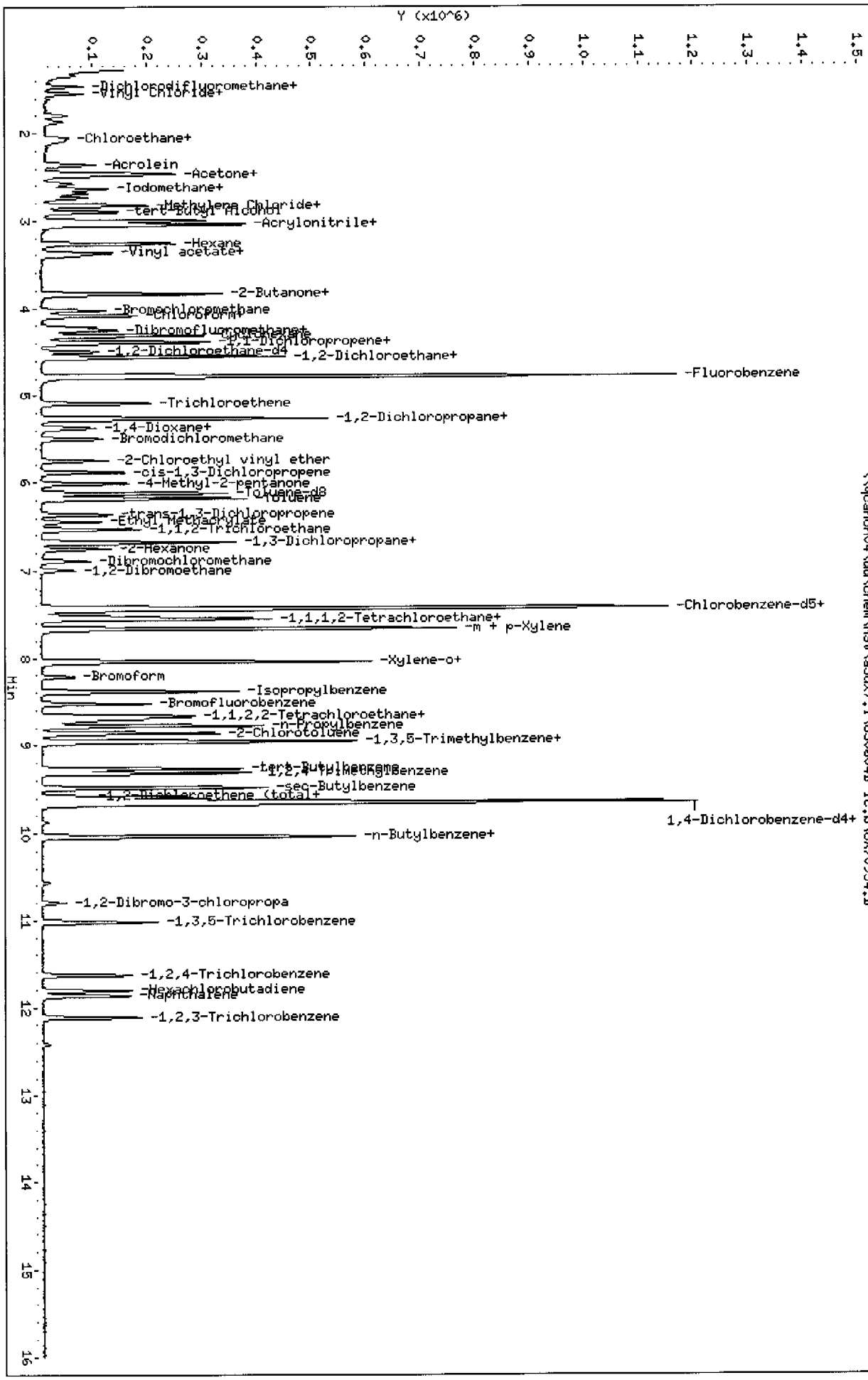
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.046	3.046	(0.638)	149005	50.0000	56.239
25 trans-1,2-Dichloroethene	96	3.040	3.040	(0.637)	75627	50.0000	54.368
26 Hexane	86	3.265	3.265	(0.684)	16653	50.0000	45.131
27 Vinyl acetate	43	3.399	3.399	(0.712)	94155	50.0000	46.221
28 1,1-Dichloroethane	63	3.368	3.368	(0.706)	135002	50.0000	55.522
29 tert-Butyl Alcohol	59	2.900	2.900	(0.608)	135175	1000.00	1581.2
30 2-Butanone	43	3.837	3.837	(0.804)	79844	100.000	112.53
32 cis 1,2-dichloroethene	96	3.831	3.831	(0.802)	70664	50.0000	52.275
33 2,2-Dichloropropane	77	3.837	3.837	(0.804)	66495	50.0000	52.883
34 Bromochloromethane	128	4.025	4.025	(0.843)	30246	50.0000	54.119
35 Chloroform	83	4.086	4.086	(0.856)	114637	50.0000	55.060
36 Tetrahydrofuran	42	4.074	4.074	(0.853)	27161	50.0000	71.065
37 1,1,1-Trichloroethane	97	4.250	4.250	(0.890)	87151	50.0000	53.210
38 1,1-Dichloropropene	75	4.384	4.384	(0.918)	91528	50.0000	52.216
39 Carbon Tetrachloride	117	4.390	4.390	(0.920)	76437	50.0000	52.038
40 1,2-Dichloroethane	62	4.555	4.555	(0.954)	82840	50.0000	56.492
41 Benzene	78	4.549	4.549	(0.953)	295651	50.0000	53.856
42 Trichloroethene	130	5.084	5.084	(1.065)	70987	50.0000	53.132
43 1,2-Dichloropropane	63	5.266	5.266	(1.103)	71117	50.0000	53.732
44 1,4-Dioxane	88	5.382	5.382	(1.127)	29455	2500.00	3066.0
45 Dibromomethane	93	5.364	5.364	(1.124)	32399	50.0000	55.208
46 Bromodichloromethane	83	5.491	5.491	(1.150)	78871	50.0000	53.639
48 cis-1,3-Dichloropropene	75	5.881	5.881	(1.232)	87616	50.0000	49.193
49 4-Methyl-2-pentanone	43	6.009	6.009	(1.259)	122695	100.000	103.13
47 2-Chloroethyl vinyl ether	63	5.747	5.747	(1.204)	51955	100.000	87.123
50 Toluene	91	6.179	6.179	(0.833)	286978	50.0000	51.955
51 trans-1,3-Dichloropropene	75	6.361	6.361	(0.857)	73706	50.0000	51.440
52 Ethyl Methacrylate	69	6.441	6.441	(0.868)	60963	50.0000	49.302
53 1,1,2-Trichloroethane	97	6.526	6.526	(0.879)	53839	50.0000	60.122
54 1,3-Dichloropropane	76	6.678	6.678	(0.900)	89171	50.0000	57.366
55 Tetrachloroethene	164	6.678	6.678	(0.900)	54983	50.0000	54.332
56 2-Hexanone	43	6.751	6.751	(0.910)	103128	100.000	109.67
57 Dibromochloromethane	129	6.885	6.885	(0.928)	52401	50.0000	56.213
58 1,2-Dibromoethane	107	6.994	6.994	(0.943)	48857	50.0000	57.035
59 Chlorobenzene	112	7.450	7.450	(1.004)	175865	50.0000	53.897
60 1,1,1,2-Tetrachloroethane	131	7.523	7.523	(1.014)	58879	50.0000	55.101
61 Ethylbenzene	106	7.548	7.548	(1.017)	96524	50.0000	49.648
62 m + p-Xylene	106	7.657	7.657	(1.032)	241636	100.000	100.85
64 Xylene-o	106	8.034	8.034	(1.083)	112402	50.0000	49.387
65 Styrene	104	8.040	8.040	(1.084)	184527	50.0000	48.382
66 Bromoform	173	8.217	8.217	(1.107)	35268	50.0000	56.959
67 Isopropylbenzene	105	8.381	8.381	(1.130)	255060	50.0000	44.727
68 1,1,2,2-Tetrachloroethane	83	8.655	8.655	(0.897)	73402	50.0000	65.709
69 1,4 Dichloro-2-butene	53	8.710	8.710	(0.903)	21447	50.0000	54.551
70 1,2,3-Trichloropropane	110	8.697	8.697	(0.902)	22192	50.0000	62.802
71 Bromobenzene	156	8.673	8.673	(0.899)	66386	50.0000	53.277
72 n-Propylbenzene	120	8.777	8.777	(0.910)	79596	50.0000	48.606
73 2-Chlorotoluene	126	8.862	8.862	(0.919)	69511	50.0000	50.226
74 1,3,5-Trimethylbenzene	105	8.947	8.947	(0.927)	235104	50.0000	47.655
75 4 Chlorotoluene	126	8.959	8.959	(0.929)	71452	50.0000	51.748
76 tert-Butylbenzene	119	9.263	9.263	(0.960)	188499	50.0000	45.274
77 1,2,4-Trimethylbenzene	105	9.312	9.312	(0.965)	236897	50.0000	47.373
78 sec-Butylbenzene	105	9.482	9.482	(0.983)	314414	50.0000	46.407
79 4-Isopropyltoluene	119	9.622	9.622	(0.997)	232958	50.0000	46.192

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70954.D
Report Date: 05-Jun-2005 09:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80 1,3-Dichlorobenzene	146	9.586	9.586	(0.994)	128136	50.0000	51.471
81 1,4-Dichlorobenzene	146	9.671	9.671	(1.003)	135322	50.0000	52.910
82 n-Butylbenzene	91	10.024	10.024	(1.039)	208648	50.0000	43.574
83 1,2-Dichlorobenzene	146	10.036	10.036	(1.040)	125863	50.0000	54.908
84 1,2-Dibromo-3-chloropropane	157	10.796	10.796	(1.119)	13471	50.0000	67.914
85 1,2,4-Trichlorobenzene	180	11.630	11.630	(1.206)	59498	50.0000	43.932
86 Hexachlorobutadiene	225	11.806	11.806	(1.224)	39649	50.0000	52.268
87 Naphthalene	128	11.867	11.867	(1.230)	152279	50.0000	45.479
88 1,2,3-Trichlorobenzene	180	12.110	12.110	(1.255)	66690	50.0000	52.142
98 Cyclohexane	56	4.305	4.305	(0.902)	142094	50.0000	46.999
143 Methyl Acetate	43	2.736	2.736	(0.573)	103352	100.000	108.92
144 Methylcyclohexane	83	5.260	5.260	(1.102)	124509	50.0000	46.595
141 1,3,5-Trichlorobenzene	180	11.021	11.021	(1.143)	78620	50.0000	47.234

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U50604B-IC.b\UX70954.D
Date : 04-JUN-2005 18:55
Client ID:
Sample Info: 50NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux7.i
Operator: 402279
Column diameter: 0.18



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Report Date: 05-Jun-2005 09:07

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70955.D
Lab Smp Id: 25NG-IC
Inj Date : 04-JUN-2005 19:19
Operator : 402279 Inst ID: a3ux7.i
Smp Info : 25NG-IC
Misc Info : U50604B-IC,8260SUX7,1-8260.SUB,402279,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
Meth Date : 05-Jun-2005 09:07 a3ux7.i Quant Type: ISTD
Cal Date : 04-JUN-2005 18:55 Cal File: UX70954.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV09

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
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	4.774	4.774	(1.000)	960004	250.000	
* 2 Chlorobenzene-d5	117	7.420	7.420	(1.000)	623931	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.646	9.646	(1.000)	309435	250.000	
$ 4 Dibromofluoromethane	113	4.214	4.214	(0.883)	29026	25.0000	30.797
$ 5 1,2-Dichloroethane-d4	65	4.494	4.494	(0.941)	33332	25.0000	31.163
$ 6 Toluene-d8	98	6.118	6.118	(1.282)	112434	25.0000	27.018
$ 7 Bromofluorobenzene	95	8.527	8.527	(1.149)	40677	25.0000	28.319
8 Dichlorodifluoromethane	85	1.336	1.336	(0.280)	27378	25.0000	29.462
9 Chloromethane	50	1.458	1.458	(0.306)	40433	25.0000	29.732
10 Vinyl Chloride	62	1.543	1.543	(0.323)	35057	25.0000	28.888
11 Bromomethane	94	1.793	1.793	(0.376)	18821	25.0000	35.788
12 Chloroethane	64	1.866	1.866	(0.391)	20152	25.0000	30.472
13 Trichlorofluoromethane	101	2.054	2.054	(0.430)	30800	25.0000	24.010
15 Acrolein	56	2.358	2.358	(0.494)	41334	250.000	294.44
16 Acetone	43	2.474	2.474	(0.518)	37058	50.0000	71.740
17 1,1 Dichloroethene	96	2.456	2.456	(0.515)	29525	25.0000	28.995
18 Freon-113	151	2.462	2.462	(0.516)	23140	25.0000	31.659
19 Iodomethane	142	2.571	2.571	(0.539)	46005	25.0000	30.606
20 Carbon Disulfide	76	2.632	2.632	(0.551)	118583	25.0000	30.550
21 Methylene Chloride	84	2.821	2.821	(0.591)	62131	25.0000	42.662
22 Acetonitrile	41	2.687	2.687	(0.563)	47651	250.000	318.26
23 Acrylonitrile	53	2.997	2.997	(0.628)	119088	250.000	284.67

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70955.D
Report Date: 05-Jun-2005 09:07

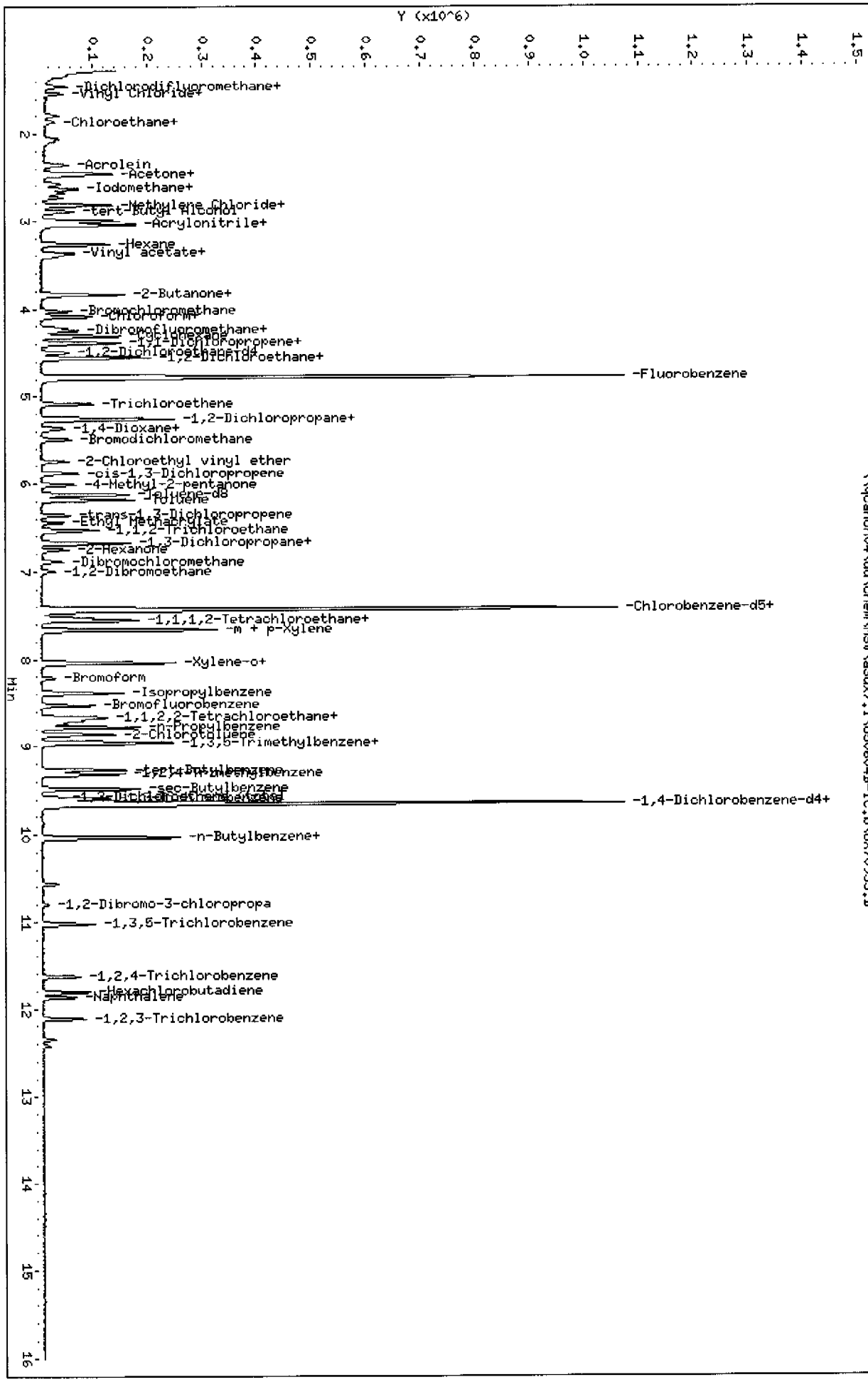
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.046	3.046	(0.638)	63690	25.0000	25.896
25 trans-1,2-Dichloroethene	96	3.040	3.040	(0.637)	35967	25.0000	28.060
26 Hexane	86	3.265	3.265	(0.684)	8273	25.0000	25.248
27 Vinyl acetate	43	3.399	3.399	(0.712)	43785	25.0000	24.098
28 1,1-Dichloroethane	63	3.368	3.368	(0.706)	61369	25.0000	27.266
29 tert-Butyl Alcohol	59	2.894	2.894	(0.606)	49886	500.000	577.22
30 2-Butanone	43	3.837	3.837	(0.804)	36825	50.0000	55.906
32 cis-1,2-dichloroethene	96	3.831	3.831	(0.802)	33321	25.0000	26.972
33 2,2-Dichloropropane	77	3.837	3.837	(0.804)	31497	25.0000	27.344
34 Bromochloromethane	128	4.025	4.025	(0.843)	14281	25.0000	27.757
35 Chloroform	83	4.086	4.086	(0.856)	54881	25.0000	28.528
36 Tetrahydrofuran	42	4.074	4.074	(0.853)	15434	25.0000	41.124
37 1,1,1-Trichloroethane	97	4.250	4.250	(0.890)	43619	25.0000	29.033
38 1,1-Dichloropropene	75	4.384	4.384	(0.918)	41487	25.0000	25.904
39 Carbon Tetrachloride	117	4.390	4.390	(0.920)	36908	25.0000	27.520
40 1,2-Dichloroethane	62	4.555	4.555	(0.954)	38400	25.0000	28.183
41 Benzene	78	4.549	4.549	(0.953)	136180	25.0000	26.975
42 Trichloroethene	130	5.084	5.084	(1.065)	34146	25.0000	27.871
43 1,2-Dichloropropane	63	5.266	5.266	(1.103)	33663	25.0000	27.670
44 1,4 Dioxane	88	5.382	5.382	(1.127)	11681	1250.00	1284.4
45 Dibromomethane	93	5.364	5.364	(1.124)	16071	25.0000	29.620
46 Bromodichloromethane	83	5.491	5.491	(1.150)	37204	25.0000	27.537
48 cis-1,3-Dichloropropene	75	5.881	5.881	(1.232)	39044	25.0000	24.284
49 4-Methyl-2-pentanone	43	6.009	6.009	(1.259)	48224	50.0000	44.480
47 2-Chloroethyl vinyl ether	63	5.741	5.741	(1.203)	21952	50.0000	41.720
50 Toluene	91	6.179	6.179	(0.833)	129742	25.0000	25.560
51 trans-1,3-Dichloropropene	75	6.361	6.361	(0.857)	31560	25.0000	24.017
52 Ethyl Methacrylate	69	6.447	6.447	(0.869)	22708	25.0000	20.196
53 1,1,2-Trichloroethane	97	6.526	6.526	(0.879)	23315	25.0000	27.442
54 1,3 Dichloropropane	76	6.678	6.678	(0.900)	40682	25.0000	27.880
55 Tetrachloroethene	164	6.678	6.678	(0.900)	24151	25.0000	25.726
56 2-Hexanone	43	6.751	6.751	(0.910)	40091	50.0000	45.870
57 Dibromochloromethane	129	6.885	6.885	(0.928)	24573	25.0000	28.208
58 1,2-Dibromoethane	107	7.000	7.000	(0.943)	21516	25.0000	26.792
59 Chlorobenzene	112	7.444	7.444	(1.003)	83866	25.0000	27.754
60 1,1,1,2-Tetrachloroethane	131	7.517	7.517	(1.013)	27060	25.0000	27.216
61 Ethylbenzene	106	7.554	7.554	(1.018)	42212	25.0000	23.844
62 m + p-Xylene	106	7.663	7.663	(1.033)	101180	50.0000	46.233
64 Xylene-o	106	8.034	8.034	(1.083)	45558	25.0000	22.006
65 Styrene	104	8.040	8.040	(1.084)	78674	25.0000	22.769
66 Bromoform	173	8.211	8.211	(1.107)	15280	25.0000	26.330
67 Isopropylbenzene	105	8.381	8.381	(1.130)	105648	25.0000	20.755
68 1,1,2,2-Tetrachloroethane	83	8.655	8.655	(0.897)	29428	25.0000	27.247
69 1,4-Dichloro-2-butene	53	8.716	8.716	(0.904)	9537	25.0000	26.189
70 1,2,3-Trichloropropane	110	8.697	8.697	(0.902)	9364	25.0000	27.711
71 Bromobenzene	156	8.673	8.673	(0.899)	29735	25.0000	25.893
72 n Propylbenzene	120	8.777	8.777	(0.910)	32878	25.0000	22.194
73 2-Chlorotoluene	126	8.862	8.862	(0.919)	30995	25.0000	24.597
74 1,3,5-Trimethylbenzene	105	8.953	8.953	(0.928)	97807	25.0000	22.000
75 4-Chlorotoluene	126	8.959	8.959	(0.929)	32224	25.0000	25.476
76 tert Butylbenzene	119	9.269	9.269	(0.961)	83594	25.0000	22.496
77 1,2,4-Trimethylbenzene	105	9.312	9.312	(0.965)	96345	25.0000	21.404
78 sec-Butylbenzene	105	9.482	9.482	(0.983)	134297	25.0000	22.108
79 4 Isopropyltoluene	119	9.622	9.622	(0.997)	99387	25.0000	21.998

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70955.D
Report Date: 05-Jun-2005 09:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80 1,3-Dichlorobenzene	146	9.592	9.592	(0.994)	62035	25.0000	27.232
81 1,4-Dichlorobenzene	146	9.677	9.677	(1.003)	65110	25.0000	27.663
82 n-Butylbenzene	91	10.024	10.024	(1.039)	90699	25.0000	21.371
83 1,2-Dichlorobenzene	146	10.036	10.036	(1.040)	57106	25.0000	26.858
84 1,2-Dibromo-3-chloropropane	157	10.796	10.796	(1.119)	4965	25.0000	25.676
85 1,2,4-Trichlorobenzene	180	11.624	11.624	(1.205)	26707	25.0000	22.217
86 Hexachlorobutadiene	225	11.806	11.806	(1.224)	19964	25.0000	28.671
87 Naphthalene	128	11.867	11.867	(1.230)	56420	25.0000	18.864
88 1,2,3-Trichlorobenzene	180	12.110	12.110	(1.255)	27235	25.0000	23.209
98 Cyclohexane	56	4.305	4.305	(0.902)	64924	25.0000	24.000
143 Methyl Acetate	43	2.736	2.736	(0.573)	47261	50.0000	54.030
144 Methylcyclohexane	83	5.260	5.260	(1.102)	54055	25.0000	22.645
141 1,3,5-Trichlorobenzene	180	11.021	11.021	(1.143)	37055	25.0000	24.746

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U506048-IC.b\UX70955.D
Date : 04-JUN-2005 19:19
Client ID:
Sample Info: 25NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux7.i
Operator: 402279
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70956.D
Report Date: 05-Jun-2005 09:20

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70956.D
Lab Smp Id: ICV
Inj Date : 04-JUN-2005 19:44
Operator : 402279 Inst ID: a3ux7.i
Smp Info : ICV
Misc Info : U50604B-IC,8260SUX7,1-8260.SUB,402279,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
Meth Date : 05-Jun-2005 09:15 macenczaks Quant Type: ISTD
Cal Date : 04-JUN-2005 18:06 Cal File: UX70952.D
Als bottle: 8 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV09

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Fluorobenzene	96	4.773	4.774	(1.000)	944517	250.000	
* 2 Chlorobenzene-d5	117	7.420	7.421	(1.000)	620053	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.646	9.647	(1.000)	299018	250.000	
$ 4 Dibromofluoromethane	113	4.214	4.215	(0.883)	215301	223.542	44.708
$ 5 1,2-Dichloroethane-d4	65	4.493	4.488	(0.941)	246276	224.792	44.958
$ 6 Toluene d8	98	6.124	6.119	(1.283)	967935	233.273	46.654
$ 7 Bromofluorobenzene	95	8.527	8.528	(1.149)	335361	229.853	45.970
8 Dichlorodifluoromethane	85	1.336	1.337	(0.280)	184947	196.444	39.289
9 Chloromethane	50	1.458	1.459	(0.305)	364059	263.779	52.756
10 Vinyl Chloride	62	1.543	1.544	(0.323)	333056	271.900	54.380
11 Bromomethane	94	1.786	1.787	(0.374)	168088	280.468	56.094
12 Chloroethane	64	1.865	1.860	(0.391)	191359	283.748	56.750
13 Trichlorofluoromethane	101	2.054	2.049	(0.430)	335999	267.993	53.598
15 Acrolein	56	2.358	2.359	(0.494)	445992	3136.18	627.24
16 Acetone	43	2.474	2.469	(0.518)	89885	166.621	33.324
17 1,1-Dichloroethene	96	2.456	2.450	(0.514)	261726	254.465	50.893
18 Freon 113	151	2.462	2.463	(0.516)	207865	276.765	55.353
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.632	2.633	(0.551)	1027295	259.396	51.879
21 Methylene Chloride	84	2.821	2.815	(0.591)	353506	268.146	53.629
22 Acetonitrile	41	2.681	2.682	(0.562)	395214	2566.13	513.23
23 Acrylonitrile	53	2.997	2.998	(0.628)	1103935	2621.57	524.31

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70956.D
Report Date: 05-Jun-2005 09:20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	24 Methyl tert-butyl ether	73	3.046	3.041	(0.638)	645097	265.014	53.003
	25 trans-1,2-Dichloroethene	96	3.040	3.041	(0.637)	331362	257.500	51.500
	26 Hexane	86	3.265	3.266	(0.684)	89161	276.110	55.222
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.368	3.369	(0.706)	589624	262.303	52.460
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	3.836	3.831	(0.804)	125511	189.930	37.986
M	31 1,2-Dichloroethene (total)	96				647720	514.417	102.88
	32 cis-1,2-dichloroethene	96	3.830	3.831	(0.802)	316358	256.903	51.381
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.086	4.087	(0.856)	496238	256.157	51.231
	36 Tetrahydrofuran	42	4.080	4.075	(0.855)	8546	8.21718	1.643
	37 1,1,1-Trichloroethane	97	4.250	4.251	(0.890)	403038	265.524	53.105
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.390	4.391	(0.920)	353265	263.302	52.660
	40 1,2-Dichloroethane	62	4.554	4.549	(0.954)	352875	257.761	51.552
	41 Benzene	78	4.548	4.549	(0.953)	1301518	258.629	51.726
	42 Trichloroethene	130	5.084	5.085	(1.065)	311908	253.902	50.780
	43 1,2-Dichloropropane	63	5.266	5.261	(1.103)	318413	261.368	52.274
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.491	5.492	(1.150)	337252	249.495	49.899
	48 cis-1,3-Dichloropropene	75	5.880	5.881	(1.232)	410052	260.462	52.092
	49 4-Methyl-2-pentanone	43	6.008	6.003	(1.259)	246246	235.179	47.036
	47 2-Chloroethyl vinyl ether	63	5.747	5.742	(1.204)	125831	249.966	49.993
	50 Toluene	91	6.179	6.180	(0.833)	1311194	258.960	51.792
	51 trans-1,3-Dichloropropene	75	6.361	6.362	(0.857)	336736	259.559	51.912
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.525	6.526	(0.879)	214429	249.893	49.978
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.677	6.678	(0.900)	235504	251.219	50.244
	56 2 Hexanone	43	6.750	6.745	(0.910)	168623	196.847	39.369
	57 Dibromochloromethane	129	6.884	6.885	(0.928)	214878	243.009	48.602
	58 1,2-Dibromoethane	107	6.994	6.995	(0.943)	203976	252.562	50.512
	59 Chlorobenzene	112	7.450	7.445	(1.004)	773306	252.871	50.574
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.547	7.548	(1.017)	460086	263.546	52.709
	62 m + p-Xylene	106	7.657	7.658	(1.032)	1113341	518.420	103.68
M	63 Xylenes (total)	106				1632032	775.749	155.15
	64 Xylene-o	106	8.034	8.035	(1.083)	518691	257.247	51.449
	65 Styrene	104	8.040	8.041	(1.084)	875256	258.743	51.748
	66 Bromoform	173	8.217	8.211	(1.107)	154220	265.063	53.013
	67 Isopropylbenzene	105	8.381	8.382	(1.130)	1395966	283.997	56.799
	68 1,1,2,2-Tetrachloroethane	83	8.655	8.656	(0.897)	283509	267.634	53.527
	69 1,4 Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					
	77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70956.D
Report Date: 05-Jun-2005 09:20

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.585	9.586	(0.994)	530637	237.523	47.504
81 1,4-Dichlorobenzene	146	9.670	9.671	(1.003)	556669	240.478	48.096
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.036	10.037	(1.040)	504385	242.486	48.497
84 1,2-Dibromo-3-chloropropane	157	10.796	10.797	(1.119)	48660	257.694	51.539
85 1,2,4-Trichlorobenzene	180	11.629	11.630	(1.206)	243600	213.668	42.734
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	11.861	11.868	(1.230)	5183	14.9409	2.988
88 1,2,3-Trichlorobenzene	180	12.116	12.111	(1.256)	1280	1.14243	0.2285
98 Cyclohexane	56	4.305	4.306	(0.902)	675915	255.658	51.132
143 Methyl Acetate	43	2.735	2.730	(0.573)	212937	244.149	48.830
144 Methylcyclohexane	83	5.254	5.255	(1.101)	598035	258.699	51.740
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70956.D
Report Date: 05-Jun-2005 09:20

STL North Canton

RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: ICV
Level: LOW
Data Type: MS DATA
SpikeList File: plexus-ck.spk
Sublist File: 1-8260.SUB
Method File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
Misc Info: U50604B-IC,8260SUX7,1-8260.SUB,402279,3

Client SDG: SDGa00699
Fraction: VOA

Operator: 402279
SampleType: METHSPIKE
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED UG/KG	CONC RECOVERED UG/KG	% RECOVERED	LIMITS
	17 1,1-Dichloroethene	50.000	50.893	101.79	50-150
	42 Trichloroethene	50.000	50.780	101.56	50-150
	59 Chlorobenzene	50.000	50.574	101.15	50-150
	50 Toluene	50.000	51.792	103.58	50-150
	41 Benzene	50.000	51.726	103.45	50-150
	16 Acetone	50.000	33.324	66.65	50-150
	20 Carbon Disulfide	50.000	51.879	103.76	50-150
	9 Chloromethane	50.000	52.756	105.51	50-150
	11 Bromomethane	50.000	56.094	112.19	50-150
	10 Vinyl Chloride	50.000	54.380	108.76	50-150
	12 Chloroethane	50.000	56.750	113.50	50-150
	21 Methylene Chloride	50.000	53.629	107.26	50-150
	28 1,1-Dichloroethane	50.000	52.460	104.92	50-150
M	31 1,2-Dichloroethene	100.00	102.88	102.88	50-150
	35 Chloroform	50.000	51.231	102.46	50-150
	40 1,2-Dichloroethane	50.000	51.552	103.10	50-150
	30 2-Butanone	50.000	37.986	75.97	50-150
	37 1,1,1-Trichloroeth	50.000	53.105	106.21	50-150
	39 Carbon Tetrachlori	50.000	52.660	105.32	50-150
	46 Bromodichlorometha	50.000	49.899	99.80	50-150
	43 1,2-Dichloropropan	50.000	52.274	104.55	50-150
	48 cis-1,3-Dichloropr	50.000	52.092	104.18	50-150
	57 Dibromochlorometha	50.000	48.602	97.20	50-150
	53 1,1,2-Trichloroeth	50.000	49.978	99.96	50-150
	51 trans-1,3-Dichloro	50.000	51.912	103.82	50-150
	66 Bromoform	50.000	53.013	106.03	50-150
	49 4-Methyl-2-pentano	50.000	47.036	94.07	50-150
	56 2-Hexanone	50.000	39.369	78.74	50-150
	55 Tetrachloroethene	50.000	50.244	100.49	50-150
	68 1,1,2,2-Tetrachlor	50.000	53.527	107.05	50-150
	61 Ethylbenzene	50.000	52.709	105.42	50-150
	65 Styrene	50.000	51.748	103.50	50-150
M	63 Xylenes (total)	150.00	155.15	103.43	50-150
	32 cis-1,2-dichloroet	50.000	51.381	102.76	50-150
	25 trans-1,2-Dichloro	50.000	51.500	103.00	50-150
	8 Dichlorodifluorome	50.000	39.289	78.58	50-150
	13 Trichlorofluoromet	50.000	53.598	107.20	50-150
	18 Freon-113	50.000	55.353	110.71	50-150
	24 Methyl tert-butyl	50.000	53.003	106.01	50-150
	58 1,2-Dibromoethane	50.000	50.512	101.02	50-150

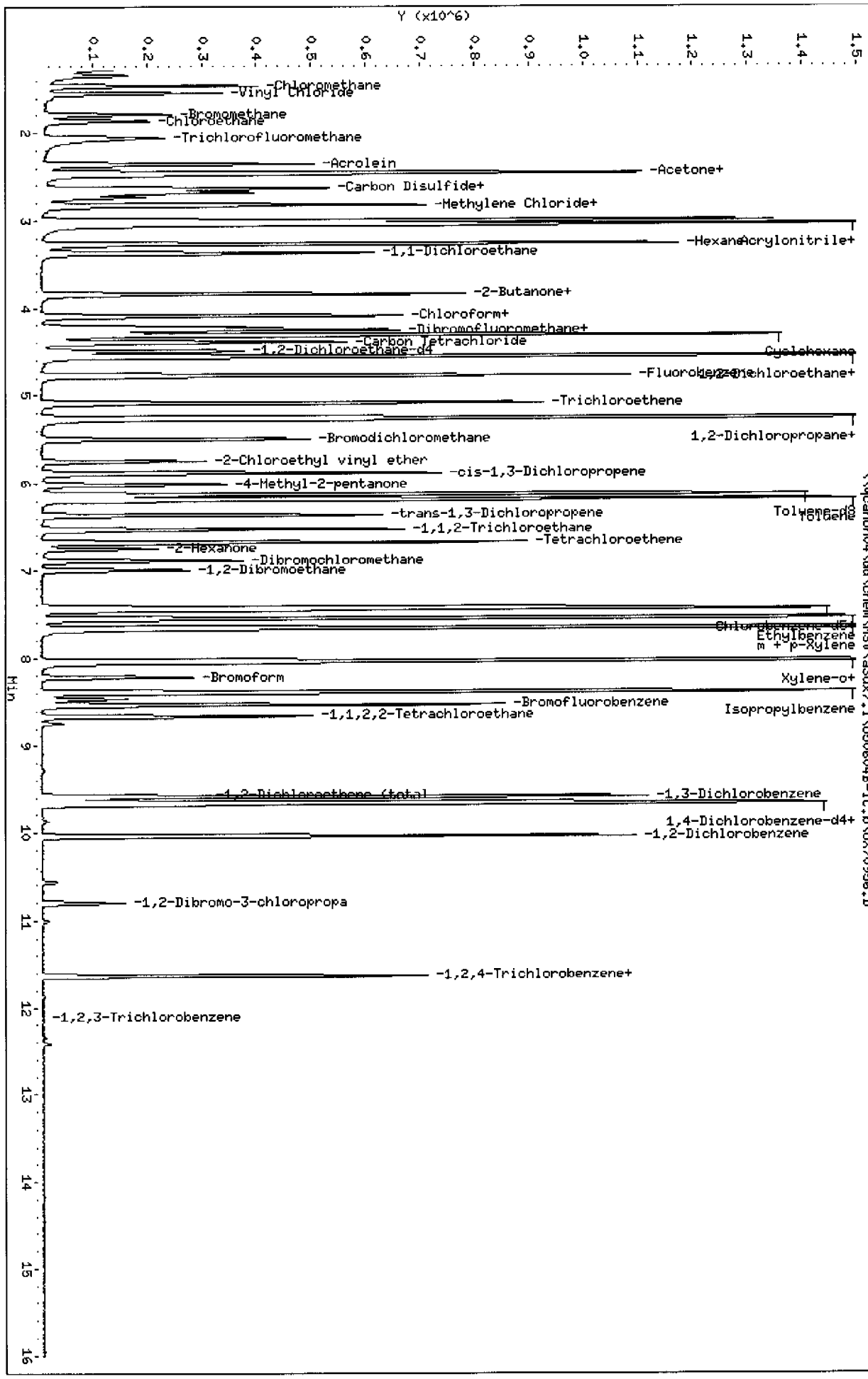
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70956.D
Report Date: 05-Jun-2005 09:20

SPIKE COMPOUND	CONC ADDED UG/KG	CONC RECOVERED UG/KG	% RECOVERED	LIMITS
67 Isopropylbenzene	50.000	56.799	113.60	50-150
80 1,3-Dichlorobenzen	50.000	47.504	95.01	50-150
81 1,4-Dichlorobenzen	50.000	48.096	96.19	50-150
83 1,2-Dichlorobenzen	50.000	48.497	96.99	50-150
84 1,2-Dibromo-3-chlo	50.000	51.539	103.08	50-150
85 1,2,4-Trichloroben	50.000	42.734	85.47	50-150
98 Cyclohexane	50.000	51.132	102.26	50-150
143 Methyl Acetate	50.000	48.830	97.66	50-150
144 Methylcyclohexane	50.000	51.740	103.48	50-150

SURROGATE COMPOUND	CONC ADDED UG/KG	CONC RECOVERED UG/KG	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	50.000	44.708	89.42	59-138
$ 5 1,2-Dichloroethane	50.000	44.958	89.92	61-130
$ 6 Toluene-d8	50.000	46.654	93.31	60-143
$ 7 Bromofluorobenzene	50.000	45.970	91.94	47-158

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U50604B-IC.b\UX70956.D
Date : 04-JUN-2005 19:44
Client ID:
Sample Info: ICV
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux7.i
Operator: 402279
Column diameter: 0.18



Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\8260SUX7.m
Start Cal Date: 04-JUN-2005 17:17
End Cal Date : 04-JUN-2005 19:19
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 25.00000		
04-JUN-2005 19:19	1-8260	\\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70955.D
Cal Level: 2 , Cal Amount: 50.00000		
04-JUN-2005 18:55	1-8260	\\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70954.D
Cal Level: 3 , Cal Amount: 100.00000		
04-JUN-2005 18:30	1-8260	\\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70953.D
Cal Level: 4 , Cal Amount: 250.00000		
04-JUN-2005 18:06	1-8260	\\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70952.D
Cal Level: 5 , Cal Amount: 500.00000		
04-JUN-2005 17:41	1-8260	\\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70951.D
Cal Level: 6 , Cal Amount: 1000.00000		
04-JUN-2005 17:17	1-8260	\\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70950.D

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

08-JUN-2005 11:17	1-8260	\\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\UX71021.D

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\UX71021.D
Report Date: 08-Jun-2005 11:34

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i Injection Date: 08-JUN-2005 11:17
Lab File ID: UX71021.D Init. Cal. Date(s): 04-JUN-2005 04-JUN-2005
Analysis Type: SOIL Init. Cal. Times: 17:17 19:19
Lab Sample ID: 250NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\8260SUX7.m

COMPOUND	RRF / AMOUNT	RF250	CCAL RRF250	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 4 Dibromofluoromethane	0.25493	0.23966	0.23966	0.010	5.98912	50.00000	Averaged
$ 5 1,2-Dichloroethane-d4	0.28998	0.26615	0.26615	0.010	8.21716	50.00000	Averaged
$ 6 Toluene-d8	1.09828	1.02804	1.02804	0.010	6.39491	50.00000	Averaged
$ 7 Bromofluorobenzene	0.58827	0.55040	0.55040	0.010	6.43649	50.00000	Averaged
8 Dichlorodifluoromethane	0.24919	0.22522	0.22522	0.010	9.61893	50.00000	Averaged
9 Chloromethane	0.36531	0.33246	0.33246	0.100	8.99299	50.00000	Averaged
10 Vinyl Chloride	0.32422	0.30091	0.30091	0.010	7.18781	20.00000	Averaged
11 Bromomethane	0.15863	0.13989	0.13989	0.010	11.81148	50.00000	Averaged
12 Chloroethane	0.17850	0.16264	0.16264	0.010	8.88432	50.00000	Averaged
13 Trichlorofluoromethane	0.33185	0.35023	0.35023	0.010	-5.53900	50.00000	Averaged
15 Acrolein	0.03764	0.02763	0.02763	0.010	26.59528	50.00000	Averaged
16 Acetone	500	387	0.10109	0.010	22.58462	0.000e+000	Wt Linear
17 1,1-Dichloroethene	0.27224	0.24635	0.24635	0.010	9.50933	20.00000	Averaged
18 Freon-113	0.19879	0.18359	0.18359	0.010	7.64714	50.00000	Averaged
19 Iodomethane	0.40607	0.34367	0.34367	0.010	15.36627	50.00000	Averaged
20 Carbon Disulfide	1.04824	0.86422	0.86422	0.010	17.55545	50.00000	Averaged
21 Methylene Chloride	250	228	0.32257	0.010	8.98761	0.000e+000	Wt Linear
22 Acetonitrile	0.04076	0.03644	0.03644	0.010	10.59711	50.00000	Averaged
23 Acrylonitrile	0.11146	0.10203	0.10203	0.010	8.45910	50.00000	Averaged
24 Methyl tert-butyl ether	0.64430	0.64713	0.64713	0.010	-0.43989	50.00000	Averaged
25 trans-1,2-Dichloroethene	0.34061	0.32403	0.32403	0.010	4.86773	50.00000	Averaged
26 Hexane	0.08547	0.08885	0.08885	0.010	-3.95148	20.00000	Averaged
27 Vinyl acetate	0.47032	0.40846	0.40846	0.010	13.15273	50.00000	Averaged
28 1,1-Dichloroethane	0.59498	0.57452	0.57452	0.100	3.43825	50.00000	Averaged
29 tert-Butyl Alcohol	5000	5156	0.02078	0.010	-3.11258	0.000e+000	Quadratic
30 2-Butanone	0.17491	0.14238	0.14238	0.010	18.59681	50.00000	Averaged
M 31 1,2-Dichloroethene (total)	0.33327	0.32294	0.32294	0.010	3.10080	50.00000	Averaged
32 cis-1,2-dichloroethene	0.32594	0.32185	0.32185	0.010	1.25455	50.00000	Averaged
33 2,2-Dichloropropane	0.30466	0.30321	0.30321	0.010	0.47539	50.00000	Averaged
34 Bromochloromethane	0.13644	0.13453	0.13453	0.010	1.39993	50.00000	Averaged
35 Chloroform	0.51276	0.49592	0.49592	0.010	3.28512	20.00000	Averaged
36 Tetrahydrofuran	250	324	0.12093	0.010	-29.63326	0.000e+000	Wt Linear
37 1,1,1-Trichloroethane	0.40177	0.40026	0.40026	0.010	0.37366	50.00000	Averaged
38 1,1-Dichloropropene	0.41959	0.41411	0.41411	0.010	1.30408	50.00000	Averaged
39 Carbon Tetrachloride	0.35512	0.35414	0.35414	0.010	0.27506	50.00000	Averaged
40 1,2-Dichloroethane	0.36235	0.35516	0.35516	0.010	1.98656	50.00000	Averaged
41 Benzene	1.33200	1.27042	1.27042	0.010	4.62256	50.00000	Averaged
42 Trichloroethene	0.32516	0.32361	0.32361	0.010	0.47483	50.00000	Averaged
43 1,2-Dichloropropane	0.32245	0.31256	0.31256	0.010	3.06708	20.00000	Averaged
44 1,4-Dioxane	0.00238	0.00223	0.00223	0.010	6.35721	50.00000	Averaged <-
45 Dibromomethane	0.14564	0.14240	0.14240	0.010	2.22650	50.00000	Averaged
46 Bromodichloromethane	0.35779	0.36084	0.36084	0.010	-0.85217	50.00000	Averaged
48 cis-1,3-Dichloropropene	0.41670	0.43073	0.43073	0.010	-3.36578	50.00000	Averaged

|_____|_____|_____|_____|____|_____|_____|_____|

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\UX71021.D
Report Date: 08-Jun-2005 11:34

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i Injection Date: 08-JUN-2005 11:17
Lab File ID: UX71021.D Init. Cal. Date(s): 04-JUN-2005 04-JUN-2005
Analysis Type: SOIL Init. Cal. Times: 17:17 19:19
Lab Sample ID: 250NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\8260SUX7.m

COMPOUND	RRF / AMOUNT	RF250	CCAL RRF250	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
49 4-Methyl-2-pentanone	0.27714	0.27107	0.27107	0.010	2.19122	50.00000	Averaged
47 2-Chloroethyl vinyl ether	0.13324	0.13998	0.13998	0.010	-5.05830	50.00000	Averaged
50 Toluene	2.04148	2.00301	2.00301	0.010	1.88442	20.00000	Averaged
51 trans-1,3-Dichloropropene	0.52308	0.52655	0.52655	0.010	-0.66487	50.00000	Averaged
52 Ethyl Methacrylate	0.43609	0.45663	0.45663	0.010	-4.71048	50.00000	Averaged
53 1,1,2-Trichloroethane	0.34597	0.33113	0.33113	0.010	4.29107	50.00000	Averaged
54 1,3-Dichloropropane	0.59589	0.57543	0.57543	0.010	3.43344	50.00000	Averaged
55 Tetrachloroethene	0.37797	0.37992	0.37992	0.010	-0.51496	50.00000	Averaged
56 2-Hexanone	0.34538	0.30199	0.30199	0.010	12.56312	50.00000	Averaged
57 Dibromochloromethane	0.35652	0.34556	0.34556	0.010	3.07274	50.00000	Averaged
58 1,2-Dibromoethane	0.32563	0.32105	0.32105	0.010	1.40525	50.00000	Averaged
59 Chlorobenzene	1.23300	1.19269	1.19269	0.300	3.26952	50.00000	Averaged
60 1,1,1,2-Tetrachloroethane	0.40427	0.40376	0.40376	0.010	0.12703	50.00000	Averaged
61 Ethylbenzene	0.70387	0.69891	0.69891	0.010	0.70508	20.00000	Averaged
62 m + p-Xylene	0.86588	0.86851	0.86851	0.010	-0.30390	50.00000	Averaged
M 63 Xylenes (total)	0.84824	0.85729	0.85729	0.010	-1.06687	50.00000	Averaged
64 Xylene-o	0.81296	0.83484	0.83484	0.010	-2.69202	50.00000	Averaged
65 Styrene	1.36388	1.38382	1.38382	0.010	-1.46141	50.00000	Averaged
66 Bromoform	0.23459	0.22586	0.22586	0.100	3.71997	50.00000	Averaged
67 Isopropylbenzene	1.98186	2.06459	2.06459	0.010	-4.17443	50.00000	Averaged
68 1,1,2,2-Tetrachloroethane	0.88566	0.83985	0.83985	0.300	5.17299	50.00000	Averaged
69 1,4-Dichloro-2-butene	0.29654	0.29550	0.29550	0.010	0.35096	50.00000	Averaged
70 1,2,3-Trichloropropane	0.27794	0.27140	0.27140	0.010	2.35345	50.00000	Averaged
71 Bromobenzene	0.93332	0.96140	0.96140	0.010	-3.00857	50.00000	Averaged
72 n-Propylbenzene	1.17446	1.25845	1.25845	0.010	-7.15151	50.00000	Averaged
73 2-Chlorotoluene	1.01534	1.07519	1.07519	0.010	-5.89445	50.00000	Averaged
74 1,3,5-Trimethylbenzene	3.52003	3.80305	3.80305	0.010	-8.04054	50.00000	Averaged
75 4-Chlorotoluene	1.02515	1.05107	1.05107	0.010	-2.52916	50.00000	Averaged
76 tert-Butylbenzene	2.95208	3.19859	3.19859	0.010	-8.35049	50.00000	Averaged
77 1,2,4-Trimethylbenzene	3.54949	3.76519	3.76519	0.010	-6.07680	50.00000	Averaged
78 sec-Butylbenzene	4.81326	5.04427	5.04427	0.010	-4.79954	50.00000	Averaged
79 4-Isopropyltoluene	3.57707	3.73314	3.73314	0.010	-4.36297	50.00000	Averaged
80 1,3-Dichlorobenzene	1.86782	1.86082	1.86082	0.010	0.37474	50.00000	Averaged
81 1,4-Dichlorobenzene	1.93537	1.84183	1.84183	0.010	4.83316	50.00000	Averaged
82 n-Butylbenzene	3.34586	3.38594	3.38594	0.010	-1.19785	50.00000	Averaged
83 1,2-Dichlorobenzene	1.73908	1.67021	1.67021	0.010	3.96003	50.00000	Averaged
84 1,2-Dibromo-3-chloropropane	250	204	0.12884	0.010	18.33347	0.000e+000	Wt Linear
85 1,2,4-Trichlorobenzene	0.95319	0.88699	0.88699	0.010	6.94537	50.00000	Averaged
86 Hexachlorobutadiene	0.57634	0.50957	0.50957	0.010	11.58456	50.00000	Averaged
87 Naphthalene	250	191	1.98401	0.010	23.74861	0.000e+000	Wt Linear
88 1,2,3-Trichlorobenzene	0.93675	0.78356	0.78356	0.010	16.35300	50.00000	Averaged
98 Cyclohexane	0.69978	0.72755	0.72755	0.010	-3.96772	50.00000	Averaged
143 Methyl Acetate	0.23085	0.23018	0.23018	0.010	0.28976	50.00000	Averaged

|_____|_____|_____|_____|____|_____|_____|_____|

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\UX71021.D
Report Date: 08-Jun-2005 11:34

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i Injection Date: 08-JUN-2005 11:17
Lab File ID: UX71021.D Init. Cal. Date(s): 04-JUN-2005 04-JUN-2005
Analysis Type: SOIL Init. Cal. Times: 17:17 19:19
Lab Sample ID: 250NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\8260SUX7.m

COMPOUND	RRF / AMOUNT	RF250	CCAL RRF250	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
144 Methylcyclohexane	0.61187	0.62507	0.62507	0.010	-2.15647	50.00000	Averaged
141 1,3,5-Trichlorobenzene	1.20774	1.14588	1.14588	0.010	5.12147	50.00000	Averaged

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\UX71021.D
Report Date: 08-Jun-2005 11:34

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\UX71021.D
Lab Smp Id: 250NG-CC
Inj Date : 08-JUN-2005 11:17
Operator : 2807 Inst ID: a3ux7.i
Smp Info : 250NG-CC
Misc Info : U50608A,8260SUX7,1-8260.SUB,2807,2
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\8260SUX7.m
Meth Date : 08-Jun-2005 11:34 Quant Type: ISTD
Cal Date : 04-JUN-2005 18:06 Cal File: UX70952.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
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	4.771	4.771	(1.000)	1189590	250.000	
* 2 Chlorobenzene-d5	117	7.418	7.418	(1.000)	778679	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.650	9.650	(1.000)	368341	250.000	
$ 4 Dibromofluoromethane	113	4.212	4.212	(0.883)	285097	250.000	235.03
$ 5 1,2-Dichloroethane-d4	65	4.492	4.492	(0.941)	316614	250.000	229.46
$ 6 Toluene-d8	98	6.122	6.122	(1.283)	1222952	250.000	234.01
$ 7 Bromofluorobenzene	95	8.525	8.525	(1.149)	428587	250.000	233.91
8 Dichlorodifluoromethane	85	1.334	1.334	(0.280)	267925	250.000	225.95
9 Chloromethane	50	1.456	1.456	(0.305)	395489	250.000	227.52
10 Vinyl Chloride	62	1.541	1.541	(0.323)	357965	250.000	232.03
11 Bromomethane	94	1.791	1.791	(0.375)	166415	250.000	220.47
12 Chloroethane	64	1.864	1.864	(0.391)	193480	250.000	227.79
13 Trichlorofluoromethane	101	2.052	2.052	(0.430)	416635	250.000	263.85
15 Acrolein	56	2.356	2.356	(0.494)	328683	2500.00	1835.1
16 Acetone	43	2.472	2.472	(0.518)	240508	500.000	387.08
17 1,1-Dichloroethene	96	2.454	2.454	(0.514)	293056	250.000	226.23
18 Freon-113	151	2.466	2.466	(0.517)	218398	250.000	230.88
19 Iodomethane	142	2.569	2.569	(0.538)	408832	250.000	211.58
20 Carbon Disulfide	76	2.630	2.630	(0.551)	1028066	250.000	206.11

21 Methylene Chloride	84	2.819	2.819 (0.591)	383728	250.000	227.53
22 Acetonitrile	41	2.679	2.679 (0.561)	433543	2500.00	2235.1
23 Acrylonitrile	53	2.995	2.995 (0.628)	1213736	2500.00	2288.5

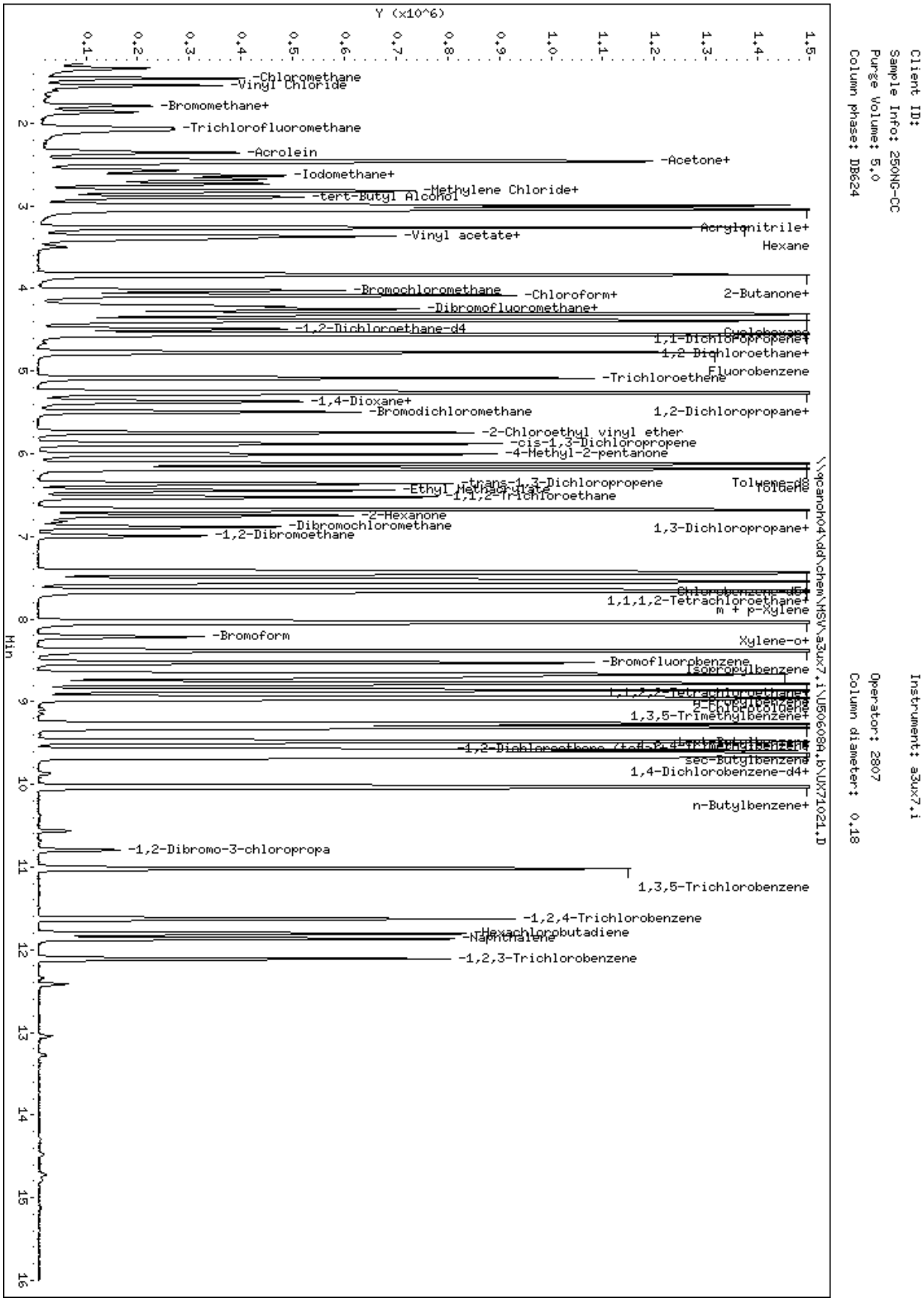
Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\UX71021.D
Report Date: 08-Jun-2005 11:34

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.044	3.044	(0.638)	769821	250.000	251.10
	25 trans-1,2-Dichloroethene	96	3.038	3.038	(0.637)	385461	250.000	237.83
	26 Hexane	86	3.263	3.263	(0.684)	105694	250.000	259.88
	27 Vinyl acetate	43	3.403	3.403	(0.713)	485902	250.000	217.12
	28 1,1-Dichloroethane	63	3.366	3.366	(0.706)	683447	250.000	241.40
	29 tert-Butyl Alcohol	59	2.892	2.892	(0.606)	494381	5000.00	5155.6
	30 2-Butanone	43	3.835	3.835	(0.804)	338757	500.000	407.02
M	31 1,2-Dichloroethene (total)	96				768333	500.000	484.50
	32 cis-1,2-dichloroethene	96	3.829	3.829	(0.802)	382872	250.000	246.86
	33 2,2-Dichloropropane	77	3.835	3.835	(0.804)	360695	250.000	248.81
	34 Bromochloromethane	128	4.023	4.023	(0.843)	160041	250.000	246.50
	35 Chloroform	83	4.084	4.084	(0.856)	589936	250.000	241.79
	36 Tetrahydrofuran	42	4.072	4.072	(0.853)	143855	250.000	324.08
	37 1,1,1-Trichloroethane	97	4.248	4.248	(0.890)	476150	250.000	249.06
	38 1,1-Dichloropropene	75	4.382	4.382	(0.918)	492625	250.000	246.74
	39 Carbon Tetrachloride	117	4.388	4.388	(0.920)	421287	250.000	249.31
	40 1,2-Dichloroethane	62	4.552	4.552	(0.954)	422490	250.000	245.03
	41 Benzene	78	4.552	4.552	(0.954)	1511283	250.000	238.44
	42 Trichloroethene	130	5.082	5.082	(1.065)	384965	250.000	248.81
	43 1,2-Dichloropropane	63	5.264	5.264	(1.103)	371824	250.000	242.33
	44 1,4-Dioxane	88	5.380	5.380	(1.127)	132519	12500.0	11705
	45 Dibromomethane	93	5.362	5.362	(1.124)	169399	250.000	244.43
	46 Bromodichloromethane	83	5.489	5.489	(1.150)	429246	250.000	252.13
	48 cis-1,3-Dichloropropene	75	5.879	5.879	(1.232)	512387	250.000	258.41
	49 4-Methyl-2-pentanone	43	6.006	6.006	(1.259)	644921	500.000	489.04
	47 2-Chloroethyl vinyl ether	63	5.745	5.745	(1.204)	333039	500.000	525.29
	50 Toluene	91	6.183	6.183	(0.834)	1559704	250.000	245.29
	51 trans-1,3-Dichloropropene	75	6.359	6.359	(0.857)	410016	250.000	251.66
	52 Ethyl Methacrylate	69	6.444	6.444	(0.869)	355571	250.000	261.78
	53 1,1,2-Trichloroethane	97	6.524	6.524	(0.879)	257841	250.000	239.27
	54 1,3-Dichloropropane	76	6.676	6.676	(0.900)	448079	250.000	241.42
	55 Tetrachloroethene	164	6.676	6.676	(0.900)	295833	250.000	251.29
	56 2-Hexanone	43	6.749	6.749	(0.910)	470309	500.000	437.18
	57 Dibromochloromethane	129	6.882	6.882	(0.928)	269082	250.000	242.32
	58 1,2-Dibromoethane	107	6.992	6.992	(0.943)	249997	250.000	246.49
	59 Chlorobenzene	112	7.448	7.448	(1.004)	928720	250.000	241.83
	60 1,1,1,2-Tetrachloroethane	131	7.521	7.521	(1.014)	314397	250.000	249.68
	61 Ethylbenzene	106	7.552	7.552	(1.018)	544225	250.000	248.24
	62 m + p-Xylene	106	7.661	7.661	(1.033)	1352584	500.000	501.52
M	63 Xylenes (total)	106				2002660	750.000	758.00
	64 Xylene-o	106	8.032	8.032	(1.083)	650076	250.000	256.73
	65 Styrene	104	8.038	8.038	(1.084)	1077549	250.000	253.65
	66 Bromoform	173	8.215	8.215	(1.107)	175872	250.000	240.70
	67 Isopropylbenzene	105	8.385	8.385	(1.130)	1607651	250.000	260.44
	68 1,1,2,2-Tetrachloroethane	83	8.653	8.653	(0.897)	309350	250.000	237.07
	69 1,4-Dichloro-2-butene	53	8.714	8.714	(0.903)	108846	250.000	249.12
	70 1,2,3-Trichloropropane	110	8.695	8.695	(0.901)	99968	250.000	244.12
	71 Bromobenzene	156	8.671	8.671	(0.899)	354124	250.000	257.52
	72 n-Propylbenzene	120	8.774	8.774	(0.909)	463539	250.000	267.88
	73 2-Chlorotoluene	126	8.860	8.860	(0.918)	396038	250.000	264.74
	74 1,3,5-Trimethylbenzene	105	8.945	8.945	(0.927)	1400821	250.000	270.10
	75 4-Chlorotoluene	126	8.963	8.963	(0.929)	387154	250.000	256.32

76	tert-Butylbenzene	119	9.267	9.267 (0.960)	1178172	250.000	270.88
77	1,2,4-Trimethylbenzene	105	9.310	9.310 (0.965)	1386873	250.000	265.19

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\UX71021.D
Report Date: 08-Jun-2005 11:34

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
78 sec-Butylbenzene	105	9.480	9.480	(0.982)	1858012	250.000	262.00
79 4-Isopropyltoluene	119	9.620	9.620	(0.997)	1375068	250.000	260.91
80 1,3-Dichlorobenzene	146	9.584	9.584	(0.993)	685416	250.000	249.06
81 1,4-Dichlorobenzene	146	9.669	9.669	(1.002)	678421	250.000	237.92
82 n-Butylbenzene	91	10.028	10.028	(1.039)	1247180	250.000	252.99
83 1,2-Dichlorobenzene	146	10.034	10.034	(1.040)	615206	250.000	240.10
84 1,2-Dibromo-3-chloropropane	157	10.794	10.794	(1.119)	47458	250.000	204.17
85 1,2,4-Trichlorobenzene	180	11.628	11.628	(1.205)	326714	250.000	232.64
86 Hexachlorobutadiene	225	11.804	11.804	(1.223)	187697	250.000	221.04
87 Naphthalene	128	11.865	11.865	(1.229)	730792	250.000	190.63
88 1,2,3-Trichlorobenzene	180	12.108	12.108	(1.255)	288618	250.000	209.12
98 Cyclohexane	56	4.309	4.309	(0.903)	865482	250.000	259.92
143 Methyl Acetate	43	2.734	2.734	(0.573)	547638	500.000	498.55
144 Methylcyclohexane	83	5.258	5.258	(1.102)	743576	250.000	255.39
141 1,3,5-Trichlorobenzene	180	11.019	11.019	(1.142)	422076	250.000	237.20


Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71021.D
Date : 08-JUN-2005 11:17
Client ID:
Sample Info: 250NG-CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux7.i
Operator: 2807
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride+
-tert-Butyl Alcohol
Acrylonitrile+
-Vinyl acetate+
Hexane
-Bromochloromethane
-Chloroform+
2-Butanone+
-Dibromofluoromethane+
-1,2-Dichloroethane-d4
Cyclohexane
1,1-Dichloropropene+
1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-trans-1,3-Dichloropropene
Toluene-d8
Toluene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
-Bromofluorobenzene
Isopropylbenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
-1,2-Dichloroethene (total)+
1,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71021.D

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\8260MIUX9.m
Start Cal Date: 25-MAY-2005 17:29
End Cal Date : 13-JUN-2005 21:28
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 2.50000		
25-MAY-2005 23:25	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93517.D
13-JUN-2005 21:28	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94056.D
Cal Level: 2 , Cal Amount: 10.00000		
25-MAY-2005 23:03	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93516.D
13-JUN-2005 21:06	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94055.D
Cal Level: 3 , Cal Amount: 25.00000		
25-MAY-2005 22:41	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93515.D
13-JUN-2005 20:43	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94054.D
Cal Level: 4 , Cal Amount: 50.00000		
25-MAY-2005 22:18	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93514.D
13-JUN-2005 20:21	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94053.D
Cal Level: 5 , Cal Amount: 100.00000		
25-MAY-2005 21:56	3-IX	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93513.D
13-JUN-2005 19:59	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94052.D
Cal Level: 6 , Cal Amount: 250.00000		
25-MAY-2005 21:33	3-IX	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93512.D
13-JUN-2005 19:37	2-8260	

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

13-JUN-2005 20:21	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94053.D
13-JUN-2005 19:14	3-IX	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94050.D
13-JUN-2005 20:21	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B.b\UX94053.D
13-JUN-2005 19:14	3-IX	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B.b\UX94050.D

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50613B.D\UX94050.D
Report Date: 06/13/2005

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux9.i
Lab File ID: UX94050.D
Analysis Type: WATER

Injection Date: 13-JUN-2005 19:14
Lab Sample ID: 50NG-A9CC
Method File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50613B.

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0	Propionitrile	100.0000	98.1027	1.9	50.0	
0	Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
0	1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0	
0	Dichlorofluoromethane	50.0000	51.6859	3.4	50.0	
0	Ethyl Ether	50.0000	49.5451	0.9	50.0	
0	3-Chloropropene	50.0000	47.8722	4.3	50.0	
0	Isopropyl Ether	250.0000	257.6542	3.1	50.0	
0	2-Chloro-1,3-butadiene	50.0000	50.7125	1.4	50.0	
0	Fluorobenzene	50.0000	50.0000	0.0	50.0	
0	Ethyl Acetate	100.0000	98.1729	1.8	50.0	
0	Methacrylonitrile	50.0000	46.0909	7.8	50.0	
0	Isobutanol	1000.0000	1141.3320	14.1	50.0	
0	n-Butanol	1000.0000	1177.3619	17.7	50.0	
0	Methyl Methacrylate	50.0000	43.3315	13.3	50.0	
0	2-Nitropropane	100.0000	81.0058	19.0	50.0	
75	Cyclohexanone	500.0000	578.5919	15.7	50.0	
146	2-Methylnaphthalene	250.0000	674.3529	169.7	50.0	<-

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94050.D
Report Date: 14-Jun-2005 18:26

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux9.i
Lab File ID: UX94050.D
Analysis Type: WATER
Lab Sample ID: 50NG-A9CC
Method: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\8260MIUX9.m

Injection Date: 13-JUN-2005 19:14
Init. Cal. Date(s): 25-MAY-2005 13-JUN-2005
Init. Cal. Times: 17:29 21:28
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
14 Dichlorofluoromethane	0.36897	0.38141	0.38141	0.010	-3.37182	50.00000	Averaged	
89 Ethyl Ether	0.24078	0.23859	0.23859	0.010	0.90971	50.00000	Averaged	
91 3-Chloropropene	50.00000	47.87220	0.13976	0.010	4.25560	0.000e+000	Linear	
92 Isopropyl Ether	0.24130	0.24869	0.24869	0.010	-3.06169	50.00000	Averaged	
93 2-Chloro-1,3-butadiene	0.55773	0.56568	0.56568	0.010	-1.42494	50.00000	Averaged	
94 Propionitrile	0.03956	0.03881	0.03881	0.010	1.89732	50.00000	Averaged	
95 Ethyl Acetate	0.29871	0.29326	0.29326	0.010	1.82708	50.00000	Averaged	
96 Methacrylonitrile	0.19712	0.18171	0.18171	0.010	7.81817	50.00000	Averaged	
97 Isobutanol	0.01092	0.01247	0.01247	0.010	-14.13320	50.00000	Averaged	
99 n-Butanol	1000	1177	0.00993	0.010	-17.73619	0.000e+000	Linear	<-
100 Methyl Methacrylate	0.28730	0.24899	0.24899	0.010	13.33699	50.00000	Averaged	
101 2-Nitropropane	100	81.00578	0.05885	0.010	18.99422	0.000e+000	Linear	
103 Cyclohexanone	0.04463	0.05165	0.05165	0.010	-15.71838	50.00000	Averaged	
146 2-Methylnaphthalene	250	674	0.84462	0.010	-170	0.000e+000	Linear	

Report Date : 13-Jun-2005 22:01

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 25-MAY-2005 17:29
End Cal Date : 13-JUN-2005 21:28
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B.b\8260MIUX9.m
Last Edit : 13-Jun-2005 21:59 a3ux9.i
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93517.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93516.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93515.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93514.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93513.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93512.D

	Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	RRF	% RSD
	8 Dichlorodifluoromethane	0.18334	0.19625	0.22854	0.24917	0.27565	0.26605	0.23316	16.058
	9 Chloromethane	0.45494	0.43618	0.47335	0.47500	0.48061	0.48475	0.46747	3.943
	10 Vinyl Chloride	0.29320	0.31374	0.37740	0.36976	0.37594	0.37366	0.35062	10.605
	11 Bromomethane	+++++	0.10572	0.13082	0.13101	0.12498	0.11072	0.12065	9.729
	12 Chloroethane	0.11917	0.15123	0.18179	0.18101	0.17850	0.16315	0.16247	15.014
	13 Trichlorofluoromethane	0.14291	0.23227	0.27951	0.28563	0.29783	0.29351	0.25528	23.463
	14 Dichlorofluoromethane	0.42874	0.32355	0.36349	0.35456	0.36911	0.37433	0.36897	9.311
	15 Acrolein	0.04248	0.04216	0.04582	0.04687	0.05072	0.04717	0.04587	6.997
	16 Acetone	0.20350	0.18585	0.15556	0.16314	0.17421	0.13794	0.17003	13.602
	17 1,1-Dichloroethene	0.35128	0.38809	0.47375	0.46756	0.49047	0.47651	0.44128	12.953
	18 Freon-113	+++++	0.12807	0.17407	0.17097	0.18318	0.18870	0.16900	14.171
	19 Iodomethane	0.24686	0.29011	0.33168	0.34126	0.35778	0.35682	0.32075	13.669
	20 Carbon Disulfide	0.59714	0.78070	0.86365	0.86672	0.92225	0.91535	0.82430	14.832
	21 Methylene Chloride	0.60925	0.43049	0.31737	0.29933	0.29503	0.27953	0.37183	34.535
	22 Acetonitrile	0.04862	0.04624	0.04024	0.04230	0.04536	0.04148	0.04404	7.294
	23 Acrylonitrile	0.09715	0.10447	0.10853	0.11123	0.12092	0.11335	0.10928	7.395
	24 Methyl tert-butyl ether	0.55987	0.57258	0.65539	0.64476	0.71529	0.67243	0.63672	9.392
	25 trans-1,2-Dichloroethene	0.41195	0.40019	0.45822	0.47022	0.47652	0.47013	0.44787	7.396
	26 Hexane	0.50197	0.48906	0.55189	0.52786	0.59337	0.56710	0.53854	7.381
	27 Vinyl acetate	0.60859	0.53252	0.62035	0.66323	0.72260	0.70442	0.64195	10.885
	28 1,1-Dichloroethane	0.53569	0.51065	0.55388	0.53707	0.57101	0.56321	0.54525	4.031
	29 tert-Butyl Alcohol	0.02014	0.02245	0.01981	0.02018	0.02369	0.01974	0.02100	7.889
	30 2-Butanone	0.17573	0.17853	0.18212	0.18971	0.21217	0.17394	0.18537	7.699
M	31 1,2-Dichloroethene (total)	0.42536	0.41263	0.46961	0.47836	0.49398	0.48690	0.46114	7.349
	32 cis-1,2-dichloroethene	0.43877	0.42508	0.48100	0.48651	0.51143	0.50367	0.47441	7.375
	33 2,2-Dichloropropane	0.24525	0.26891	0.29573	0.29030	0.31779	0.30965	0.28794	9.336
	34 Bromochloromethane	0.10060	0.11817	0.11757	0.12406	0.13232	0.12819	0.12015	9.273
	35 Chloroform	0.38586	0.40631	0.41929	0.41508	0.44556	0.42630	0.41640	4.794

Report Date : 13-Jun-2005 22:01

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 25-MAY-2005 17:29
End Cal Date : 13-JUN-2005 21:28
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B.b\8260MIUX9.m
Last Edit : 13-Jun-2005 21:59 a3ux9.i
Curve Type : Average

	Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	___ RRF	% RSD	
	36 Tetrahydrofuran	0.14304	0.12314	0.09312	0.09468	0.09881	0.08772	0.10675	20.274	
	37 1,1,1-Trichloroethane	0.29882	0.27835	0.33823	0.34821	0.37084	0.35522	0.33161	10.727	
	38 1,1-Dichloropropene	0.32062	0.31854	0.36866	0.36876	0.38695	0.37224	0.35596	8.142	
	39 Carbon Tetrachloride	0.22222	0.22468	0.27533	0.27599	0.29911	0.29535	0.26545	12.794	
	40 1,2-Dichloroethane	0.36069	0.33768	0.39797	0.38796	0.41029	0.39891	0.38225	7.207	
	41 Benzene	1.08823	1.11020	1.16836	1.16631	1.23467	1.20908	1.16281	4.815	
	42 Trichloroethene	0.23380	0.24338	0.26900	0.28713	0.29815	0.29041	0.27031	9.819	
	43 1,2-Dichloropropane	0.32000	0.29274	0.32291	0.32785	0.33875	0.33507	0.32289	5.073	
	44 1,4-Dioxane	0.00212	0.00278	0.00207	0.00220	0.00257	0.00192	0.00228	14.464	<-
	45 Dibromomethane	0.11355	0.11922	0.12595	0.12792	0.13448	0.13290	0.12567	6.401	
	46 Bromodichloromethane	0.23111	0.25282	0.29275	0.30390	0.32643	0.32199	0.28817	13.334	
	47 2-Chloroethyl vinyl ether	0.04376	0.05460	0.07055	0.07801	0.09012	0.09132	0.07139	26.852	
	48 cis-1,3-Dichloropropene	0.28074	0.36646	0.39008	0.42423	0.44974	0.45207	0.39389	16.451	
	49 4-Methyl-2-pentanone	0.25789	0.29167	0.29341	0.31438	0.36740	0.31410	0.30647	11.840	
	50 Toluene	1.64133	1.69845	1.83930	1.83698	1.76006	1.79489	1.76184	4.489	
	51 trans-1,3-Dichloropropene	0.37280	0.39908	0.45864	0.47732	0.49290	0.50962	0.45173	12.024	
	52 Ethyl Methacrylate	0.25069	0.28403	0.38821	0.40959	0.44702	0.44236	0.37032	22.494	
	53 1,1,2-Trichloroethane	0.28443	0.30095	0.30627	0.31221	0.30226	0.29581	0.30032	3.172	
	54 1,3-Dichloropropane	0.51193	0.49958	0.57300	0.58337	0.55760	0.55221	0.54628	6.134	
	55 Tetrachloroethene	0.29586	0.29766	0.33199	0.31563	0.30588	0.30548	0.30875	4.334	
	56 2-Hexanone	0.25840	0.26929	0.32351	0.38860	0.41420	0.35575	0.33496	18.831	
	57 Dibromochloromethane	0.20145	0.20632	0.26324	0.27919	0.28938	0.29551	0.25585	16.312	
	58 1,2-Dibromoethane	0.21357	0.22650	0.28374	0.28196	0.28859	0.28961	0.26399	13.037	
	59 Chlorobenzene	1.03944	1.01166	1.16646	1.13478	1.13953	1.15775	1.10827	5.928	
	60 1,1,1,2-Tetrachloroethane	0.32415	0.29935	0.33616	0.34166	0.35028	0.34877	0.33340	5.757	
	61 Ethylbenzene	1.73772	1.65325	2.06293	2.04944	2.03284	2.07420	1.93506	9.715	
	62 m + p-Xylene	1.36937	1.29491	1.57678	1.58841	1.59614	1.63377	1.50990	9.337	
M	63 Xylenes (total)	1.33664	1.30947	1.58996	1.60758	1.60484	1.63452	1.51384	9.824	
	64 Xylene-o	1.27116	1.33859	1.61632	1.64593	1.62225	1.63602	1.52171	11.147	
	65 Styrene	0.79522	0.80705	1.09523	1.17216	1.24837	1.29560	1.06894	20.429	
	66 Bromoform	0.10938	0.08630	0.13258	0.14965	0.16483	0.17013	0.13548	24.194	<-
	67 Isopropylbenzene	1.47817	1.54582	1.86947	1.88429	1.88803	1.95179	1.76960	11.452	
	68 1,1,2,2-Tetrachloroethane	0.72069	0.83359	0.86663	0.90305	0.87463	0.78709	0.83095	8.067	
	69 1,4-Dichloro-2-butene	0.14581	0.22803	0.24885	0.27823	0.29895	0.30039	0.25004	23.369	
	70 1,2,3-Trichloropropane	0.24573	0.24456	0.26997	0.26903	0.26362	0.23578	0.25478	5.712	
	71 Bromobenzene	0.82975	0.90057	0.99835	1.00270	0.97374	0.91697	0.93701	7.184	

Report Date : 13-Jun-2005 22:01

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 25-MAY-2005 17:29
End Cal Date : 13-JUN-2005 21:28
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B.b\8260MIUX9.m
Last Edit : 13-Jun-2005 21:59 a3ux9.i
Curve Type : Average

Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	RRF	% RSD	
72 n-Propylbenzene	4.58850	4.71131	5.42509	5.62049	5.56615	5.37954	5.21518	8.597	
73 2-Chlorotoluene	0.92764	1.02582	1.12504	1.13734	1.10360	1.04713	1.06109	7.416	
74 1,3,5-Trimethylbenzene	2.85631	3.16497	3.55072	3.75603	3.70090	3.61391	3.44047	10.291	
75 4-Chlorotoluene	0.89622	1.00026	1.06610	1.09109	1.06052	1.02051	1.02245	6.846	
76 tert-Butylbenzene	2.85666	3.15167	3.71485	3.55357	3.29747	3.18153	3.29263	9.298	
77 1,2,4-Trimethylbenzene	2.84015	3.14461	3.42185	3.64481	3.67449	3.59648	3.38707	9.810	
78 sec-Butylbenzene	4.09384	4.15023	4.74732	4.81159	4.82844	4.68538	4.55280	7.423	
79 4-Isopropyltoluene	2.86882	3.15411	3.53514	3.71703	3.71627	3.71482	3.45103	10.407	
80 1,3-Dichlorobenzene	1.67229	1.72670	1.75090	1.81940	1.81987	1.78725	1.76273	3.278	
81 1,4-Dichlorobenzene	1.73707	1.67943	1.78592	1.84404	1.81223	1.81041	1.77818	3.378	
82 n-Butylbenzene	2.56549	2.67755	2.98923	3.09923	3.19631	3.23923	2.96118	9.425	
83 1,2-Dichlorobenzene	1.60404	1.54908	1.67939	1.72075	1.69898	1.65382	1.65101	3.885	
84 1,2-Dibromo-3-chloropropane	+++++	0.08552	0.09292	0.09979	0.10943	0.11293	0.10012	11.343	<-
85 1,2,4-Trichlorobenzene	0.63354	0.74384	0.82379	0.83731	0.86859	0.90145	0.80142	12.201	
86 Hexachlorobutadiene	0.36704	0.35895	0.38740	0.39800	0.40307	0.39569	0.38503	4.671	
87 Naphthalene	0.82345	1.21914	1.44424	1.56323	1.77492	1.86005	1.44750	26.440	
88 1,2,3-Trichlorobenzene	0.50415	0.72417	0.69530	0.74458	0.77417	0.77636	0.70312	14.535	
89 Ethyl Ether	0.22081	0.23545	0.25627	0.24713	0.24798	0.23702	0.24078	5.165	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
91 3-Chloropropene	0.11220	0.10200	0.15241	0.14384	0.14713	0.14785	0.13424	15.974	
92 Isopropyl Ether	0.22787	0.22239	0.25519	0.24853	0.25032	0.24350	0.24130	5.464	
93 2-Chloro-1,3-butadiene	0.49628	0.49126	0.58644	0.58230	0.59465	0.59549	0.55773	8.933	
94 Propionitrile	0.04608	0.03309	0.04286	0.03929	0.03892	0.03709	0.03956	11.405	
95 Ethyl Acetate	0.32526	0.29670	0.30617	0.28999	0.30081	0.27336	0.29871	5.774	
96 Methacrylonitrile	0.17962	0.20877	0.21412	0.20012	0.19637	0.18370	0.19712	6.884	
97 Isobutanol	+++++	0.01120	0.01228	0.01080	0.01111	0.00922	0.01092	10.095	<-
98 Cyclohexane	0.55347	0.62833	0.71080	0.68865	0.74541	0.74162	0.67805	10.988	
99 n-Butanol	0.01355	0.01249	0.01012	0.00906	0.00919	0.00736	0.01030	22.485	<-
100 Methyl Methacrylate	0.30451	0.25750	0.30111	0.28608	0.29401	0.28061	0.28730	5.960	
101 2-Nitropropane	0.11069	0.09262	0.07591	0.07056	0.07199	0.06975	0.08192	20.091	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
103 Cyclohexanone	0.04933	0.04915	0.04680	0.04209	0.04380	0.03663	0.04463	10.897	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

Report Date : 13-Jun-2005 22:01

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 25-MAY-2005 17:29
End Cal Date : 13-JUN-2005 21:28
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B.b\8260MIUX9.m
Last Edit : 13-Jun-2005 21:59 a3ux9.i
Curve Type : Average

Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	___ RRF	% RSD	
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
M 137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
141 1,3,5-Trichlorobenzene	0.90501	0.98059	1.04376	1.08287	1.08339	1.09914	1.03246	7.331	
143 Methyl Acetate	0.22867	0.23802	0.22169	0.22196	0.24521	0.22810	0.23061	4.033	
144 Methylcyclohexane	0.48999	0.48317	0.54425	0.52761	0.57641	0.55445	0.52931	6.942	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
146 2-Methylnaphthalene	0.03338	0.11195	0.12600	0.17969	0.32380	0.32371	0.18309	64.772	<-
147 Allyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 4 Dibromofluoromethane	0.17789	0.17873	0.20573	0.21759	0.21928	0.21478	0.20233	9.484	
$ 5 1,2-Dichloroethane-d4	0.23351	0.27025	0.28120	0.28777	0.30339	0.28957	0.27762	8.708	
$ 6 Toluene-d8	1.35577	1.25693	1.52305	1.50210	1.45225	1.45978	1.42498	7.056	
$ 7 Bromofluorobenzene	0.45613	0.45845	0.52514	0.54566	0.54441	0.55780	0.51460	8.863	

eport Date : 14-Jun-2005 18:34

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 25-MAY-2005 17:29
nd Cal Date : 13-JUN-2005 21:28
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\8260MIUX9.m
ast Edit : 14-Jun-2005 18:27 a3ux9.i

alibration File Names:
evel 1: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93517.D
evel 2: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93516.D
evel 3: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93515.D
evel 4: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93514.D
evel 5: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93513.D
evel 6: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93512.D

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
8 Dichlorodifluoromethane	8312	17253	105686	234341	509462	1216244	LINR	0.03330	0.26908		0.99938
9 Chloromethane	0.45494	0.43618	0.47335	0.47500	0.48061	0.48475	AVRG		0.46747		3.94292
10 Vinyl Chloride	0.29320	0.31374	0.37740	0.36976	0.37594	0.37366	AVRG		0.35062		10.60491
11 Bromomethane	+++++	0.10572	0.13082	0.13101	0.12498	0.11072	AVRG		0.12065		9.72889
12 Chloroethane	5403	13295	84066	170235	329904	745830	LINR	-0.05033	0.16373		0.99820
13 Trichlorofluoromethane	6479	20420	129257	268628	550470	1341790	LINR	0.02057	0.29542		0.99990
14 Dichlorofluoromethane	0.42874	0.32355	0.36349	0.35456	0.36911	0.37433	AVRG		0.36897		9.31122
15 Acrolein	0.04248	0.04216	0.04582	0.04687	0.05072	0.04717	AVRG		0.04587		6.99681
16 Acetone	0.20350	0.18585	0.15556	0.16314	0.17421	0.13794	AVRG		0.17003		13.60207
17 1,1-Dichloroethene	0.35128	0.38809	0.47375	0.46756	0.49047	0.47651	AVRG		0.44128		12.95332
18 Freon-113	+++++	0.12807	0.17407	0.17097	0.18318	0.18870	AVRG		0.16900		14.17091
19 Iodomethane	0.24686	0.29011	0.33168	0.34126	0.35778	0.35682	AVRG		0.32075		13.66856
20 Carbon Disulfide	0.59714	0.78070	0.86365	0.86672	0.92225	0.91535	AVRG		0.82430		14.83156
21 Methylene Chloride	27622	37846	146767	281514	545285	1277894	LINR	-0.07602	0.27665		0.99975

eport Date : 14-Jun-2005 18:34

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 25-MAY-2005 17:29
nd Cal Date : 13-JUN-2005 21:28
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\8260MIUX9.m
ast Edit : 14-Jun-2005 18:27 a3ux9.i

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
22 Acetonitrile	0.04862	0.04624	0.04024	0.04230	0.04536	0.04148	AVRG		0.04404		7.29400
23 Acrylonitrile	0.09715	0.10447	0.10853	0.11123	0.12092	0.11335	AVRG		0.10928		7.39514
24 Methyl tert-butyl ether	0.55987	0.57258	0.65539	0.64476	0.71529	0.67243	AVRG		0.63672		9.39217
25 trans-1,2-Dichloroethene	0.41195	0.40019	0.45822	0.47022	0.47652	0.47013	AVRG		0.44787		7.39603
26 Hexane	0.50197	0.48906	0.55189	0.52786	0.59337	0.56710	AVRG		0.53854		7.38079
27 Vinyl acetate	0.60859	0.53252	0.62035	0.66323	0.72260	0.70442	AVRG		0.64195		10.88506
28 1,1-Dichloroethane	0.53569	0.51065	0.55388	0.53707	0.57101	0.56321	AVRG		0.54525		4.03139
29 tert-Butyl Alcohol	0.02014	0.02245	0.01981	0.02018	0.02369	0.01974	AVRG		0.02100		7.88904
30 2-Butanone	0.17573	0.17853	0.18212	0.18971	0.21217	0.17394	AVRG		0.18537		7.69913
31 1,2-Dichloroethene (total)	0.42536	0.41263	0.46961	0.47836	0.49398	0.48690	AVRG		0.46114		7.34933
32 cis-1,2-dichloroethene	0.43877	0.42508	0.48100	0.48651	0.51143	0.50367	AVRG		0.47441		7.37469
33 2,2-Dichloropropane	0.24525	0.26891	0.29573	0.29030	0.31779	0.30965	AVRG		0.28794		9.33600
34 Bromochloromethane	0.10060	0.11817	0.11757	0.12406	0.13232	0.12819	AVRG		0.12015		9.27286
35 Chloroform	0.38586	0.40631	0.41929	0.41508	0.44556	0.42630	AVRG		0.41640		4.79440
36 Tetrahydrofuran	6485	10826	43064	89047	182624	401025	LINR	-0.07066	0.08783		0.99763
37 1,1,1-Trichloroethane	0.29882	0.27835	0.33823	0.34821	0.37084	0.35522	AVRG		0.33161		10.72713
38 1,1-Dichloropropene	0.32062	0.31854	0.36866	0.36876	0.38695	0.37224	AVRG		0.35596		8.14240
39 Carbon Tetrachloride	0.22222	0.22468	0.27533	0.27599	0.29911	0.29535	AVRG		0.26545		12.79438
40 1,2-Dichloroethane	0.36069	0.33768	0.39797	0.38796	0.41029	0.39891	AVRG		0.38225		7.20694
41 Benzene	1.08823	1.11020	1.16836	1.16631	1.23467	1.20908	AVRG		1.16281		4.81528
42 Trichloroethene	0.23380	0.24338	0.26900	0.28713	0.29815	0.29041	AVRG		0.27031		9.81901
43 1,2-Dichloropropane	0.32000	0.29274	0.32291	0.32785	0.33875	0.33507	AVRG		0.32289		5.07346

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ethod file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\8260MIUX9.m
ast Edit : 14-Jun-2005 18:27 a3ux9.i

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
44 1,4-Dioxane	0.00212	0.00278	0.00207	0.00220	0.00257	0.00192	AVRG		0.00228		14.46410	<-
45 Dibromomethane	0.11355	0.11922	0.12595	0.12792	0.13448	0.13290	AVRG		0.12567		6.40120	
46 Bromodichloromethane	0.23111	0.25282	0.29275	0.30390	0.32643	0.32199	AVRG		0.28817		13.33380	
47 2-Chloroethyl vinyl ether	3968	9601	65254	146727	333136	834907	LINR	0.15709	0.09265		0.99929	
48 cis-1,3-Dichloropropene	12728	32217	180390	398979	831227	2066687	LINR	0.04081	0.45565		0.99984	
49 4-Methyl-2-pentanone	0.25789	0.29167	0.29341	0.31438	0.36740	0.31410	AVRG		0.30647		11.83996	
50 Toluene	1.64133	1.69845	1.83930	1.83698	1.76006	1.79489	AVRG		1.76184		4.48948	
51 trans-1,3-Dichloropropene	0.37280	0.39908	0.45864	0.47732	0.49290	0.50962	AVRG		0.45173		12.02429	
52 Ethyl Methacrylate	7719	18129	124298	273107	629536	1507159	LINR	0.04314	0.44695		0.99974	
53 1,1,2-Trichloroethane	0.28443	0.30095	0.30627	0.31221	0.30226	0.29581	AVRG		0.30032		3.17218	
54 1,3-Dichloropropane	0.51193	0.49958	0.57300	0.58337	0.55760	0.55221	AVRG		0.54628		6.13389	
55 Tetrachloroethene	0.29586	0.29766	0.33199	0.31563	0.30588	0.30548	AVRG		0.30875		4.33438	
56 2-Hexanone	15913	34376	207162	518221	1166616	2424185	LINR	-0.05750	0.36241		0.99471	
57 Dibromochloromethane	6203	13169	84286	186160	407523	1006828	LINR	0.04210	0.29745		0.99991	
58 1,2-Dibromoethane	0.21357	0.22650	0.28374	0.28196	0.28859	0.28961	AVRG		0.26399		13.03707	
59 Chlorobenzene	1.03944	1.01166	1.16646	1.13478	1.13953	1.15775	AVRG		1.10827		5.92838	
60 1,1,1,2-Tetrachloroethane	0.32415	0.29935	0.33616	0.34166	0.35028	0.34877	AVRG		0.33340		5.75695	
61 Ethylbenzene	1.73772	1.65325	2.06293	2.04944	2.03284	2.07420	AVRG		1.93506		9.71520	
62 m + p-Xylene	1.36937	1.29491	1.57678	1.58841	1.59614	1.63377	AVRG		1.50990		9.33744	
63 Xylenes (total)	1.33664	1.30947	1.58996	1.60758	1.60484	1.63452	AVRG		1.51384		9.82429	
64 Xylene-o	1.27116	1.33859	1.61632	1.64593	1.62225	1.63602	AVRG		1.52171		11.14688	
65 Styrene	24486	51512	350673	781577	1758058	4414274	LINR	0.06261	1.30705		0.99969	

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ast Edit : 14-Jun-2005 18:27 a3ux9.i

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
66 Bromoform	3368	5508	42450	99787	232129	579667	LINR	0.07708	0.17226		0.99950	<-
67 Isopropylbenzene	1.47817	1.54582	1.86947	1.88429	1.88803	1.95179	AVRG		1.76960		11.45236	
68 1,1,2,2-Tetrachloroethane	0.72069	0.83359	0.86663	0.90305	0.87463	0.78709	AVRG		0.83095		8.06715	
69 1,4-Dichloro-2-butene	1643	5229	32864	76276	179743	473949	LINR	0.05061	0.30344		0.99976	
70 1,2,3-Trichloropropane	0.24573	0.24456	0.26997	0.26903	0.26362	0.23578	AVRG		0.25478		5.71220	
71 Bromobenzene	0.82975	0.90057	0.99835	1.00270	0.97374	0.91697	AVRG		0.93701		7.18439	
72 n-Propylbenzene	4.58850	4.71131	5.42509	5.62049	5.56615	5.37954	AVRG		5.21518		8.59730	
73 2-Chlorotoluene	0.92764	1.02582	1.12504	1.13734	1.10360	1.04713	AVRG		1.06109		7.41567	
74 1,3,5-Trimethylbenzene	2.85631	3.16497	3.55072	3.75603	3.70090	3.61391	AVRG		3.44047		10.29096	
75 4-Chlorotoluene	0.89622	1.00026	1.06610	1.09109	1.06052	1.02051	AVRG		1.02245		6.84562	
76 tert-Butylbenzene	2.85666	3.15167	3.71485	3.55357	3.29747	3.18153	AVRG		3.29263		9.29830	
77 1,2,4-Trimethylbenzene	2.84015	3.14461	3.42185	3.64481	3.67449	3.59648	AVRG		3.38707		9.80991	
78 sec-Butylbenzene	4.09384	4.15023	4.74732	4.81159	4.82844	4.68538	AVRG		4.55280		7.42304	
79 4-Isopropyltoluene	2.86882	3.15411	3.53514	3.71703	3.71627	3.71482	AVRG		3.45103		10.40664	
80 1,3-Dichlorobenzene	1.67229	1.72670	1.75090	1.81940	1.81987	1.78725	AVRG		1.76273		3.27808	
81 1,4-Dichlorobenzene	1.73707	1.67943	1.78592	1.84404	1.81223	1.81041	AVRG		1.77818		3.37766	
82 n-Butylbenzene	2.56549	2.67755	2.98923	3.09923	3.19631	3.23923	AVRG		2.96118		9.42497	
83 1,2-Dichlorobenzene	1.60404	1.54908	1.67939	1.72075	1.69898	1.65382	AVRG		1.65101		3.88529	
84 1,2-Dibromo-3-chloropropane	+++++	0.08552	0.09292	0.09979	0.10943	0.11293	AVRG		0.10012		11.34342	<-
85 1,2,4-Trichlorobenzene	0.63354	0.74384	0.82379	0.83731	0.86859	0.90145	AVRG		0.80142		12.20089	
86 Hexachlorobutadiene	0.36704	0.35895	0.38740	0.39800	0.40307	0.39569	AVRG		0.38503		4.67062	
87 Naphthalene	9279	27956	190733	428562	1067165	2934738	LINR	0.08800	1.88359		0.99914	

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ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\8260MIUX9.m
ast Edit : 14-Jun-2005 18:27 a3ux9.i

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
88 1,2,3-Trichlorobenzene	0.50415	0.72417	0.69530	0.74458	0.77417	0.77636	AVRG		0.70312		14.53509	
89 Ethyl Ether	0.22081	0.23545	0.25627	0.24713	0.24798	0.23702	AVRG		0.24078		5.16546	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	6745	12248	90762	172873	348318	887143	LINR	0.01488	0.14828		0.99993	
92 Isopropyl Ether	0.22787	0.22239	0.25519	0.24853	0.25032	0.24350	AVRG		0.24130		5.46423	
93 2-Chloro-1,3-butadiene	0.49628	0.49126	0.58644	0.58230	0.59465	0.59549	AVRG		0.55773		8.93313	
94 Propionitrile	0.04608	0.03309	0.04286	0.03929	0.03892	0.03709	AVRG		0.03956		11.40525	
95 Ethyl Acetate	0.32526	0.29670	0.30617	0.28999	0.30081	0.27336	AVRG		0.29871		5.77396	
96 Methacrylonitrile	0.17962	0.20877	0.21412	0.20012	0.19637	0.18370	AVRG		0.19712		6.88363	
97 Isobutanol	+++++	0.01120	0.01228	0.01080	0.01111	0.00922	AVRG		0.01092		10.09510	<-
98 Cyclohexane	0.55347	0.62833	0.71080	0.68865	0.74541	0.74162	AVRG		0.67805		10.98824	
99 n-Butanol	12553	23298	93624	166092	336622	689331	LINR	-3.39404	0.00737		0.99071	<-
100 Methyl Methacrylate	0.30451	0.25750	0.30111	0.28608	0.29401	0.28061	AVRG		0.28730		5.96001	
101 2-Nitropropane	13309	22243	90413	169595	340848	837033	LINR	-0.07630	0.06938		0.99988	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
103 Cyclohexanone	0.04933	0.04915	0.04680	0.04209	0.04380	0.03663	AVRG		0.04463		10.89739	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

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ast Edit : 14-Jun-2005 18:27 a3ux9.i

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
141 1,3,5-Trichlorobenzene	0.90501	0.98059	1.04376	1.08287	1.08339	1.09914	AVRG		1.03246		7.33092	
143 Methyl Acetate	0.22867	0.23802	0.22169	0.22196	0.24521	0.22810	AVRG		0.23061		4.03315	
144 Methylcyclohexane	0.48999	0.48317	0.54425	0.52761	0.57641	0.55445	AVRG		0.52931		6.94236	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
146 2-Methylnaphthalene	3237	22486	127792	368759	1373706	3593215	LINR	0.98959	0.33792		0.99212	
147 Allyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
4 Dibromofluoromethane	0.17789	0.17873	0.20573	0.21759	0.21928	0.21478	AVRG		0.20233		9.48351	
5 1,2-Dichloroethane-d4	0.23351	0.27025	0.28120	0.28777	0.30339	0.28957	AVRG		0.27762		8.70849	
6 Toluene-d8	1.35577	1.25693	1.52305	1.50210	1.45225	1.45978	AVRG		1.42498		7.05617	
7 Bromofluorobenzene	0.45613	0.45845	0.52514	0.54566	0.54441	0.55780	AVRG		0.51460		8.86304	

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ast Edit : 14-Jun-2005 18:27 a3ux9.i

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94051.D
Report Date: 14-Jun-2005 18:26

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VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94051.D
Lab Smp Id: 250NG-IC
Inj Date : 13-JUN-2005 19:37
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 250NG-IC
Misc Info : N50613B,8260MIUX9,2-8260.SUB,1819,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\8260MIUX9.m
Meth Date : 14-Jun-2005 18:26 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	914313	50.0000	
* 2 Chlorobenzene-d5	117	7.747	7.747	(1.000)	681423	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	315555	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	981900	250.000	265.38(A)
$ 5 1,2-Dichloroethane-d4	65	4.825	4.825	(0.947)	1323784	250.000	260.76(A)
$ 6 Toluene-d8	98	6.446	6.446	(0.832)	4973644	250.000	256.10(A)
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	1900478	250.000	270.99(A)
8 Dichlorodifluoromethane	85	1.582	1.582	(0.311)	1216244	250.000	248.85
9 Chloromethane	50	1.736	1.736	(0.341)	2216058	250.000	259.24(A)
10 Vinyl Chloride	62	1.831	1.831	(0.359)	1708221	250.000	266.43(A)
11 Bromomethane	94	2.127	2.127	(0.417)	506144	250.000	229.42
12 Chloroethane	64	2.221	2.221	(0.436)	745830	250.000	246.59
13 Trichlorofluoromethane	101	2.351	2.351	(0.461)	1341790	250.000	249.41
15 Acrolein	56	2.671	2.671	(0.524)	2156248	2500.00	2570.7(A)
16 Acetone	43	2.789	2.789	(0.547)	1261210	500.000	405.63(A)
17 1,1-Dichloroethene	61	2.766	2.766	(0.543)	2178406	250.000	269.96(A)
18 Freon-113	151	2.825	2.825	(0.554)	862663	250.000	279.15(A)
19 Iodomethane	142	2.896	2.896	(0.568)	1631234	250.000	278.11(A)
20 Carbon Disulfide	76	2.955	2.955	(0.580)	4184563	250.000	277.61(A)
21 Methylene Chloride	84	3.144	3.144	(0.617)	1277894	250.000	248.80
22 Acetonitrile	41	3.014	3.014	(0.591)	1896373	2500.00	2354.7(A)
23 Acrylonitrile	53	3.322	3.322	(0.652)	5181890	2500.00	2593.2(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94051.D
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Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.357	3.357	(0.659)	3074076	250.000	264.02(A)
25 trans-1,2-Dichloroethene	61	3.369	3.369	(0.661)	2149223	250.000	262.42(A)
26 Hexane	57	3.582	3.582	(0.703)	2592542	250.000	263.26(A)
27 Vinyl acetate	43	3.724	3.724	(0.731)	3220309	250.000	274.33(A)
28 1,1-Dichloroethane	63	3.700	3.700	(0.726)	2574734	250.000	258.23(A)
29 tert-Butyl Alcohol	59	3.203	3.203	(0.629)	1804751	5000.00	4699.5(A)
30 2-Butanone	43	4.150	4.150	(0.814)	1590320	500.000	469.17(A)
32 cis-1,2-dichloroethene	61	4.162	4.162	(0.817)	2302550	250.000	265.42(A)
33 2,2-Dichloropropane	77	4.162	4.162	(0.817)	1415570	250.000	268.85(A)
34 Bromochloromethane	128	4.351	4.351	(0.854)	586013	250.000	266.72(A)
35 Chloroform	83	4.410	4.410	(0.865)	1948845	250.000	255.94(A)
36 Tetrahydrofuran	42	4.399	4.399	(0.863)	401025	250.000	246.17
37 1,1,1-Trichloroethane	97	4.576	4.576	(0.898)	1623932	250.000	267.80(A)
38 1,1-Dichloropropene	75	4.706	4.706	(0.923)	1701718	250.000	261.43(A)
39 Carbon Tetrachloride	117	4.718	4.718	(0.926)	1350198	250.000	278.16(A)
40 1,2-Dichloroethane	62	4.884	4.884	(0.958)	1823663	250.000	260.90(A)
41 Benzene	78	4.884	4.884	(0.958)	5527368	250.000	259.95(A)
42 Trichloroethene	130	5.404	5.404	(1.060)	1327648	250.000	268.59(A)
43 1,2-Dichloropropane	63	5.594	5.594	(1.097)	1531796	250.000	259.43(A)
44 1,4-Dioxane	88	5.700	5.700	(1.118)	439331	12500.0	10546(A)
45 Dibromomethane	93	5.688	5.688	(1.116)	607583	250.000	264.40(A)
46 Bromodichloromethane	83	5.818	5.818	(1.142)	1471990	250.000	279.34(A)
48 cis-1,3-Dichloropropene	75	6.197	6.197	(1.216)	2066687	250.000	250.08(A)
49 4-Methyl-2-pentanone	43	6.315	6.315	(1.239)	2871828	500.000	512.44(A)
50 Toluene	91	6.505	6.505	(0.840)	6115413	250.000	254.69(A)
51 trans-1,3-Dichloropropene	75	6.682	6.682	(0.863)	1736335	250.000	282.04(A)
52 Ethyl Methacrylate	69	6.741	6.741	(0.870)	1507159	250.000	249.58
53 1,1,2-Trichloroethane	97	6.848	6.848	(0.884)	1007865	250.000	246.24
54 1,3-Dichloropropane	76	7.002	7.002	(0.904)	1881458	250.000	252.71(A)
55 Tetrachloroethene	164	7.002	7.002	(0.904)	1040795	250.000	247.35
56 2-Hexanone	43	7.049	7.049	(0.910)	2424185	500.000	487.94(A)
57 Dibromochloromethane	129	7.215	7.215	(0.931)	1006828	250.000	250.47(A)
58 1,2-Dibromoethane	107	7.321	7.321	(0.945)	986745	250.000	274.26(A)
59 Chlorobenzene	112	7.771	7.771	(1.003)	3944583	250.000	261.16(A)
60 1,1,1,2-Tetrachloroethane	131	7.842	7.842	(1.012)	1188308	250.000	261.53(A)
61 Ethylbenzene	91	7.866	7.866	(1.015)	7067021	250.000	267.97(A)
62 m + p-Xylene	91	7.972	7.972	(1.029)	11132893	500.000	541.02(A)
64 Xylene-o	91	8.351	8.351	(1.078)	5574112	250.000	268.78(A)
65 Styrene	104	8.363	8.363	(1.079)	4414274	250.000	250.94(A)
66 Bromoform	173	8.552	8.552	(1.104)	579667	250.000	250.77(A)
67 Isopropylbenzene	105	8.706	8.706	(1.124)	6649981	250.000	275.74(A)
68 1,1,2,2-Tetrachloroethane	83	8.978	8.978	(0.899)	1241856	250.000	236.81
69 1,4-Dichloro-2-butene	53	9.025	9.025	(0.904)	473949	250.000	250.02(A)
70 1,2,3-Trichloropropane	110	9.025	9.025	(0.904)	372013	250.000	231.36
71 Bromobenzene	156	9.001	9.001	(0.902)	1446778	250.000	244.65
72 n-Propylbenzene	91	9.096	9.096	(0.911)	8487698	250.000	257.88(A)
73 2-Chlorotoluene	126	9.191	9.191	(0.921)	1652139	250.000	246.71
74 1,3,5-Trimethylbenzene	105	9.262	9.262	(0.928)	5701933	250.000	262.60(A)
75 4-Chlorotoluene	126	9.297	9.297	(0.931)	1610133	250.000	249.52
76 tert-Butylbenzene	119	9.593	9.593	(0.961)	5019736	250.000	241.56
77 1,2,4-Trimethylbenzene	105	9.629	9.629	(0.964)	5674444	250.000	265.46(A)
78 sec-Butylbenzene	105	9.806	9.806	(0.982)	7392473	250.000	257.28(A)
79 4-Isopropyltoluene	119	9.948	9.948	(0.996)	5861152	250.000	269.11(A)
80 1,3-Dichlorobenzene	146	9.924	9.924	(0.994)	2819872	250.000	253.48(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94051.D
Report Date: 14-Jun-2005 18:26

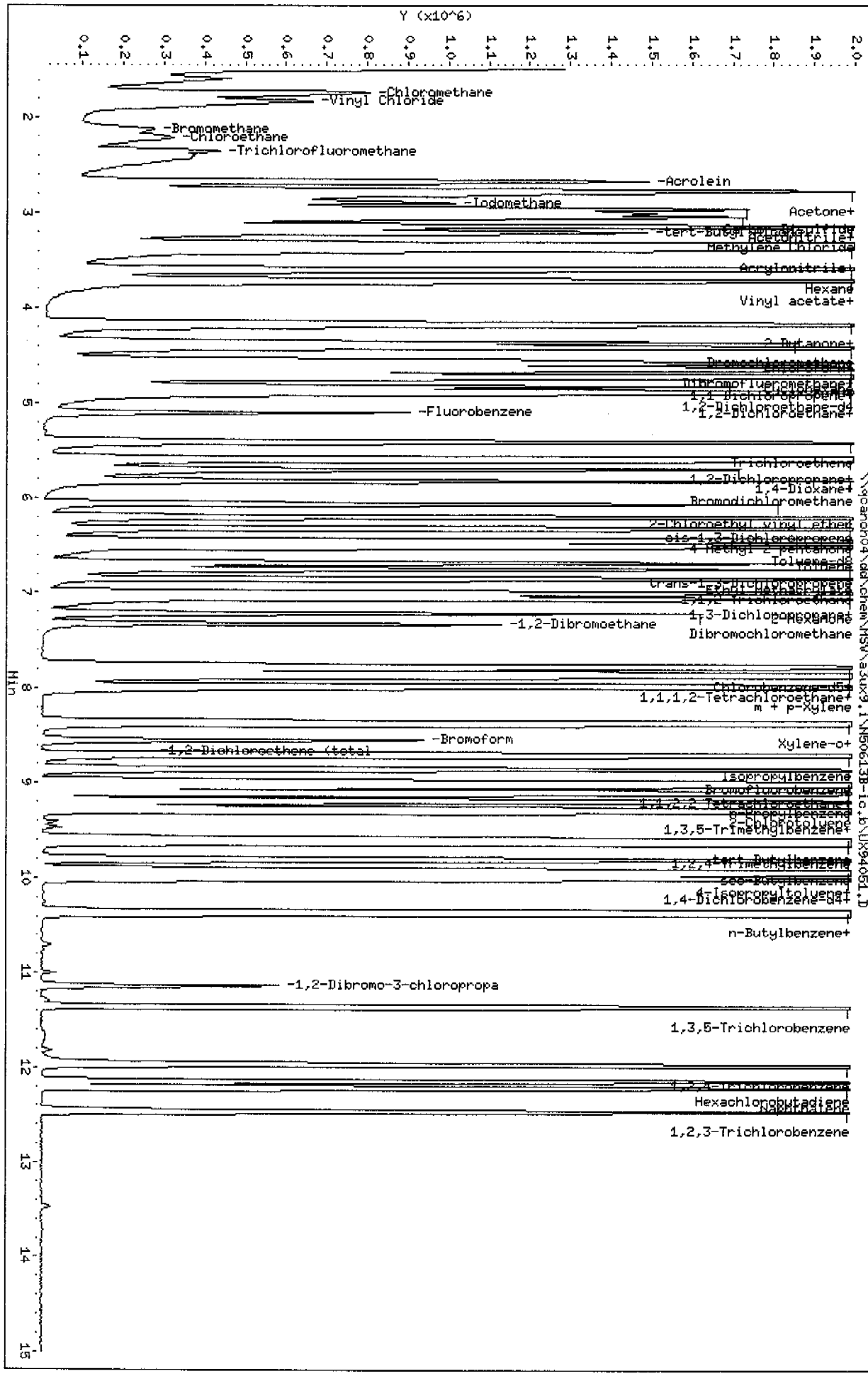
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
81 1,4-Dichlorobenzene	146	10.007	10.007	(1.002)	2856414	250.000	254.53(A)
82 n-Butylbenzene	91	10.350	10.350	(1.037)	5110776	250.000	273.47(A)
83 1,2-Dichlorobenzene	146	10.374	10.374	(1.039)	2609360	250.000	250.42(A)
84 1,2-Dibromo-3-chloropropane	157	11.131	11.131	(1.115)	178174	250.000	281.98(A)
85 1,2,4-Trichlorobenzene	180	11.972	11.972	(1.199)	1422285	250.000	281.20(A)
86 Hexachlorobutadiene	225	12.149	12.149	(1.217)	624315	250.000	256.93(A)
87 Naphthalene	128	12.220	12.220	(1.224)	2934738	250.000	251.28(A)
88 1,2,3-Trichlorobenzene	180	12.457	12.457	(1.248)	1224928	250.000	276.04(A)
98 Cyclohexane	56	4.635	4.635	(0.909)	3390345	250.000	273.44(A)
143 Methyl Acetate	43	3.050	3.050	(0.598)	2085580	500.000	494.57(A)
144 Methylcyclohexane	83	5.582	5.582	(1.095)	2534700	250.000	261.87(A)
141 1,3,5-Trichlorobenzene	180	11.356	11.356	(1.137)	1734202	250.000	266.15(A)
47 2-Chloroethyl vinyl ether	63	6.055	6.055	(1.188)	834907	500.000	500.66(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanon04\dd\chem\MSV\a3ux9.i\N506613B-ic.b\UX94051.D
Date : 13-JUN-2005 19:37
Client ID:
Sample Info: 250NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18



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Report Date: 14-Jun-2005 18:26

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94052.D
Lab Smp Id: 100NG-IC
Inj Date : 13-JUN-2005 19:59
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 100NG-IC
Misc Info : N50613B,8260MIUX9,2-8260.SUB,1819,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\8260MIUX9.m
Meth Date : 14-Jun-2005 18:26 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 21:33 Cal File: UX93512.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	924123	50.0000	
* 2 Chlorobenzene-d5	117	7.747	7.747	(1.000)	704142	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	300624	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	405277	100.000	108.37
$ 5 1,2-Dichloroethane-d4	65	4.825	4.825	(0.947)	560745	100.000	109.28
$ 6 Toluene-d8	98	6.446	6.446	(0.832)	2045183	100.000	101.91
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	766686	100.000	105.79
8 Dichlorodifluoromethane	85	1.594	1.594	(0.313)	509462	100.000	104.11
9 Chloromethane	50	1.736	1.736	(0.341)	888289	100.000	102.81
10 Vinyl Chloride	62	1.831	1.831	(0.359)	694824	100.000	107.22
11 Bromomethane	94	2.127	2.127	(0.417)	230985	100.000	103.59
12 Chloroethane	64	2.221	2.221	(0.436)	329904	100.000	106.50
13 Trichlorofluoromethane	101	2.352	2.352	(0.461)	550470	100.000	101.84
15 Acrolein	56	2.671	2.671	(0.524)	937497	1000.00	1105.8(A)
16 Acetone	43	2.789	2.789	(0.547)	643981	200.000	204.92
17 1,1-Dichloroethene	61	2.766	2.766	(0.543)	906504	100.000	111.15
18 Freon-113	151	2.837	2.837	(0.557)	338559	100.000	108.39
19 Iodomethane	142	2.896	2.896	(0.568)	661263	100.000	111.54
20 Carbon Disulfide	76	2.967	2.967	(0.582)	1704546	100.000	111.88
21 Methylene Chloride	84	3.144	3.144	(0.617)	545285	100.000	102.84
22 Acetonitrile	41	3.014	3.014	(0.591)	838279	1000.00	1029.8(A)
23 Acrylonitrile	53	3.322	3.322	(0.652)	2234825	1000.00	1106.5(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94052.D
Report Date: 14-Jun-2005 18:26

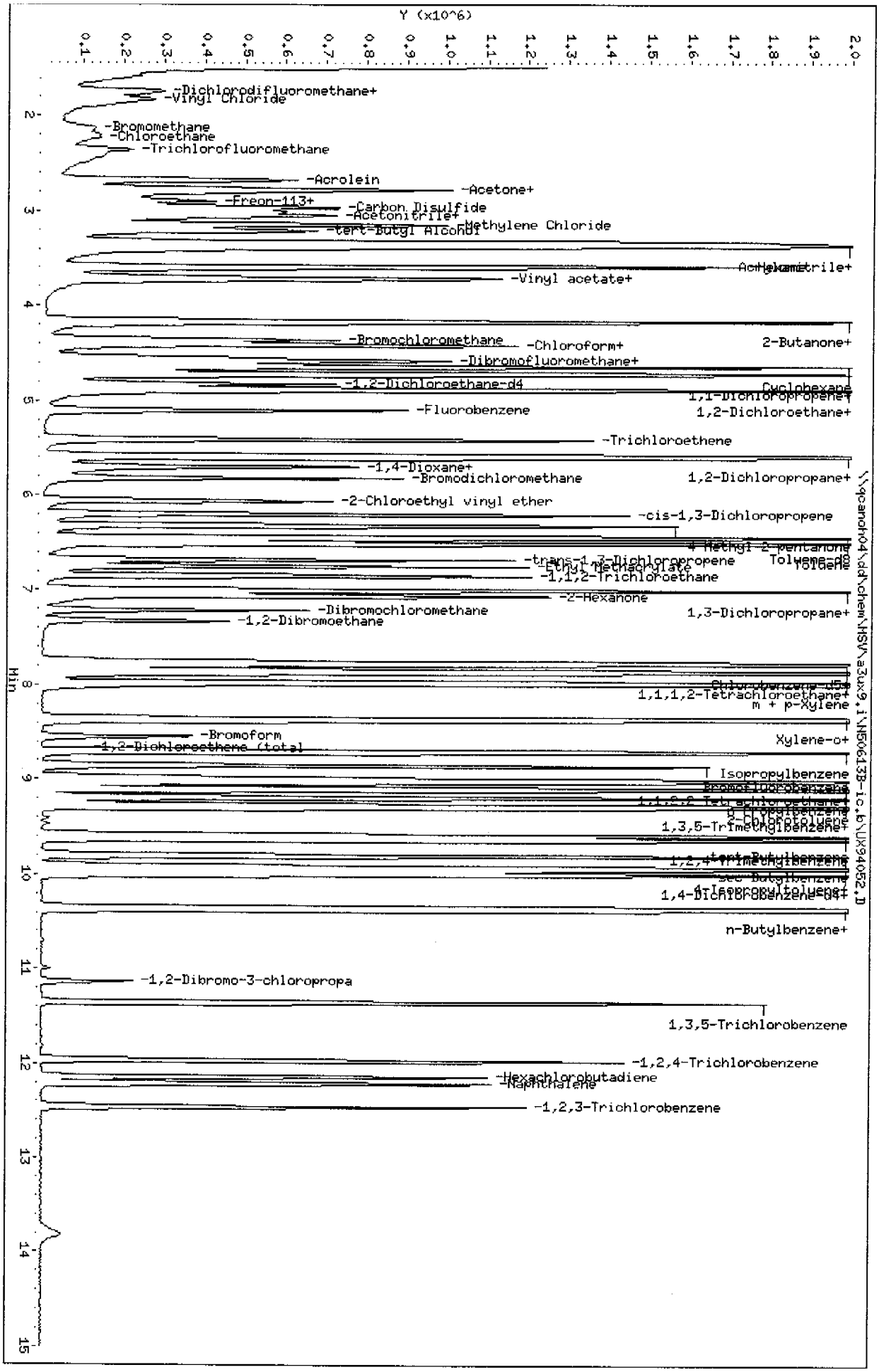
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.357	3.357	(0.659)	1322027	100.000	112.34
25 trans-1,2-Dichloroethene	61	3.369	3.369	(0.661)	880723	100.000	106.40
26 Hexane	57	3.582	3.582	(0.703)	1096688	100.000	110.18
27 Vinyl acetate	43	3.724	3.724	(0.731)	1335542	100.000	112.56
28 1,1-Dichloroethane	63	3.700	3.700	(0.726)	1055367	100.000	104.72
29 tert-Butyl Alcohol	59	3.204	3.204	(0.629)	875572	2000.00	2255.8(A)
30 2-Butanone	43	4.150	4.150	(0.814)	784300	200.000	228.92
32 cis-1,2-dichloroethene	61	4.162	4.162	(0.817)	945255	100.000	107.80
33 2,2-Dichloropropane	77	4.162	4.162	(0.817)	587356	100.000	110.37
34 Bromochloromethane	128	4.363	4.363	(0.856)	244558	100.000	110.13
35 Chloroform	83	4.410	4.410	(0.865)	823501	100.000	107.00
36 Tetrahydrofuran	42	4.399	4.399	(0.863)	182624	100.000	108.97
37 1,1,1-Trichloroethane	97	4.576	4.576	(0.898)	685402	100.000	111.83
38 1,1-Dichloropropene	75	4.706	4.706	(0.923)	715186	100.000	108.71
39 Carbon Tetrachloride	117	4.718	4.718	(0.926)	552836	100.000	112.68
40 1,2-Dichloroethane	62	4.884	4.884	(0.958)	758325	100.000	107.34
41 Benzene	78	4.884	4.884	(0.958)	2281967	100.000	106.18
42 Trichloroethene	130	5.404	5.404	(1.060)	551058	100.000	110.30
43 1,2-Dichloropropane	63	5.594	5.594	(1.097)	626092	100.000	104.91
44 1,4-Dioxane	88	5.700	5.700	(1.118)	237881	5000.00	5649.4(A)
45 Dibromomethane	93	5.700	5.700	(1.118)	248544	100.000	107.01
46 Bromodichloromethane	83	5.819	5.819	(1.142)	603332	100.000	113.28
48 cis-1,3-Dichloropropene	75	6.197	6.197	(1.216)	831227	100.000	100.74
49 4-Methyl-2-pentanone	43	6.316	6.316	(1.239)	1358099	200.000	239.76
50 Toluene	91	6.505	6.505	(0.840)	2478661	100.000	99.899
51 trans-1,3-Dichloropropene	75	6.682	6.682	(0.863)	694147	100.000	109.12
52 Ethyl Methacrylate	69	6.742	6.742	(0.870)	629536	100.000	102.17
53 1,1,2-Trichloroethane	97	6.848	6.848	(0.884)	425665	100.000	100.64
54 1,3-Dichloropropane	76	7.002	7.002	(0.904)	785253	100.000	102.07
55 Tetrachloroethene	164	7.002	7.002	(0.904)	430769	100.000	99.071
56 2-Hexanone	43	7.061	7.061	(0.911)	1166616	200.000	225.70
57 Dibromochloromethane	129	7.215	7.215	(0.931)	407523	100.000	99.390
58 1,2-Dibromoethane	107	7.321	7.321	(0.945)	406420	100.000	109.32
59 Chlorobenzene	112	7.771	7.771	(1.003)	1604780	100.000	102.82
60 1,1,1,2-Tetrachloroethane	131	7.842	7.842	(1.012)	493298	100.000	105.06
61 Ethylbenzene	91	7.866	7.866	(1.015)	2862813	100.000	105.05
62 m + p-Xylene	91	7.972	7.972	(1.029)	4495627	200.000	211.42
64 Xylene-o	91	8.351	8.351	(1.078)	2284587	100.000	106.61
65 Styrene	104	8.363	8.363	(1.079)	1758058	100.000	98.641
66 Bromoform	173	8.552	8.552	(1.104)	232129	100.000	99.542
67 Isopropylbenzene	105	8.706	8.706	(1.124)	2658888	100.000	106.69
68 1,1,2,2-Tetrachloroethane	83	8.978	8.978	(0.899)	525872	100.000	105.26
69 1,4-Dichloro-2-butene	53	9.037	9.037	(0.905)	179743	100.000	101.05
70 1,2,3-Trichloropropane	110	9.025	9.025	(0.904)	158498	100.000	103.47
71 Bromobenzene	156	9.002	9.002	(0.902)	585457	100.000	103.92
72 n-Propylbenzene	91	9.096	9.096	(0.911)	3346638	100.000	106.73
73 2-Chlorotoluene	126	9.191	9.191	(0.921)	663539	100.000	104.01
74 1,3,5-Trimethylbenzene	105	9.262	9.262	(0.928)	2225157	100.000	107.57
75 4-Chlorotoluene	126	9.297	9.297	(0.931)	637638	100.000	103.72
76 tert-Butylbenzene	119	9.581	9.581	(0.960)	1982600	100.000	100.15
77 1,2,4-Trimethylbenzene	105	9.629	9.629	(0.964)	2209282	100.000	108.48
78 sec-Butylbenzene	105	9.806	9.806	(0.982)	2903088	100.000	106.05
79 4-Isopropyltoluene	119	9.936	9.936	(0.995)	2234399	100.000	107.68
80 1,3-Dichlorobenzene	146	9.913	9.913	(0.993)	1094191	100.000	103.24

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94052.D
Report Date: 14-Jun-2005 18:26

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
81 1,4-Dichlorobenzene	146	10.007	10.007	(1.002)	1089597	100.000	101.91
82 n-Butylbenzene	91	10.351	10.351	(1.037)	1921776	100.000	107.94
83 1,2-Dichlorobenzene	146	10.374	10.374	(1.039)	1021511	100.000	102.90
84 1,2-Dibromo-3-chloropropane	157	11.143	11.143	(1.116)	65797	100.000	109.30
85 1,2,4-Trichlorobenzene	180	11.972	11.972	(1.199)	522238	100.000	108.38
86 Hexachlorobutadiene	225	12.137	12.137	(1.216)	242348	100.000	104.69
87 Naphthalene	128	12.208	12.208	(1.223)	1067165	100.000	98.631
88 1,2,3-Trichlorobenzene	180	12.457	12.457	(1.248)	465467	100.000	110.10
98 Cyclohexane	56	4.635	4.635	(0.909)	1377703	100.000	109.94
143 Methyl Acetate	43	3.050	3.050	(0.598)	906410	200.000	212.66
144 Methylcyclohexane	83	5.582	5.582	(1.095)	1065345	100.000	108.90
141 1,3,5-Trichlorobenzene	180	11.356	11.356	(1.137)	651388	100.000	104.93
47 2-Chloroethyl vinyl ether	63	6.055	6.055	(1.188)	333136	200.000	202.40

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 13-JUN-2005 19:59
Client ID:
Sample Info: 100NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Freon-113+
-Carbon Disulfide
-Acetonitrile+
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile+
-Vinyl acetate+
-Bromochloromethane
-Chloroform+
2-Butanone+
-Dibromofluoromethane+
-1,2-Dichloroethane-d4
Cyclohexane
1,1-Dichloropropene+
-Fluorobenzene
1,2-Dichloroethane+
-Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
4-Methyl-2-pentanone
-trans-1,3-Dichloropropene
Toluene-d8
Toluene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
1,2-Dichloroethene (total)
Xylene-o+
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene+
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
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Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94053.D
Report Date: 14-Jun-2005 18:27

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94053.D
Lab Smp Id: 50NG-IC
Inj Date : 13-JUN-2005 20:21
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 50NG-IC
Misc Info : N50613B,8260MIUX9,2-8260.SUB,1819,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\8260MIUX9.m
Meth Date : 14-Jun-2005 18:27 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 23:25 Cal File: UX93517.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	940476	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	666783	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	274152	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	204637	50.0000	53.770
$ 5 1,2-Dichloroethane-d4	65	4.825	4.825	(0.947)	270642	50.0000	51.829
$ 6 Toluene-d8	98	6.446	6.446	(0.832)	1001576	50.0000	52.706
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	363834	50.0000	53.018
8 Dichlorodifluoromethane	85	1.583	1.583	(0.311)	234341	50.0000	47.966
9 Chloromethane	50	1.737	1.737	(0.341)	446730	50.0000	50.806
10 Vinyl Chloride	62	1.831	1.831	(0.359)	347755	50.0000	52.730
11 Bromomethane	94	2.127	2.127	(0.417)	123210	50.0000	54.294
12 Chloroethane	64	2.234	2.234	(0.438)	170235	50.0000	52.760
13 Trichlorofluoromethane	101	2.352	2.352	(0.461)	268628	50.0000	49.371
15 Acrolein	56	2.671	2.671	(0.524)	440840	500.000	510.94(A)
16 Acetone	43	2.790	2.790	(0.547)	306857	100.000	95.946
17 1,1-Dichloroethene	61	2.766	2.766	(0.543)	439726	50.0000	52.978
18 Freon-113	151	2.837	2.837	(0.557)	160789	50.0000	50.582
19 Iodomethane	142	2.896	2.896	(0.568)	320943	50.0000	53.196
20 Carbon Disulfide	76	2.967	2.967	(0.582)	815126	50.0000	52.573
21 Methylene Chloride	84	3.145	3.145	(0.617)	281514	50.0000	50.298
22 Acetonitrile	41	3.015	3.015	(0.591)	397856	500.000	480.27(A)
23 Acrylonitrile	53	3.334	3.334	(0.654)	1046120	500.000	508.95(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94053.D
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Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.358	3.358	(0.659)	606382	50.0000	50.631
25 trans-1,2-Dichloroethene	61	3.370	3.370	(0.661)	442228	50.0000	52.495
26 Hexane	57	3.583	3.583	(0.703)	496444	50.0000	49.009
27 Vinyl acetate	43	3.725	3.725	(0.731)	623754	50.0000	51.657
28 1,1-Dichloroethane	63	3.701	3.701	(0.726)	505104	50.0000	49.250
29 tert-Butyl Alcohol	59	3.204	3.204	(0.629)	379549	1000.00	960.84(A)
30 2-Butanone	43	4.151	4.151	(0.814)	356843	100.000	102.34
32 cis-1,2-dichloroethene	61	4.162	4.162	(0.817)	457547	50.0000	51.275
33 2,2-Dichloropropane	77	4.162	4.162	(0.817)	273017	50.0000	50.410
34 Bromochloromethane	128	4.364	4.364	(0.856)	116675	50.0000	51.626
35 Chloroform	83	4.411	4.411	(0.865)	390369	50.0000	49.841
36 Tetrahydrofuran	42	4.399	4.399	(0.863)	89047	50.0000	50.370
37 1,1,1-Trichloroethane	97	4.577	4.577	(0.898)	327480	50.0000	52.502
38 1,1-Dichloropropene	75	4.707	4.707	(0.923)	346812	50.0000	51.798
39 Carbon Tetrachloride	117	4.719	4.719	(0.926)	259564	50.0000	51.986
40 1,2-Dichloroethane	62	4.884	4.884	(0.958)	364871	50.0000	50.747
41 Benzene	78	4.884	4.884	(0.958)	1096883	50.0000	50.150
42 Trichloroethene	130	5.405	5.405	(1.060)	270041	50.0000	53.111
43 1,2-Dichloropropane	63	5.594	5.594	(1.097)	308338	50.0000	50.769
44 1,4-Dioxane	88	5.701	5.701	(1.118)	103505	2500.00	2415.4(A)
45 Dibromomethane	93	5.701	5.701	(1.118)	120301	50.0000	50.894
46 Bromodichloromethane	83	5.819	5.819	(1.142)	285806	50.0000	52.729
48 cis-1,3-Dichloropropene	75	6.198	6.198	(1.216)	398979	50.0000	48.593
49 4-Methyl-2-pentanone	43	6.316	6.316	(1.239)	591327	100.000	102.58
50 Toluene	91	6.505	6.505	(0.840)	1224868	50.0000	52.132
51 trans-1,3-Dichloropropene	75	6.683	6.683	(0.863)	318266	50.0000	52.832
52 Ethyl Methacrylate	69	6.742	6.742	(0.870)	273107	50.0000	47.977
53 1,1,2-Trichloroethane	97	6.848	6.848	(0.884)	208176	50.0000	51.979
54 1,3-Dichloropropane	76	7.002	7.002	(0.904)	388984	50.0000	53.395
55 Tetrachloroethene	164	7.002	7.002	(0.904)	210455	50.0000	51.114
56 2-Hexanone	43	7.061	7.061	(0.911)	518221	100.000	104.35
57 Dibromochloromethane	129	7.215	7.215	(0.931)	186160	50.0000	49.036
58 1,2-Dibromoethane	107	7.322	7.322	(0.945)	188004	50.0000	53.402
59 Chlorobenzene	112	7.771	7.771	(1.003)	756654	50.0000	51.196
60 1,1,1,2-Tetrachloroethane	131	7.842	7.842	(1.012)	227814	50.0000	51.240
61 Ethylbenzene	91	7.866	7.866	(1.015)	1366534	50.0000	52.955
62 m + p-Xylene	91	7.973	7.973	(1.029)	2118244	100.000	105.20
64 Xylene-o	91	8.351	8.351	(1.078)	1097476	50.0000	54.081
65 Styrene	104	8.363	8.363	(1.079)	781577	50.0000	47.970
66 Bromoform	173	8.541	8.541	(1.102)	99787	50.0000	47.293
67 Isopropylbenzene	105	8.706	8.706	(1.124)	1256413	50.0000	53.241
68 1,1,2,2-Tetrachloroethane	83	8.978	8.978	(0.899)	247572	50.0000	54.338
69 1,4-Dichloro-2-butene	53	9.026	9.026	(0.904)	76276	50.0000	48.376
70 1,2,3-Trichloropropane	110	9.026	9.026	(0.904)	73754	50.0000	52.795
71 Bromobenzene	156	9.002	9.002	(0.902)	274891	50.0000	53.505
72 n-Propylbenzene	91	9.097	9.097	(0.911)	1540869	50.0000	53.886
73 2-Chlorotoluene	126	9.191	9.191	(0.921)	311803	50.0000	53.593
74 1,3,5-Trimethylbenzene	105	9.262	9.262	(0.928)	1029724	50.0000	54.586
75 4-Chlorotoluene	126	9.298	9.298	(0.931)	299124	50.0000	53.356
76 tert-Butylbenzene	119	9.582	9.582	(0.960)	974217	50.0000	53.962
77 1,2,4-Trimethylbenzene	105	9.629	9.629	(0.964)	999232	50.0000	53.805
78 sec-Butylbenzene	105	9.807	9.807	(0.982)	1319108	50.0000	52.842
79 4-Isopropyltoluene	119	9.949	9.949	(0.996)	1019031	50.0000	53.854
80 1,3-Dichlorobenzene	146	9.925	9.925	(0.994)	498792	50.0000	51.607

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94053.D
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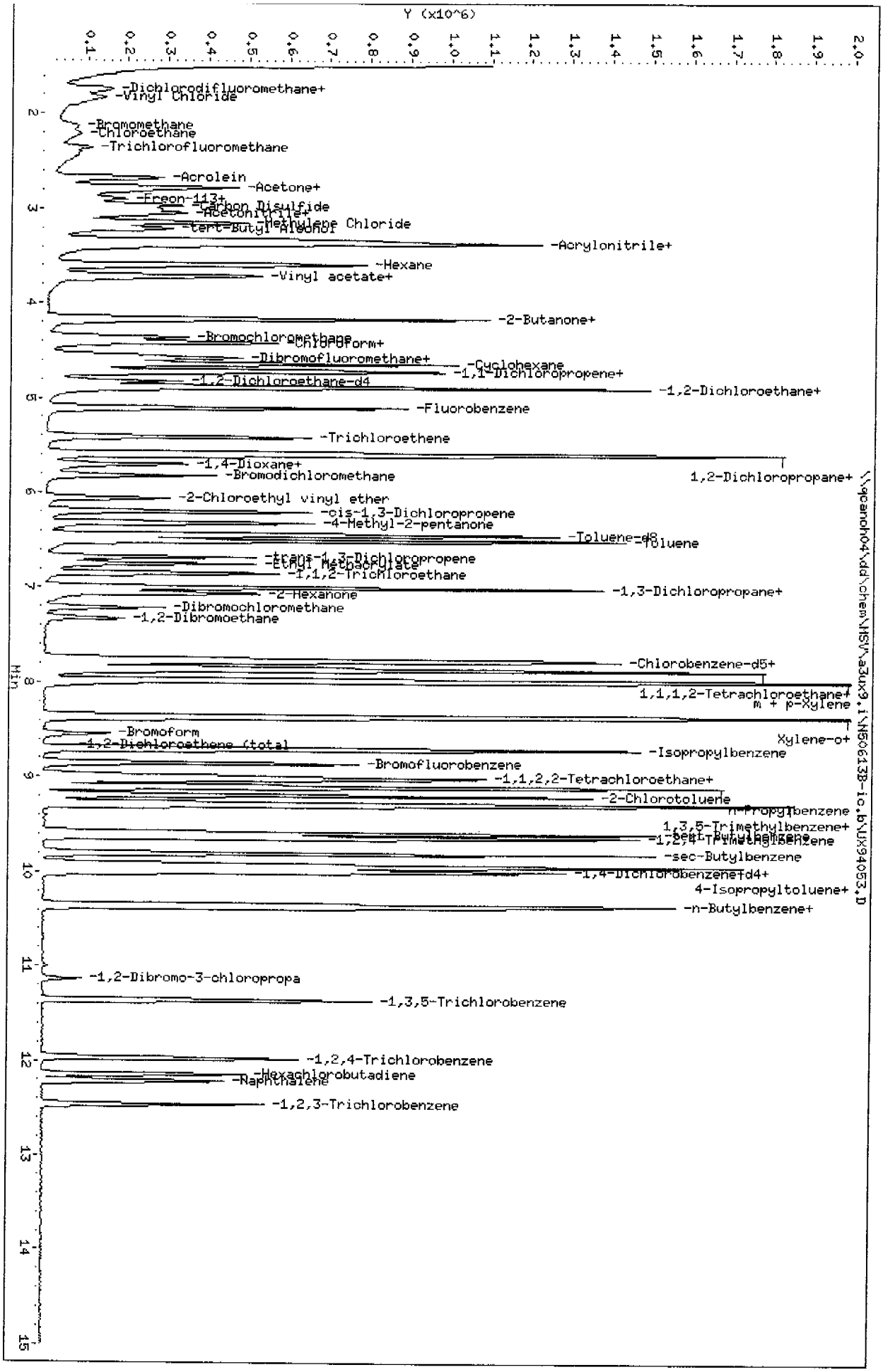
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
81 1,4-Dichlorobenzene	146	10.008	10.008	(1.002)	505547	50.0000	51.852
82 n-Butylbenzene	91	10.351	10.351	(1.037)	849661	50.0000	52.331
83 1,2-Dichlorobenzene	146	10.375	10.375	(1.039)	471748	50.0000	52.112
84 1,2-Dibromo-3-chloropropane	157	11.144	11.144	(1.116)	27357	50.0000	49.835
85 1,2,4-Trichlorobenzene	180	11.972	11.972	(1.199)	229551	50.0000	52.239
86 Hexachlorobutadiene	225	12.138	12.138	(1.216)	109112	50.0000	51.684
87 Naphthalene	128	12.209	12.209	(1.223)	428562	50.0000	45.896
88 1,2,3-Trichlorobenzene	180	12.457	12.457	(1.248)	204129	50.0000	52.948
98 Cyclohexane	56	4.636	4.636	(0.909)	647655	50.0000	50.782
143 Methyl Acetate	43	3.050	3.050	(0.598)	417493	100.000	96.249
144 Methylcyclohexane	83	5.582	5.582	(1.095)	496202	50.0000	49.839
141 1,3,5-Trichlorobenzene	180	11.357	11.357	(1.137)	296872	50.0000	52.441
47 2-Chloroethyl vinyl ether	63	6.056	6.056	(1.188)	146727	100.000	92.050

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\HSV\a3ux9.i\H506138-ic.b\UX94053.D
Date : 13-JUN-2005 20:21
Client ID:
Sample Info: 50NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Freon-113+
-Carbon Disulfide
-Acetonitrile+
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
-1,3-Dichloropropane+
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
-1,2-Dichloroethene (total
Xylene-o+
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-2-Chlorotoluene
n-Propylbenzene
1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-1,4-Dichlorobenzene-d4+
4-Isopropyltoluene+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
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Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94054.D
Report Date: 14-Jun-2005 18:26

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94054.D
Lab Smp Id: 25NG-IC
Inj Date : 13-JUN-2005 20:43
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 25NG-IC
Misc Info : N50613B,8260MIUX9,2-8260.SUB,1819,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\8260MIUX9.m
Meth Date : 14-Jun-2005 18:26 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 21:56 Cal File: UX93513.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.098	5.098	(1.000)	924893	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	640367	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.985	9.985	(1.000)	264130	50.0000	
$ 4 Dibromofluoromethane	113	4.542	4.542	(0.891)	95137	25.0000	25.419
$ 5 1,2-Dichloroethane-d4	65	4.826	4.826	(0.947)	130041	25.0000	25.323
$ 6 Toluene-d8	98	6.447	6.447	(0.832)	487656	25.0000	26.720
$ 7 Bromofluorobenzene	95	8.849	8.849	(1.142)	168141	25.0000	25.512
8 Dichlorodifluoromethane	85	1.595	1.595	(0.313)	105686	25.0000	22.898
9 Chloromethane	50	1.737	1.737	(0.341)	218899	25.0000	25.314
10 Vinyl Chloride	62	1.832	1.832	(0.359)	174527	25.0000	26.910
11 Bromomethane	94	2.128	2.128	(0.417)	60497	25.0000	27.108
12 Chloroethane	64	2.222	2.222	(0.436)	84066	25.0000	25.240
13 Trichlorofluoromethane	101	2.364	2.364	(0.464)	129257	25.0000	24.681
15 Acrolein	56	2.672	2.672	(0.524)	211871	250.000	249.70
16 Acetone	43	2.790	2.790	(0.547)	143872	50.0000	45.743
17 1,1-Dichloroethene	61	2.767	2.767	(0.543)	219086	25.0000	26.840
18 Freon-113	151	2.838	2.838	(0.557)	80497	25.0000	25.750
19 Iodomethane	142	2.897	2.897	(0.568)	153383	25.0000	25.852
20 Carbon Disulfide	76	2.968	2.968	(0.582)	399393	25.0000	26.193
21 Methylene Chloride	84	3.145	3.145	(0.617)	146767	25.0000	24.878
22 Acetonitrile	41	3.015	3.015	(0.592)	186088	250.000	228.42
23 Acrylonitrile	53	3.335	3.335	(0.654)	501910	250.000	248.30

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94054.D
Report Date: 14-Jun-2005 18:26

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.358	3.358	(0.659)	303081	25.0000	25.733
25 trans-1,2-Dichloroethene	61	3.370	3.370	(0.661)	211902	25.0000	25.578
26 Hexane	57	3.583	3.583	(0.703)	255218	25.0000	25.620
27 Vinyl acetate	43	3.725	3.725	(0.731)	286878	25.0000	24.159
28 1,1-Dichloroethane	63	3.701	3.701	(0.726)	256138	25.0000	25.395
29 tert-Butyl Alcohol	59	3.204	3.204	(0.629)	183223	500.000	471.65(A)
30 2-Butanone	43	4.163	4.163	(0.817)	168439	50.0000	49.123
32 cis-1,2-dichloroethene	61	4.163	4.163	(0.817)	222436	25.0000	25.347
33 2,2-Dichloropropane	77	4.163	4.163	(0.817)	136761	25.0000	25.677
34 Bromochloromethane	128	4.364	4.364	(0.856)	54372	25.0000	24.464
35 Chloroform	83	4.411	4.411	(0.865)	193898	25.0000	25.173
36 Tetrahydrofuran	42	4.400	4.400	(0.863)	43064	25.0000	22.974
37 1,1,1-Trichloroethane	97	4.577	4.577	(0.898)	156411	25.0000	25.498
38 1,1-Dichloropropene	75	4.707	4.707	(0.923)	170487	25.0000	25.892
39 Carbon Tetrachloride	117	4.719	4.719	(0.926)	127327	25.0000	25.931
40 1,2-Dichloroethane	62	4.885	4.885	(0.958)	184038	25.0000	26.028
41 Benzene	78	4.885	4.885	(0.958)	540305	25.0000	25.119
42 Trichloroethene	130	5.417	5.417	(1.063)	124400	25.0000	24.879
43 1,2-Dichloropropane	63	5.595	5.595	(1.097)	149327	25.0000	25.002
44 1,4-Dioxane	88	5.701	5.701	(1.118)	47791	1250.00	1134.0(A)
45 Dibromomethane	93	5.701	5.701	(1.118)	58244	25.0000	25.056
46 Bromodichloromethane	83	5.820	5.820	(1.142)	135380	25.0000	25.398
48 cis-1,3-Dichloropropene	75	6.198	6.198	(1.216)	180390	25.0000	23.443
49 4-Methyl-2-pentanone	43	6.317	6.317	(1.239)	271370	50.0000	47.868
50 Toluene	91	6.506	6.506	(0.840)	588913	25.0000	26.099
51 trans-1,3-Dichloropropene	75	6.683	6.683	(0.863)	146850	25.0000	25.383
52 Ethyl Methacrylate	69	6.742	6.742	(0.870)	124298	25.0000	23.871
53 1,1,2-Trichloroethane	97	6.849	6.849	(0.884)	98064	25.0000	25.495
54 1,3-Dichloropropane	76	7.003	7.003	(0.904)	183465	25.0000	26.223
55 Tetrachloroethene	164	7.003	7.003	(0.904)	106298	25.0000	26.882
56 2-Hexanone	43	7.062	7.062	(0.911)	207162	50.0000	41.757
57 Dibromochloromethane	129	7.216	7.216	(0.931)	84286	25.0000	24.230
58 1,2-Dibromoethane	107	7.322	7.322	(0.945)	90849	25.0000	26.870
59 Chlorobenzene	112	7.772	7.772	(1.003)	373482	25.0000	26.313
60 1,1,1,2-Tetrachloroethane	131	7.843	7.843	(1.012)	107632	25.0000	25.207
61 Ethylbenzene	91	7.867	7.867	(1.015)	660517	25.0000	26.652
62 m + p-Xylene	91	7.973	7.973	(1.029)	1009720	50.0000	52.215
64 Xylene-o	91	8.352	8.352	(1.078)	517518	25.0000	26.554
65 Styrene	104	8.364	8.364	(1.079)	350673	25.0000	24.079
66 Bromoform	173	8.541	8.541	(1.102)	42450	25.0000	23.095
67 Isopropylbenzene	105	8.707	8.707	(1.124)	598574	25.0000	26.411
68 1,1,2,2-Tetrachloroethane	83	8.979	8.979	(0.899)	114452	25.0000	26.074
69 1,4-Dichloro-2-butene	53	9.026	9.026	(0.904)	32864	25.0000	23.033
70 1,2,3-Trichloropropane	110	9.026	9.026	(0.904)	35654	25.0000	26.491
71 Bromobenzene	156	9.003	9.003	(0.902)	131847	25.0000	26.636
72 n-Propylbenzene	91	9.097	9.097	(0.911)	716464	25.0000	26.006
73 2-Chlorotoluene	126	9.192	9.192	(0.921)	148578	25.0000	26.506
74 1,3,5-Trimethylbenzene	105	9.263	9.263	(0.928)	468926	25.0000	25.801
75 4-Chlorotoluene	126	9.298	9.298	(0.931)	140794	25.0000	26.067
76 tert-Butylbenzene	119	9.582	9.582	(0.960)	490602	25.0000	28.206
77 1,2,4-Trimethylbenzene	105	9.630	9.630	(0.964)	451907	25.0000	25.257
78 sec-Butylbenzene	105	9.807	9.807	(0.982)	626955	25.0000	26.068
79 4-Isopropyltoluene	119	9.949	9.949	(0.996)	466868	25.0000	25.609
80 1,3-Dichlorobenzene	146	9.914	9.914	(0.993)	231233	25.0000	24.832

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94054.D
Report Date: 14-Jun-2005 18:26

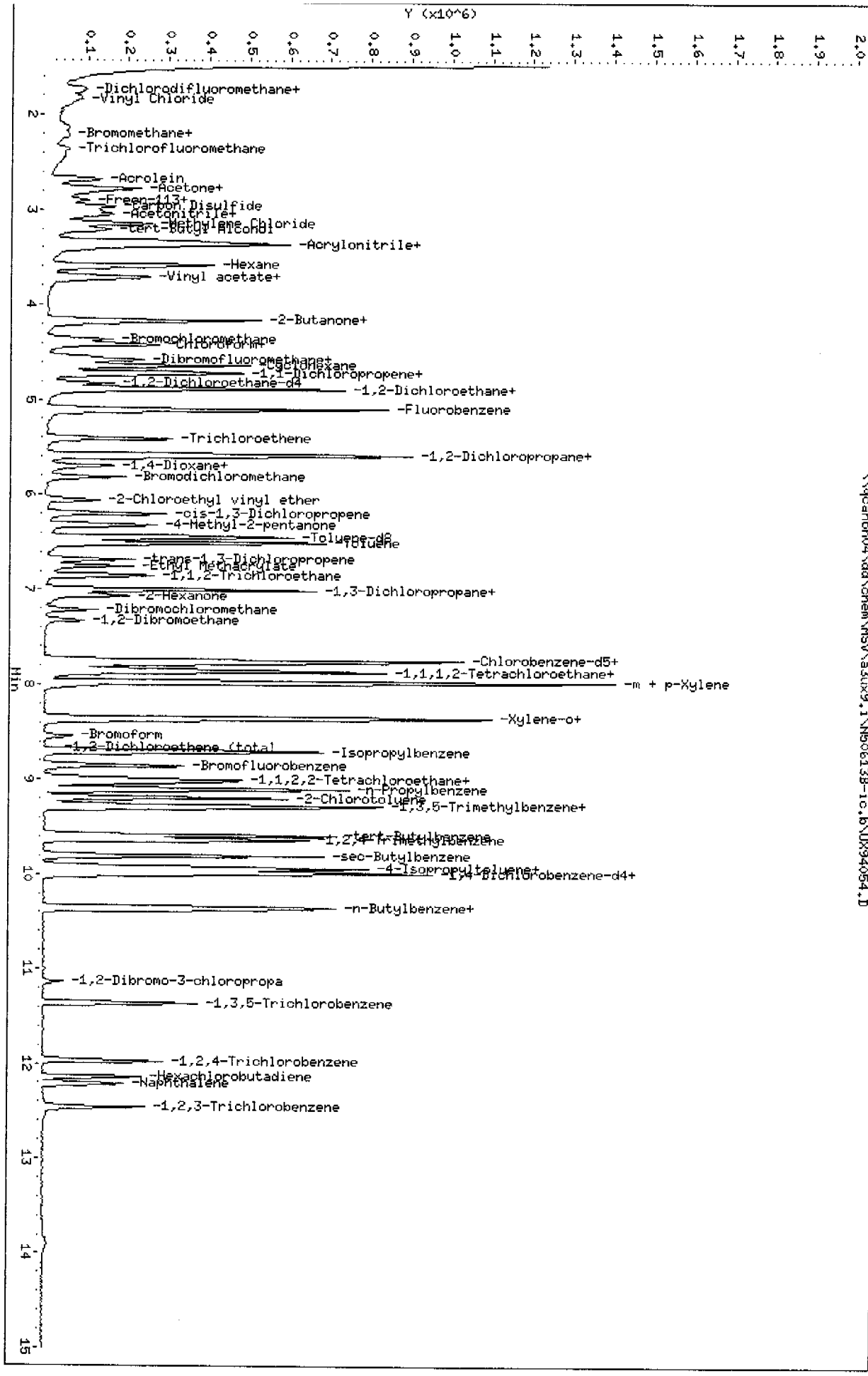
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
81 1,4-Dichlorobenzene	146	10.008	10.008	(1.002)	235857	25.0000	25.109
82 n-Butylbenzene	91	10.351	10.351	(1.037)	394773	25.0000	25.237
83 1,2-Dichlorobenzene	146	10.375	10.375	(1.039)	221788	25.0000	25.430
84 1,2-Dibromo-3-chloropropane	157	11.132	11.132	(1.115)	12272	25.0000	23.204
85 1,2,4-Trichlorobenzene	180	11.973	11.973	(1.199)	108794	25.0000	25.698
86 Hexachlorobutadiene	225	12.150	12.150	(1.217)	51162	25.0000	25.154
87 Naphthalene	128	12.209	12.209	(1.223)	190733	25.0000	23.569
88 1,2,3-Trichlorobenzene	180	12.458	12.458	(1.248)	91825	25.0000	24.722
98 Cyclohexane	56	4.636	4.636	(0.909)	328708	25.0000	26.208
143 Methyl Acetate	43	3.051	3.051	(0.598)	205035	50.0000	48.065
144 Methylcyclohexane	83	5.583	5.583	(1.095)	251688	25.0000	25.706
141 1,3,5-Trichlorobenzene	180	11.357	11.357	(1.137)	137844	25.0000	25.274
47 2-Chloroethyl vinyl ether	63	6.056	6.056	(1.188)	65254	50.0000	45.930

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanch04\dd\chem\MSV\a3ux9,i\N50613B-ic,b\UX94054.D
Date : 13-JUN-2005 20:43
Client ID:
Sample Info: 25NC-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9,i
Operator: 1819
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94055.D
Report Date: 14-Jun-2005 18:26

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94055.D
Lab Smp Id: 5NG-IC
Inj Date : 13-JUN-2005 21:06
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 5NG-IC
Misc Info : N50613B,8260MIUX9,2-8260.SUB,1819,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\8260MIUX9.m
Meth Date : 14-Jun-2005 18:26 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 22:41 Cal File: UX93515.D
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.098	5.098	(1.000)	879136	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	638275	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.985	9.985	(1.000)	229310	50.0000	
$ 4 Dibromofluoromethane	113	4.553	4.553	(0.893)	15713	5.00000	4.417
$ 5 1,2-Dichloroethane-d4	65	4.826	4.826	(0.947)	23759	5.00000	4.867
$ 6 Toluene-d8	98	6.447	6.447	(0.832)	80227	5.00000	4.410
$ 7 Bromofluorobenzene	95	8.849	8.849	(1.142)	29262	5.00000	4.454
8 Dichlorodifluoromethane	85	1.583	1.583	(0.311)	17253	5.00000	5.312
9 Chloromethane	50	1.749	1.749	(0.343)	38346	5.00000	4.665
10 Vinyl Chloride	62	1.832	1.832	(0.359)	27582	5.00000	4.474
11 Bromomethane	94	2.140	2.140	(0.420)	9294	5.00000	4.381
12 Chloroethane	64	2.222	2.222	(0.436)	13295	5.00000	2.102
13 Trichlorofluoromethane	101	2.364	2.364	(0.464)	20420	5.00000	4.960
15 Acrolein	56	2.684	2.684	(0.527)	37062	50.0000	45.953
16 Acetone	43	2.790	2.790	(0.547)	32678	10.0000	10.930
17 1,1-Dichloroethene	61	2.767	2.767	(0.543)	34118	5.00000	4.397
18 Freon-113	151	2.826	2.826	(0.554)	11259	5.00000	3.789
19 Iodomethane	142	2.897	2.897	(0.568)	25505	5.00000	4.522
20 Carbon Disulfide	76	2.968	2.968	(0.582)	68634	5.00000	4.736
21 Methylene Chloride	84	3.157	3.157	(0.619)	37846	5.00000	3.979
22 Acetonitrile	41	3.015	3.015	(0.592)	40654	50.0000	52.500
23 Acrylonitrile	53	3.335	3.335	(0.654)	91844	50.0000	47.801

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94055.D
Report Date: 14-Jun-2005 18:26

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.358	3.358	(0.659)	50338	5.00000	4.496
25 trans-1,2-Dichloroethene	61	3.370	3.370	(0.661)	35182	5.00000	4.468
26 Hexane	57	3.583	3.583	(0.703)	42995	5.00000	4.540
27 Vinyl acetate	43	3.725	3.725	(0.731)	46816	5.00000	4.148
28 1,1-Dichloroethane	63	3.702	3.702	(0.726)	44893	5.00000	4.683
29 tert-Butyl Alcohol	59	3.205	3.205	(0.629)	39468	100.000	106.88
30 2-Butanone	43	4.163	4.163	(0.817)	31391	10.0000	9.631
32 cis-1,2-dichloroethene	61	4.163	4.163	(0.817)	37370	5.00000	4.480
33 2,2-Dichloropropane	77	4.175	4.175	(0.819)	23641	5.00000	4.670
34 Bromochloromethane	128	4.364	4.364	(0.856)	10389	5.00000	4.918
35 Chloroform	83	4.411	4.411	(0.865)	35720	5.00000	4.879
36 Tetrahydrofuran	42	4.400	4.400	(0.863)	10826	5.00000	3.478
37 1,1,1-Trichloroethane	97	4.577	4.577	(0.898)	24471	5.00000	4.197
38 1,1-Dichloropropene	75	4.707	4.707	(0.923)	28004	5.00000	4.474
39 Carbon Tetrachloride	117	4.719	4.719	(0.926)	19752	5.00000	4.232
40 1,2-Dichloroethane	62	4.885	4.885	(0.958)	29687	5.00000	4.417
41 Benzene	78	4.885	4.885	(0.958)	97602	5.00000	4.774
42 Trichloroethene	130	5.405	5.405	(1.060)	21396	5.00000	4.502
43 1,2-Dichloropropane	63	5.595	5.595	(1.097)	25736	5.00000	4.533
44 1,4-Dioxane	88	5.701	5.701	(1.118)	12229	250.000	305.29(A)
45 Dibromomethane	93	5.689	5.689	(1.116)	10481	5.00000	4.743
46 Bromodichloromethane	83	5.820	5.820	(1.142)	22226	5.00000	4.387
48 cis-1,3-Dichloropropene	75	6.198	6.198	(1.216)	32217	5.00000	6.062
49 4-Methyl-2-pentanone	43	6.317	6.317	(1.239)	51283	10.0000	9.517
50 Toluene	91	6.506	6.506	(0.840)	108408	5.00000	4.820
51 trans-1,3-Dichloropropene	75	6.683	6.683	(0.863)	25472	5.00000	4.417
52 Ethyl Methacrylate	69	6.754	6.754	(0.872)	18129	5.00000	5.334
53 1,1,2-Trichloroethane	97	6.849	6.849	(0.884)	19209	5.00000	5.010
54 1,3-Dichloropropane	76	7.003	7.003	(0.904)	31887	5.00000	4.572
55 Tetrachloroethene	164	7.003	7.003	(0.904)	18999	5.00000	4.820
56 2-Hexanone	43	7.062	7.062	(0.911)	34376	10.0000	4.555
57 Dibromochloromethane	129	7.216	7.216	(0.931)	13169	5.00000	5.573
58 1,2-Dibromoethane	107	7.322	7.322	(0.945)	14457	5.00000	4.290
59 Chlorobenzene	112	7.772	7.772	(1.003)	64572	5.00000	4.564
60 1,1,1,2-Tetrachloroethane	131	7.843	7.843	(1.012)	19107	5.00000	4.489
61 Ethylbenzene	91	7.867	7.867	(1.015)	105523	5.00000	4.272
62 m + p-Xylene	91	7.973	7.973	(1.029)	165302	10.0000	8.576
64 Xylene-o	91	8.352	8.352	(1.078)	85439	5.00000	4.398
65 Styrene	104	8.364	8.364	(1.079)	51512	5.00000	6.218
66 Bromoform	173	8.553	8.553	(1.104)	5508	5.00000	6.359
67 Isopropylbenzene	105	8.707	8.707	(1.124)	98666	5.00000	4.368
68 1,1,2,2-Tetrachloroethane	83	8.979	8.979	(0.899)	19115	5.00000	5.016
69 1,4-Dichloro-2-butene	53	9.026	9.026	(0.904)	5229	5.00000	6.288
70 1,2,3-Trichloropropane	110	9.026	9.026	(0.904)	5608	5.00000	4.799
71 Bromobenzene	156	9.003	9.003	(0.902)	20651	5.00000	4.806
72 n-Propylbenzene	91	9.097	9.097	(0.911)	108035	5.00000	4.517
73 2-Chlorotoluene	126	9.192	9.192	(0.921)	23523	5.00000	4.834
74 1,3,5-Trimethylbenzene	105	9.275	9.275	(0.929)	72576	5.00000	4.600
75 4-Chlorotoluene	126	9.298	9.298	(0.931)	22937	5.00000	4.891
76 tert-Butylbenzene	119	9.594	9.594	(0.961)	72271	5.00000	4.786
77 1,2,4-Trimethylbenzene	105	9.642	9.642	(0.966)	72109	5.00000	4.642
78 sec-Butylbenzene	105	9.807	9.807	(0.982)	95169	5.00000	4.558
79 4-Isopropyltoluene	119	9.949	9.949	(0.996)	72327	5.00000	4.570
80 1,3-Dichlorobenzene	146	9.926	9.926	(0.994)	39595	5.00000	4.898

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94055.D
Report Date: 14-Jun-2005 18:26

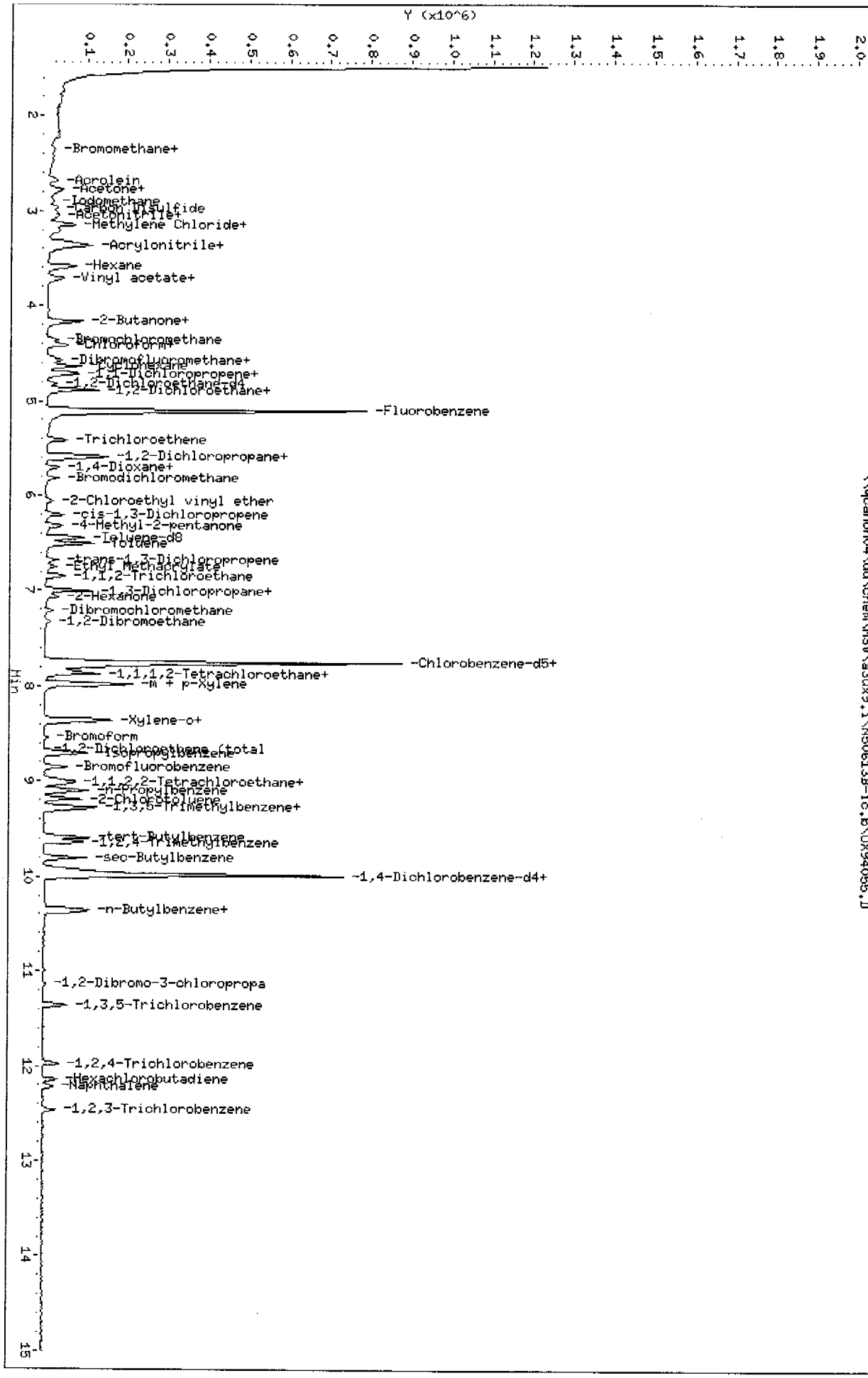
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
81 1,4-Dichlorobenzene	146	10.008	10.008	(1.002)	38511	5.00000	4.722
82 n-Butylbenzene	91	10.352	10.352	(1.037)	61399	5.00000	4.521
83 1,2-Dichlorobenzene	146	10.375	10.375	(1.039)	35522	5.00000	4.691
84 1,2-Dibromo-3-chloropropane	157	11.144	11.144	(1.116)	1961	5.00000	4.271
85 1,2,4-Trichlorobenzene	180	11.973	11.973	(1.199)	17057	5.00000	4.641
86 Hexachlorobutadiene	225	12.150	12.150	(1.217)	8231	5.00000	4.661
87 Naphthalene	128	12.209	12.209	(1.223)	27956	5.00000	7.636
88 1,2,3-Trichlorobenzene	180	12.458	12.458	(1.248)	16606	5.00000	5.150
98 Cyclohexane	56	4.636	4.636	(0.909)	55239	5.00000	4.633
143 Methyl Acetate	43	3.051	3.051	(0.598)	41850	10.0000	10.321
144 Methylcyclohexane	83	5.583	5.583	(1.095)	42477	5.00000	4.564
141 1,3,5-Trichlorobenzene	180	11.357	11.357	(1.137)	22486	5.00000	4.749
47 2-Chloroethyl vinyl ether	63	6.056	6.056	(1.188)	9601	10.0000	13.748

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N506138-ic.b\UX94055.D
Date : 13-JUN-2005 21:06
Client ID:
Sample Info: 5NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94056.D
Report Date: 14-Jun-2005 18:26

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94056.D
Lab Smp Id: 2.5NG-IC
Inj Date : 13-JUN-2005 21:28
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 2.5NG-IC
Misc Info : N50613B,8260MIUX9,2-8260.SUB,1819,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\8260MIUX9.m
Meth Date : 14-Jun-2005 18:26 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 23:03 Cal File: UX93516.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.099	5.099	(1.000)	906753	50.0000	
* 2 Chlorobenzene-d5	117	7.750	7.750	(1.000)	615829	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.986	9.986	(1.000)	225368	50.0000	
$ 4 Dibromofluoromethane	113	4.543	4.543	(0.891)	8065	2.50000	2.198
$ 5 1,2-Dichloroethane-d4	65	4.827	4.827	(0.947)	10587	2.50000	2.103
$ 6 Toluene-d8	98	6.448	6.448	(0.832)	41746	2.50000	2.378
$ 7 Bromofluorobenzene	95	8.850	8.850	(1.142)	14045	2.50000	2.216
8 Dichlorodifluoromethane	85	1.597	1.597	(0.313)	8312	2.50000	3.368
9 Chloromethane	50	1.727	1.727	(0.339)	20626	2.50000	2.433
10 Vinyl Chloride	62	1.822	1.822	(0.357)	13293	2.50000	2.090
11 Bromomethane	94	2.117	2.117	(0.415)	4179	2.50000	1.910(M)
13 Trichlorofluoromethane	101	2.342	2.342	(0.459)	6479	2.50000	2.238
15 Acrolein	56	2.674	2.674	(0.524)	19261	25.0000	23.154
16 Acetone	43	2.792	2.792	(0.548)	18452	5.00000	5.984
17 1,1-Dichloroethene	61	2.768	2.768	(0.543)	15926	2.50000	1.990
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	2.898	2.898	(0.568)	11192	2.50000	1.924
20 Carbon Disulfide	76	2.969	2.969	(0.582)	27073	2.50000	1.811
21 Methylene Chloride	84	3.147	3.147	(0.617)	27622	2.50000	1.704
22 Acetonitrile	41	3.017	3.017	(0.592)	22045	25.0000	27.601
23 Acrylonitrile	53	3.336	3.336	(0.654)	44047	25.0000	22.226
24 Methyl tert-butyl ether	73	3.360	3.360	(0.659)	25383	2.50000	2.198

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94056.D
Report Date: 14-Jun-2005 18:26

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
25 trans-1,2-Dichloroethene	61	3.372	3.372	(0.661)	18677	2.50000	2.300
26 Hexane	57	3.597	3.597	(0.705)	22758	2.50000	2.330
27 Vinyl acetate	43	3.727	3.727	(0.731)	27592	2.50000	2.370
28 1,1-Dichloroethane	63	3.703	3.703	(0.726)	24287	2.50000	2.456
29 tert-Butyl Alcohol	59	3.218	3.218	(0.631)	18266	50.0000	47.961
30 2-Butanone	43	4.153	4.153	(0.814)	15934	5.00000	4.740
32 cis-1,2-dichloroethene	61	4.164	4.164	(0.817)	19893	2.50000	2.312
33 2,2-Dichloropropane	77	4.164	4.164	(0.817)	11119	2.50000	2.129
34 Bromochloromethane	128	4.366	4.366	(0.856)	4561	2.50000	2.093
35 Chloroform	83	4.413	4.413	(0.865)	17494	2.50000	2.317
36 Tetrahydrofuran	42	4.413	4.413	(0.865)	6485	2.50000	0.5386
37 1,1,1-Trichloroethane	97	4.579	4.579	(0.898)	13548	2.50000	2.253
38 1,1-Dichloropropene	75	4.721	4.721	(0.926)	14536	2.50000	2.252
39 Carbon Tetrachloride	117	4.721	4.721	(0.926)	10075	2.50000	2.093
40 1,2-Dichloroethane	62	4.886	4.886	(0.958)	16353	2.50000	2.359
41 Benzene	78	4.886	4.886	(0.958)	49338	2.50000	2.340
42 Trichloroethene	130	5.407	5.407	(1.060)	10600	2.50000	2.162
43 1,2-Dichloropropane	63	5.584	5.584	(1.095)	14508	2.50000	2.478
44 1,4-Dioxane	88	5.703	5.703	(1.118)	4813	125.000	116.49
45 Dibromomethane	93	5.691	5.691	(1.116)	5148	2.50000	2.259
46 Bromodichloromethane	83	5.821	5.821	(1.142)	10478	2.50000	2.005
48 cis-1,3-Dichloropropene	75	6.200	6.200	(1.216)	12728	2.50000	3.581
49 4-Methyl-2-pentanone	43	6.318	6.318	(1.239)	23384	5.00000	4.207
50 Toluene	91	6.507	6.507	(0.840)	50539	2.50000	2.329
51 trans-1,3-Dichloropropene	75	6.685	6.685	(0.863)	11479	2.50000	2.063
52 Ethyl Methacrylate	69	6.756	6.756	(0.872)	7719	2.50000	3.559
53 1,1,2-Trichloroethane	97	6.839	6.839	(0.882)	8758	2.50000	2.368
54 1,3-Dichloropropane	76	7.004	7.004	(0.904)	15763	2.50000	2.343
55 Tetrachloroethene	164	7.004	7.004	(0.904)	9110	2.50000	2.396
56 2-Hexanone	43	7.052	7.052	(0.910)	15913	5.00000	0.6898
57 Dibromochloromethane	129	7.217	7.217	(0.931)	6203	2.50000	3.798
58 1,2-Dibromoethane	107	7.324	7.324	(0.945)	6576	2.50000	2.022
59 Chlorobenzene	112	7.773	7.773	(1.003)	32006	2.50000	2.345
60 1,1,1,2-Tetrachloroethane	131	7.844	7.844	(1.012)	9981	2.50000	2.431
61 Ethylbenzene	91	7.868	7.868	(1.015)	53507	2.50000	2.245
62 m + p-Xylene	91	7.975	7.975	(1.029)	84330	5.00000	4.535
64 Xylene-o	91	8.353	8.353	(1.078)	39141	2.50000	2.088
65 Styrene	104	8.365	8.365	(1.079)	24486	2.50000	4.652
66 Bromoform	173	8.554	8.554	(1.104)	3368	2.50000	5.442
67 Isopropylbenzene	105	8.708	8.708	(1.124)	45515	2.50000	2.088
68 1,1,2,2-Tetrachloroethane	83	8.980	8.980	(0.899)	8121	2.50000	2.168
69 1,4-Dichloro-2-butene	53	9.040	9.040	(0.905)	1643	2.50000	3.732
70 1,2,3-Trichloropropane	110	9.028	9.028	(0.904)	2769	2.50000	2.411
71 Bromobenzene	156	9.004	9.004	(0.902)	9350	2.50000	2.214
72 n-Propylbenzene	91	9.099	9.099	(0.911)	51705	2.50000	2.200
73 2-Chlorotoluene	126	9.193	9.193	(0.921)	10453	2.50000	2.186
74 1,3,5-Trimethylbenzene	105	9.264	9.264	(0.928)	32186	2.50000	2.076
75 4-Chlorotoluene	126	9.300	9.300	(0.931)	10099	2.50000	2.191
76 tert-Butylbenzene	119	9.596	9.596	(0.961)	32190	2.50000	2.169
77 1,2,4-Trimethylbenzene	105	9.631	9.631	(0.964)	32004	2.50000	2.096
78 sec-Butylbenzene	105	9.809	9.809	(0.982)	46131	2.50000	2.248
79 4-Isopropyltoluene	119	9.951	9.951	(0.996)	32327	2.50000	2.078
80 1,3-Dichlorobenzene	146	9.915	9.915	(0.993)	18844	2.50000	2.372
81 1,4-Dichlorobenzene	146	10.010	10.010	(1.002)	19574	2.50000	2.442

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94056.D
Report Date: 14-Jun-2005 18:26

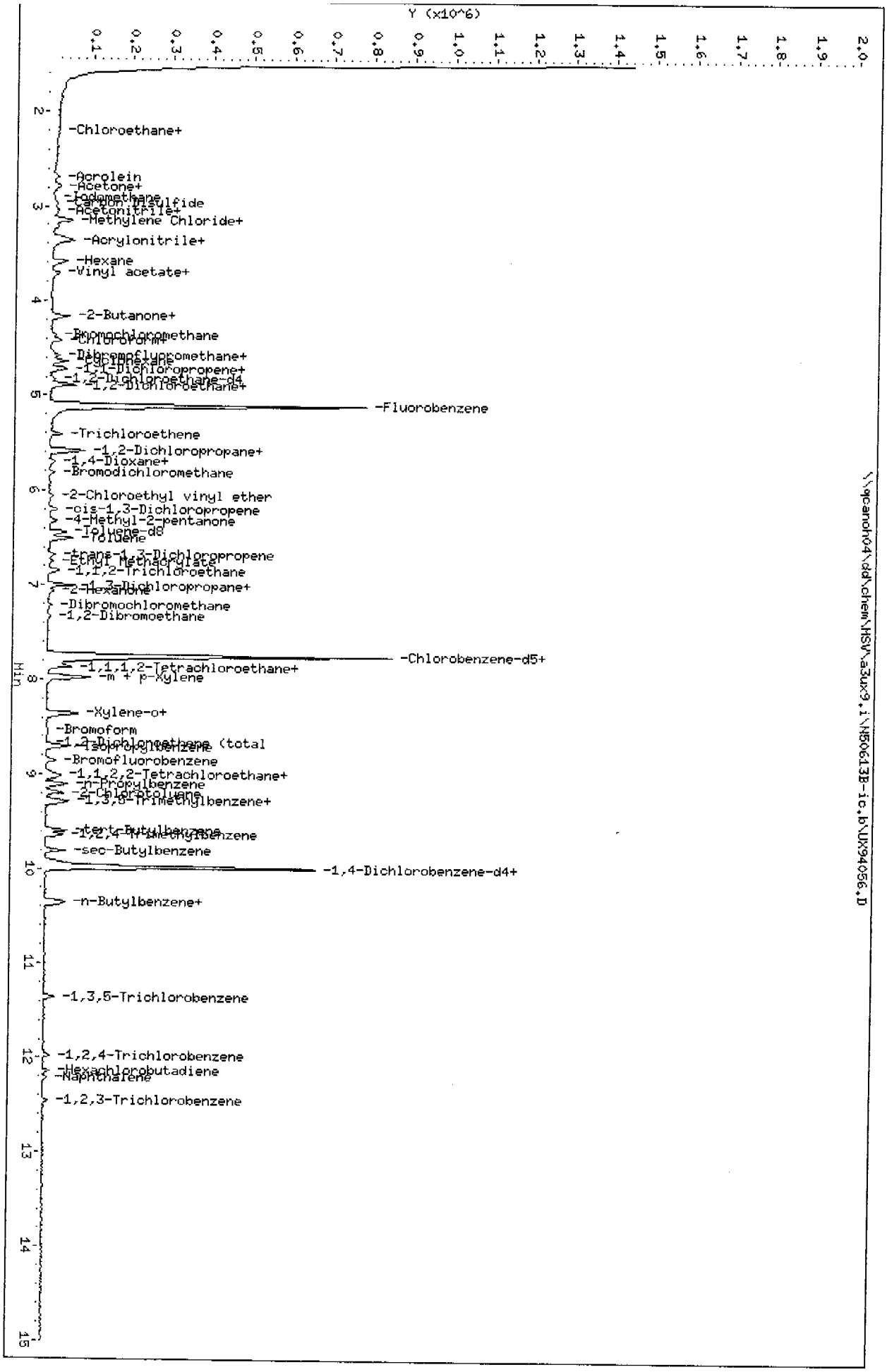
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
82 n-Butylbenzene	91	10.353	10.353	(1.037)	28909	2.50000	2.166
83 1,2-Dichlorobenzene	146	10.377	10.377	(1.039)	18075	2.50000	2.429
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.974	11.974	(1.199)	7139	2.50000	1.976
86 Hexachlorobutadiene	225	12.140	12.140	(1.216)	4136	2.50000	2.383
87 Naphthalene	128	12.211	12.211	(1.223)	9279	2.50000	5.493
88 1,2,3-Trichlorobenzene	180	12.471	12.471	(1.249)	5681	2.50000	1.792
98 Cyclohexane	56	4.638	4.638	(0.910)	25093	2.50000	2.041
143 Methyl Acetate	43	3.052	3.052	(0.599)	20735	5.00000	4.958
144 Methylcyclohexane	83	5.584	5.584	(1.095)	22215	2.50000	2.314
141 1,3,5-Trichlorobenzene	180	11.359	11.359	(1.137)	10198	2.50000	2.191
47 2-Chloroethyl vinyl ether	63	6.058	6.058	(1.188)	3968	5.00000	10.216

QC Flag Legend

M - Compound response manually integrated.

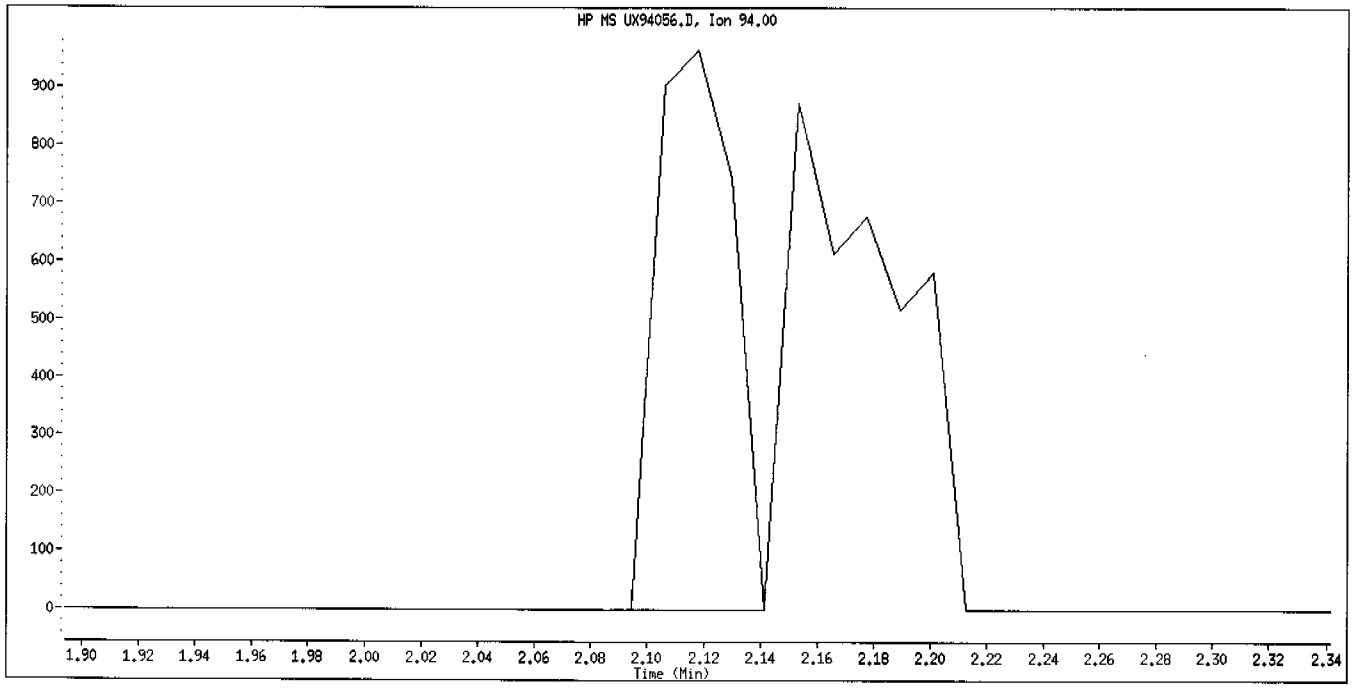
Data File: \\qcanoh04\dd\chem\HSV\a3ux9,i\H50613B-ic,b\UX94056,D
Date : 13-JUN-2005 21:28
Client ID:
Sample Info: 2,5NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9,i
Operator: 1819
Column diameter: 0.18

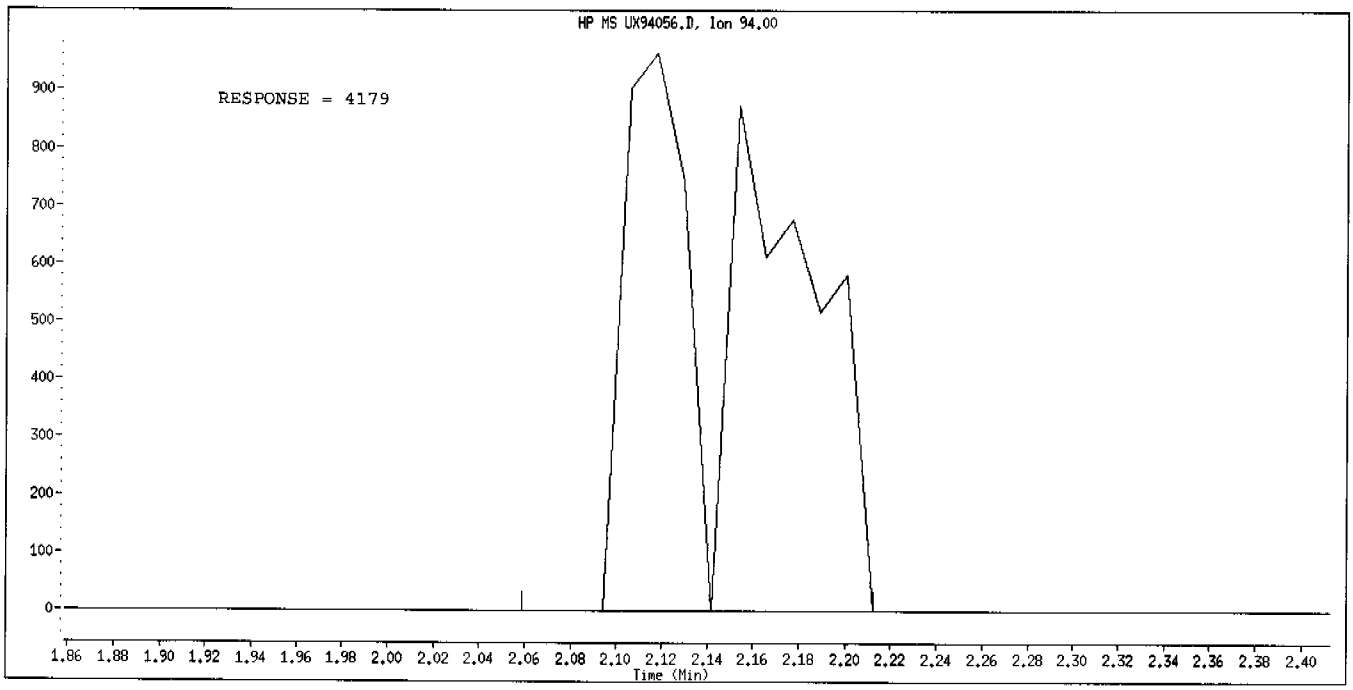


\\qcanoh04\dd\chem\HSV\a3ux9,i\H50613B-ic,b\UX94056,D

Inj. Date and Time: 13-JUN-2005 21:28
Instrument ID: a3ux9.i
Client ID:
Compound Name: Bromomethane
CAS #: 74-83-9
Report Date: 06/14/2005



Original Integration



Manual Integration

Manually Integrated By: mcdaniels
Manual Integration Reason: Unknown

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94057.D
Report Date: 14-Jun-2005 19:13

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94057.D
Lab Smp Id: HDK9F1AC
Inj Date : 13-JUN-2005 21:50
Operator : 1819 Inst ID: a3ux9.i
Smp Info : ICV/CHECK
Misc Info : N50613B,8260MIUX9,2-8260.SUB,1819,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\8260MIUX9.m
Meth Date : 14-Jun-2005 18:35 mcdaniels Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 8 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	906032	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	649959	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	263277	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	195017	53.1904	10.638
$ 5 1,2-Dichloroethane-d4	65	4.825	4.825	(0.947)	259678	51.6196	10.324
$ 6 Toluene-d8	98	6.446	6.446	(0.832)	965830	52.1405	10.428
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	326904	48.8693	9.774
8 Dichlorodifluoromethane	85	1.595	1.583	(0.313)	154006	33.2504	6.650
9 Chloromethane	50	1.737	1.737	(0.341)	366284	43.2403	8.648
10 Vinyl Chloride	62	1.843	1.831	(0.362)	303312	47.7400	9.548
11 Bromomethane	94	2.127	2.127	(0.417)	110323	50.4633	10.093
12 Chloroethane	64	2.233	2.234	(0.438)	160277	51.5055	10.301
13 Trichlorofluoromethane	101	2.352	2.352	(0.461)	237194	45.3366	9.067
15 Acrolein	56	2.671	2.671	(0.524)	433917	522.040	104.41(A)
16 Acetone	43	2.790	2.790	(0.547)	90265	29.2963	5.859
17 1,1-Dichloroethene	61	2.766	2.766	(0.543)	412225	51.5527	10.310
18 Freon-113	151	2.849	2.837	(0.559)	159250	52.0030	10.400
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.967	2.967	(0.582)	742745	49.7256	9.945
21 Methylene Chloride	84	3.145	3.145	(0.617)	268096	49.6776	9.936
22 Acetonitrile	41	3.014	3.015	(0.591)	364459	456.683	91.336(A)
23 Acrylonitrile	53	3.334	3.334	(0.654)	951189	480.361	96.072(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94057.D
Report Date: 14-Jun-2005 19:13

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.358	3.358	(0.659)	584199	50.6336	10.127
	25 trans-1,2-Dichloroethene	61	3.369	3.370	(0.661)	407940	50.2655	10.053
	26 Hexane	57	3.582	3.583	(0.703)	475844	48.7610	9.752
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.701	3.701	(0.726)	506713	51.2852	10.257
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.162	4.151	(0.817)	119534	35.5866	7.117
M	31 1,2-Dichloroethene (total)	61				808111	96.8154	19.363
	32 cis-1,2-dichloroethene	61	4.162	4.162	(0.817)	400171	46.5499	9.310
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.411	4.411	(0.865)	379125	50.2459	10.049
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.576	4.577	(0.898)	309558	51.5155	10.303
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.718	4.719	(0.926)	243786	50.6824	10.136
	40 1,2-Dichloroethane	62	4.884	4.884	(0.958)	349588	50.4699	10.094
	41 Benzene	78	4.884	4.884	(0.958)	1054324	50.0371	10.007
	42 Trichloroethene	130	5.405	5.405	(1.060)	253076	51.6666	10.333
	43 1,2-Dichloropropane	63	5.594	5.594	(1.097)	296375	50.6545	10.131
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.819	5.819	(1.142)	258761	49.5545	9.911
	48 cis-1,3-Dichloropropene	75	6.197	6.198	(1.216)	372490	47.1543	9.431
	49 4-Methyl-2-pentanone	43	6.316	6.316	(1.239)	255496	46.0064	9.201
	50 Toluene	91	6.505	6.505	(0.840)	1138054	49.6914	9.938
	51 trans-1,3-Dichloropropene	75	6.683	6.683	(0.863)	297071	50.5905	10.118
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.848	6.848	(0.884)	194157	49.7335	9.947
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.002	7.002	(0.904)	195547	48.7223	9.744
	56 2-Hexanone	43	7.061	7.061	(0.911)	155467	30.1255	6.025
	57 Dibromochloromethane	129	7.215	7.215	(0.931)	168651	45.7223	9.144
	58 1,2-Dibromoethane	107	7.322	7.322	(0.945)	176367	51.3932	10.279
	59 Chlorobenzene	112	7.771	7.771	(1.003)	728715	50.5819	10.116
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	7.866	7.866	(1.015)	1294574	51.4654	10.293
	62 m + p-Xylene	91	7.972	7.973	(1.029)	1955547	99.6334	19.927
M	63 Xylenes (total)	91				2933555	149.075	29.815
	64 Xylene-o	91	8.351	8.351	(1.078)	978008	49.4418	9.888
	65 Styrene	104	8.363	8.363	(1.079)	705039	44.6263	8.925
	66 Bromoform	173	8.552	8.541	(1.104)	90289	44.1755	8.835
	67 Isopropylbenzene	105	8.706	8.706	(1.124)	1205378	52.4002	10.480
	68 1,1,2,2-Tetrachloroethane	83	8.978	8.978	(0.899)	218257	49.8829	9.976
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					
	77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	78 sec-Butylbenzene	105	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94057.D
Report Date: 14-Jun-2005 19:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.925	9.925	(0.994)	446754	48.1325	9.626
81 1,4-Dichlorobenzene	146	10.008	10.008	(1.002)	446846	47.7242	9.545
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.374	10.375	(1.039)	416920	47.9578	9.592
84 1,2-Dibromo-3-chloropropane	157	11.144	11.144	(1.116)	22550	42.7751	8.555
85 1,2,4-Trichlorobenzene	180	11.972	11.972	(1.199)	194508	46.0929	9.218
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	12.220	12.209	(1.224)	1118	4.51264	0.9025
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.636	4.636	(0.909)	572414	46.5884	9.318
143 Methyl Acetate	43	3.062	3.050	(0.601)	193488	46.3027	9.260
144 Methylcyclohexane	83	5.582	5.582	(1.095)	441261	46.0055	9.201
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
47 2-Chloroethyl vinyl ether	63	6.055	6.056	(1.188)	64137	46.0572	9.211

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94057.D
Report Date: 14-Jun-2005 19:13

STL North Canton

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: HDK9F1AC
Level: LOW
Data Type: MS DATA
SpikeList File: plexus-ck.spk
Sublist File: 2-8260.SUB
Method File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\8260MIUX9.m
Misc Info: N50613B,8260MIUX9,2-8260.SUB,1819,3

Client SDG: SDGa01252
Fraction: VOA

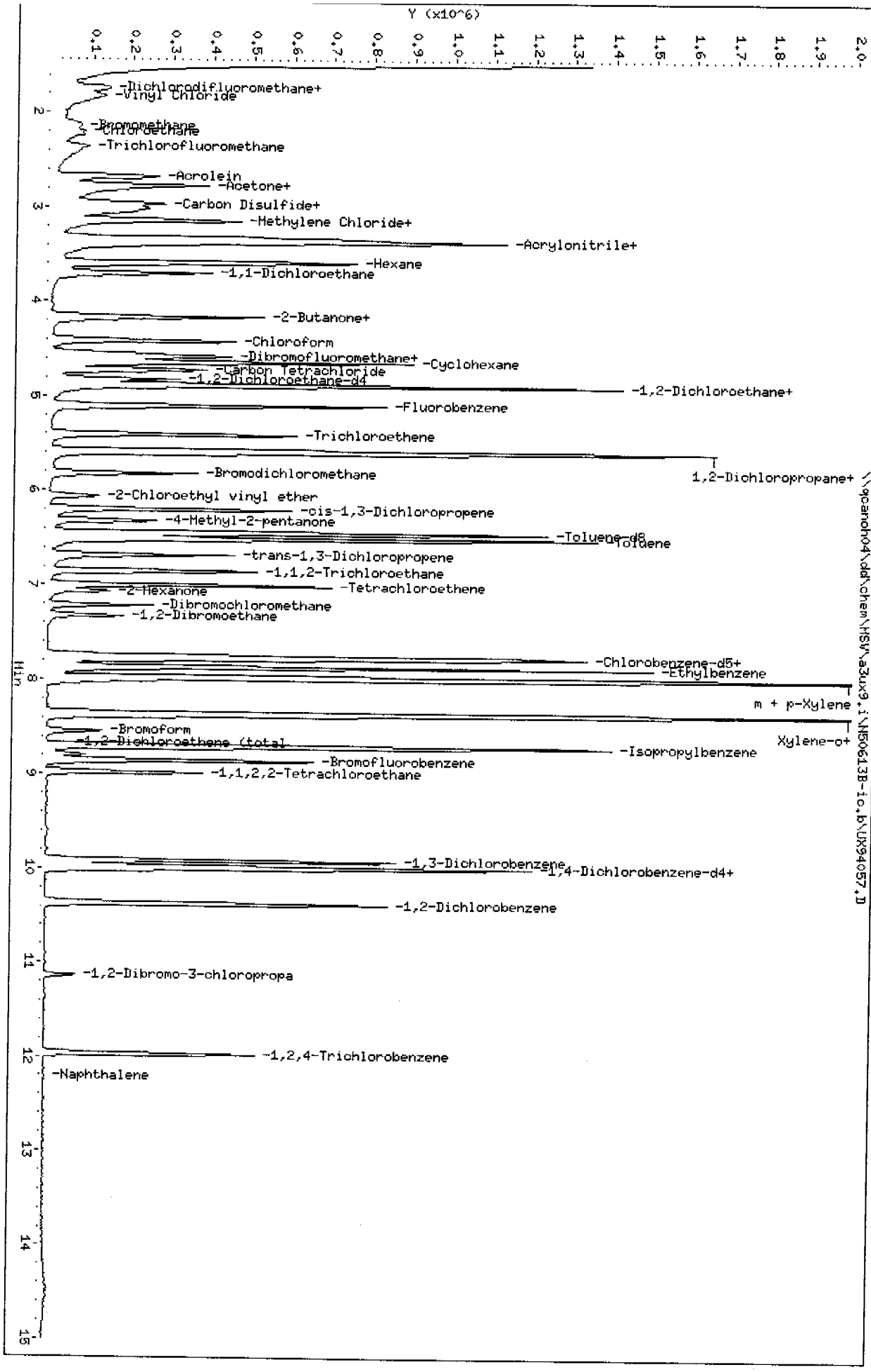
Operator: 1819
SampleType: METHSPIKE
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17 1,1-Dichloroethene	10.000	10.310	103.11	45-155
	42 Trichloroethene	10.000	10.333	103.33	45-155
	59 Chlorobenzene	10.000	10.116	101.16	45-155
	50 Toluene	10.000	9.938	99.38	45-155
	41 Benzene	10.000	10.007	100.07	45-155
	16 Acetone	10.000	5.859	58.59	45-155
	20 Carbon Disulfide	10.000	9.945	99.45	45-155
	9 Chloromethane	10.000	8.648	86.48	45-155
	11 Bromomethane	10.000	10.093	100.93	45-155
	10 Vinyl Chloride	10.000	9.548	95.48	45-155
	12 Chloroethane	10.000	10.301	103.01	45-155
	21 Methylene Chloride	10.000	9.936	99.36	45-155
	28 1,1-Dichloroethane	10.000	10.257	102.57	45-155
M	31 1,2-Dichloroethene	20.000	19.363	96.82	45-155
	35 Chloroform	10.000	10.049	100.49	45-155
	40 1,2-Dichloroethane	10.000	10.094	100.94	45-155
	30 2-Butanone	10.000	7.117	71.17	45-155
	37 1,1,1-Trichloroeth	10.000	10.303	103.03	45-155
	39 Carbon Tetrachlori	10.000	10.136	101.36	45-155
	46 Bromodichlorometha	10.000	9.911	99.11	45-155
	43 1,2-Dichloropropan	10.000	10.131	101.31	45-155
	48 cis-1,3-Dichloropr	10.000	9.431	94.31	45-155
	57 Dibromochlorometha	10.000	9.144	91.44	45-155
	53 1,1,2-Trichloroeth	10.000	9.947	99.47	45-155
	51 trans-1,3-Dichloro	10.000	10.118	101.18	45-155
	66 Bromoform	10.000	8.835	88.35	45-155
	49 4-Methyl-2-pentano	10.000	9.201	92.01	45-155
	56 2-Hexanone	10.000	6.025	60.25	45-155
	55 Tetrachloroethene	10.000	9.744	97.44	45-155
	68 1,1,2,2-Tetrachlor	10.000	9.976	99.77	45-155
	61 Ethylbenzene	10.000	10.293	102.93	45-155
	65 Styrene	10.000	8.925	89.25	45-155
M	63 Xylenes (total)	30.000	29.815	99.38	45-155
	32 cis-1,2-dichloroet	10.000	9.310	93.10	45-155
	25 trans-1,2-Dichloro	10.000	10.053	100.53	45-155
	8 Dichlorodifluorome	10.000	6.650	66.50	45-155
	13 Trichlorofluoromet	10.000	9.067	90.67	45-155
	18 Freon-113	10.000	10.400	104.01	45-155
	24 Methyl tert-butyl	10.000	10.127	101.27	45-155
	58 1,2-Dibromoethane	10.000	10.279	102.79	45-155

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94057.D
Report Date: 14-Jun-2005 19:13

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
67 Isopropylbenzene	10.000	10.480	104.80	45-155
80 1,3-Dichlorobenzen	10.000	9.626	96.27	45-155
81 1,4-Dichlorobenzen	10.000	9.545	95.45	45-155
83 1,2-Dichlorobenzen	10.000	9.592	95.92	45-155
84 1,2-Dibromo-3-chlo	10.000	8.555	85.55	45-155
85 1,2,4-Trichloroben	10.000	9.218	92.19	45-155
98 Cyclohexane	10.000	9.318	93.18	45-155
143 Methyl Acetate	10.000	9.260	92.61	45-155
144 Methylcyclohexane	10.000	9.201	92.01	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	10.638	106.38	73-122
$ 5 1,2-Dichloroethane	10.000	10.324	103.24	61-128
$ 6 Toluene-d8	10.000	10.428	104.28	76-110
$ 7 Bromofluorobenzene	10.000	9.774	97.74	74-116


Data File: \\qcanch04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94057.D
Date : 13-JUN-2005 21:50
Client ID:
Sample Info: ICV/CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-Ethylbenzene
m + p-Xylene
Xylene-o+
-Bromoform
-1,2-Dichloroethene (total
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Naphthalene
\\qcanch04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94057.D

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\8260MIUX9.m
Start Cal Date: 25-MAY-2005 17:29
End Cal Date : 13-JUN-2005 21:28
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 2.50000		
25-MAY-2005 23:25	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93517.D
13-JUN-2005 21:28	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94056.D
Cal Level: 2 , Cal Amount: 10.00000		
25-MAY-2005 23:03	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93516.D
13-JUN-2005 21:06	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94055.D
Cal Level: 3 , Cal Amount: 25.00000		
25-MAY-2005 22:41	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93515.D
13-JUN-2005 20:43	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94054.D
Cal Level: 4 , Cal Amount: 50.00000		
25-MAY-2005 22:18	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93514.D
13-JUN-2005 20:21	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94053.D
Cal Level: 5 , Cal Amount: 100.00000		
25-MAY-2005 21:56	3-IX	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93513.D
13-JUN-2005 19:59	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94052.D
Cal Level: 6 , Cal Amount: 250.00000		
25-MAY-2005 21:33	3-IX	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93512.D
13-JUN-2005 19:37	2-8260	

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+-----------------+-----------------+-----------------------------------------+


Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4
+-----------------+-----------------+-----------------------------------------+
|15-JUN-2005 07:06 |2-8260           |                                         |
|\\QCANOH04\DD\chem\MSV\a3ux9.i\N50615A.b\UX94108.D                             |
|15-JUN-2005 06:44 |3-IX             |                                         |
|\\QCANOH04\DD\chem\MSV\a3ux9.i\N50615A.b\UX94107.D                             |
+-----------------+-----------------+-----------------------------------------+
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Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50615A.b\UX94108.D
Report Date: 15-Jun-2005 07:22

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux9.i Injection Date: 15-JUN-2005 07:06
Lab File ID: UX94108.D Init. Cal. Date(s): 25-MAY-2005 13-JUN-2005
Analysis Type: WATER Init. Cal. Times: 17:29 21:28
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50615A.b\8260MIUX9.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 4 Dibromofluoromethane	0.20233	0.21999	0.21999	0.010	-8.72842	50.00000	Averaged
$ 5 1,2-Dichloroethane-d4	0.27762	0.29114	0.29114	0.010	-4.86918	50.00000	Averaged
$ 6 Toluene-d8	1.42498	1.46090	1.46090	0.010	-2.52031	50.00000	Averaged
$ 7 Bromofluorobenzene	0.51460	0.52036	0.52036	0.010	-1.12041	50.00000	Averaged
8 Dichlorodifluoromethane	50.00000	46.21869	0.23977	0.010	7.56262	0.000e+000	Linear
9 Chloromethane	0.46747	0.48421	0.48421	0.100	-3.58134	50.00000	Averaged
10 Vinyl Chloride	0.35062	0.35932	0.35932	0.010	-2.48256	20.00000	Averaged
11 Bromomethane	0.12065	0.14472	0.14472	0.010	-19.95476	50.00000	Averaged
12 Chloroethane	50.00000	57.97352	0.19808	0.010	-15.94704	0.000e+000	Linear
13 Trichlorofluoromethane	50.00000	49.12513	0.28418	0.010	1.74973	0.000e+000	Linear
15 Acrolein	0.04587	0.04380	0.04380	0.010	4.50302	50.00000	Averaged
16 Acetone	0.17003	0.13478	0.13478	0.010	20.73590	50.00000	Averaged
17 1,1-Dichloroethene	0.44128	0.47887	0.47887	0.010	-8.52023	20.00000	Averaged
18 Freon-113	0.16900	0.18432	0.18432	0.010	-9.06727	50.00000	Averaged
19 Iodomethane	0.32075	0.33010	0.33010	0.010	-2.91483	50.00000	Averaged
20 Carbon Disulfide	0.82430	0.88328	0.88328	0.010	-7.15536	50.00000	Averaged
21 Methylene Chloride	50.00000	49.96054	0.29747	0.010	0.07892	0.000e+000	Linear
22 Acetonitrile	0.04404	0.03993	0.03993	0.010	9.32402	50.00000	Averaged
23 Acrylonitrile	0.10928	0.11076	0.11076	0.010	-1.36073	50.00000	Averaged
24 Methyl tert-butyl ether	0.63672	0.60572	0.60572	0.010	4.86888	50.00000	Averaged
25 trans-1,2-Dichloroethene	0.44787	0.46587	0.46587	0.010	-4.01871	50.00000	Averaged
26 Hexane	0.53854	0.56049	0.56049	0.010	-4.07611	20.00000	Averaged
27 Vinyl acetate	0.64195	0.60775	0.60775	0.010	5.32726	50.00000	Averaged
28 1,1-Dichloroethane	0.54525	0.55662	0.55662	0.100	-2.08509	50.00000	Averaged
29 tert-Butyl Alcohol	0.02100	0.01703	0.01703	0.010	18.91362	50.00000	Averaged
30 2-Butanone	0.18537	0.16031	0.16031	0.010	13.51756	50.00000	Averaged
M 31 1,2-Dichloroethene (total)	0.46114	0.47944	0.47944	0.010	-3.96733	50.00000	Averaged
32 cis-1,2-dichloroethene	0.47441	0.49300	0.49300	0.010	-3.91857	50.00000	Averaged
33 2,2-Dichloropropane	0.28794	0.28738	0.28738	0.010	0.19497	50.00000	Averaged
34 Bromochloromethane	0.12015	0.13244	0.13244	0.010	-10.22935	50.00000	Averaged
35 Chloroform	0.41640	0.43134	0.43134	0.010	-3.58953	20.00000	Averaged
36 Tetrahydrofuran	50.00000	45.96133	0.08694	0.010	8.07733	0.000e+000	Linear
37 1,1,1-Trichloroethane	0.33161	0.34192	0.34192	0.010	-3.10987	50.00000	Averaged
38 1,1-Dichloropropene	0.35596	0.36748	0.36748	0.010	-3.23573	50.00000	Averaged
39 Carbon Tetrachloride	0.26545	0.27997	0.27997	0.010	-5.47032	50.00000	Averaged
40 1,2-Dichloroethane	0.38225	0.40086	0.40086	0.010	-4.86812	50.00000	Averaged
41 Benzene	1.16281	1.20654	1.20654	0.010	-3.76118	50.00000	Averaged
42 Trichloroethene	0.27031	0.28910	0.28910	0.010	-6.94953	50.00000	Averaged
43 1,2-Dichloropropane	0.32289	0.33290	0.33290	0.010	-3.10148	20.00000	Averaged
44 1,4-Dioxane	0.00228	0.00174	0.00174	0.010	23.70604	50.00000	Averaged <-
45 Dibromomethane	0.12567	0.12833	0.12833	0.010	-2.11443	50.00000	Averaged
46 Bromodichloromethane	0.28817	0.30971	0.30971	0.010	-7.47632	50.00000	Averaged
48 cis-1,3-Dichloropropene	50.00000	46.96907	0.40943	0.010	6.06186	0.000e+000	Linear

|_____|_____|_____|_____|____|_____|_____|_____|

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50615A.b\UX94108.D
Report Date: 15-Jun-2005 07:22

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux9.i Injection Date: 15-JUN-2005 07:06
Lab File ID: UX94108.D Init. Cal. Date(s): 25-MAY-2005 13-JUN-2005
Analysis Type: WATER Init. Cal. Times: 17:29 21:28
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50615A.b\8260MIUX9.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
49 4-Methyl-2-pentanone	0.30647	0.29925	0.29925	0.010	2.35732	50.00000	Averaged
50 Toluene	1.76184	1.76284	1.76284	0.010	-0.05716	20.00000	Averaged
51 trans-1,3-Dichloropropene	0.45173	0.44052	0.44052	0.010	2.48124	50.00000	Averaged
52 Ethyl Methacrylate	50.00000	44.90943	0.38217	0.010	10.18113	0.000e+000	Linear
53 1,1,2-Trichloroethane	0.30032	0.30036	0.30036	0.010	-0.01132	50.00000	Averaged
54 1,3-Dichloropropane	0.54628	0.54394	0.54394	0.010	0.42843	50.00000	Averaged
55 Tetrachloroethene	0.30875	0.32514	0.32514	0.010	-5.30734	50.00000	Averaged
56 2-Hexanone	100	77.84837	0.29255	0.010	22.15163	0.000e+000	Linear
57 Dibromochloromethane	50.00000	47.01523	0.26717	0.010	5.96954	0.000e+000	Linear
58 1,2-Dibromoethane	0.26399	0.27188	0.27188	0.010	-2.98792	50.00000	Averaged
59 Chlorobenzene	1.10827	1.12239	1.12239	0.300	-1.27385	50.00000	Averaged
60 1,1,1,2-Tetrachloroethane	0.33340	0.34049	0.34049	0.010	-2.12662	50.00000	Averaged
61 Ethylbenzene	1.93506	2.01527	2.01527	0.010	-4.14488	20.00000	Averaged
62 m + p-Xylene	1.50990	1.56159	1.56159	0.010	-3.42381	50.00000	Averaged
M 63 Xylenes (total)	1.51384	1.56586	1.56586	0.010	-3.43661	50.00000	Averaged
64 Xylene-o	1.52171	1.57439	1.57439	0.010	-3.46193	50.00000	Averaged
65 Styrene	50.00000	48.31299	1.18112	0.010	3.37402	0.000e+000	Linear
66 Bromoform	50.00000	44.81457	0.14112	0.100	10.37086	0.000e+000	Linear
67 Isopropylbenzene	1.76960	1.86953	1.86953	0.010	-5.64740	50.00000	Averaged
68 1,1,2,2-Tetrachloroethane	0.83095	0.81068	0.81068	0.300	2.43964	50.00000	Averaged
69 1,4-Dichloro-2-butene	50.00000	43.18071	0.24670	0.010	13.63858	0.000e+000	Linear
70 1,2,3-Trichloropropane	0.25478	0.23655	0.23655	0.010	7.15489	50.00000	Averaged
71 Bromobenzene	0.93701	0.93225	0.93225	0.010	0.50823	50.00000	Averaged
72 n-Propylbenzene	5.21518	5.30930	5.30930	0.010	-1.80476	50.00000	Averaged
73 2-Chlorotoluene	1.06109	1.07325	1.07325	0.010	-1.14571	50.00000	Averaged
74 1,3,5-Trimethylbenzene	3.44047	3.52747	3.52747	0.010	-2.52853	50.00000	Averaged
75 4-Chlorotoluene	1.02245	1.06001	1.06001	0.010	-3.67361	50.00000	Averaged
76 tert-Butylbenzene	3.29263	3.34369	3.34369	0.010	-1.55091	50.00000	Averaged
77 1,2,4-Trimethylbenzene	3.38707	3.52735	3.52735	0.010	-4.14176	50.00000	Averaged
78 sec-Butylbenzene	4.55280	4.59843	4.59843	0.010	-1.00215	50.00000	Averaged
79 4-Isopropyltoluene	3.45103	3.57167	3.57167	0.010	-3.49558	50.00000	Averaged
80 1,3-Dichlorobenzene	1.76273	1.82420	1.82420	0.010	-3.48699	50.00000	Averaged
81 1,4-Dichlorobenzene	1.77818	1.74874	1.74874	0.010	1.65583	50.00000	Averaged
82 n-Butylbenzene	2.96118	2.96241	2.96241	0.010	-0.04179	50.00000	Averaged
83 1,2-Dichlorobenzene	1.65101	1.68122	1.68122	0.010	-1.82959	50.00000	Averaged
84 1,2-Dibromo-3-chloropropane	0.10012	0.08745	0.08745	0.010	12.65320	50.00000	Averaged
85 1,2,4-Trichlorobenzene	0.80142	0.81492	0.81492	0.010	-1.68495	50.00000	Averaged
86 Hexachlorobutadiene	0.38503	0.40131	0.40131	0.010	-4.22982	50.00000	Averaged
87 Naphthalene	50.00000	42.76526	1.44529	0.010	14.46948	0.000e+000	Linear
88 1,2,3-Trichlorobenzene	0.70312	0.70401	0.70401	0.010	-0.12570	50.00000	Averaged
98 Cyclohexane	0.67805	0.73244	0.73244	0.010	-8.02236	50.00000	Averaged
143 Methyl Acetate	0.23061	0.21747	0.21747	0.010	5.69586	50.00000	Averaged
144 Methylcyclohexane	0.52931	0.55203	0.55203	0.010	-4.29122	50.00000	Averaged

|_____|_____|_____|_____|____|_____|_____|_____|

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50615A.b\UX94108.D
Report Date: 15-Jun-2005 07:22

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux9.i Injection Date: 15-JUN-2005 07:06
Lab File ID: UX94108.D Init. Cal. Date(s): 25-MAY-2005 13-JUN-2005
Analysis Type: WATER Init. Cal. Times: 17:29 21:28
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50615A.b\8260MIUX9.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
141 1,3,5-Trichlorobenzene	1.03246	1.06456	1.06456	0.010	-3.10905	50.00000	Averaged
47 2-Chloroethyl vinyl ether	100	60.92264	0.04917	0.010	39.07736	0.000e+000	Linear

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50615A.b\UX94108.D
Report Date: 15-Jun-2005 07:22

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50615A.b\UX94108.D
Lab Smp Id: 50NG-CC
Inj Date : 15-JUN-2005 07:06
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 50NG-CC
Misc Info : N50615A,8260MIUX9,2-8260.SUB,1819,2
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50615A.b\8260MIUX9.m
Meth Date : 15-Jun-2005 07:22 Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	804867	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	591284	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	252270	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	177065	50.0000	54.364
$ 5 1,2-Dichloroethane-d4	65	4.825	4.825	(0.947)	234325	50.0000	52.434
$ 6 Toluene-d8	98	6.446	6.446	(0.832)	863804	50.0000	51.260
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	307683	50.0000	50.560
8 Dichlorodifluoromethane	85	1.583	1.583	(0.311)	192981	50.0000	46.219
9 Chloromethane	50	1.737	1.737	(0.341)	389728	50.0000	51.791
10 Vinyl Chloride	62	1.832	1.832	(0.359)	289206	50.0000	51.241
11 Bromomethane	94	2.127	2.127	(0.417)	116482	50.0000	59.977
12 Chloroethane	64	2.210	2.210	(0.434)	159428	50.0000	57.974
13 Trichlorofluoromethane	101	2.352	2.352	(0.462)	228726	50.0000	49.125
15 Acrolein	56	2.672	2.672	(0.524)	352568	500.000	477.48(A)
16 Acetone	43	2.790	2.790	(0.547)	216952	100.000	79.264
17 1,1-Dichloroethene	61	2.766	2.766	(0.543)	385429	50.0000	54.260
18 Freon-113	151	2.826	2.826	(0.554)	148353	50.0000	54.534
19 Iodomethane	142	2.897	2.897	(0.568)	265687	50.0000	51.457
20 Carbon Disulfide	76	2.968	2.968	(0.582)	710925	50.0000	53.578

21 Methylene Chloride	84	3.145	3.145 (0.617)	239421	50.0000	49.960
22 Acetonitrile	41	3.015	3.015 (0.591)	321423	500.000	453.38(A)
23 Acrylonitrile	53	3.323	3.323 (0.652)	891496	500.000	506.80(A)

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50615A.b\UX94108.D
Report Date: 15-Jun-2005 07:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.358	3.358	(0.659)	487523	50.0000	47.566
	25 trans-1,2-Dichloroethene	61	3.370	3.370	(0.661)	374963	50.0000	52.009
	26 Hexane	57	3.583	3.583	(0.703)	451122	50.0000	52.038
	27 Vinyl acetate	43	3.725	3.725	(0.731)	489161	50.0000	47.336
	28 1,1-Dichloroethane	63	3.701	3.701	(0.726)	448005	50.0000	51.042
	29 tert-Butyl Alcohol	59	3.204	3.204	(0.629)	274120	1000.00	810.86(A)
	30 2-Butanone	43	4.163	4.163	(0.817)	258056	100.000	86.482
M	31 1,2-Dichloroethene (total)	61				771762	100.000	103.97
	32 cis-1,2-dichloroethene	61	4.163	4.163	(0.817)	396799	50.0000	51.959
	33 2,2-Dichloropropane	77	4.163	4.163	(0.817)	231300	50.0000	49.902
	34 Bromochloromethane	128	4.364	4.364	(0.856)	106599	50.0000	55.115
	35 Chloroform	83	4.411	4.411	(0.865)	347175	50.0000	51.795
	36 Tetrahydrofuran	42	4.399	4.399	(0.863)	69974	50.0000	45.961
	37 1,1,1-Trichloroethane	97	4.577	4.577	(0.898)	275204	50.0000	51.555
	38 1,1-Dichloropropene	75	4.707	4.707	(0.923)	295773	50.0000	51.618
	39 Carbon Tetrachloride	117	4.719	4.719	(0.926)	225337	50.0000	52.735
	40 1,2-Dichloroethane	62	4.884	4.884	(0.958)	322640	50.0000	52.434
	41 Benzene	78	4.884	4.884	(0.958)	971107	50.0000	51.880
	42 Trichloroethene	130	5.405	5.405	(1.060)	232686	50.0000	53.475
	43 1,2-Dichloropropane	63	5.594	5.594	(1.097)	267941	50.0000	51.551
	44 1,4-Dioxane	88	5.701	5.701	(1.118)	69949	2500.00	1907.3(A)
	45 Dibromomethane	93	5.689	5.689	(1.116)	103285	50.0000	51.057
	46 Bromodichloromethane	83	5.819	5.819	(1.142)	249275	50.0000	53.738
	48 cis-1,3-Dichloropropene	75	6.198	6.198	(1.216)	329540	50.0000	46.969
	49 4-Methyl-2-pentanone	43	6.316	6.316	(1.239)	481710	100.000	97.643
	50 Toluene	91	6.506	6.506	(0.840)	1042341	50.0000	50.028
	51 trans-1,3-Dichloropropene	75	6.683	6.683	(0.863)	260471	50.0000	48.759
	52 Ethyl Methacrylate	69	6.742	6.742	(0.870)	225969	50.0000	44.909
	53 1,1,2-Trichloroethane	97	6.849	6.849	(0.884)	177596	50.0000	50.006
	54 1,3-Dichloropropane	76	7.003	7.003	(0.904)	321624	50.0000	49.786
	55 Tetrachloroethene	164	7.003	7.003	(0.904)	192248	50.0000	52.654
	56 2-Hexanone	43	7.062	7.062	(0.911)	345960	100.000	77.848
	57 Dibromochloromethane	129	7.216	7.216	(0.931)	157974	50.0000	47.015
	58 1,2-Dibromoethane	107	7.322	7.322	(0.945)	160760	50.0000	51.494
	59 Chlorobenzene	112	7.772	7.772	(1.003)	663651	50.0000	50.637
	60 1,1,1,2-Tetrachloroethane	131	7.843	7.843	(1.012)	201324	50.0000	51.063
	61 Ethylbenzene	91	7.866	7.866	(1.015)	1191597	50.0000	52.072
	62 m + p-Xylene	91	7.973	7.973	(1.029)	1846690	100.000	103.42
M	63 Xylenes (total)	91				2777603	150.000	155.15
	64 Xylene-o	91	8.352	8.352	(1.078)	930913	50.0000	51.731
	65 Styrene	104	8.363	8.363	(1.079)	698376	50.0000	48.313
	66 Bromoform	173	8.553	8.553	(1.104)	83440	50.0000	44.814
	67 Isopropylbenzene	105	8.706	8.706	(1.124)	1105425	50.0000	52.824
	68 1,1,2,2-Tetrachloroethane	83	8.979	8.979	(0.899)	204509	50.0000	48.780
	69 1,4-Dichloro-2-butene	53	9.026	9.026	(0.904)	62234	50.0000	43.181
	70 1,2,3-Trichloropropane	110	9.026	9.026	(0.904)	59675	50.0000	46.422
	71 Bromobenzene	156	9.002	9.002	(0.902)	235179	50.0000	49.746
	72 n-Propylbenzene	91	9.097	9.097	(0.911)	1339377	50.0000	50.902
	73 2-Chlorotoluene	126	9.192	9.192	(0.921)	270749	50.0000	50.573
	74 1,3,5-Trimethylbenzene	105	9.263	9.263	(0.928)	889874	50.0000	51.264
	75 4-Chlorotoluene	126	9.298	9.298	(0.931)	267409	50.0000	51.837
	76 tert-Butylbenzene	119	9.582	9.582	(0.960)	843513	50.0000	50.775

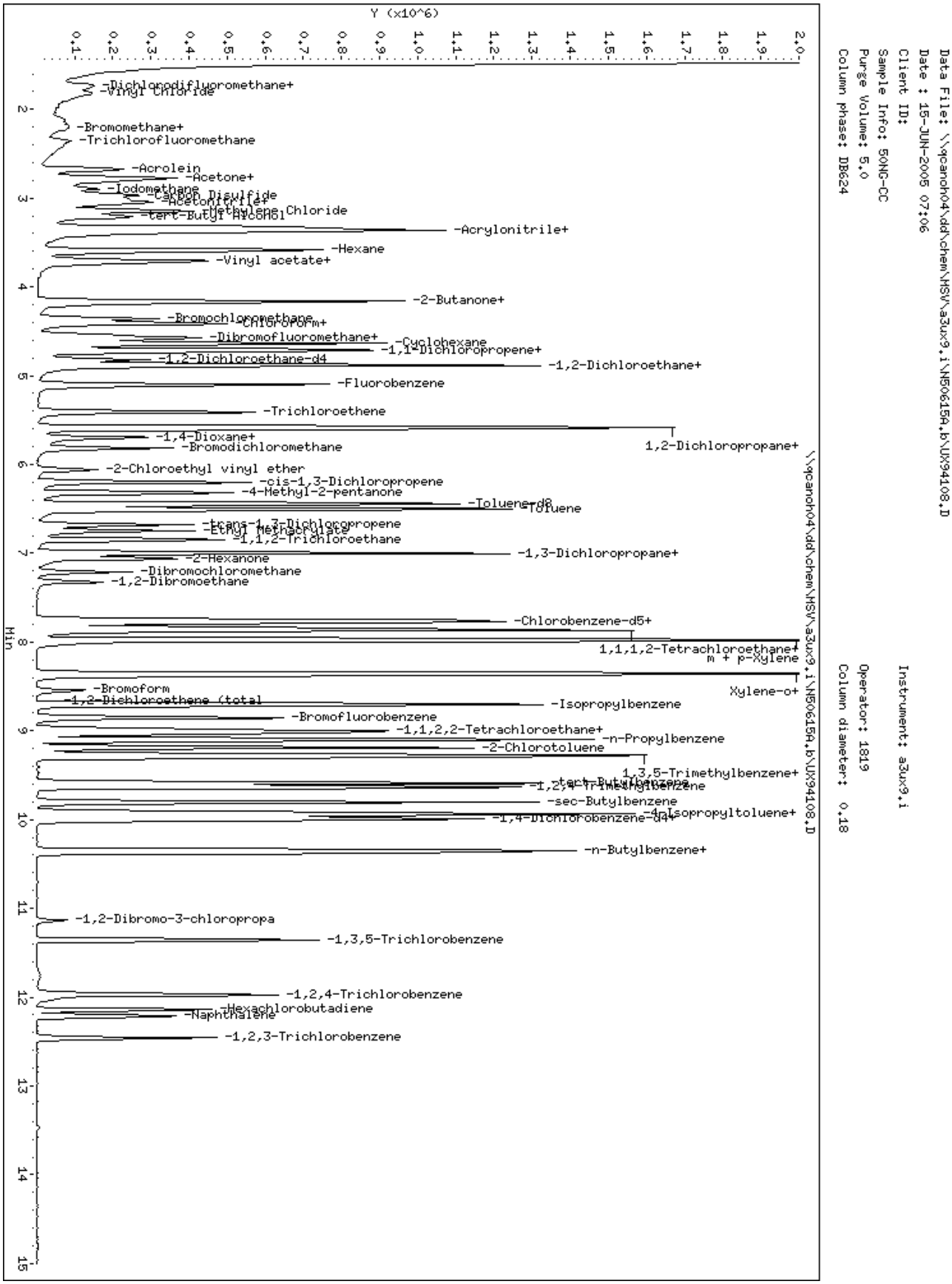
77	1,2,4-Trimethylbenzene	105	9.629	9.629 (0.964)	889845	50.0000	52.071
78	sec-Butylbenzene	105	9.807	9.807 (0.982)	1160045	50.0000	50.501

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50615A.b\UX94108.D
Report Date: 15-Jun-2005 07:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
79 4-Isopropyltoluene	119	9.949	9.949	(0.996)	901024	50.0000	51.748
80 1,3-Dichlorobenzene	146	9.925	9.925	(0.994)	460191	50.0000	51.743
81 1,4-Dichlorobenzene	146	10.008	10.008	(1.002)	441154	50.0000	49.172
82 n-Butylbenzene	91	10.351	10.351	(1.037)	747328	50.0000	50.021
83 1,2-Dichlorobenzene	146	10.375	10.375	(1.039)	424121	50.0000	50.915
84 1,2-Dibromo-3-chloropropane	157	11.144	11.144	(1.116)	22061	50.0000	43.673
85 1,2,4-Trichlorobenzene	180	11.972	11.972	(1.199)	205581	50.0000	50.842
86 Hexachlorobutadiene	225	12.138	12.138	(1.216)	101239	50.0000	52.115
87 Naphthalene	128	12.209	12.209	(1.223)	364603	50.0000	42.765
88 1,2,3-Trichlorobenzene	180	12.457	12.457	(1.248)	177600	50.0000	50.063
98 Cyclohexane	56	4.636	4.636	(0.909)	589518	50.0000	54.011
143 Methyl Acetate	43	3.050	3.050	(0.598)	350073	100.000	94.304
144 Methylcyclohexane	83	5.583	5.583	(1.095)	444308	50.0000	52.146
141 1,3,5-Trichlorobenzene	180	11.357	11.357	(1.137)	268557	50.0000	51.554
47 2-Chloroethyl vinyl ether	63	6.056	6.056	(1.188)	79146	100.000	60.923

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94108.D
Date : 15-JUN-2005 07:06
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl chloride
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide
-Acetonitrile+
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
Xylene-o+
-Bromoform
-1,2-Dichloroethene (total
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-1,4-Dichlorobenzene-d4+
-4-Isopropyltoluene+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94108.D

RAW QC DATA

STL North Canton

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\BFB590.D
Lab Smp Id: 50NG INJECTION OF B Client Smp ID: 50NGBFB
Inj Date : 04-JUN-2005 16:32
Operator : 402279 Inst ID: a3ux7.i
Smp Info : 50NG INJECTION OF BFB
Misc Info : U50604B-IC,BFBSUX7,,402279
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux7.i\U50604B-IC.b\BFBSUX7.m
Meth Date : 05-May-2005 09:42 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/Kg)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.310	3.310	0.000	95	61904			100.00- 100.00	100.00
3.310	3.310	0.000	50	13917			15.00- 40.00	22.48
3.310	3.310	0.000	75	28472			30.00- 60.00	45.99
3.310	3.310	0.000	96	3620			5.00- 9.00	5.85
3.310	3.310	0.000	173	513			0.00- 2.00	1.05
3.310	3.310	0.000	174	48952			50.00- 100.00	79.08
3.310	3.310	0.000	175	3579			5.00- 9.00	7.31
3.310	3.310	0.000	176	47120			95.00- 101.00	96.26
3.310	3.310	0.000	177	2605			5.00- 9.00	5.53

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\BFB590.D

Page 1

Date : 04-JUN-2005 16:32

Client ID: 50NGBFB

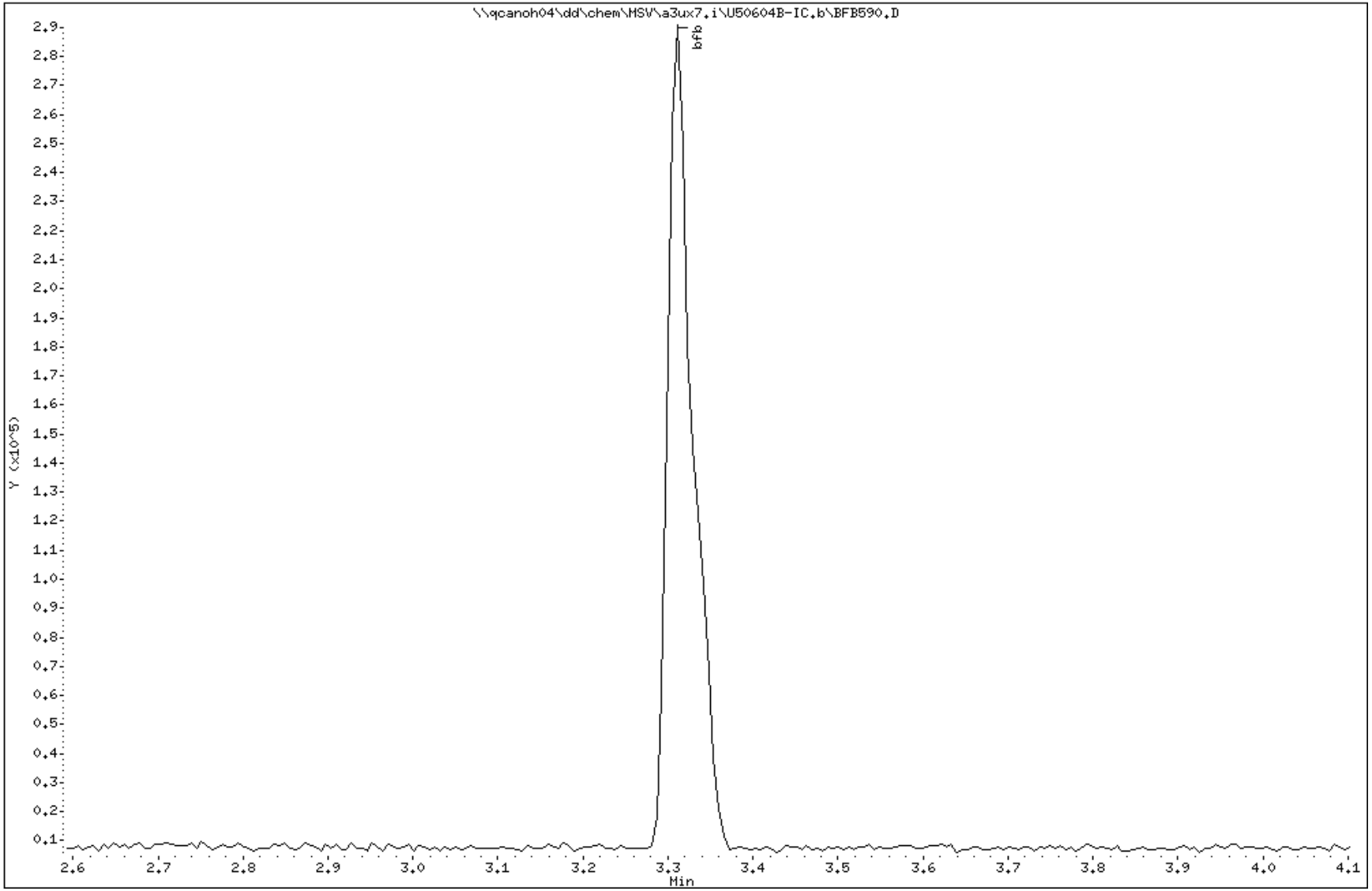
Instrument: a3ux7.i

Sample Info: 50NG INJECTION OF BFB

Operator: 402279

Column phase: DB624 20m

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\BFB590.D

Date : 04-JUN-2005 16:32

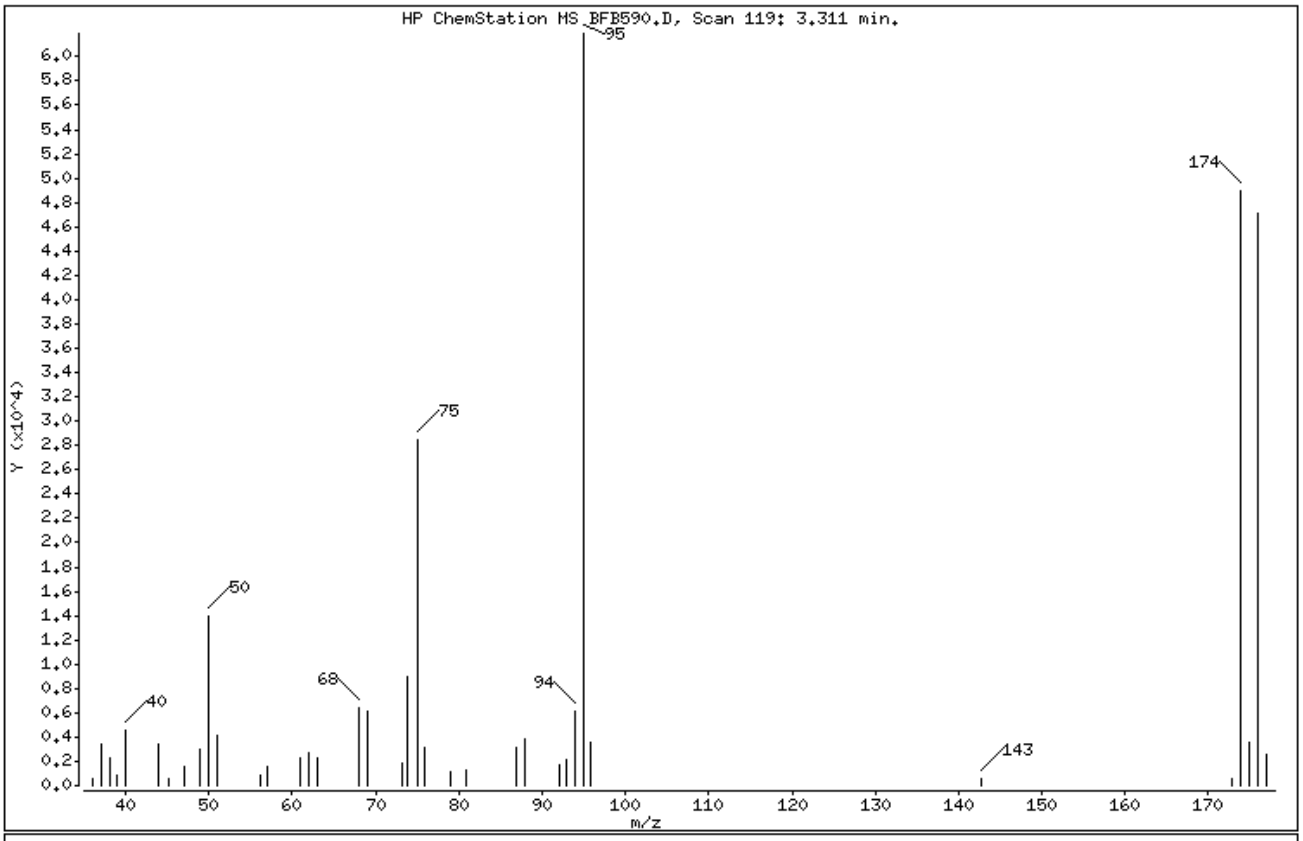
Client ID: 50NGBFB Instrument: a3ux7.i

Sample Info: 50NG INJECTION OF BFB

Operator: 402279

Column phase: DB624 20m Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.48
75	30.00 - 60.00% of mass 95	45.99
96	5.00 - 9.00% of mass 95	5.85
173	Less than 2.00% of mass 174	0.83 (1.05)
174	50.00 - 100.00% of mass 95	79.08
175	5.00 - 9.00% of mass 174	5.78 (7.31)
176	95.00 - 101.00% of mass 174	76.12 (96.26)
177	5.00 - 9.00% of mass 176	4.21 (5.53)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\BFB590.D

Date : 04-JUN-2005 16:32

Client ID: 50NGBFB Instrument: a3ux7.i

Sample Info: 50NG INJECTION OF BFB

Operator: 402279

Column phase: DB624 20m Column diameter: 0.18

Data File: BFB590.D
Spectrum: HP ChemStation MS BFB590.D, Scan 119: 3.311 min.
Location of Maximum: 95.00
Number of points: 37

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	622	51.00	4164	75.00	28472	95.90	3620
37.00	3367	56.10	919	75.90	3089	142.80	549
38.10	2209	57.10	1526	78.90	1082	172.80	513
38.90	826	61.00	2229	80.90	1324	173.90	48952
40.00	4583	62.00	2645	86.90	3183	174.90	3579
43.90	3367	63.00	2346	87.90	3885	175.90	47120
45.10	505	67.90	6449	92.00	1717	177.00	2605
47.00	1523	69.00	6102	92.90	2154		
49.00	2950	73.10	1783	94.00	6104		
50.00	13917	73.90	8979	95.00	61904		

STL - North Canton

Data file : \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\BFB593.D
Lab Smp Id: 50NG INJECTION OF B Client Smp ID: 50NGBFB
Inj Date : 08-JUN-2005 10:31
Operator : 2807 Inst ID: a3ux7.i
Smp Info : 50NG INJECTION OF BFB
Misc Info : U50608A,BFBSUX7,,2807
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\BFBSUX7.m
Meth Date : 05-May-2005 09:42 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/Kg)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
3.311	3.310	0.001	95	101664			100.00- 100.00	100.00
3.311	3.310	0.001	50	22584			15.00- 40.00	22.21
3.311	3.310	0.001	75	45920			30.00- 60.00	45.17
3.311	3.310	0.001	96	6793			5.00- 9.00	6.68
3.311	3.310	0.001	173	0	0.0	0.0	0.00- 2.00	0.00
3.311	3.310	0.001	174	80744			50.00- 100.00	79.42
3.311	3.310	0.001	175	4949			5.00- 9.00	6.13
3.311	3.310	0.001	176	76816			95.00- 101.00	95.14
3.311	3.310	0.001	177	5506			5.00- 9.00	7.17

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\BFB593.D

Page 1

Date : 08-JUN-2005 10:31

Client ID: 50NGBFB

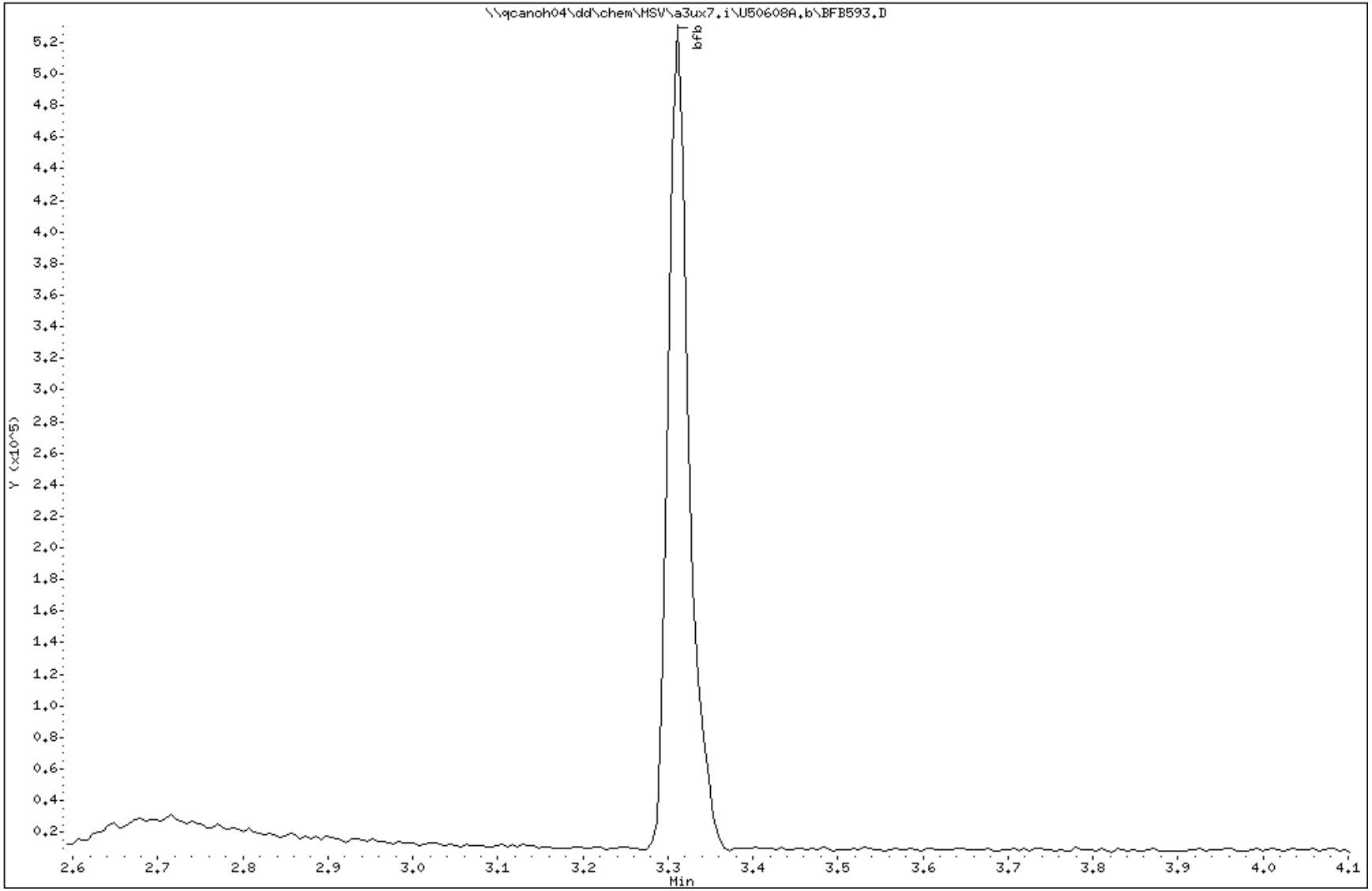
Instrument: a3ux7.i

Sample Info: 50NG INJECTION OF BFB

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\BFB593.D

Date : 08-JUN-2005 10:31

Client ID: 50NGBFB

Instrument: a3ux7.i

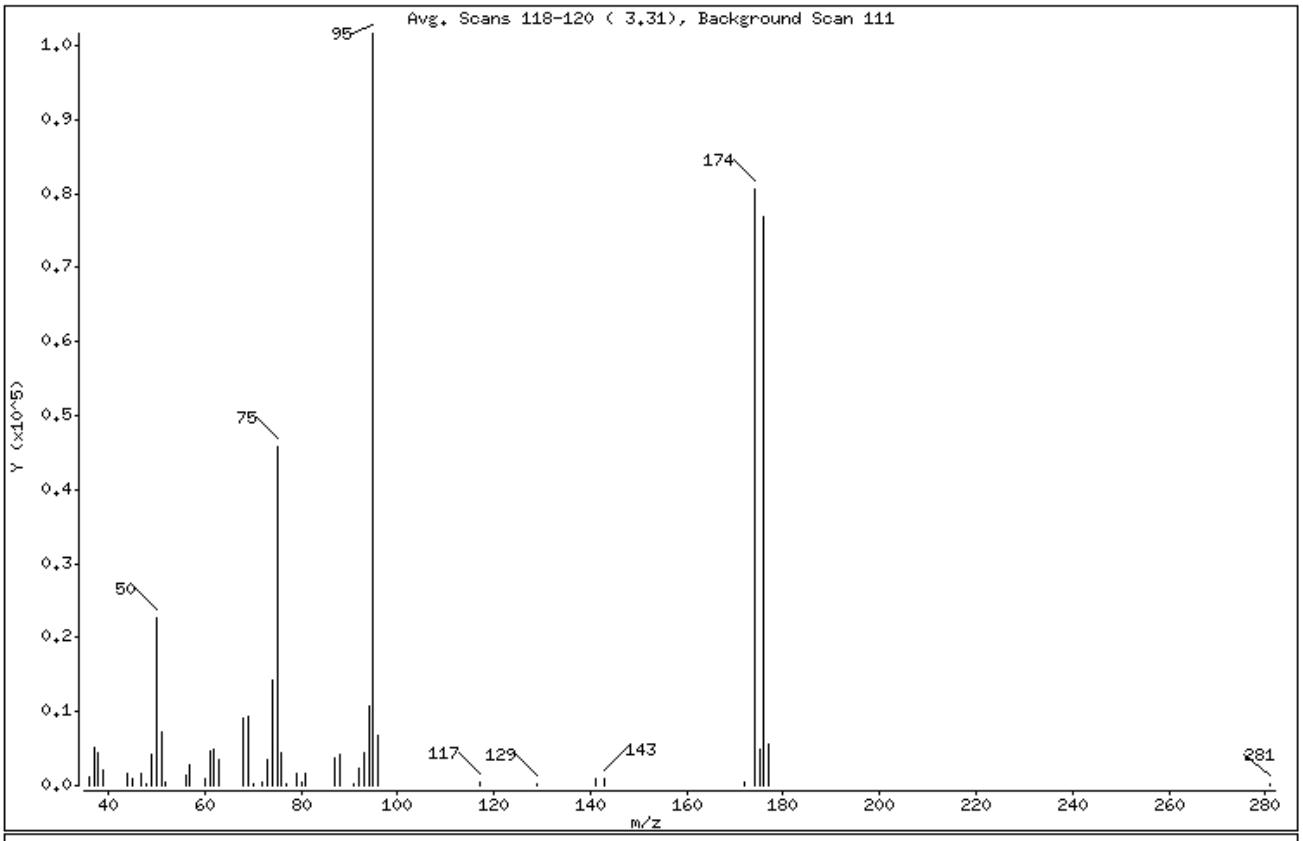
Sample Info: 50NG INJECTION OF BFB

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.21
75	30.00 - 60.00% of mass 95	45.17
96	5.00 - 9.00% of mass 95	6.68
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	79.42
175	5.00 - 9.00% of mass 174	4.87 (6.13)
176	95.00 - 101.00% of mass 174	75.56 (95.14)
177	5.00 - 9.00% of mass 176	5.42 (7.17)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\BFB593.D Page 3

Date : 08-JUN-2005 10:31

Client ID: 50NGBFB Instrument: a3ux7.i

Sample Info: 50NG INJECTION OF BFB

Operator: 2807

Column phase: DB624 20m Column diameter: 0.18

Data File: BFB593.D
Spectrum: Avg. Scans 118-120 (3.31), Background Scan 111
Location of Maximum: 95.00
Number of points: 48

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1196	57.00	2817	77.00	174	129.00	200
37.00	5186	60.00	925	79.00	1577	141.00	911
38.00	4437	61.00	4592	80.00	477	143.00	979
39.00	2071	62.00	4844	81.00	1705	172.00	415
44.00	1752	63.00	3543	87.00	3655	174.00	80744
45.00	1019	68.00	9048	88.00	4289	175.00	4949
47.00	1599	69.00	9412	91.00	209	176.00	76816
48.00	284	70.00	208	92.00	2376	177.00	5506
49.00	4172	72.00	438	93.00	4346	281.00	184
50.00	22584	73.00	3568	94.00	10706		
51.00	7144	74.00	14193	95.00	101664		
52.00	416	75.00	45920	96.00	6793		
56.00	1320	76.00	4382	117.00	490		

STL North Canton

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B.b\BFB241.D
Lab Smp Id: 50NG INJECTION OF B Client Smp ID: 50NG BFB
Inj Date : 13-JUN-2005 18:52
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 50NG INJECTION OF BFB
Misc Info : N50613B,BFBUX9,,1819
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50613B.b\BFBUX9.m
Meth Date : 03-Sep-2002 15:09 target Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 5 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
3.535	3.500	0.035	95	46856			100.00- 100.00	100.00
3.535	3.500	0.035	50	12701			15.00- 40.00	27.11
3.535	3.500	0.035	75	22464			30.00- 60.00	47.94
3.535	3.500	0.035	96	3655			5.00- 9.00	7.80
3.535	3.500	0.035	173	0	0.0	0.0	0.00- 2.00	0.00
3.535	3.500	0.035	174	30856			50.00- 120.00	65.85
3.535	3.500	0.035	175	2274			5.00- 9.00	7.37
3.535	3.500	0.035	176	30280			95.00- 101.00	98.13
3.535	3.500	0.035	177	2157			5.00- 9.00	7.12

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\BFB241.D

Page 1

Date : 13-JUN-2005 18:52

Client ID: 50NG BFB

Instrument: a3ux9.i

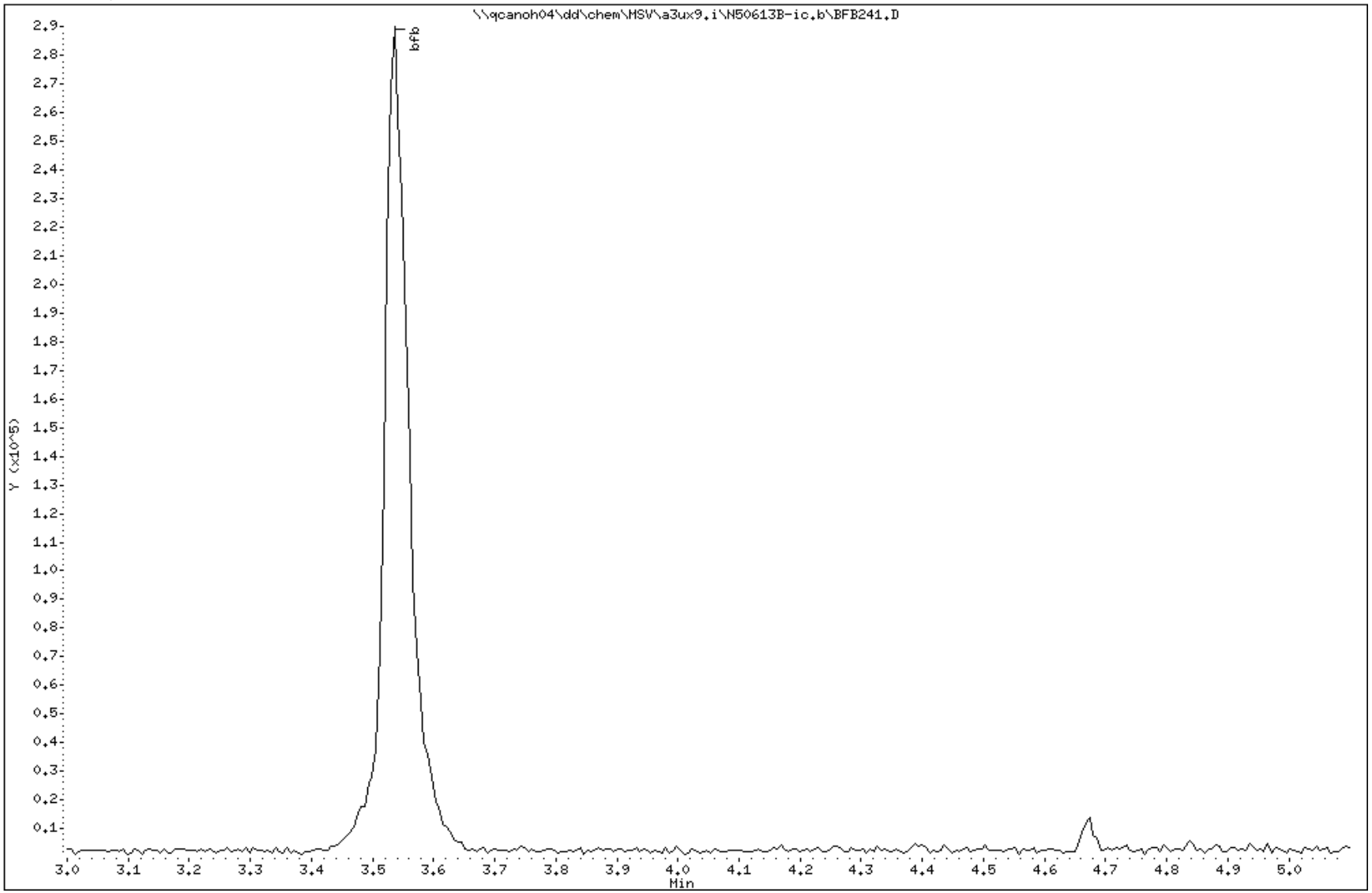
Sample Info: 50NG INJECTION OF BFB

Volume Injected (uL): 1.0

Operator: 1819

Column phase: DB624 75M

Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\BFB241.D

Date : 13-JUN-2005 18:52

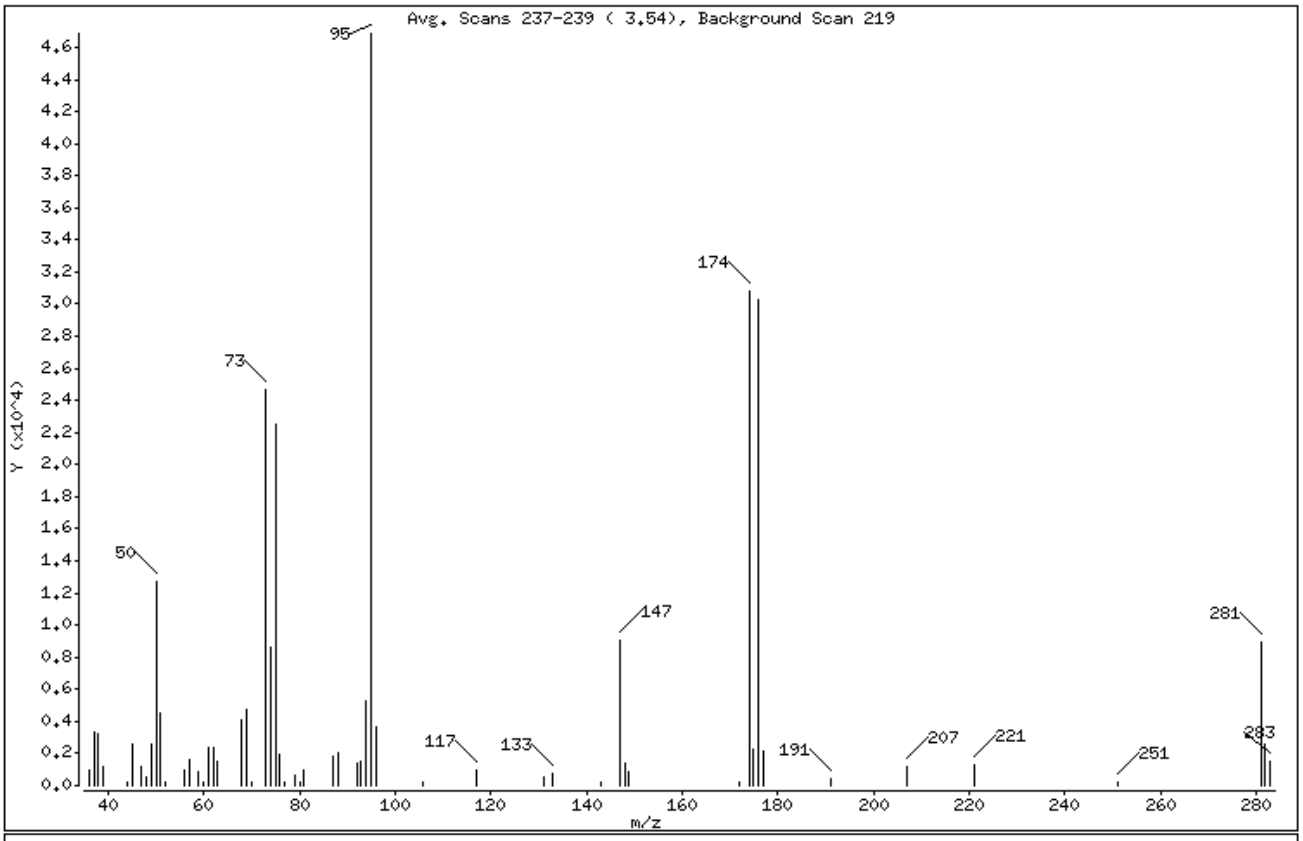
Client ID: 50NG BFB Instrument: a3ux9.i

Sample Info: 50NG INJECTION OF BFB

Volume Injected (uL): 1.0 Operator: 1819

Column phase: DB624 75M Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	27.11
75	30.00 - 60.00% of mass 95	47.94
96	5.00 - 9.00% of mass 95	7.80
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	65.85
175	5.00 - 9.00% of mass 174	4.85 (7.37)
176	95.00 - 101.00% of mass 174	64.62 (98.13)
177	5.00 - 9.00% of mass 176	4.60 (7.12)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\BFB241.D

Date : 13-JUN-2005 18:52

Client ID: 50NG BFB Instrument: a3ux9.i

Sample Info: 50NG INJECTION OF BFB

Volume Injected (uL): 1.0 Operator: 1819

Column phase: DB624 75M Column diameter: 0.53

Data File: BFB241.D
Spectrum: Avg. Scans 237-239 (3.54), Background Scan 219
Location of Maximum: 95.00
Number of points: 57

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	953	60.00	229	87.00	1825	172.00	175
37.00	3334	61.00	2341	88.00	2038	174.00	30856
38.00	3238	62.00	2355	92.00	1412	175.00	2274
39.00	1221	63.00	1464	93.00	1468	176.00	30280
44.00	172	68.00	4044	94.00	5310	177.00	2157
45.00	2561	69.00	4708	95.00	46856	191.00	415
47.00	1200	70.00	195	96.00	3655	207.00	1199
48.00	529	73.00	24704	106.00	194	221.00	1279
49.00	2563	74.00	8619	117.00	933	251.00	205
50.00	12701	75.00	22464	131.00	491	281.00	8961
51.00	4531	76.00	1947	133.00	734	282.00	2537
52.00	171	77.00	232	143.00	263	283.00	1551
56.00	986	79.00	688	147.00	9040		
57.00	1662	80.00	180	148.00	1367		
59.00	878	81.00	1012	149.00	849		

STL North Canton

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\BFB245.D
Lab Smp Id: 50NG INJECTION OF B Client Smp ID: 50NG BFB
Inj Date : 15-JUN-2005 06:21
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 50NG INJECTION OF BFB
Misc Info : N50615A,BFBUX9,,1819
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\BFBUX9.m
Meth Date : 03-Sep-2002 15:09 target Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 28 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CANPMSV16

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.531	3.500	0.031	95	64448			100.00- 100.00	100.00
3.531	3.500	0.031	50	17992			15.00- 40.00	27.92
3.531	3.500	0.031	75	30200			30.00- 60.00	46.86
3.531	3.500	0.031	96	4513			5.00- 9.00	7.00
3.531	3.500	0.031	173	723			0.00- 2.00	1.45
3.531	3.500	0.031	174	49944			50.00- 120.00	77.50
3.531	3.500	0.031	175	3183			5.00- 9.00	6.37
3.531	3.500	0.031	176	47888			95.00- 101.00	95.88
3.531	3.500	0.031	177	3413			5.00- 9.00	7.13

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\BFB245.D

Page 1

Date : 15-JUN-2005 06:21

Client ID: 50NG BFB

Instrument: a3ux9.i

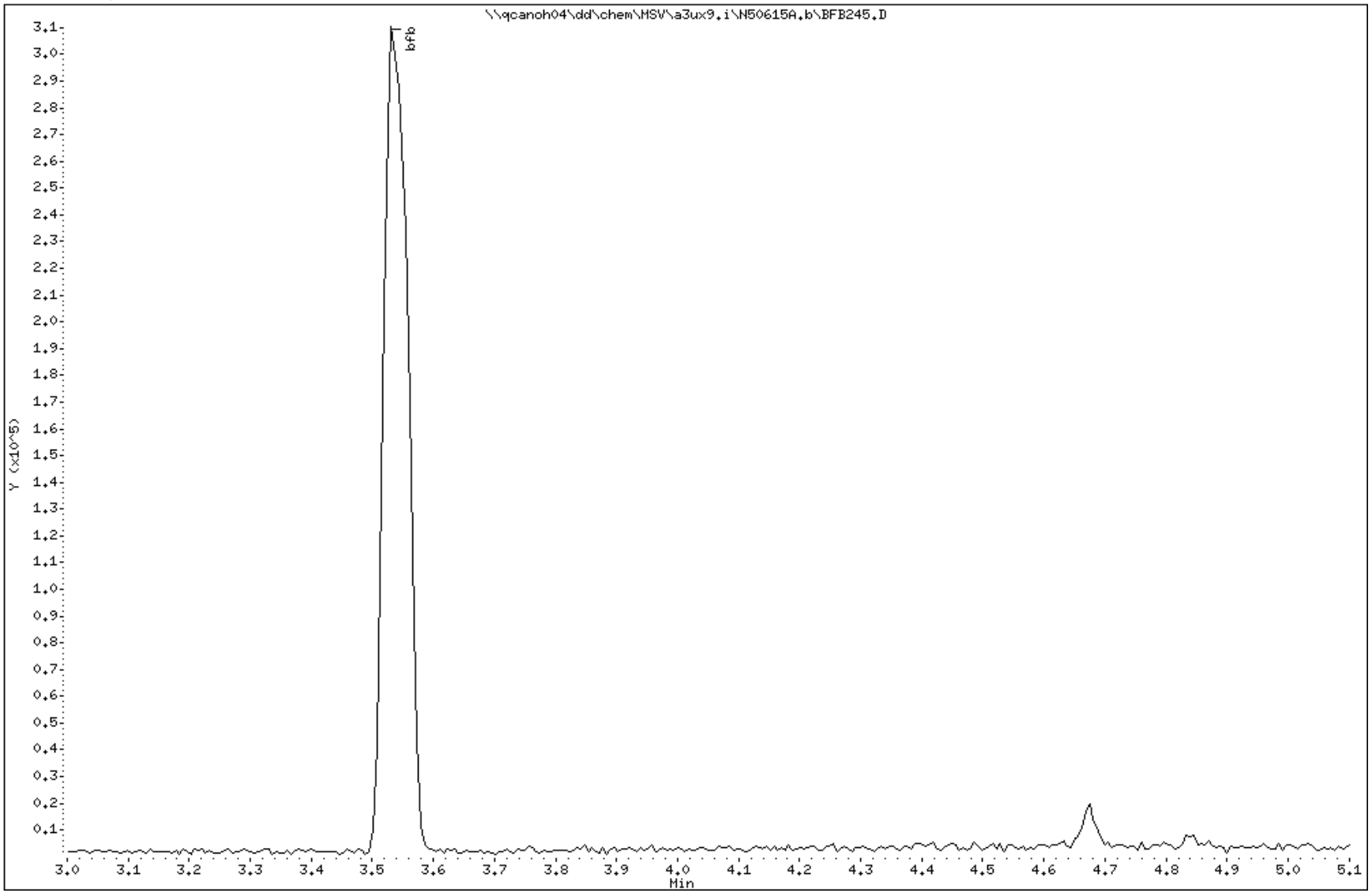
Sample Info: 50NG INJECTION OF BFB

Volume Injected (uL): 1.0

Operator: 1819

Column phase: DB624 75M

Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\BFB245.D

Date : 15-JUN-2005 06:21

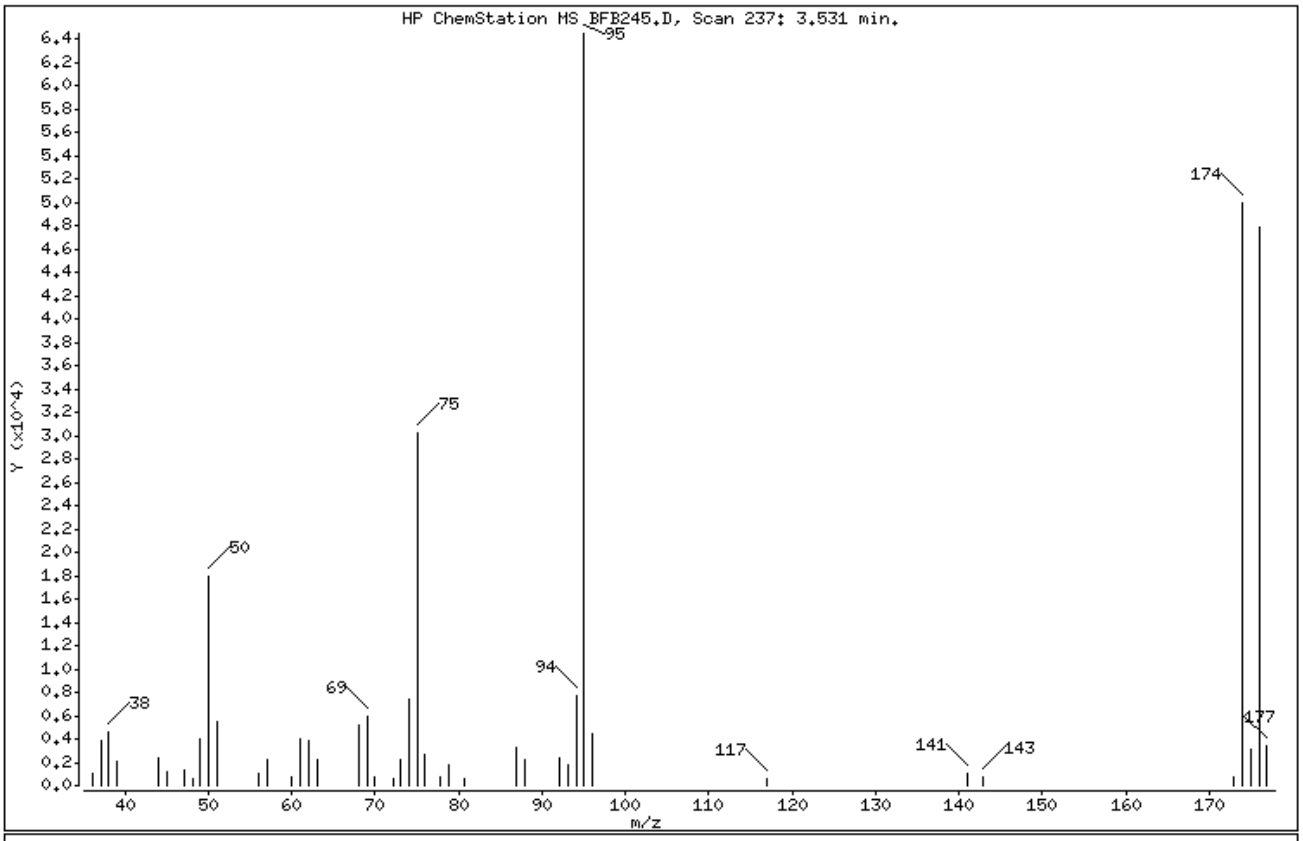
Client ID: 50NG BFB Instrument: a3ux9.i

Sample Info: 50NG INJECTION OF BFB

Volume Injected (uL): 1.0 Operator: 1819

Column phase: DB624 75M Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	27.92
75	30.00 - 60.00% of mass 95	46.86
96	5.00 - 9.00% of mass 95	7.00
173	Less than 2.00% of mass 174	1.12 (1.45)
174	50.00 - 120.00% of mass 95	77.50
175	5.00 - 9.00% of mass 174	4.94 (6.37)
176	95.00 - 101.00% of mass 174	74.30 (95.88)
177	5.00 - 9.00% of mass 176	5.30 (7.13)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\BFB245.D

Date : 15-JUN-2005 06:21

Client ID: 50NG BFB Instrument: a3ux9.i

Sample Info: 50NG INJECTION OF BFB

Volume Injected (uL): 1.0 Operator: 1819

Column phase: DB624 75M Column diameter: 0.53

Data File: BFB245.D
Spectrum: HP ChemStation MS BFB245.D, Scan 237: 3.531 min.
Location of Maximum: 95.00
Number of points: 43

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	993	56.00	1085	74.00	7400	95.00	64448
37.10	3917	57.00	2244	75.00	30200	96.00	4513
38.00	4574	59.90	764	76.00	2644	116.90	589
39.10	2027	61.00	3998	77.70	811	141.00	971
44.10	2321	62.10	3807	78.90	1796	142.80	729
45.00	1157	63.00	2239	80.80	661	173.00	723
47.10	1397	68.00	5113	87.00	3268	174.00	49944
48.10	625	69.10	5871	87.90	2201	174.90	3183
49.00	4037	70.00	783	92.00	2301	176.00	47888
50.00	17992	72.10	585	93.10	1785	176.90	3413
51.00	5476	73.00	2221	94.10	7742		

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A5F030312 **Work Order #...:** HC9LR1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: A5F090000-311 HC9LR1AD-LCSD
Prep Date.....: 06/08/05 **Analysis Date..:** 06/08/05
Prep Batch #...: 5160311
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 g

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**102**	**(75 - 129)**			**SW846 8260B**
	100	**(75 - 129)**	**2.0**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**102**	**(75 - 127)**			**SW846 8260B**
	99	**(75 - 127)**	**2.3**	**(0-22)**	**SW846 8260B**
1,1-Dichloroethene	**98**	**(55 - 142)**			**SW846 8260B**
	100	**(55 - 142)**	**2.1**	**(0-27)**	**SW846 8260B**
Toluene	**103**	**(71 - 130)**			**SW846 8260B**
	102	**(71 - 130)**	**1.2**	**(0-24)**	**SW846 8260B**
Trichloroethene	**106**	**(70 - 131)**			**SW846 8260B**
	106	**(70 - 131)**	**0.69**	**(0-23)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(59 - 138)
	91	(59 - 138)
1,2-Dichloroethane-d4	94	(61 - 130)
	91	(61 - 130)
Toluene-d8	93	(60 - 143)
	92	(60 - 143)
4-Bromofluorobenzene	93	(47 - 158)
	94	(47 - 158)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A5F030312 **Work Order #...:** HC9LR1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: A5F090000-311 HC9LR1AD-LCSD
Prep Date.....: 06/08/05 **Analysis Date..:** 06/08/05
Prep Batch #...: 5160311
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 g

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**50**	**51**	**ug/kg**	**102**		**SW846 8260B**
	50	**50**	**ug/kg**	**100**	**2.0**	**SW846 8260B**
Chlorobenzene	**50**	**51**	**ug/kg**	**102**		**SW846 8260B**
	50	**50**	**ug/kg**	**99**	**2.3**	**SW846 8260B**
1,1-Dichloroethene	**50**	**49**	**ug/kg**	**98**		**SW846 8260B**
	50	**50**	**ug/kg**	**100**	**2.1**	**SW846 8260B**
Toluene	**50**	**51**	**ug/kg**	**103**		**SW846 8260B**
	50	**51**	**ug/kg**	**102**	**1.2**	**SW846 8260B**
Trichloroethene	**50**	**53**	**ug/kg**	**106**		**SW846 8260B**
	50	**53**	**ug/kg**	**106**	**0.69**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(59 - 138)
	91	(59 - 138)
1,2-Dichloroethane-d4	94	(61 - 130)
	91	(61 - 130)
Toluene-d8	93	(60 - 143)
	92	(60 - 143)
4-Bromofluorobenzene	93	(47 - 158)
	94	(47 - 158)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71022.D
Report Date: 08-Jun-2005 11:21

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71022.D
Lab Smp Id: CHECK
Inj Date : 08-JUN-2005 11:42
Operator : 2807 Inst ID: a3ux7.i
Smp Info : CHECK
Misc Info : U50608A,8260SUX7,1-8260.SUB,2807,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\8260SUX7.m
Meth Date : 08-Jun-2005 10:36 macenczaks Quant Type: ISTD
Cal Date : 04-JUN-2005 18:06 Cal File: UX70952.D
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Fluorobenzene	96	4.772	4.771	(1.000)	1129809	250.000	
* 2 Chlorobenzene-d5	117	7.424	7.418	(1.000)	740789	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.650	9.650	(1.000)	341978	250.000	
$ 4 Dibromofluoromethane	113	4.212	4.212	(0.883)	262390	227.753	45.551
$ 5 1,2-Dichloroethane-d4	65	4.492	4.492	(0.941)	307431	234.591	46.918
$ 6 Toluene-d8	98	6.122	6.122	(1.283)	1151784	232.056	46.411
$ 7 Bromofluorobenzene	95	8.525	8.525	(1.148)	407277	233.648	46.730
8 Dichlorodifluoromethane	85	1.340	1.334	(0.281)	182642	162.180	32.436
9 Chloromethane	50	1.462	1.456	(0.306)	366195	221.812	44.362
10 Vinyl Chloride	62	1.547	1.541	(0.324)	344748	235.287	47.057
11 Bromomethane	94	1.791	1.791	(0.375)	164719	229.771	45.954
12 Chloroethane	64	1.870	1.864	(0.392)	188950	234.227	46.845
13 Trichlorofluoromethane	101	2.052	2.052	(0.430)	409707	273.189	54.638
15 Acrolein	56	2.356	2.356	(0.494)	443952	2609.85	521.97
16 Acetone	43	2.478	2.472	(0.519)	100821	154.410	30.882
17 1,1-Dichloroethene	96	2.460	2.454	(0.516)	300332	244.111	48.822
18 Freon-113	151	2.466	2.466	(0.517)	234807	261.364	52.273
19 Iodomethane	142	2.594	2.569	(0.544)	2499	1.36175	0.2723
20 Carbon Disulfide	76	2.636	2.630	(0.553)	1157212	244.279	48.856
21 Methylene Chloride	84	2.819	2.819	(0.591)	391473	246.325	49.265

22 Acetonitrile	41	2.685	2.679 (0.563)	440325	2390.15	478.03
23 Acrylonitrile	53	2.995	2.995 (0.628)	1295199	2571.34	514.27

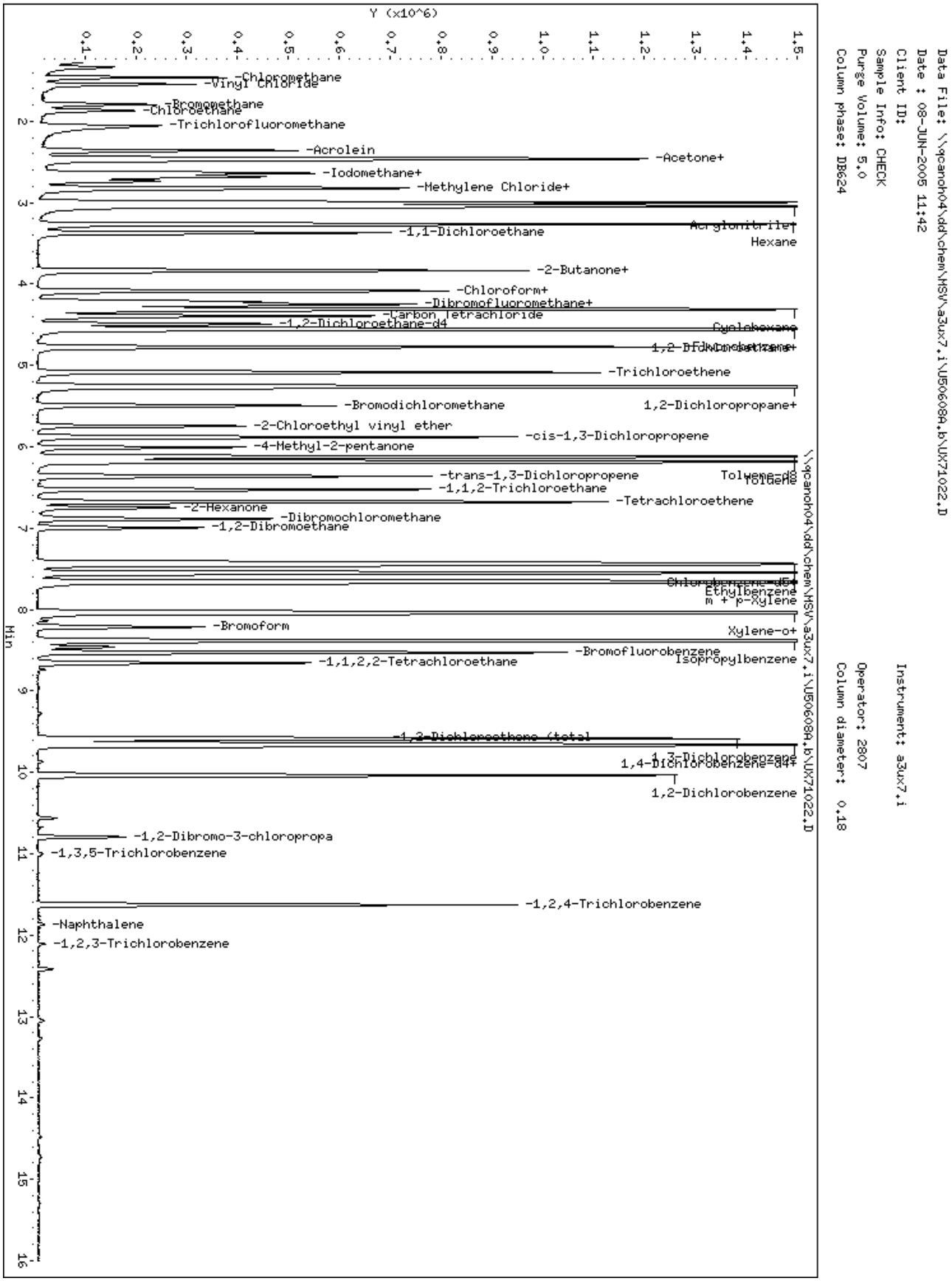
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71022.D
Report Date: 08-Jun-2005 11:21

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	24 Methyl tert-butyl ether	73	3.044	3.044	(0.638)	799810	274.685	54.937
	25 trans-1,2-Dichloroethene	96	3.044	3.038	(0.638)	386132	250.851	50.170
	26 Hexane	86	3.263	3.263	(0.684)	118768	307.477	61.495
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.372	3.366	(0.707)	699087	259.994	51.999
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	3.835	3.835	(0.804)	151356	191.476	38.295
M	31 1,2-Dichloroethene (total)	96				771051	511.936	102.39
	32 cis-1,2-dichloroethene	96	3.835	3.829	(0.804)	384919	261.315	52.263
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.084	4.084	(0.856)	593980	256.326	51.265
	36 Tetrahydrofuran	42	4.078	4.072	(0.855)	28696	54.3801	10.876
	37 1,1,1-Trichloroethane	97	4.248	4.248	(0.890)	481451	265.164	53.033
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.388	4.388	(0.920)	435092	271.106	54.221
	40 1,2-Dichloroethane	62	4.553	4.552	(0.954)	431912	263.753	52.750
	41 Benzene	78	4.553	4.552	(0.954)	1536642	255.273	51.054
	42 Trichloroethene	130	5.082	5.082	(1.065)	390310	265.616	53.123
	43 1,2-Dichloropropane	63	5.264	5.264	(1.103)	373627	256.392	51.278
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.489	5.489	(1.150)	407426	251.976	50.395
	48 cis-1,3-Dichloropropene	75	5.879	5.879	(1.232)	515507	273.745	54.749
	49 4-Methyl-2-pentanone	43	6.006	6.006	(1.259)	312957	249.872	49.974
	47 2-Chloroethyl vinyl ether	63	5.745	5.745	(1.204)	167487	278.150	55.630
	50 Toluene	91	6.183	6.183	(0.833)	1552992	256.725	51.345
	51 trans-1,3-Dichloropropene	75	6.359	6.359	(0.857)	417209	269.175	53.835
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.524	6.524	(0.879)	262284	255.845	51.169
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.676	6.676	(0.899)	295167	263.546	52.709
	56 2-Hexanone	43	6.749	6.749	(0.909)	210104	205.296	41.059
	57 Dibromochloromethane	129	6.889	6.882	(0.928)	272702	258.139	51.628
	58 1,2-Dibromoethane	107	6.992	6.992	(0.942)	251477	260.628	52.126
	59 Chlorobenzene	112	7.448	7.448	(1.003)	928084	254.021	50.804
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.552	7.552	(1.017)	554668	265.941	53.188
	62 m + p-Xylene	106	7.661	7.661	(1.032)	1333243	519.633	103.93
M	63 Xylenes (total)	106				1949509	775.625	155.12
	64 Xylene-o	106	8.032	8.032	(1.082)	616266	255.826	51.165
	65 Styrene	104	8.038	8.038	(1.083)	1029018	254.619	50.924
	66 Bromoform	173	8.215	8.215	(1.107)	183905	264.568	52.914
	67 Isopropylbenzene	105	8.385	8.385	(1.129)	1673203	284.919	56.984
	68 1,1,2,2-Tetrachloroethane	83	8.653	8.653	(0.897)	318199	262.647	52.529
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71022.D
Report Date: 08-Jun-2005 11:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.584	9.584	(0.993)	651900	255.146	51.029
81 1,4-Dichlorobenzene	146	9.675	9.669	(1.003)	665788	251.486	50.297
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.034	10.034	(1.040)	589199	247.677	49.535
84 1,2-Dibromo-3-chloropropane	157	10.794	10.794	(1.119)	53222	246.476	49.295
85 1,2,4-Trichlorobenzene	180	11.628	11.628	(1.205)	322045	246.990	49.398
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	11.865	11.865	(1.229)	12864	16.7528	3.350
88 1,2,3-Trichlorobenzene	180	12.108	12.108	(1.255)	5868	4.57940	0.9159
98 Cyclohexane	56	4.309	4.309	(0.903)	814954	257.695	51.539
143 Methyl Acetate	43	2.734	2.734	(0.573)	257489	246.812	49.362
144 Methylcyclohexane	83	5.258	5.258	(1.102)	730951	264.339	52.868
141 1,3,5-Trichlorobenzene	180	11.019	11.019	(1.142)	3285	1.98840	0.3977


Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71022.D
Date : 08-JUN-2005 11:42
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux7.i
Operator: 2807
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride+
Acrylonitrile+
-1,1-Dichloroethane
Hexane
-2-Butanone+
-Chloroform+
-Dibromofluoromethane+
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
Cyclohexane
1,2-Dichloroethane+
-Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-trans-1,3-Dichloropropene
Toluene-d8
Toluene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o+
-Bromofluorobenzene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
-1,2-Dichloroethane (total
1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71022.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71023.D
Report Date: 08-Jun-2005 12:28

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71023.D
Lab Smp Id: CHECKDUP
Inj Date : 08-JUN-2005 12:06
Operator : 2807 Inst ID: a3ux7.i
Smp Info : CHECKDUP
Misc Info : U50608A,8260SUX7,1-8260.SUB,2807,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\8260SUX7.m
Meth Date : 08-Jun-2005 10:36 macenczaks Quant Type: ISTD
Cal Date : 04-JUN-2005 18:06 Cal File: UX70952.D
Als bottle: 4 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Fluorobenzene	96	4.777	4.771	(1.000)	1068963	250.000	
* 2 Chlorobenzene-d5	117	7.423	7.418	(1.000)	704158	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.649	9.650	(1.000)	326175	250.000	
$ 4 Dibromofluoromethane	113	4.211	4.212	(0.882)	248789	228.240	45.648
$ 5 1,2-Dichloroethane-d4	65	4.491	4.492	(0.940)	280836	226.495	45.299
$ 6 Toluene-d8	98	6.121	6.122	(1.281)	1084971	231.038	46.208
$ 7 Bromofluorobenzene	95	8.524	8.525	(1.148)	387809	234.053	46.810
8 Dichlorodifluoromethane	85	1.333	1.334	(0.279)	176695	165.830	33.166
9 Chloromethane	50	1.455	1.456	(0.305)	362328	231.962	46.392
10 Vinyl Chloride	62	1.546	1.541	(0.324)	335895	242.294	48.459
11 Bromomethane	94	1.790	1.791	(0.375)	167649	247.170	49.434
12 Chloroethane	64	1.863	1.864	(0.390)	194726	255.127	51.025
13 Trichlorofluoromethane	101	2.057	2.052	(0.431)	378225	266.552	53.310
15 Acrolein	56	2.355	2.356	(0.493)	426713	2651.29	530.26
16 Acetone	43	2.471	2.472	(0.517)	99089	161.536	32.307
17 1,1-Dichloroethene	96	2.459	2.454	(0.515)	290123	249.236	49.847
18 Freon-113	151	2.465	2.466	(0.516)	227597	267.758	53.552
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.635	2.630	(0.552)	949690	211.884	42.377
21 Methylene Chloride	84	2.818	2.819	(0.590)	365588	242.796	48.559

22 Acetonitrile	41	2.684	2.679 (0.562)	408276	2342.33	468.46
23 Acrylonitrile	53	3.000	2.995 (0.628)	1206212	2530.98	506.20

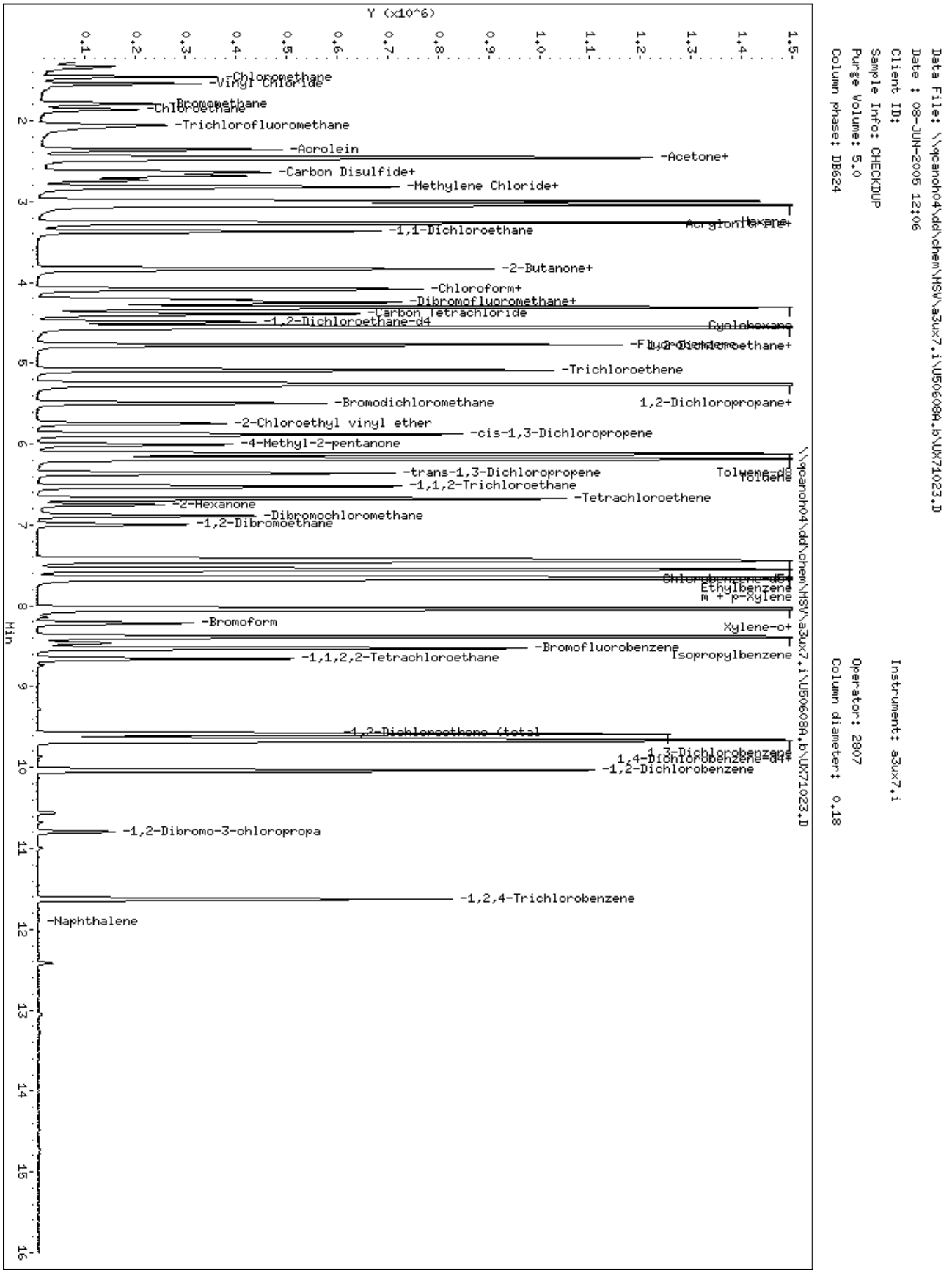
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71023.D
Report Date: 08-Jun-2005 12:28

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	24 Methyl tert-butyl ether	73	3.043	3.044	(0.637)	748856	271.825	54.365
	25 trans-1,2-Dichloroethene	96	3.043	3.038	(0.637)	369596	253.775	50.755
	26 Hexane	86	3.268	3.263	(0.684)	111547	305.220	61.044
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.371	3.366	(0.706)	662143	260.272	52.054
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	3.834	3.835	(0.803)	139466	186.477	37.295
M	31 1,2-Dichloroethene (total)	96				734662	515.540	103.11
	32 cis-1,2-dichloroethene	96	3.834	3.829	(0.803)	365066	261.945	52.389
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.083	4.084	(0.855)	558427	254.700	50.940
	36 Tetrahydrofuran	42	4.077	4.072	(0.854)	21140	38.5055	7.701
	37 1,1,1-Trichloroethane	97	4.247	4.248	(0.889)	450878	262.461	52.492
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.393	4.388	(0.920)	406385	267.632	53.526
	40 1,2-Dichloroethane	62	4.551	4.552	(0.953)	404645	261.167	52.233
	41 Benzene	78	4.551	4.552	(0.953)	1425388	250.269	50.054
	42 Trichloroethene	130	5.081	5.082	(1.064)	366737	263.779	52.756
	43 1,2-Dichloropropane	63	5.263	5.264	(1.102)	351643	255.041	51.008
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.494	5.489	(1.150)	389959	254.902	50.980
	48 cis-1,3-Dichloropropene	75	5.878	5.879	(1.231)	472159	264.997	52.999
	49 4-Methyl-2-pentanone	43	6.005	6.006	(1.257)	290413	245.071	49.014
	47 2-Chloroethyl vinyl ether	63	5.744	5.745	(1.202)	151898	266.620	53.324
	50 Toluene	91	6.182	6.183	(0.833)	1459277	253.783	50.756
	51 trans-1,3-Dichloropropene	75	6.358	6.359	(0.857)	389558	264.410	52.882
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.522	6.524	(0.879)	246105	252.551	50.510
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.675	6.676	(0.899)	271944	255.442	51.088
	56 2-Hexanone	43	6.748	6.749	(0.909)	199797	205.380	41.076
	57 Dibromochloromethane	129	6.887	6.882	(0.928)	250162	249.121	49.824
	58 1,2-Dibromoethane	107	6.997	6.992	(0.943)	234147	255.291	51.058
	59 Chlorobenzene	112	7.447	7.448	(1.003)	861736	248.131	49.626
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.551	7.552	(1.017)	507886	256.179	51.236
	62 m + p-Xylene	106	7.660	7.661	(1.032)	1226362	502.841	100.57
M	63 Xylenes (total)	106				1809484	757.366	151.47
	64 Xylene-o	106	8.031	8.032	(1.082)	583122	254.660	50.932
	65 Styrene	104	8.043	8.038	(1.084)	962307	250.499	50.100
	66 Bromoform	173	8.214	8.215	(1.107)	174130	263.537	52.707
	67 Isopropylbenzene	105	8.384	8.385	(1.129)	1550009	277.672	55.534
	68 1,1,2,2-Tetrachloroethane	83	8.652	8.653	(0.897)	299433	259.132	51.826
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71023.D
Report Date: 08-Jun-2005 12:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.582	9.584	(0.993)	593198	243.419	48.684
81 1,4-Dichlorobenzene	146	9.668	9.669	(1.002)	617924	244.715	48.943
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.039	10.034	(1.040)	551033	242.856	48.571
84 1,2-Dibromo-3-chloropropane	157	10.799	10.794	(1.119)	50483	245.122	49.024
85 1,2,4-Trichlorobenzene	180	11.626	11.628	(1.205)	288605	232.067	46.413
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	11.870	11.865	(1.230)	2541	14.0883	2.818
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.308	4.309	(0.902)	763842	255.281	51.056
143 Methyl Acetate	43	2.732	2.734	(0.572)	243928	247.123	49.424
144 Methylcyclohexane	83	5.257	5.258	(1.101)	680898	260.254	52.051
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					


Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71023.D
Date : 08-JUN-2005 12:06
Client ID:
Sample Info: CHECKDUP
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux7.i
Operator: 2807
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform+
-Dibromofluoromethane+
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
Cyclohexane
-Fluorobenzene
-1,2-Dichloroethane+
-Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-trans-1,3-Dichloropropene
Toluene-d8
Toluene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o+
-Bromofluorobenzene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
-1,2-Dichloroethane (total
1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Naphthalene
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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A5F030312 **Work Order #...:** HDPHL1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5F160000-040 HDPHL1AD-LCSD
Prep Date.....: 06/15/05 **Analysis Date..:** 06/15/05
Prep Batch #...: 5167040
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**103**	**(80 - 116)**			**SW846 8260B**
	103	**(80 - 116)**	**0.29**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**103**	**(76 - 117)**			**SW846 8260B**
	102	**(76 - 117)**	**1.6**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**111**	**(63 - 130)**			**SW846 8260B**
	109	**(63 - 130)**	**1.5**	**(0-20)**	**SW846 8260B**
Toluene	**103**	**(74 - 119)**			**SW846 8260B**
	104	**(74 - 119)**	**0.86**	**(0-20)**	**SW846 8260B**
Trichloroethene	**106**	**(75 - 122)**			**SW846 8260B**
	106	**(75 - 122)**	**0.39**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(73 - 122)
	106	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
	105	(61 - 128)
Toluene-d8	105	(76 - 110)
	103	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)
	97	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A5F030312 **Work Order #...:** HDPHL1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5F160000-040 HDPHL1AD-LCSD
Prep Date.....: 06/15/05 **Analysis Date..:** 06/15/05
Prep Batch #...: 5167040
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**10**	**10**	**ug/L**	**103**		**SW846 8260B**
	10	**10**	**ug/L**	**103**	**0.29**	**SW846 8260B**
Chlorobenzene	**10**	**10**	**ug/L**	**103**		**SW846 8260B**
	10	**10**	**ug/L**	**102**	**1.6**	**SW846 8260B**
1,1-Dichloroethene	**10**	**11**	**ug/L**	**111**		**SW846 8260B**
	10	**11**	**ug/L**	**109**	**1.5**	**SW846 8260B**
Toluene	**10**	**10**	**ug/L**	**103**		**SW846 8260B**
	10	**10**	**ug/L**	**104**	**0.86**	**SW846 8260B**
Trichloroethene	**10**	**11**	**ug/L**	**106**		**SW846 8260B**
	10	**11**	**ug/L**	**106**	**0.39**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(73 - 122)
	106	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
	105	(61 - 128)
Toluene-d8	105	(76 - 110)
	103	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)
	97	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94109.D
Report Date: 16-Jun-2005 07:55

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94109.D
Lab Smp Id: CHECK
Inj Date : 15-JUN-2005 07:29
Operator : 1819 Inst ID: a3ux9.i
Smp Info : CHECK
Misc Info : N50615A,8260MIUX9,2-8260.SUB,1819,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50615A.b\8260MIUX9.m
Meth Date : 15-Jun-2005 07:22 Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.099	5.097	(1.000)	829124	50.0000	
* 2 Chlorobenzene-d5	117	7.749	7.748	(1.000)	589258	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.986	9.984	(1.000)	233259	50.0000	
$ 4 Dibromofluoromethane	113	4.542	4.541	(0.891)	178953	53.3364	10.667
$ 5 1,2-Dichloroethane-d4	65	4.826	4.825	(0.947)	234433	50.9240	10.185
$ 6 Toluene-d8	98	6.447	6.446	(0.832)	880307	52.4191	10.484
$ 7 Bromofluorobenzene	95	8.850	8.848	(1.142)	293498	48.3951	9.679
8 Dichlorodifluoromethane	85	1.584	1.583	(0.311)	221333	51.2694	10.254
9 Chloromethane	50	1.738	1.737	(0.341)	434962	56.1107	11.222
10 Vinyl Chloride	62	1.821	1.832	(0.357)	318675	54.8107	10.962
11 Bromomethane	94	2.117	2.127	(0.415)	125112	62.5363	12.507
12 Chloroethane	64	2.235	2.210	(0.438)	171307	60.5791	12.116
13 Trichlorofluoromethane	101	2.353	2.352	(0.462)	253377	52.7500	10.550
15 Acrolein	56	2.673	2.672	(0.524)	437682	575.414	115.08(A)
16 Acetone	43	2.791	2.790	(0.547)	88079	31.2385	6.248
17 1,1-Dichloroethene	61	2.768	2.766	(0.543)	404926	55.3371	11.067
18 Freon-113	151	2.815	2.826	(0.552)	159624	56.9601	11.392
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.969	2.968	(0.582)	733469	53.6595	10.732
21 Methylene Chloride	84	3.146	3.145	(0.617)	244881	49.5778	9.916

22 Acetonitrile	41	3.016	3.015 (0.592)	341904	468.160	93.632(A)
23 Acrylonitrile	53	3.324	3.323 (0.652)	897164	495.104	99.021(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94109.D
Report Date: 16-Jun-2005 07:55

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.359	3.358	(0.659)	509310	48.2375	9.647
	25 trans-1,2-Dichloroethene	61	3.371	3.370	(0.661)	392580	52.8598	10.572
	26 Hexane	57	3.584	3.583	(0.703)	512959	57.4400	11.488
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.702	3.701	(0.726)	467520	51.7076	10.342
	29 tert-Butyl Alcohol	59	3.205	3.204	(0.629)	11654	33.4647	6.693
	30 2-Butanone	43	4.164	4.163	(0.817)	109944	35.7676	7.154
M	31 1,2-Dichloroethene (total)	61				751904	98.5354	19.707
	32 cis-1,2-dichloroethene	61	4.164	4.163	(0.817)	359324	45.6755	9.135
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.412	4.411	(0.865)	351697	50.9343	10.187
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.578	4.577	(0.898)	278134	50.5795	10.116
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.720	4.719	(0.926)	230256	52.3098	10.462
	40 1,2-Dichloroethane	62	4.886	4.884	(0.958)	316958	50.0036	10.001
	41 Benzene	78	4.886	4.884	(0.958)	993783	51.5388	10.308
	42 Trichloroethene	130	5.406	5.405	(1.060)	236809	52.8301	10.566
	43 1,2-Dichloropropane	63	5.596	5.594	(1.097)	274250	51.2209	10.244
	44 1,4-Dioxane	88	5.702	5.701	(1.118)	6028	159.561	31.912
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.820	5.819	(1.142)	227219	47.5503	9.510
	48 cis-1,3-Dichloropropene	75	6.199	6.198	(1.216)	328283	45.4883	9.098
	49 4-Methyl-2-pentanone	43	6.317	6.316	(1.239)	222462	43.7738	8.755
	50 Toluene	91	6.507	6.506	(0.840)	1066287	51.3539	10.271
	51 trans-1,3-Dichloropropene	75	6.684	6.683	(0.863)	265626	49.8953	9.979
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.850	6.849	(0.884)	176806	49.9544	9.991
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.004	7.003	(0.904)	194743	53.5204	10.704
	56 2-Hexanone	43	7.063	7.062	(0.911)	138990	29.6671	5.933
	57 Dibromochloromethane	129	7.217	7.216	(0.931)	149626	44.7882	8.958
	58 1,2-Dibromoethane	107	7.323	7.322	(0.945)	162033	52.0802	10.416
	59 Chlorobenzene	112	7.773	7.772	(1.003)	675853	51.7452	10.349
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	7.867	7.866	(1.015)	1196731	52.4766	10.495
	62 m + p-Xylene	91	7.974	7.973	(1.029)	1832900	103.004	20.601
M	63 Xylenes (total)	91				2740695	153.624	30.725
	64 Xylene-o	91	8.353	8.352	(1.078)	907795	50.6197	10.124
	65 Styrene	104	8.364	8.363	(1.079)	654164	45.5981	9.120
	66 Bromoform	173	8.542	8.553	(1.102)	81873	44.1835	8.837
	67 Isopropylbenzene	105	8.708	8.706	(1.124)	1130004	54.1839	10.837
	68 1,1,2,2-Tetrachloroethane	83	8.980	8.979	(0.899)	196028	50.5681	10.114
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

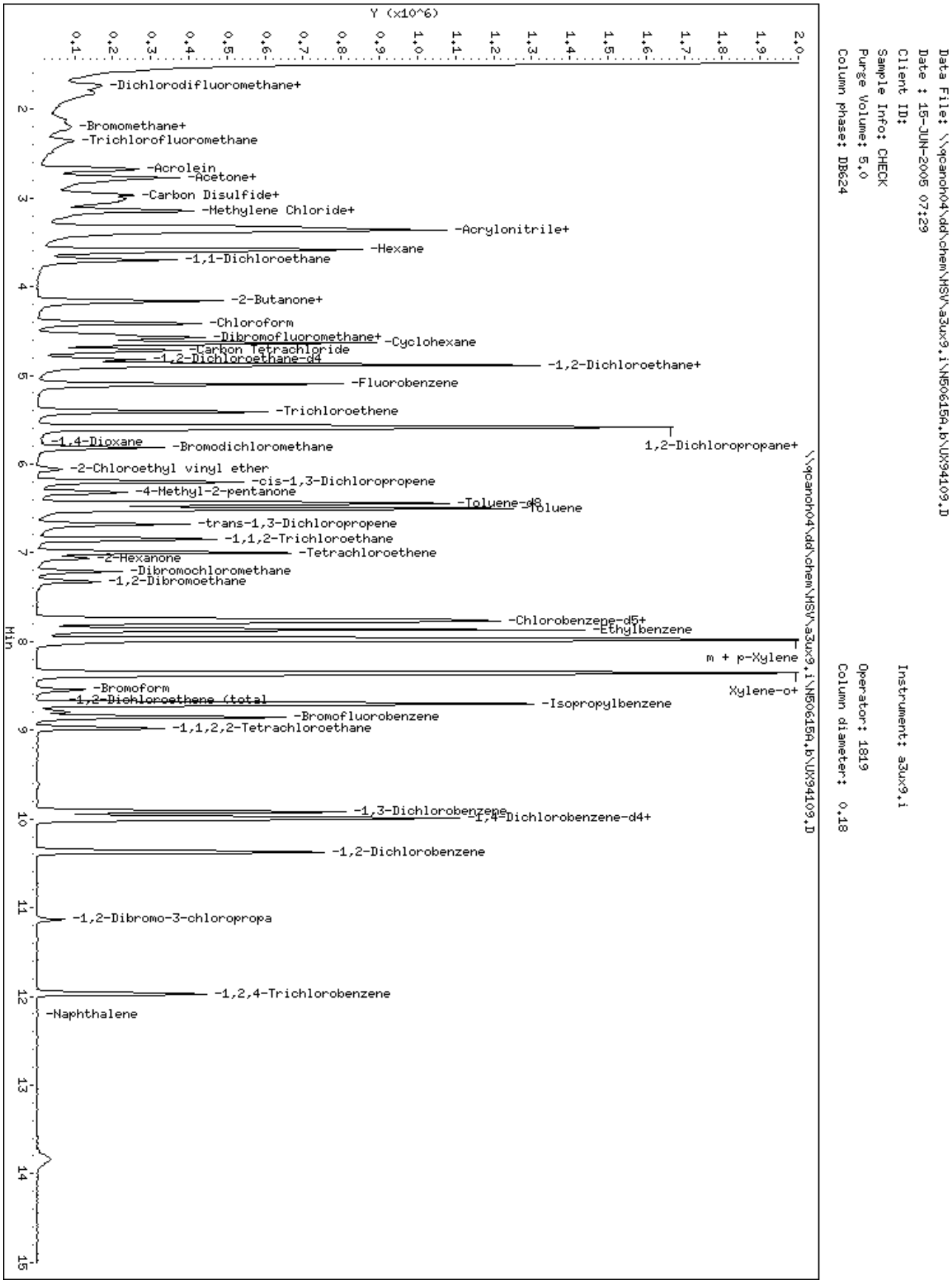
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94109.D
Report Date: 16-Jun-2005 07:55

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.915	9.925	(0.993)	418558	50.8980	10.180
81 1,4-Dichlorobenzene	146	10.009	10.008	(1.002)	430212	51.8607	10.372
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.376	10.375	(1.039)	400881	52.0471	10.409
84 1,2-Dibromo-3-chloropropane	157	11.133	11.144	(1.115)	20179	43.2035	8.641
85 1,2,4-Trichlorobenzene	180	11.973	11.972	(1.199)	165287	44.2089	8.842
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	12.210	12.209	(1.223)	1981	4.62535	0.9251
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.637	4.636	(0.909)	581605	51.7272	10.345
143 Methyl Acetate	43	3.051	3.050	(0.599)	178949	46.7957	9.359
144 Methylcyclohexane	83	5.584	5.583	(1.095)	441202	50.2662	10.053
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
47 2-Chloroethyl vinyl ether	63	6.057	6.056	(1.188)	34080	30.0370	6.007

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94109.D
Date : 15-JUN-2005 07:29
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
1,2-Dichloropropane+
-1,4-Dioxane
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-Ethylbenzene
m + p-Xylene
Xylene-o+
-Bromoform
-1,2-Dichloroethene (total
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Naphthalene
\\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94109.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94111.D
Report Date: 16-Jun-2005 07:57

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94111.D
Lab Smp Id: CHECK
Inj Date : 15-JUN-2005 08:13
Operator : 1819 Inst ID: a3ux9.i
Smp Info : CHECK
Misc Info : N50615A,8260MIUX9,2-8260.SUB,1819,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50615A.b\8260MIUX9.m
Meth Date : 15-Jun-2005 07:22 Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 5 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.100	5.097	(1.000)	827391	50.0000	
* 2 Chlorobenzene-d5	117	7.751	7.748	(1.000)	593716	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.987	9.984	(1.000)	241148	50.0000	
$ 4 Dibromofluoromethane	113	4.544	4.541	(0.891)	176884	52.8302	10.566
$ 5 1,2-Dichloroethane-d4	65	4.816	4.825	(0.944)	241451	52.5583	10.512
$ 6 Toluene-d8	98	6.449	6.446	(0.832)	869608	51.3932	10.279
$ 7 Bromofluorobenzene	95	8.851	8.848	(1.142)	297495	48.6858	9.737
8 Dichlorodifluoromethane	85	1.598	1.583	(0.313)	217254	50.4572	10.091
9 Chloromethane	50	1.740	1.737	(0.341)	435674	56.3203	11.264
10 Vinyl Chloride	62	1.835	1.832	(0.360)	312797	53.9124	10.782
11 Bromomethane	94	2.130	2.127	(0.418)	126683	63.4542	12.691
12 Chloroethane	64	2.213	2.210	(0.434)	172212	61.0453	12.209
13 Trichlorofluoromethane	101	2.355	2.352	(0.462)	250511	52.2721	10.454
15 Acrolein	56	2.675	2.672	(0.524)	429253	565.514	113.10(A)
16 Acetone	43	2.793	2.790	(0.548)	94656	33.6414	6.728
17 1,1-Dichloroethene	61	2.769	2.766	(0.543)	397977	54.5014	10.900
18 Freon-113	151	2.829	2.826	(0.555)	161811	57.8615	11.572
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.959	2.968	(0.580)	740708	54.3026	10.860
21 Methylene Chloride	84	3.148	3.145	(0.617)	245971	49.9277	9.986

22 Acetonitrile	41	3.018	3.015 (0.592)	331878	455.383	91.077(A)
23 Acrylonitrile	53	3.326	3.323 (0.652)	878434	485.784	97.157(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94111.D
Report Date: 16-Jun-2005 07:57

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.361	3.358	(0.659)	519484	49.3041	9.861
	25 trans-1,2-Dichloroethene	61	3.373	3.370	(0.661)	389015	52.4895	10.498
	26 Hexane	57	3.586	3.583	(0.703)	504346	56.5938	11.319
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.704	3.701	(0.726)	464880	51.5233	10.305
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.154	4.163	(0.814)	104398	34.0345	6.807
M	31 1,2-Dichloroethene (total)	61				754296	99.0195	19.804
	32 cis-1,2-dichloroethene	61	4.166	4.163	(0.817)	365281	46.5300	9.306
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.414	4.411	(0.865)	349158	50.6725	10.134
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.580	4.577	(0.898)	273038	49.7567	9.951
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.722	4.719	(0.926)	231905	52.7948	10.559
	40 1,2-Dichloroethane	62	4.887	4.884	(0.958)	320324	50.6405	10.128
	41 Benzene	78	4.887	4.884	(0.958)	988839	51.3898	10.278
	42 Trichloroethene	130	5.408	5.405	(1.060)	237244	53.0380	10.608
	43 1,2-Dichloropropane	63	5.586	5.594	(1.095)	280053	52.4142	10.483
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.822	5.819	(1.142)	229478	48.1236	9.625
	48 cis-1,3-Dichloropropene	75	6.201	6.198	(1.216)	323875	44.9947	8.999
	49 4-Methyl-2-pentanone	43	6.319	6.316	(1.239)	227467	44.8524	8.970
	50 Toluene	91	6.509	6.506	(0.840)	1083744	51.8027	10.360
	51 trans-1,3-Dichloropropene	75	6.686	6.683	(0.863)	259501	48.3788	9.676
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.852	6.849	(0.884)	180051	50.4892	10.098
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.994	7.003	(0.902)	196317	53.5479	10.710
	56 2-Hexanone	43	7.053	7.062	(0.910)	137546	29.0872	5.817
	57 Dibromochloromethane	129	7.219	7.216	(0.931)	149122	44.3250	8.865
	58 1,2-Dibromoethane	107	7.325	7.322	(0.945)	158109	50.4374	10.087
	59 Chlorobenzene	112	7.775	7.772	(1.003)	670438	50.9452	10.189
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	7.869	7.866	(1.015)	1179514	51.3333	10.267
	62 m + p-Xylene	91	7.976	7.973	(1.029)	1837855	102.507	20.501
M	63 Xylenes (total)	91				2746419	152.790	30.558
	64 Xylene-o	91	8.355	8.352	(1.078)	908564	50.2822	10.056
	65 Styrene	104	8.366	8.363	(1.079)	650375	45.0351	9.007
	66 Bromoform	173	8.544	8.553	(1.102)	81732	43.8118	8.762
	67 Isopropylbenzene	105	8.698	8.706	(1.122)	1128341	53.6979	10.740
	68 1,1,2,2-Tetrachloroethane	83	8.982	8.979	(0.899)	195551	48.7947	9.759
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

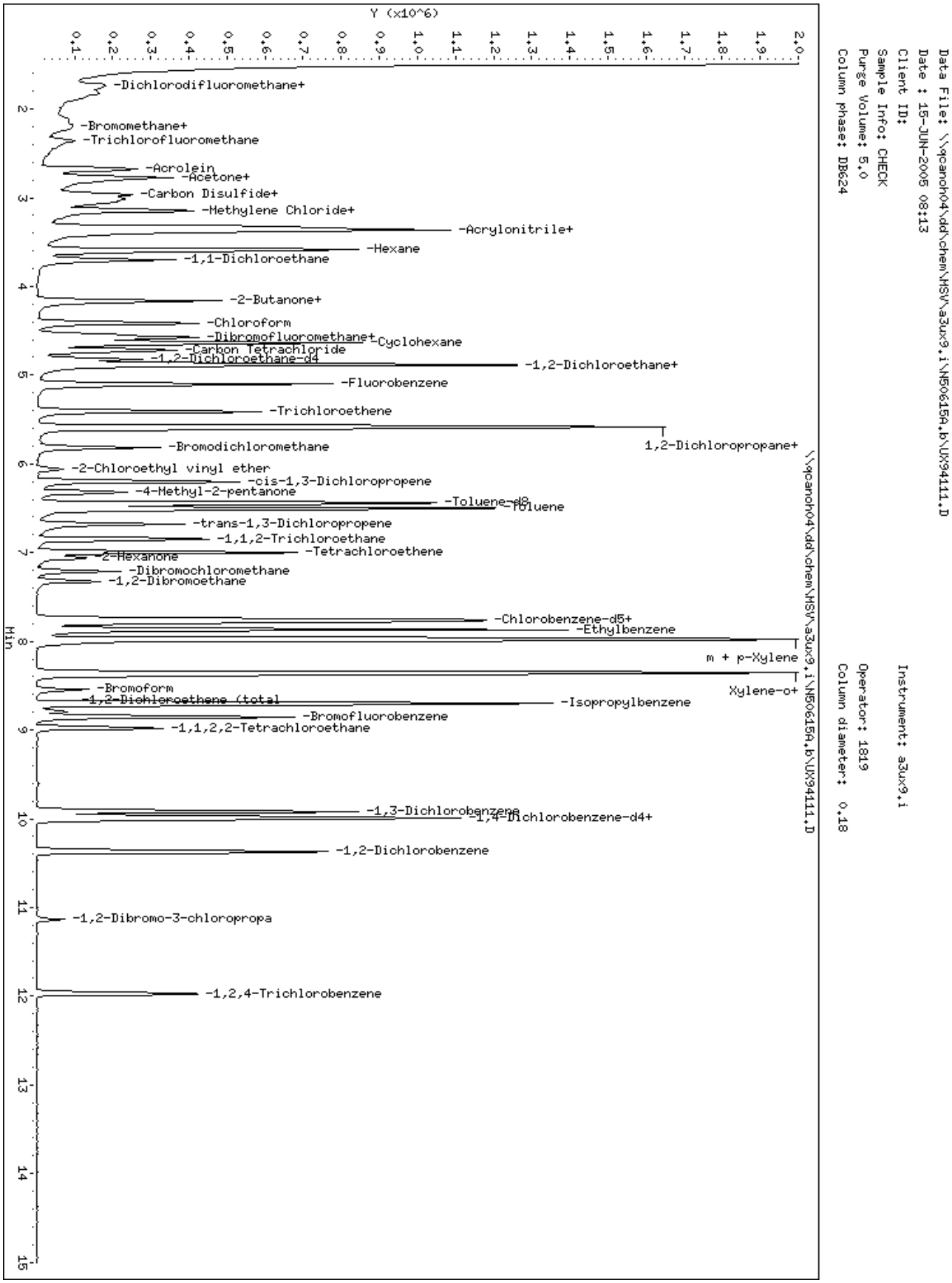
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94111.D
Report Date: 16-Jun-2005 07:57

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.916	9.925	(0.993)	422092	49.6486	9.930
81 1,4-Dichlorobenzene	146	9.999	10.008	(1.001)	417574	48.6905	9.738
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.378	10.375	(1.039)	395312	49.6451	9.929
84 1,2-Dibromo-3-chloropropane	157	11.135	11.144	(1.115)	18823	38.9819	7.796
85 1,2,4-Trichlorobenzene	180	11.975	11.972	(1.199)	169190	43.7724	8.754
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.639	4.636	(0.910)	569502	50.7569	10.151
143 Methyl Acetate	43	3.053	3.050	(0.599)	179823	47.1228	9.424
144 Methylcyclohexane	83	5.586	5.583	(1.095)	432947	49.4290	9.886
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
47 2-Chloroethyl vinyl ether	63	6.059	6.056	(1.188)	33848	29.9321	5.986

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 15-JUN-2005 08:13
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-Ethylbenzene
m + p-Xylene
Xylene-o+
-Bromoform
-1,2-Dichloroethene (total
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94111.D

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5F030312 **Work Order #...:** HC9LR1AA **Matrix.....:** SOLID
MB Lot-Sample #: A5F090000-311

Prep Date.....: 06/08/05 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 06/08/05 **Prep Batch #...:** 5160311
Dilution Factor: 1 **Initial Wgt/Vol:** 5 g

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	20	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	5.0	ug/kg	SW846 8260B
2-Butanone	ND	20	ug/kg	SW846 8260B
Carbon disulfide	**0.41 J**	**5.0**	**ug/kg**	**SW846 8260B**
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	5.0	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Chloromethane	ND	5.0	ug/kg	SW846 8260B
Cyclohexane	ND	10	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	20	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
Methyl acetate	ND	10	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
Methylcyclohexane	ND	10	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	20	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	20	ug/kg	SW846 8260B
Styrene	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5F030312 **Work Order #...:** HC9LR1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,4-Trichloro-benzene	**0.75 J**	**5.0**	**ug/kg**	**SW846 8260B**
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0	ug/kg	SW846 8260B
Vinyl chloride	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	10	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(59 - 138)
1,2-Dichloroethane-d4	92	(61 - 130)
Toluene-d8	87	(60 - 143)
4-Bromofluorobenzene	83	(47 - 158)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71024.D
Report Date: 08-Jun-2005 12:29

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71024.D
Lab Smp Id: VBLK
Inj Date : 08-JUN-2005 12:31
Operator : 2807 Inst ID: a3ux7.i
Smp Info : VBLK,5G/5ML
Misc Info : U50608A,8260SUX7,1-8260.SUB,2807,3,,BLANK,,0
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\8260SUX7.m
Meth Date : 08-Jun-2005 10:36 macenczaks Quant Type: ISTD
Cal Date : 04-JUN-2005 18:06 Cal File: UX70952.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Fluorobenzene	96	4.775	4.771	(1.000)	1026498	250.000	
* 2 Chlorobenzene-d5	117	7.422	7.418	(1.000)	685484	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.648	9.650	(1.000)	294225	250.000	
$ 4 Dibromofluoromethane	113	4.216	4.212	(0.883)	239785	229.080	45.816
$ 5 1,2-Dichloroethane-d4	65	4.489	4.492	(0.940)	272892	229.193	45.839
$ 6 Toluene-d8	98	6.120	6.122	(1.282)	982989	217.981	43.596
$ 7 Bromofluorobenzene	95	8.529	8.525	(1.149)	336247	208.462	41.692
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.640	2.630	(0.553)	8823	2.04992	0.4100(R)
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	2.689	2.679 (0.563)	5858	34.9984	7.000
23 Acrylonitrile	53	3.011	2.995 (0.631)	6443	14.0786	2.816
24 Methyl tert-butyl ether	73	Compound Not Detected.				

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71024.D
Report Date: 08-Jun-2005 12:29

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.082	4.072	(0.855)	14883	23.6062	4.721
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71024.D
Report Date: 08-Jun-2005 12:29

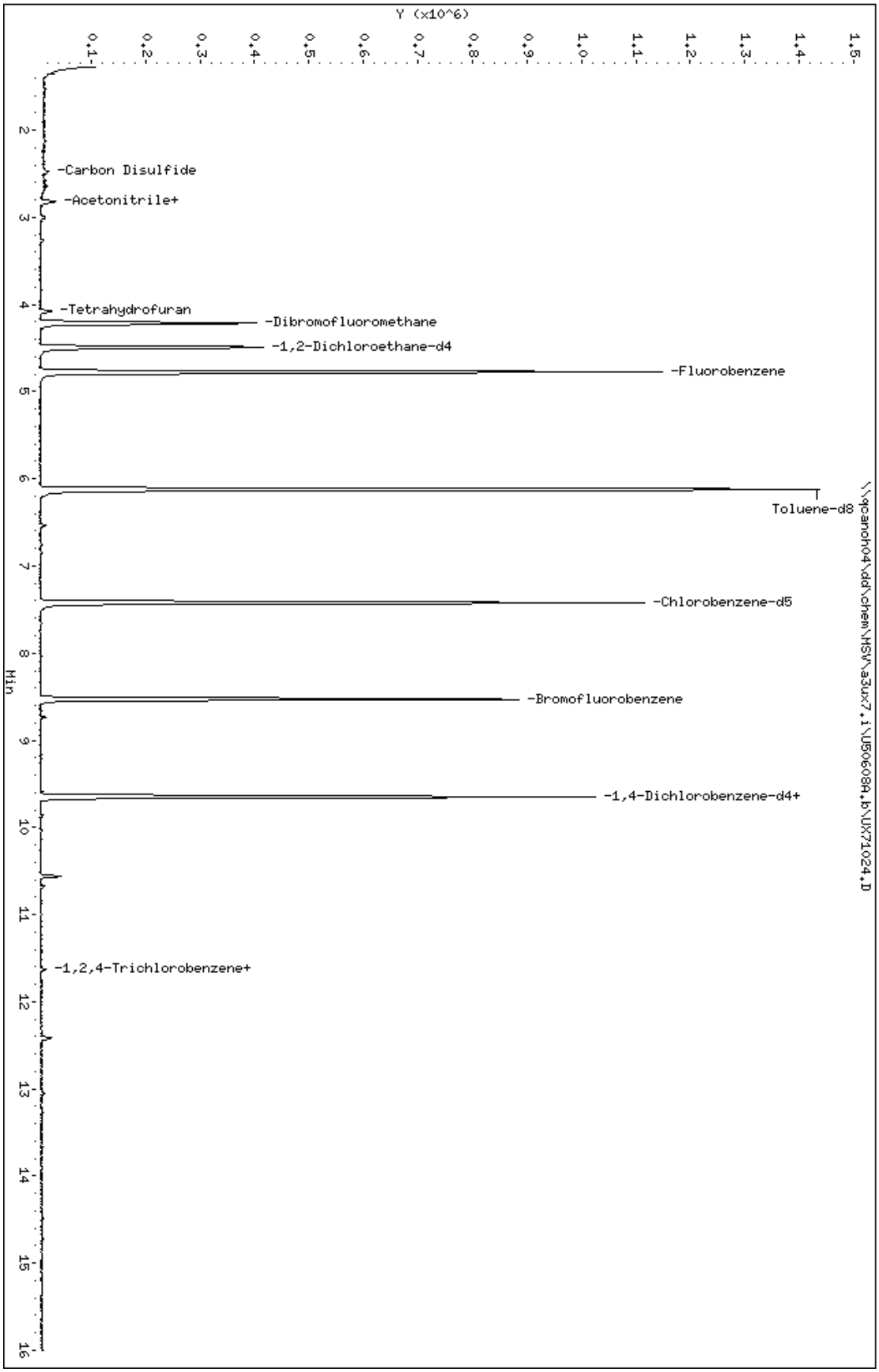
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	9.666	9.669	(1.002)	2650	1.16344	0.2327
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.625	11.628	(1.205)	4195	3.73949	0.7479
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	11.863	11.865	(1.230)	776	13.6280	2.726
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71024.D
Date : 08-JUN-2005 12:31
Client ID:
Sample Info: VBLK,5G/5ML
Purge Volume: 5.0
Column Phase: DB624

Instrument: a3ux7.i
Operator: 2807
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71024.D

Date : 08-JUN-2005 12:31

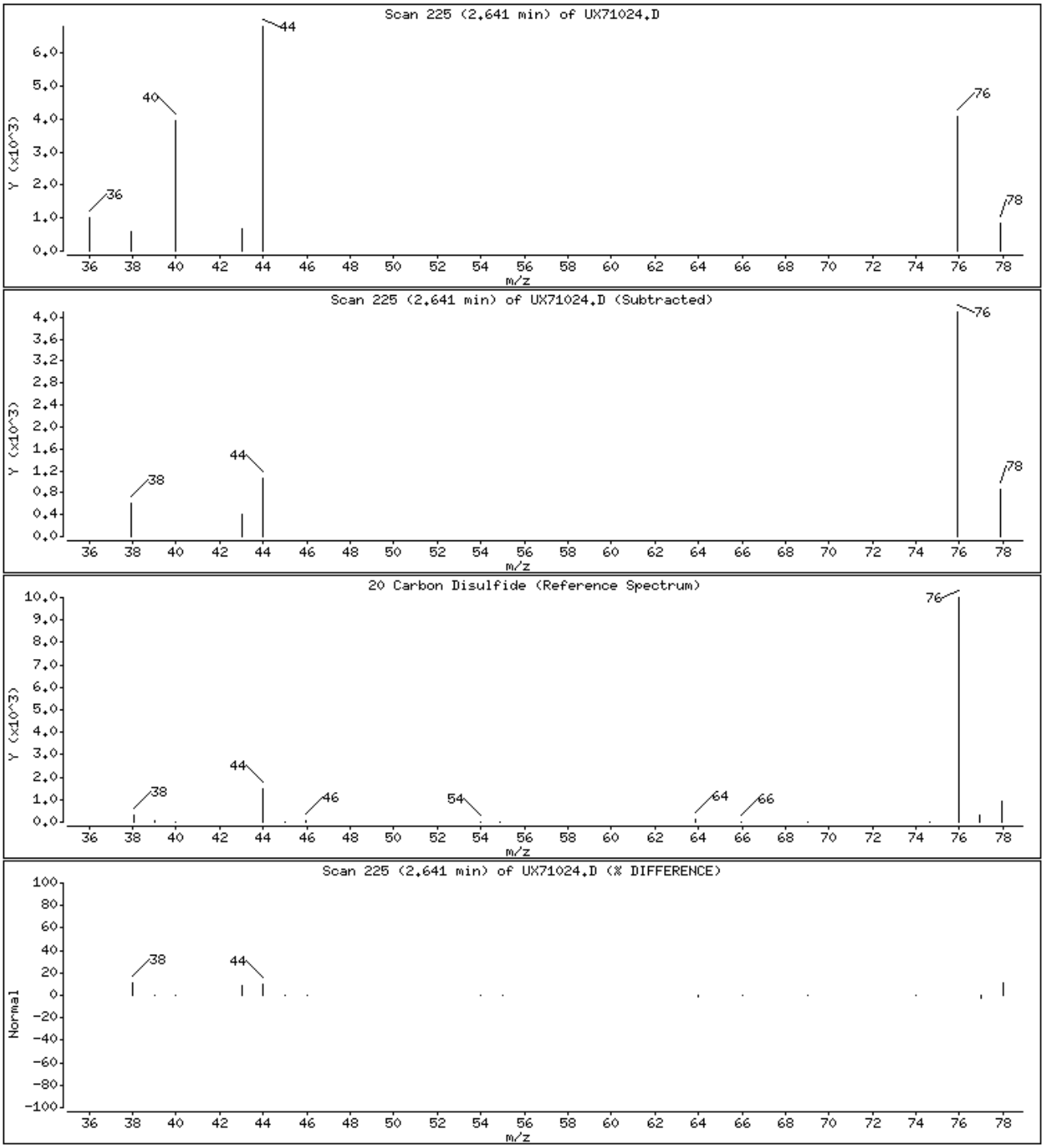
Client ID: Instrument: a3ux7.i

Sample Info: VBLK,5G/5ML

Purge Volume: 5.0 Operator: 2807

Column phase: DB624 Column diameter: 0.18

20 Carbon Disulfide Concentration: 0.4100 UG/KG



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71024.D

Date : 08-JUN-2005 12:31

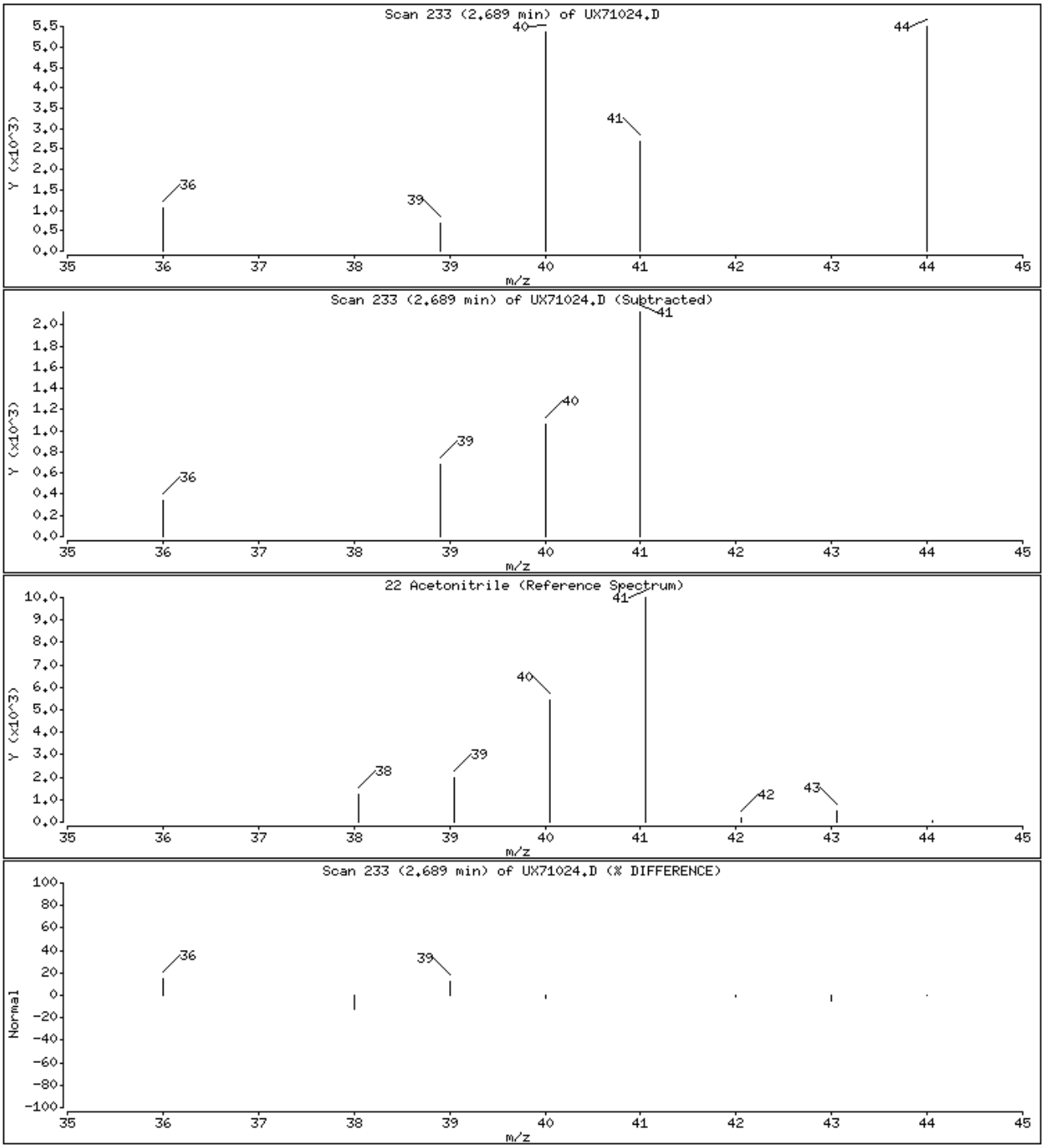
Client ID: Instrument: a3ux7.i

Sample Info: VBLK,5G/5ML

Purge Volume: 5.0 Operator: 2807

Column phase: DB624 Column diameter: 0.18

22 Acetonitrile Concentration: 7.000 UG/KG



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Date : 08-JUN-2005 12:31

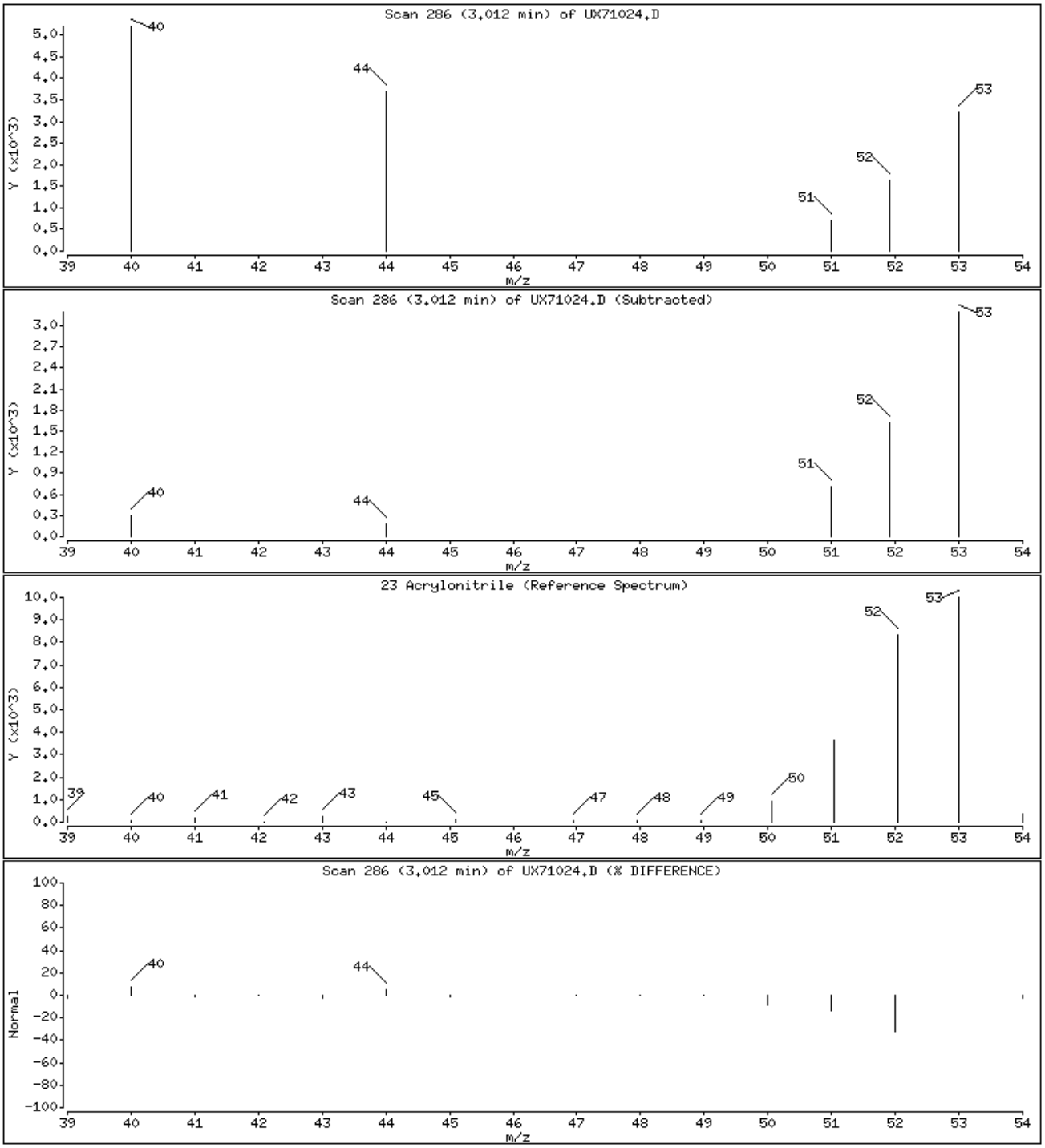
Client ID: Instrument: a3ux7.i

Sample Info: VBLK,5G/5ML

Purge Volume: 5.0 Operator: 2807

Column phase: DB624 Column diameter: 0.18

23 Acrylonitrile Concentration: 2.816 UG/KG



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71024.D

Date : 08-JUN-2005 12:31

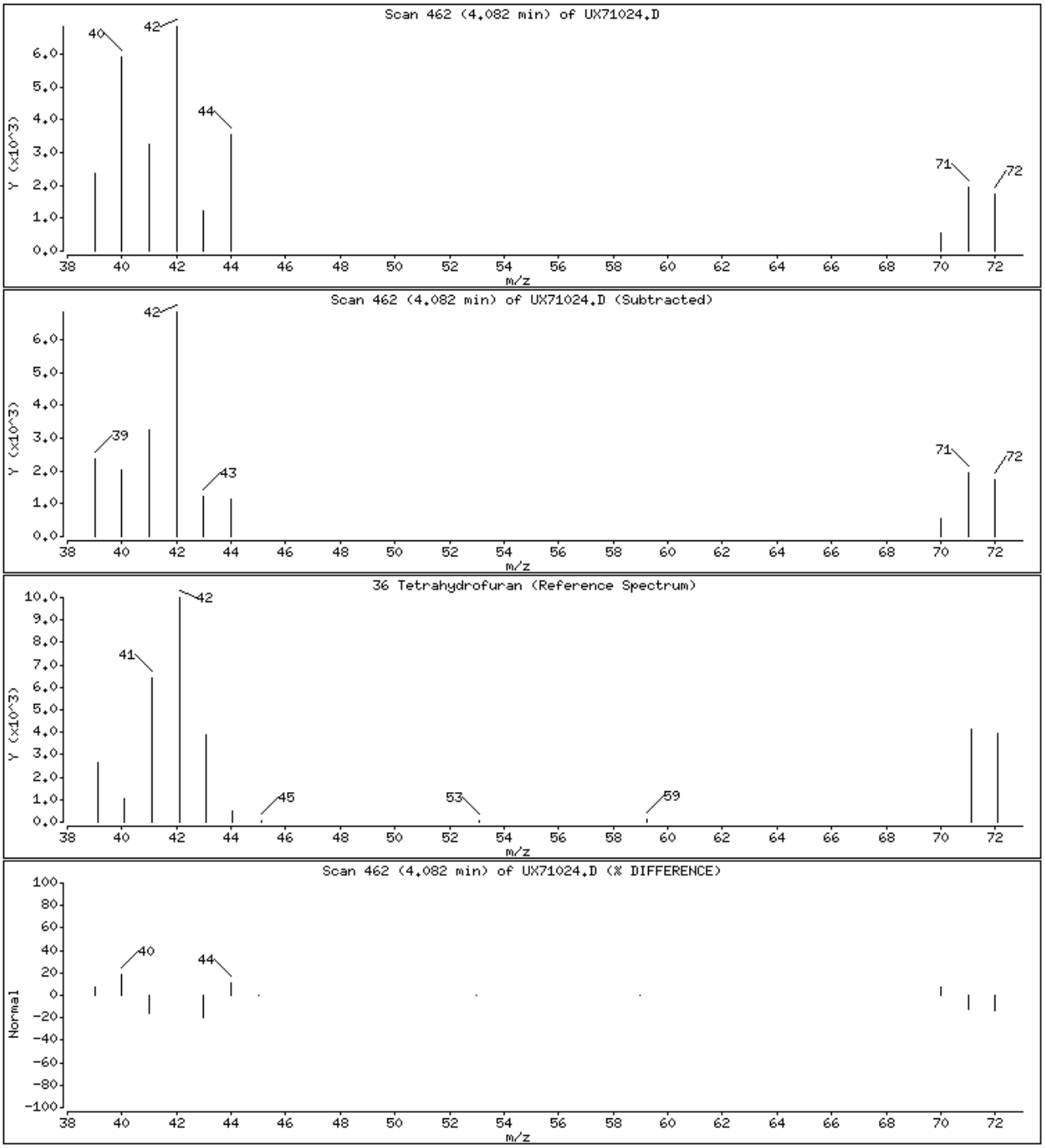
Client ID: Instrument: a3ux7.i

Sample Info: VBLK,5G/5ML

Purge Volume: 5.0 Operator: 2807

Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 4.721 UG/KG



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71024.D

Date : 08-JUN-2005 12:31

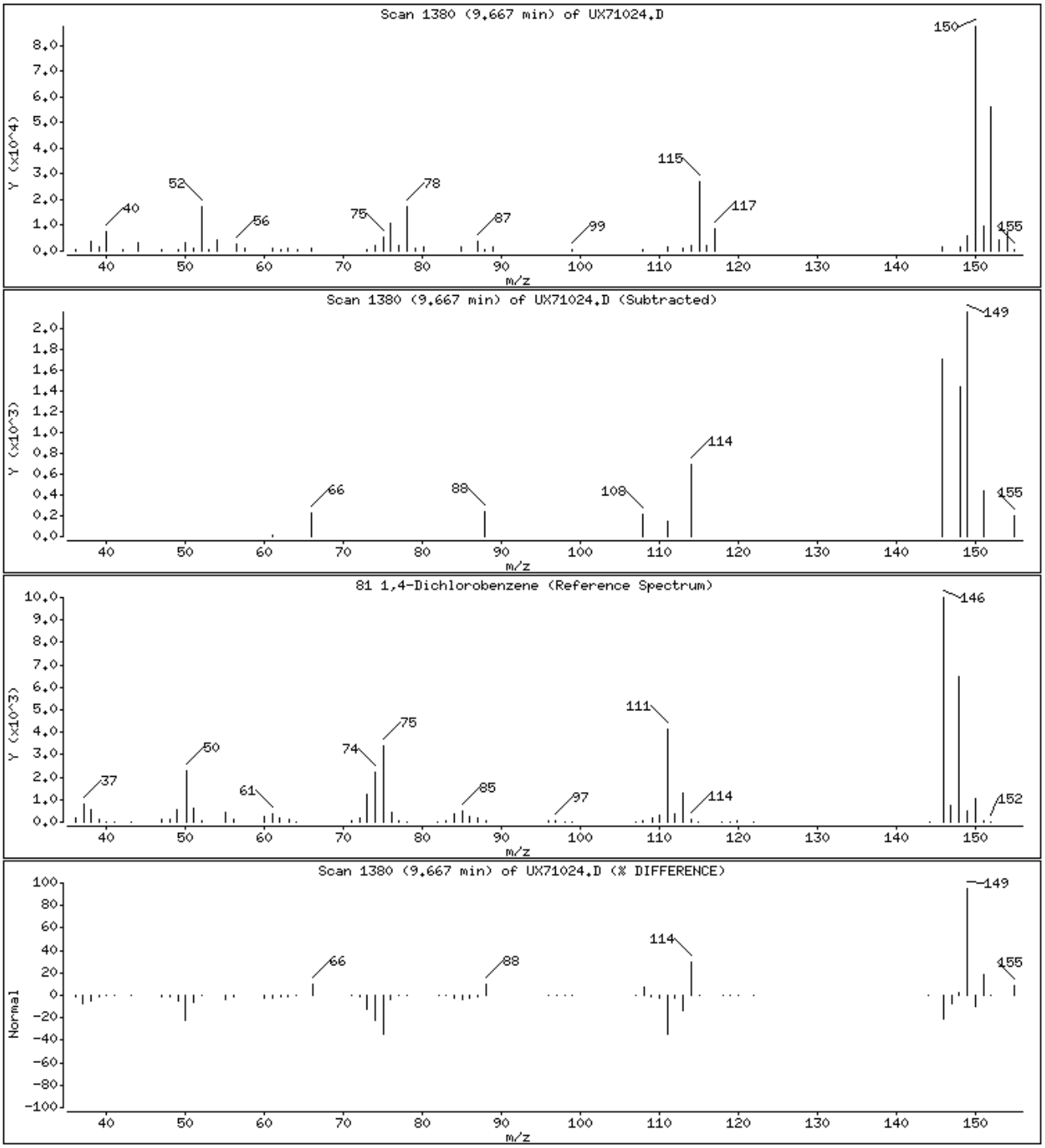
Client ID: Instrument: a3ux7.i

Sample Info: VBLK,5G/5ML

Purge Volume: 5.0 Operator: 2807

Column phase: DB624 Column diameter: 0.18

81 1,4-Dichlorobenzene Concentration: 0.2327 UG/KG



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71024.D

Date : 08-JUN-2005 12:31

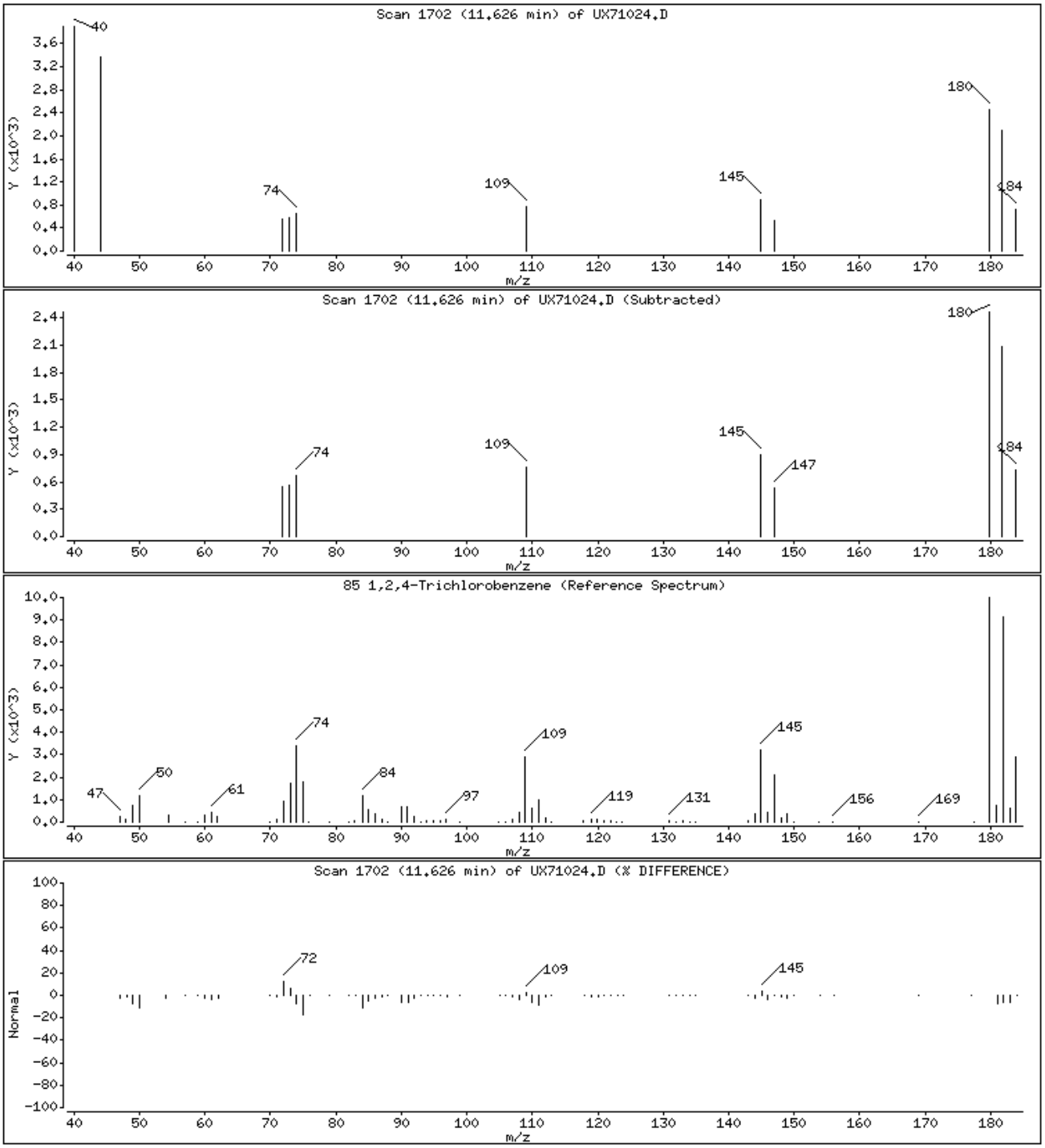
Client ID: Instrument: a3ux7.i

Sample Info: VBLK,5G/5ML

Purge Volume: 5.0 Operator: 2807

Column phase: DB624 Column diameter: 0.18

85 1,2,4-Trichlorobenzene Concentration: 0.7479 UG/KG



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Date : 08-JUN-2005 12:31

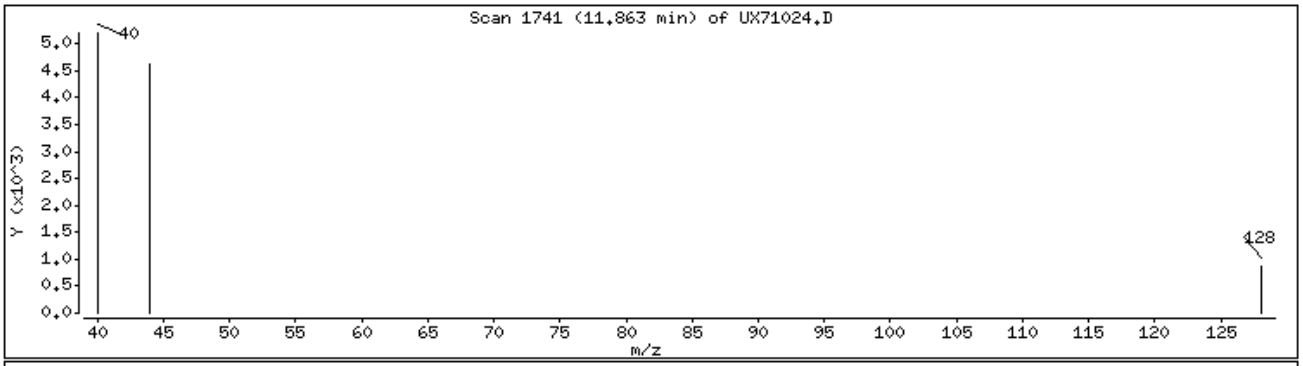
Client ID: Instrument: a3ux7.i

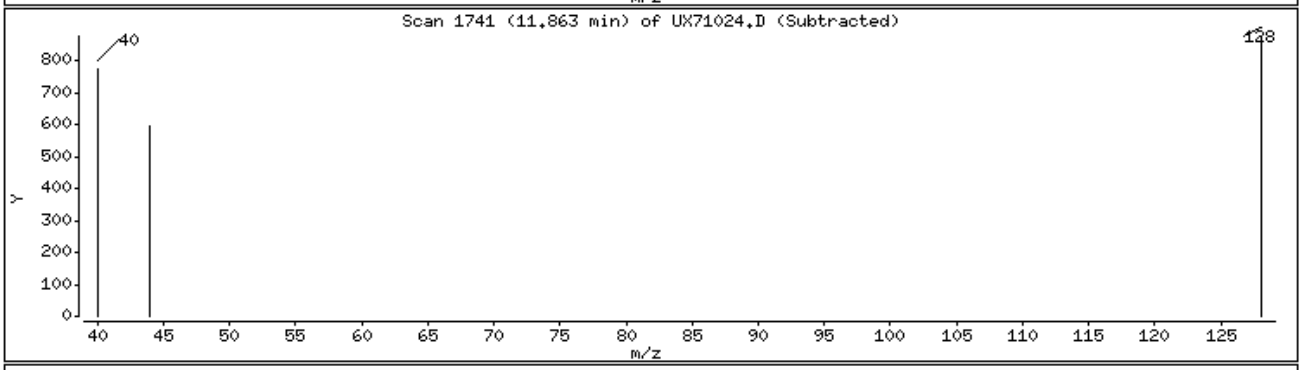
Sample Info: VBLK,5G/5ML

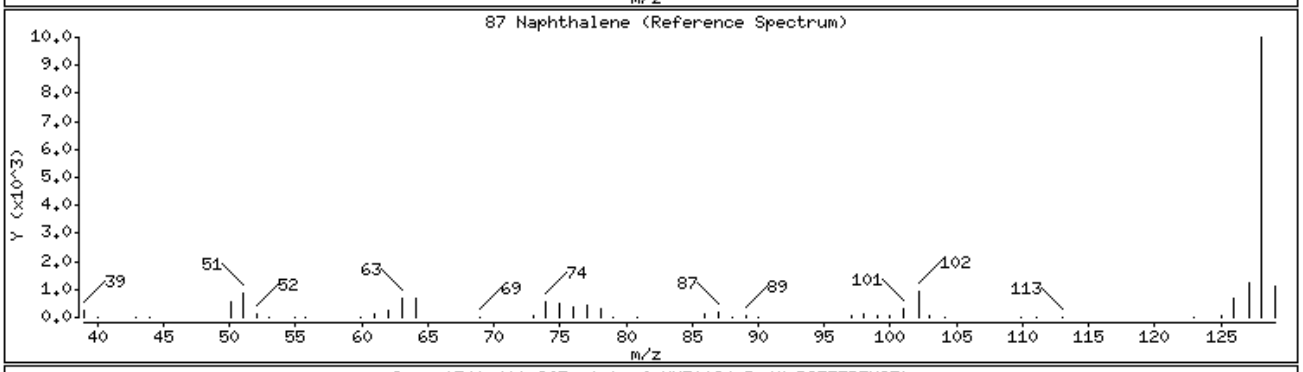
Purge Volume: 5.0 Operator: 2807

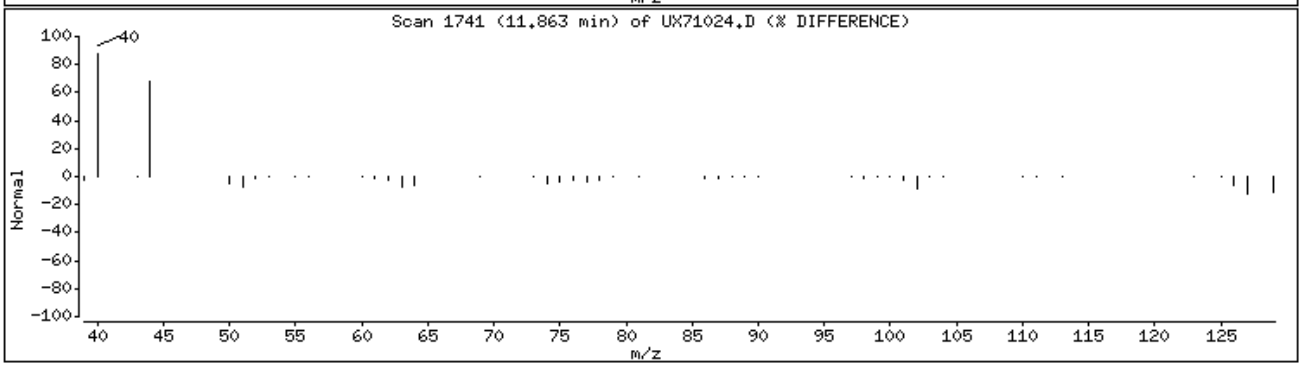
Column phase: DB624 Column diameter: 0.18

87 Naphthalene Concentration: 2.726 UG/KG









METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5F030312 **Work Order #...:** HDPHL1AA **Matrix.....:** WATER
MB Lot-Sample #: A5F160000-040

Prep Date.....: 06/15/05 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 06/15/05 **Prep Batch #...:** 5167040
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	**1.4 J**	**10**	**ug/L**	**SW846 8260B**
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Cyclohexane	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
Methyl acetate	ND	10	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methylcyclohexane	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5F030312 **Work Order #...:** HDPHL1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(73 - 122)
1,2-Dichloroethane-d4	101	(61 - 128)
Toluene-d8	109	(76 - 110)
4-Bromofluorobenzene	90	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94110.D
Report Date: 16-Jun-2005 06:55

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94110.D
Lab Smp Id: VBLK
Inj Date : 15-JUN-2005 07:51
Operator : 1819 Inst ID: a3ux9.i
Smp Info : VBLK
Misc Info : N50615A,8260MIUX9,,1819,3,,BLANK,,0
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50615A.b\8260MIUX9.m
Meth Date : 15-Jun-2005 07:22 Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.098	5.097	(1.000)	802858	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	543504	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.985	9.984	(1.000)	197073	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	177855	54.7434	10.949
$ 5 1,2-Dichloroethane-d4	65	4.825	4.825	(0.947)	224834	50.4367	10.087
$ 6 Toluene-d8	98	6.447	6.446	(0.832)	846613	54.6567	10.931
$ 7 Bromofluorobenzene	95	8.860	8.848	(1.144)	250306	44.7476	8.950
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.802	2.790	(0.550)	19621	7.18653	1.437
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94110.D
Report Date: 16-Jun-2005 06:55

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

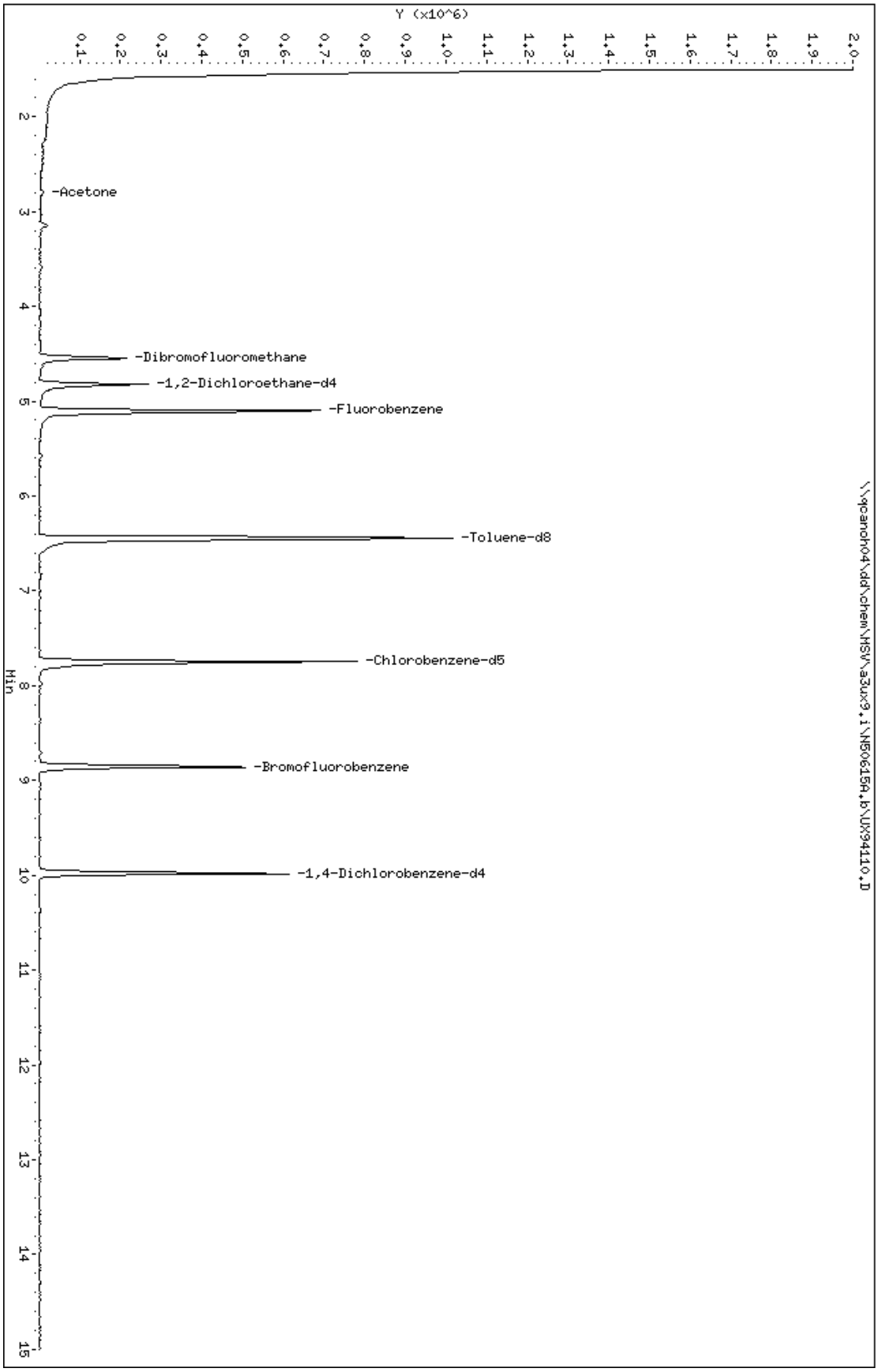
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94110.D
Report Date: 16-Jun-2005 06:55

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					
47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94110.D
Date : 15-JUN-2005 07:51
Client ID:
Sample Info: VBLK
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18



\\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94110.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50615A.b\UX94110.D

Date : 15-JUN-2005 07:51

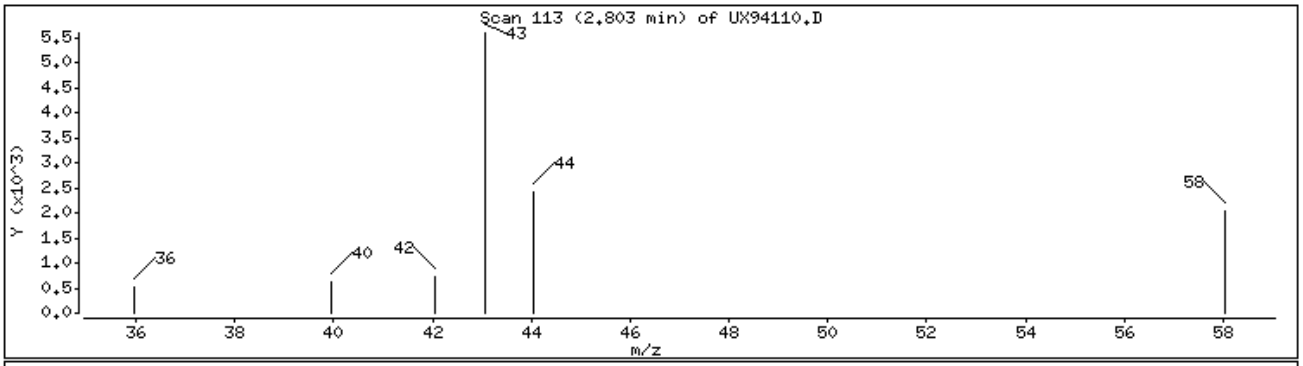
Client ID: Instrument: a3ux9.i

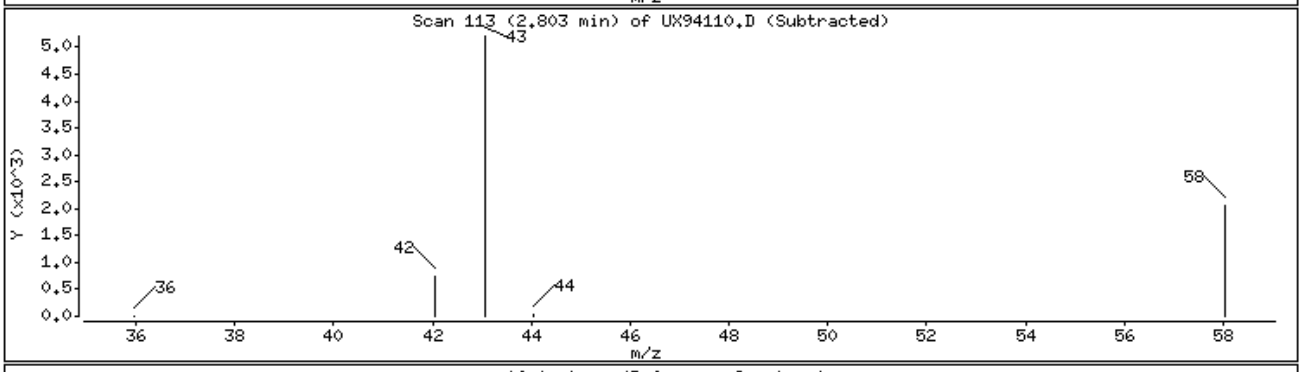
Sample Info: VBLK

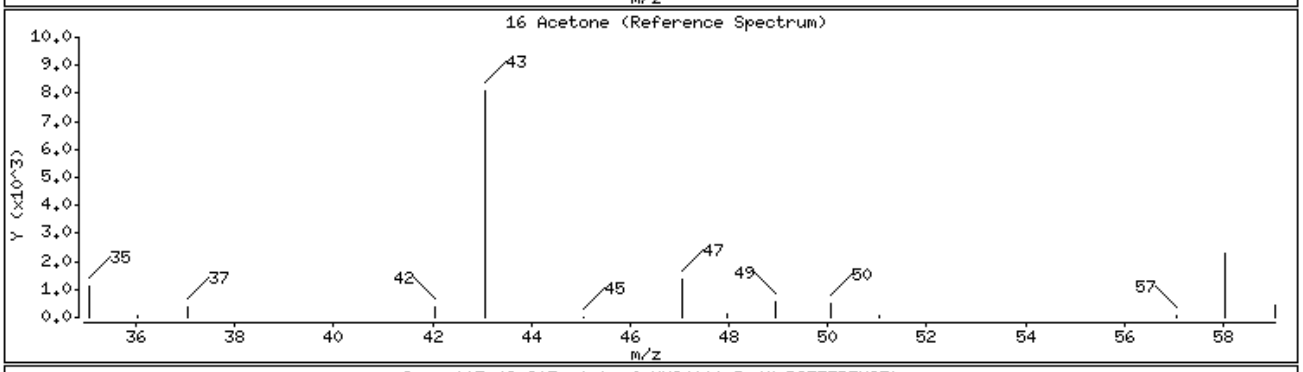
Purge Volume: 5.0 Operator: 1819

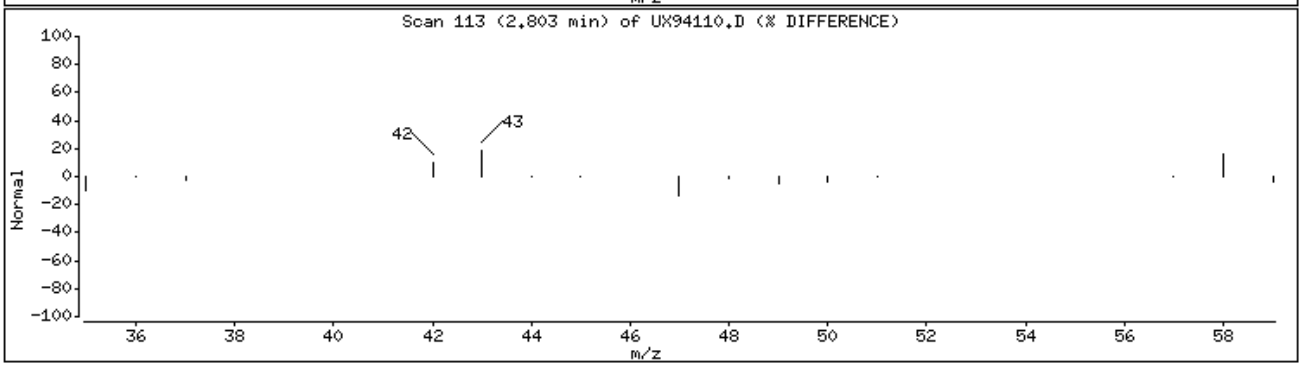
Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 1.437 ug/L









MISCELLANEOUS DATA

UX7
Batch # _____

STL-North Canton
GC/MS VOA Run Log

Date: 6-7

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold – min	to – C @ – C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min	IS # V3115 SS # V3116	Hold 3 min	Bake: 5 min @ 250 C
			Heated purge: Yes No

Auto num	Sample ID Workorder	Method	File Name	Amt purge	Std number Sample prep	Comments	Status
–	BFB		BFB588	50ng	Dir Inj	A-TUNE!	OK
1	Blank		UX70946	5mL		Stuck on/wait for P&T	—
–	BFB		BFB589	50ng	Dir. Inj		OK
2	P260STD		UX70947	250ng	V3126 V3124 V3127	QC failed 6 cmpds out!	—
3	App IX STD		UX70948	↓	V3119 V3120	Re-Calibrate!	—
–	BFB		BFB590	50ng	Dir. Inj.	B-TUNE! 1632	OK
1	Blank		UX70949	5mL			—
2	1000STD		UX70950	1000ng	V3126 V3124 V3127 V3130 SS		OK
3	500STD		UX70951	500ng			OK
4	250STD		UX70952	250ng		U50604	OK
5	100STD		UX70953	100ng			OK
6	50STD		UX70954	50ng			OK
7	25STD		UX70955	25ng	↓		OK
8	ICV		UX70956	250ng	V3056		OK
9	1000-A9 STD		UX70957	1000ng	V3119 V3120		D
10	500-A9 STD		UX70958	500ng			
11	250-A9 STD		UX70959	250ng			
12	100-A9 STD		UX70960	100ng			
13	50-A9 STD		UX70961	50ng		No purge.	
14	25-A9 STD		UX70962	25ng			
15	Check		UX70963	5g/5mL	250ng FAS V3129		—
16	Check DUP		UX70964	↓	↓		—
17	MBLK		UX70965	↓			—

Analyst: TJL
Level 2 review: TC

PDF DONE

UX7
Batch # 5160311

STL-North Canton
GC/MS VOA Run Log

6/13 Date: 6-8-05
MS#: 5160218

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 5 min @ 250 C
	IS # V3115 SS # V3116		Heated purge: (Yes) No

Acq. num	Sample ID Workorder#	Method	File Name	Sample purged	Std number Sample prep	Comments	Sample status
—	BFB		BFB593	50g	Ok eat	(1031)	Ok
1	Blank		ux71020	5ml/fal			Ok
2	8260 STD		ux71021	250g	V3124 V3127 V3124	US0604	Ok
3	Blank HC9LRIAC		ux71022	5g/fal	250g	V3129 FAS	Ok
4	Blank HC9LRIAA		ux71023	↓	↓	↓ ↓	Ok
5	V3U HC9LRIAA		ux71024	↓			Ok
6	HCVAKIAD		ux71025	5g/fal		IS↓ 6/13	
7	HCVAMIAD		ux71026				Ok
8	HCVAQIAD		ux71027				Ok
9	HCVAQIAG	MS	ux71028		250g	V3129 FAS	Ok
10	HCVAQIAH	MSD	ux71029	↓	↓	↓ ↓ ↓	Ok
11	HCRHDIAC		ux71030	4.54g/fal		(E.D.) 6/16	Ok
12	HCRHEIAC		ux71031	3.09g/fal		SS↓ only one US vial	Ok
13	HCRHGIAC		ux71032	5.72g/fal			Ok
14	HCRHQIAC		ux71033	5.03g/fal		100ml	Ok
15	HCRHRIAC		ux71034	4.89g/fal		IS↓↓↓ only one US vial (10mls)	
16	HCRHXIAC		ux71035	4.26g/fal			Ok
17	HCRHOIAC		ux71036	5.75g/fal		MI	Ok
18	HCRHYIAC		ux71037	6.30g/fal		MI	Ok
19	HCRHNIAC		ux71038	5.89g/fal			Ok
20	HC3JXIAD		ux71039	5g/fal		6/17	Ok
21	HC3J3IAD		ux71040			6/	Ok
22	HC3J6IAD		ux71041				Ok
23	HC3J7IAD		ux71042			MI	Ok
24	HC3KDIAD		ux71043				Ok
25	HC3DVIAC		ux71044	↓		IS↓ MI 6/17	
26	HCWQFIAA		ux71045	4.63g/fal		(E.D.) 6/17	Ok
27	HCX36IAA		ux71046	4.24g/fal		(E.D) 6/17	Ok

ASF030150
ASF020248
ASF070168
ASF070152
ASF030312
ASF040126

SAM 6-9-05

Analyst: SAM
Level 2 review: [illegible]

PDF DONE

UX9
Batch # 5165513

STL-North Canton
GC/MS VOA Run Log

(6.15)

Date: 6-13-5
2nd

Column
Type: DB624
Length 20 M
I.D. 0.18 mm
Flow Rate 0.4ml/min

BFB
100 C for 0.1 min
to 200 C @ 20 C/min
Hold - min

Analysis
45 C for 2 min
to 200 C @ 15 C/min
to - C @ - C/min
Hold 3 min

Purge & Trap
Trap: #10
Purge: 11
Desorb: 1 min @190 C
Bake: 5 min @ 210 C
Heated purge: Yes (No)

IS # U3147 SS # U3138

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status	
	BFB		BFB239	50ng		(R)		
	BFB		BFB240	50ng		V (R)		
	BFB		BFB241	50ng	direct	injection (18:52)	OK	
1	Approstd		ux94050	50ng	U3139 U3156	V50525	OK	
2	8260std		ux94051	250ng	U3135 U3157 U3158		OK	
3			ux94052	100ng			OK	
4			ux94053	50ng		V50613	OK	
5			ux94054	25ng			OK	
6			ux94055	5ng			OK	
7			ux94056	2.5ng			OK	
8	ICV/check		ux94057	50ng	U3144	HdK9F1AC	OK	
9	Blank		ux94058	5ml		1AA	OK	
10	check		ux94059	50ng	U3144	1Ad	OK	
11	HCQWK1A9		ux94060	5ml		6.16	OK	020409
12	HCQXL1A4		ux94061	5ml			OK	
13	HC6Ld-1A6	VAP	ux94062	5ml		6.15	OK	080233
M 14	HC6ME1A6		ux94063	5ml			OK	
15	HC6MF1Ad		ux94064	5ml			OK	
16	HC6MH1Ad		ux94065	5ml			OK	
17	HC6ML1AH		ux94066	5ml			OK	
18	HC6M01AH		ux94067	5ml			OK	
19	HC6M21Aw		ux94068	5ml			OK	
20	HC6M21AX	ms	ux94069	5ml	+50ng	U3144 MSRun#	OK	
21	HC6M21A0	msd	ux94070	5ml	+50ng	U3144 5165310	OK	
22	HC6M61AH		ux94071	5ml			OK	
23	HC6M81AH		ux94072	5ml			OK	
24	HC6M91A5		ux94073	5ml			OK	
25	HC6NF1Ad		ux94074	5ml			OK	
26	HC6NH1AA		ux94075	5ml			OK	
27	HC7A61AC		ux94076	5ml		6.15	OK	080308
28	HC7CC1AC		ux94077	5ml			OK	
29	HC7CE1AA		ux94078	5ml			OK	
						6.14.5 JAM		

Analyst: SAM
Level 2 review: [illegible]

(DOC DONE)

UX9
Batch # 5167040

STL-North Canton
GC/MS VOA Run Log

(6-17)

Date: 6-15-5

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @190 C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 5 min @ 210 C
	IS # U3147 SS # U3138		Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status	
	BFB		BF6245	50ng	direct injection (6:21)		OK	
1	AppIXstd		UX94107	50ng	U3139 U3156	U50525	OK	
2	8260std		UX94108	50ng	U3135 U3157 U3158	U50613	OK	
3	check		UX94109	50ng	U3144	HdPHL1AC	OK	
4	Blank		UX94110	5ml		1AA	OK	
5	check		UX94111	50ng	U3144	1Ad	OK	
6	HddJE1AA	Ed	UX94112	500ul/5ml		Foamer dil matrix 6-24	OK	100217
7	HddLQ1AA		UX94113	100ul/5ml		Foamer	[illegible]	
8	HddLU1AA		UX94114	1ml/5ml		Foamer	[illegible]	
9	HC7FX1AA	VAP	UX94115	5ml		6-22	[illegible]	080324
10	HC7EO1AA		UX94116	5ml			OK	
11	HC7F81AJ		UX94117	5ml			OK	
12	HCWCU1AA		UX94118	5ml		6-17	OK	030262
13	HCWE81AA	IX	UX94119	5ml		6-17	OK	030272
14	HCWLF1AA	L	UX94120	5ml			OK	030294
15	HCWQN1AA	Ed	UX94121	5ml		6-17	OK	030312
16	HCWQW1AA		UX94122	5ml			OK	
17	HCWQO1AA		UX94123	5ml			OK	
18	HCWWL1AA		UX94124	45ul/5ml			OK	030321
19	HCWO61AA		UX94125	75ul/5ml		6-17	OK	
20	HCWO91AA		UX94126	5ml			OK	
21	HCW1F1AA		UX94127	100ul/5ml			OK	
22	HCW1F1AC	MS	UX94128	100ul/5ml	+50ng	U3144 MS Run #	OK	
23	HCW1F1Ad	MSD	UX94129	100ul/5ml	+50ng	U3144 5167023	OK	
24	HCW1Q1AA		UX94130	1ml/5ml			OK	
25	HCW1R1AA		UX94131	2.5ml/5ml			OK	
26	HCW1U1AA		UX94132	5ml			OK	
27	HCW2U1AA		UX94133	5ml			OK	
						6-15-5 SHM		

Analyst: SHM
Level 2 review: [illegible]

pH/Free Chlorine Worksheet

Lot: A5F030312

A5F030312

Sample	Work Order	SAC	Client Sample ID	pH	Free Chlorine
2	HCWQN-1AA	XX I 25 QK 01	GW-060205-AJ-037	<2	N
3	HCWQW-1AA	XX I 25 QK 01	GW-060205-AJ-039	<2	N
4	HCWQ0-1AA	XX I 25 QK 01	TRIP BLANK	<2	N

VOA 5035 Soil Preservation Log

STL - North Canton

Preservation date	Sample Workorder#	High level sample wt. (g)	Low level sample wt. (g)	Low level sample wt. (g)	Low level preservative*	time	MeOH Batch #	MeOH QC data	Comments
6-5-05	HCVC9	4.70	5.31	4.98	H	13:47		5ml microsorb # V3100	
	HCVDC	4.72	4.97	5.31					Coff.
	HCVDD	5.30	5.56	5.09					
	BLK#3	5.00g						5ml microsorb # V3106	
	LCS #3							100ml microtus spike # V3128	
	LCSD #3								
	HCWQF 05-AJ-038	4.19	4.63		H	17:09			
6-4-05	BLK	5.00g						5ml microsorb # V3100	
	LCS							100ml microtus spike # V3128	
	LCSD								
	HCX3G	4.24	4.29	4.63	H	14:54			
	HCX5J	4.62	4.70	4.57					
	HCX5C	4.89	4.14	4.43					
	HCX5CMS	4.47	4.81	4.52				100ml microtus spike # V3128	
	HCX5CMSD	4.64	~~4.37~~ 4.38 mm 6-4-05	4.66					
6-6-05	BLK	5.00g						5ml microsorb # V3100	
	LCS							100ml microtus spike # V3128	
	LCSD								
	HCFQ4	5.29g							
	HCFRD	~~5.06g~~	5.50g						
	HCFRG	5.32g							
	HCFRH	5.63g							

*H = 5ml water and freeze
*N = 5ml sodium bisulfate solution

Lot/SDG Number: **A5F030312**

Sample Control Chain of Custody - STL North Canton
GC/MS Volatiles

Lot Number	Sample	Work Order	Analysis Type	Analysis Date	Analyst
A5F030312	1	HCWQF1AA	Volatile Organics, GC/MS (8260B)	06/08/05	Steve Macenczak
A5F030312	2	HCWQN1AA	Volatile Organics, GC/MS (8260B)	06/15/05	Susan Kardohely
A5F030312	3	HCWQW1AA	Volatile Organics, GC/MS (8260B)	06/15/05	Susan Kardohely
A5F030312	4	HCWQ01AA	Volatile Organics, GC/MS (8260B)	06/15/05	Susan Kardohely

GENERAL CHEMISTRY DATA

SAMPLE DATA

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-060205-AJ-038

General Chemistry

Lot-Sample #...: A5F030312-001 **Work Order #...:** HCWQF **Matrix.....:** SO
Date Sampled...: 06/02/05 10:08 **Date Received..:** 06/03/05
% Moisture.....: 3.6

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	96.4	10.0	%	MCAWW 160.3 MOD	06/09-06/10/05	5160491

Dilution Factor: 1

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A5F030312 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids		Work Order #: HDAGX1AA		MB Lot-Sample #:	A5F090000-491	
	ND	10.0	%	MCAWW 160.3 MOD	06/09-06/10/05	5160491
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A5F030312 **Work Order #...:** HCT40-SMP HCT40-DUP **Matrix.....:** SOLID
Date Sampled...: 06/02/05 12:43 **Date Received..:** 06/03/05
% Moisture.....: 13

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #: A5F030133-009		
	87.3	87.4	%	0.15	(0-20)	MCAWW 160.3 MOD	06/09-06/10/05	5160491

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A5F030312 **Work Order #...:** HCX0M-SMP **Matrix.....:** SOLID
HCX0M-DUP
Date Sampled...: 06/03/05 08:40 **Date Received..:** 06/04/05
% Moisture.....: 19

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #: A5F040104-009		
	81.2	81.5	%	0.39	(0-20)	MCAWW 160.3 MOD	06/09-06/10/05	5160491

Dilution Factor: 1

SUPPORTIVE RAW DATA

STL North Canton General Chemistry Data Review Checklist

Parameter(s): TS

Batch(es): 5160491

Method #/SOP#: 160.3

Review Items	Level I Review			Level II Review		
	YES	NO	N/A	YES	NO	N/A
A. Initial Calibration						
1. Initial calibration correlation coefficient ≥ 0.995?			✓			✓
2. Calibration curve consist of the minimum number of calibration standards?						✓
3. ICV analyzed at immediately after calibration and within control limits ? (TRAACS Nitrate/Nitrite, Cyanide 85-115%; all others 90-110%)						✓
4. ICB analyzed immediately after ICV and within criteria (± RL)?						✓
B. Continuing Calibration						
1. CCV analyzed every 10 samples, at end of sequence and within criteria?			✓			✓
2. CCB analyzed every 10 samples, at end of sequence & within criteria (±RL)?			✓			✓
C. Sample Results						
1. Were samples with concentrations > the linear range diluted and reanalyzed ?			✓			✓
2. All reported results bracketed by in control QC ?	✓			✓		
3. Sample analyses done within holding time ?	✓			✓		
D. Quality Control						
1. LCS per prep batch and within QC limits ? *(LCSD, where applicable)*			✓			✓
2. Method blank done per prep batch and < RL. Method blank RL supports the lowest RL reported for the batch?	✓			✓		
3. MS/MSD run at required frequency and evaluated? MS/MSD reported properly and calculated correctly?			✓			✓
4. Duplicate samples run at required frequency (duplicate sample performed per matrix encountered)?	✓			✓		
E. Titrant						
1. Titrant standardized?			✓			✓
2. If no, standardization expires						
F. Other						
1. Are all nonconformances documented appropriately (NCM or narrative)?			✓			✓
2. Calculations checked for error ?			✓	✓		
3. Transcriptions checked for error ?	✓			✓		
4. All client/project specific requirements met ?				✓		
5. Date/time of preparation and analysis verified as correct ?				✓		
6. Units verified as correct?				✓		
7. Dilutions have been properly applied and RL's adjusted appropriately?			✓			✓
8. SOP followed?	✓			✓		
9. Calculations checked at minimum frequency (at least 20%, 100% for QC)?			✓			✓
10. All reagent and standard numbers recorded in logbook?			✓			✓
11. Edits dated and initialed						✓

Comment on any "NO" response(s):

Level I reviewer: OC Date: 6/10/05

Level II Reviewer: [illegible] Date: 6/10/05

Level I review:

N:\QAQC\Lab_form\Wet Chemistry Forms\Wet Chem_LevelI.doc
Corporate Policy, QA-012
Revision date: 08/25/00

			STL North Canton			
		Percent Total Solid/Percent Moisture Logsheet				
Analysis	TS			Batch	5160491	
Prep Date	6/9/05	Time In	2:33	Analyst	MH	
Anal date	6/10/05	Time Out	8:15	RL	10	
Sample	Tare	Wet	Dry	Result TS	Result MS	comments
Id	wt	wt	wt	%	%	
BLK B	4.6174	4.739	4.7193	4.05	ND	
HC5M2	4.6174	21.5295	20.5836	94.407	5.593	
HC395	4.6174	16.6441	15.9295	94.058	5.942	
HC558	4.6174	11.7883	11.495	95.910	4.090	REPREP
HCX0D	4.6174	15.4451	13.8101	84.900	15.100	
HCX0E	4.6174	16.6321	14.5825	82.941	17.059	
HCX0F	4.6174	17.9609	15.4604	81.261	18.739	
HCX0G	4.6174	20.4601	18.3636	86.767	13.233	
HCX0H	4.6174	18.849	15.9135	79.373	20.627	
HCX0J	4.6174	22.9664	19.2537	79.766	20.234	
HCX0K	4.6174	24.2385	20.839	82.674	17.326	
HCX0L	4.6174	22.0677	19.2384	83.787	16.213	
HCX0M	4.6174	16.5269	14.2872	81.194	18.806	
HCX0M-X	4.6174	12.0905	10.7086	81.508	18.492	
HCWQF	4.6174	9.4074	9.2343	96.386	3.614	
HCT4E	4.6174	19.2248	17.9845	91.509	8.491	
HCT4L	4.6174	18.114	17.5197	95.597	4.403	
HCT4Q	4.6174	23.5678	20.3677	83.113	16.887	
HCT4R	4.6174	20.8243	19.9417	94.554	5.446	
HCT4W	4.6174	19.513	18.1111	90.588	9.412	
HCT40	4.6174	12.6505	11.6304	87.301	12.699	
HCT40-X	4.6174	10.8417	10.0595	87.433	12.567	
HCWG0	4.6174	15.2985	13.7639	85.633	14.367	
	4.6174			100.000	0.000	
	4.6174			100.000	0.000	
	4.6174			100.000	0.000	
	4.6174			100.000	0.000	
	4.6174			100.000	0.000	

STL North Canton

Sample Control Chain of Custody for General Chemistry

Lot Number	Sample	Suffix	Lab ID	Test	Prep Date	Prepared by	Analysis Date	Analyzed by
A5F030312	1		HCWQF1AC	Solids, Percent (as TS - 160.3 MOD) - Solids	06/09/05	Olguita Colon	06/10/05	Olguita Colon

END OF REPORT

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SEVERN TRENT STL

STL North Canton
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North Canton, OH 44720

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ANALYTICAL REPORT

PROJECT NO. 34891

EVERGREEN MANOR

Lot #: A5F040126

Julie Czech

Conestoga-Rovers & Associates
8615 W. Bryn Mawr
Chicago, IL 60631

SEVERN TRENT LABORATORIES, INC.

Amy L. McCormick
Project Manager

June 27, 2005

SEVERN TRENT STL

CASE NARRATIVE

CASE NARRATIVE

A5F040126

The following report contains the analytical results for three solid samples, eight water samples, and one quality control sample submitted to STL North Canton by Conestoga-Rovers & Associates, Inc. from the Evergreen Manor Site, project number 34891. The samples were received June 4, 2005, according to documented sample acceptance procedures.

Sample Trip Blank, listed on the chain-of-custody, was analyzed per the sample label.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to Julie Czech on June 17, 2005. A summary of QC data for these analyses is included at the back of the report.

STL North Canton attests to the validity of the laboratory data generated by STL facilities reported herein. All analyses performed by STL facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. STL's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by a dry weight adjustment footnote at the bottom of the analytical report page. The list of parameters which are never reported on a dry weight basis is included on the Sample Summary.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

If you have any questions, please call the Project Manager, Amy L. McCormick, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

CASE NARRATIVE (continued)

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 3.2° C.

GC/MS VOLATILES

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

Surrogate recovery was outside acceptance criteria in sample GW-060305-AJ-041. Since the recovery was out high and the sample was ND, corrective action was not initiated and the results were accepted.

Internal standard areas were outside acceptance limits for the matrix spike associated with sample S-060305-AJ-046 due to matrix effects.

GENERAL CHEMISTRY

The analytical results met the requirements of the laboratory's QA/QC program.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

STL North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. STL North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed below.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals
Methylene chloride	Phthalate Esters	Copper
Acetone		Iron
2-Butanone		Zinc
		Lead*

- *for analyses run on TJA Trace ICP, ICPMS or GFAA only*

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable. The acceptance criteria do not apply to samples that are diluted for organics if the native sample amount is 4x the concentration of the spike.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepped and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepped and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide, PCB, and PAH methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria.

STL North Canton Certifications and Approvals:

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225), Illinois (#200004), Kansas (#E10336), Massachusetts (#M-OH048), Maryland (#272), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), North Carolina (#39702), Ohio (#6090), OhioVAP (#CL0024), Rhode Island (#237), South Carolina (#92007001, #92007002, #92007003), Tennessee (#02903), Utah (#QUAN9), Virginia (#00011), West Virginia (#210), Wisconsin (#999518190),NAVY, ARMY, USDA Soil Permit, ACIL Seal of Excellence – Participating Lab Status Award (#82)

SEVERN TRENT STL

EXECUTIVE SUMMARY

EXECUTIVE SUMMARY - Detection Highlights

A5F040126

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
S-060305-AJ-040 06/03/05 07:40 001				
Carbon disulfide	0.29 J,B	6.1	ug/kg	SW846 8260B
Methylene chloride	4.5 J	6.1	ug/kg	SW846 8260B
Percent Solids	94.5	10.0	%	MCAWW 160.3 MOD
GW-060305-AJ-041 06/03/05 08:50 002				
Acetone	0.84 J,B	10	ug/L	SW846 8260B
1,1,1-Trichloroethane	0.25 J	1.0	ug/L	SW846 8260B
Trichloroethene	0.48 J	1.0	ug/L	SW846 8260B
GW-060305-AJ-042 06/03/05 10:00 003				
Acetone	0.92 J,B	10	ug/L	SW846 8260B
Bromodichloromethane	0.31 J	1.0	ug/L	SW846 8260B
Chloroform	0.25 J	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	0.29 J	1.0	ug/L	SW846 8260B
Tetrachloroethene	0.73 J	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	0.98 J	1.0	ug/L	SW846 8260B
Trichloroethene	2.7	1.0	ug/L	SW846 8260B
GW-060305-AJ-043 06/03/05 11:42 004				
Acetone	3.0 J,B	10	ug/L	SW846 8260B
Benzene	0.26 J	1.0	ug/L	SW846 8260B
Chloroform	1.3	1.0	ug/L	SW846 8260B
Cyclohexane	0.23 J	1.0	ug/L	SW846 8260B
Ethylbenzene	0.20 J	1.0	ug/L	SW846 8260B
Tetrachloroethene	1.1	1.0	ug/L	SW846 8260B
Toluene	0.61 J	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	0.37 J	1.0	ug/L	SW846 8260B
Trichloroethene	1.3	1.0	ug/L	SW846 8260B
GW-060305-AJ-044 06/03/05 14:05 005				
Acetone	1.3 J,B	10	ug/L	SW846 8260B
Bromodichloromethane	1.4	1.0	ug/L	SW846 8260B
Chloroform	1.4	1.0	ug/L	SW846 8260B
Dibromochloromethane	1.7	1.0	ug/L	SW846 8260B
Tetrachloroethene	0.64 J	1.0	ug/L	SW846 8260B
Toluene	0.21 J	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	0.30 J	1.0	ug/L	SW846 8260B
Trichloroethene	0.57 J	1.0	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A5F040126

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
W-060305-AJ-045 06/03/05 14:15 006				
Acetone	1.3 J,B	10	ug/L	SW846 8260B
W-060305-AJ-050 06/03/05 15:05 007				
Acetone	1.4 J,B	10	ug/L	SW846 8260B
Methylene chloride	0.79 J	1.0	ug/L	SW846 8260B
S-060305-AJ-046 06/03/05 15:45 008				
Methylene chloride	6.8	6.5	ug/kg	SW846 8260B
Percent Solids	92.8	10.0	%	MCAWW 160.3 MOD
S-060305-AJ-047 06/03/05 15:48 009				
Methylene chloride	5.3 J	5.5	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	0.57 J,B	5.5	ug/kg	SW846 8260B
Percent Solids	97.1	10.0	%	MCAWW 160.3 MOD
GW-060305-AJ-048 06/03/05 16:48 010				
Tetrachloroethene	0.32 J	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	0.36 J	1.0	ug/L	SW846 8260B
Trichloroethene	0.30 J	1.0	ug/L	SW846 8260B
GW-060305-AJ-049 06/03/05 16:58 011				
Acetone	1.1 J,B	10	ug/L	SW846 8260B
Tetrachloroethene	0.46 J	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	0.32 J	1.0	ug/L	SW846 8260B
Trichloroethene	0.38 J	1.0	ug/L	SW846 8260B
TRIP BLANK 06/03/05 012				
Acetone	1.1 J,B	10	ug/L	SW846 8260B

SEVERN TRENT STL

METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

A5F040126

PARAMETER	ANALYTICAL METHOD
Total Residue as Percent Solids	MCAWW 160.3 MOD
Volatile Organics by GC/MS	SW846 8260B

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SEVERN TRENT STL

SAMPLE SUMMARY

SAMPLE SUMMARY

A5F040126

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HCX36	001	S-060305-AJ-040	06/03/05	07:40
HCX4K	002	GW-060305-AJ-041	06/03/05	08:50
HCX4N	003	GW-060305-AJ-042	06/03/05	10:00
HCX4R	004	GW-060305-AJ-043	06/03/05	11:42
HCX4X	005	GW-060305-AJ-044	06/03/05	14:05
HCX41	006	W-060305-AJ-045	06/03/05	14:15
HCX48	007	W-060305-AJ-050	06/03/05	15:05
HCX5C	008	S-060305-AJ-046	06/03/05	15:45
HCX5J	009	S-060305-AJ-047	06/03/05	15:48
HCX5K	010	GW-060305-AJ-048	06/03/05	16:48
HCX5M	011	GW-060305-AJ-049	06/03/05	16:58
HCX5Q	012	TRIP BLANK	06/03/05	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SEVERN TRENT STL

SHIPPING AND RECEIVING DOCUMENTS

CONESTOGA-ROVERS & ASSOCIATES
8615 W. Bryn Mawr Avenue
Chicago, Illinois 60631
(773)380-9933 phone
(773)380-6421 fax

CHAIN-OF-CUSTODY RECORD

SHIPPED TO (Laboratory Name): STL NORTH CANTON

REFERENCE NUMBER: 34891

PROJECT NAME: Evergreen Manor

SAMPLER'S SIGNATURE: [signature] **PRINTED NAME:** A. Jarrett

SEQ. No.	DATE	TIME	SAMPLE IDENTIFICATION No.	SAMPLE MATRIX	No. OF CONTAINERS	PARAMETERS: VOC	PARAMETERS: Pesticides									REMARKS
	6-3-05	740	S-060305-AJ-040	SOIL	4	X	X									
		850	GW-060305-AJ-041	WATER	3	X										
		1000	GW-060305-AJ-042		3	X										
		1142	043		3	X										
		1405	044		9	X										MSMSD
		1415	W-060305-AJ-045		3	X										~~MSMSD~~
		1505	W-060305-AJ-050		3	X										
		1545	S-060305-AJ-046	SOIL	11	X	X									MSMSD
		1548	S-060305-AJ-047	SOIL	4	X	X									
		1648	GW-060305-AJ-048	WATER	3	X										
		1658	GW-060305-AJ-049	WATER	3	X										
	6-3-05	—	TRIP BLANK	WATER	2											* FOR SATURDAY DELIVERY
			TOTAL NUMBER OF CONTAINERS		51											

RELINQUISHED BY: ① A. Jarrett	DATE: 6-3-05 TIME: 1900	RECEIVED BY: ②	DATE: TIME:
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: FEDEX **AIR BILL No.** 849013425902

White -Fully Executed Copy
Yellow -Receiving Laboratory Copy
Pink -Shipper Copy
Goldenrod -Sampler Copy

SAMPLE TEAM: A. Jarrett

RECEIVED FOR LABORATORY BY: [signature] DATE 6/4/05 TIME: 930

12270

STL North Canton

1001-00(SOURCE)GN-CO004

RSR280

Client: 1628

Lot #: A5F040126

Case Number/SDG: 34891

Storage Location: MS/W97 MS

Severn Trent Laboratories, Inc.
Sample Control Record

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
HCX36	MITEVD	6/04/05	Yes		Storage	
HCX4K	MITEVD	6/04/05	Yes		Storage	
HCX4N	MITEVD	6/04/05	Yes		Storage	
HCX4R	MITEVD	6/04/05	Yes		Storage	
HCX4X	MITEVD	6/04/05	Yes		Storage	
HCX41	MITEVD	6/04/05	Yes		Storage	
HCX48	MITEVD	6/04/05	Yes		Storage	
HCX5C	MITEVD	6/04/05	Yes		Storage	
HCX5J	MITEVD	6/04/05	Yes		Storage	
HCX5K	MITEVD	6/04/05	Yes		Storage	
HCX5M	MITEVD	6/04/05	Yes		Storage	
HCX5Q	MITEVD	6/04/05	Yes		Storage	

STL Cooler Receipt Form/Narrative **Lot Number:** A5F040126

North Canton Facility

Client: CSP Project: Evergreen Manor Quote#:

Cooler Received on: 6/4/05 Opened on: 6/4/05 by: Anne Sandberg (Signature)

Fedx ☑ Client Drop Off ☐ UPS ☐ DHL ☐ FAS ☐ Other:

STL Cooler No# Foam Box ☐ Client Cooler ☑ Other

1. Were custody seals on the outside of the cooler? Yes ☐ No ☑ Intact? Yes ☐ No ☐ NA ☑
   If YES, Quantity
   Were the custody seals signed and dated? Yes ☐ No ☐ NA ☑
2. Shipper's packing slip attached to this form? Yes ☑ No ☐ NA ☐
3. Did custody papers accompany the samples? Yes ☑ No ☐ Relinquished by client? Yes ☑ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☑ No ☐
5. Packing material used: Bubble Wrap ☑ Foam ☐ None ☐ Other :
6. Cooler temperature upon receipt 3.2 °C (see back of form for multiple coolers/temp)

METHOD: Temp Vial ☐ Coolant & Sample ☐ Against Bottles ☐ IR ☑ ICE/H_2O Slurry ☐

COOLANT: Wet Ice ☑ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐

7. Did all bottles arrive in good condition (Unbroken)? Yes ☑ No ☐
8. Could all bottle labels and/or tags be reconciled with the COC? Yes ☑ No ☐
9. Were samples at the correct pH? (record below/on back) Yes ☐ No ☐ NA ☑
10. Were correct bottles used for the tests indicated? Yes ☑ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☑ NA ☐
12. Sufficient quantity received to perform indicated analyses? Yes ☑ No ☐

Contacted PM _____ Date: _____ by: _____ via Voice Mail ☐ Verbal ☐ Other ☐

Concerning: _____

√	

1. CHAIN OF CUSTODY

The following discrepancies occurred:

2. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

3. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot # 030905-HNO3; Sulfuric Acid Lot # 102804-H2SO4; Sodium Hydroxide Lot # -100504-NaOH; Hydrochloric Acid Lot # 100504-HCl; Sodium Hydroxide and Zinc Acetate Lot # 071604-CH3COO2ZN/NaOH*

Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)

4. Other (see below or back)

Client ID	pH	Date	Initials

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Cooler	Temp	Method	Coolant

Discrepancies Cont.

GCMS VOLATILE DATA

QC SUMMARY DATA

SW846 8260B SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F040126

Extraction: XXA15MZ01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	INTRA-LAB QC	94	93	86	77	00
02	METHOD BLK. HC9LR1AA	92	92	87	83	00
03	METHOD BLK. HDDPA1AA	99	90	96	91	00
04	LCS HC9LR1AC	91	94	93	93	00
05	LCS HDDPA1AC	100	88	95	96	00
06	LAB MS/MSD D	89	88	91	90	00
07	LCSD HC9LR1AD	91	91	92	94	00
08	LCSD HDDPA1AD	98	86	95	97	00
09	LAB MS/MSD S	89	88	90	91	00

SURROGATES		QC LIMITS
SRG01	= Dibromofluoromethane	(59-138)
SRG02	= 1,2-Dichloroethane-d4	(61-130)
SRG03	= Toluene-d8	(60-143)
SRG04	= 4-Bromofluorobenzene	(47-158)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8260B SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F040126

Extraction: XXA4PQK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	S-060305-AJ-040	99	98	89	77	00
02	S-060305-AJ-046	98	88	97	88	00
03	S-060305-AJ-047	99	87	97	90	00
04	S-060305-AJ-046 D	97	84	95	94	00
05	S-060305-AJ-046 S	97	89	101	90	00

SURROGATES		QC LIMITS
SRG01	= Dibromofluoromethane	(59-138)
SRG02	= 1,2-Dichloroethane-d4	(61-130)
SRG03	= Toluene-d8	(60-143)
SRG04	= 4-Bromofluorobenzene	(47-158)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8260B SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F040126

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	GW-060305-AJ-041	115	103	111*	84	01
02	GW-060305-AJ-042	112	100	109	79	00
03	GW-060305-AJ-043	113	100	109	85	00
04	GW-060305-AJ-044	111	102	107	87	00
05	W-060305-AJ-045	106	97	106	84	00
06	W-060305-AJ-050	107	99	105	80	00
07	GW-060305-AJ-048	109	100	105	80	00
08	GW-060305-AJ-049	112	97	108	79	00
09	TRIP BLANK	107	93	106	81	00
10	METHOD BLK. HDR2X1AA	109	99	109	83	00
11	LCS HDR2X1AC	111	102	107	97	00
12	GW-060305-AJ-044 D	111	104	104	90	00
13	LCSD HDR2X1AD	108	109	106	97	00
14	GW-060305-AJ-044 S	109	100	103	94	00

SURROGATES		QC LIMITS
SRG01	= Dibromofluoromethane	(73-122)
SRG02	= 1,2-Dichloroethane-d4	(61-128)
SRG03	= Toluene-d8	(76-110)
SRG04	= 4-Bromofluorobenzene	(74-116)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F090000 WO #: HC9LR1AC
BATCH: 5160311

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	50	49	98	55- 142	
Trichloroethene	50	53	106	70- 131	
Benzene	50	51	102	75- 129	
Toluene	50	51	103	71- 130	
Chlorobenzene	50	51	102	75- 127	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F090000 WO #: HC9LR1AD
BATCH: 5160311

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	50	50	100	55- 142	
Trichloroethene	50	53	106	70- 131	
Benzene	50	50	100	75- 129	
Toluene	50	51	102	71- 130	
Chlorobenzene	50	50	99	75- 127	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F100000 WO #: HDDPA1AC
BATCH: 5161402

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	50	46	93	55- 142	
Trichloroethene	50	48	96	70- 131	
Benzene	50	44	88	75- 129	
Toluene	50	40	81	71- 130	
Chlorobenzene	50	44	88	75- 127	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F100000 WO #: HDDPA1AD
BATCH: 5161402

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	50	47	93	55- 142	
Trichloroethene	50	47	95	70- 131	
Benzene	50	44	89	75- 129	
Toluene	50	41	81	71- 130	
Chlorobenzene	50	44	88	75- 127	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F170000 WO #: HDR2X1AC
BATCH: 5168046

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	10	105	63- 130	
Trichloroethene	10	11	106	75- 122	
Benzene	10	10	101	80- 116	
Toluene	10	10	103	74- 119	
Chlorobenzene	10	10	101	76- 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F170000 WO #: HDR2X1AD
BATCH: 5168046

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	11	108	63- 130	
Trichloroethene	10	11	110	75- 122	
Benzene	10	10	102	80- 116	
Toluene	10	10	102	74- 119	
Chlorobenzene	10	10	101	76- 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Matrix Spike ID: S-060305-AJ-046

Lot #: A5F040126 WO #: HCX5C1AC
BATCH: 5161402

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	56	ND	68	121	43- 147	
Trichloroethene	56	ND	67	119	46- 143	
Benzene	56	ND	60	107	55- 138	
Toluene	56	ND	59	105	46- 147	
Chlorobenzene	56	ND	57	103	49- 139	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Matrix Spike ID: S-060305-AJ-046

Lot #: A5F040126 WO #: HCX5C1AD
BATCH: 5161402

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	62	54	88	23	27	43- 147	
Trichloroethene	62	59	97	12	23	46- 143	
Benzene	62	53	86	12	20	55- 138	
Toluene	62	49	80	17	24	46- 147	
Chlorobenzene	62	53	86	8.4	22	49- 139	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

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 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Matrix Spike ID: GW-060305-AJ-044

Lot #: A5F040126 WO #: HCX4X1AC
BATCH: 5168046

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	10	ND	10	103	62- 130	
Trichloroethene	10	0.57	11	102	62- 130	
Benzene	10	ND	10	99	78- 118	
Toluene	10	0.21	10	99	70- 119	
Chlorobenzene	10	ND	9.8	98	76- 117	

NOTES(S):

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Matrix Spike ID: GW-060305-AJ-044

Lot #: A5F040126 WO #: HCX4X1AD
BATCH: 5168046

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	11	108	5.0	20	62 - 130	
Trichloroethene	10	11	104	1.4	20	62 - 130	
Benzene	10	10	102	2.7	20	78 - 118	
Toluene	10	10	100	0.74	20	70 - 119	
Chlorobenzene	10	9.8	98	0.34	20	76 - 117	

NOTES(S):

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 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Matrix Spike ID: LAB MS/MSD Level:(low/med) LOW

Lot #: A5F030150 WO #: HCVAQ1AG
BATCH: 5160311

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	57	ND	54	93	43- 147	
Trichloroethene	57	7.0	60	92	46- 143	
Benzene	57	ND	53	93	55- 138	
Toluene	57	ND	53	92	46- 147	
Chlorobenzene	57	ND	48	84	49- 139	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN SDG No:

Matrix Spike ID: LAB MS/MSD Level:(low/med) LOW

Lot #: A5F030150 WO #: HCVAQ1AH
BATCH: 5160311

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	57	53	93	0.82	27	43- 147	
Trichloroethene	57	64	99	6.2	23	46- 143	
Benzene	57	54	94	1.4	20	55- 138	
Toluene	57	56	98	5.7	24	46- 147	
Chlorobenzene	57	51	88	4.4	22	49- 139	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

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 5 outside limits

COMMENTS:

FORM III

BLANK WORKORDER NO.

HC9LR1AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:

Lab File ID: UX71024.D

Lot Number: A5F040126

Date Analyzed: 06/08/05

Time Analyzed: 12:31

Matrix: SOLID

Date Extracted:06/08/05

GC Column: DB 624 ID: .18

Extraction Method: 5035

Instrument ID: UX7

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	INTRA-LAB QC	HCVAQ1AD	UX71027.D	06/08/05	13:45
02	LAB MS/MSD	HCVAQ1AG S	UX71028.D	06/08/05	14:09
03	LAB MS/MSD	HCVAQ1AH D	UX71029.D	06/08/05	14:33
04	S-060305-AJ-040	HCX361AA	UX71046.D	06/08/05	21:29
05	CHECK SAMPLE	HC9LR1AC C	UX71022.D	06/08/05	11:42
06	DUPLICATE CHECK	HC9LR1AD L	UX71023.D	06/08/05	12:06
07					
08					
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27					
28					
29					
30					

COMMENTS:

FORM IV

BLANK WORKORDER NO.

HDR2X1AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:

Lab File ID: UX94192.D

Lot Number: A5F040126

Date Analyzed: 06/16/05

Time Analyzed: 18:50

Matrix: WATER

Date Extracted:06/16/05

GC Column: DB 624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX9

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	GW-060305-AJ-041	HCX4K1AA	UX94201.D	06/16/05	22:09
02	GW-060305-AJ-042	HCX4N1AA	UX94202.D	06/16/05	22:31
03	GW-060305-AJ-043	HCX4R1AA	UX94203.D	06/16/05	22:53
04	GW-060305-AJ-044	HCX4X1AA	UX94204.D	06/16/05	23:15
05	GW-060305-AJ-044	HCX4X1AC S	UX94205.D	06/16/05	23:37
06	GW-060305-AJ-044	HCX4X1AD D	UX94206.D	06/17/05	00:00
07	W-060305-AJ-045	HCX411AA	UX94207.D	06/17/05	00:22
08	W-060305-AJ-050	HCX481AA	UX94208.D	06/17/05	00:44
09	GW-060305-AJ-048	HCX5K1AA	UX94209.D	06/17/05	01:06
10	GW-060305-AJ-049	HCX5M1AA	UX94210.D	06/17/05	01:29
11	TRIP BLANK	HCX5Q1AA	UX94211.D	06/17/05	01:51
12	CHECK SAMPLE	HDR2X1AC C	UX94191.D	06/16/05	18:28
13	DUPLICATE CHECK	HDR2X1AD L	UX94193.D	06/16/05	19:12
14					
15					
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COMMENTS:

FORM IV

BLANK WORKORDER NO.

HDDPA1AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:

Lab File ID: 141850.D

Lot Number: A5F040126

Date Analyzed: 06/09/05

Time Analyzed: 15:15

Matrix: SOLID

Date Extracted:06/09/05

GC Column: DB624 ID: .18

Extraction Method: 5035

Instrument ID: UX14

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	S-060305-AJ-046	HCX5C1AA	141859.D	06/09/05	18:52
02	S-060305-AJ-046	HCX5C1AC S	141860.D	06/09/05	19:15
03	S-060305-AJ-046	HCX5C1AD D	141861.D	06/09/05	19:39
04	S-060305-AJ-047	HCX5J1AA	141862.D	06/09/05	20:03
05	CHECK SAMPLE	HDDPA1AC C	141848.D	06/09/05	14:27
06	DUPLICATE CHECK	HDDPA1AD L	141849.D	06/09/05	14:51
07					
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COMMENTS:

FORM IV

VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5F040126

Lab File ID: BFB590 BFB Injection Date: 06/04/05

Instrument ID: A3UX7 BFB Injection Time: 1632

Matrix:(soil/water) SOIL Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.5
75	30.0 - 60.0% of mass 95	46.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.8
173	Less than 2.0% of mass 174	0.8 (1.0)1
174	50.0 - 100.0% of mass 95	79.1
175	5.0 - 9.0% of mass 174	5.8 (7.3)1
176	Greater than 95.0%, but less than 101.0% of mass 174	76.1 (96.2)1
177	5.0 - 9.0% of mass 176	4.2 (5.5)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD200	1000NG-IC	UX70950	06/04/05	1717
02	VSTD100	500NG-IC	UX70951	06/04/05	1741
03	VSTD050	250NG-IC	UX70952	06/04/05	1806
04	VSTD020	100NG-IC	UX70953	06/04/05	1830
05	VSTD010	50NG-IC	UX70954	06/04/05	1855
06	VSTD005	25NG-IC	UX70955	06/04/05	1919
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22					

VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5F040126

Lab File ID: BFB593 BFB Injection Date: 06/08/05

Instrument ID: A3UX7 BFB Injection Time: 1031

Matrix:(soil/water) SOIL Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.2
75	30.0 - 60.0% of mass 95	45.2
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	50.0 - 100.0% of mass 95	79.4
175	5.0 - 9.0% of mass 174	4.9 (6.1)1
176	Greater than 95.0%, but less than 101.0% of mass 174	75.6 (95.1)1
177	5.0 - 9.0% of mass 176	5.4 (7.2)2

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

THIS TUNE 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	250NG-CC	UX71021	06/08/05	1117
02	HC9LR-CHK	HC9LR1AC	UX71022	06/08/05	1142
03	HC9LR-CKDUP	HC9LR1AD	UX71023	06/08/05	1206
04	HC9LR-BLK	HC9LR1AA	UX71024	06/08/05	1231
05	S-060305-AJ-	HCX361AA	UX71046	06/08/05	2129
06					
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FORM V VOA 1/87 Rev.

VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5F040126

Lab File ID: BFB241 BFB Injection Date: 06/13/05

Instrument ID: A3UX9 BFB Injection Time: 1852

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	27.1
75	30.0 - 60.0% of mass 95	47.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	65.8
175	5.0 - 9.0% of mass 174	4.8 (7.4)1
176	Greater than 95.0%, but less than 101.0% of mass 174	64.6 (98.1)1
177	5.0 - 9.0% of mass 176	4.6 (7.1)2

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

THIS TUNE 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	250NG-IC	UX94051	06/13/05	1937
02	VSTD020	100NG-IC	UX94052	06/13/05	1959
03	VSTD010	50NG-IC	UX94053	06/13/05	2021
04	VSTD005	25NG-IC	UX94054	06/13/05	2043
05	VSTD001	5NG-IC	UX94055	06/13/05	2106
06	VSTD0.5	2.5NG-IC	UX94056	06/13/05	2128
07					
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19					
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21					
22					

page 1 of 1

FORM V VOA 1/87 Rev.

VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5F040126

Lab File ID: BFB248 BFB Injection Date: 06/16/05

Instrument ID: A3UX9 BFB Injection Time: 1719

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	29.9
75	30.0 - 60.0% of mass 95	50.6
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	0.6 (0.8)1
174	50.0 - 120.0% of mass 95	77.8
175	5.0 - 9.0% of mass 174	5.2 (6.7)1
176	Greater than 95.0%, but less than 101.0% of mass 174	74.1 (95.3)1
177	5.0 - 9.0% of mass 176	6.6 (8.9)2

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

THIS TUNE 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	50NG-CC	UX94190	06/16/05	1805
02	HDR2X-CHK	HDR2X1AC	UX94191	06/16/05	1828
03	HDR2X-BLK	HDR2X1AA	UX94192	06/16/05	1850
04	HDR2X-CKDUP	HDR2X1AD	UX94193	06/16/05	1912
05	GW-060305-AJ	HCX4K1AA	UX94201	06/16/05	2209
06	GW-060305-AJ	HCX4N1AA	UX94202	06/16/05	2231
07	GW-060305-AJ	HCX4R1AA	UX94203	06/16/05	2253
08	GW-060305-AJ	HCX4X1AA	UX94204	06/16/05	2315
09	GW-060305-AJ	HCX4X1AC	UX94205	06/16/05	2337
10	GW-060305-AJ	HCX4X1AD	UX94206	06/17/05	0000
11	GW-060305-AJ	HCX411AA	UX94207	06/17/05	0022
12	W-060305-AJ-	HCX481AA	UX94208	06/17/05	0044
13	GW-060305-AJ	HCX5K1AA	UX94209	06/17/05	0106
14	GW-060305-AJ	HCX5M1AA	UX94210	06/17/05	0129
15	TRIP BLANK	HCX5Q1AA	UX94211	06/17/05	0151
16					
17					
18					
19					
20					
21					
22					

page 1 of 1

FORM V VOA 1/87 Rev.

VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5F040126

Lab File ID: BFB14536 BFB Injection Date: 05/17/05

Instrument ID: A3UX14 BFB Injection Time: 1120

Matrix:(soil/water) SOIL Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.4
75	30.0 - 60.0% of mass 95	43.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.6
173	Less than 2.0% of mass 174	0.4 (0.7)1
174	50.0 - 120.0% of mass 95	62.9
175	5.0 - 9.0% of mass 174	4.5 (7.2)1
176	Greater than 95.0%, but less than 101.0% of mass 174	59.9 (95.3)1
177	5.0 - 9.0% of mass 176	3.8 (6.4)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD200	1000NG-IC	141135	05/17/05	1205
02	VSTD100	500NG-IC	141136	05/17/05	1229
03	VSTD050	250NG-IC	141137	05/17/05	1253
04	VSTD020	100NG-IC	141138	05/17/05	1317
05	VSTD010	50NG-IC	141139	05/17/05	1342
06	VSTD005	25NG-IC	141140	05/17/05	1405
07	VSTD002	10NG-IC	141141	05/17/05	1429
08	VSTD001	5NG-IC	141142	05/17/05	1453
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5F040126

Lab File ID: BFB14558 BFB Injection Date: 06/09/05

Instrument ID: A3UX14 BFB Injection Time: 1254

Matrix:(soil/water) SOIL Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.4
75	30.0 - 60.0% of mass 95	38.8
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	0.3 (0.4)1
174	50.0 - 120.0% of mass 95	67.4
175	5.0 - 9.0% of mass 174	4.6 (6.8)1
176	Greater than 95.0%, but less than 101.0% of mass 174	64.9 (96.2)1
177	5.0 - 9.0% of mass 176	4.1 (6.4)2

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

THIS TUNE 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	250NG-CC	141846	06/09/05	1338
02	HDDPA-CHK	HDDPA1AC	141848	06/09/05	1427
03	HDDPA-CKDUP	HDDPA1AD	141849	06/09/05	1451
04	HDDPA-BLK	HDDPA1AA	141850	06/09/05	1515
05	S-060305-AJ-	HCX5C1AA	141859	06/09/05	1852
06	S-060305-AJ-	HCX5C1AC	141860	06/09/05	1915
07	S-060305-AJ-	HCX5C1AD	141861	06/09/05	1939
08	S-060305-AJ-	HCX5J1AA	141862	06/09/05	2003
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5F040126

Lab File ID (Standard): UX71021 Date Analyzed: 06/08/05

Instrument ID: A3UX7 Time Analyzed: 1117

Matrix:(soil/water) SOIL Level:(low/med) LOW Column:(pack/cap) CAP

		IS1 AREA #	RT	IS2(CBZ) AREA #	RT	IS3(DCB) AREA #	RT
	12 HOUR STD	1189590	4.77	778679	7.42	368341	9.65
	UPPER LIMIT	2379180	5.27	1557358	7.92	736682	10.15
	LOWER LIMIT	594795	4.27	389340	6.92	184171	9.15
	EPA SAMPLE NO.						
01	HC9LR-CHK	1129809	4.77	740789	7.42	341978	9.65
02	HC9LR-CKDUP	1068963	4.78	704158	7.42	326175	9.65
03	HC9LR-BLK	1026498	4.78	685484	7.42	294225	9.65
04	S-060305-AJ-	812874	4.77	554748	7.42	243534	9.65
05							
06							
07							
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18							
19							
20							
21							
22							

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk.

FORM VIII VOA 1/87 Rev.

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5F040126

Lab File ID (Standard): UX94190 Date Analyzed: 06/16/05

Instrument ID: A3UX9 Time Analyzed: 1805

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

		IS1(CBZ) AREA #	RT	IS2(DCB) AREA #	RT	IS3 AREA #	RT
	12 HOUR STD	522508	7.75	229239	9.98	727459	5.10
	UPPER LIMIT	1045016	8.25	458478	10.48	1454918	5.60
	LOWER LIMIT	261254	7.25	114620	9.48	363730	4.60
	EPA SAMPLE NO.						
01	HDR2X-CHK	517663	7.75	199830	9.99	734334	5.10
02	HDR2X-BLK	476780	7.75	164839	9.98	696634	5.10
03	HDR2X-CKDUP	506284	7.75	205056	9.99	710797	5.10
04	GW-060305-AJ	460869	7.75	158481	9.98	672677	5.10
05	GW-060305-AJ	465819	7.75	159674	9.99	681374	5.10
06	GW-060305-AJ	461998	7.75	167256	9.99	678735	5.10
07	GW-060305-AJ	468341	7.75	168513	9.98	671379	5.10
08	GW-060305-AJ	510313	7.75	206891	9.98	716235	5.10
09	GW-060305-AJ	510525	7.75	200552	9.97	696813	5.10
10	GW-060305-AJ	462081	7.75	158142	9.99	696424	5.10
11	W-060305-AJ-	459931	7.75	157340	9.98	689496	5.10
12	GW-060305-AJ	463642	7.75	160158	9.99	688195	5.10
13	GW-060305-AJ	458273	7.75	156197	9.98	691393	5.10
14	TRIP BLANK	454404	7.75	157892	9.99	669594	5.10
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DCB) = 1,4-Dichlorobenzene-d4
IS3 = Fluorobenzene

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk.

FORM VIII VOA 1/87 Rev.

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5F040126

Lab File ID (Standard): 141846 Date Analyzed: 06/09/05

Instrument ID: A3UX14 Time Analyzed: 1338

Matrix:(soil/water) SOIL Level:(low/med) LOW Column:(pack/cap) CAP

		IS1(CBZ) AREA #	RT	IS2 AREA #	RT	IS3(DCB) AREA #	RT
	12 HOUR STD	982032	7.16	1889841	4.69	292102	9.33
	UPPER LIMIT	1964064	7.66	3779682	5.19	584204	9.83
	LOWER LIMIT	491016	6.66	944921	4.19	146051	8.83
	EPA SAMPLE NO.						
01	HDDPA-CHK	1014490	7.16	1920467	4.69	279602	9.33
02	HDDPA-CKDUP	1009236	7.16	1929767	4.69	287302	9.33
03	HDDPA-BLK	920571	7.16	1841072	4.69	263053	9.33
04	S-060305-AJ-	924683	7.16	1877029	4.69	251110	9.33
05	S-060305-AJ-	214368*	7.17	448406*	4.69	56136*	9.33
06	S-060305-AJ-	1008616	7.16	1922847	4.69	275526	9.33
07	S-060305-AJ-	913155	7.16	1856599	4.69	249282	9.33
08							
09							
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18							
19							
20							
21							
22							

IS1 (CBZ) = Chlorobenzene-d5
IS2 = Fluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d4

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk.

SAMPLE DATA

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-060305-AJ-040

GC/MS Volatiles

Lot-Sample #...: A5F040126-001 **Work Order #...:** HCX361AA **Matrix.....:** SO
Date Sampled...: 06/03/05 07:40 **Date Received..:** 06/04/05
Prep Date.....: 06/08/05 **Analysis Date..:** 06/08/05
Prep Batch #...: 5160311
Dilution Factor: 1.16 **Initial Wgt/Vol:** 5 g **Final Wgt/Vol..:** 5 mL
% Moisture.....: 5.5 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	25	ug/kg
Benzene	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
Bromomethane	ND	6.1	ug/kg
2-Butanone	ND	25	ug/kg
Carbon disulfide	**0.29 J,B**	**6.1**	**ug/kg**
Carbon tetrachloride	ND	6.1	ug/kg
Chlorobenzene	ND	6.1	ug/kg
Chloroethane	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
Chloromethane	ND	6.1	ug/kg
Cyclohexane	ND	12	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,2-Dibromo-3-chloro-propane	ND	12	ug/kg
1,2-Dibromoethane	ND	6.1	ug/kg
1,2-Dichlorobenzene	ND	6.1	ug/kg
1,3-Dichlorobenzene	ND	6.1	ug/kg
1,4-Dichlorobenzene	ND	6.1	ug/kg
Dichlorodifluoromethane	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
cis-1,2-Dichloroethene	ND	6.1	ug/kg
trans-1,2-Dichloroethene	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
2-Hexanone	ND	25	ug/kg
Isopropylbenzene	ND	6.1	ug/kg
Methyl acetate	ND	12	ug/kg
Methylene chloride	**4.5 J**	**6.1**	**ug/kg**
Methylcyclohexane	ND	12	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
Methyl tert-butyl ether	ND	25	ug/kg
Styrene	ND	6.1	ug/kg

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-060305-AJ-040

GC/MS Volatiles

Lot-Sample #...: A5F040126-001 **Work Order #...:** HCX361AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
Toluene	ND	6.1	ug/kg
1,2,4-Trichloro-benzene	ND	6.1	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Trichlorofluoromethane	ND	6.1	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	6.1	ug/kg
Vinyl chloride	ND	6.1	ug/kg
Xylenes (total)	ND	12	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(59 - 138)
1,2-Dichloroethane-d4	98	(61 - 130)
Toluene-d8	89	(60 - 143)
4-Bromofluorobenzene	77	(47 - 158)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71046.D
Report Date: 09-Jun-2005 12:20

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71046.D
Lab Smp Id: HCX361AA Client Smp ID: S-060305-AJ-040
Inj Date : 08-JUN-2005 21:29
Operator : 2807 Inst ID: a3ux7.i
Smp Info : HCX361AA,4.29G/5ML
Misc Info : U50608A,8260SUX7,1-8260.SUB,2807
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\8260SUX7.m
Meth Date : 08-Jun-2005 10:36 macenczaks Quant Type: ISTD
Cal Date : 04-JUN-2005 18:06 Cal File: UX70952.D
Als bottle: 27
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	4.290	Sample Volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Fluorobenzene	96	4.774	4.771	(1.000)	812874	250.000	
* 2 Chlorobenzene-d5	117	7.420	7.418	(1.000)	554748	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.653	9.650	(1.000)	243534	250.000	
$ 4 Dibromofluoromethane	113	4.214	4.212	(0.883)	204738	247.001	57.576
$ 5 1,2-Dichloroethane-d4	65	4.494	4.492	(0.941)	232141	246.205	57.390
$ 6 Toluene-d8	98	6.124	6.122	(1.283)	791153	221.546	51.642
$ 7 Bromofluorobenzene	95	8.527	8.525	(1.149)	250115	191.606	44.663
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.487	2.472	(0.521)	16386	12.1000	2.820
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.633	2.630	(0.551)	3976	1.16654	0.2719
21 Methylene Chloride	84	2.821	2.819	(0.591)	45486	18.0816	4.215

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

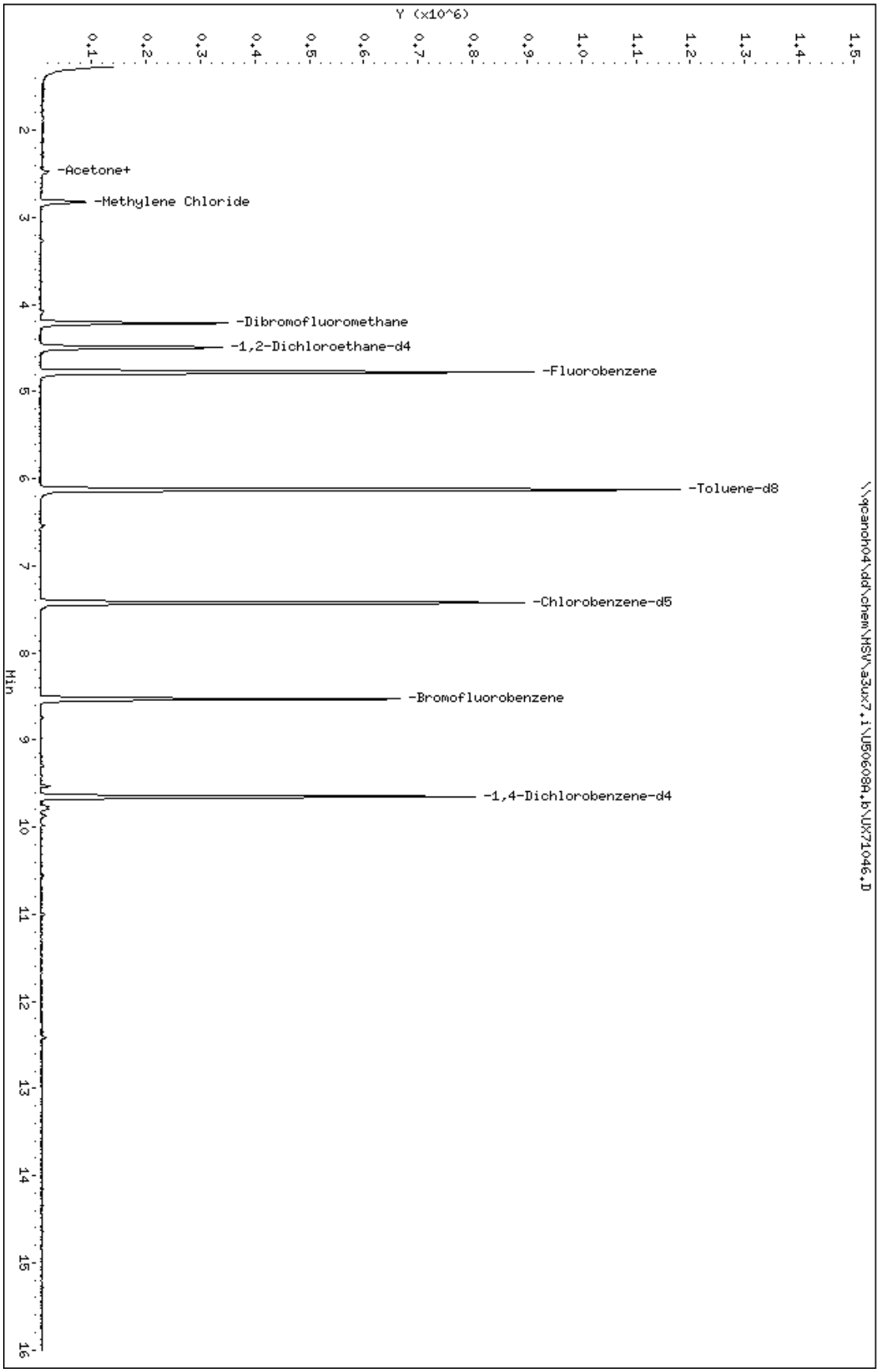
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71046.D
Report Date: 09-Jun-2005 12:20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71046.D
Report Date: 09-Jun-2005 12:20

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					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Date : 08-JUN-2005 21:29
Client ID: S-060305-AJ-040
Sample Info: HCX361AA,4.29G/5ML
Purge Volume: 4.3
Column Phase: DB624
Instrument: a3ux7.i
Operator: 2807
Column diameter: 0.18
\\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71046.D
Y (x10^6)
Min
-Acetone+
-Methylene Chloride
-Dibromofluoromethane
-1,2-Dichloroethane-d4
-Fluorobenzene
-Toluene-d8
-Chlorobenzene-d5
-Bromofluorobenzene
-1,4-Dichlorobenzene-d4

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71046.D

Date : 08-JUN-2005 21:29

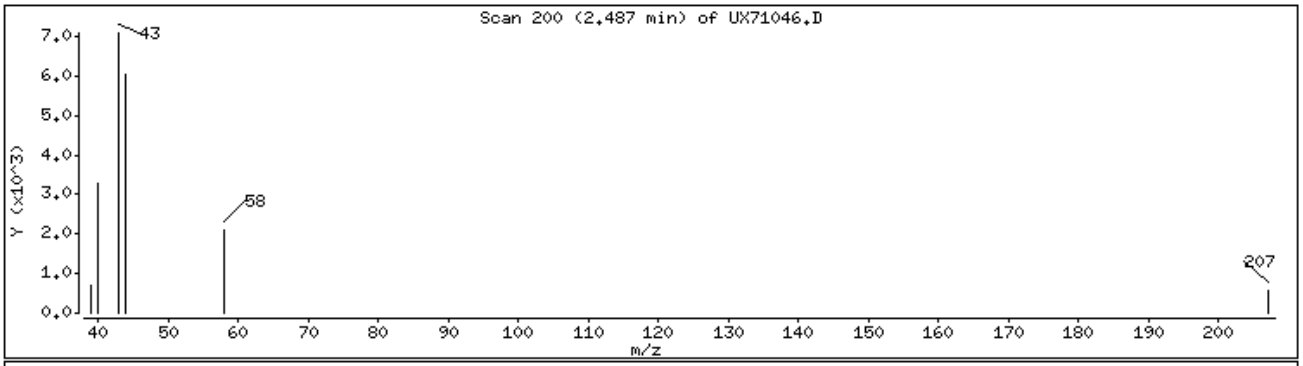
Client ID: S-060305-AJ-040 Instrument: a3ux7.i

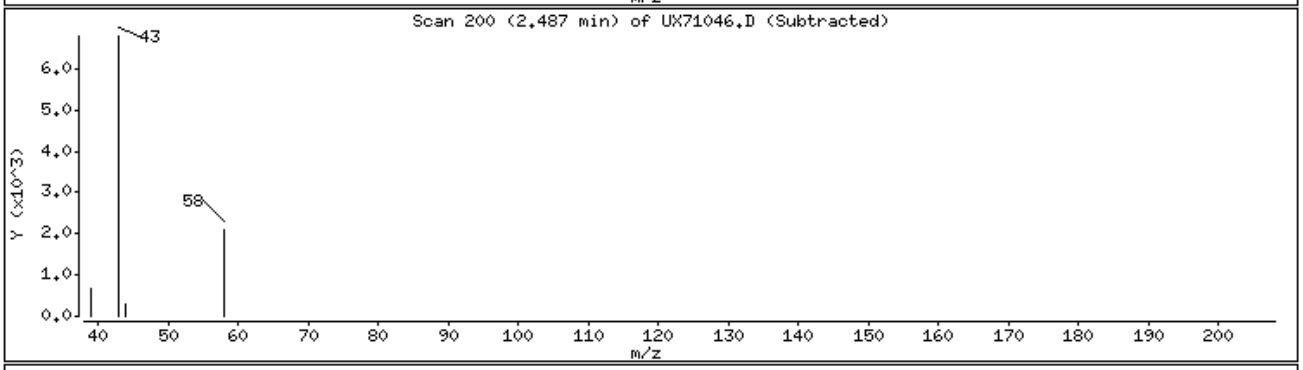
Sample Info: HCX361AA,4.29G/5ML

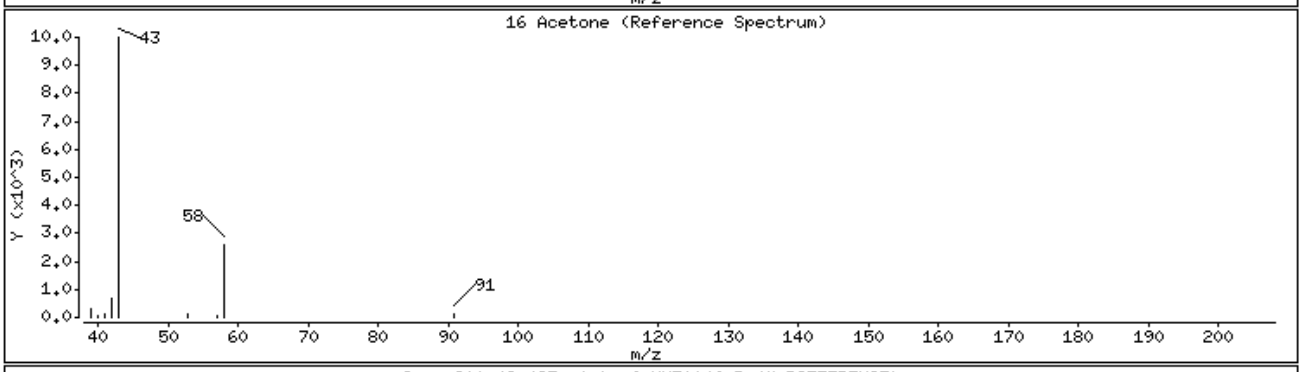
Purge Volume: 4.3 Operator: 2807

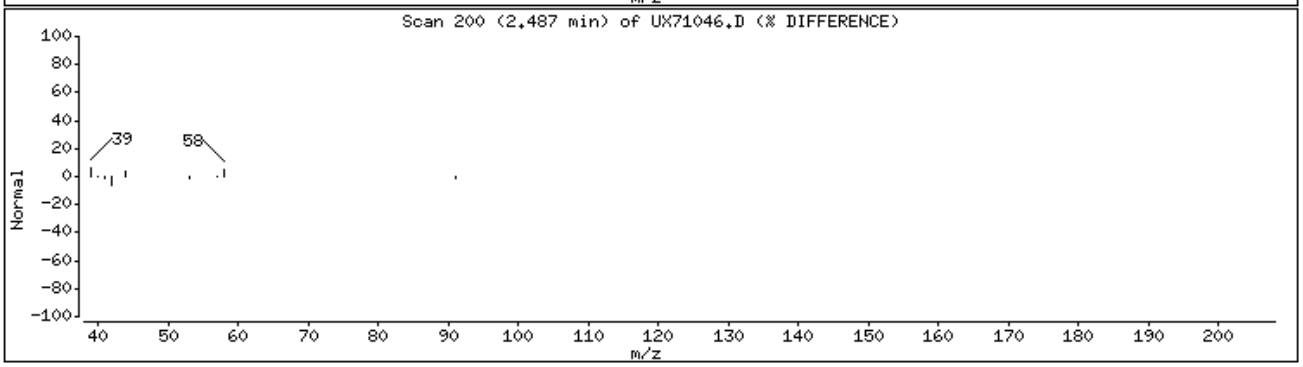
Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 2.820 UG/KG









Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71046.D

Date : 08-JUN-2005 21:29

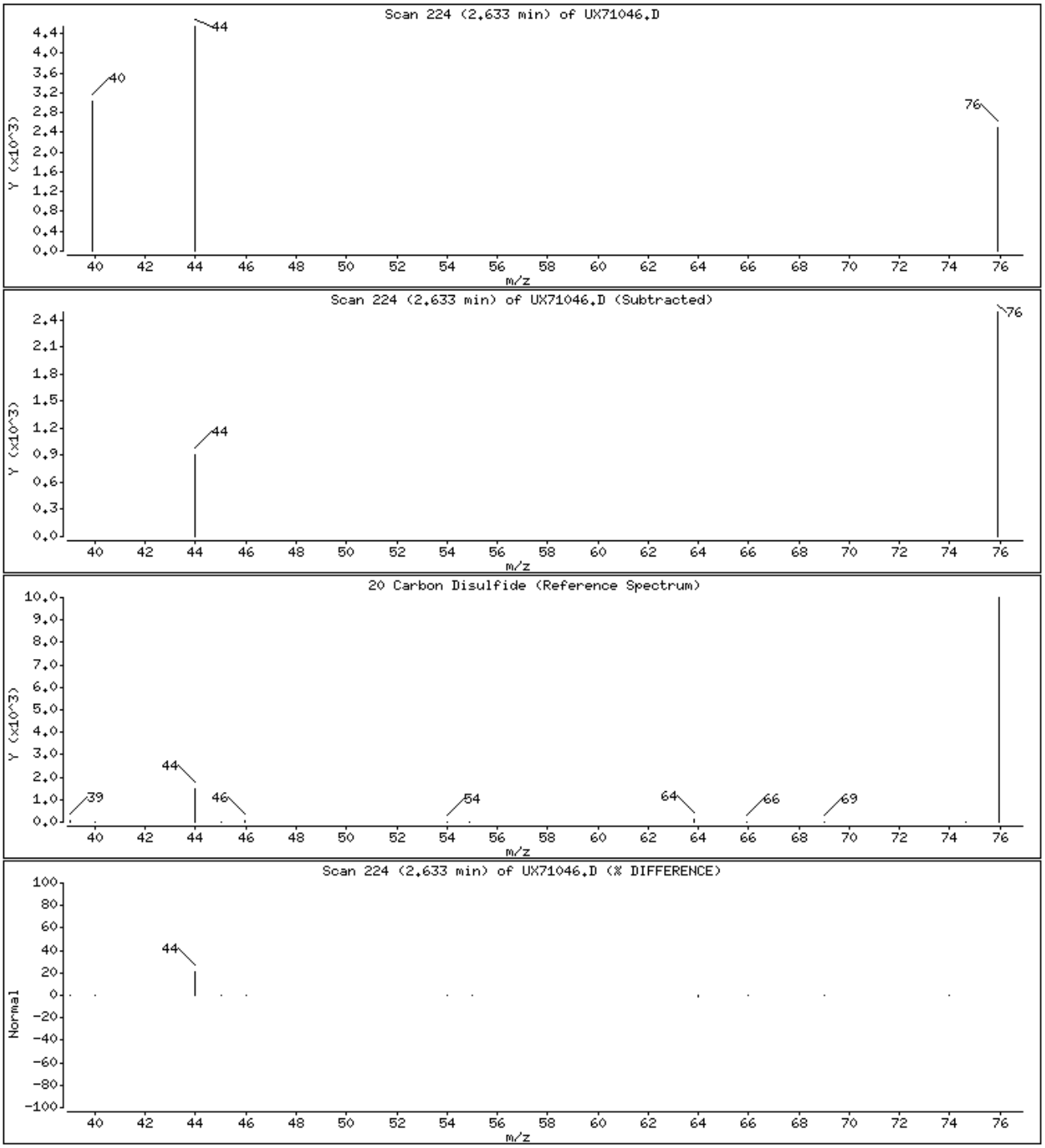
Client ID: S-060305-AJ-040 Instrument: a3ux7.i

Sample Info: HCX361AA,4.29G/5ML

Purge Volume: 4.3 Operator: 2807

Column phase: DB624 Column diameter: 0.18

20 Carbon Disulfide Concentration: 0.2719 UG/KG



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71046.D

Date : 08-JUN-2005 21:29

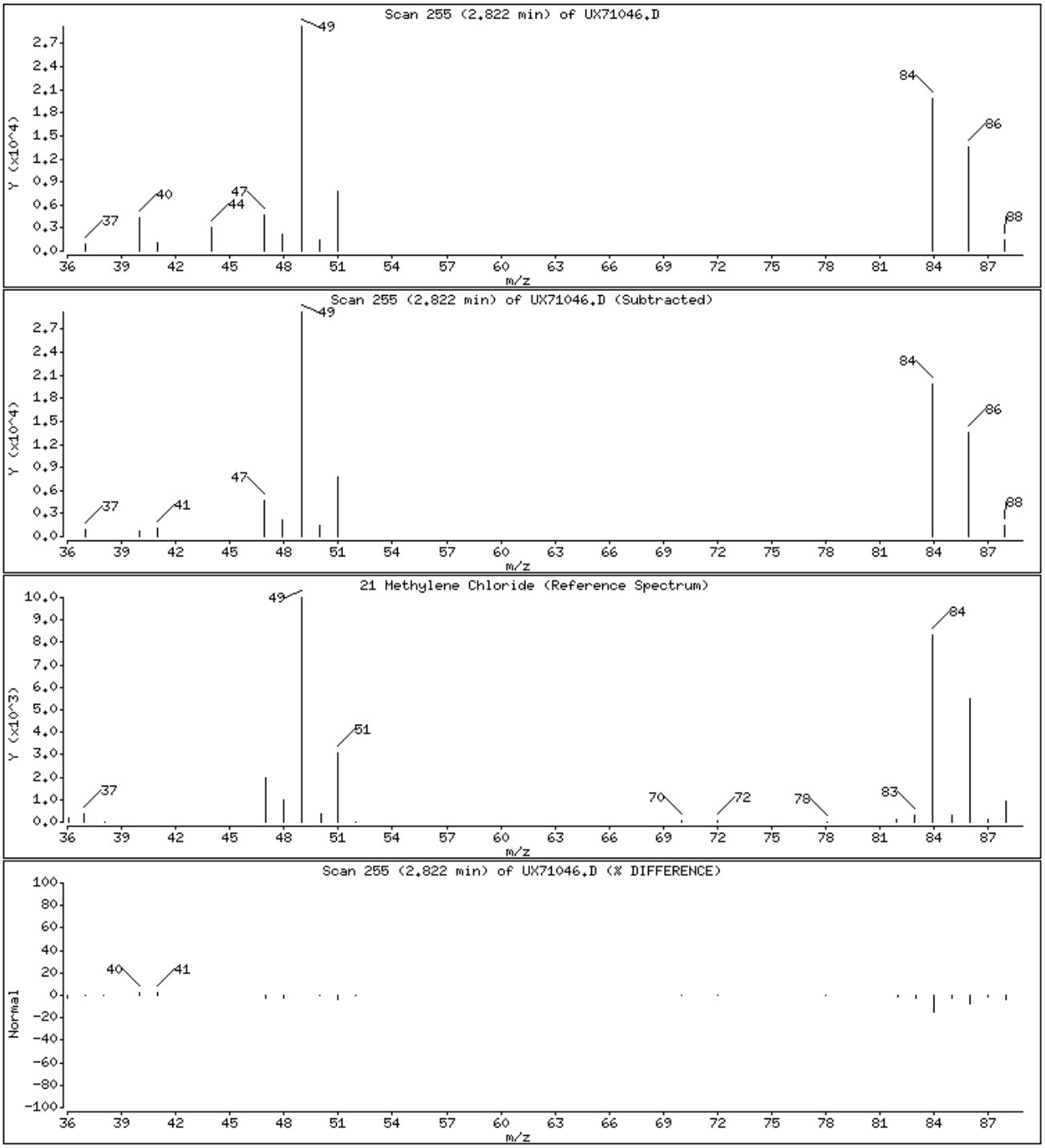
Client ID: S-060305-AJ-040 Instrument: a3ux7.i

Sample Info: HCX361AA,4.29G/5ML

Purge Volume: 4.3 Operator: 2807

Column phase: DB624 Column diameter: 0.18

21 Methylene Chloride Concentration: 4.215 UG/KG



Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-060305-AJ-041

GC/MS Volatiles

Lot-Sample #...: A5F040126-002 **Work Order #...:** HCX4K1AA **Matrix.....:** WG
Date Sampled...: 06/03/05 08:50 **Date Received..:** 06/04/05
Prep Date.....: 06/16/05 **Analysis Date..:** 06/16/05
Prep Batch #...: 5168046
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**0.84 J,B**	**10**	**ug/L**
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-060305-AJ-041

GC/MS Volatiles

Lot-Sample #...: A5F040126-002 **Work Order #...:** HCX4K1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	**0.25 J**	**1.0**	**ug/L**
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**0.48 J**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	115	(73 - 122)
1,2-Dichloroethane-d4	103	(61 - 128)
Toluene-d8	111 *	(76 - 110)
4-Bromofluorobenzene	84	(74 - 116)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94201.D
Report Date: 17-Jun-2005 07:13

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94201.D
Lab Smp Id: HCX4K1AA Client Smp ID: GW-060305-AJ-041
Inj Date : 16-JUN-2005 22:09
Operator : 1819 Inst ID: a3ux9.i
Smp Info : HCX4K1AA,5ML/5ML
Misc Info : N50616B,8260MIUX9,2-8260.SUB,1819
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50616B.b\8260MIUX9.m
Meth Date : 16-Jun-2005 18:20 Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.098	5.097	(1.000)	672677	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	460869	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	158481	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	156562	57.5154	11.503
$ 5 1,2-Dichloroethane-d4	65	4.825	4.825	(0.947)	192708	51.5961	10.319
$ 6 Toluene-d8	98	6.446	6.446	(0.832)	728949	55.4984	11.100(R)
$ 7 Bromofluorobenzene	95	8.849	8.848	(1.142)	198398	41.8274	8.365
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.790	2.790	(0.547)	9572	4.18440	0.8369
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94201.D
Report Date: 17-Jun-2005 07:13

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.577	4.576	(0.898)	5585	1.25186	0.2504
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	5.405	5.405	(1.060)	8712	2.39560	0.4791
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.506	6.505	(0.840)	8900	0.54805	0.1096
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94201.D
Report Date: 17-Jun-2005 07:13

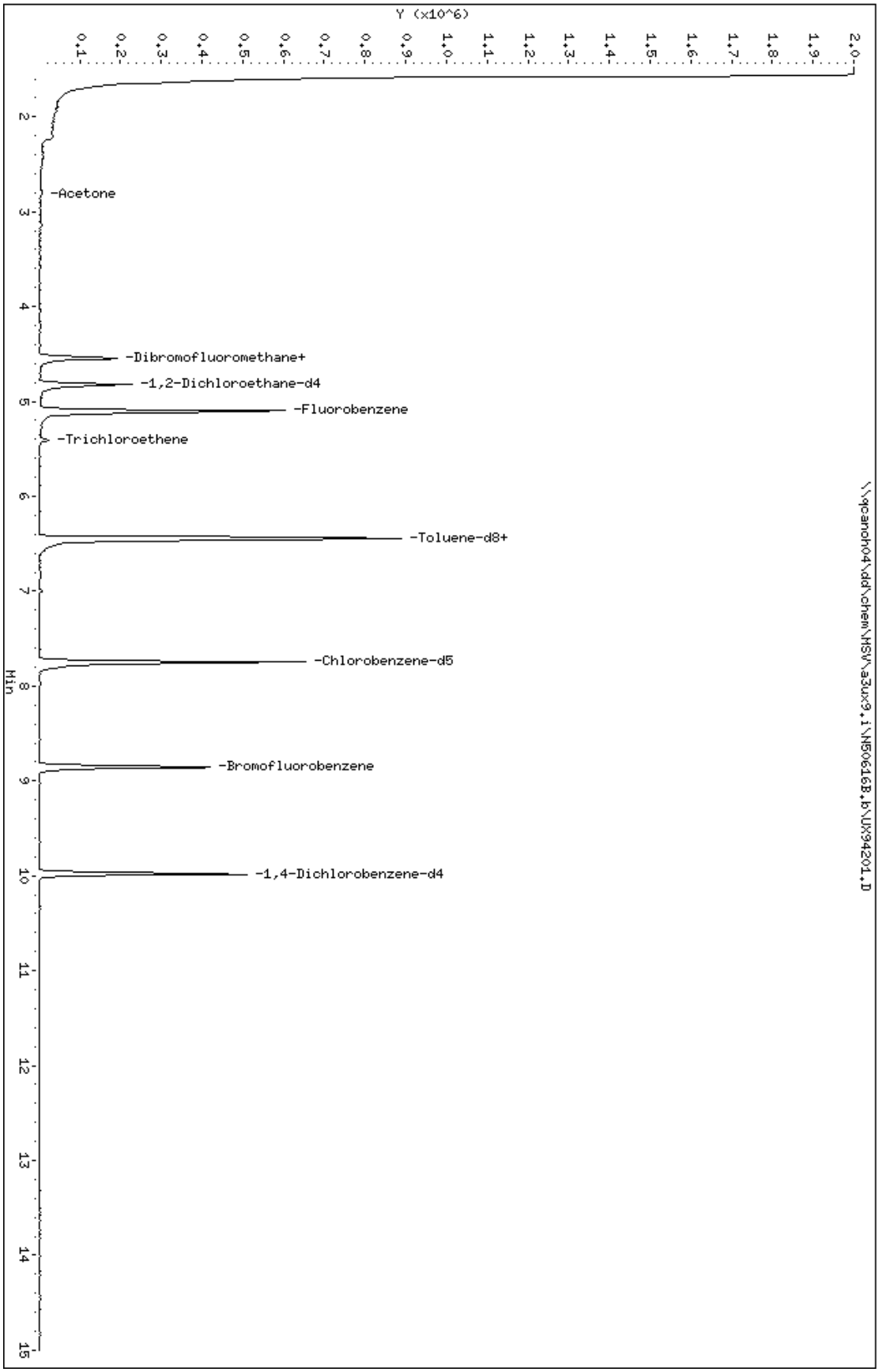
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94201.D
Date : 16-JUN-2005 22:09
Client ID: GW-060305-AJ-041
Sample Info: HCX4K1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94201.D

Date : 16-JUN-2005 22:09

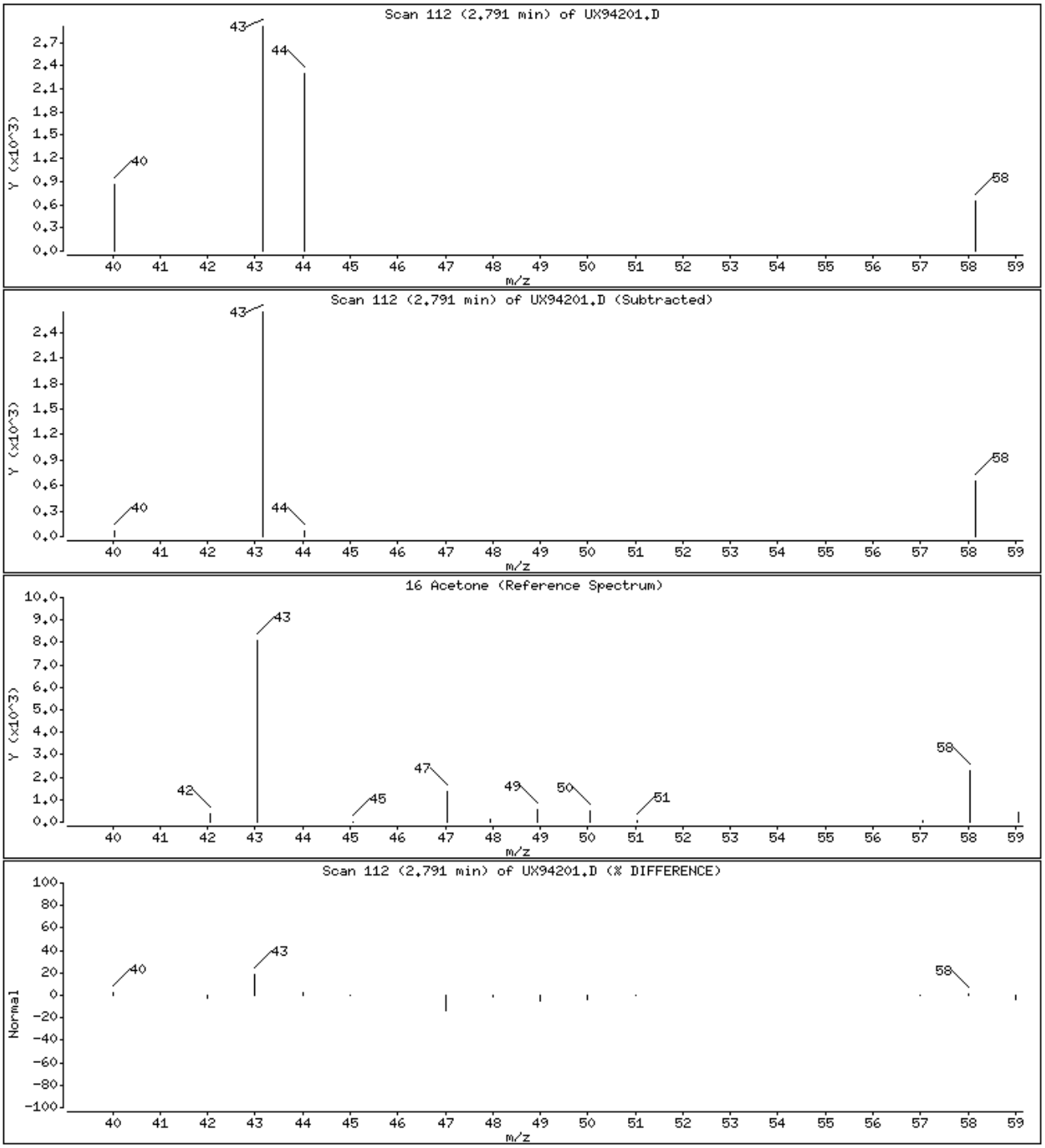
Client ID: GW-060305-AJ-041 Instrument: a3ux9.i

Sample Info: HCX4K1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 0.8369 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94201.D

Date : 16-JUN-2005 22:09

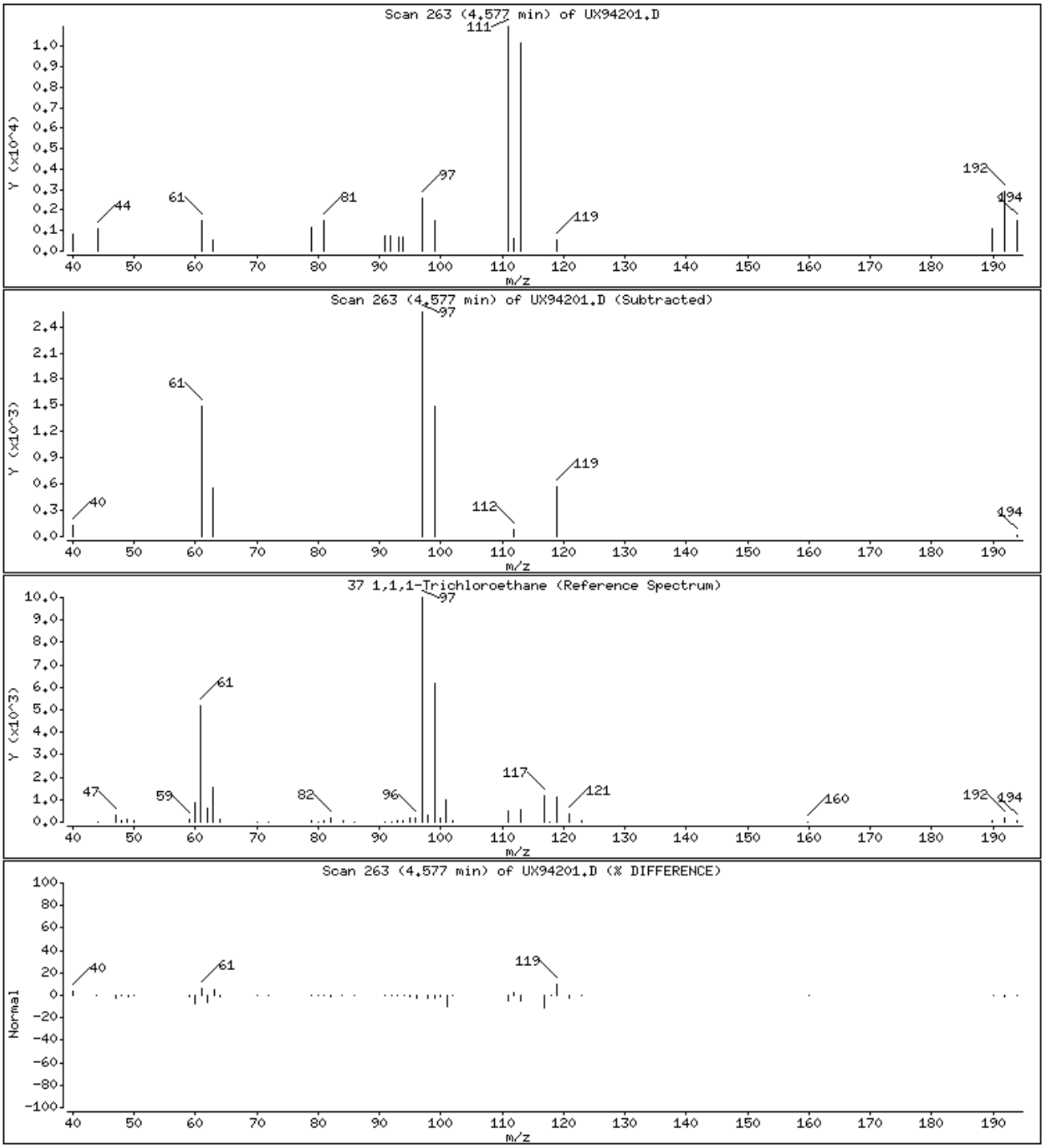
Client ID: GW-060305-AJ-041 Instrument: a3ux9.i

Sample Info: HCX4K1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

37 1,1,1-Trichloroethane Concentration: 0.2504 ug/L



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Date : 16-JUN-2005 22:09

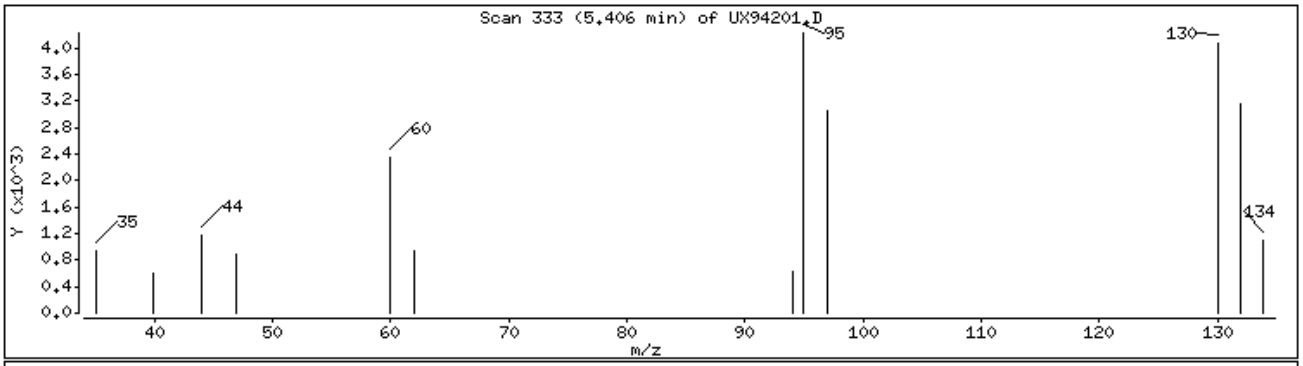
Client ID: GW-060305-AJ-041 Instrument: a3ux9.i

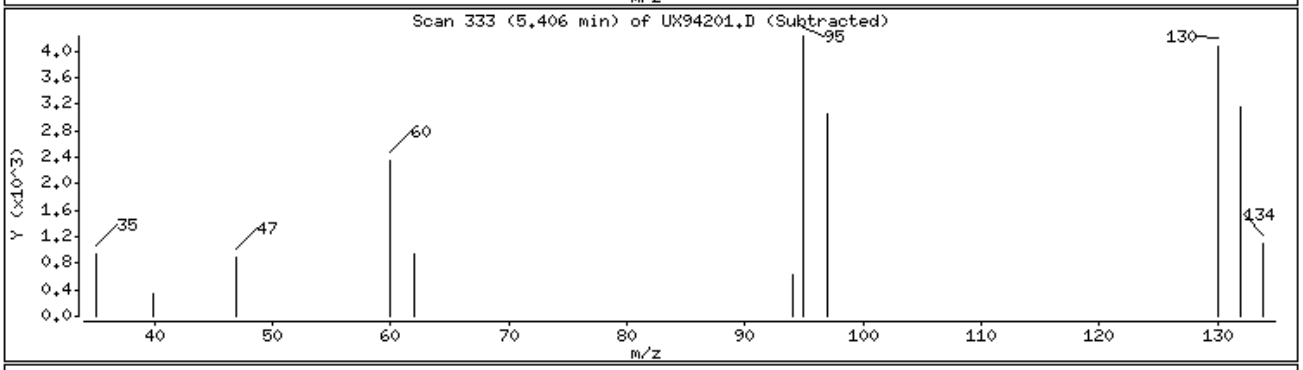
Sample Info: HCX4K1AA,5ML/5ML

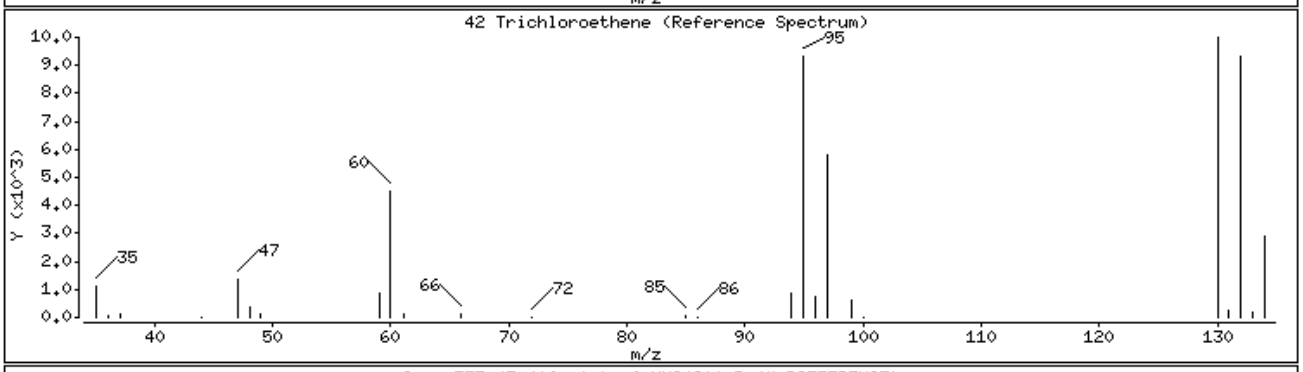
Purge Volume: 5.0 Operator: 1819

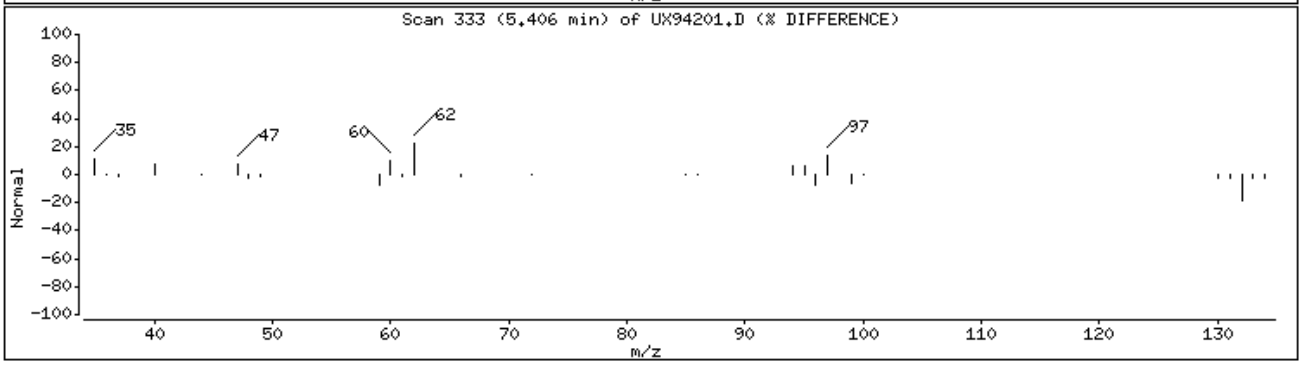
Column phase: DB624 Column diameter: 0.18

42 Trichloroethene Concentration: 0.4791 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94201.D

Date : 16-JUN-2005 22:09

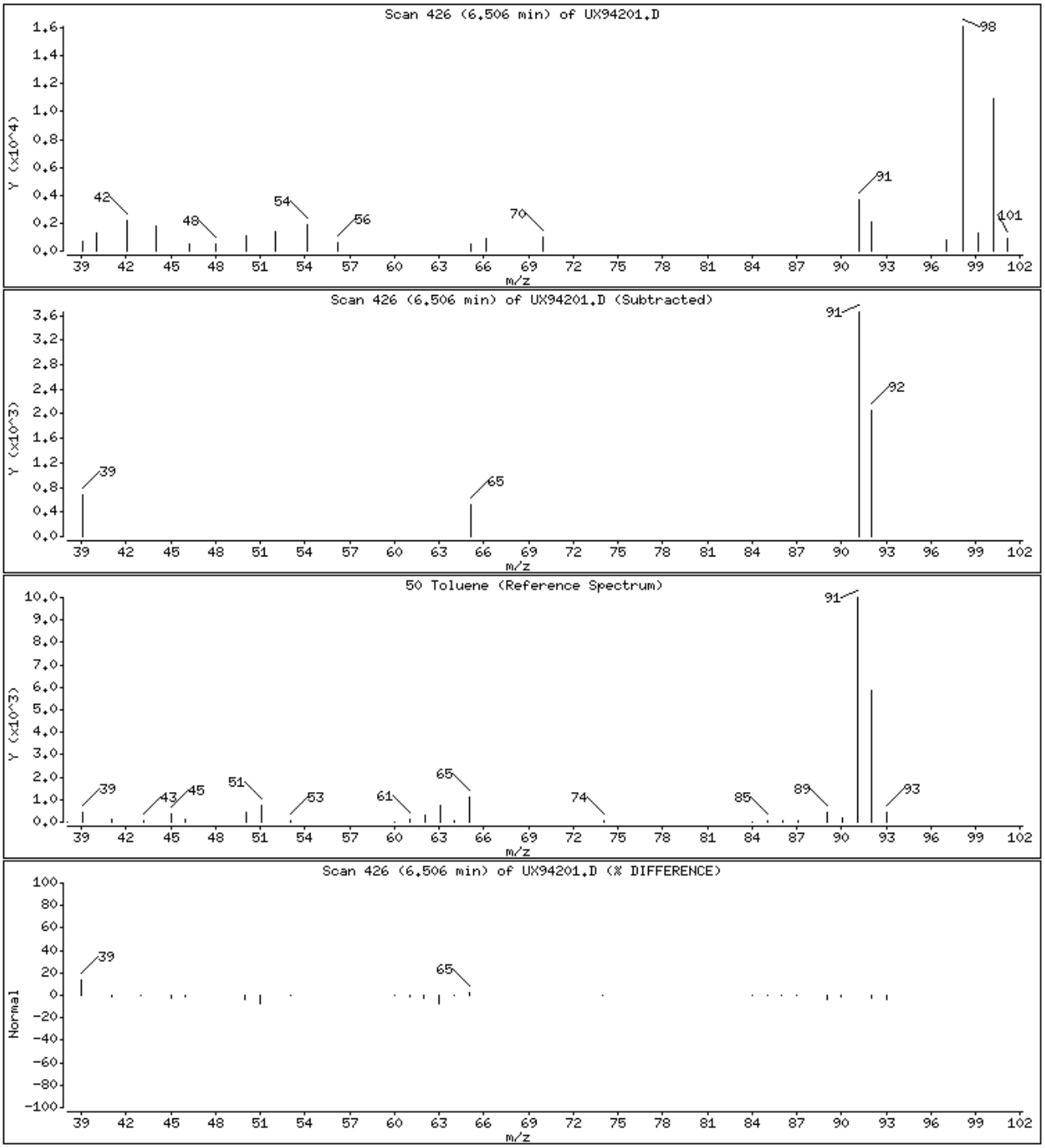
Client ID: GW-060305-AJ-041 Instrument: a3ux9.i

Sample Info: HCX4K1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 0.1096 ug/L



Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-060305-AJ-042

GC/MS Volatiles

Lot-Sample #...: A5F040126-003 **Work Order #...:** HCX4N1AA **Matrix.....:** WG
Date Sampled...: 06/03/05 10:00 **Date Received..:** 06/04/05
Prep Date.....: 06/16/05 **Analysis Date..:** 06/16/05
Prep Batch #...: 5168046
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**0.92 J,B**	**10**	**ug/L**
Benzene	ND	1.0	ug/L
Bromodichloromethane	**0.31 J**	**1.0**	**ug/L**
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	**0.25 J**	**1.0**	**ug/L**
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	**0.29 J**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-060305-AJ-042

GC/MS Volatiles

Lot-Sample #...: A5F040126-003 **Work Order #...:** HCX4N1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**0.73 J**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	**0.98 J**	**1.0**	**ug/L**
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**2.7**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
Toluene-d8	109	(76 - 110)
4-Bromofluorobenzene	79	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94202.D
Report Date: 17-Jun-2005 07:14

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94202.D
Lab Smp Id: HCX4N1AA Client Smp ID: GW-060305-AJ-042
Inj Date : 16-JUN-2005 22:31
Operator : 1819 Inst ID: a3ux9.i
Smp Info : HCX4N1AA,5ML/5ML
Misc Info : N50616B,8260MIUX9,2-8260.SUB,1819
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50616B.b\8260MIUX9.m
Meth Date : 16-Jun-2005 18:20 Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.098	5.097	(1.000)	681374	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	465819	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.985	9.984	(1.000)	159674	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	154780	56.1350	11.227
$ 5 1,2-Dichloroethane-d4	65	4.825	4.825	(0.947)	189070	49.9759	9.995
$ 6 Toluene-d8	98	6.447	6.446	(0.832)	720767	54.2923	10.858
$ 7 Bromofluorobenzene	95	8.849	8.848	(1.142)	190129	39.6582	7.932
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.802	2.790	(0.550)	10615	4.58112	0.9162
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94202.D
Report Date: 17-Jun-2005 07:14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61				9488	1.46759	0.2935
	32 cis-1,2-dichloroethene	61	4.163	4.162	(0.817)	9488	1.46759	0.2935
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.411	4.411	(0.865)	7131	1.25668	0.2513
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.577	4.576	(0.898)	22247	4.92295	0.9846
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	5.405	5.405	(1.060)	50203	13.6285	2.726
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.831	5.819	(1.144)	6012	1.53095	0.3062
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.494	6.505	(0.838)	12581	0.76648	0.1533
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.991	7.002	(0.902)	10530	3.66078	0.7322
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

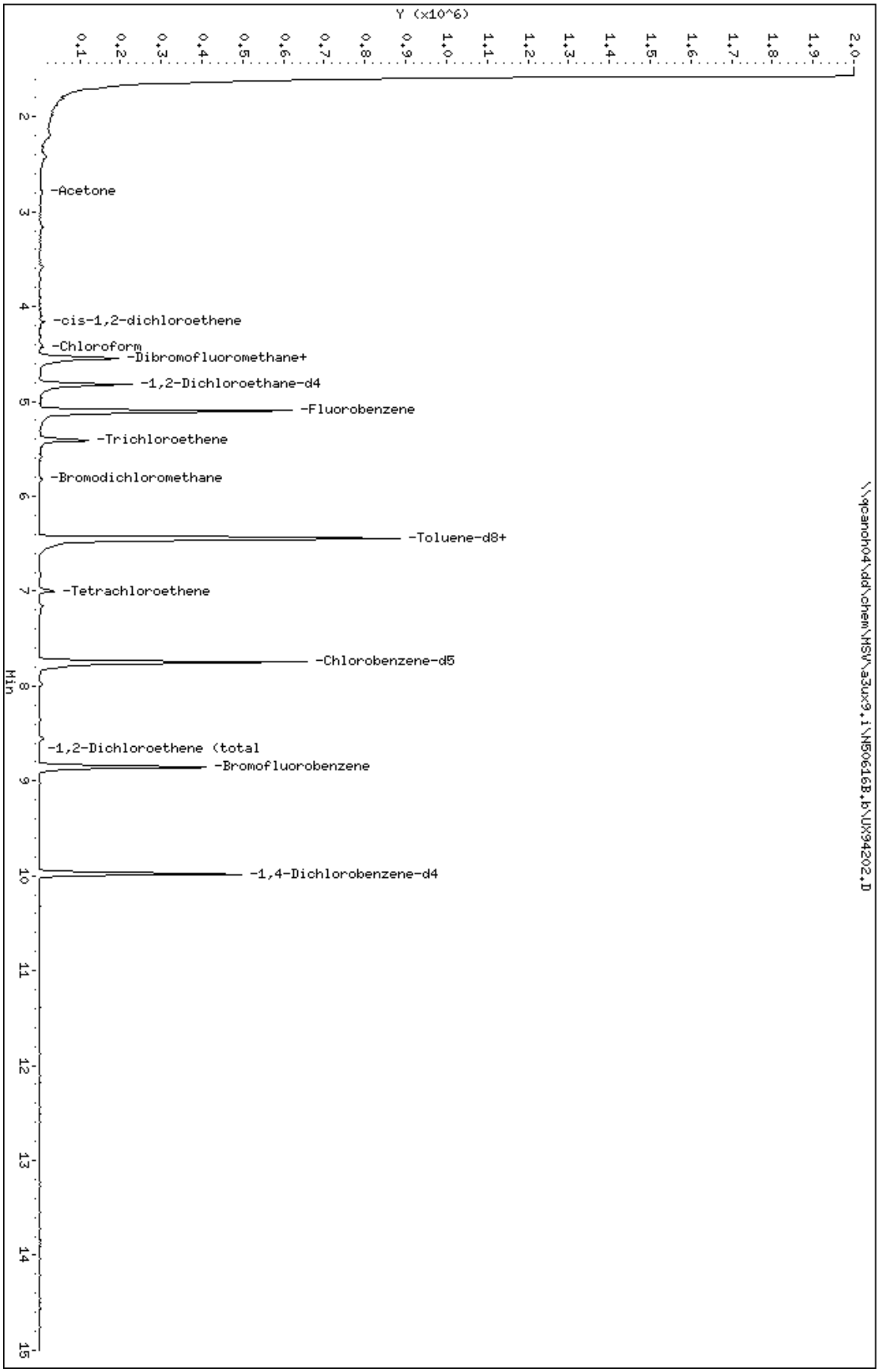
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94202.D
Report Date: 17-Jun-2005 07:14

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94202.D
Date : 16-JUN-2005 22:31
Client ID: GW-060305-AJ-042
Sample Info: HCX4N1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18



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Date : 16-JUN-2005 22:31

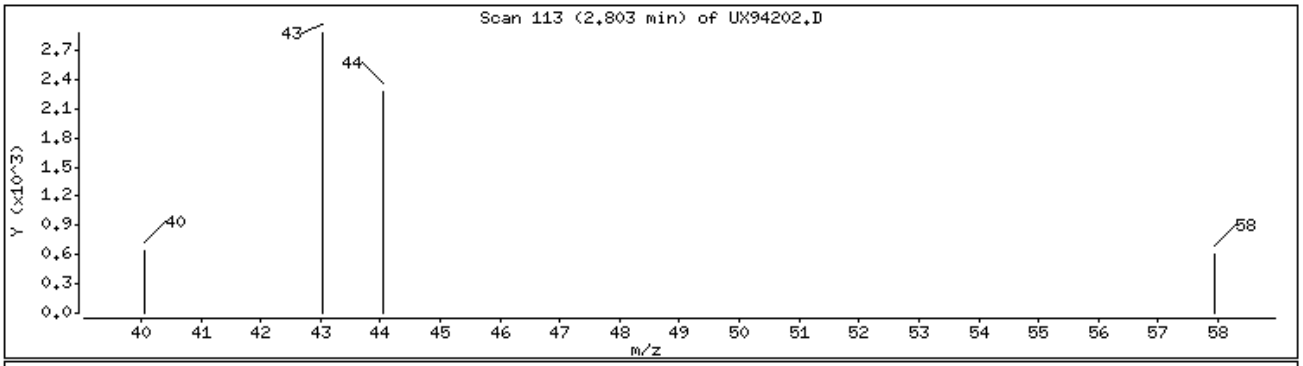
Client ID: GW-060305-AJ-042 Instrument: a3ux9.i

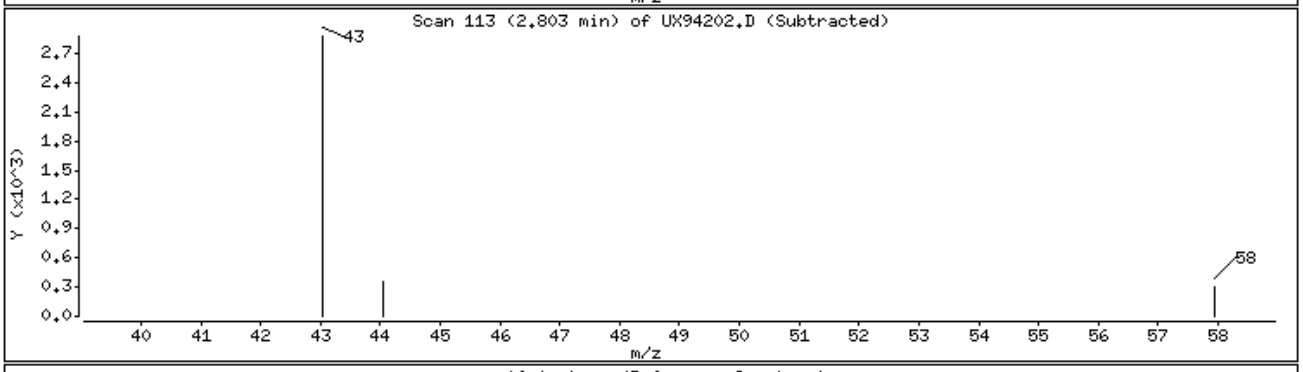
Sample Info: HCX4N1AA,5ML/5ML

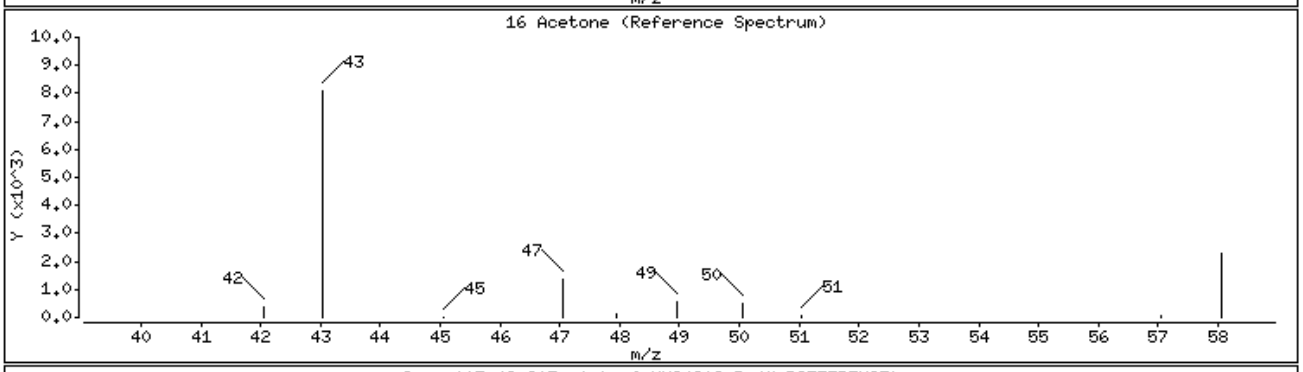
Purge Volume: 5.0 Operator: 1819

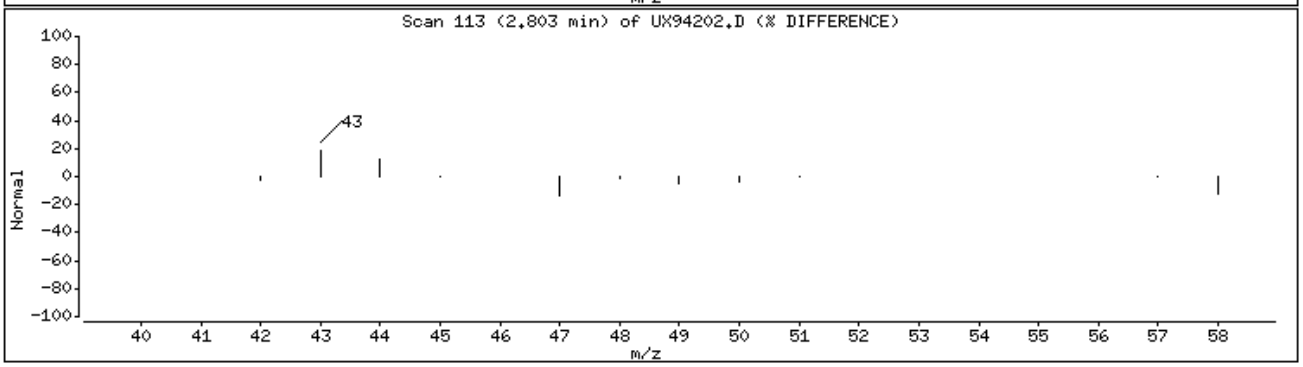
Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 0.9162 ug/L









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Date : 16-JUN-2005 22:31

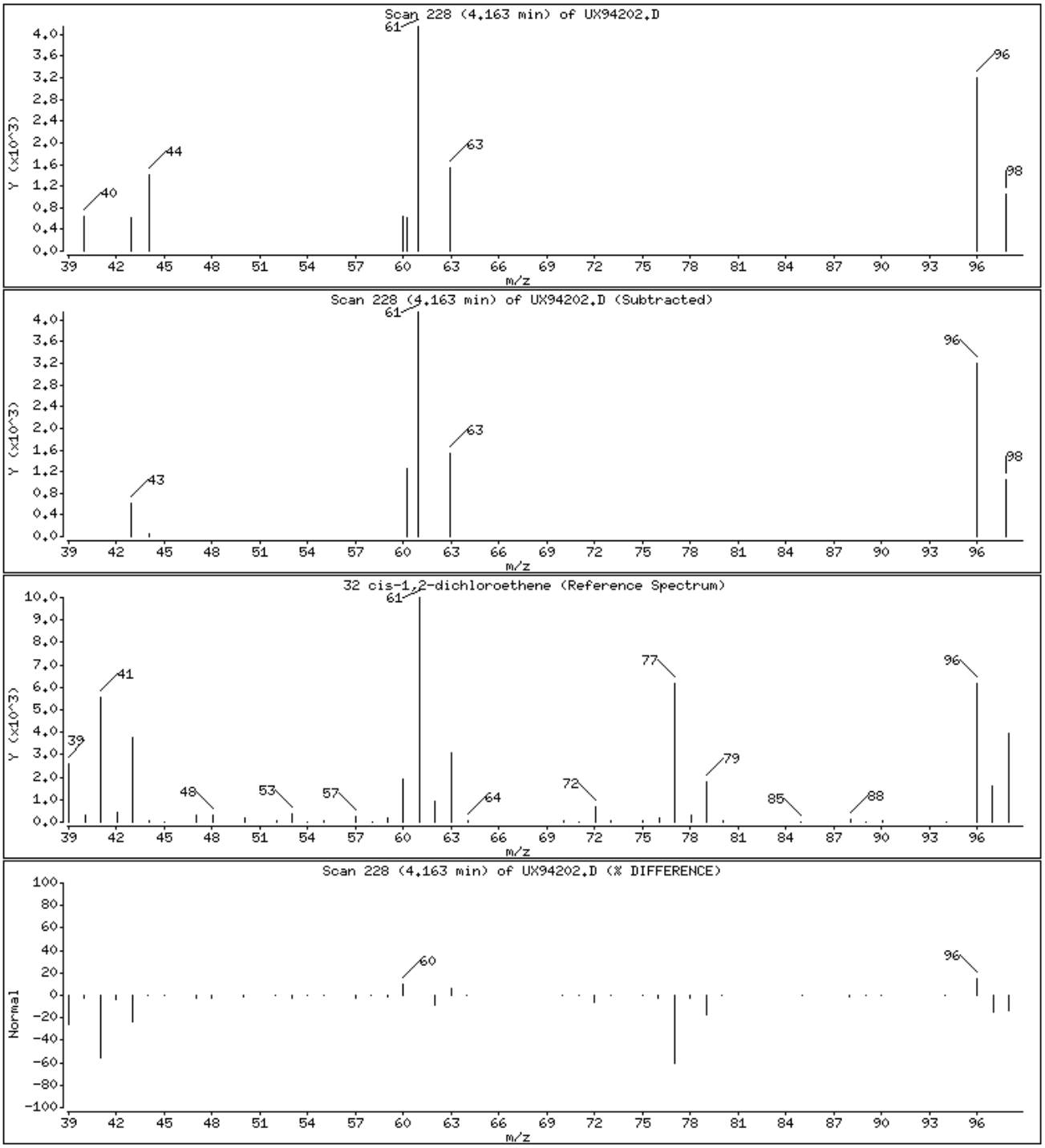
Client ID: GW-060305-AJ-042 Instrument: a3ux9.i

Sample Info: HCX4N1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 0.2935 ug/L



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Date : 16-JUN-2005 22:31

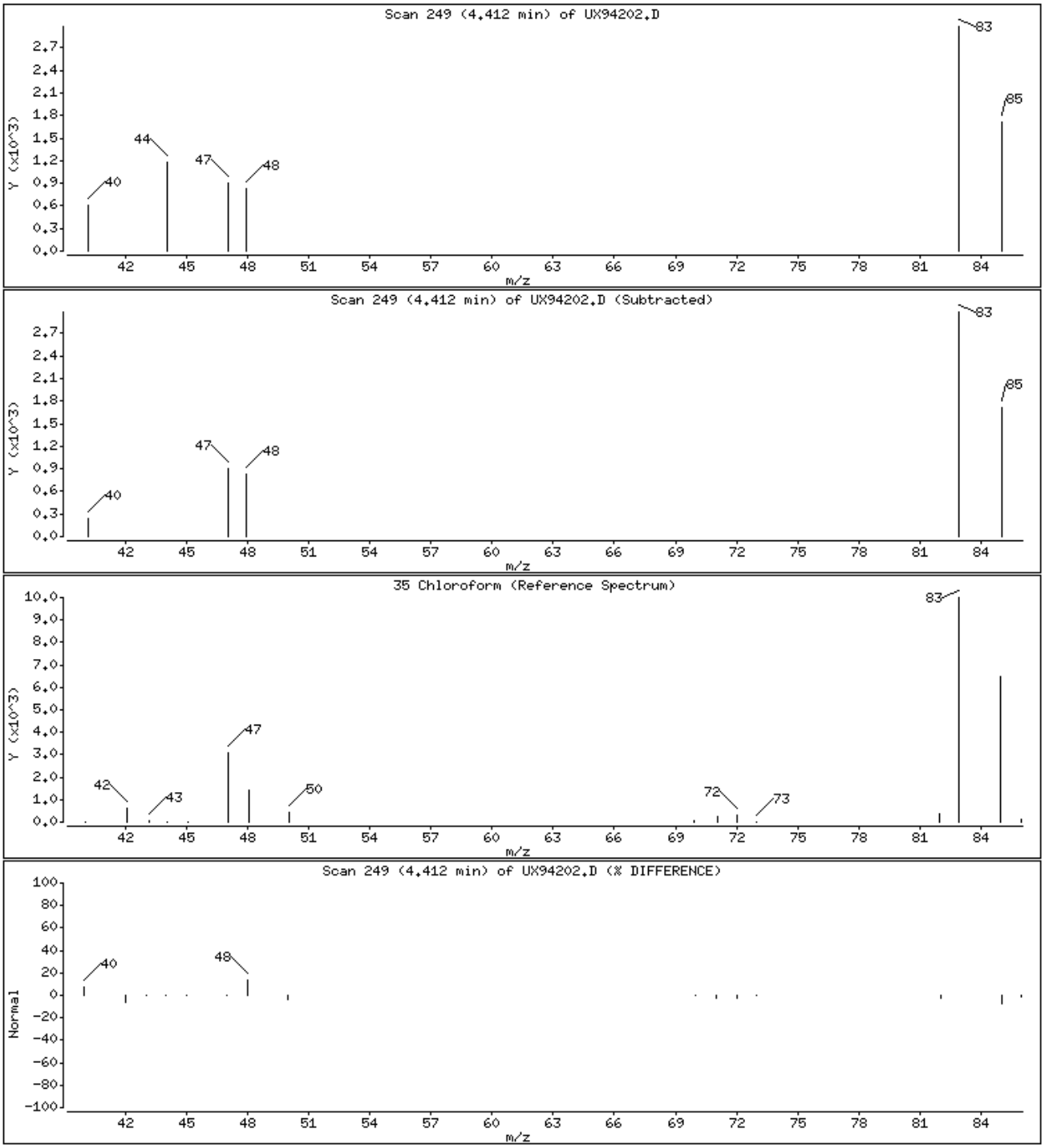
Client ID: GW-060305-AJ-042 Instrument: a3ux9.i

Sample Info: HCX4N1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

35 Chloroform Concentration: 0.2513 ug/L



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Date : 16-JUN-2005 22:31

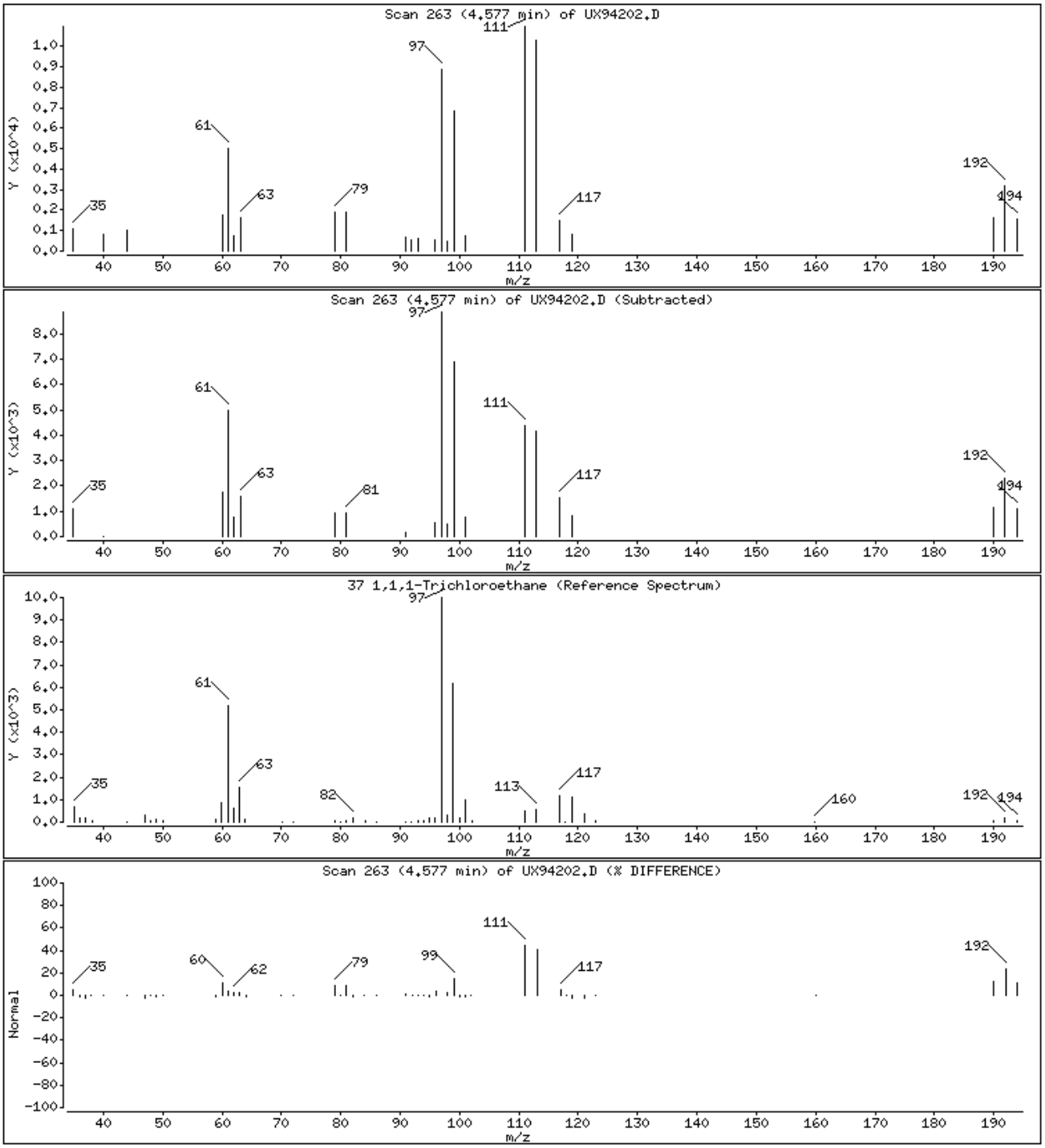
Client ID: GW-060305-AJ-042 Instrument: a3ux9.i

Sample Info: HCX4N1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

37 1,1,1-Trichloroethane Concentration: 0.9846 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94202.D

Date : 16-JUN-2005 22:31

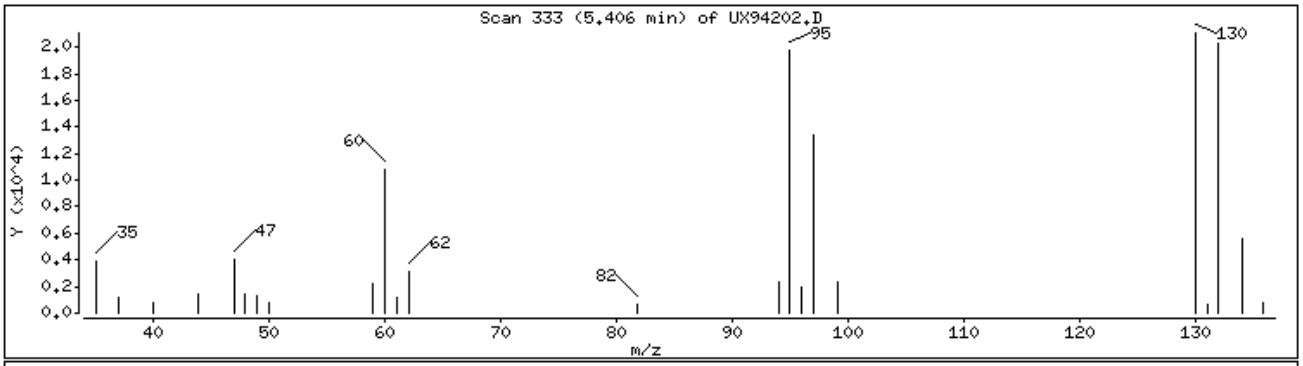
Client ID: GW-060305-AJ-042 Instrument: a3ux9.i

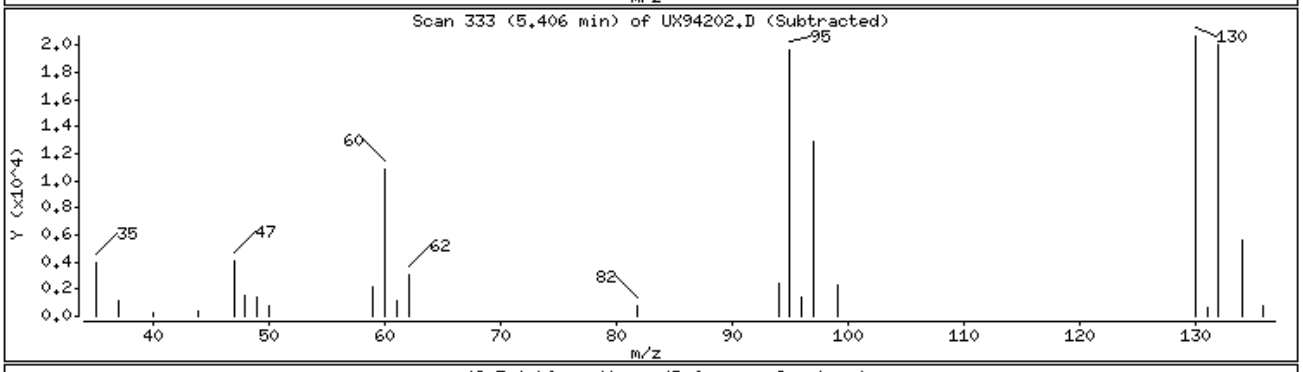
Sample Info: HCX4N1AA,5ML/5ML

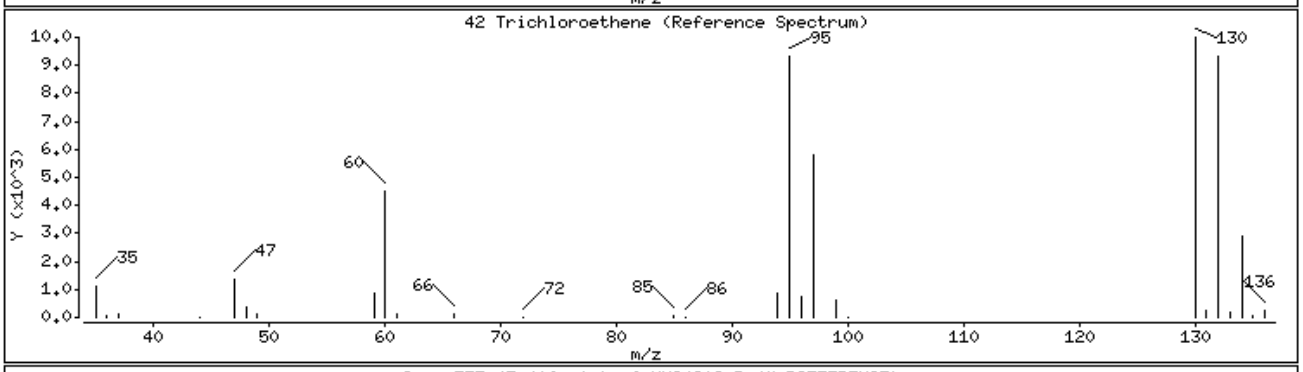
Purge Volume: 5.0 Operator: 1819

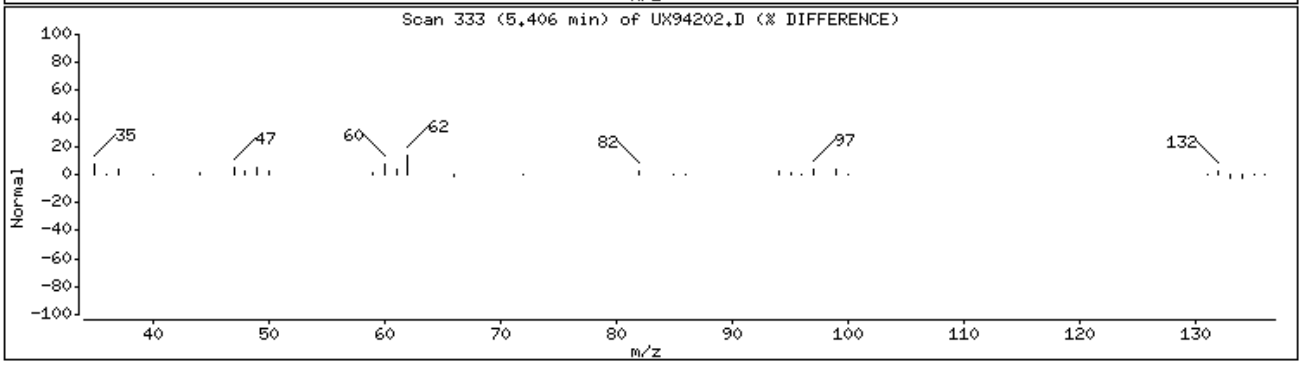
Column phase: DB624 Column diameter: 0.18

42 Trichloroethene Concentration: 2.726 ug/L









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Date : 16-JUN-2005 22:31

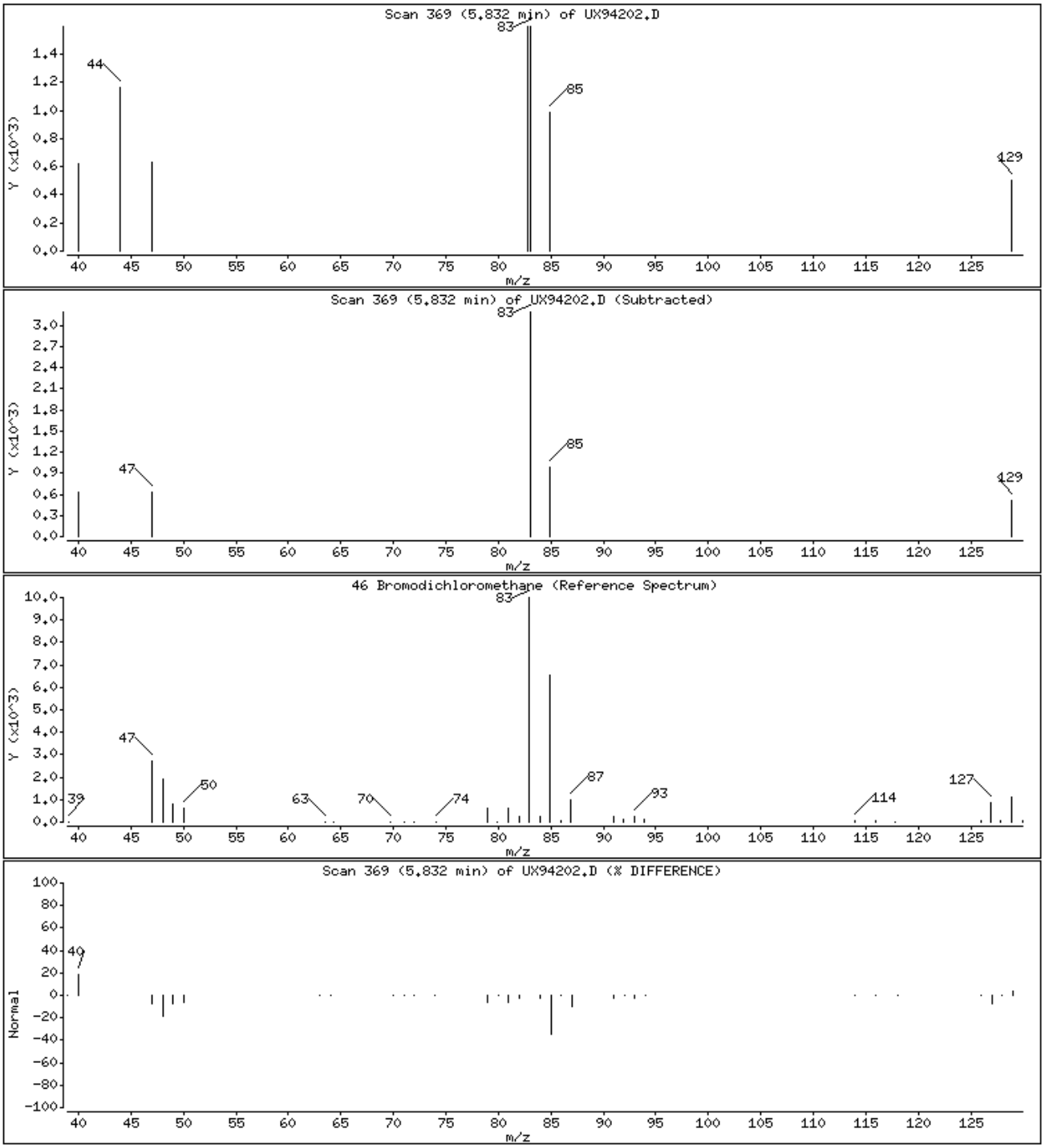
Client ID: GW-060305-AJ-042 Instrument: a3ux9.i

Sample Info: HCX4N1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

46 Bromodichloromethane Concentration: 0.3062 ug/L



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Date : 16-JUN-2005 22:31

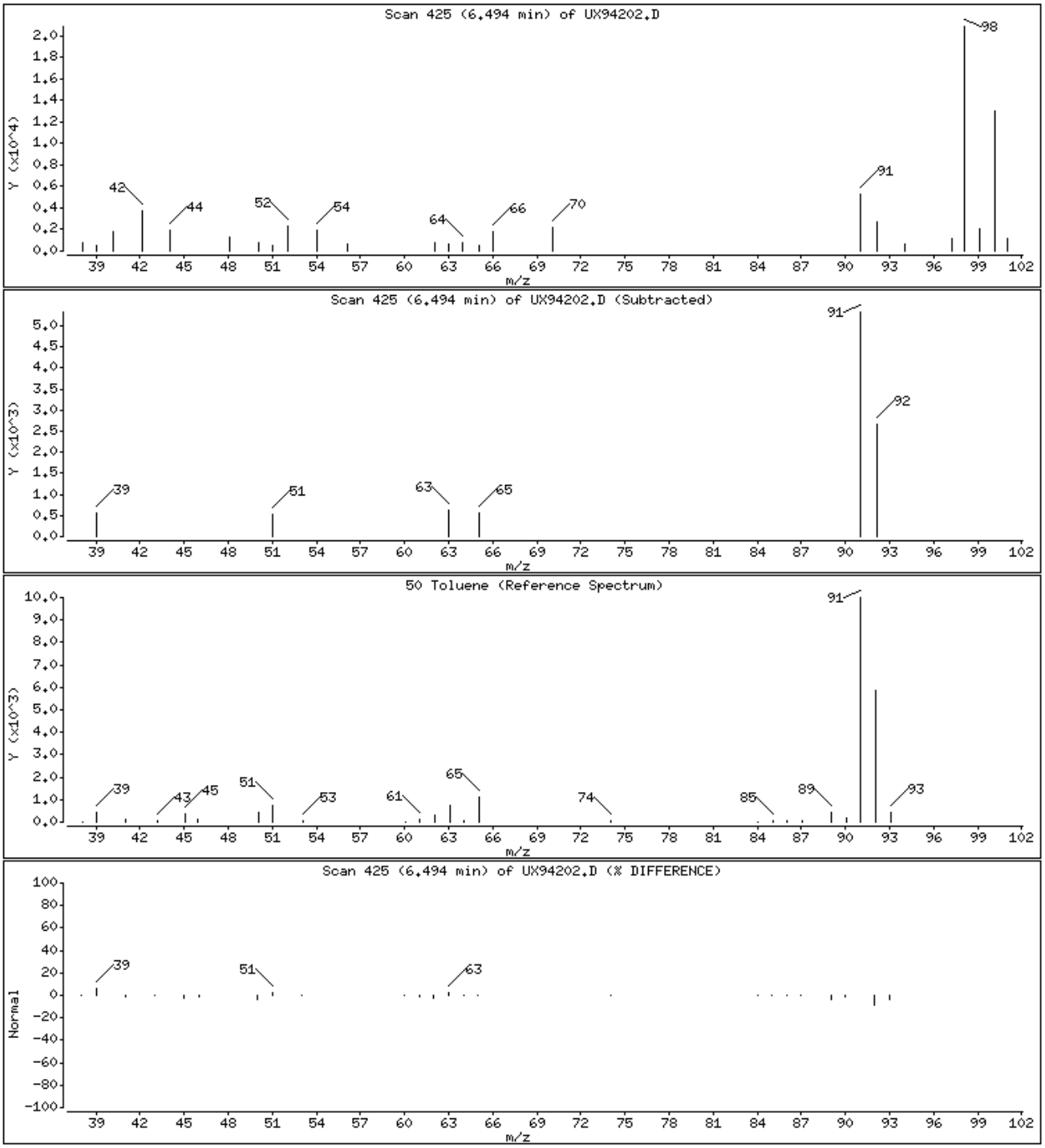
Client ID: GW-060305-AJ-042 Instrument: a3ux9.i

Sample Info: HCX4N1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 0.1533 ug/L



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Date : 16-JUN-2005 22:31

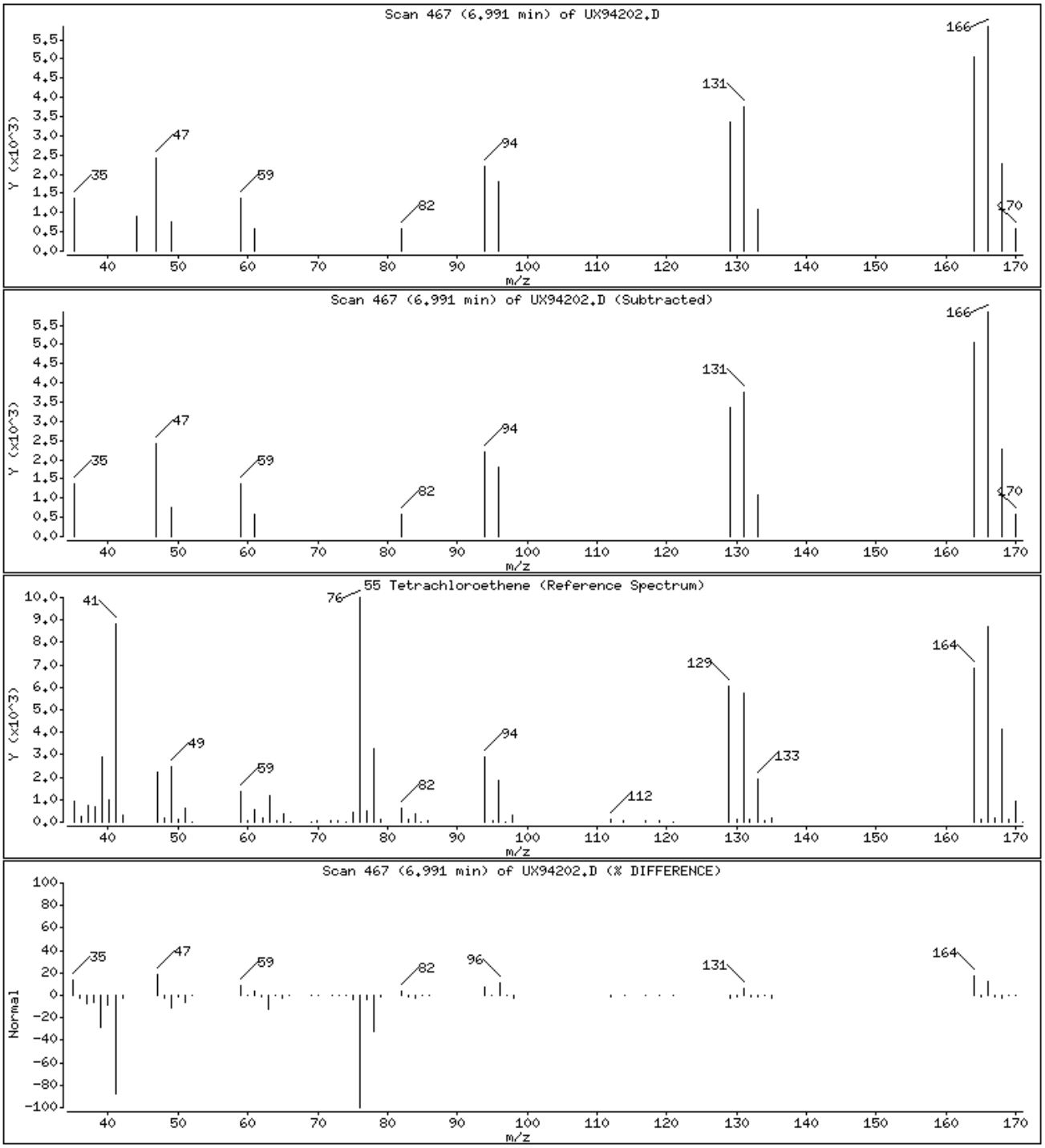
Client ID: GW-060305-AJ-042 Instrument: a3ux9.i

Sample Info: HCX4N1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 0.7322 ug/L



Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-060305-AJ-043

GC/MS Volatiles

Lot-Sample #...: A5F040126-004 **Work Order #...:** HCX4R1AA **Matrix.....:** WG
Date Sampled...: 06/03/05 11:42 **Date Received..:** 06/04/05
Prep Date.....: 06/16/05 **Analysis Date..:** 06/16/05
Prep Batch #...: 5168046
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**3.0 J,B**	**10**	**ug/L**
Benzene	**0.26 J**	**1.0**	**ug/L**
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	**1.3**	**1.0**	**ug/L**
Chloromethane	ND	1.0	ug/L
Cyclohexane	**0.23 J**	**1.0**	**ug/L**
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	**0.20 J**	**1.0**	**ug/L**
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-060305-AJ-043

GC/MS Volatiles

Lot-Sample #...: A5F040126-004 **Work Order #...:** HCX4R1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**1.1**	**1.0**	**ug/L**
Toluene	**0.61 J**	**1.0**	**ug/L**
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	**0.37 J**	**1.0**	**ug/L**
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**1.3**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
Toluene-d8	109	(76 - 110)
4-Bromofluorobenzene	85	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94203.D
Report Date: 17-Jun-2005 07:15

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94203.D
Lab Smp Id: HCX4R1AA Client Smp ID: GW-060305-AJ-043
Inj Date : 16-JUN-2005 22:53
Operator : 1819 Inst ID: a3ux9.i
Smp Info : HCX4R1AA,5ML/5ML
Misc Info : N50616B,8260MIUX9,2-8260.SUB,1819
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50616B.b\8260MIUX9.m
Meth Date : 16-Jun-2005 18:20 Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.100	5.097	(1.000)	678735	50.0000	
* 2 Chlorobenzene-d5	117	7.750	7.748	(1.000)	461998	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.987	9.984	(1.000)	167256	50.0000	
$ 4 Dibromofluoromethane	113	4.544	4.541	(0.891)	155037	56.4468	11.289
$ 5 1,2-Dichloroethane-d4	65	4.828	4.825	(0.947)	189050	50.1649	10.033
$ 6 Toluene-d8	98	6.449	6.446	(0.832)	716861	54.4447	10.889
$ 7 Bromofluorobenzene	95	8.851	8.848	(1.142)	202845	42.6605	8.532
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.792	2.790	(0.548)	34042	14.7486	2.950
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

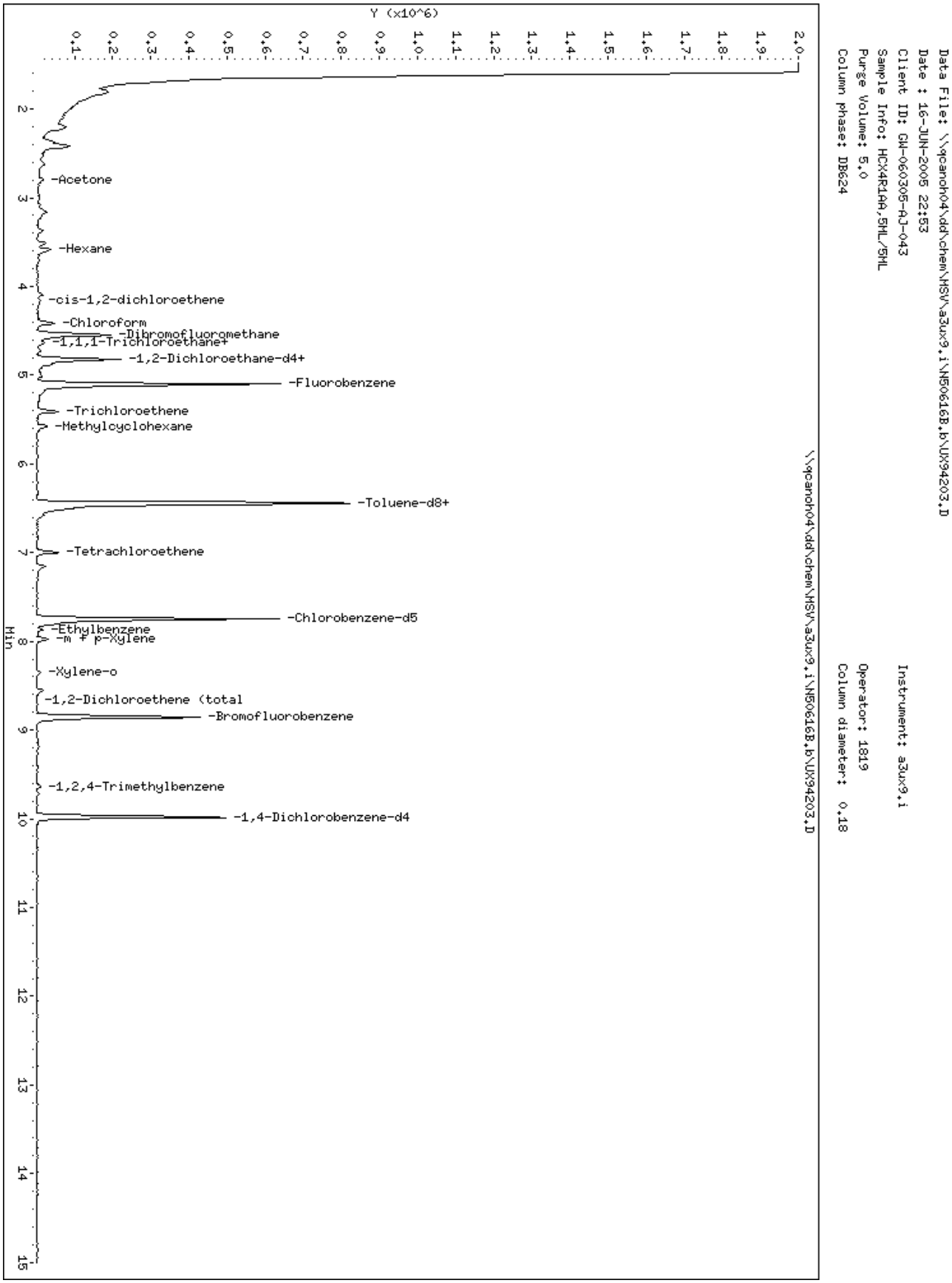
Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94203.D
Report Date: 17-Jun-2005 07:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	3.585	3.582	(0.703)	19891	2.72087	0.5442
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61				6487	1.00730	0.2015
	32 cis-1,2-dichloroethene	61	4.165	4.162	(0.817)	6487	1.00730	0.2015
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.414	4.411	(0.865)	35479	6.27672	1.255
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.591	4.576	(0.900)	8290	1.84159	0.3683
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.887	4.884	(0.958)	20283	1.28497	0.2570
	42 Trichloroethene	130	5.407	5.405	(1.060)	23153	6.30972	1.262
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.496	6.505	(0.838)	49888	3.06451	0.6129
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.005	7.002	(0.904)	16252	5.69678	1.139
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	7.869	7.866	(1.015)	17849	0.99827	0.1996
	62 m + p-Xylene	91	7.975	7.972	(1.029)	20024	1.43527	0.2870
M	63 Xylenes (total)	91				27249	1.94912	0.3898
	64 Xylene-o	91	8.354	8.351	(1.078)	7225	0.51385	0.1028
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

77	1,2,4-Trimethylbenzene	105	9.632	9.629 (0.964)	9420	0.83141	0.1663
78	sec-Butylbenzene	105	Compound Not Detected.				

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94203.D
Report Date: 17-Jun-2005 07:15

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.638	4.636	(0.910)	10574	1.14881	0.2298
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	5.585	5.582	(1.095)	11024	1.53425	0.3068
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					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Date : 16-JUN-2005 22:53
Client ID: GW-060305-AJ-043
Sample Info: HCX4R1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18
\\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94203.D
Y (x10^6)
-Acetone
-Hexane
-cis-1,2-dichloroethene
-Chloroform
-Dibromofluoromethane
-1,1,1-Trichloroethane+
-1,2-Dichloroethane-d4+
-Fluorobenzene
-Trichloroethene
-Methylcyclohexane
-Toluene-d8+
-Tetrachloroethene
-Chlorobenzene-d5
-Ethylbenzene
-m + p-Xylene
-Xylene-o
-1,2-Dichloroethene (total
-Bromofluorobenzene
-1,2,4-Trimethylbenzene
-1,4-Dichlorobenzene-d4
Min

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94203.D

Date : 16-JUN-2005 22:53

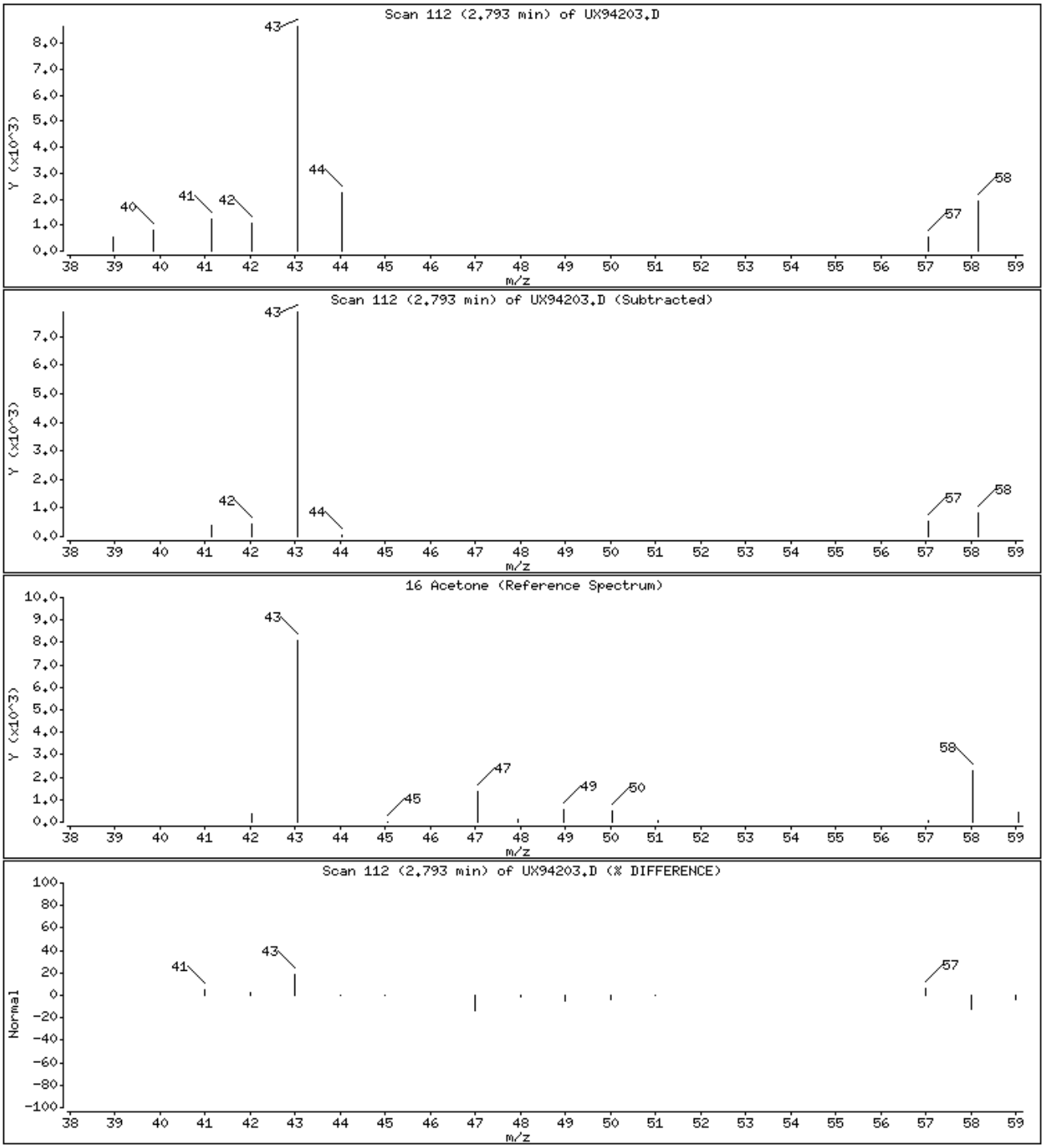
Client ID: GW-060305-AJ-043 Instrument: a3ux9.i

Sample Info: HCX4R1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 2.950 ug/L



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Date : 16-JUN-2005 22:53

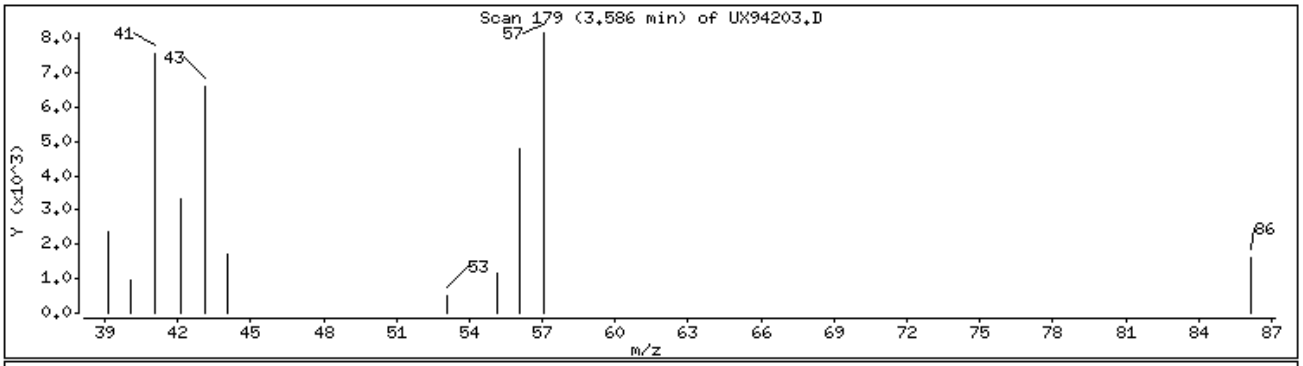
Client ID: GW-060305-AJ-043 Instrument: a3ux9.i

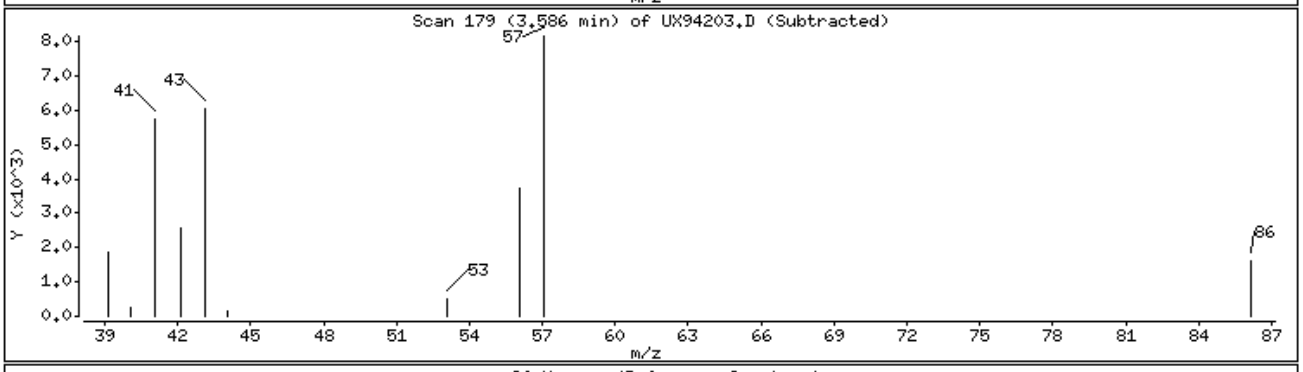
Sample Info: HCX4R1AA,5ML/5ML

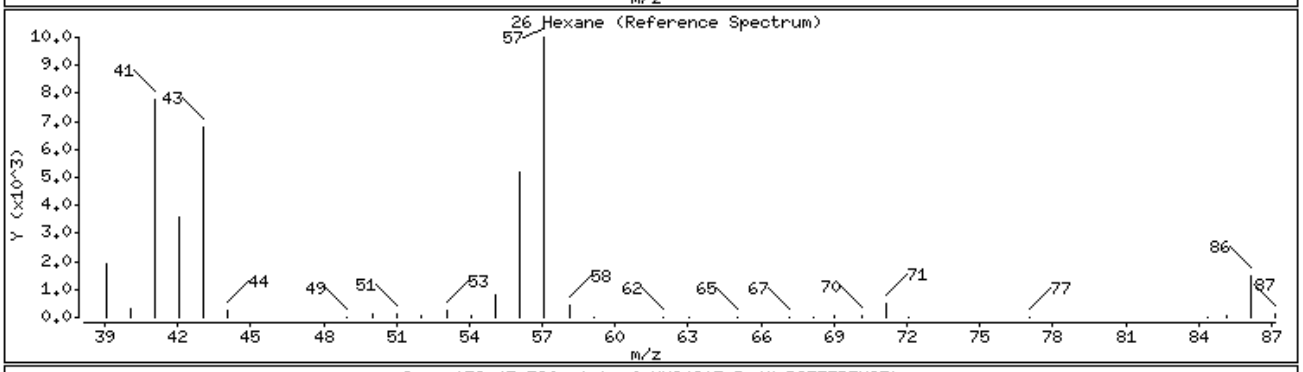
Purge Volume: 5.0 Operator: 1819

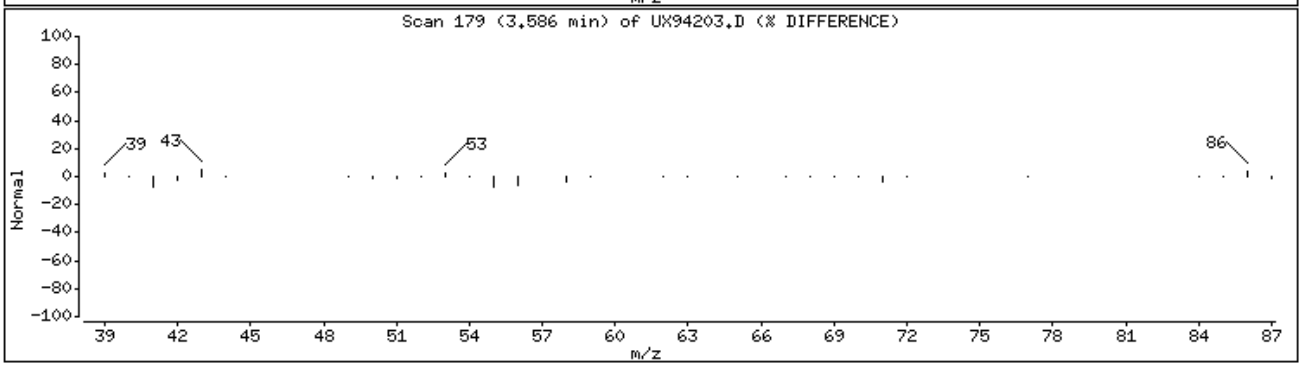
Column phase: DB624 Column diameter: 0.18

26 Hexane Concentration: 0.5442 ug/L









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Date : 16-JUN-2005 22:53

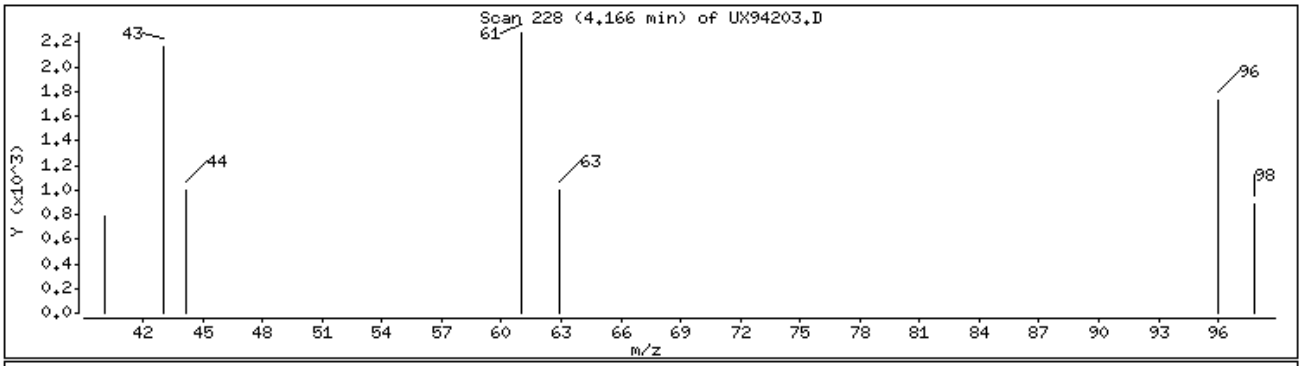
Client ID: GW-060305-AJ-043 Instrument: a3ux9.i

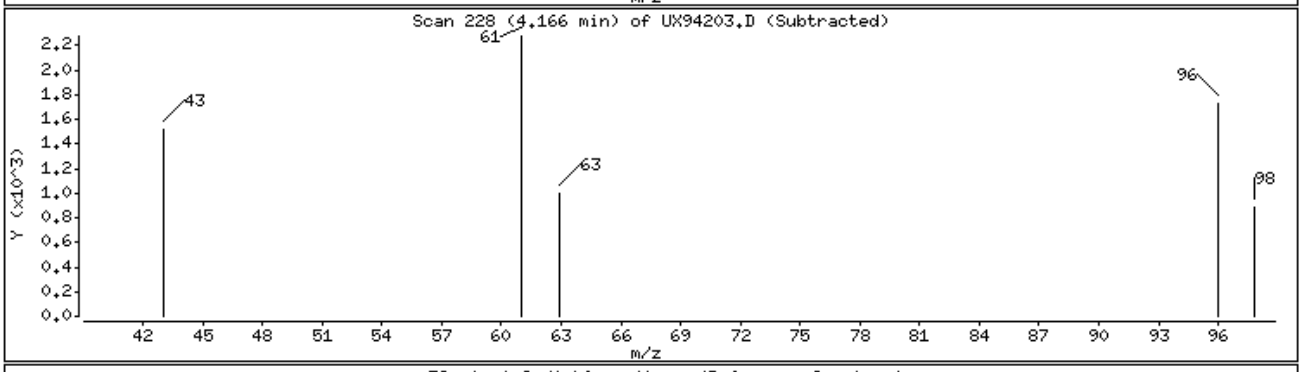
Sample Info: HCX4R1AA,5ML/5ML

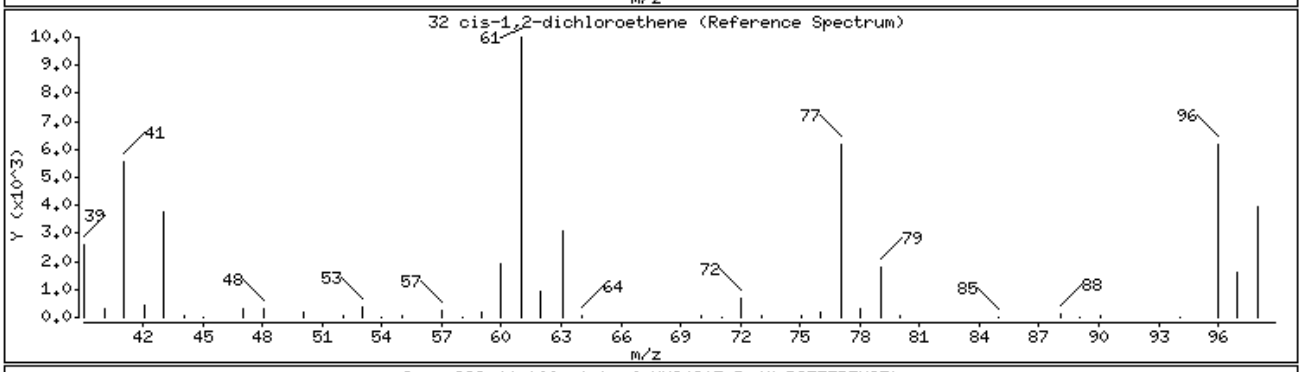
Purge Volume: 5.0 Operator: 1819

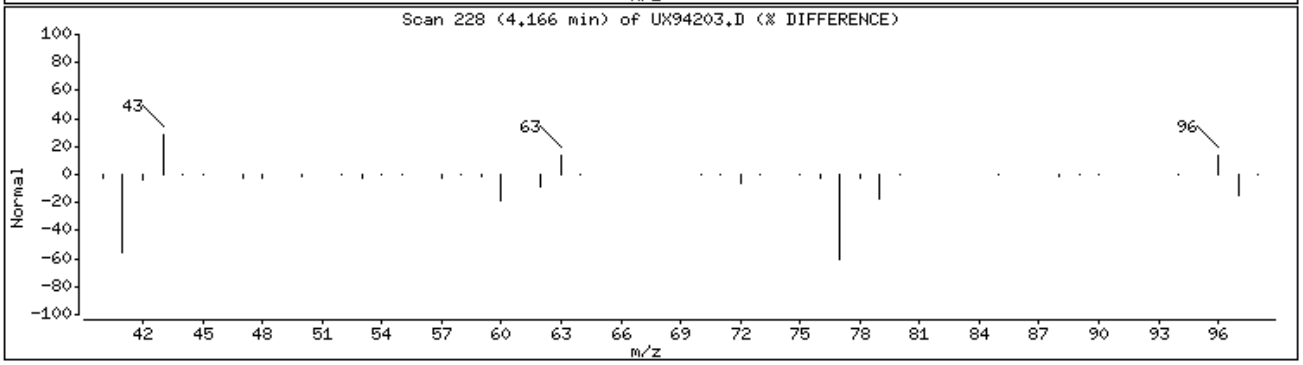
Column phase: DB624 Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 0.2015 ug/L









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Date : 16-JUN-2005 22:53

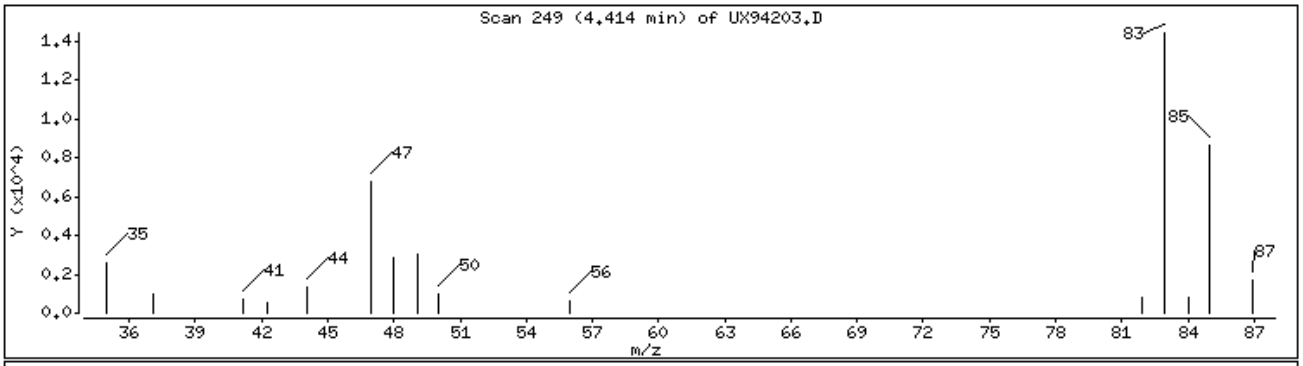
Client ID: GW-060305-AJ-043 Instrument: a3ux9.i

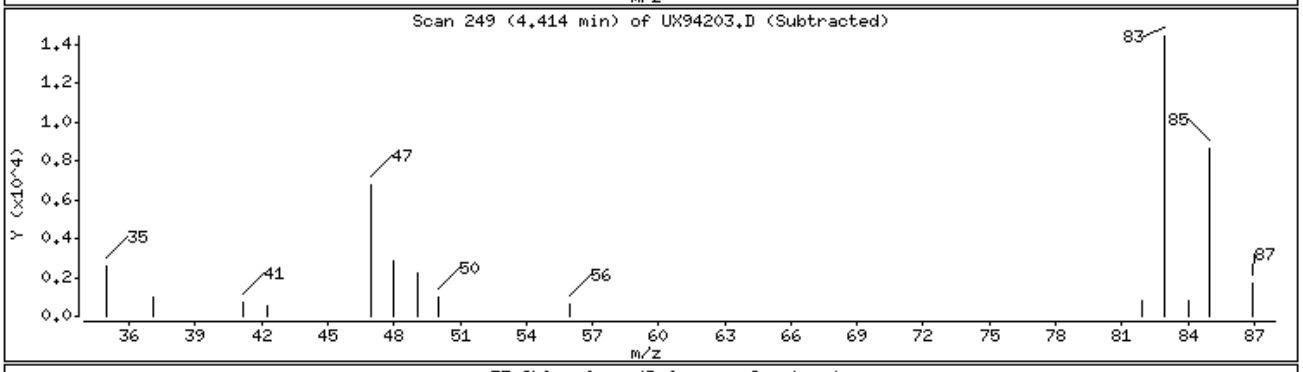
Sample Info: HCX4R1AA,5ML/5ML

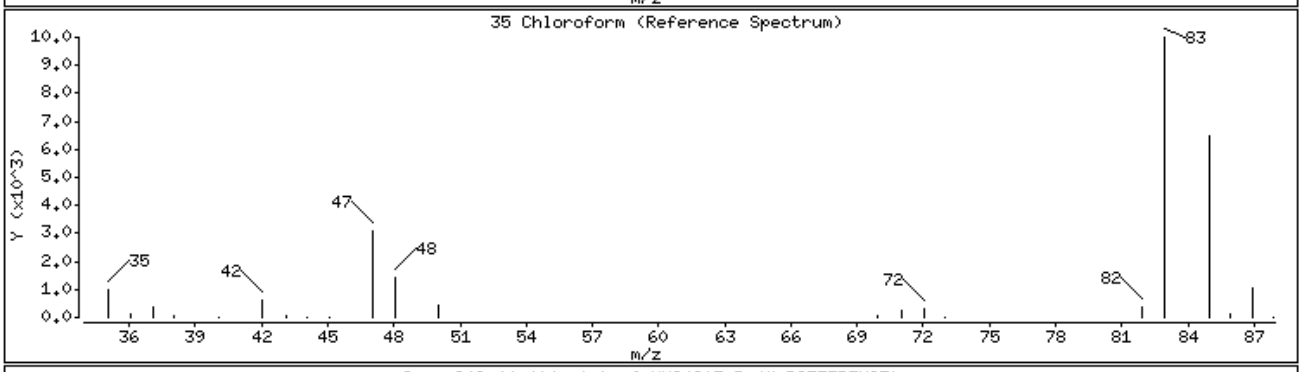
Purge Volume: 5.0 Operator: 1819

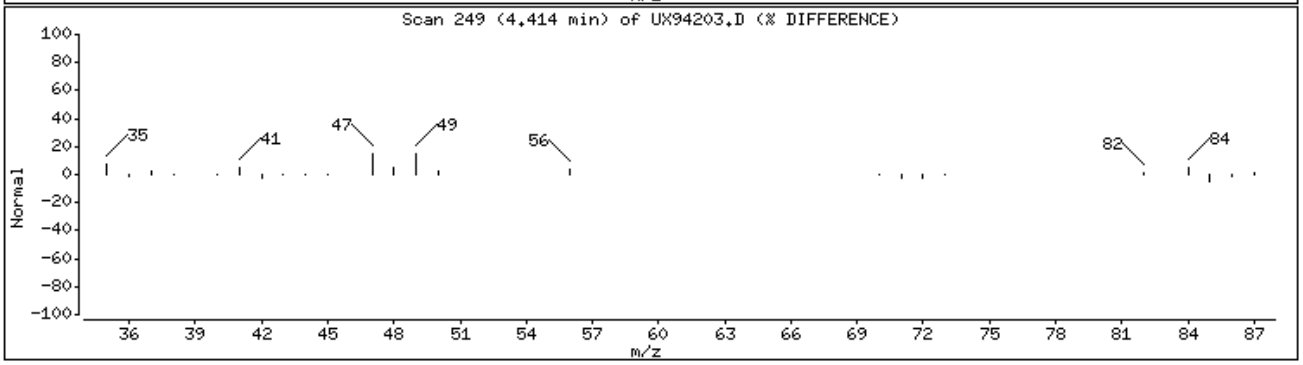
Column phase: DB624 Column diameter: 0.18

35 Chloroform Concentration: 1.255 ug/L









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Date : 16-JUN-2005 22:53

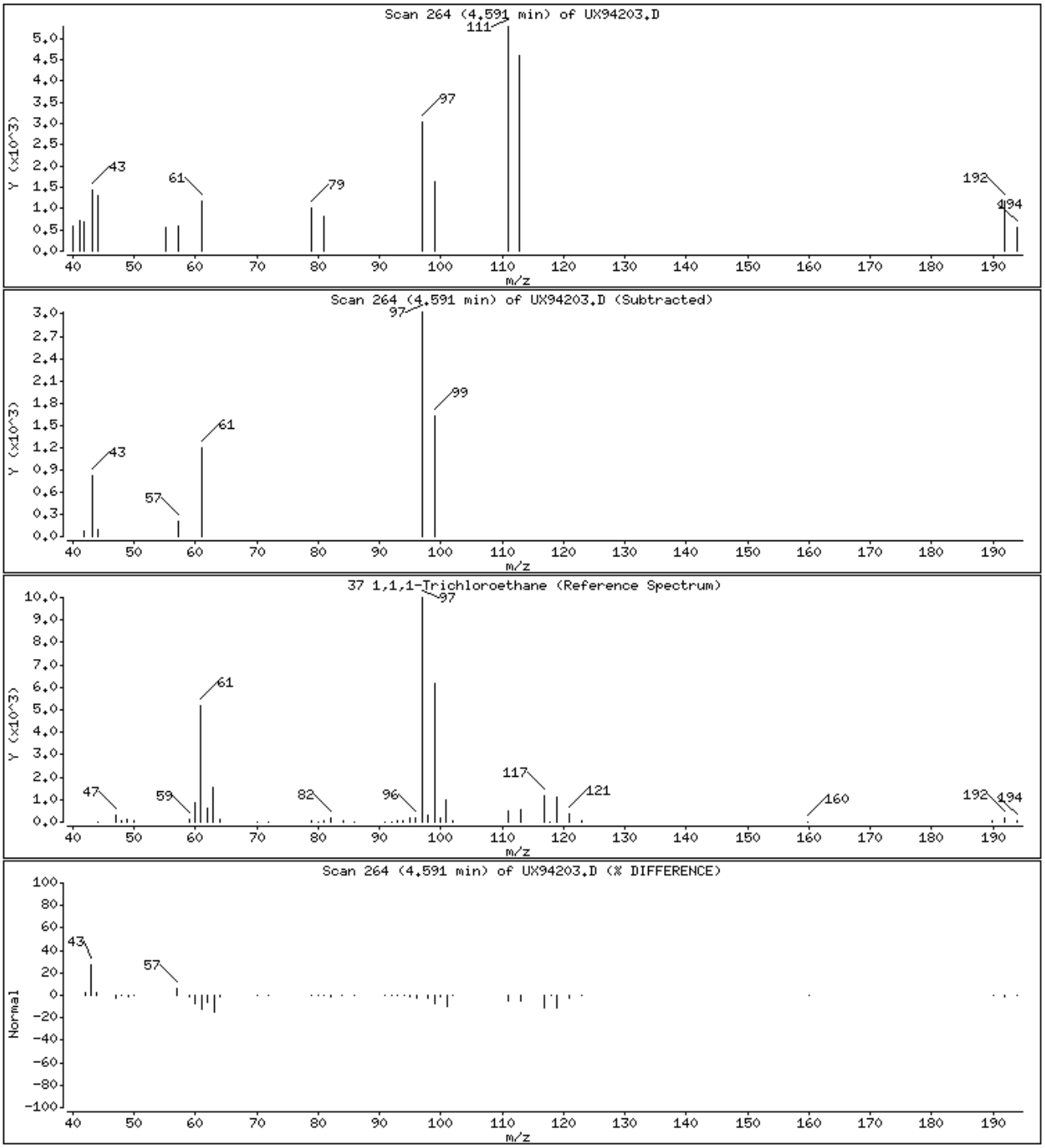
Client ID: GW-060305-AJ-043 Instrument: a3ux9.i

Sample Info: HCX4R1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

37 1,1,1-Trichloroethane Concentration: 0.3683 ug/L



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Date : 16-JUN-2005 22:53

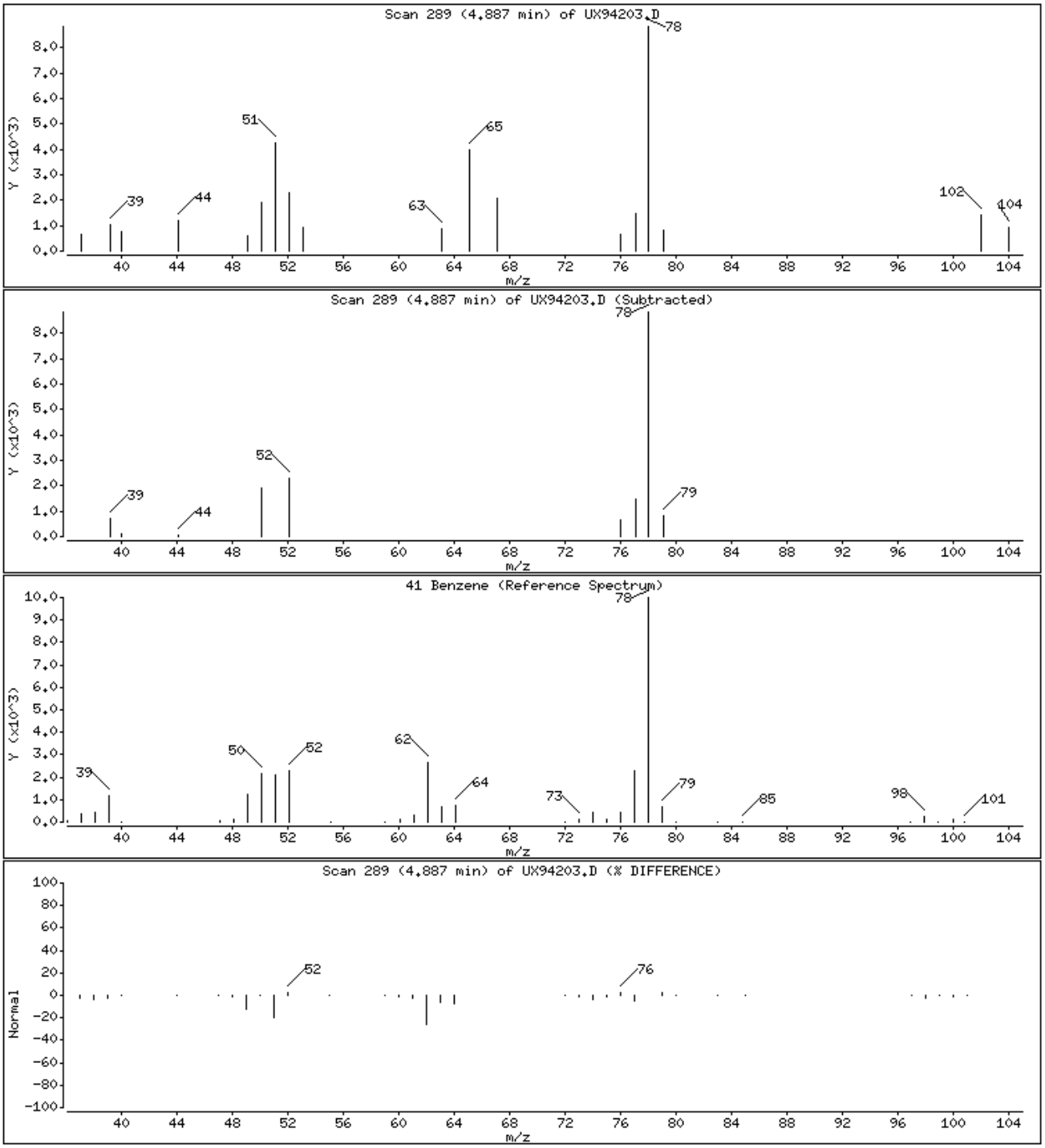
Client ID: GW-060305-AJ-043 Instrument: a3ux9.i

Sample Info: HCX4R1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 0.2570 ug/L



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Date : 16-JUN-2005 22:53

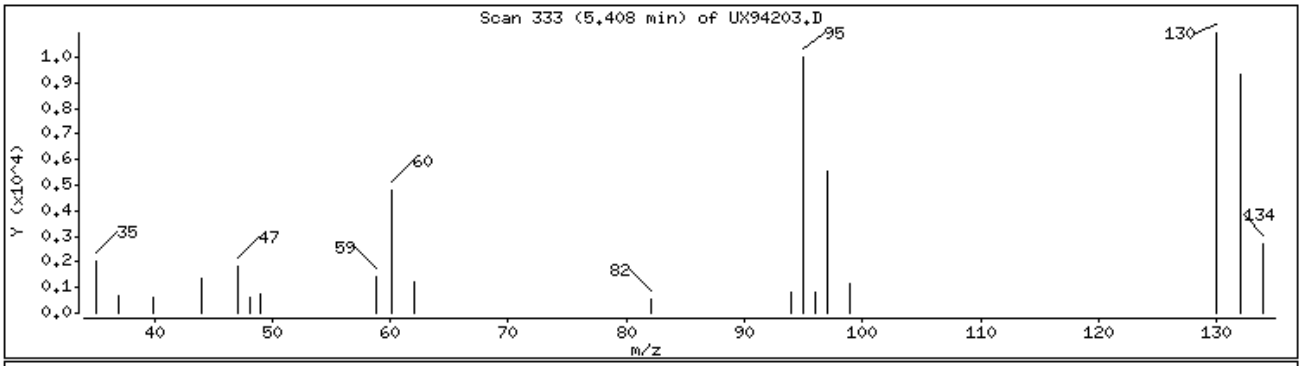
Client ID: GW-060305-AJ-043 Instrument: a3ux9.i

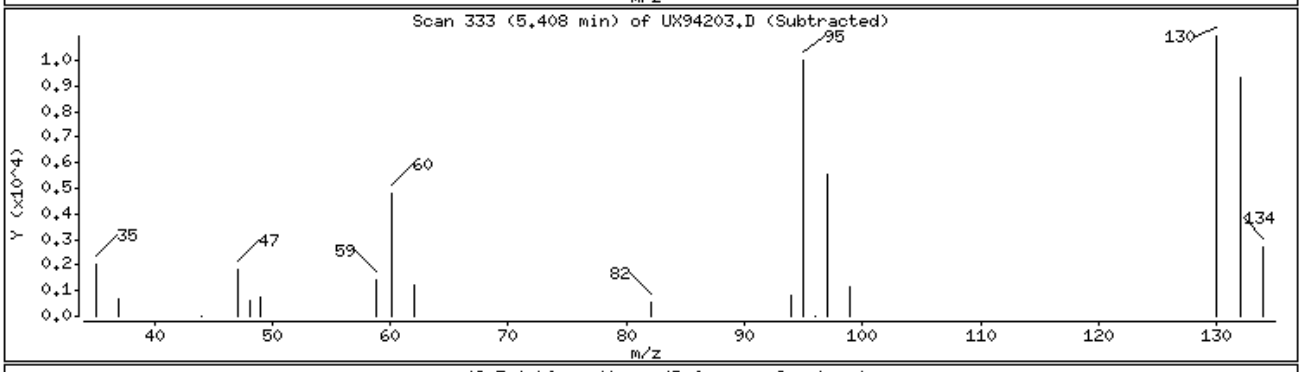
Sample Info: HCX4R1AA,5ML/5ML

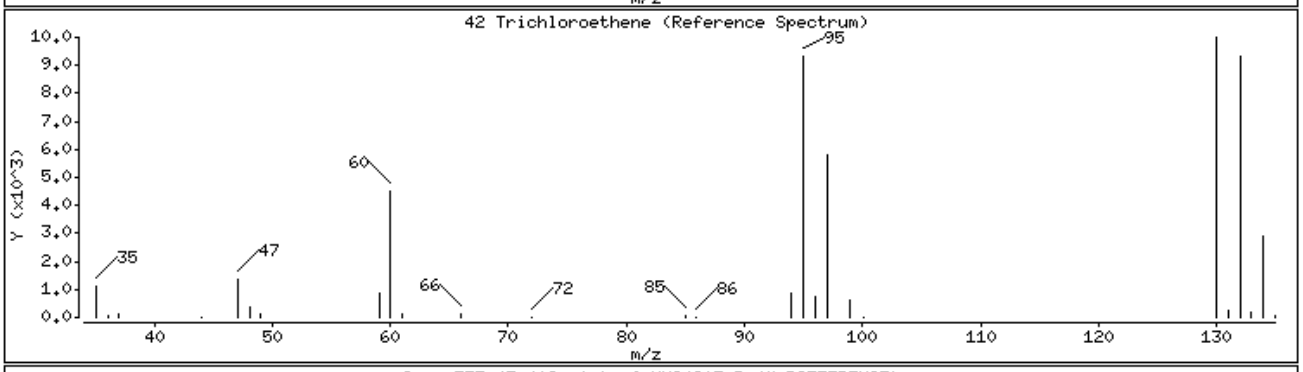
Purge Volume: 5.0 Operator: 1819

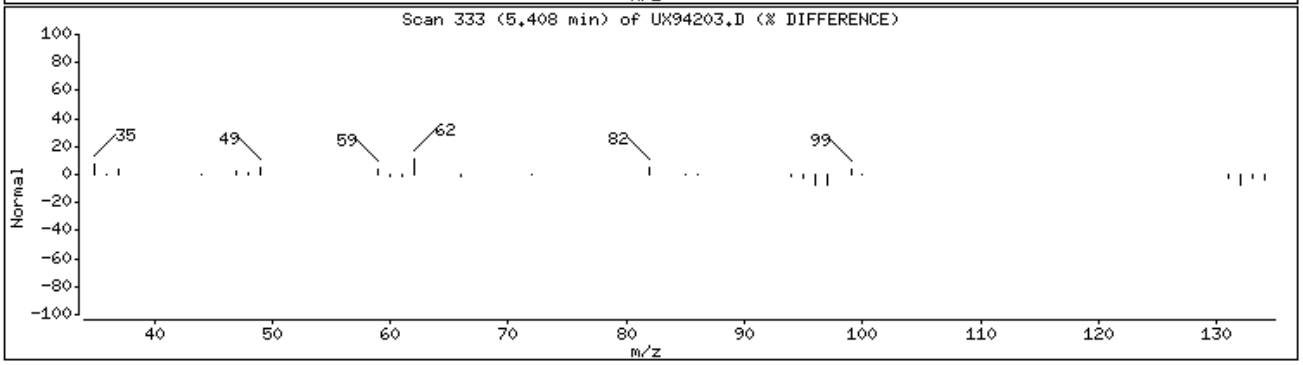
Column phase: DB624 Column diameter: 0.18

42 Trichloroethene Concentration: 1.262 ug/L









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Date : 16-JUN-2005 22:53

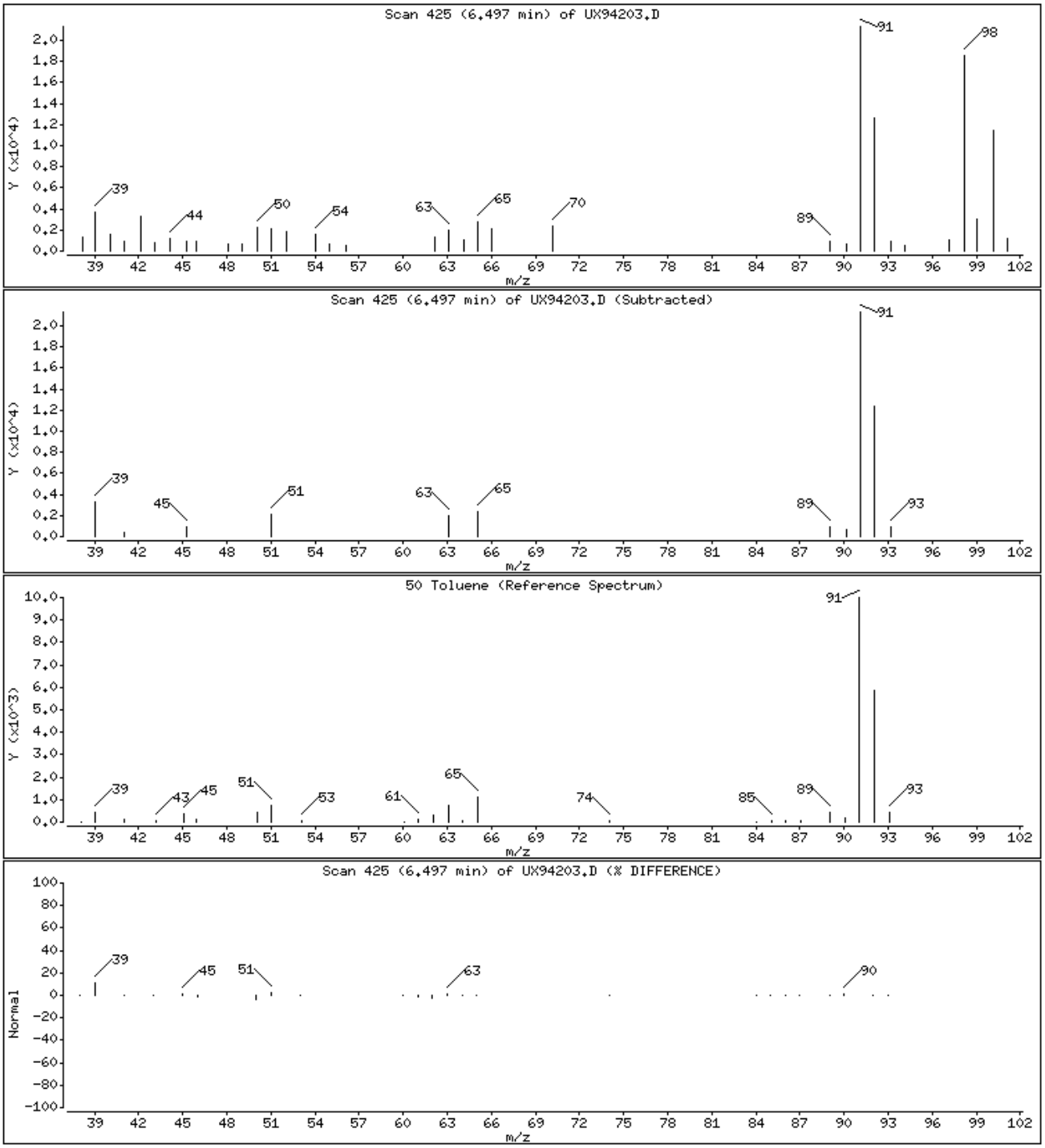
Client ID: GW-060305-AJ-043 Instrument: a3ux9.i

Sample Info: HCX4R1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 0.6129 ug/L



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Date : 16-JUN-2005 22:53

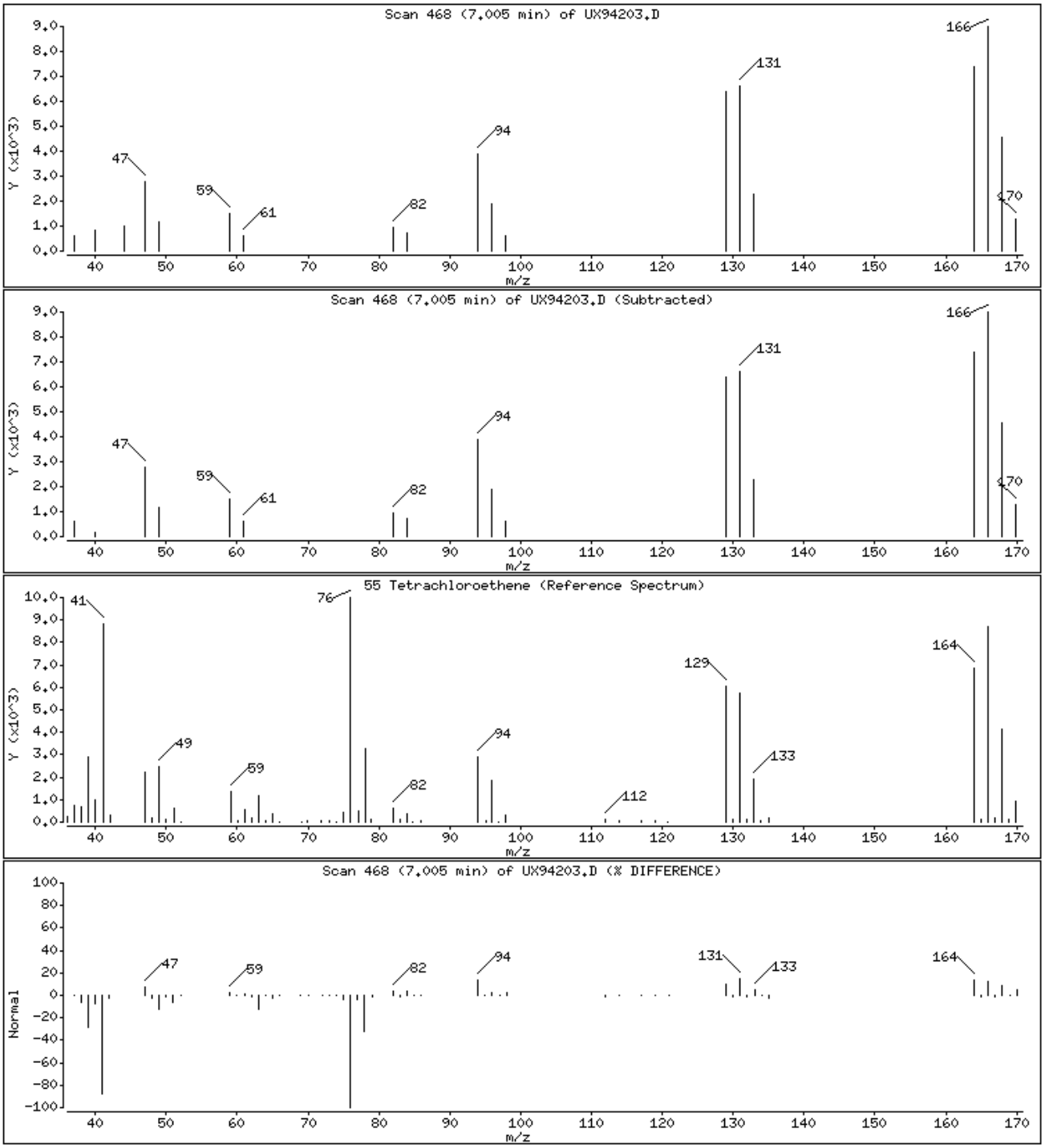
Client ID: GW-060305-AJ-043 Instrument: a3ux9.i

Sample Info: HCX4R1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 1.139 ug/L



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Date : 16-JUN-2005 22:53

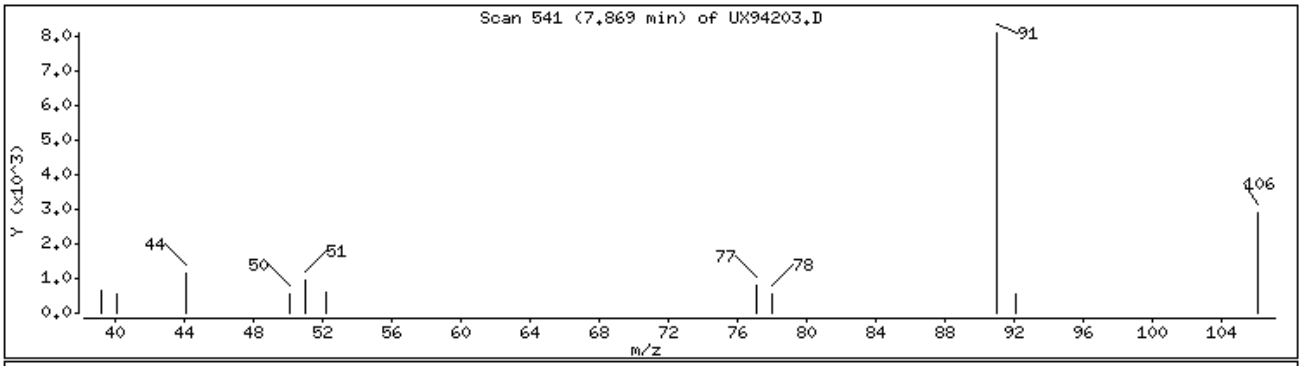
Client ID: GW-060305-AJ-043 Instrument: a3ux9.i

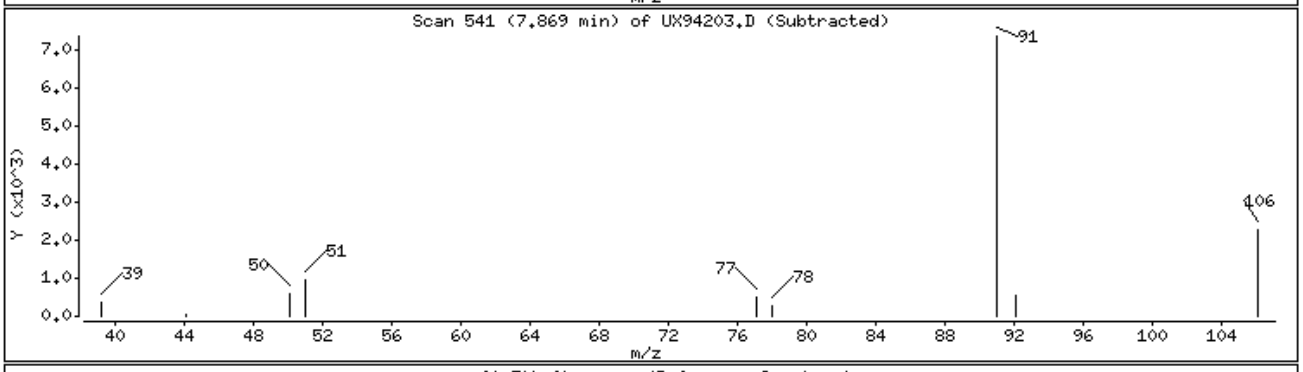
Sample Info: HCX4R1AA,5ML/5ML

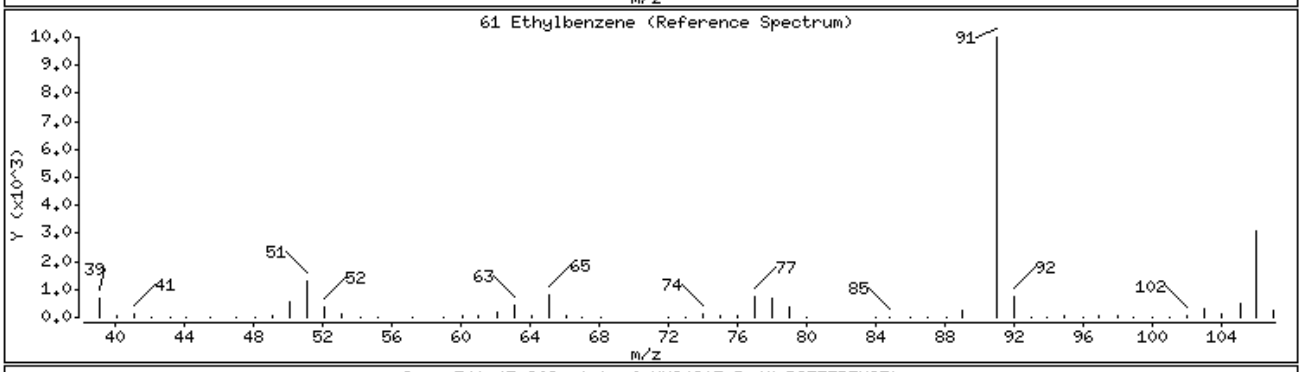
Purge Volume: 5.0 Operator: 1819

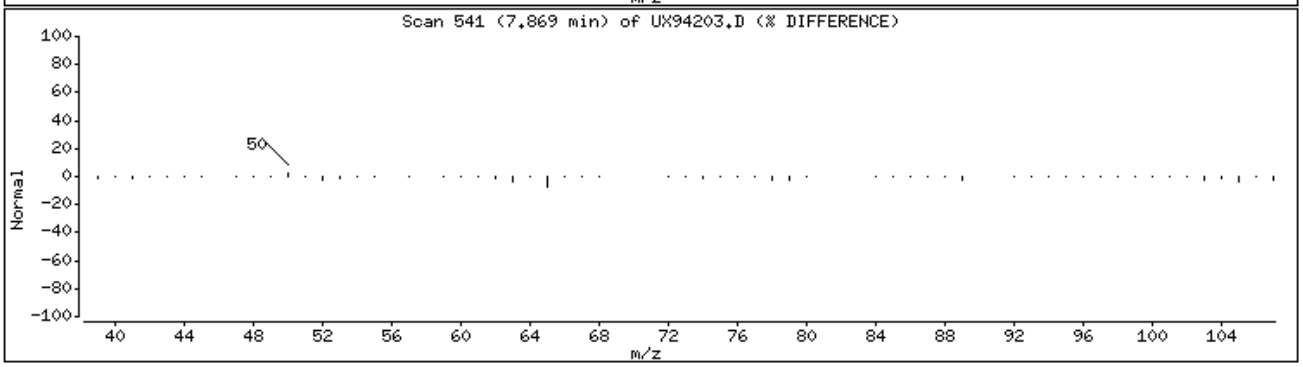
Column phase: DB624 Column diameter: 0.18

61 Ethylbenzene Concentration: 0.1996 ug/L









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Date : 16-JUN-2005 22:53

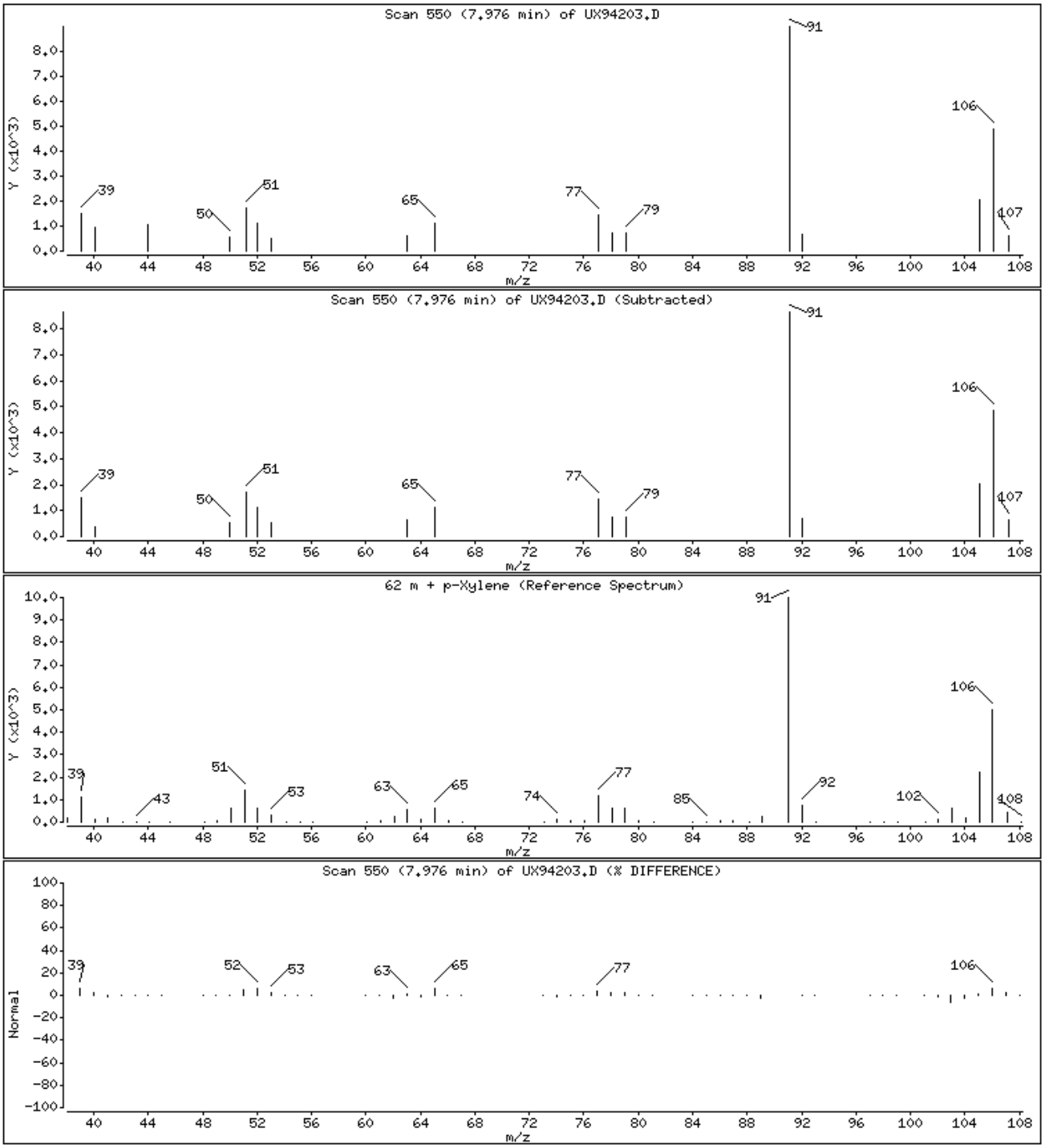
Client ID: GW-060305-AJ-043 Instrument: a3ux9.i

Sample Info: HCX4R1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

62 m + p-Xylene Concentration: 0.2870 ug/L



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Date : 16-JUN-2005 22:53

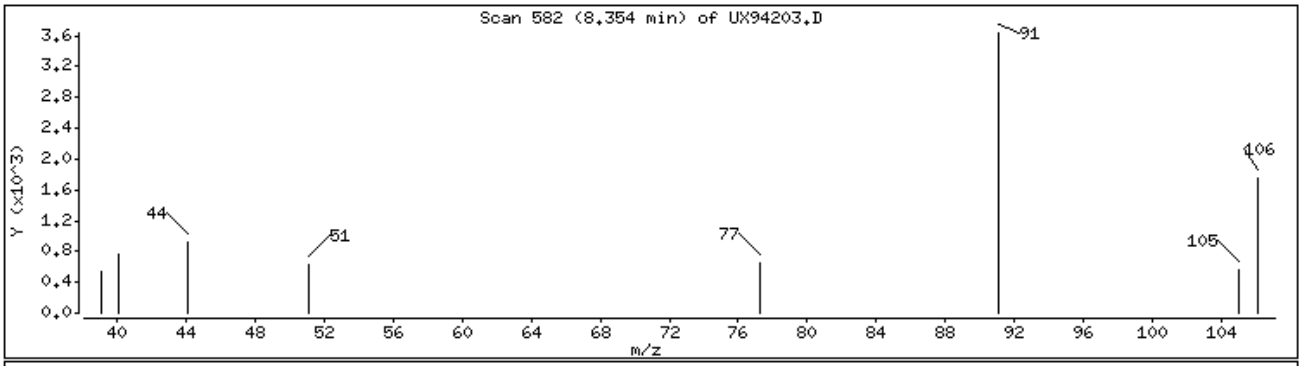
Client ID: GW-060305-AJ-043 Instrument: a3ux9.i

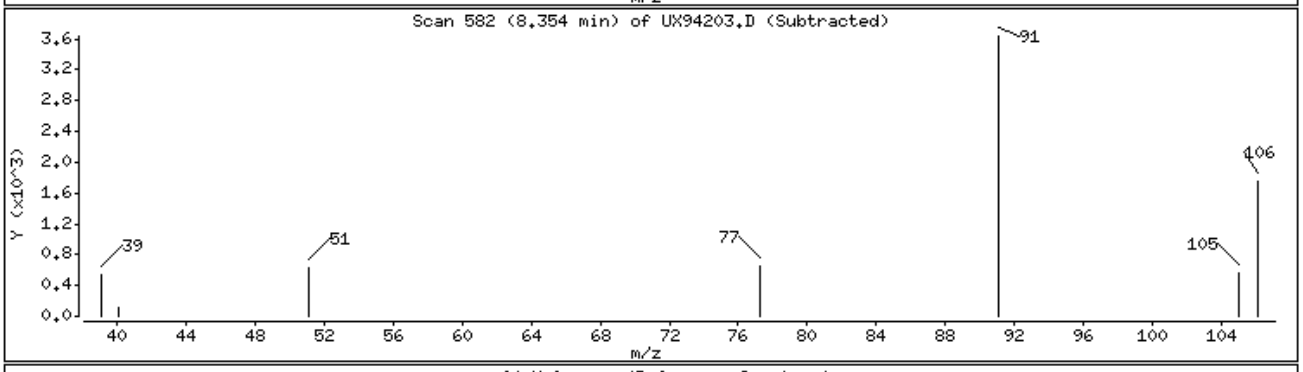
Sample Info: HCX4R1AA,5ML/5ML

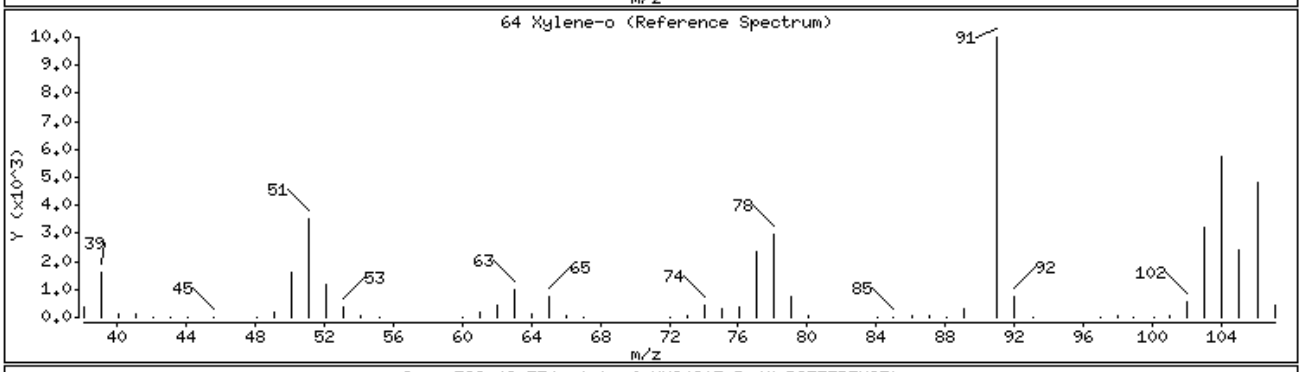
Purge Volume: 5.0 Operator: 1819

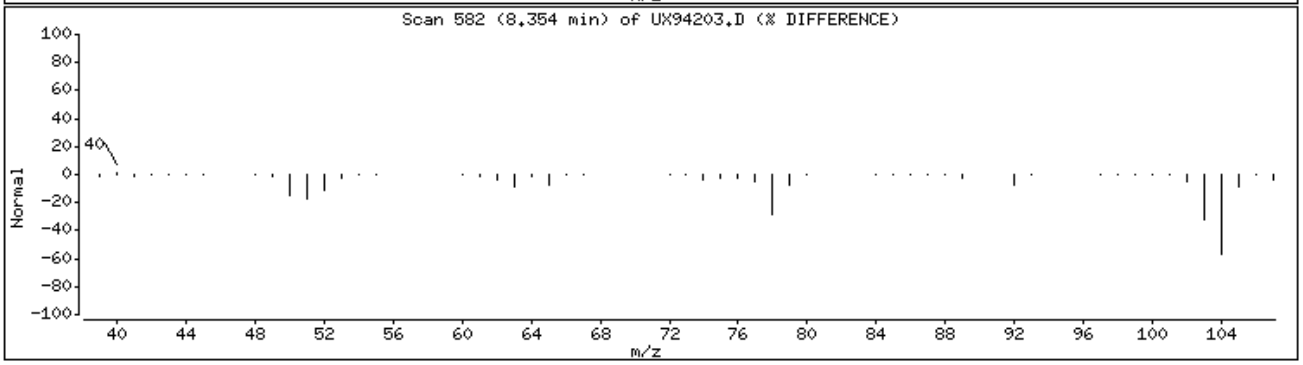
Column phase: DB624 Column diameter: 0.18

64 Xylene-o Concentration: 0.1028 ug/L









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Date : 16-JUN-2005 22:53

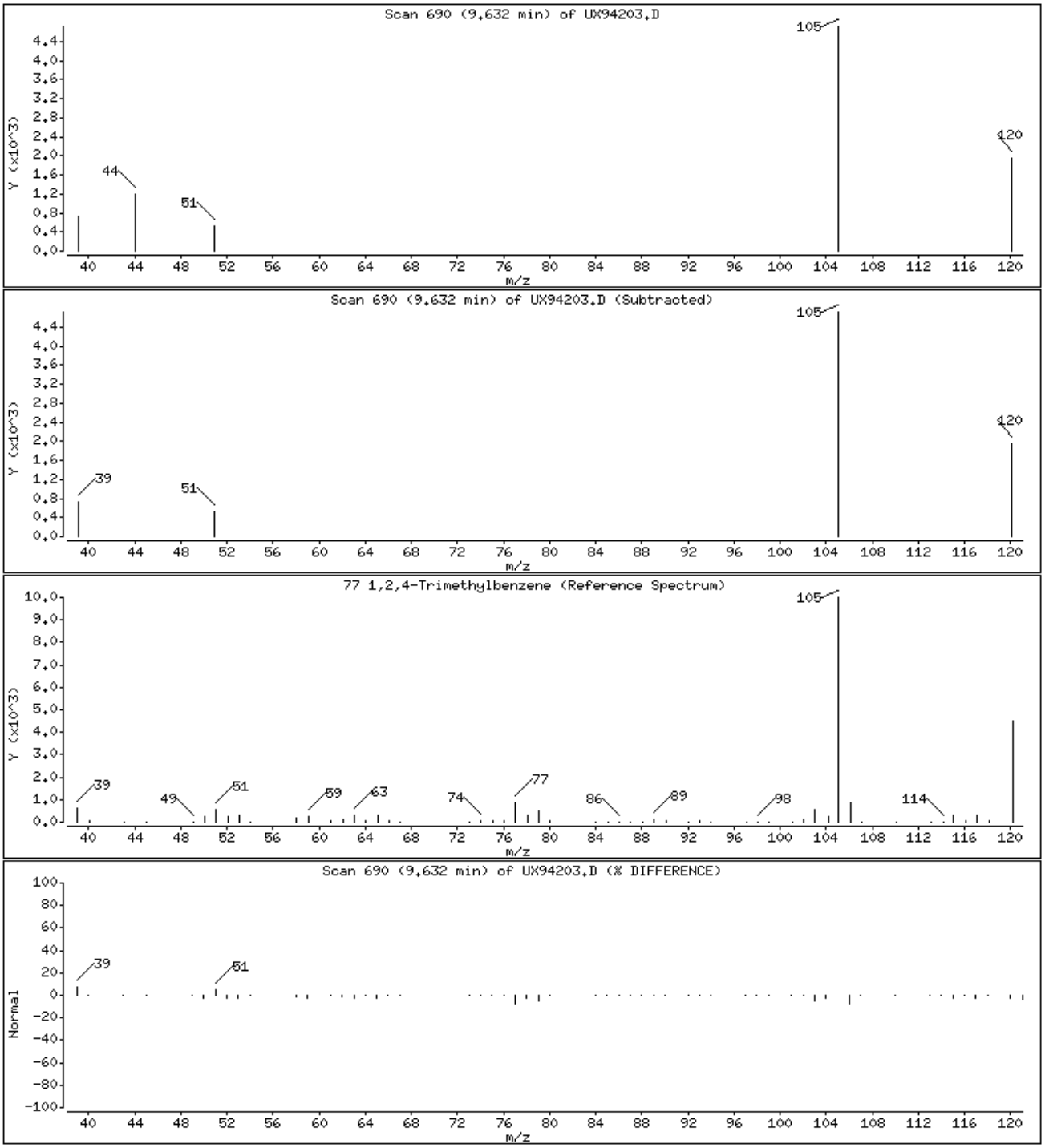
Client ID: GW-060305-AJ-043 Instrument: a3ux9.i

Sample Info: HCX4R1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

77 1,2,4-Trimethylbenzene Concentration: 0.1663 ug/L



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Date : 16-JUN-2005 22:53

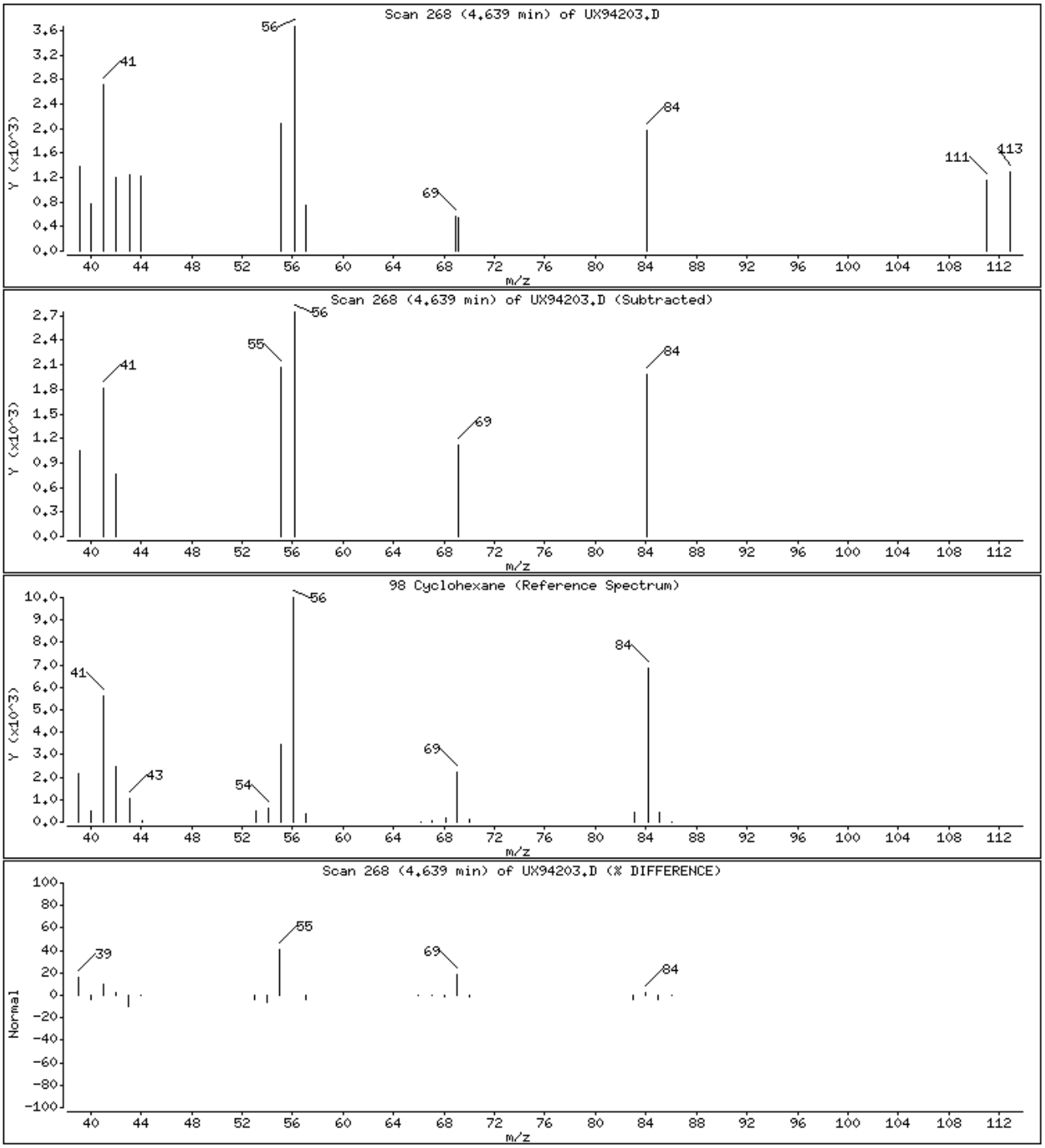
Client ID: GW-060305-AJ-043 Instrument: a3ux9.i

Sample Info: HCX4R1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

98 Cyclohexane Concentration: 0.2298 ug/L



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Date : 16-JUN-2005 22:53

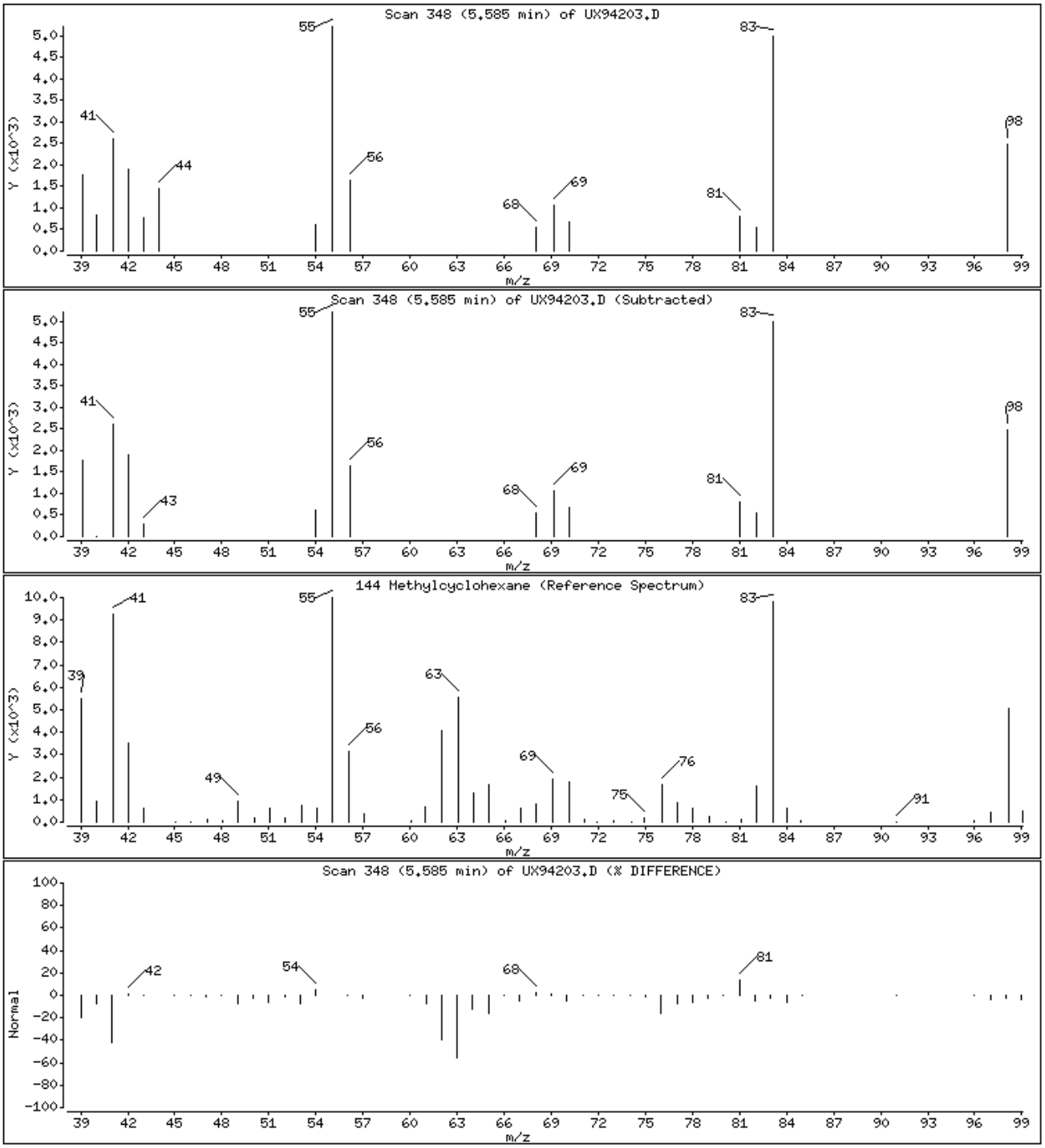
Client ID: GW-060305-AJ-043 Instrument: a3ux9.i

Sample Info: HCX4R1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

144 Methylcyclohexane Concentration: 0.3068 ug/L



Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-060305-AJ-044

GC/MS Volatiles

Lot-Sample #...: A5F040126-005 **Work Order #...:** HCX4X1AA **Matrix.....:** WG
Date Sampled...: 06/03/05 14:05 **Date Received..:** 06/04/05
Prep Date.....: 06/16/05 **Analysis Date..:** 06/16/05
Prep Batch #...: 5168046
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**1.3 J,B**	**10**	**ug/L**
Benzene	ND	1.0	ug/L
Bromodichloromethane	**1.4**	**1.0**	**ug/L**
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	**1.4**	**1.0**	**ug/L**
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	**1.7**	**1.0**	**ug/L**
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-060305-AJ-044

GC/MS Volatiles

Lot-Sample #...: A5F040126-005 **Work Order #...:** HCX4X1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**0.64 J**	**1.0**	**ug/L**
Toluene	**0.21 J**	**1.0**	**ug/L**
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	**0.30 J**	**1.0**	**ug/L**
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**0.57 J**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
Toluene-d8	107	(76 - 110)
4-Bromofluorobenzene	87	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94204.D
Report Date: 17-Jun-2005 07:16

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94204.D
Lab Smp Id: HCX4X1AA Client Smp ID: GW-060305-AJ-044
Inj Date : 16-JUN-2005 23:15
Operator : 1819 Inst ID: a3ux9.i
Smp Info : HCX4X1AA,5ML/5ML
Misc Info : N50616B,8260MIUX9,2-8260.SUB,1819
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50616B.b\8260MIUX9.m
Meth Date : 16-Jun-2005 18:20 Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.096	5.097	(1.000)	671379	50.0000	
* 2 Chlorobenzene-d5	117	7.747	7.748	(1.000)	468341	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.983	9.984	(1.000)	168513	50.0000	
$ 4 Dibromofluoromethane	113	4.540	4.541	(0.891)	151161	55.6386	11.128
$ 5 1,2-Dichloroethane-d4	65	4.824	4.825	(0.947)	190733	51.1660	10.233
$ 6 Toluene-d8	98	6.445	6.446	(0.832)	712989	53.4172	10.683
$ 7 Bromofluorobenzene	95	8.859	8.848	(1.144)	209344	43.4310	8.686
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.800	2.790	(0.550)	15237	6.67373	1.335
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94204.D
Report Date: 17-Jun-2005 07:16

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	3.581	3.582	(0.703)	5297	0.73251	0.1465
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.410	4.411	(0.865)	39233	7.01690	1.403
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.587	4.576	(0.900)	6715	1.50806	0.3016
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.883	4.884	(0.958)	8469	0.54241	0.1085
	42 Trichloroethene	130	5.404	5.405	(1.060)	10312	2.84104	0.5682
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.818	5.819	(1.142)	26960	6.96755	1.394
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.504	6.505	(0.840)	17734	1.07461	0.2149
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.001	7.002	(0.904)	9277	3.20781	0.6416
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	7.214	7.215	(0.931)	17723	8.46599	1.693
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

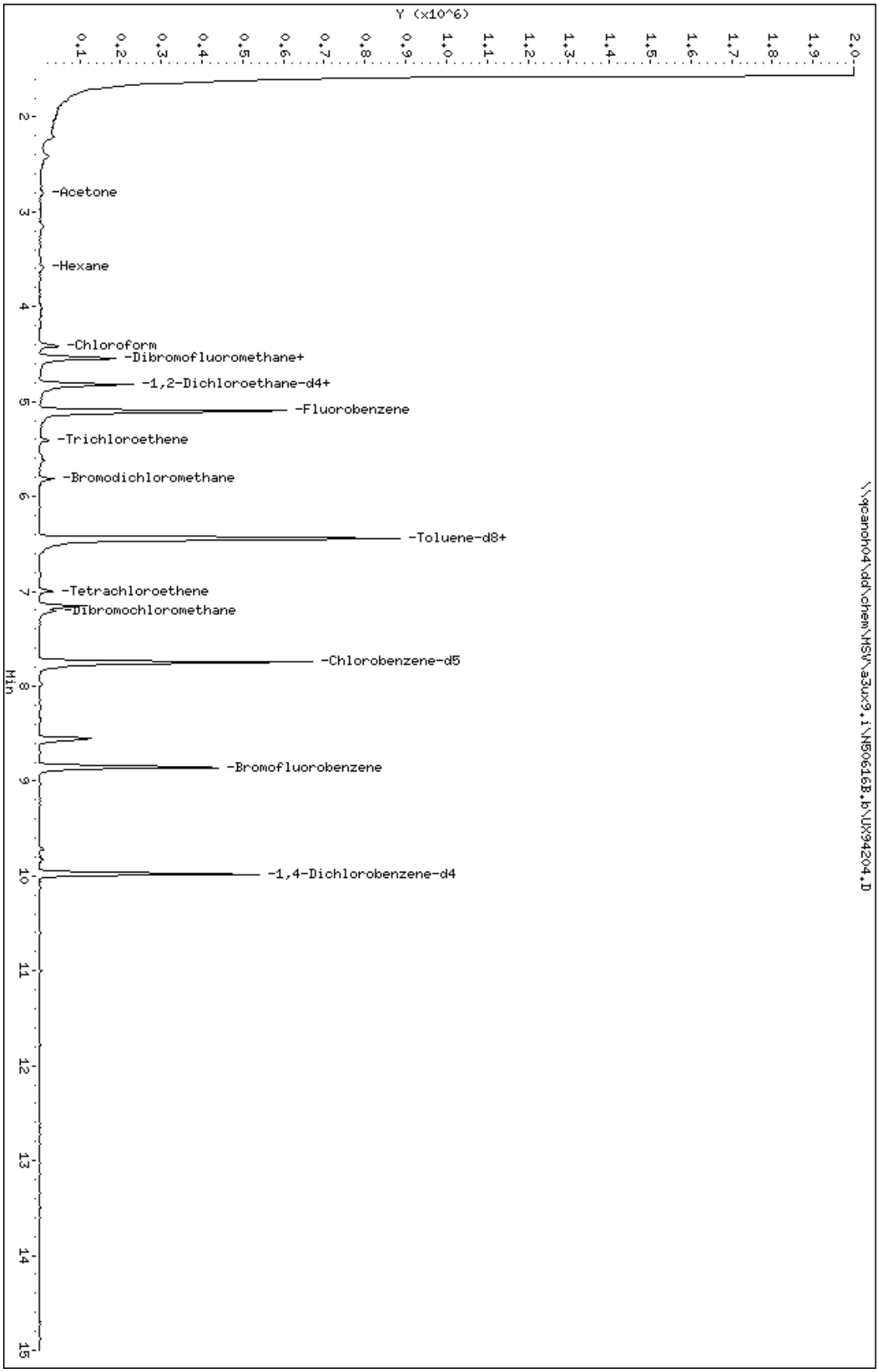
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94204.D
Report Date: 17-Jun-2005 07:16

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94204.D
Date : 16-JUN-2005 23:15
Client ID: GW-060305-AJ-044
Sample Info: HCX4X1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18



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Date : 16-JUN-2005 23:15

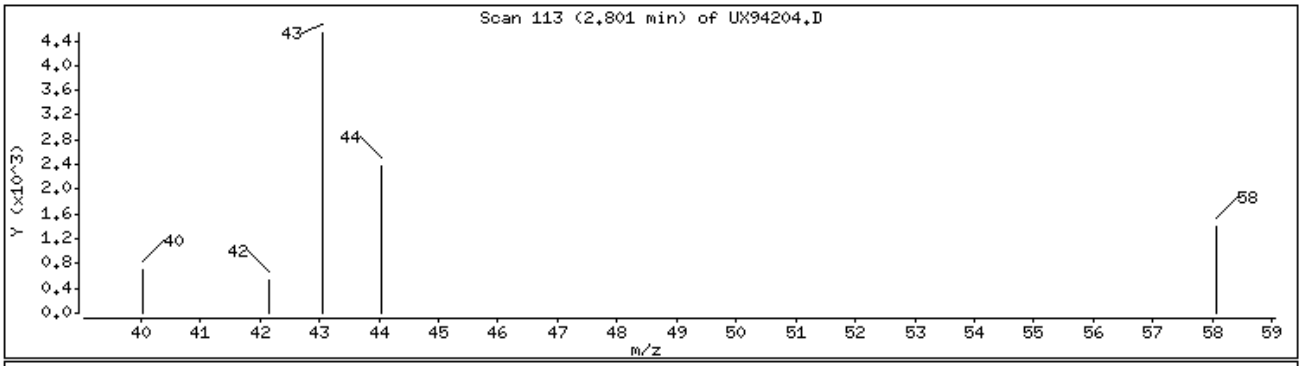
Client ID: GW-060305-AJ-044 Instrument: a3ux9.i

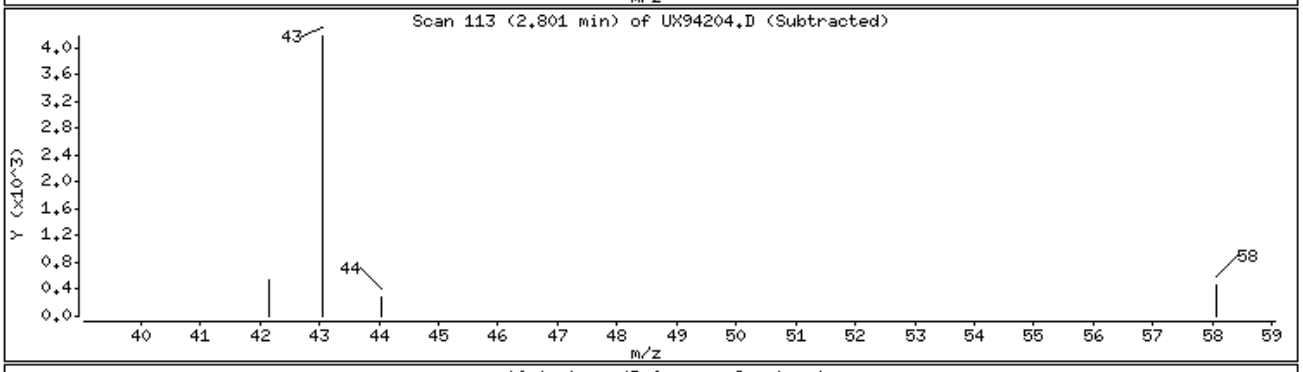
Sample Info: HCX4X1AA,5ML/5ML

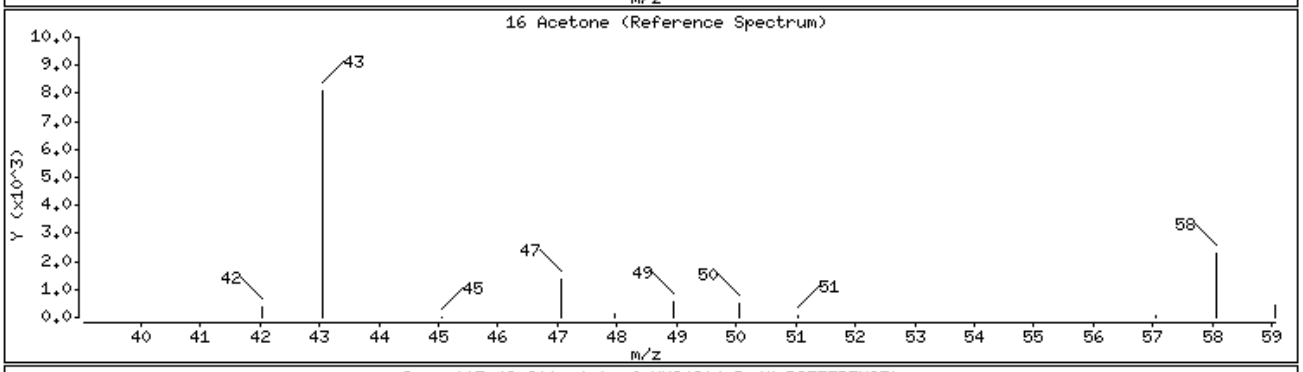
Purge Volume: 5.0 Operator: 1819

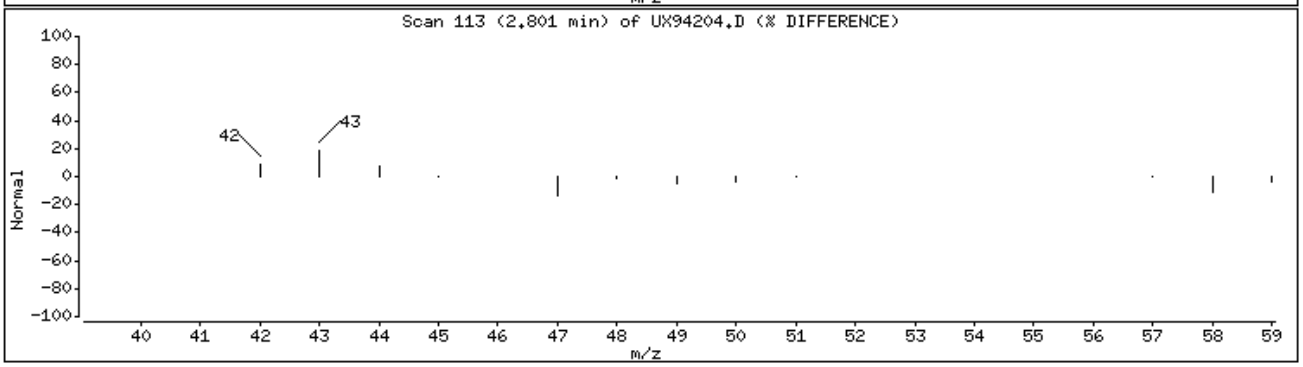
Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 1.335 ug/L









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Date : 16-JUN-2005 23:15

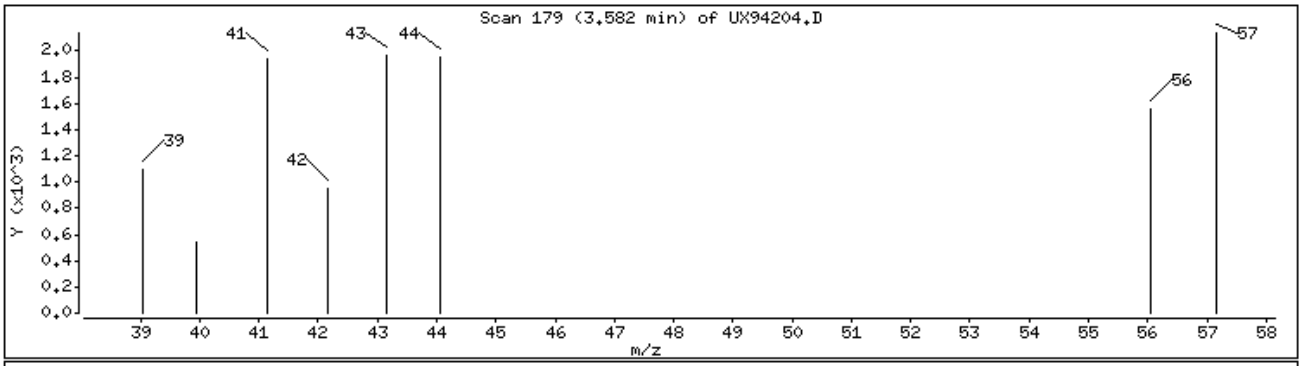
Client ID: GW-060305-AJ-044 Instrument: a3ux9.i

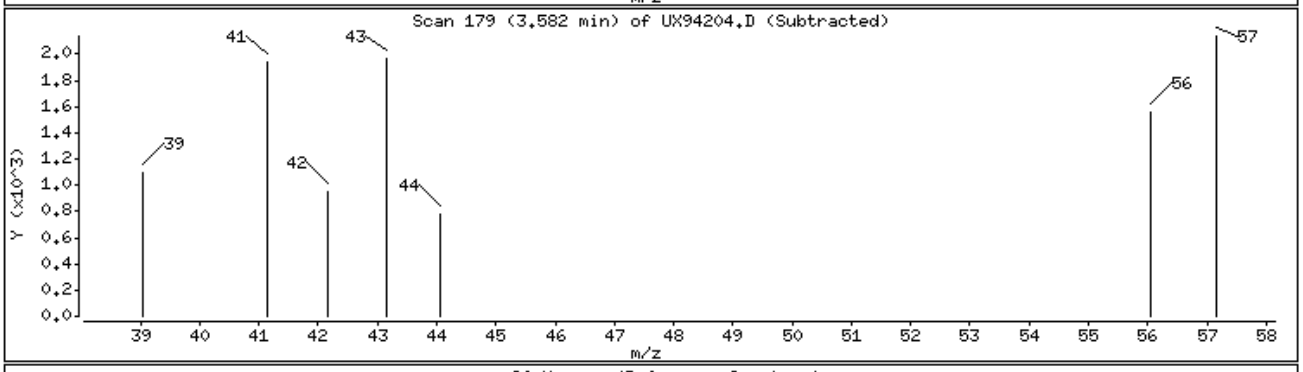
Sample Info: HCX4X1AA,5ML/5ML

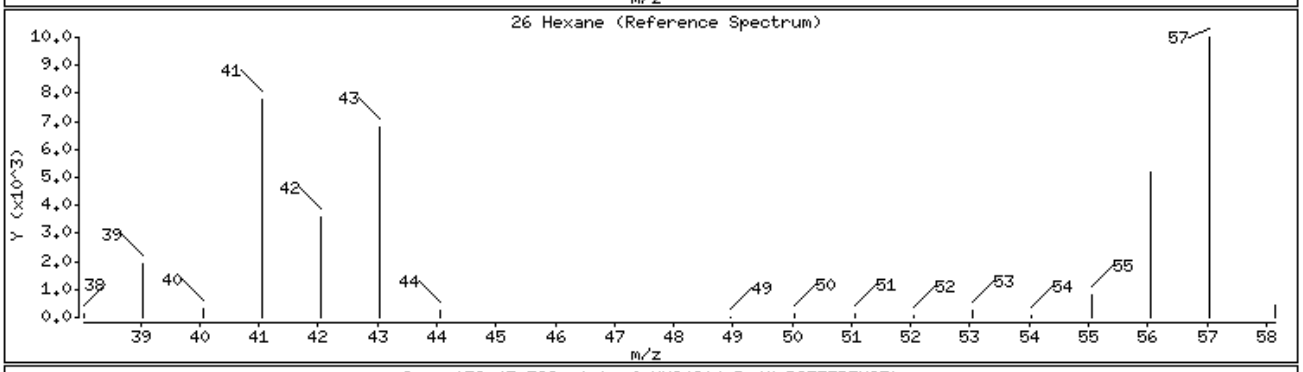
Purge Volume: 5.0 Operator: 1819

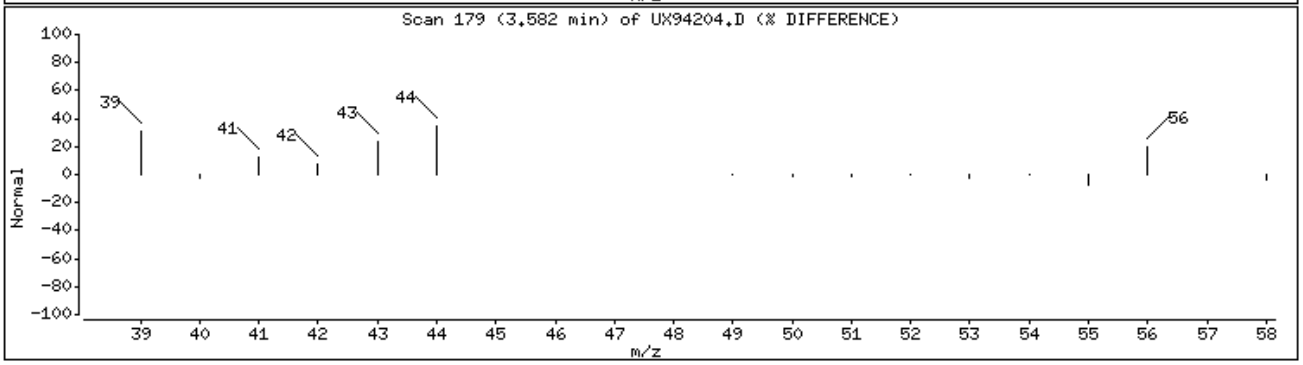
Column phase: DB624 Column diameter: 0.18

26 Hexane Concentration: 0.1465 ug/L









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Date : 16-JUN-2005 23:15

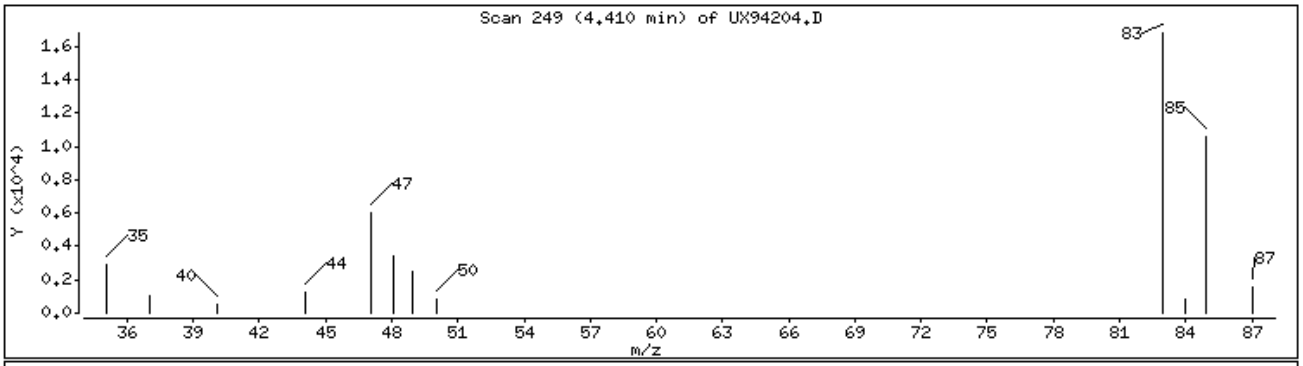
Client ID: GW-060305-AJ-044 Instrument: a3ux9.i

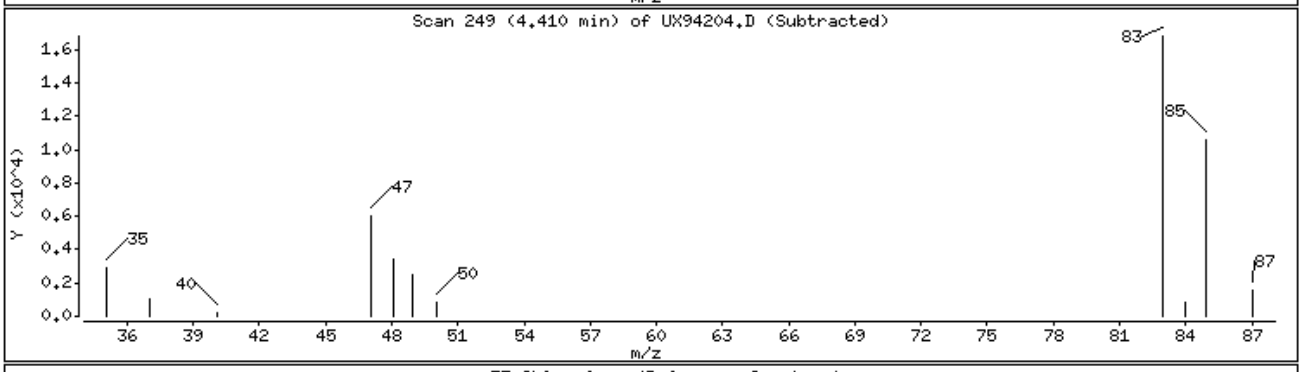
Sample Info: HCX4X1AA,5ML/5ML

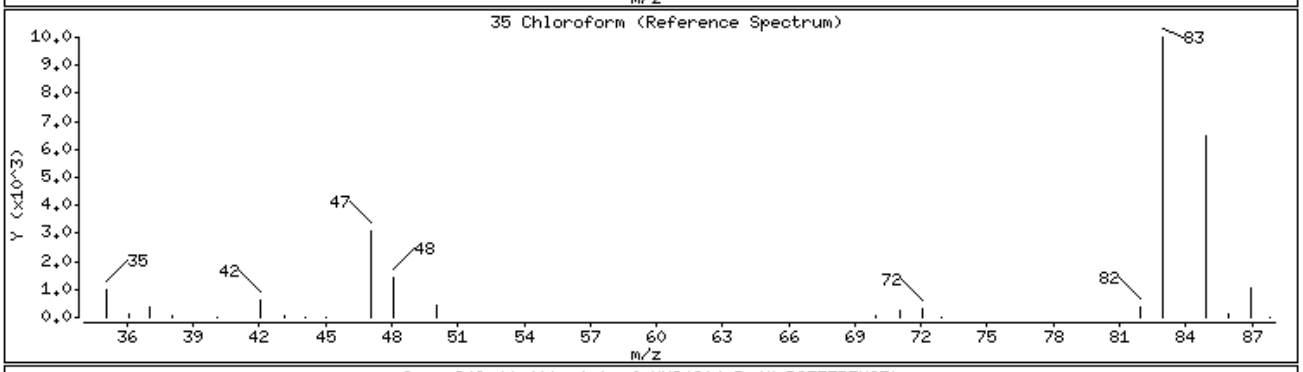
Purge Volume: 5.0 Operator: 1819

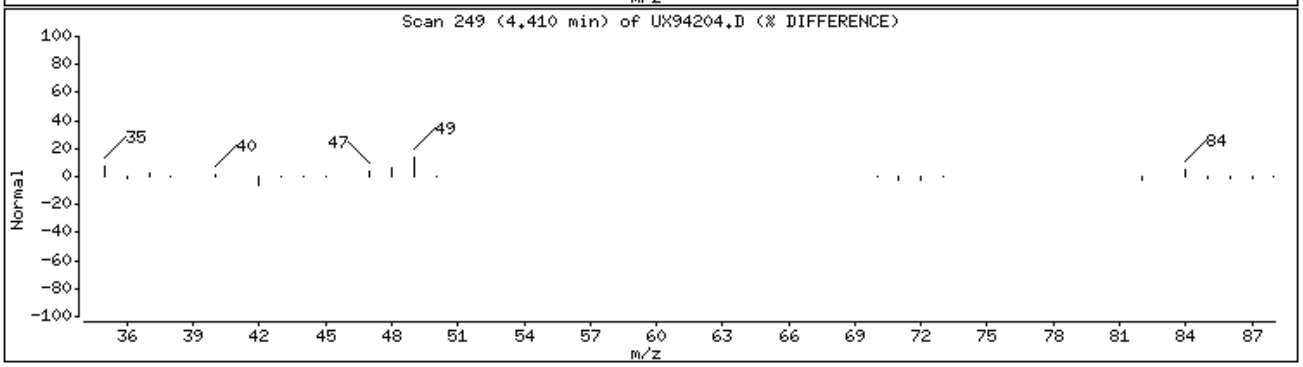
Column phase: DB624 Column diameter: 0.18

35 Chloroform Concentration: 1.403 ug/L









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Date : 16-JUN-2005 23:15

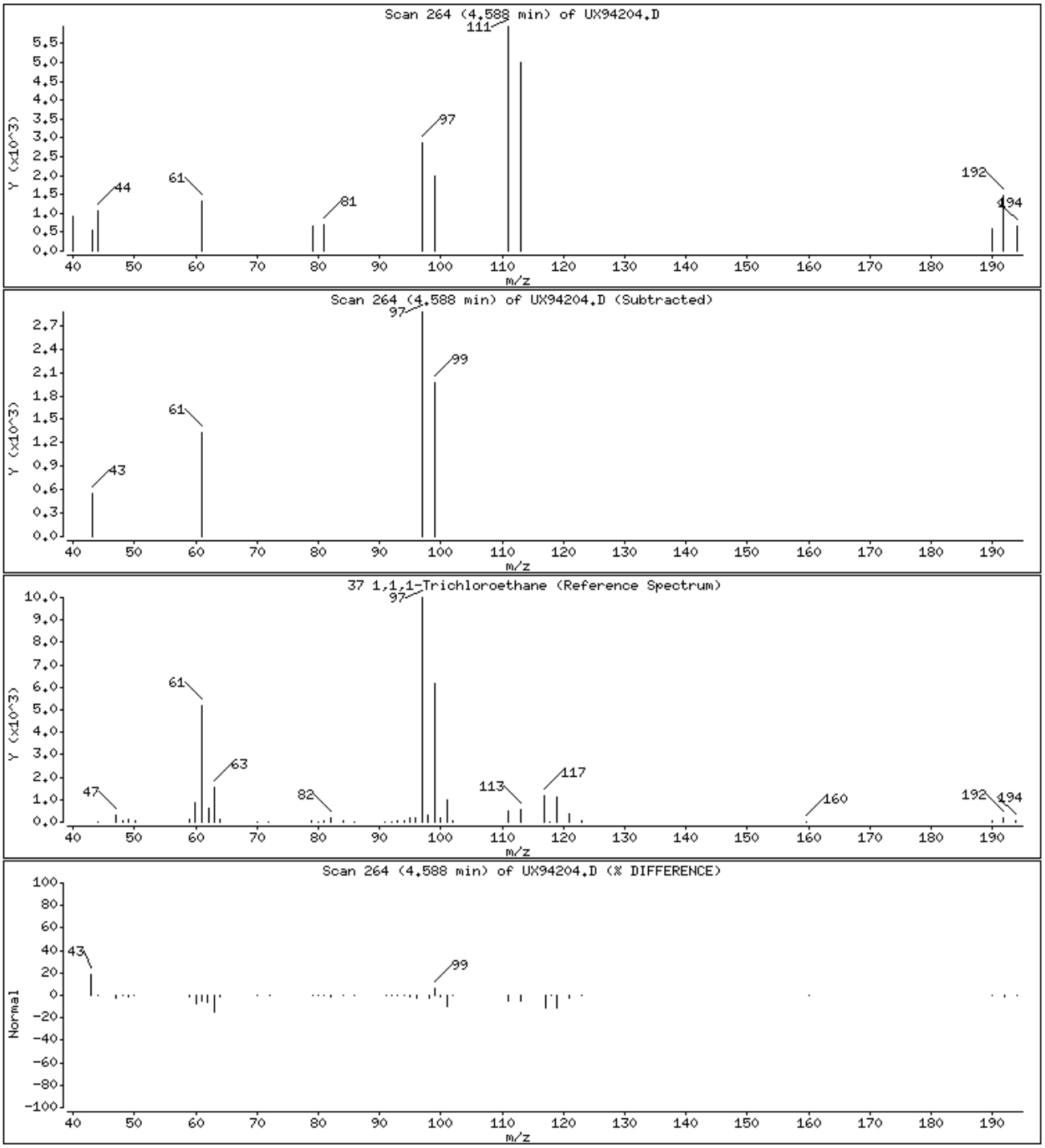
Client ID: GW-060305-AJ-044 Instrument: a3ux9.i

Sample Info: HCX4X1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

37 1,1,1-Trichloroethane Concentration: 0.3016 ug/L



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Date : 16-JUN-2005 23:15

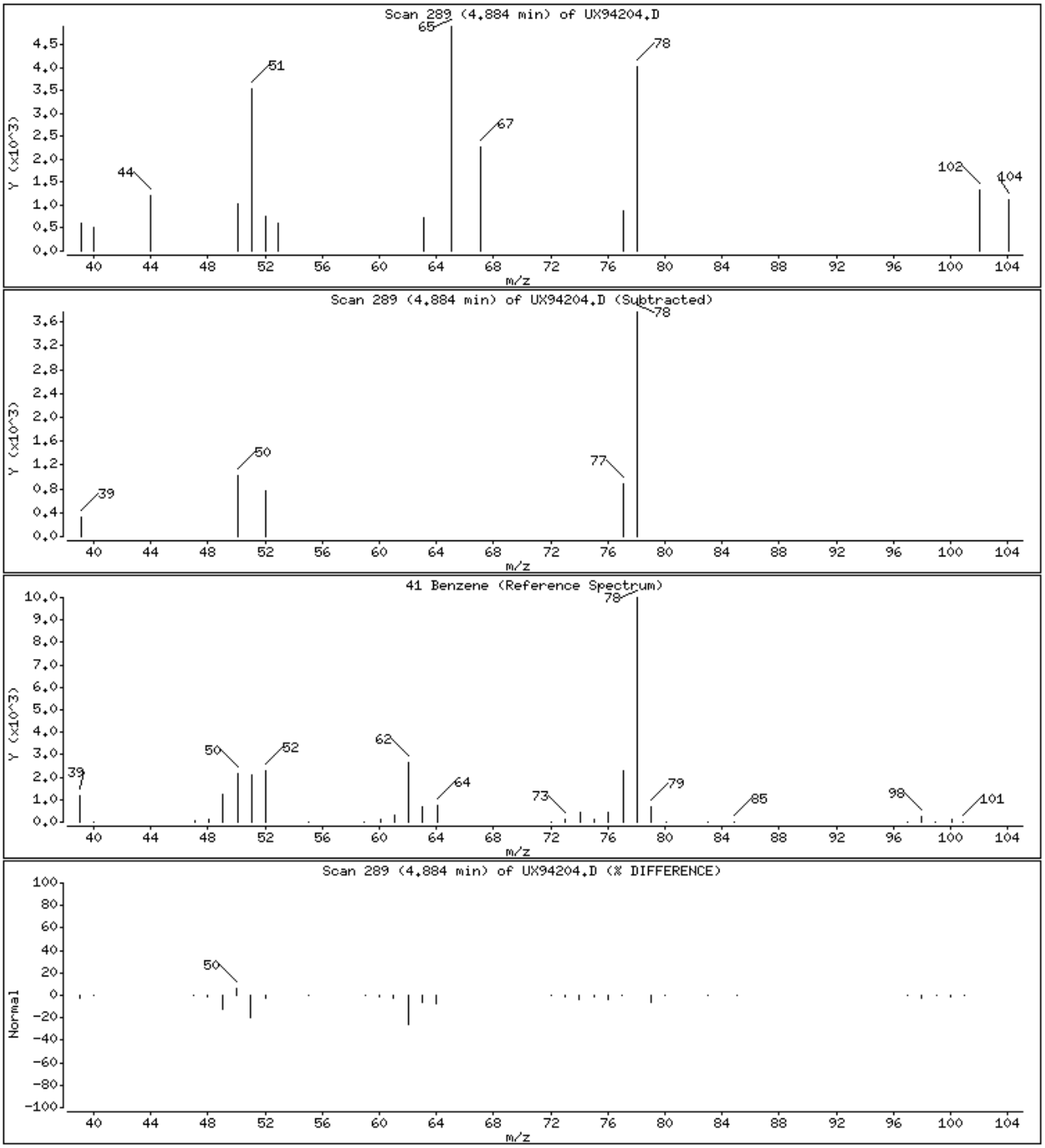
Client ID: GW-060305-AJ-044 Instrument: a3ux9.i

Sample Info: HCX4X1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 0.1085 ug/L



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Date : 16-JUN-2005 23:15

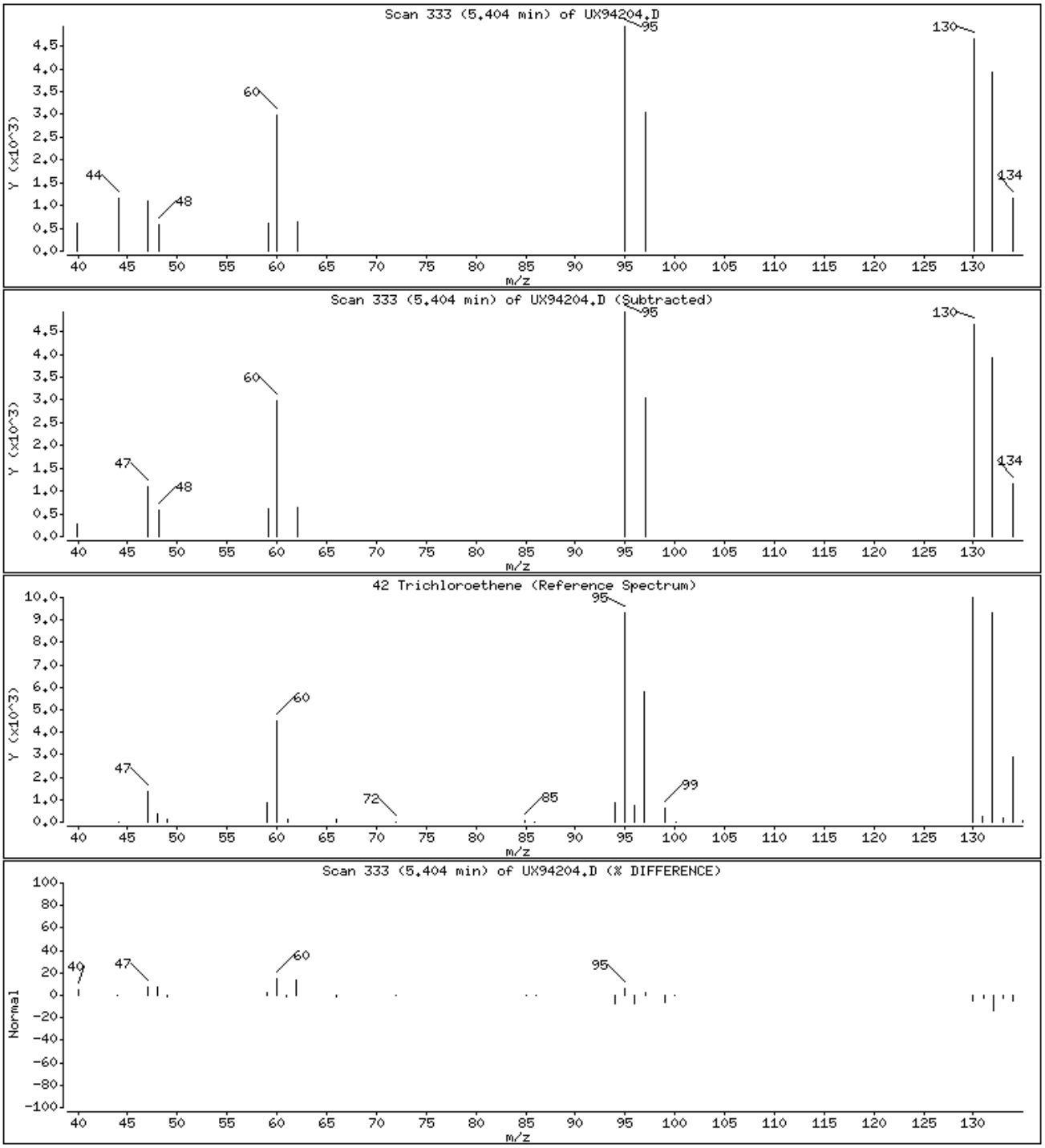
Client ID: GW-060305-AJ-044 Instrument: a3ux9.i

Sample Info: HCX4X1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

42 Trichloroethene Concentration: 0.5682 ug/L



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Date : 16-JUN-2005 23:15

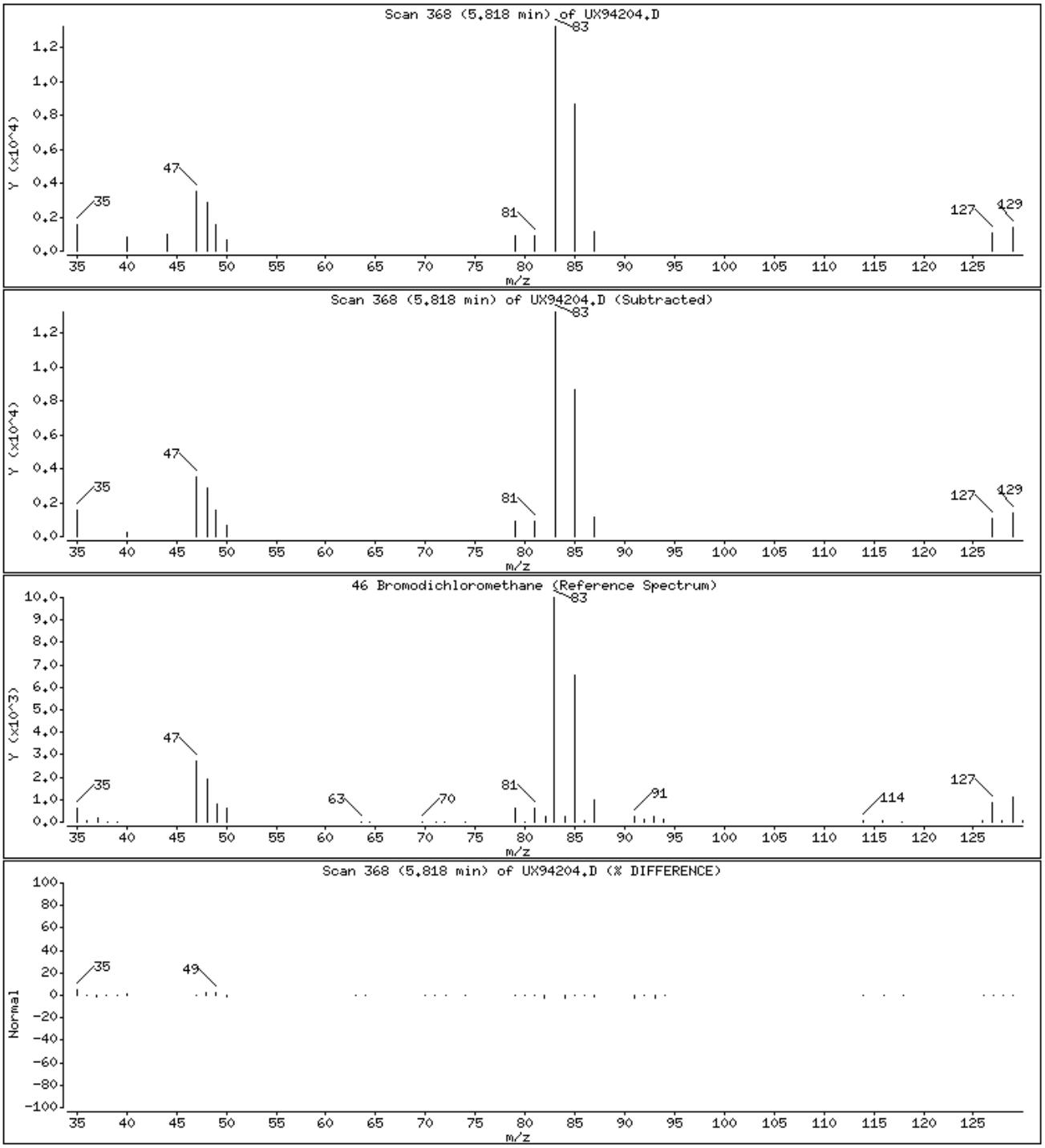
Client ID: GW-060305-AJ-044 Instrument: a3ux9.i

Sample Info: HCX4X1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

46 Bromodichloromethane Concentration: 1.394 ug/L



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Date : 16-JUN-2005 23:15

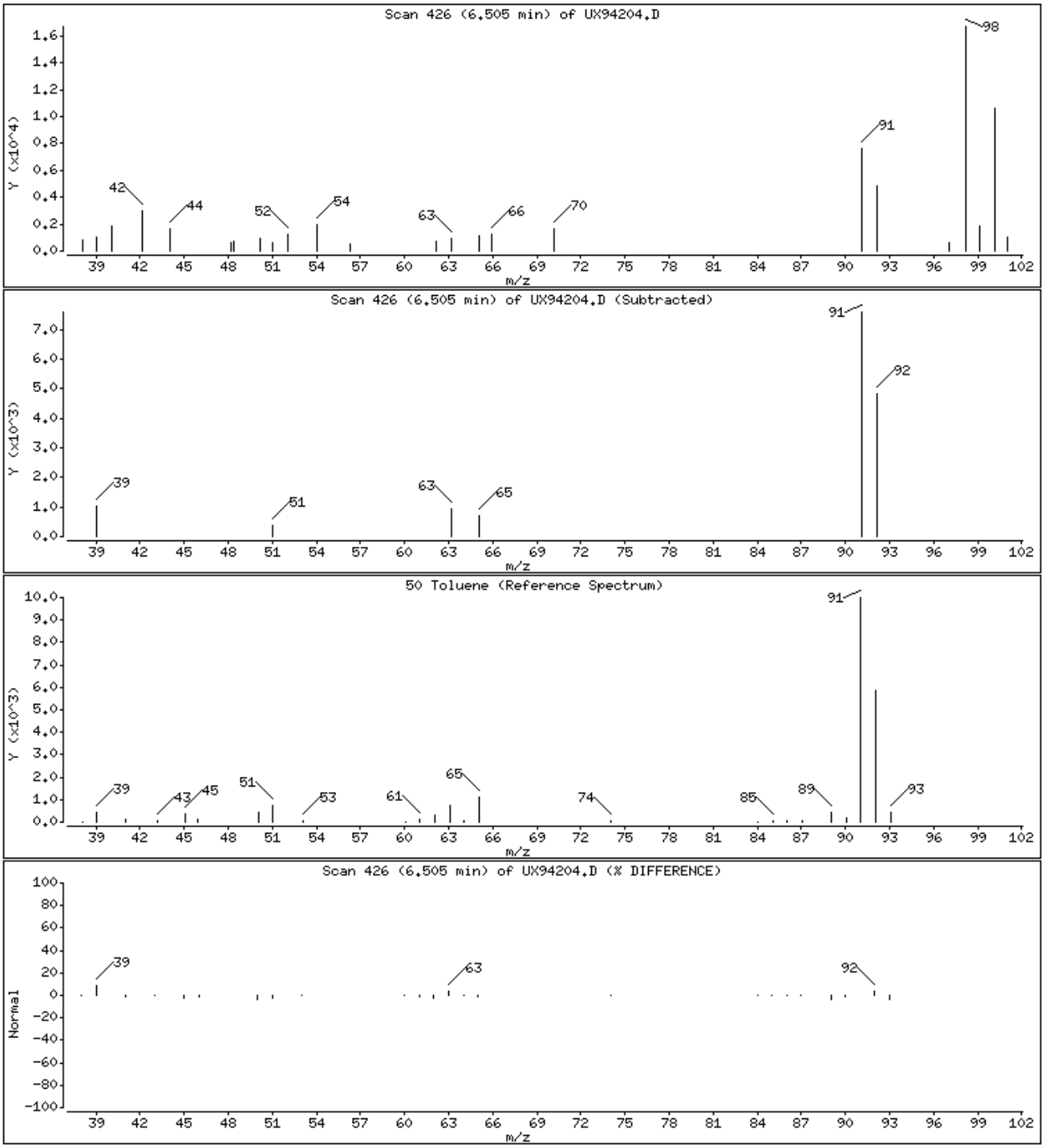
Client ID: GW-060305-AJ-044 Instrument: a3ux9.i

Sample Info: HCX4X1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 0.2149 ug/L



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Date : 16-JUN-2005 23:15

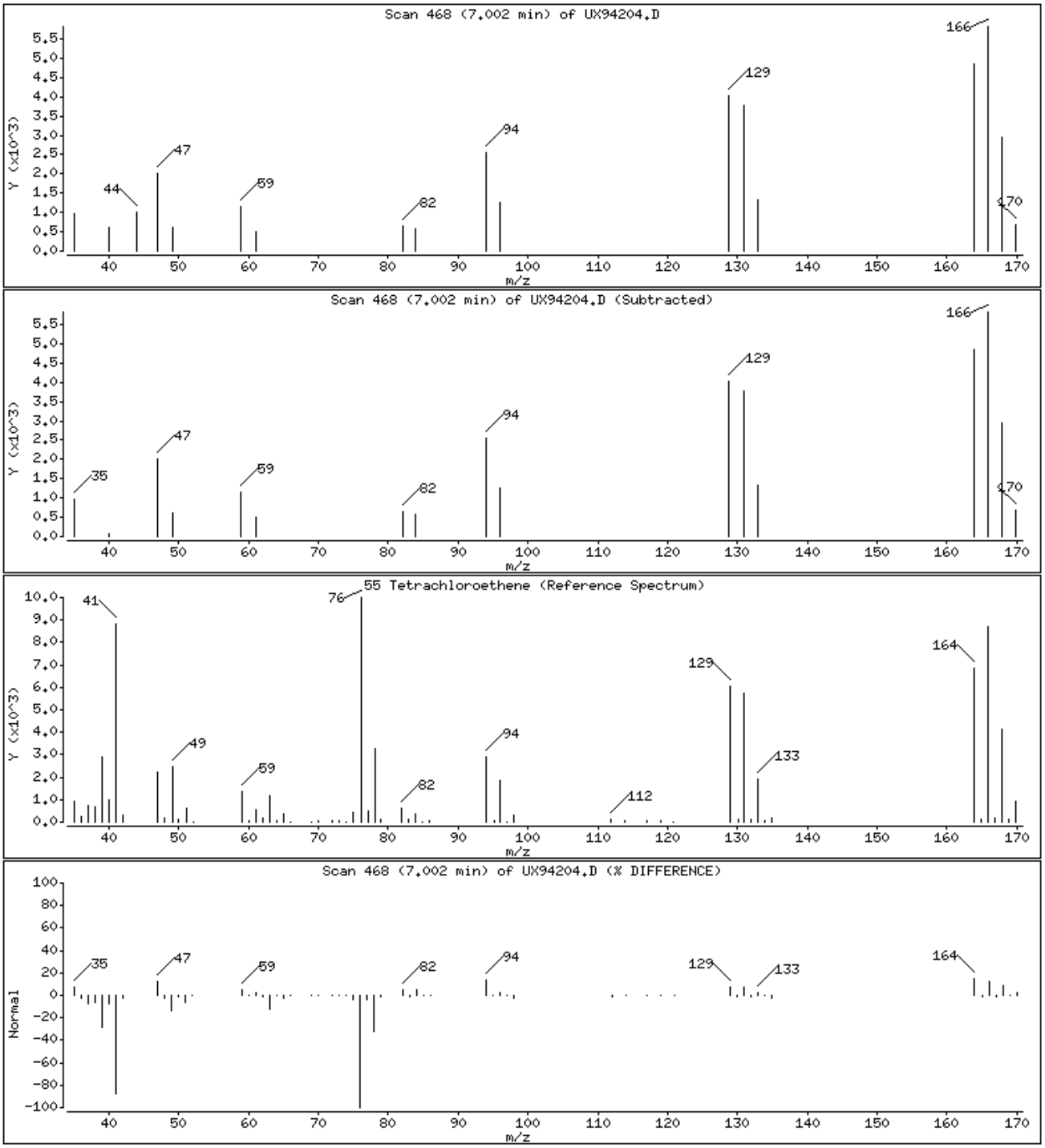
Client ID: GW-060305-AJ-044 Instrument: a3ux9.i

Sample Info: HCX4X1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 0.6416 ug/L



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Date : 16-JUN-2005 23:15

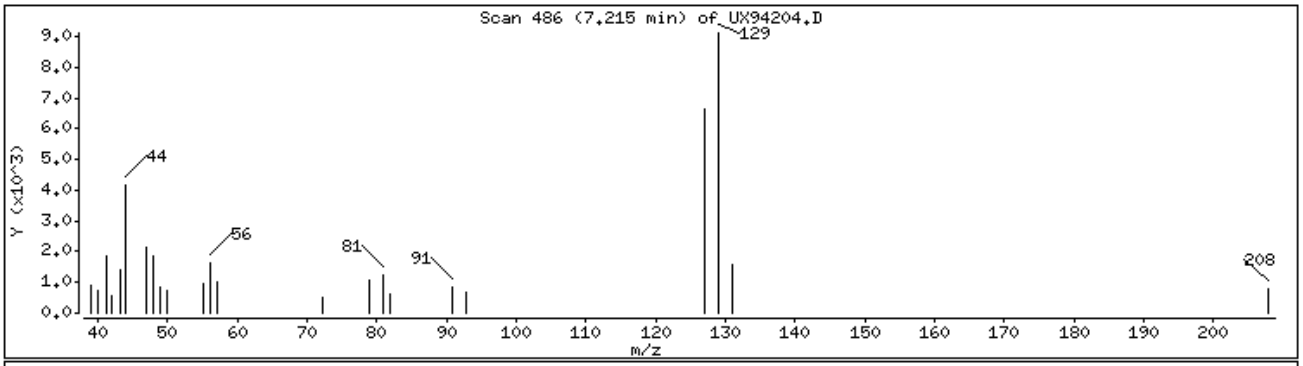
Client ID: GW-060305-AJ-044 Instrument: a3ux9.i

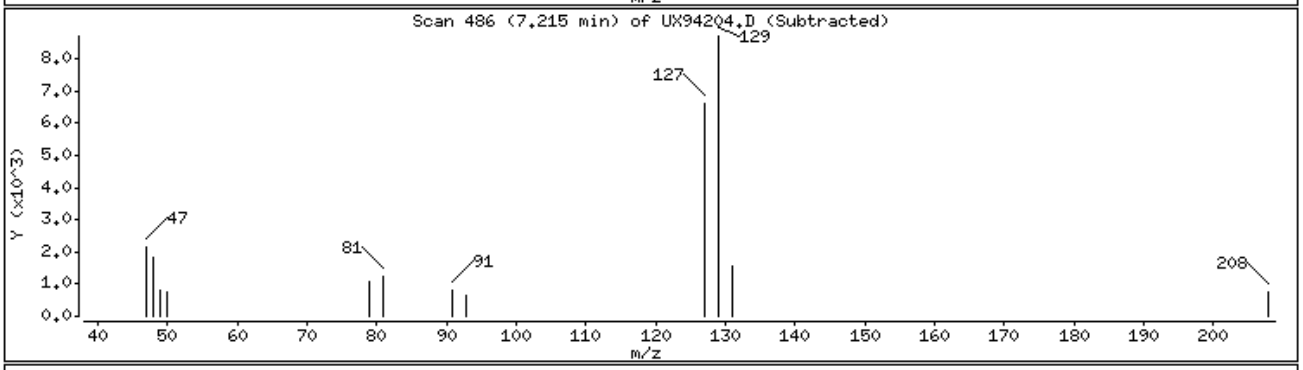
Sample Info: HCX4X1AA,5ML/5ML

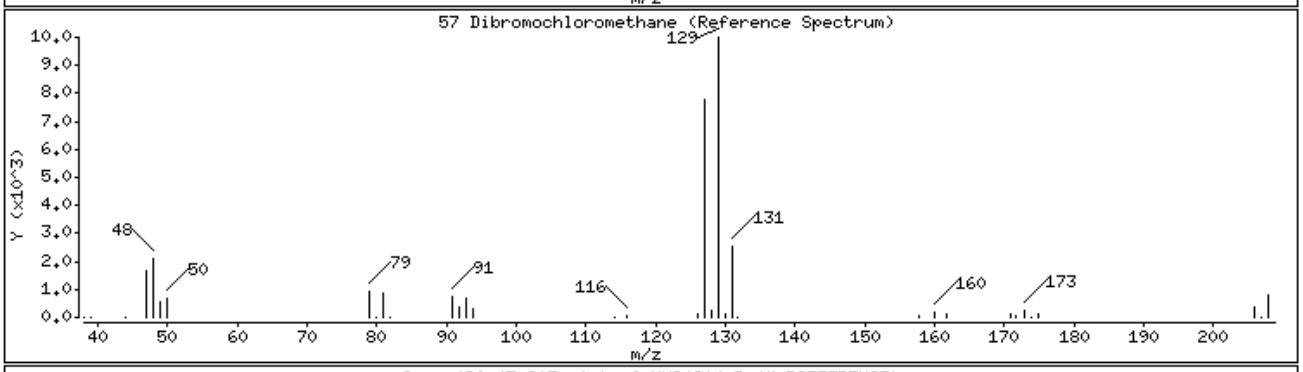
Purge Volume: 5.0 Operator: 1819

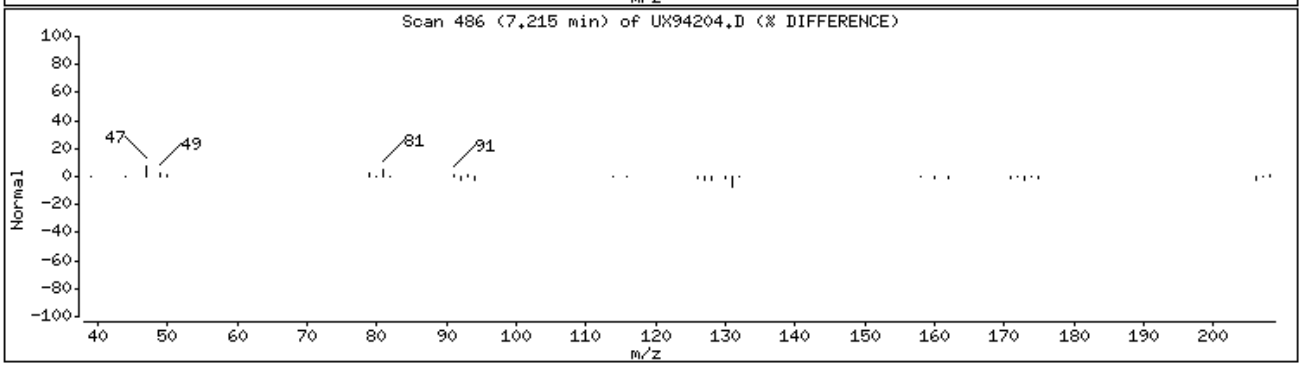
Column phase: DB624 Column diameter: 0.18

57 Dibromochloromethane Concentration: 1.693 ug/L









Conestoga-Rovers & Associates, Inc.

Client Sample ID: W-060305-AJ-045

GC/MS Volatiles

Lot-Sample #...: A5F040126-006 **Work Order #...:** HCX411AA **Matrix.....:** WG
Date Sampled...: 06/03/05 14:15 **Date Received..:** 06/04/05
Prep Date.....: 06/17/05 **Analysis Date..:** 06/17/05
Prep Batch #...: 5168046
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**1.3 J,B**	**10**	**ug/L**
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: W-060305-AJ-045

GC/MS Volatiles

Lot-Sample #...: A5F040126-006 **Work Order #...:** HCX411AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
Toluene-d8	106	(76 - 110)
4-Bromofluorobenzene	84	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94207.D
Report Date: 17-Jun-2005 07:19

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94207.D
Lab Smp Id: HCX411AA Client Smp ID: GW-060305-AJ-045
Inj Date : 17-JUN-2005 00:22
Operator : 1819 Inst ID: a3ux9.i
Smp Info : HCX411AA,5ML/5ML
Misc Info : N50616B,8260MIUX9,2-8260.SUB,1819
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50616B.b\8260MIUX9.m
Meth Date : 16-Jun-2005 18:20 Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.100	5.097	(1.000)	696424	50.0000	
* 2 Chlorobenzene-d5	117	7.750	7.748	(1.000)	462081	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.987	9.984	(1.000)	158142	50.0000	
$ 4 Dibromofluoromethane	113	4.544	4.541	(0.891)	149217	52.9479	10.590
$ 5 1,2-Dichloroethane-d4	65	4.828	4.825	(0.947)	187755	48.5558	9.711
$ 6 Toluene-d8	98	6.449	6.446	(0.832)	698947	53.0746	10.615
$ 7 Bromofluorobenzene	95	8.851	8.848	(1.142)	200117	42.0792	8.416
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.793	2.790	(0.548)	15111	6.38053	1.276
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94207.D
Report Date: 17-Jun-2005 07:19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

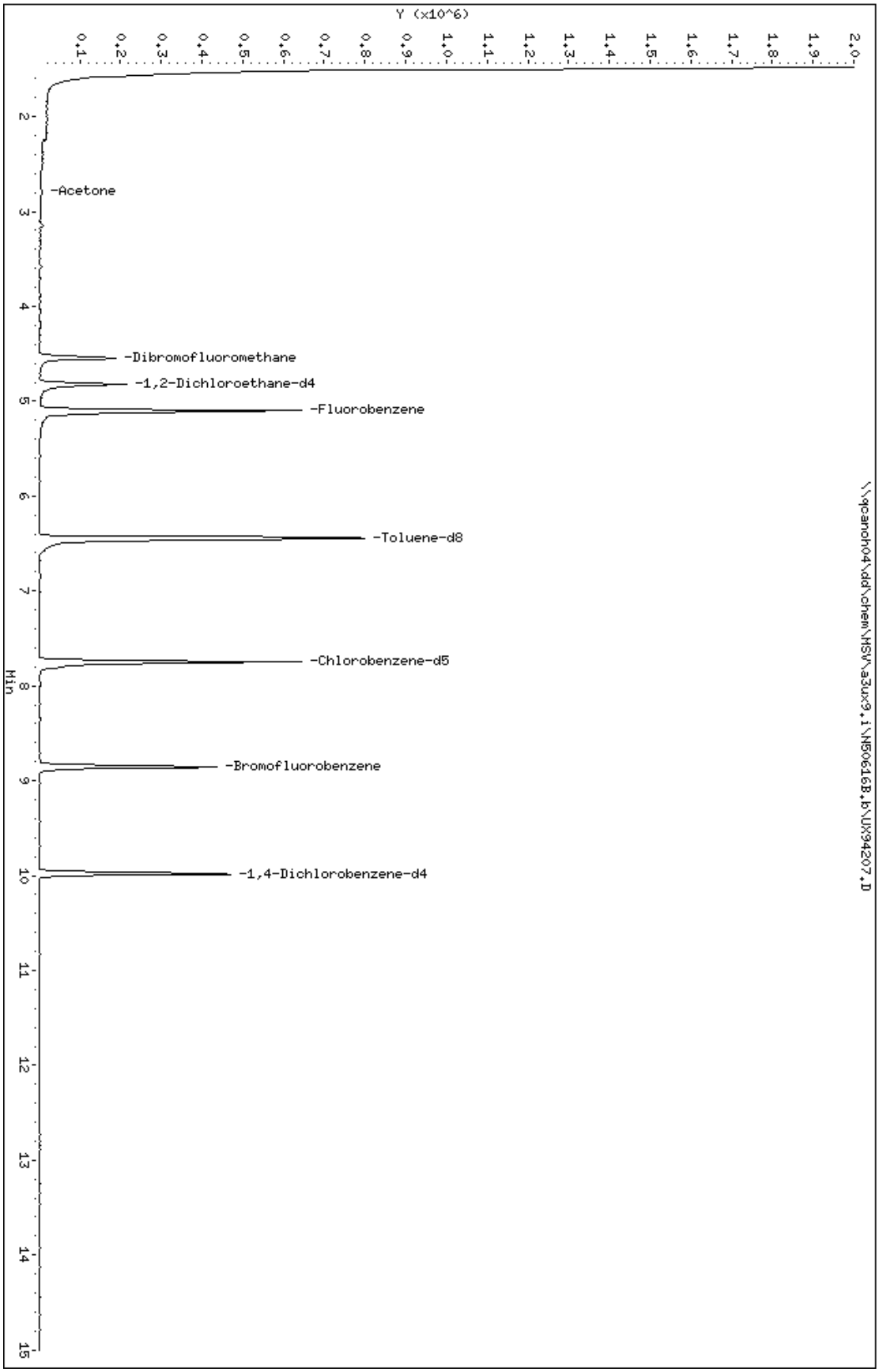
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94207.D
Report Date: 17-Jun-2005 07:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94207.D
Date : 17-JUN-2005 00:22
Client ID: GW-060305-AJ-045
Sample Info: HCX411AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18



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Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94207.D

Date : 17-JUN-2005 00:22

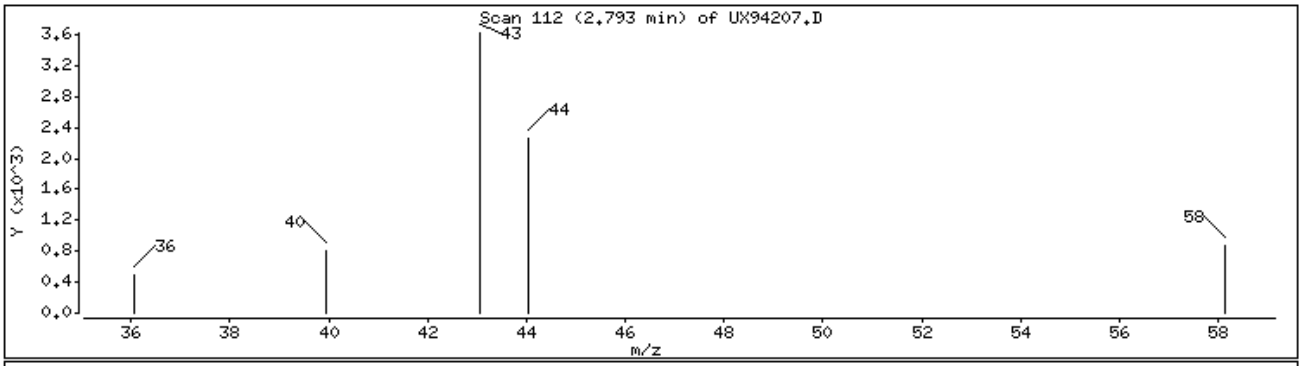
Client ID: GW-060305-AJ-045 Instrument: a3ux9.i

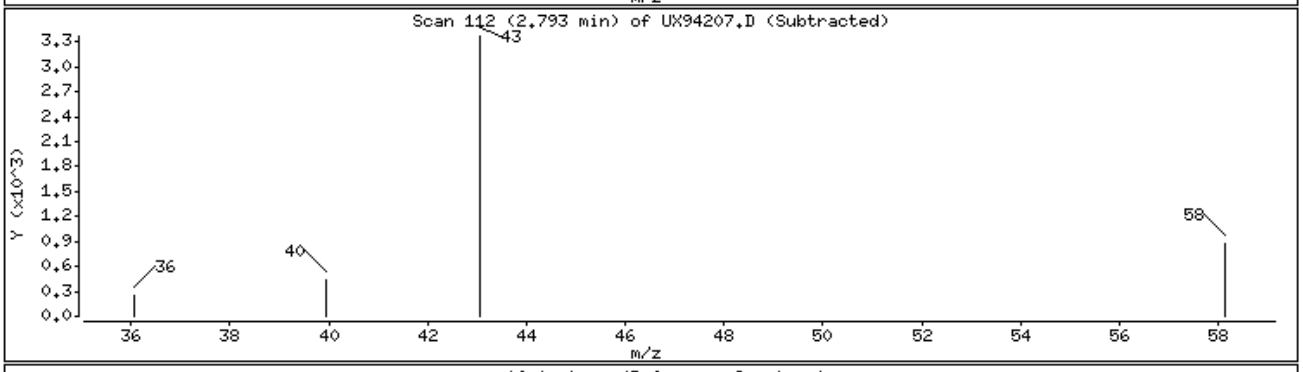
Sample Info: HCX411AA,5ML/5ML

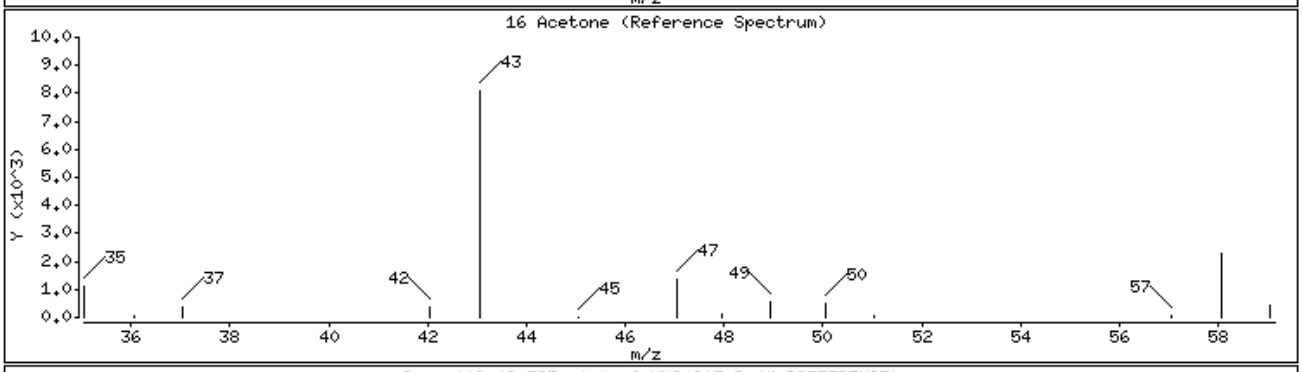
Purge Volume: 5.0 Operator: 1819

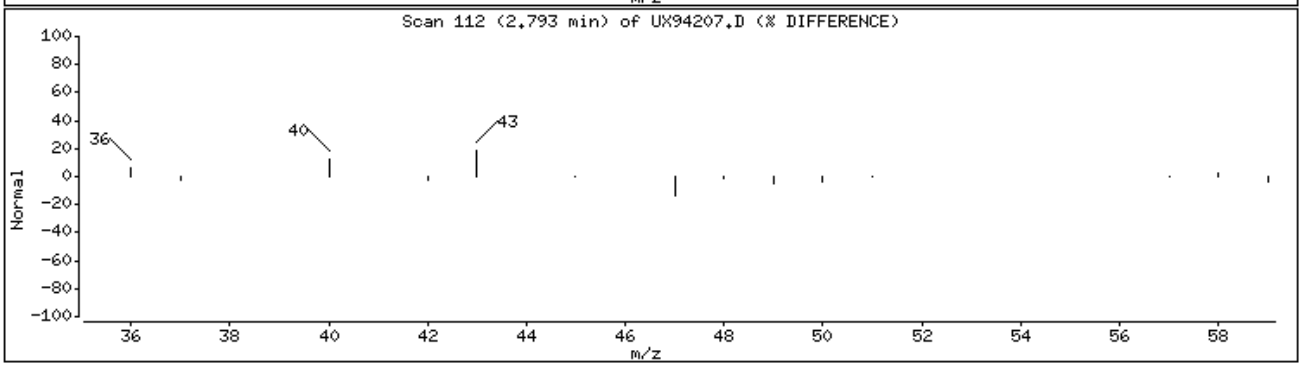
Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 1.276 ug/L









Conestoga-Rovers & Associates, Inc.

Client Sample ID: W-060305-AJ-050

GC/MS Volatiles

Lot-Sample #...: A5F040126-007 **Work Order #...:** HCX481AA **Matrix.....:** WG
Date Sampled...: 06/03/05 15:05 **Date Received..:** 06/04/05
Prep Date.....: 06/17/05 **Analysis Date..:** 06/17/05
Prep Batch #...: 5168046
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**1.4 J,B**	**10**	**ug/L**
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	**0.79 J**	**1.0**	**ug/L**
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: W-060305-AJ-050

GC/MS Volatiles

Lot-Sample #...: A5F040126-007 **Work Order #...:** HCX481AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(73 - 122)
1,2-Dichloroethane-d4	99	(61 - 128)
Toluene-d8	105	(76 - 110)
4-Bromofluorobenzene	80	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94208.D
Report Date: 17-Jun-2005 07:20

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94208.D
Lab Smp Id: HCX481AA Client Smp ID: W-060305-AJ-050
Inj Date : 17-JUN-2005 00:44
Operator : 1819 Inst ID: a3ux9.i
Smp Info : HCX481AA,5ML/5ML
Misc Info : N50616B,8260MIUX9,2-8260.SUB,1819
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50616B.b\8260MIUX9.m
Meth Date : 16-Jun-2005 18:20 Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	689496	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	459931	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	157340	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	149811	53.6928	10.738
$ 5 1,2-Dichloroethane-d4	65	4.825	4.825	(0.947)	188923	49.3488	9.870
$ 6 Toluene-d8	98	6.446	6.446	(0.832)	689020	52.5654	10.513
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	189835	40.1038	8.021
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.790	2.790	(0.547)	16356	6.97561	1.395
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	3.145	3.145	(0.617)	29617	3.96214	0.7924

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94208.D
Report Date: 17-Jun-2005 07:20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

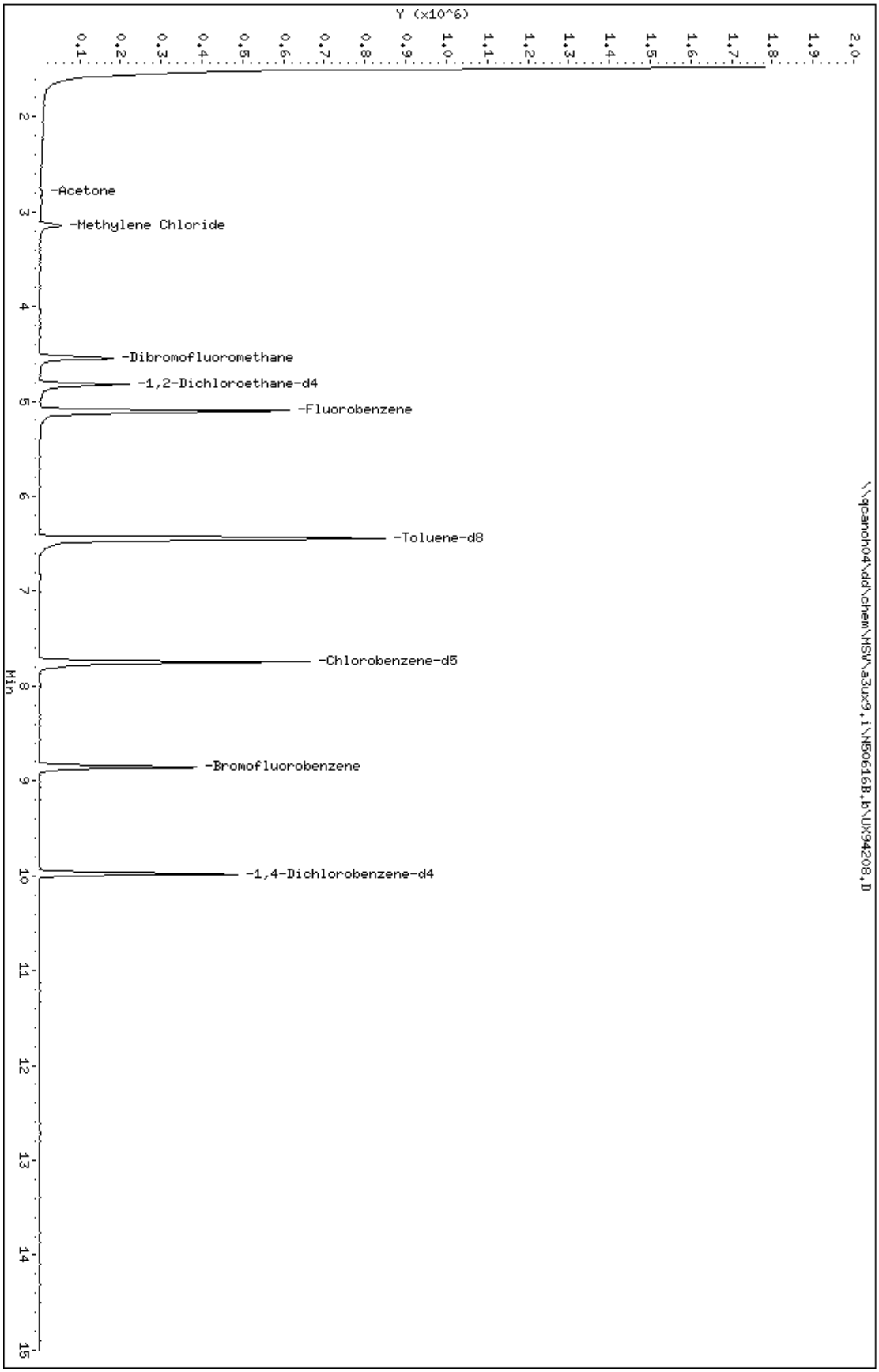
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94208.D
Report Date: 17-Jun-2005 07:20

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94208.D
Date : 17-JUN-2005 00:44
Client ID: W-060305-AJ-050
Sample Info: HCX481AA,5ML/5ML
Purge Volume: 5.0
Column Phase: DB624

Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94208.D

Date : 17-JUN-2005 00:44

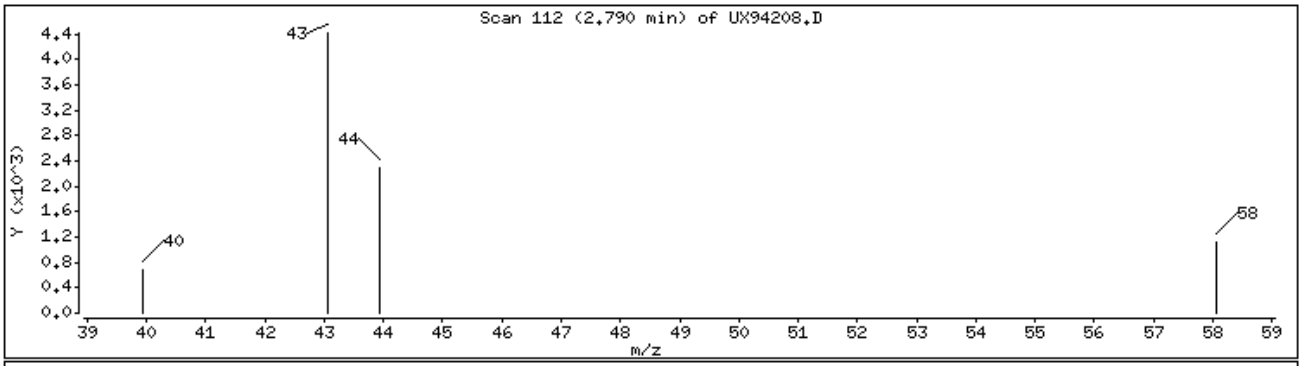
Client ID: W-060305-AJ-050 Instrument: a3ux9.i

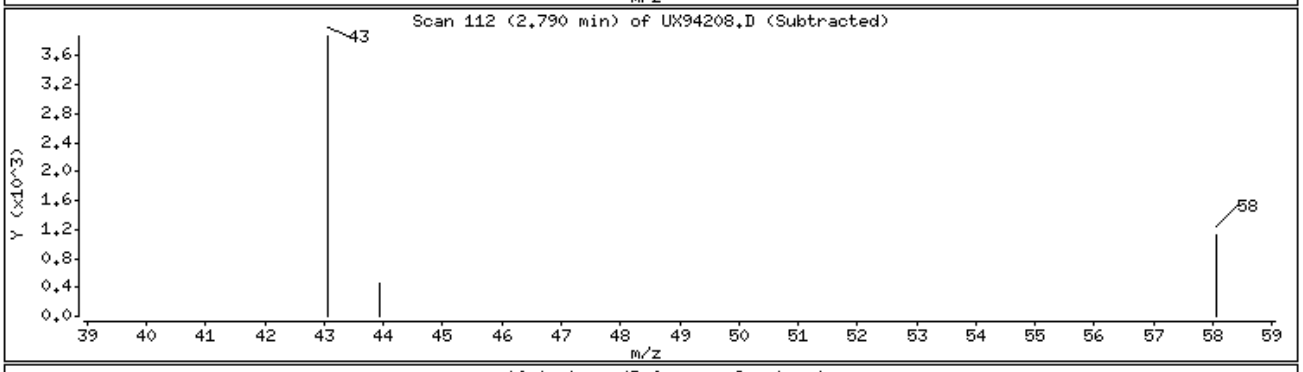
Sample Info: HCX481AA,5ML/5ML

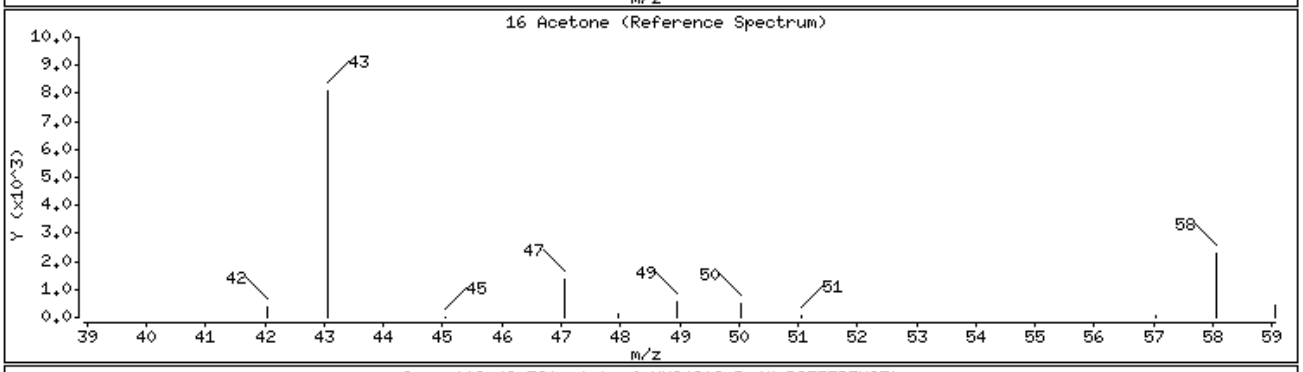
Purge Volume: 5.0 Operator: 1819

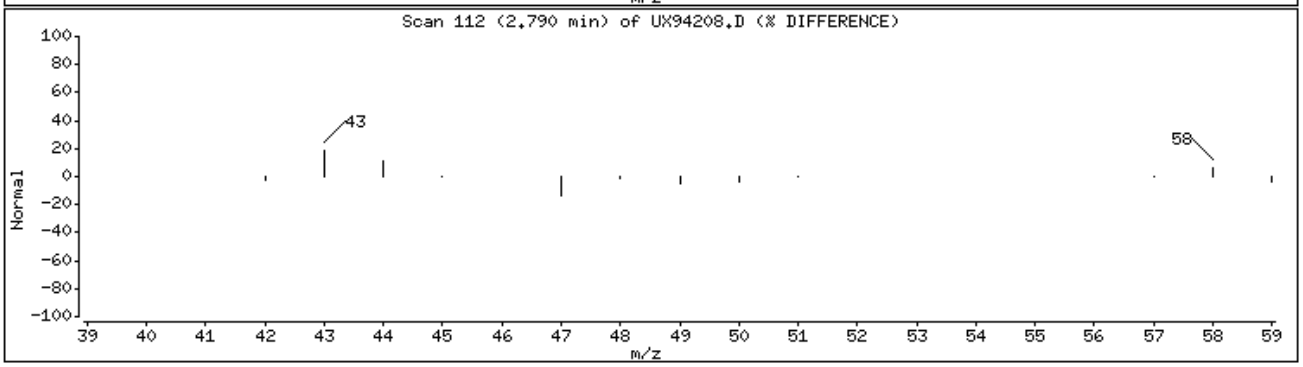
Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 1.395 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94208.D

Date : 17-JUN-2005 00:44

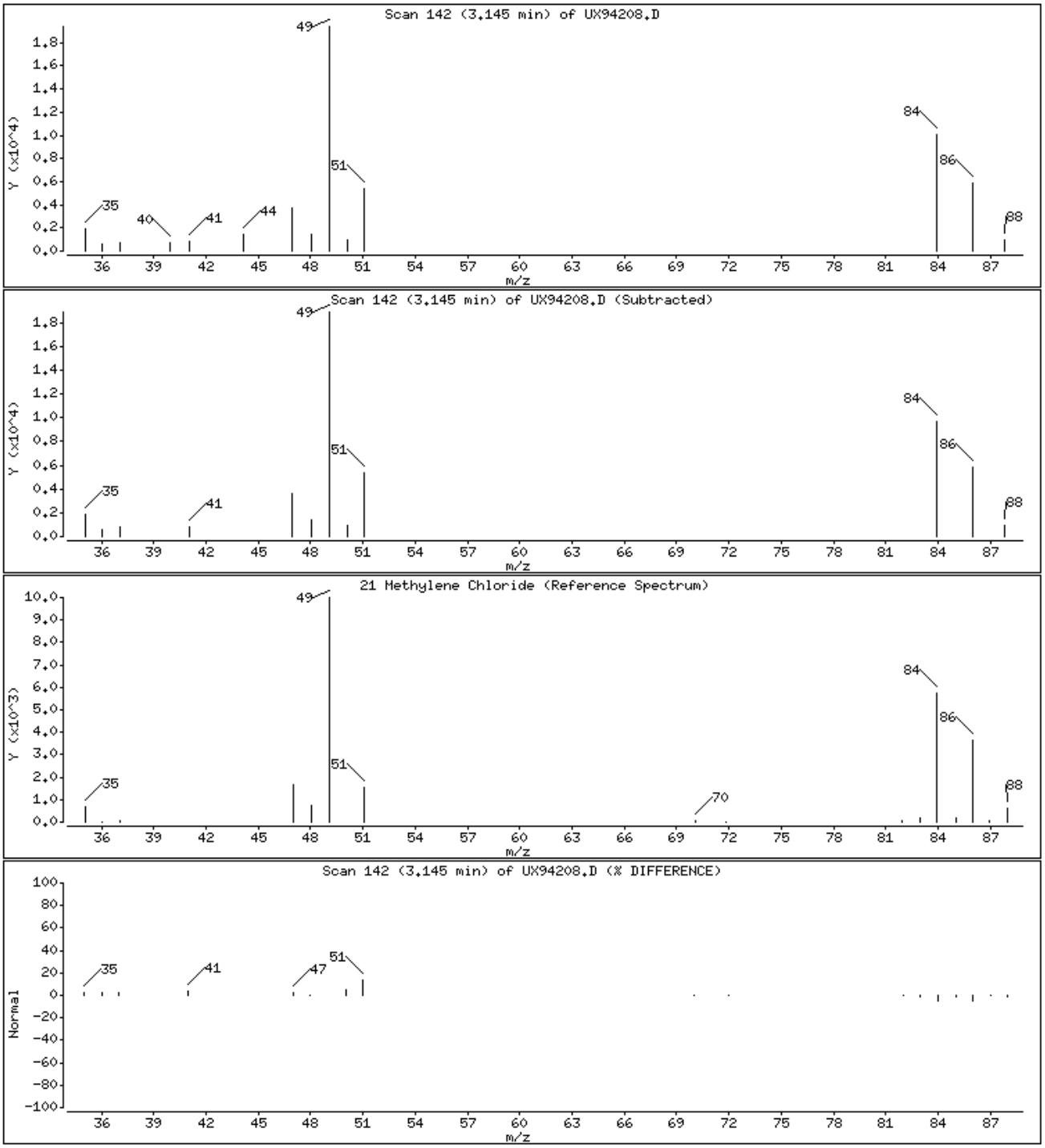
Client ID: W-060305-AJ-050 Instrument: a3ux9.i

Sample Info: HCX481AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

21 Methylene Chloride Concentration: 0.7924 ug/L



Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-060305-AJ-046

GC/MS Volatiles

Lot-Sample #...: A5F040126-008 **Work Order #...:** HCX5C1AA **Matrix.....:** SO
Date Sampled...: 06/03/05 15:45 **Date Received..:** 06/04/05
Prep Date.....: 06/09/05 **Analysis Date..:** 06/09/05
Prep Batch #...: 5161402
Dilution Factor: 1.21 **Initial Wgt/Vol:** 5 g **Final Wgt/Vol..:** 5 mL
% Moisture.....: 7.2 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	26	ug/kg
Benzene	ND	6.5	ug/kg
Bromodichloromethane	ND	6.5	ug/kg
Bromoform	ND	6.5	ug/kg
Bromomethane	ND	6.5	ug/kg
2-Butanone	ND	26	ug/kg
Carbon disulfide	ND	6.5	ug/kg
Carbon tetrachloride	ND	6.5	ug/kg
Chlorobenzene	ND	6.5	ug/kg
Chloroethane	ND	6.5	ug/kg
Chloroform	ND	6.5	ug/kg
Chloromethane	ND	6.5	ug/kg
Cyclohexane	ND	13	ug/kg
Dibromochloromethane	ND	6.5	ug/kg
1,2-Dibromo-3-chloro-propane	ND	13	ug/kg
1,2-Dibromoethane	ND	6.5	ug/kg
1,2-Dichlorobenzene	ND	6.5	ug/kg
1,3-Dichlorobenzene	ND	6.5	ug/kg
1,4-Dichlorobenzene	ND	6.5	ug/kg
Dichlorodifluoromethane	ND	6.5	ug/kg
1,1-Dichloroethane	ND	6.5	ug/kg
1,2-Dichloroethane	ND	6.5	ug/kg
1,1-Dichloroethene	ND	6.5	ug/kg
cis-1,2-Dichloroethene	ND	6.5	ug/kg
trans-1,2-Dichloroethene	ND	6.5	ug/kg
1,2-Dichloropropane	ND	6.5	ug/kg
cis-1,3-Dichloropropene	ND	6.5	ug/kg
trans-1,3-Dichloropropene	ND	6.5	ug/kg
Ethylbenzene	ND	6.5	ug/kg
2-Hexanone	ND	26	ug/kg
Isopropylbenzene	ND	6.5	ug/kg
Methyl acetate	ND	13	ug/kg
Methylene chloride	**6.8**	**6.5**	**ug/kg**
Methylcyclohexane	ND	13	ug/kg
4-Methyl-2-pentanone	ND	26	ug/kg
Methyl tert-butyl ether	ND	26	ug/kg
Styrene	ND	6.5	ug/kg

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-060305-AJ-046

GC/MS Volatiles

Lot-Sample #...: A5F040126-008 **Work Order #...:** HCX5C1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	6.5	ug/kg
Tetrachloroethene	ND	6.5	ug/kg
Toluene	ND	6.5	ug/kg
1,2,4-Trichloro-benzene	ND	6.5	ug/kg
1,1,1-Trichloroethane	ND	6.5	ug/kg
1,1,2-Trichloroethane	ND	6.5	ug/kg
Trichloroethene	ND	6.5	ug/kg
Trichlorofluoromethane	ND	6.5	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	6.5	ug/kg
Vinyl chloride	ND	6.5	ug/kg
Xylenes (total)	ND	13	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(59 - 138)
1,2-Dichloroethane-d4	88	(61 - 130)
Toluene-d8	97	(60 - 143)
4-Bromofluorobenzene	88	(47 - 158)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141859.D
Report Date: 10-Jun-2005 08:43

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141859.D
Lab Smp Id: HCX5C1AA Client Smp ID: S-060305-AJ-046
Inj Date : 09-JUN-2005 18:52
Operator : 402279 Inst ID: a3ux14.i
Smp Info : HCX5C1AA,4.14G/5ML
Misc Info : R50609A,8260SUX14,,402279
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux14.i\R50609A.b\8260SUX14.m
Meth Date : 09-Jun-2005 14:35 latat Quant Type: ISTD
Cal Date : 23-MAY-2005 13:36 Cal File: 141308.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: QCANOH04

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	4.140	Sample Volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Fluorobenzene	96	4.685	4.686	(1.000)	1877029	250.000	
* 2 Chlorobenzene-d5	117	7.161	7.161	(1.000)	924683	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.333	9.333	(1.000)	251110	250.000	
$ 4 Dibromofluoromethane	113	4.180	4.180	(0.892)	377863	245.750	59.360
$ 5 1,2-Dichloroethane-d4	65	4.430	4.430	(0.945)	400217	220.821	53.338
$ 6 Toluene-d8	98	5.926	5.926	(0.828)	1552105	241.901	58.430
$ 7 Bromofluorobenzene	95	8.232	8.232	(1.149)	303337	218.813	52.853
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	2.909	2.909	(0.621)	81265	26.2334	6.336

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141859.D
Report Date: 10-Jun-2005 08:43

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

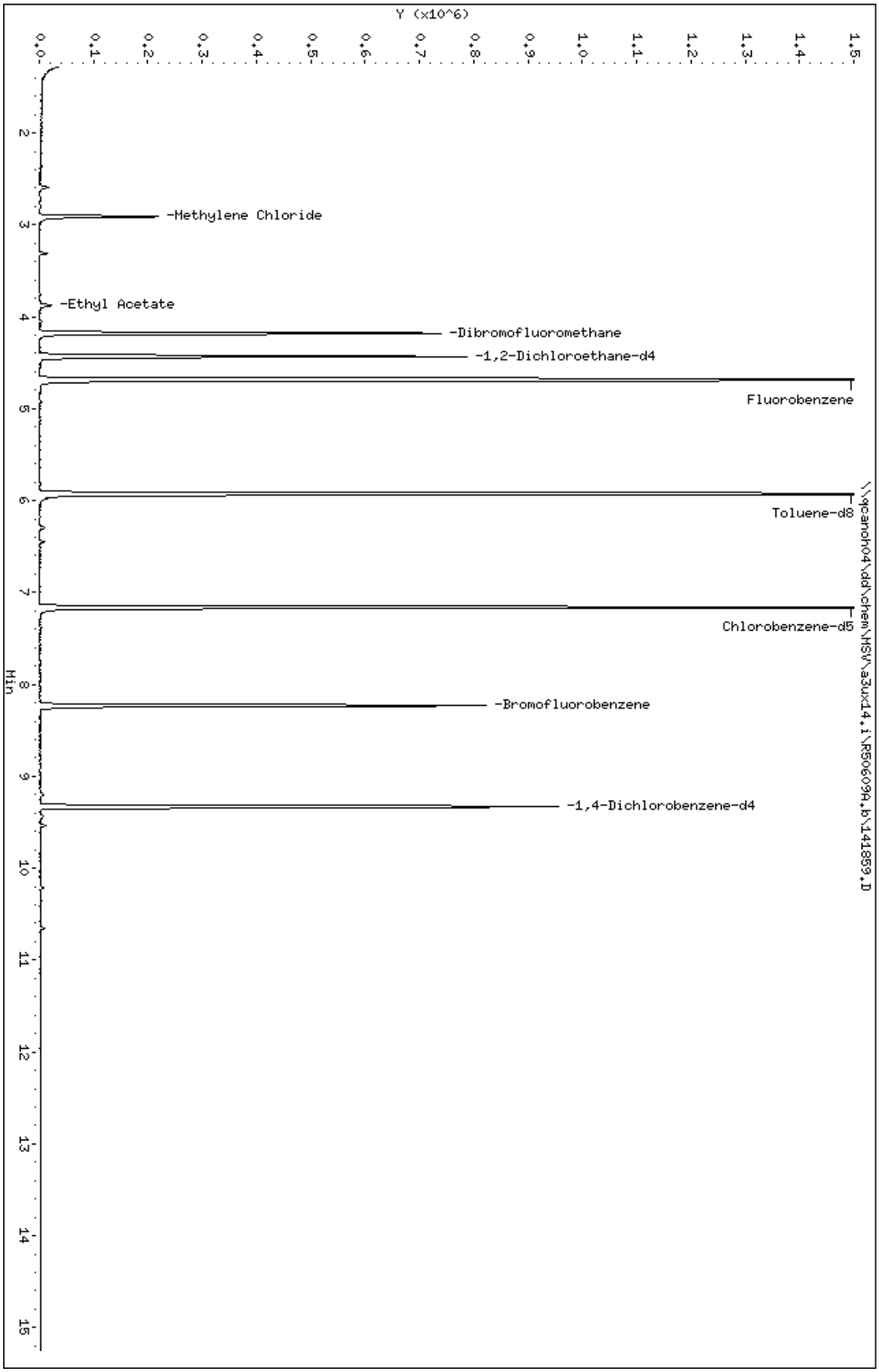
76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141859.D
Report Date: 10-Jun-2005 08:43

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	3.876	3.876	(0.827)	23643	12.1358	2.931
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141859.D
Date : 09-JUN-2005 18:52
Client ID: S-060305-AJ-046
Sample Info: HCX5C1AA,4.14G/5ML
Purge Volume: 4.1
Column Phase: DB624

Instrument: a3ux14.i
Operator: 402279
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141859.D

Date : 09-JUN-2005 18:52

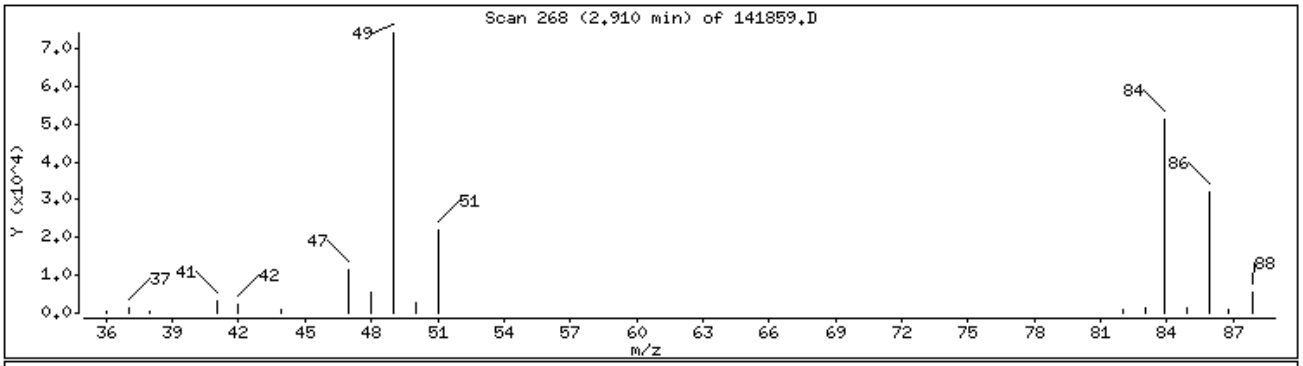
Client ID: S-060305-AJ-046 Instrument: a3ux14.i

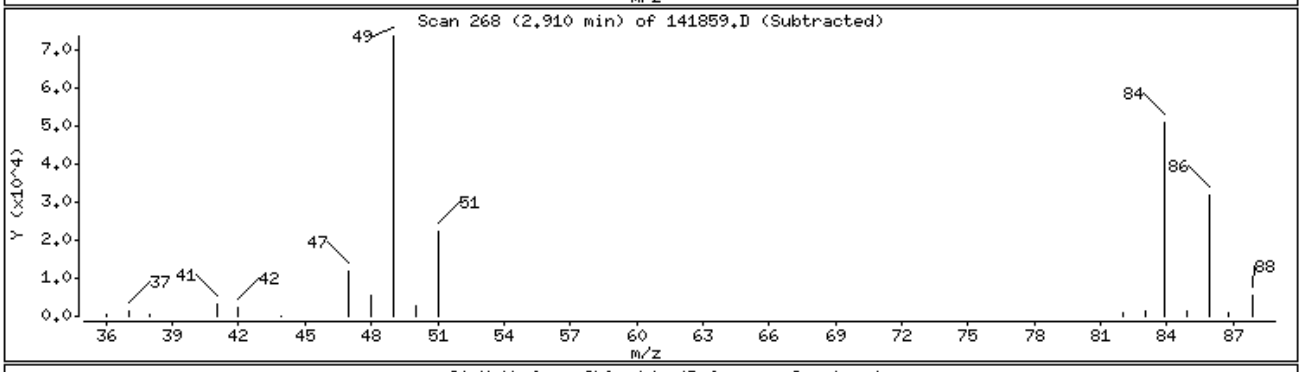
Sample Info: HCX5C1AA,4.14G/5ML

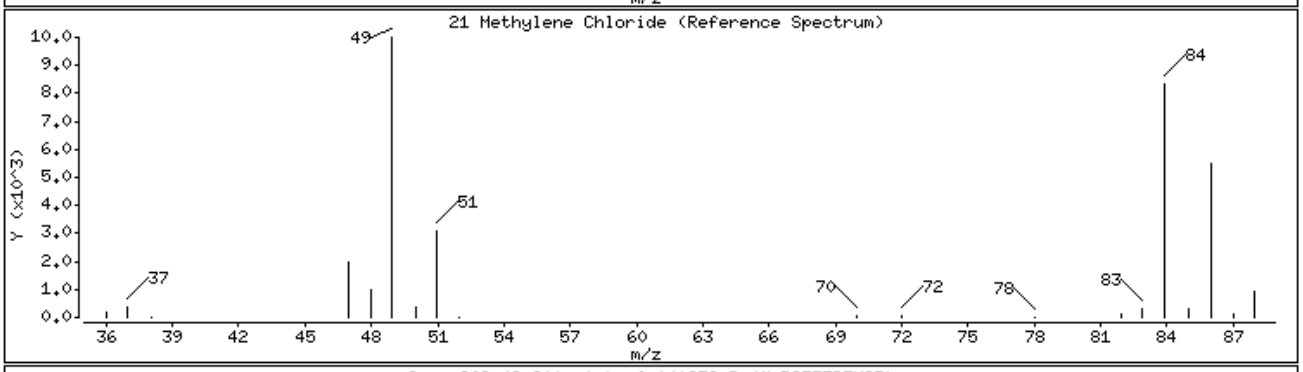
Purge Volume: 4.1 Operator: 402279

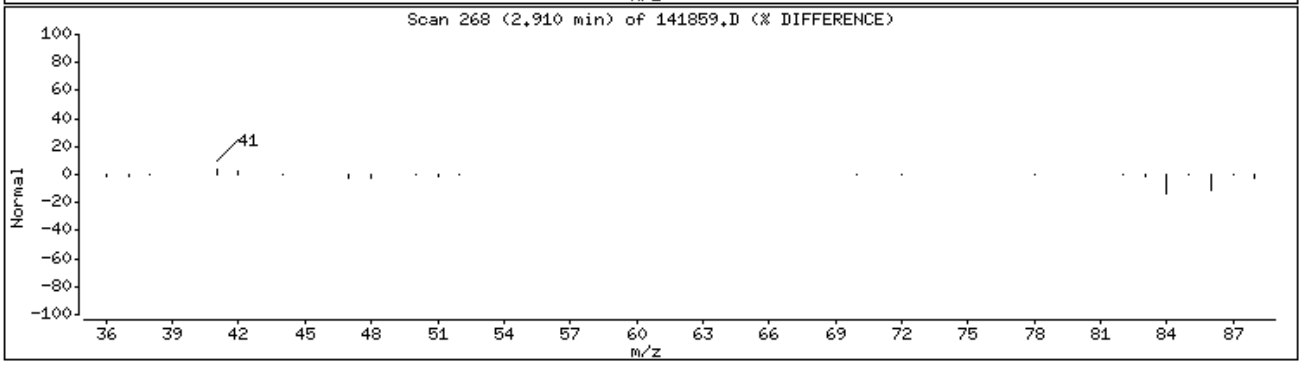
Column phase: DB624 Column diameter: 0.18

21 Methylene Chloride Concentration: 6.336 UG/KG









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Date : 09-JUN-2005 18:52

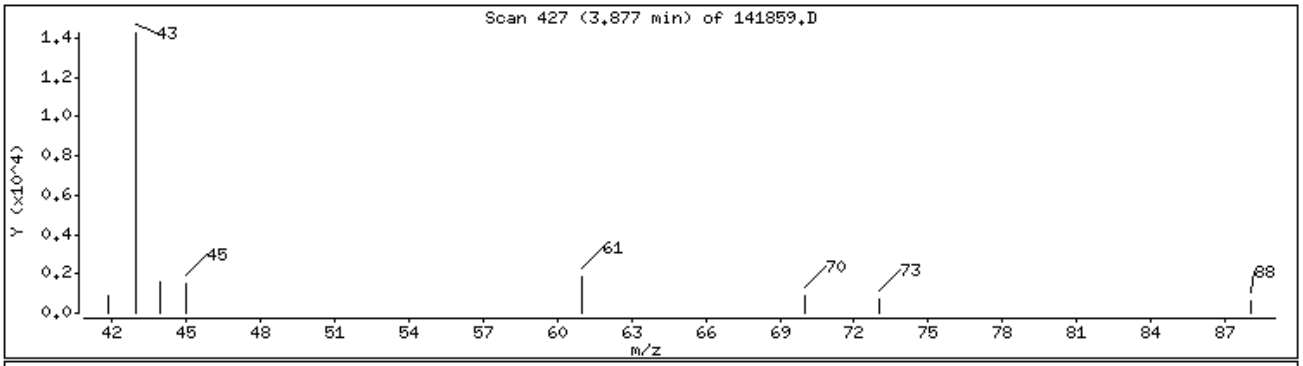
Client ID: S-060305-AJ-046 Instrument: a3ux14.i

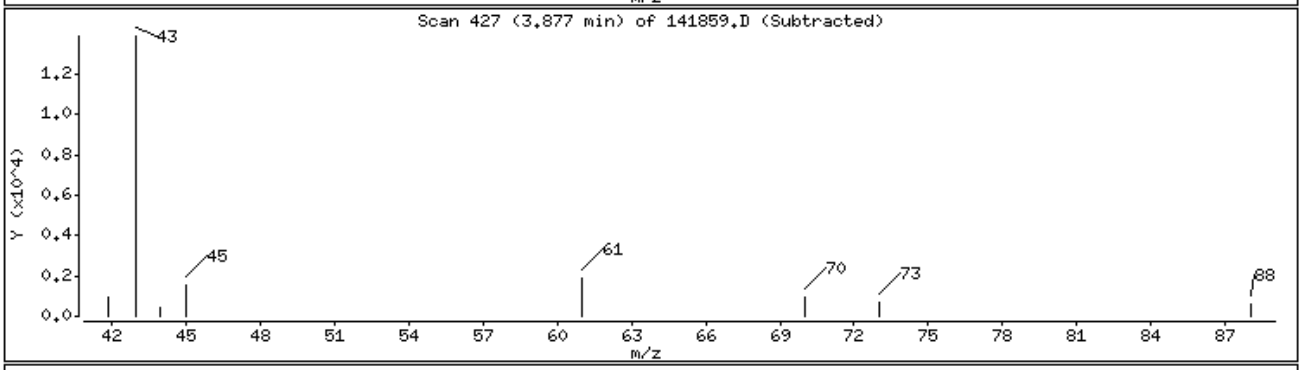
Sample Info: HCX5C1AA,4.14G/5ML

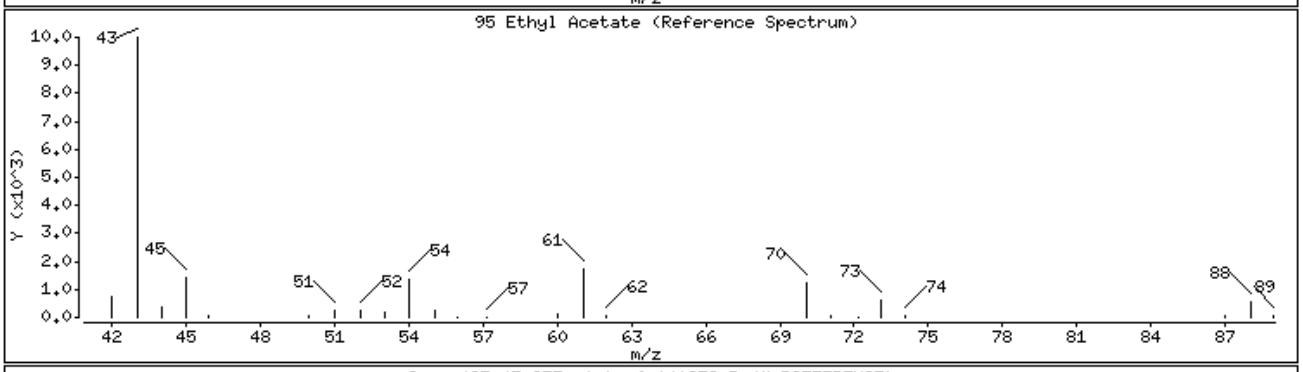
Purge Volume: 4.1 Operator: 402279

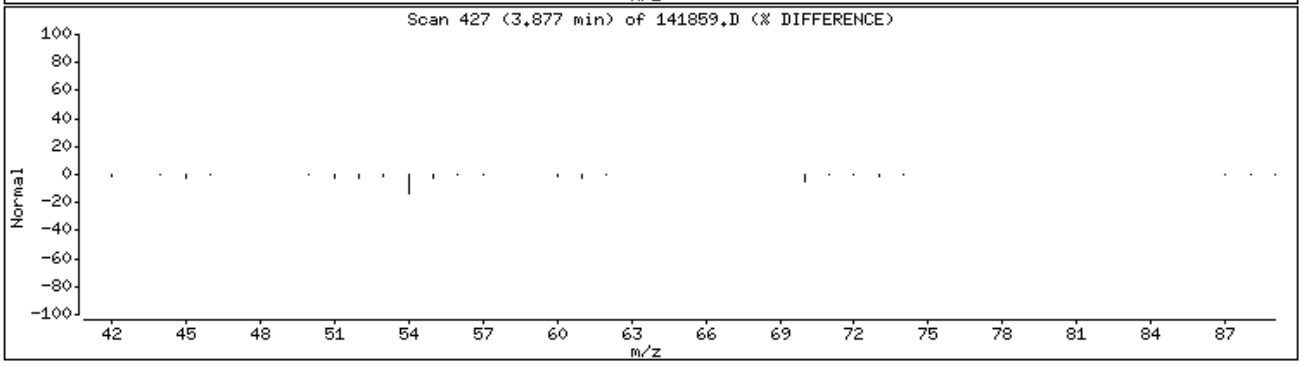
Column phase: DB624 Column diameter: 0.18

95 Ethyl Acetate Concentration: 2.931 UG/KG









Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-060305-AJ-047

GC/MS Volatiles

Lot-Sample #...: A5F040126-009 **Work Order #...:** HCX5J1AA **Matrix.....:** SO
Date Sampled...: 06/03/05 15:48 **Date Received..:** 06/04/05
Prep Date.....: 06/09/05 **Analysis Date..:** 06/09/05
Prep Batch #...: 5161402
Dilution Factor: 1.06 **Initial Wgt/Vol:** 5 g **Final Wgt/Vol..:** 5 mL
% Moisture.....: 2.9 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	22	ug/kg
Benzene	ND	5.5	ug/kg
Bromodichloromethane	ND	5.5	ug/kg
Bromoform	ND	5.5	ug/kg
Bromomethane	ND	5.5	ug/kg
2-Butanone	ND	22	ug/kg
Carbon disulfide	ND	5.5	ug/kg
Carbon tetrachloride	ND	5.5	ug/kg
Chlorobenzene	ND	5.5	ug/kg
Chloroethane	ND	5.5	ug/kg
Chloroform	ND	5.5	ug/kg
Chloromethane	ND	5.5	ug/kg
Cyclohexane	ND	11	ug/kg
Dibromochloromethane	ND	5.5	ug/kg
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg
1,2-Dibromoethane	ND	5.5	ug/kg
1,2-Dichlorobenzene	ND	5.5	ug/kg
1,3-Dichlorobenzene	ND	5.5	ug/kg
1,4-Dichlorobenzene	ND	5.5	ug/kg
Dichlorodifluoromethane	ND	5.5	ug/kg
1,1-Dichloroethane	ND	5.5	ug/kg
1,2-Dichloroethane	ND	5.5	ug/kg
1,1-Dichloroethene	ND	5.5	ug/kg
cis-1,2-Dichloroethene	ND	5.5	ug/kg
trans-1,2-Dichloroethene	ND	5.5	ug/kg
1,2-Dichloropropane	ND	5.5	ug/kg
cis-1,3-Dichloropropene	ND	5.5	ug/kg
trans-1,3-Dichloropropene	ND	5.5	ug/kg
Ethylbenzene	ND	5.5	ug/kg
2-Hexanone	ND	22	ug/kg
Isopropylbenzene	ND	5.5	ug/kg
Methyl acetate	ND	11	ug/kg
Methylene chloride	**5.3 J**	**5.5**	**ug/kg**
Methylcyclohexane	ND	11	ug/kg
4-Methyl-2-pentanone	ND	22	ug/kg
Methyl tert-butyl ether	ND	22	ug/kg
Styrene	ND	5.5	ug/kg

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-060305-AJ-047

GC/MS Volatiles

Lot-Sample #...: A5F040126-009 **Work Order #...:** HCX5J1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	5.5	ug/kg
Tetrachloroethene	ND	5.5	ug/kg
Toluene	ND	5.5	ug/kg
1,2,4-Trichloro-benzene	**0.57 J,B**	**5.5**	**ug/kg**
1,1,1-Trichloroethane	ND	5.5	ug/kg
1,1,2-Trichloroethane	ND	5.5	ug/kg
Trichloroethene	ND	5.5	ug/kg
Trichlorofluoromethane	ND	5.5	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.5	ug/kg
Vinyl chloride	ND	5.5	ug/kg
Xylenes (total)	ND	11	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(59 - 138)
1,2-Dichloroethane-d4	87	(61 - 130)
Toluene-d8	97	(60 - 143)
4-Bromofluorobenzene	90	(47 - 158)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141862.D
Report Date: 10-Jun-2005 08:46

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141862.D
Lab Smp Id: HCX5J1AA Client Smp ID: S-060305-AJ-047
Inj Date : 09-JUN-2005 20:03
Operator : 402279 Inst ID: a3ux14.i
Smp Info : HCX5J1AA,4.70G/5ML
Misc Info : R50609A,8260SUX14,,402279
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux14.i\R50609A.b\8260SUX14.m
Meth Date : 09-Jun-2005 14:35 latat Quant Type: ISTD
Cal Date : 23-MAY-2005 13:36 Cal File: 141308.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: QCANOH04

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	4.700	Sample Volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Fluorobenzene	96	4.685	4.686	(1.000)	1856599	250.000	
* 2 Chlorobenzene-d5	117	7.161	7.161	(1.000)	913155	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.333	9.333	(1.000)	249282	250.000	
$ 4 Dibromofluoromethane	113	4.180	4.180	(0.892)	378035	248.567	52.886
$ 5 1,2-Dichloroethane-d4	65	4.430	4.430	(0.945)	388176	216.534	46.071
$ 6 Toluene-d8	98	5.926	5.926	(0.828)	1543590	243.611	51.832
$ 7 Bromofluorobenzene	95	8.232	8.232	(1.150)	307461	224.588	47.785
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	2.915	2.909	(0.622)	75928	24.0034	5.107

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

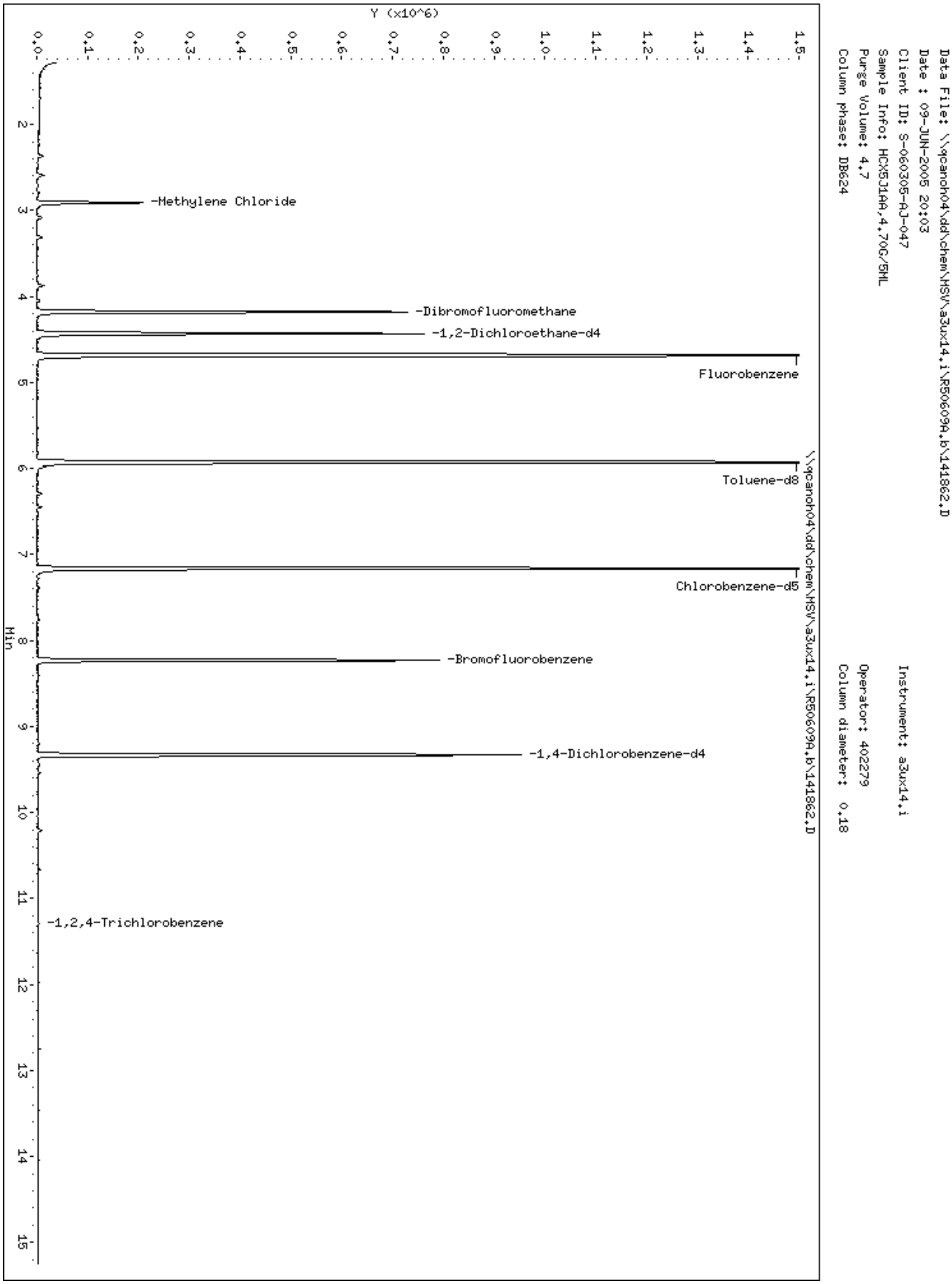
Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141862.D
Report Date: 10-Jun-2005 08:46

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141862.D
Report Date: 10-Jun-2005 08:46

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.292	11.292	(1.210)	1754	2.60630	0.5545
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					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Date : 09-JUN-2005 20:03
Client ID: S-060305-AJ-047
Sample Info: HCX5J1AA,4.70G/5ML
Purge Volume: 4.7
Column Phase: DB624
Instrument: a3ux14.i
Operator: 402279
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
-Methylene Chloride
-Dibromofluoromethane
-1,2-Dichloroethane-d4
Fluorobenzene
Toluene-d8
Chlorobenzene-d5
-Bromofluorobenzene
-1,4-Dichlorobenzene-d4
-1,2,4-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141862.D
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141862.D

Date : 09-JUN-2005 20:03

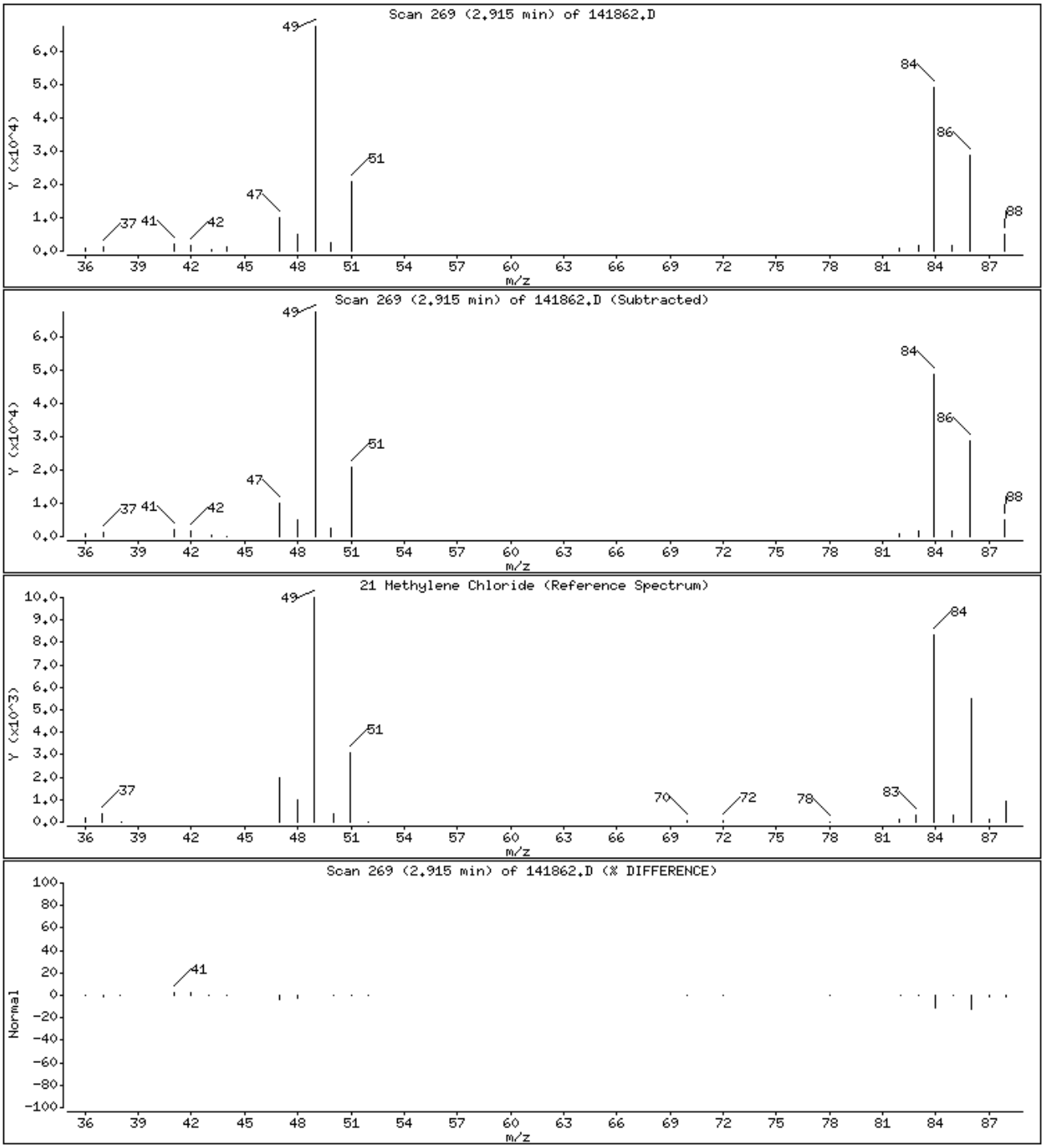
Client ID: S-060305-AJ-047 Instrument: a3ux14.i

Sample Info: HCX5J1AA,4.70G/5ML

Purge Volume: 4.7 Operator: 402279

Column phase: DB624 Column diameter: 0.18

21 Methylene Chloride Concentration: 5.107 UG/KG



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Date : 09-JUN-2005 20:03

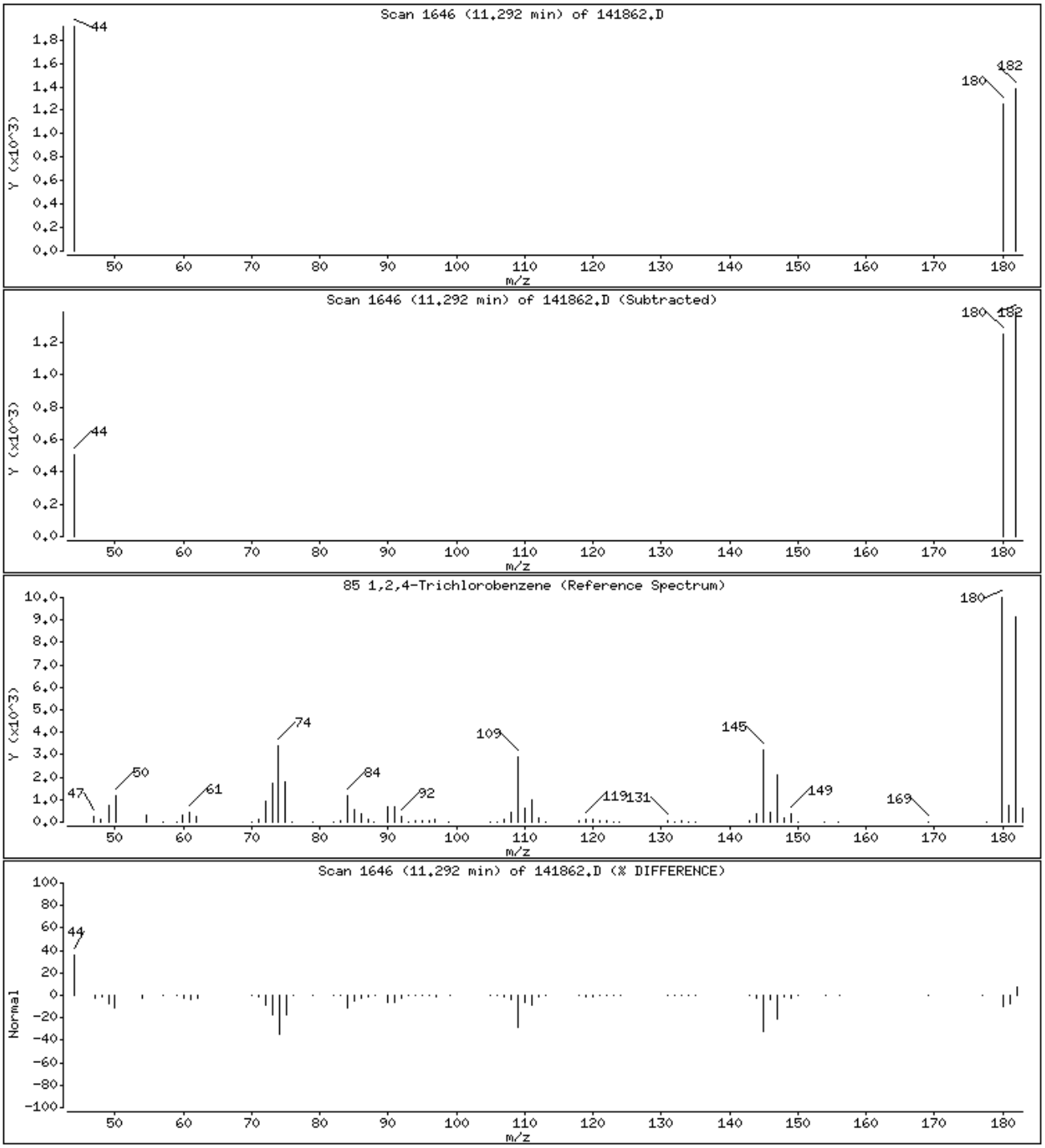
Client ID: S-060305-AJ-047 Instrument: a3ux14.i

Sample Info: HCX5J1AA,4.70G/5ML

Purge Volume: 4.7 Operator: 402279

Column phase: DB624 Column diameter: 0.18

85 1,2,4-Trichlorobenzene Concentration: 0.5545 UG/KG



Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-060305-AJ-048

GC/MS Volatiles

Lot-Sample #...: A5F040126-010 **Work Order #...:** HCX5K1AA **Matrix.....:** WG
Date Sampled...: 06/03/05 16:48 **Date Received..:** 06/04/05
Prep Date.....: 06/17/05 **Analysis Date..:** 06/17/05
Prep Batch #...: 5168046
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-060305-AJ-048

GC/MS Volatiles

Lot-Sample #...: A5F040126-010 **Work Order #...:** HCX5K1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**0.32 J**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	**0.36 J**	**1.0**	**ug/L**
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**0.30 J**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
Toluene-d8	105	(76 - 110)
4-Bromofluorobenzene	80	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94209.D
Report Date: 17-Jun-2005 07:21

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94209.D
Lab Smp Id: HCX5K1AA Client Smp ID: GW-060305-AJ-048
Inj Date : 17-JUN-2005 01:06
Operator : 1819 Inst ID: a3ux9.i
Smp Info : HCX5K1AA,5ML/5ML
Misc Info : N50616B,8260MIUX9,2-8260.SUB,1819
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50616B.b\8260MIUX9.m
Meth Date : 16-Jun-2005 18:20 Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.098	5.097	(1.000)	688195	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	463642	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.985	9.984	(1.000)	160158	50.0000	
$ 4 Dibromofluoromethane	113	4.542	4.541	(0.891)	151986	54.5754	10.915
$ 5 1,2-Dichloroethane-d4	65	4.826	4.825	(0.947)	190168	49.7679	9.954
$ 6 Toluene-d8	98	6.447	6.446	(0.832)	693501	52.4838	10.497
$ 7 Bromofluorobenzene	95	8.849	8.848	(1.142)	190255	39.8708	7.974
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94209.D
Report Date: 17-Jun-2005 07:21

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.577	4.576	(0.898)	8155	1.78670	0.3573
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	5.405	5.405	(1.060)	5670	1.52396	0.3048
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.003	7.002	(0.904)	4549	1.58890	0.3178
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

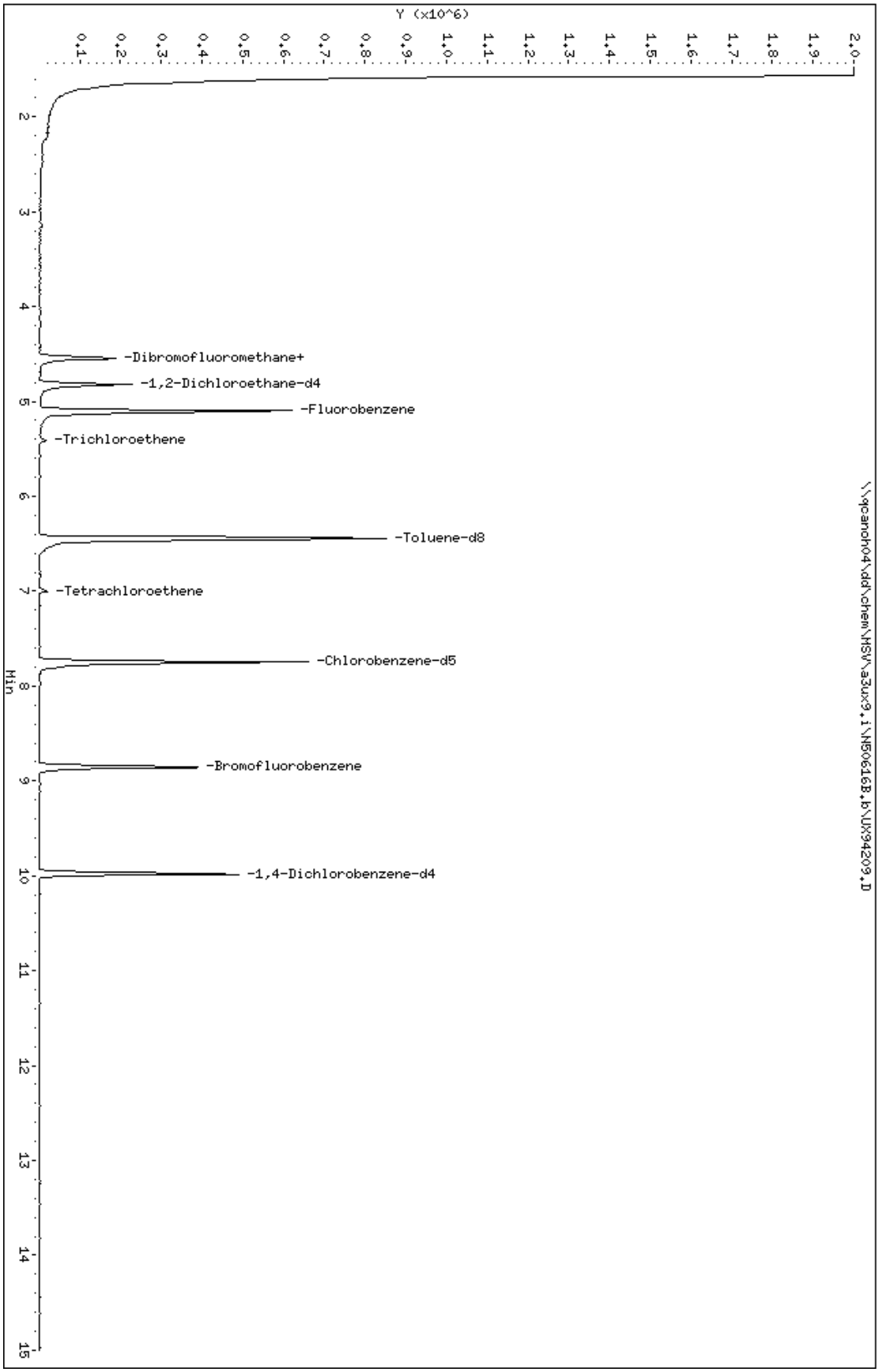
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94209.D
Report Date: 17-Jun-2005 07:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94209.D
Date : 17-JUN-2005 01:06
Client ID: GW-060305-AJ-048
Sample Info: HCX5K1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94209.D

Date : 17-JUN-2005 01:06

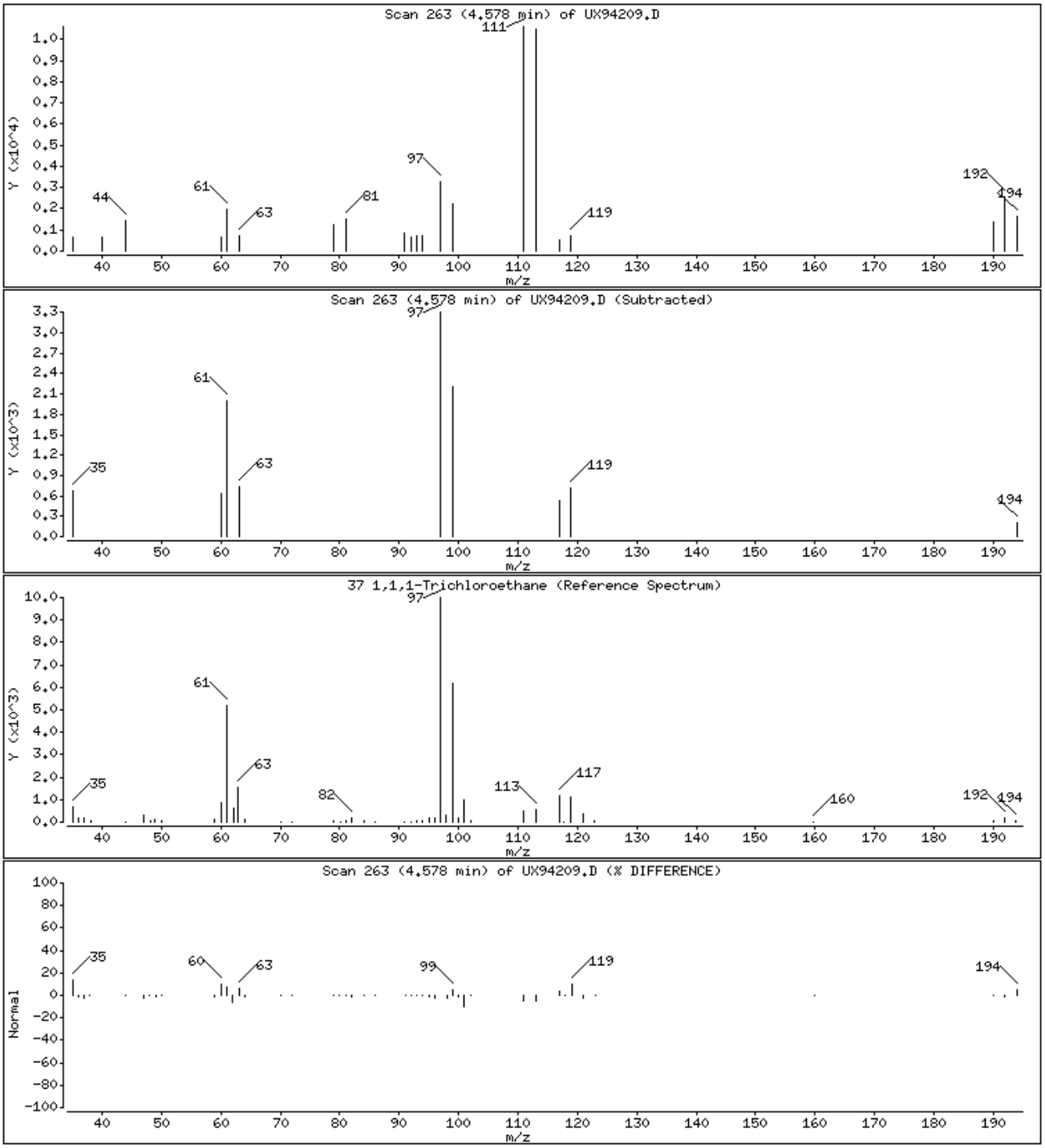
Client ID: GW-060305-AJ-048 Instrument: a3ux9.i

Sample Info: HCX5K1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

37 1,1,1-Trichloroethane Concentration: 0.3573 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94209.D

Date : 17-JUN-2005 01:06

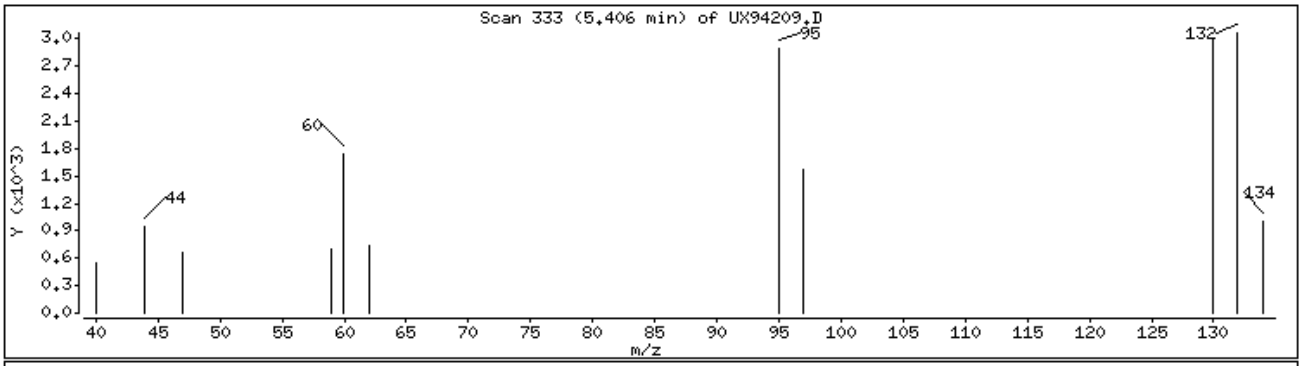
Client ID: GW-060305-AJ-048 Instrument: a3ux9.i

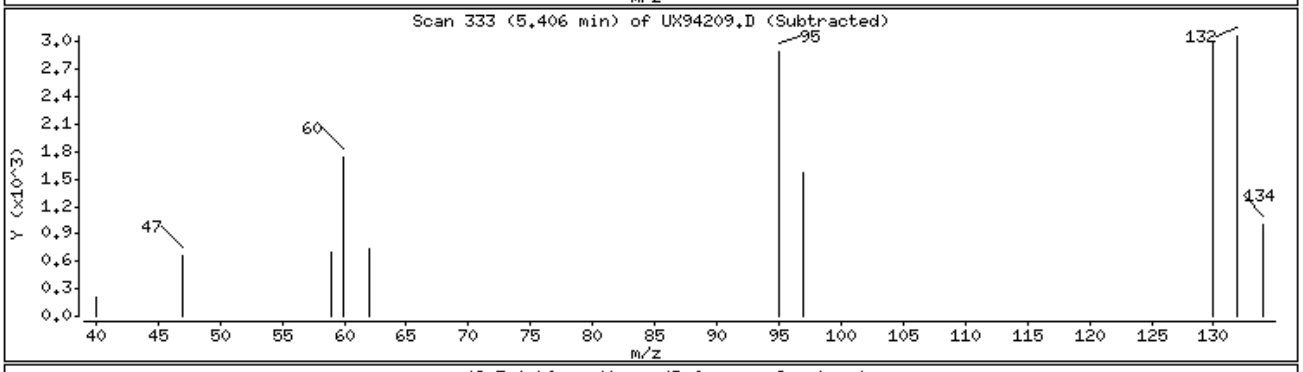
Sample Info: HCX5K1AA,5ML/5ML

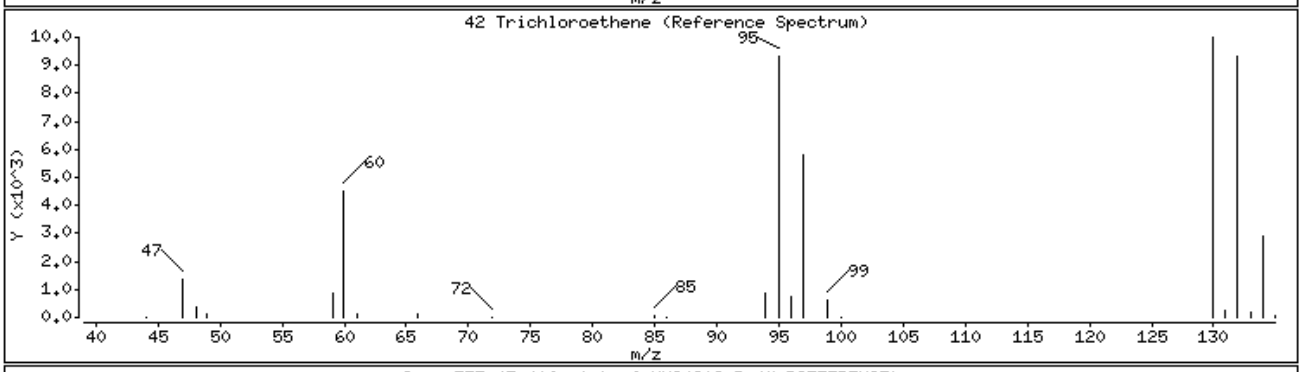
Purge Volume: 5.0 Operator: 1819

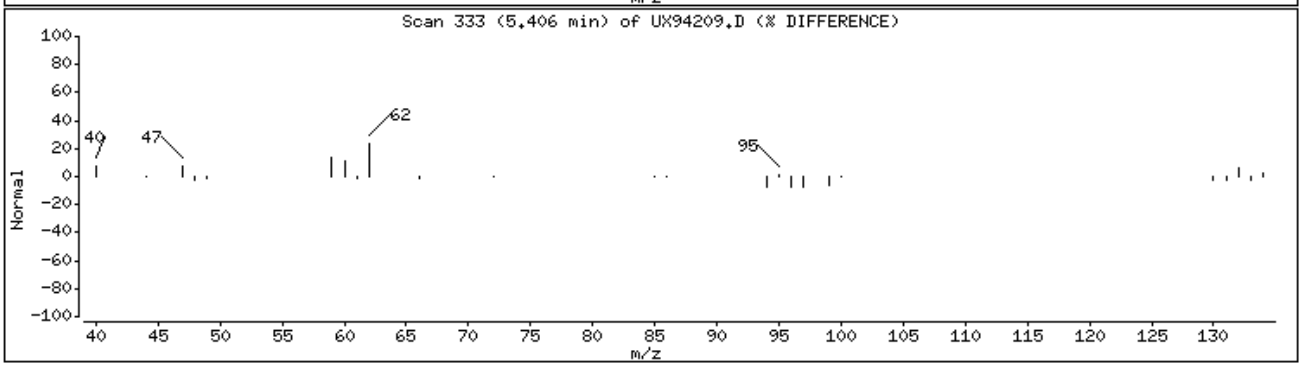
Column phase: DB624 Column diameter: 0.18

42 Trichloroethene Concentration: 0.3048 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94209.D

Date : 17-JUN-2005 01:06

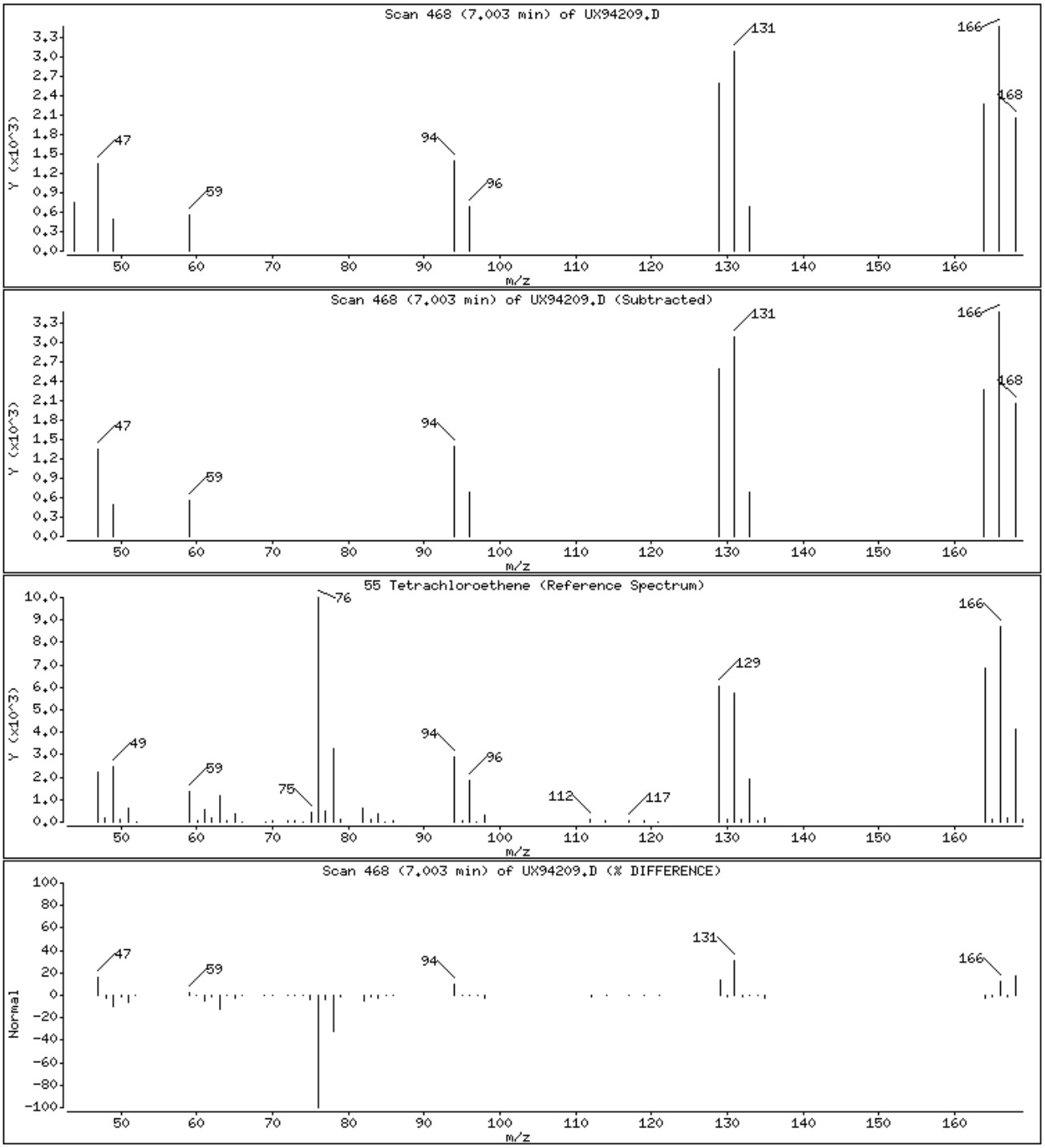
Client ID: GW-060305-AJ-048 Instrument: a3ux9.i

Sample Info: HCX5K1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 0.3178 ug/L



Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-060305-AJ-049

GC/MS Volatiles

Lot-Sample #...: A5F040126-011 **Work Order #...:** HCX5M1AA **Matrix.....:** WG
Date Sampled...: 06/03/05 16:58 **Date Received..:** 06/04/05
Prep Date.....: 06/17/05 **Analysis Date..:** 06/17/05
Prep Batch #...: 5168046
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**1.1 J,B**	**10**	**ug/L**
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-060305-AJ-049

GC/MS Volatiles

Lot-Sample #...: A5F040126-011 **Work Order #...:** HCX5M1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**0.46 J**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	**0.32 J**	**1.0**	**ug/L**
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**0.38 J**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
Toluene-d8	108	(76 - 110)
4-Bromofluorobenzene	79	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94210.D
Report Date: 17-Jun-2005 07:21

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94210.D
Lab Smp Id: HCX5M1AA Client Smp ID: GW-060305-AJ-049
Inj Date : 17-JUN-2005 01:29
Operator : 1819 Inst ID: a3ux9.i
Smp Info : HCX5M1AA,5ML/5ML
Misc Info : N50616B,8260MIUX9,2-8260.SUB,1819
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50616B.b\8260MIUX9.m
Meth Date : 16-Jun-2005 18:20 Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	691393	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	458273	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	156197	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	156884	56.0736	11.215
$ 5 1,2-Dichloroethane-d4	65	4.825	4.825	(0.947)	185709	48.3762	9.675
$ 6 Toluene-d8	98	6.446	6.446	(0.832)	706437	54.0891	10.818
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	186858	39.6177	7.924
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.802	2.790	(0.550)	13507	5.74475	1.149
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94210.D
Report Date: 17-Jun-2005 07:21

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.577	4.576	(0.898)	7307	1.59351	0.3187
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	5.417	5.405	(1.063)	7151	1.91313	0.3826
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.506	6.505	(0.840)	12588	0.77954	0.1559
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.991	7.002	(0.902)	6487	2.29236	0.4585
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

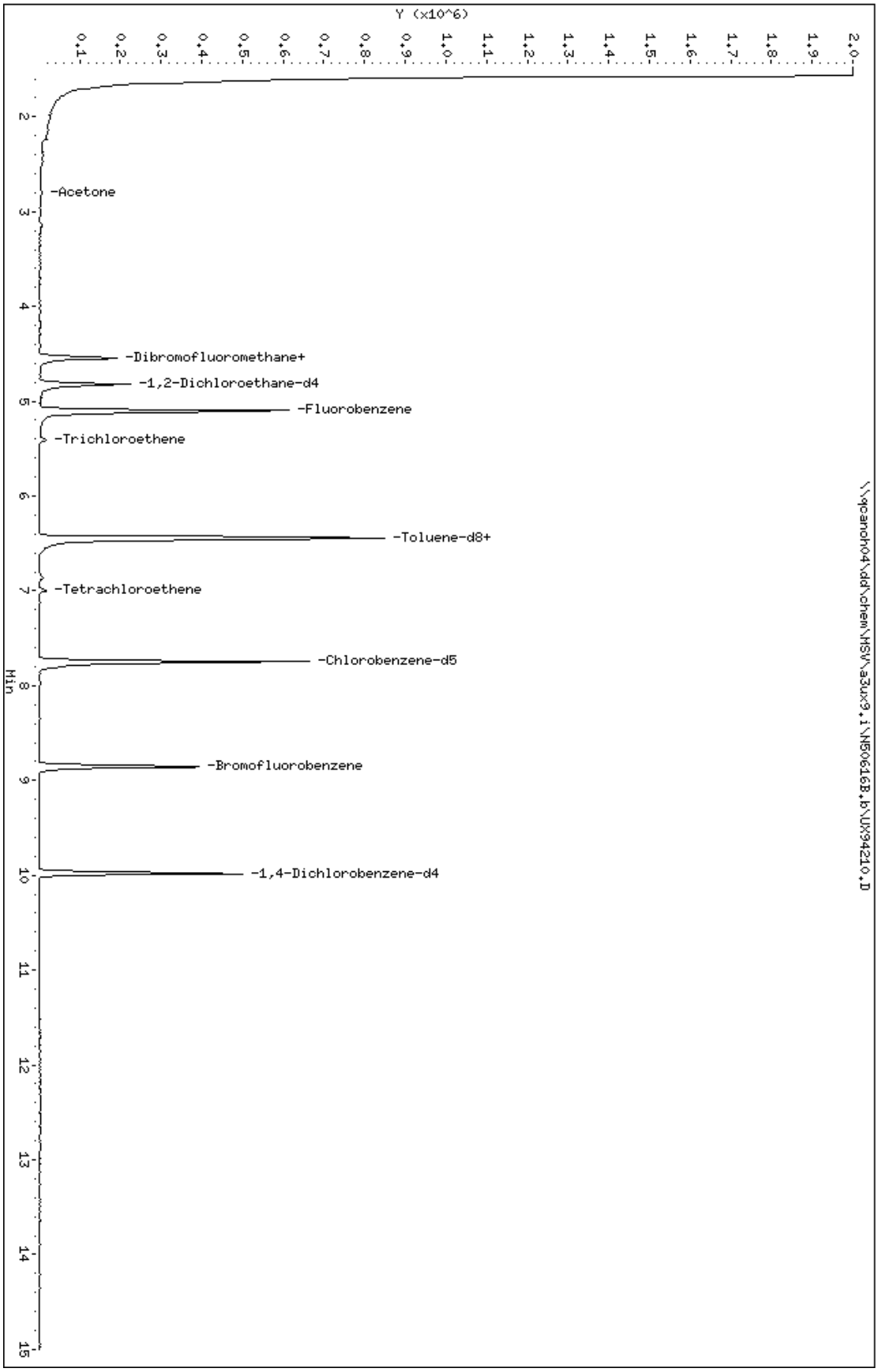
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94210.D
Report Date: 17-Jun-2005 07:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94210.D
Date : 17-JUN-2005 01:29
Client ID: GW-060305-AJ-049
Sample Info: HCX5H1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18



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Date : 17-JUN-2005 01:29

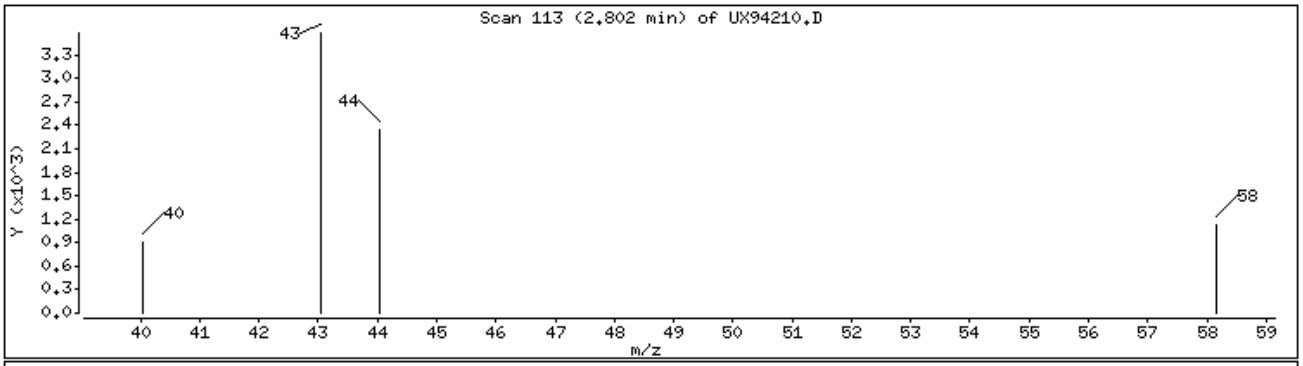
Client ID: GW-060305-AJ-049 Instrument: a3ux9.i

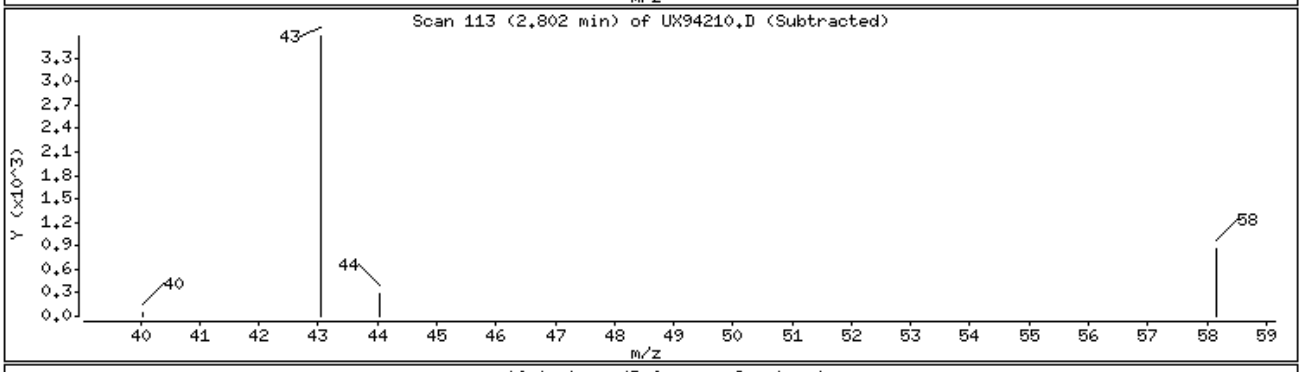
Sample Info: HCX5M1AA,5ML/5ML

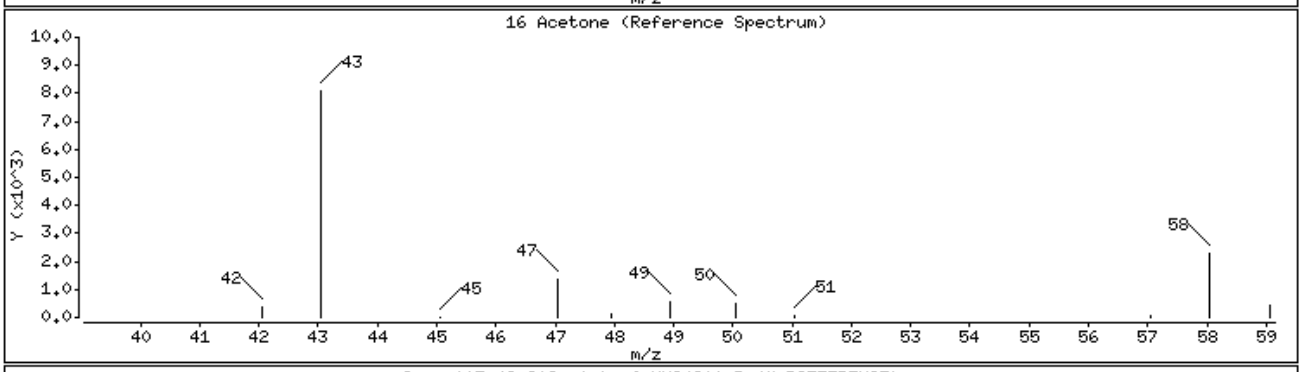
Purge Volume: 5.0 Operator: 1819

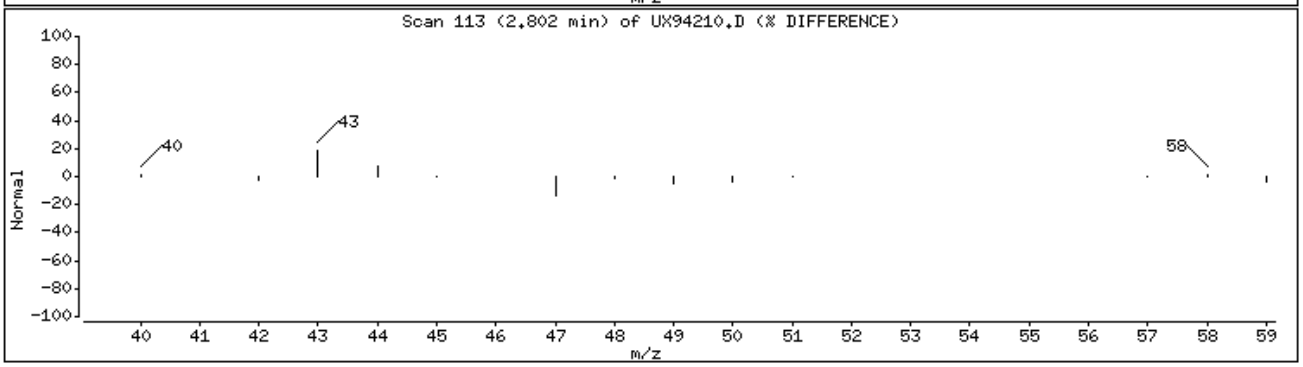
Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 1.149 ug/L









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Date : 17-JUN-2005 01:29

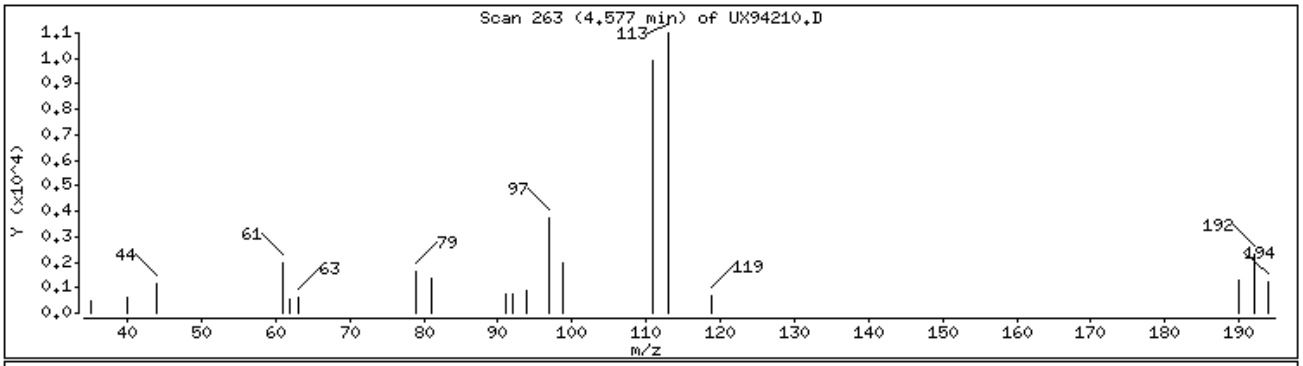
Client ID: GW-060305-AJ-049 Instrument: a3ux9.i

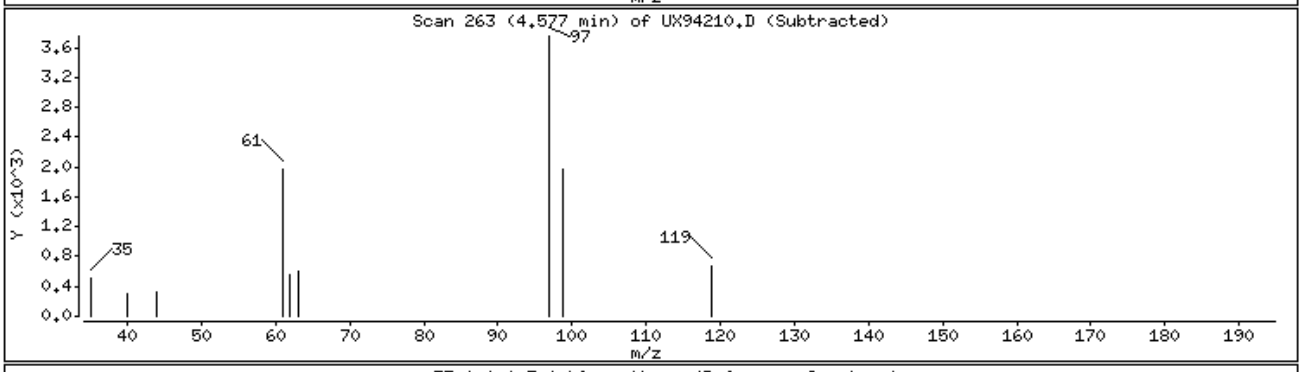
Sample Info: HCX5M1AA,5ML/5ML

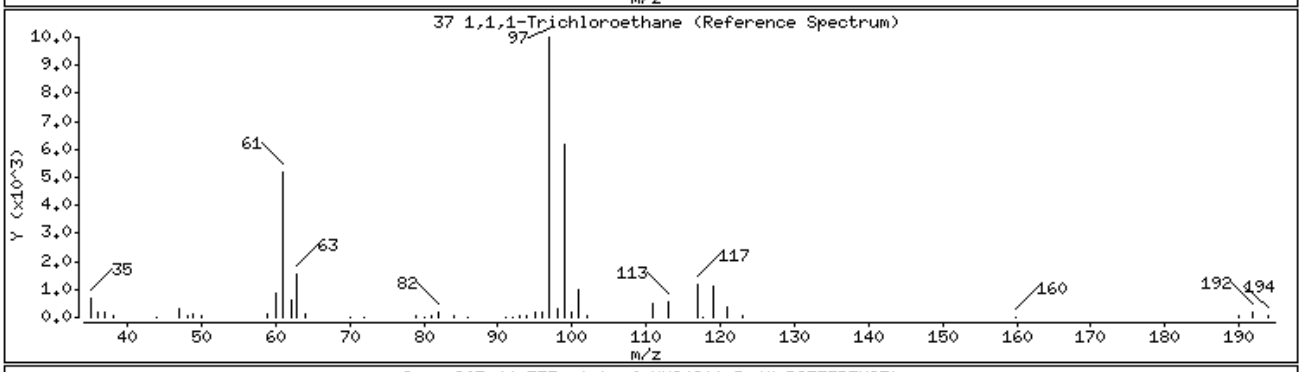
Purge Volume: 5.0 Operator: 1819

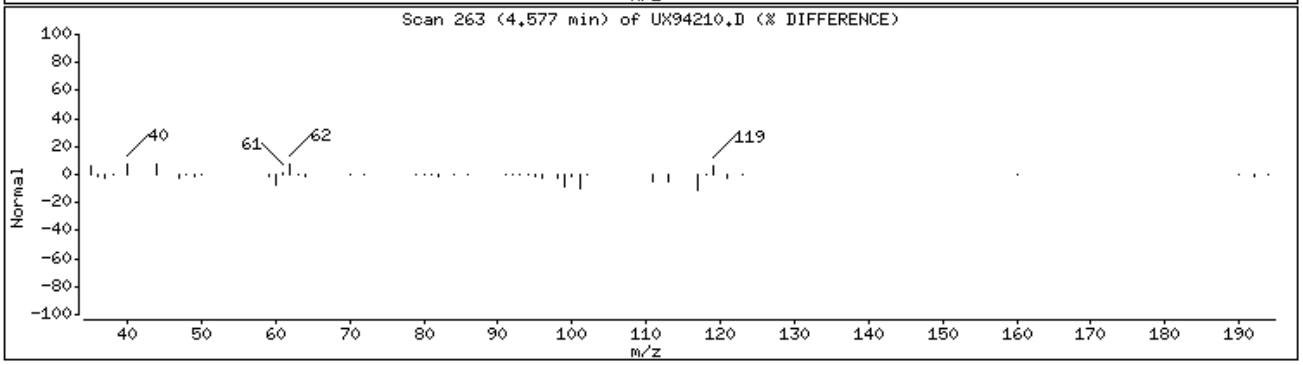
Column phase: DB624 Column diameter: 0.18

37 1,1,1-Trichloroethane Concentration: 0.3187 ug/L









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Date : 17-JUN-2005 01:29

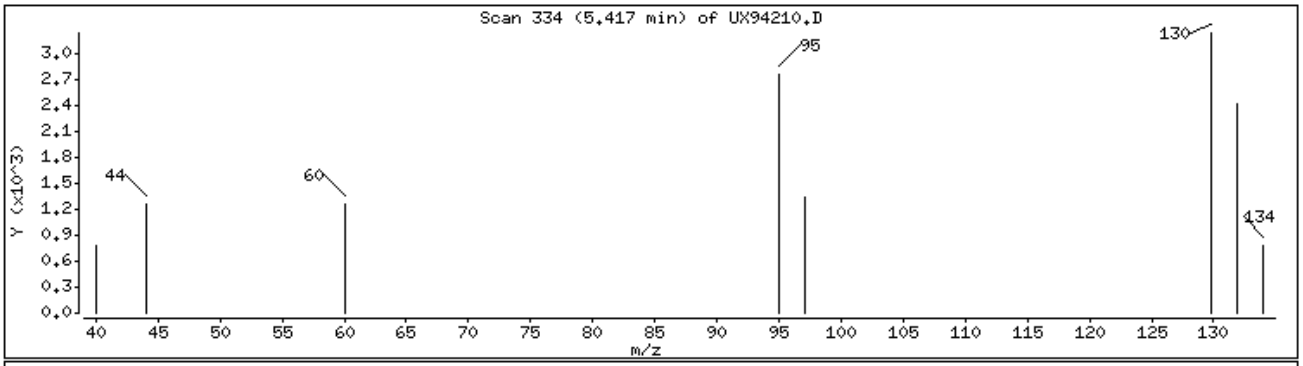
Client ID: GW-060305-AJ-049 Instrument: a3ux9.i

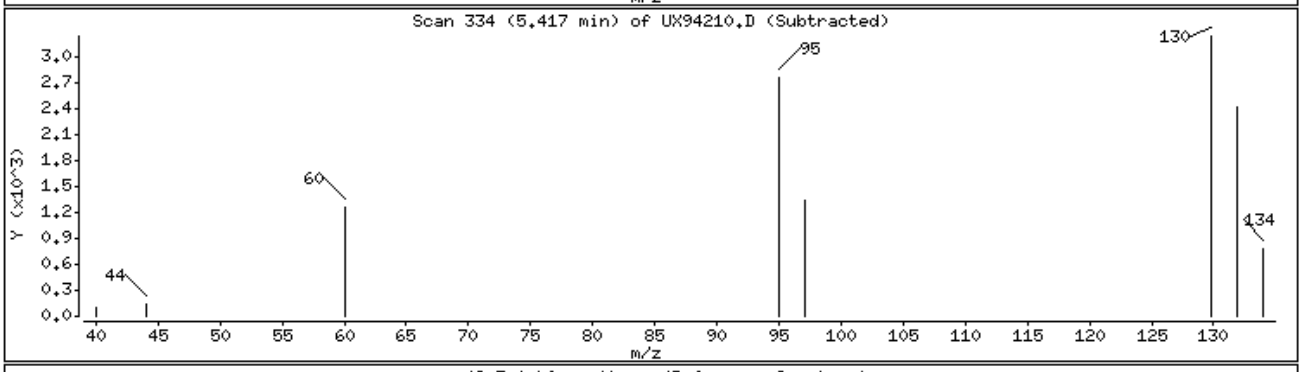
Sample Info: HCX5M1AA,5ML/5ML

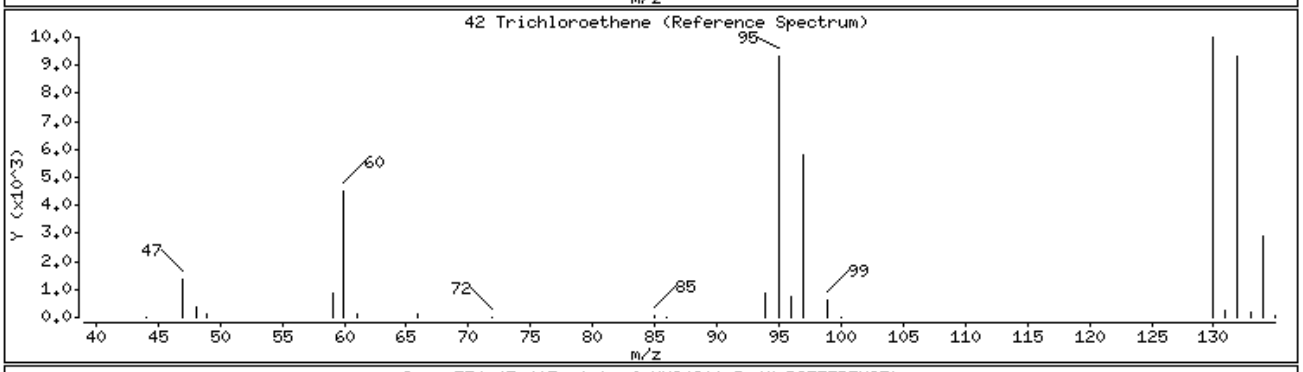
Purge Volume: 5.0 Operator: 1819

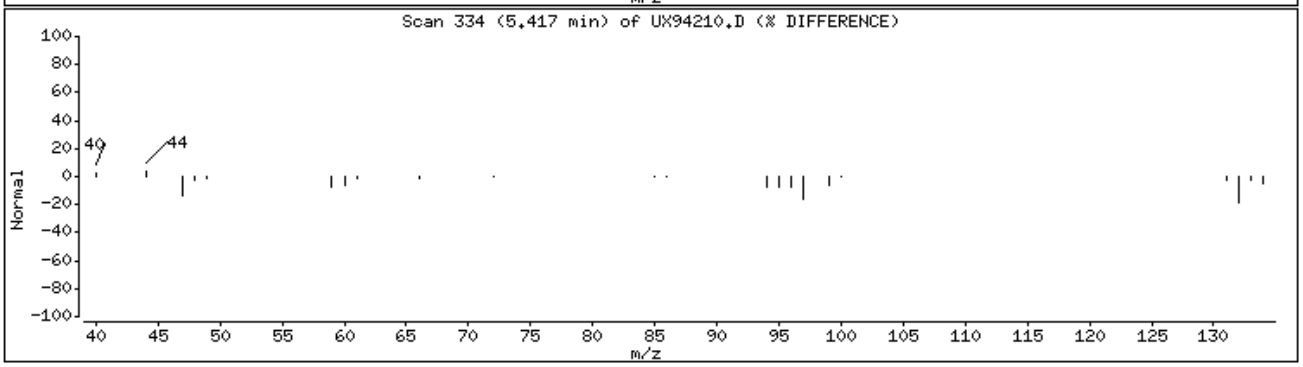
Column phase: DB624 Column diameter: 0.18

42 Trichloroethene Concentration: 0.3826 ug/L









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Date : 17-JUN-2005 01:29

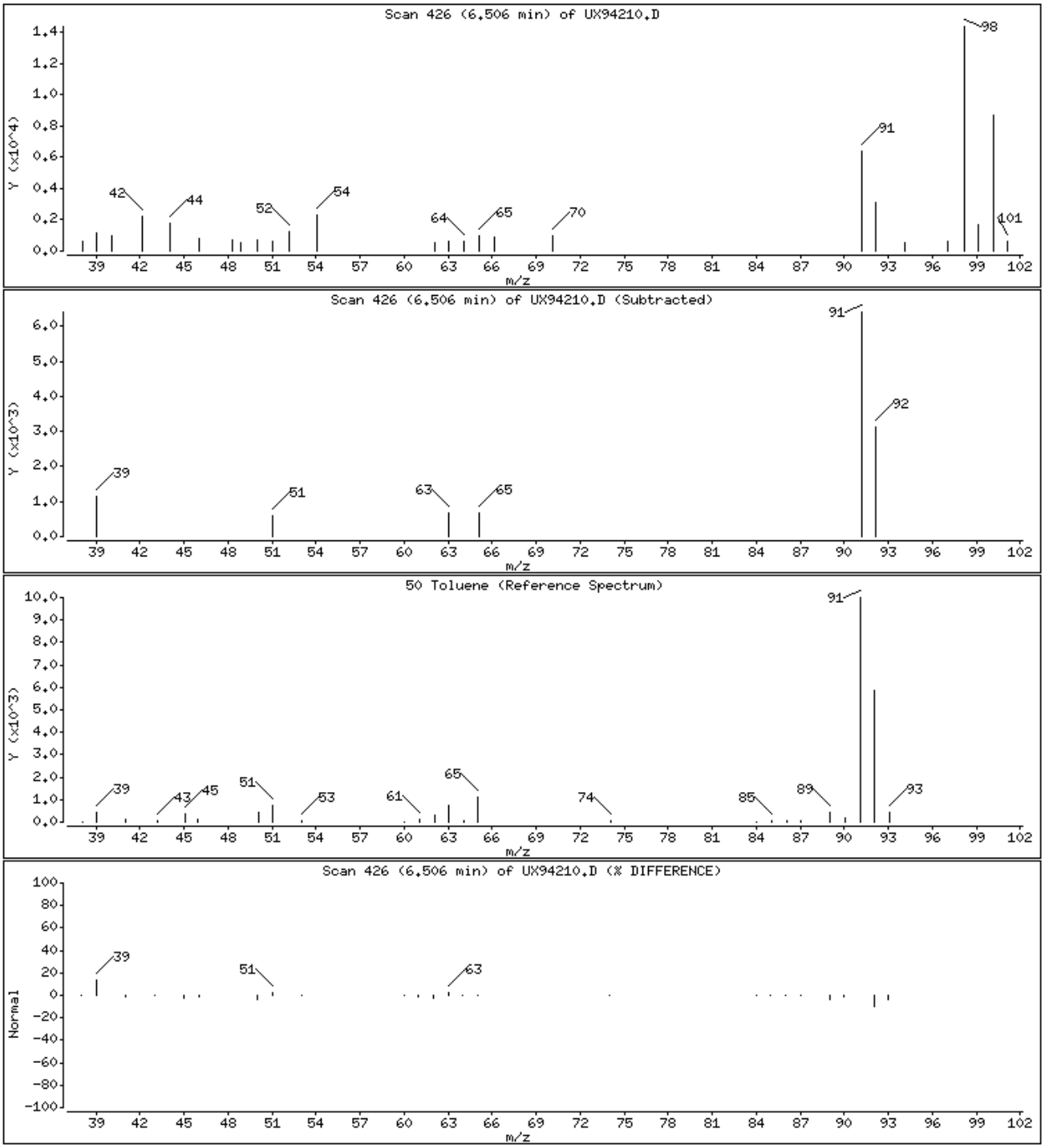
Client ID: GW-060305-AJ-049 Instrument: a3ux9.i

Sample Info: HCX5M1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1819

Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 0.1559 ug/L



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Date : 17-JUN-2005 01:29

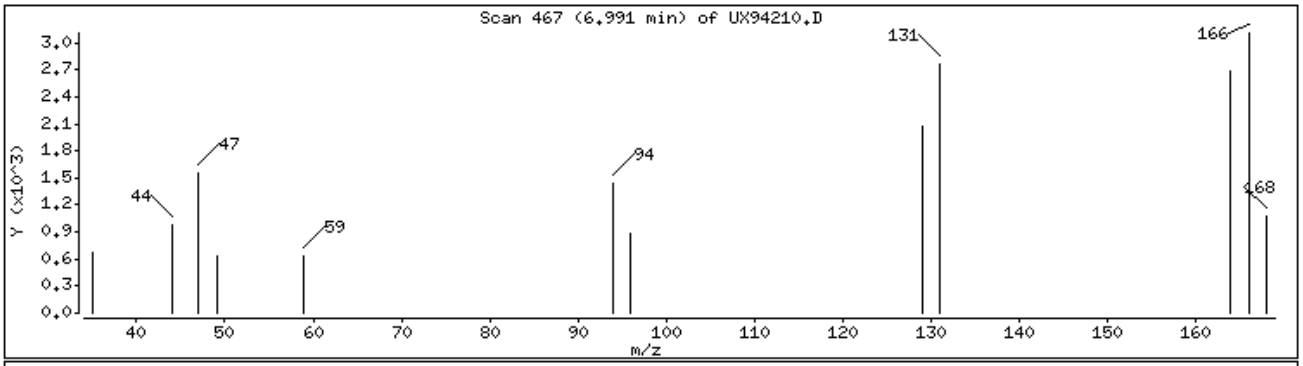
Client ID: GW-060305-AJ-049 Instrument: a3ux9.i

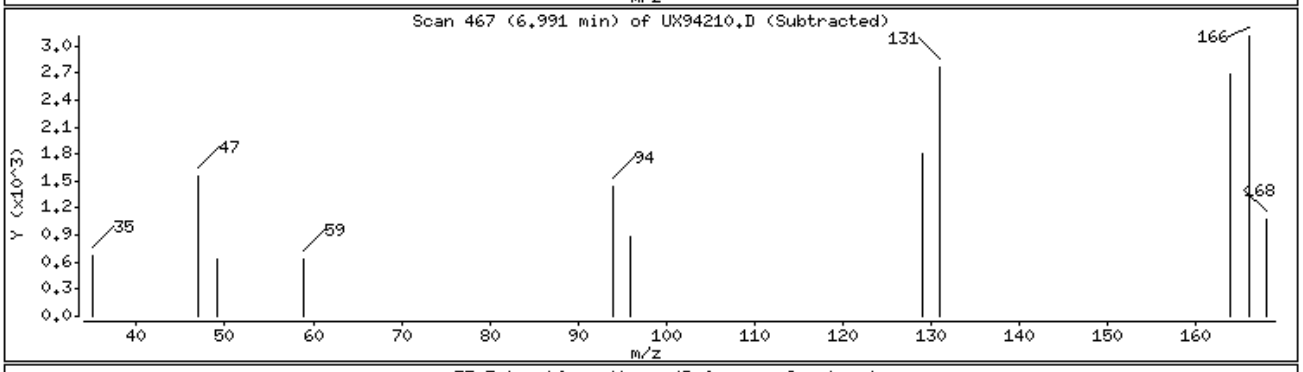
Sample Info: HCX5M1AA,5ML/5ML

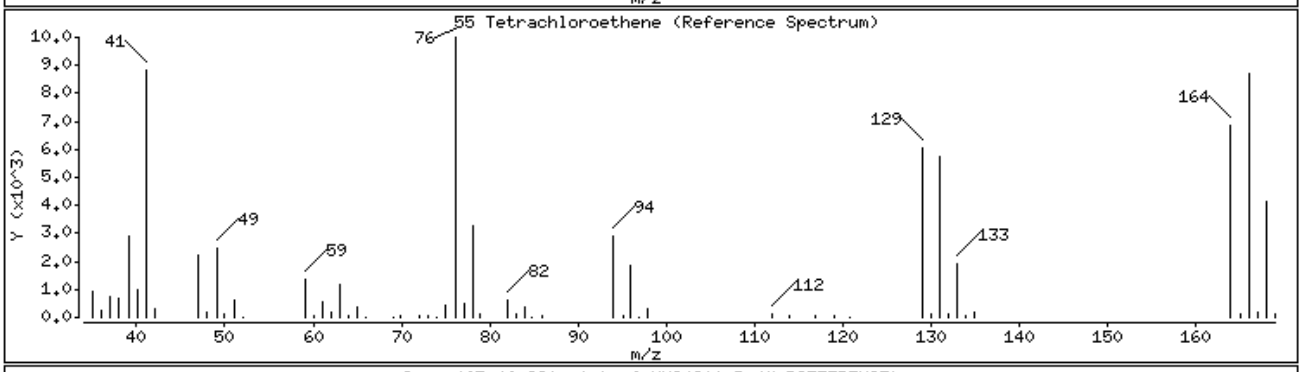
Purge Volume: 5.0 Operator: 1819

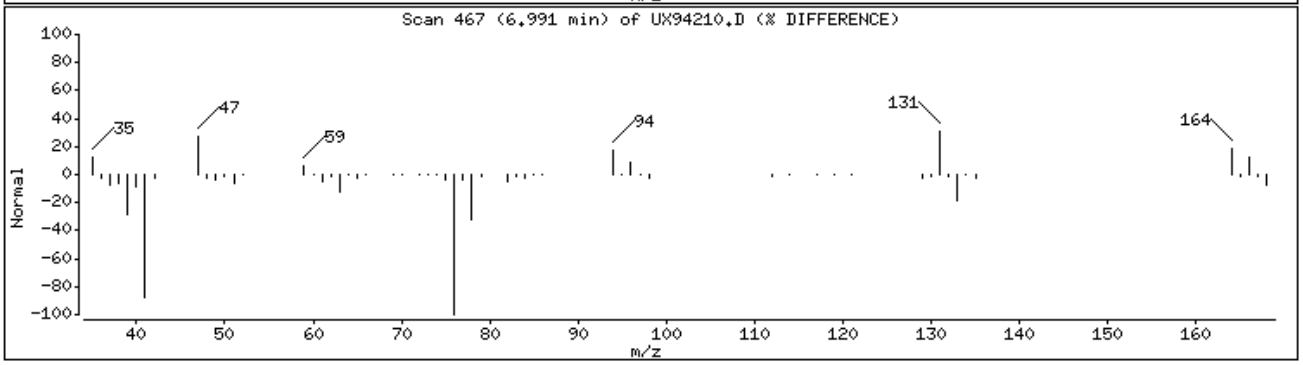
Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 0.4585 ug/L









Conestoga-Rovers & Associates, Inc.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A5F040126-012 **Work Order #...:** HCX5Q1AA **Matrix.....:** WQ
Date Sampled...: 06/03/05 **Date Received..:** 06/04/05
Prep Date.....: 06/17/05 **Analysis Date..:** 06/17/05
Prep Batch #...: 5168046
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**1.1 J,B**	**10**	**ug/L**
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	10	ug/L
Methylene chloride	ND	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Styrene	ND	1.0	ug/L

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A5F040126-012 **Work Order #...:** HCX5Q1AA **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(73 - 122)
1,2-Dichloroethane-d4	93	(61 - 128)
Toluene-d8	106	(76 - 110)
4-Bromofluorobenzene	81	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94211.D
Report Date: 17-Jun-2005 07:22

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94211.D
Lab Smp Id: HCX5Q1AA Client Smp ID: TRIP BLANK
Inj Date : 17-JUN-2005 01:51
Operator : 1819 Inst ID: a3ux9.i
Smp Info : HCX5Q1AA,5ML/5ML
Misc Info : N50616B,8260MIUX9,2-8260.SUB,1819
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50616B.b\8260MIUX9.m
Meth Date : 16-Jun-2005 18:20 Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 23
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.098	5.097	(1.000)	669594	50.0000	
* 2 Chlorobenzene-d5	117	7.749	7.748	(1.000)	454404	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.985	9.984	(1.000)	157892	50.0000	
$ 4 Dibromofluoromethane	113	4.542	4.541	(0.891)	144348	53.2726	10.654
$ 5 1,2-Dichloroethane-d4	65	4.826	4.825	(0.947)	172090	46.2879	9.258
$ 6 Toluene-d8	98	6.447	6.446	(0.832)	683532	52.7810	10.556
$ 7 Bromofluorobenzene	95	8.849	8.848	(1.142)	189119	40.4384	8.088
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.803	2.790	(0.550)	12079	5.30465	1.061
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94211.D
Report Date: 17-Jun-2005 07:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.506	6.505	(0.840)	12760	0.79692	0.1594
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

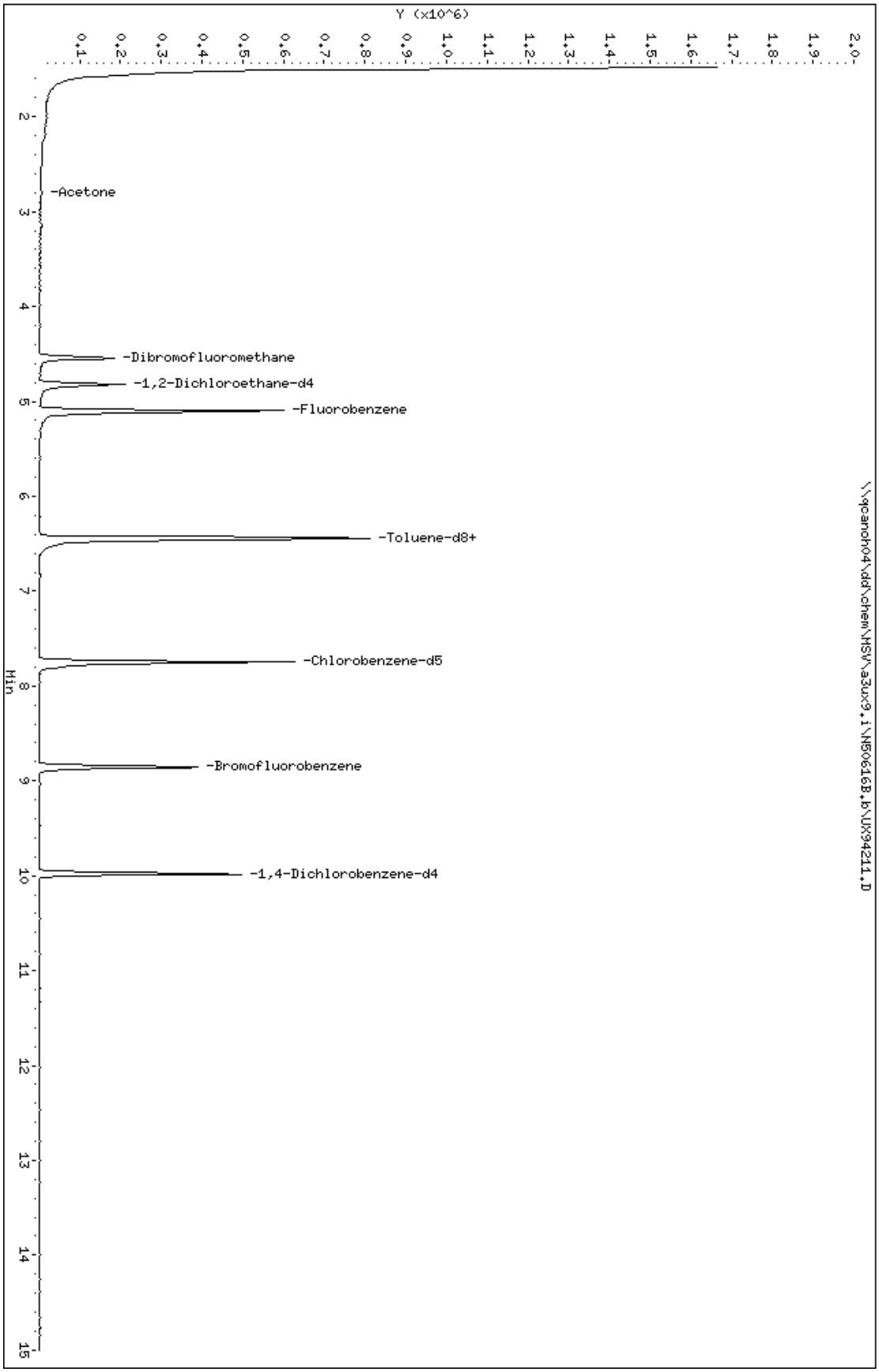
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94211.D
Report Date: 17-Jun-2005 07:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94211.D
Date : 17-JUN-2005 01:51
Client ID: TRIP BLANK
Sample Info: HCX5Q1AA,5ML/5ML
Purge Volume: 5.0
Column Phase: DB624

Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94211.D

Date : 17-JUN-2005 01:51

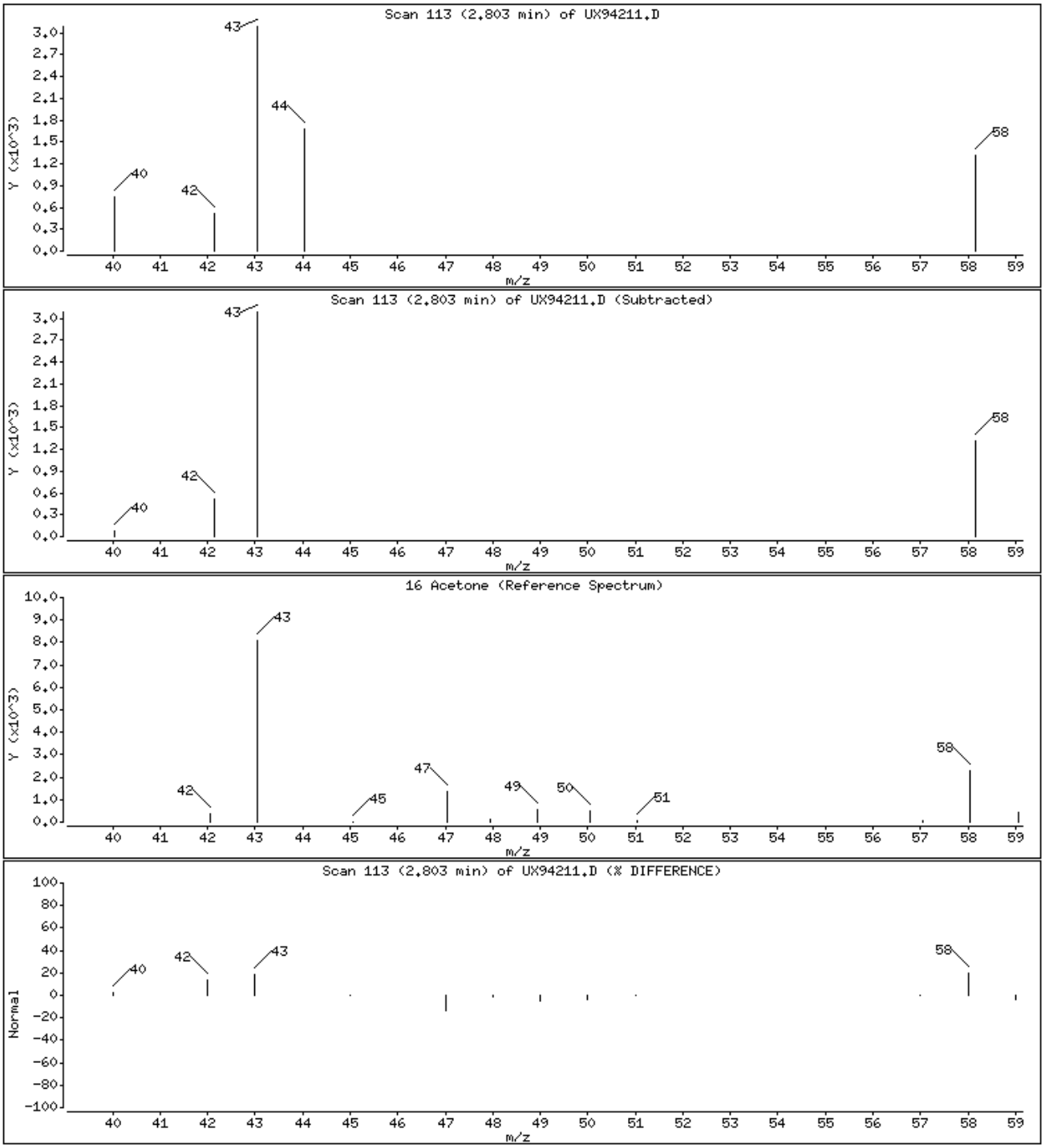
Client ID: TRIP BLANK | Instrument: a3ux9.i

Sample Info: HCX5Q1AA,5ML/5ML

Purge Volume: 5.0 | Operator: 1819

Column phase: DB624 | Column diameter: 0.18

16 Acetone | Concentration: 1.061 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94211.D

Date : 17-JUN-2005 01:51

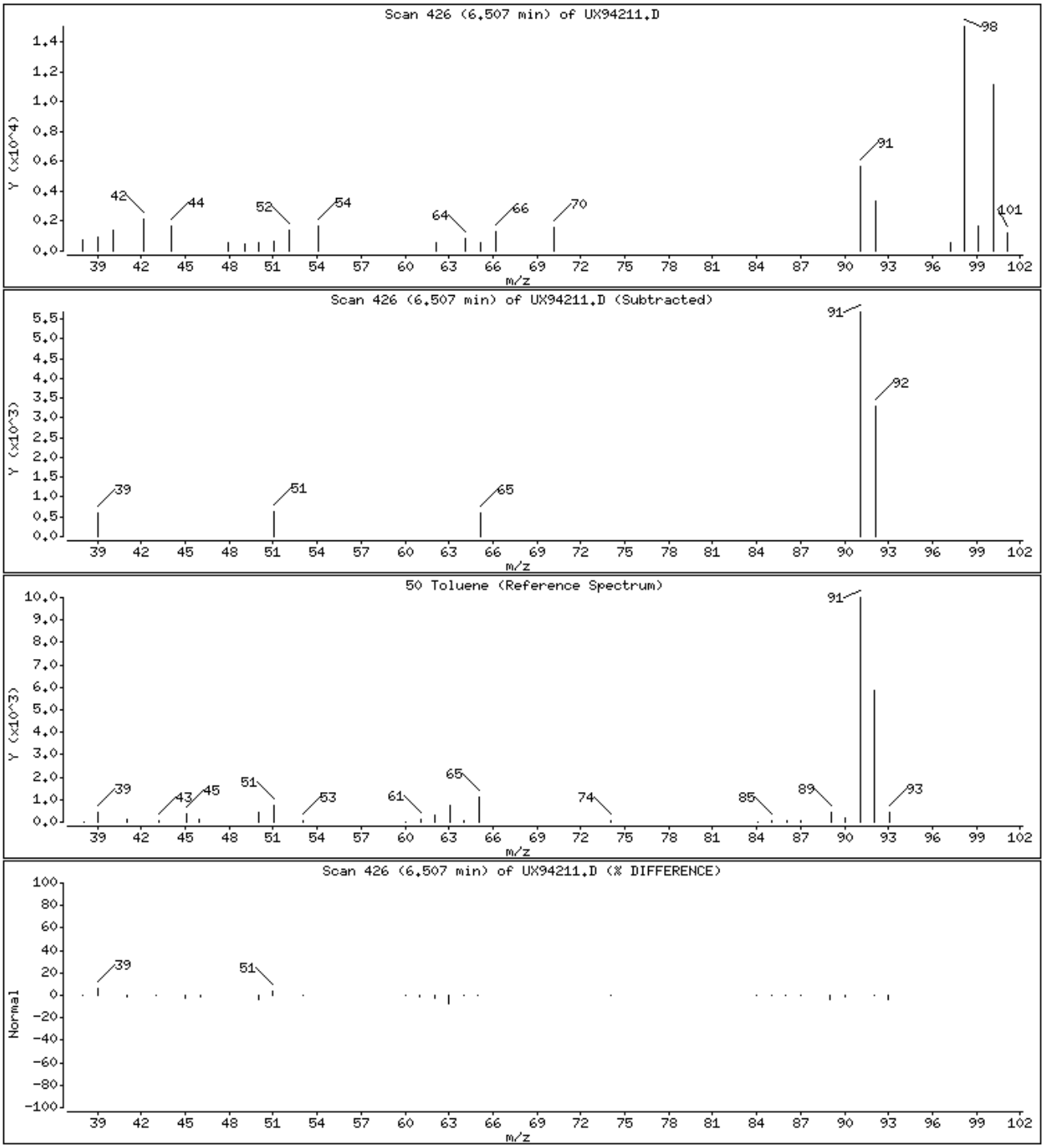
Client ID: TRIP BLANK | Instrument: a3ux9.i

Sample Info: HCX5Q1AA,5ML/5ML

Purge Volume: 5.0 | Operator: 1819

Column phase: DB624 | Column diameter: 0.18

50 Toluene | Concentration: 0.1594 ug/L



STANDARD DATA

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
Start Cal Date: 04-JUN-2005 17:17
End Cal Date : 04-JUN-2005 19:19
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 25.00000		
04-JUN-2005 19:19	1-8260	\\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70955.D
Cal Level: 2 , Cal Amount: 50.00000		
04-JUN-2005 18:55	1-8260	\\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70954.D
Cal Level: 3 , Cal Amount: 100.00000		
04-JUN-2005 18:30	1-8260	\\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70953.D
Cal Level: 4 , Cal Amount: 250.00000		
04-JUN-2005 18:06	1-8260	\\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70952.D
Cal Level: 5 , Cal Amount: 500.00000		
04-JUN-2005 17:41	1-8260	\\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70951.D
Cal Level: 6 , Cal Amount: 1000.00000		
04-JUN-2005 17:17	1-8260	\\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70950.D

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

04-JUN-2005 18:06	1-8260	\\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70952.D

Report Date : 05-Jun-2005 09:10

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 04-JUN-2005 17:17
End Cal Date : 04-JUN-2005 19:19
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
Last Edit : 05-Jun-2005 09:07 a3ux7.i
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70955.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70954.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70953.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70952.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70951.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70950.D

	Compound	25.000 Level 1	50.000 Level 2	100.000 Level 3	250.000 Level 4	500.000 Level 5	1000.000 Level 6	RRF	% RSD	
	8 Dichlorodifluoromethane	0.28519	0.22563	0.24994	0.24194	0.26091	0.23156	0.24919	8.704	
	9 Chloromethane	0.42118	0.34468	0.36614	0.35902	0.37735	0.32351	0.36531	9.062	
	10 Vinyl Chloride	0.36518	0.32172	0.33446	0.31899	0.33349	0.27147	0.32422	9.440	
	11 Bromomethane	0.19605	0.14350	0.15664	0.15572	0.14123	+++++	0.15863	13.899	
	12 Chloroethane	0.20992	0.17742	0.17469	0.18350	0.18692	0.13857	0.17850	13.001	
	13 Trichlorofluoromethane	0.32083	0.28134	0.30032	0.34755	0.38197	0.35911	0.33185	11.410	
	14 Dichlorofluoromethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	15 Acrolein	0.04306	0.03930	0.03674	0.03489	0.03546	0.03640	0.03764	8.123	
	16 Acetone	0.19301	0.17507	0.13231	0.11435	0.12519	0.12569	0.14427	22.076	
	17 1,1-Dichloroethene	0.30755	0.28497	0.24308	0.25453	0.27868	0.26461	0.27224	8.493	
	18 Freon-113	0.24104	0.19174	0.18089	0.18898	0.19910	0.19102	0.19879	10.817	
	19 Iodomethane	0.47922	0.42981	0.39475	0.38236	0.38403	0.36628	0.40607	10.257	
	20 Carbon Disulfide	1.23523	1.08201	0.99132	1.02995	0.99993	0.95102	1.04824	9.679	
	21 Methylene Chloride	0.64720	0.47858	0.40772	0.34090	0.34723	0.32187	0.42392	29.138	
	22 Acetonitrile	0.04964	0.04424	0.03954	0.03630	0.03727	0.03761	0.04076	12.717	
	23 Acrylonitrile	0.12405	0.11749	0.10822	0.10262	0.10626	0.11011	0.11146	7.092	
	24 Methyl tert-butyl ether	0.66343	0.70285	0.57488	0.61928	0.64772	0.65763	0.64430	6.740	
	25 trans-1,2-Dichloroethene	0.37465	0.35673	0.30618	0.32933	0.34724	0.32952	0.34061	7.069	
	26 Hexane	0.08618	0.07855	0.07945	0.08587	0.09119	0.09160	0.08547	6.515	
	27 Vinyl acetate	0.45609	0.44412	0.44223	0.46316	0.47988	0.53645	0.47032	7.483	
	28 1,1-Dichloroethane	0.63926	0.63680	0.54839	0.57464	0.59378	0.57701	0.59498	6.114	
	29 tert-Butyl Alcohol	0.02598	0.03188	0.01835	0.01989	0.02044	0.02196	0.02309	21.796	
	30 2-Butanone	0.19180	0.18831	0.16425	0.15831	0.16787	0.17894	0.17491	7.754	
M	31 1,2-Dichloroethene (total)	0.36087	0.34502	0.30060	0.32640	0.34032	0.32643	0.33327	6.166	
	32 cis-1,2-dichloroethene	0.34709	0.33332	0.29501	0.32347	0.33341	0.32334	0.32594	5.361	
	33 2,2-Dichloropropane	0.32809	0.31365	0.27818	0.30270	0.31146	0.29386	0.30466	5.681	
	34 Bromochloromethane	0.14876	0.14267	0.12658	0.13369	0.13399	0.13298	0.13644	5.802	
	35 Chloroform	0.57167	0.54073	0.46545	0.49108	0.51055	0.49708	0.51276	7.407	

Report Date : 05-Jun-2005 09:10

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 04-JUN-2005 17:17
End Cal Date : 04-JUN-2005 19:19
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
Last Edit : 05-Jun-2005 09:07 a3ux7.i
Curve Type : Average

	Compound	25.000 Level 1	50.000 Level 2	100.000 Level 3	250.000 Level 4	500.000 Level 5	1000.000 Level 6	RRF	% RSD	
	36 Tetrahydrofuran	0.16077	0.12812	0.09202	0.08720	0.08751	0.09383	0.10824	27.708	
	37 1,1,1-Trichloroethane	0.45436	0.41109	0.35328	0.39557	0.40996	0.38633	0.40177	8.291	
	38 1,1-Dichloropropene	0.43215	0.43173	0.36852	0.42093	0.43781	0.42636	0.41959	6.117	
	39 Carbon Tetrachloride	0.38446	0.36055	0.31910	0.34642	0.36537	0.35484	0.35512	6.128	
	40 1,2-Dichloroethane	0.40000	0.39075	0.32273	0.34636	0.35630	0.35798	0.36235	7.907	
	41 Benzene	1.41854	1.39457	1.20772	1.30426	1.34840	1.31849	1.33200	5.625	
	42 Trichloroethene	0.35569	0.33484	0.29089	0.31361	0.32998	0.32592	0.32516	6.678	
	43 1,2-Dichloropropane	0.35065	0.33545	0.28657	0.32112	0.32441	0.31653	0.32245	6.641	
	44 1,4-Dioxane	0.00243	0.00278	0.00190	0.00228	0.00245	0.00243	0.00238	12.013	<-
	45 Dibromomethane	0.16741	0.15282	0.12641	0.13885	0.14302	0.14536	0.14564	9.456	
	46 Bromodichloromethane	0.38754	0.37203	0.31350	0.34888	0.35991	0.36486	0.35779	7.053	
	47 2 Chloroethyl vinyl ether	0.11433	0.12253	0.12211	0.13963	0.14373	0.15710	0.13324	12.177	
	48 cis-1,3-Dichloropropene	0.40671	0.41328	0.36244	0.42337	0.44224	0.45217	0.41670	7.596	
	49 4-Methyl-2-pentanone	0.25117	0.28937	0.25409	0.26993	0.28554	0.31275	0.27714	8.456	
	50 Toluene	2.07943	2.09704	1.88622	2.02131	2.07608	2.08883	2.04148	3.948	
	51 trans-1,3-Dichloropropene	0.50583	0.53859	0.47473	0.52117	0.53603	0.56211	0.52308	5.780	
	52 Ethyl Methacrylate	0.36395	0.44548	0.38202	0.44267	0.46896	0.51348	0.43609	12.697	
	53 1,1,2-Trichloroethane	0.37368	0.39342	0.31841	0.32658	0.32667	0.33708	0.34597	8.773	
	54 1,3-Dichloropropane	0.65203	0.65160	0.54238	0.56798	0.57458	0.58680	0.59589	7.666	
	55 Tetrachloroethene	0.38708	0.40178	0.36100	0.36443	0.38004	0.37350	0.37797	4.004	
	56 2-Hexanone	0.32128	0.37679	0.32255	0.33721	0.34435	0.37010	0.34538	6.812	
	57 Dibromochloromethane	0.39384	0.38291	0.32003	0.34337	0.34302	0.35593	0.35652	7.709	
	58 1,2-Dibromoethane	0.34485	0.35701	0.29847	0.30873	0.31509	0.32962	0.32563	6.873	
	59 Chlorobenzene	1.34416	1.28510	1.11085	1.19772	1.22954	1.23063	1.23300	6.412	
	60 1,1,1,2-Tetrachloroethane	0.43370	0.43025	0.36302	0.39149	0.40411	0.40305	0.40427	6.458	
	61 Ethylbenzene	0.67655	0.70533	0.63492	0.70968	0.75013	0.74662	0.70387	6.194	
	62 m + p-Xylene	0.81083	0.88285	0.80924	0.87846	0.92042	0.89349	0.86588	5.273	
M	63 Xylenes (total)	0.78394	0.86235	0.78789	0.86627	0.90675	0.88224	0.84824	5.983	
	64 Xylene-o	0.73018	0.82136	0.74518	0.84187	0.87941	0.85976	0.81296	7.574	
	65 Styrene	1.26094	1.34839	1.25726	1.40125	1.46882	1.44664	1.36388	6.677	
	66 Bromoform	0.24490	0.25771	0.21086	0.22243	0.23157	0.24005	0.23459	7.110	
	67 Isopropylbenzene	1.69326	1.86380	1.78085	2.07653	2.24296	2.23373	1.98186	11.902	
	68 1,1,2,2-Tetrachloroethane	0.95102	1.07895	0.76843	0.80805	0.83317	0.87435	0.88566	12.803	
	69 1,4-Dichloro-2-butene	0.30821	0.31525	0.26076	0.27065	0.29979	0.32461	0.29654	8.579	
	70 1,2,3-Trichloropropane	0.30262	0.32620	0.24193	0.25707	0.26154	0.27829	0.27794	11.309	
	71 Bromobenzene	0.96094	0.97582	0.86363	0.90235	0.94954	0.94765	0.93332	4.509	

Report Date : 05-Jun-2005 09:10

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 04-JUN-2005 17:17
End Cal Date : 04-JUN-2005 19:19
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
Last Edit : 05-Jun-2005 09:07 a3ux7.i
Curve Type : Average

Compound	25.000 Level 1	50.000 Level 2	100.000 Level 3	250.000 Level 4	500.000 Level 5	1000.000 Level 6	RRF	% RSD	
72 n-Propylbenzene	1.06252	1.17000	1.08769	1.20246	1.26124	1.26285	1.17446	7.246	
73 2-Chlorotoluene	1.00166	1.02175	0.93984	1.00151	1.06338	1.06393	1.01534	4.575	
74 1,3,5-Trimethylbenzene	3.16083	3.45584	3.21884	3.62441	3.83053	3.82971	3.52003	8.303	
75 4-Chlorotoluene	1.04138	1.05029	0.95511	1.01271	1.05167	1.03973	1.02515	3.616	
76 tert-Butylbenzene	2.70150	2.77078	2.64200	2.99837	3.24461	3.35520	2.95208	10.072	
77 1,2,4-Trimethylbenzene	3.11358	3.48219	3.27598	3.62063	3.90472	3.89985	3.54949	9.115	
78 sec-Butylbenzene	4.34007	4.62163	4.32991	4.92625	5.29912	5.36257	4.81326	9.497	
79 4-Isopropyltoluene	3.21189	3.42429	3.20162	3.66831	3.97295	3.98336	3.57707	9.906	
80 1,3-Dichlorobenzene	2.00478	1.88349	1.64716	1.81228	1.93642	1.92277	1.86782	6.708	
81 1,4-Dichlorobenzene	2.10416	1.98912	1.73846	1.84621	1.98422	1.95005	1.93537	6.565	
82 n-Butylbenzene	2.93112	3.06695	2.95291	3.48837	3.83530	3.80052	3.34586	12.473	
83 1,2-Dichlorobenzene	1.84549	1.85008	1.58797	1.67564	1.74893	1.72634	1.73908	5.794	
84 1,2-Dibromo-3-chloropropane	0.16045	0.19801	0.12806	0.13844	0.15194	0.16469	0.15693	15.505	
85 1,2,4-Trichlorobenzene	0.86309	0.87457	0.77675	0.98722	1.12048	1.09703	0.95319	14.481	
86 Hexachlorobutadiene	0.64518	0.58281	0.49844	0.58105	0.59159	0.55898	0.57634	8.287	
87 Naphthalene	1.82332	2.23838	1.80361	2.43788	2.81957	2.78258	2.31756	19.272	
88 1,2,3-Trichlorobenzene	0.88015	0.98029	0.77187	0.96177	1.03769	0.98872	0.93675	10.217	
89 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
91 3-Chloropropene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
92 Isopropyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
93 2 Chloro-1,3-butadiene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
94 Propionitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
95 Ethyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
96 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
97 Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
98 Cyclohexane	0.67629	0.67025	0.62193	0.72078	0.76636	0.74308	0.69978	7.624	
99 n-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
100 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
101 2-Nitropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
103 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

Report Date : 05-Jun-2005 09:10

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 04-JUN-2005 17:17
End Cal Date : 04-JUN-2005 19:19
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
Last Edit : 05-Jun-2005 09:07 a3ux7.i
Curve Type : Average

Compound	25.000 Level 1	50.000 Level 2	100.000 Level 3	250.000 Level 4	500.000 Level 5	1000.000 Level 6	RRF	% RSD	
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
M 137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
140 1 Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
141 1,3,5-Trichlorobenzene	1.19751	1.15565	1.02136	1.21477	1.34797	1.30917	1.20774	9.625	
143 Methyl Acetate	0.24615	0.24375	0.22410	0.21587	0.22337	0.23185	0.23085	5.226	
144 Methylcyclohexane	0.56307	0.58730	0.55559	0.62952	0.67936	0.65641	0.61187	8.334	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
146 2-Methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
147 Ethyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
148 n-Butyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
149 1,2:3,4-Diepoxybutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
150 Bromoacetone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
151 Allyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
152 Acenaphthylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 4 Dibromofluoromethane	0.30235	0.27769	0.25101	0.22377	0.23265	0.24209	0.25493	11.655	
$ 5 1,2-Dichloroethane-d4	0.34721	0.32619	0.28216	0.24968	0.26009	0.27457	0.28998	13.269	
$ 6 Toluene-d8	1.17118	1.12811	1.06702	1.01265	1.07793	1.13277	1.09828	5.170	
$ 7 Bromofluorobenzene	0.65195	0.60048	0.57732	0.54148	0.56975	0.58862	0.58827	6.295	

port Date : 05-Jun-2005 09:12

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 04-JUN-2005 17:17
d Cal Date : 04-JUN-2005 19:19
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
st Edit : 05-Jun-2005 09:07 a3ux7.i

libration File Names:
vel 1: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70955.D
vel 2: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70954.D
vel 3: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70953.D
vel 4: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70952.D
vel 5: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70951.D
vel 6: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70950.D

Compound	25.0000 Level 1	50.0000 Level 2	100.0000 Level 3	250.0000 Level 4	500.0000 Level 5	1000.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
8 Dichlorodifluoromethane	0.28519	0.22563	0.24994	0.24194	0.26091	0.23156	AVRG		0.24919		8.70368	
9 Chloromethane	0.42118	0.34468	0.36614	0.35902	0.37735	0.32351	AVRG		0.36531		9.06194	
10 Vinyl Chloride	0.36518	0.32172	0.33446	0.31899	0.33349	0.27147	AVRG		0.32422		9.44032	
11 Bromomethane	0.19605	0.14350	0.15664	0.15572	0.14123	+++++	AVRG		0.15863		13.89867	
12 Chloroethane	0.20992	0.17742	0.17469	0.18350	0.18692	0.13857	AVRG		0.17850		13.00060	
13 Trichlorofluoromethane	0.32083	0.28134	0.30032	0.34755	0.38197	0.35911	AVRG		0.33185		11.40951	
14 Dichlorofluoromethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
15 Acrolein	0.04306	0.03930	0.03674	0.03489	0.03546	0.03640	AVRG		0.03764		8.12311	
16 Acetone	37058	74230	107907	246139	497092	1003068	WLINR	-0.11771	0.12135		0.99639	
17 1,1-Dichloroethene	0.30755	0.28497	0.24308	0.25453	0.27868	0.26461	AVRG		0.27224		8.49257	
18 Freon-113	0.24104	0.19174	0.18089	0.18898	0.19910	0.19102	AVRG		0.19879		10.81739	
19 Iodomethane	0.47922	0.42981	0.39475	0.38236	0.38403	0.36628	AVRG		0.40607		10.25673	
20 Carbon Disulfide	1.23523	1.08201	0.99132	1.02995	0.99993	0.95102	AVRG		1.04824		9.67879	
21 Methylene Chloride	62131	101460	166266	366896	689392	1284352	WLINR	-0.10351	0.31823		0.99911	

port Date : 05-Jun-2005 09:12

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 04-JUN-2005 17:17
d Cal Date : 04-JUN-2005 19:19
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
st Edit : 05-Jun-2005 09:07 a3ux7.i

Compound	25.0000 Level 1	50.0000 Level 2	100.0000 Level 3	250.0000 Level 4	500.0000 Level 5	1000.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
22 Acetonitrile	0.04964	0.04424	0.03954	0.03630	0.03727	0.03761	AVRG		0.04076		12.71719
23 Acrylonitrile	0.12405	0.11749	0.10822	0.10262	0.10626	0.11011	AVRG		0.11146		7.09152
24 Methyl tert-butyl ether	0.66343	0.70285	0.57488	0.61928	0.64772	0.65763	AVRG		0.64430		6.73987
25 trans-1,2-Dichloroethene	0.37465	0.35673	0.30618	0.32933	0.34724	0.32952	AVRG		0.34061		7.06850
26 Hexane	0.08618	0.07855	0.07945	0.08587	0.09119	0.09160	AVRG		0.08547		6.51465
27 Vinyl acetate	0.45609	0.44412	0.44223	0.46316	0.47988	0.53645	AVRG		0.47032		7.48328
28 1,1-Dichloroethane	0.63926	0.63680	0.54839	0.57464	0.59378	0.57701	AVRG		0.59498		6.11450
29 tert-Butyl Alcohol	49886	135175	149685	428140	811777	1752799	QUAD	-1.12346	54.23621	-4.59729	0.99895
30 2-Butanone	0.19180	0.18831	0.16425	0.15831	0.16787	0.17894	AVRG		0.17491		7.75365
31 1,2-Dichloroethene (total)	0.36087	0.34502	0.30060	0.32640	0.34032	0.32643	AVRG		0.33327		6.16572
32 cis-1,2-dichloroethene	0.34709	0.33332	0.29501	0.32347	0.33341	0.32334	AVRG		0.32594		5.36149
33 2,2-Dichloropropane	0.32809	0.31365	0.27818	0.30270	0.31146	0.29386	AVRG		0.30466		5.68142
34 Bromochloromethane	0.14876	0.14267	0.12658	0.13369	0.13399	0.13298	AVRG		0.13644		5.80173
35 Chloroform	0.57167	0.54073	0.46545	0.49108	0.51055	0.49708	AVRG		0.51276		7.40726
36 Tetrahydrofuran	15434	27161	37523	93855	173738	374423	WLINR	-0.06931	0.08855		0.99497
37 1,1,1-Trichloroethane	0.45436	0.41109	0.35328	0.39557	0.40996	0.38633	AVRG		0.40177		8.29084
38 1,1-Dichloropropene	0.43215	0.43173	0.36852	0.42093	0.43781	0.42636	AVRG		0.41959		6.11677
39 Carbon Tetrachloride	0.38446	0.36055	0.31910	0.34642	0.36537	0.35484	AVRG		0.35512		6.12845
40 1,2-Dichloroethane	0.40000	0.39075	0.32273	0.34636	0.35630	0.35798	AVRG		0.36235		7.90738
41 Benzene	1.41854	1.39457	1.20772	1.30426	1.34840	1.31849	AVRG		1.33200		5.62516
42 Trichloroethene	0.35569	0.33484	0.29089	0.31361	0.32998	0.32592	AVRG		0.32516		6.67803
43 1,2-Dichloropropane	0.35065	0.33545	0.28657	0.32112	0.32441	0.31653	AVRG		0.32245		6.64122

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tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
st Edit : 05-Jun-2005 09:07 a3ux7.i

Compound	25.0000 Level 1	50.0000 Level 2	100.0000 Level 3	250.0000 Level 4	500.0000 Level 5	1000.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
44 1,4-Dioxane	0.00243	0.00278	0.00190	0.00228	0.00245	0.00243	AVRG		0.00238		12.01302	<-
45 Dibromomethane	0.16741	0.15282	0.12641	0.13885	0.14302	0.14536	AVRG		0.14564		9.45573	
46 Bromodichloromethane	0.38754	0.37203	0.31350	0.34888	0.35991	0.36486	AVRG		0.35779		7.05269	
47 2-Chloroethyl vinyl ether	0.11433	0.12253	0.12211	0.13963	0.14373	0.15710	AVRG		0.13324		12.17733	
48 cis-1,3-Dichloropropene	0.40671	0.41328	0.36244	0.42337	0.44224	0.45217	AVRG		0.41670		7.59615	
49 4-Methyl-2-pentanone	0.25117	0.28937	0.25409	0.26993	0.28554	0.31275	AVRG		0.27714		8.45567	
50 Toluene	2.07943	2.09704	1.88622	2.02131	2.07608	2.08883	AVRG		2.04148		3.94785	
51 trans-1,3-Dichloropropene	0.50583	0.53859	0.47473	0.52117	0.53603	0.56211	AVRG		0.52308		5.78016	
52 Ethyl Methacrylate	0.36395	0.44548	0.38202	0.44267	0.46896	0.51348	AVRG		0.43609		12.69650	
53 1,1,2-Trichloroethane	0.37368	0.39342	0.31841	0.32658	0.32667	0.33708	AVRG		0.34597		8.77302	
54 1,3-Dichloropropane	0.65203	0.65160	0.54238	0.56798	0.57458	0.58680	AVRG		0.59589		7.66610	
55 Tetrachloroethene	0.38708	0.40178	0.36100	0.36443	0.38004	0.37350	AVRG		0.37797		4.00441	
56 2-Hexanone	0.32128	0.37679	0.32255	0.33721	0.34435	0.37010	AVRG		0.34538		6.81221	
57 Dibromochloromethane	0.39384	0.38291	0.32003	0.34337	0.34302	0.35593	AVRG		0.35652		7.70884	
58 1,2-Dibromoethane	0.34485	0.35701	0.29847	0.30873	0.31509	0.32962	AVRG		0.32563		6.87266	
59 Chlorobenzene	1.34416	1.28510	1.11085	1.19772	1.22954	1.23063	AVRG		1.23300		6.41194	
60 1,1,1,2-Tetrachloroethane	0.43370	0.43025	0.36302	0.39149	0.40411	0.40305	AVRG		0.40427		6.45764	
61 Ethylbenzene	0.67655	0.70533	0.63492	0.70968	0.75013	0.74662	AVRG		0.70387		6.19417	
62 m + p-Xylene	0.81083	0.88285	0.80924	0.87846	0.92042	0.89349	AVRG		0.86588		5.27265	
63 Xylenes (total)	0.78394	0.86235	0.78789	0.86627	0.90675	0.88224	AVRG		0.84824		5.98348	
64 Xylene-o	0.73018	0.82136	0.74518	0.84187	0.87941	0.85976	AVRG		0.81296		7.57443	
65 Styrene	1.26094	1.34839	1.25726	1.40125	1.46882	1.44664	AVRG		1.36388		6.67663	

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st Edit : 05-Jun-2005 09:07 a3ux7.i

Compound	25.0000 Level 1	50.0000 Level 2	100.0000 Level 3	250.0000 Level 4	500.0000 Level 5	1000.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
66 Bromoform	0.24490	0.25771	0.21086	0.22243	0.23157	0.24005	AVRG		0.23459		7.11010
67 Isopropylbenzene	1.69326	1.86380	1.78085	2.07653	2.24296	2.23373	AVRG		1.98186		11.90222
68 1,1,2,2-Tetrachloroethane	0.95102	1.07895	0.76843	0.80805	0.83317	0.87435	AVRG		0.88566		12.80251
69 1,4-Dichloro-2-butene	0.30821	0.31525	0.26076	0.27065	0.29979	0.32461	AVRG		0.29654		8.57864
70 1,2,3-Trichloropropane	0.30262	0.32620	0.24193	0.25707	0.26154	0.27829	AVRG		0.27794		11.30878
71 Bromobenzene	0.96094	0.97582	0.86363	0.90235	0.94954	0.94765	AVRG		0.93332		4.50870
72 n-Propylbenzene	1.06252	1.17000	1.08769	1.20246	1.26124	1.26285	AVRG		1.17446		7.24564
73 2-Chlorotoluene	1.00166	1.02175	0.93984	1.00151	1.06338	1.06393	AVRG		1.01534		4.57497
74 1,3,5-Trimethylbenzene	3.16083	3.45584	3.21884	3.62441	3.83053	3.82971	AVRG		3.52003		8.30273
75 4-Chlorotoluene	1.04138	1.05029	0.95511	1.01271	1.05167	1.03973	AVRG		1.02515		3.61637
76 tert-Butylbenzene	2.70150	2.77078	2.64200	2.99837	3.24461	3.35520	AVRG		2.95208		10.07189
77 1,2,4-Trimethylbenzene	3.11358	3.48219	3.27598	3.62063	3.90472	3.89985	AVRG		3.54949		9.11482
78 sec-Butylbenzene	4.34007	4.62163	4.32991	4.92625	5.29912	5.36257	AVRG		4.81326		9.49726
79 4-Isopropyltoluene	3.21189	3.42429	3.20162	3.66831	3.97295	3.98336	AVRG		3.57707		9.90590
80 1,3-Dichlorobenzene	2.00478	1.88349	1.64716	1.81228	1.93642	1.92277	AVRG		1.86782		6.70846
81 1,4-Dichlorobenzene	2.10416	1.98912	1.73846	1.84621	1.98422	1.95005	AVRG		1.93537		6.56451
82 n-Butylbenzene	2.93112	3.06695	2.95291	3.48837	3.83530	3.80052	AVRG		3.34586		12.47276
83 1,2-Dichlorobenzene	1.84549	1.85008	1.58797	1.67564	1.74893	1.72634	AVRG		1.73908		5.79393
84 1,2-Dibromo-3-chloropropane	4965	13471	16874	50680	103637	220524	WLINR	0.00266	0.15828		0.99099
85 1,2,4-Trichlorobenzene	0.86309	0.87457	0.77675	0.98722	1.12048	1.09703	AVRG		0.95319		14.48123
86 Hexachlorobutadiene	0.64518	0.58281	0.49844	0.58105	0.59159	0.55898	AVRG		0.57634		8.28687
87 Naphthalene	56420	152279	237655	892426	1923251	3726057	WLINR	0.05357	2.79854		0.99446

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Compound	25.0000 Level 1	50.0000 Level 2	100.0000 Level 3	250.0000 Level 4	500.0000 Level 5	1000.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
88 1,2,3-Trichlorobenzene	0.88015	0.98029	0.77187	0.96177	1.03769	0.98872	AVRG		0.93675		10.21716	
89 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
92 Isopropyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
93 2-Chloro-1,3-butadiene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
94 Propionitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
95 Ethyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
96 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
97 Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
98 Cyclohexane	0.67629	0.67025	0.62193	0.72078	0.76636	0.74308	AVRG		0.69978		7.62434	
99 n-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
100 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
101 2-Nitropropane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
103 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

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Compound	25.0000 Level 1	50.0000 Level 2	100.0000 Level 3	250.0000 Level 4	500.0000 Level 5	1000.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
141 1,3,5-Trichlorobenzene	1.19751	1.15565	1.02136	1.21477	1.34797	1.30917	AVRG		1.20774		9.62451	
143 Methyl Acetate	0.24615	0.24375	0.22410	0.21587	0.22337	0.23185	AVRG		0.23085		5.22551	
144 Methylcyclohexane	0.56307	0.58730	0.55559	0.62952	0.67936	0.65641	AVRG		0.61187		8.33396	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
146 2-Methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
147 Ethyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
148 n-Butyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
149 1,2:3,4-Diepoxybutane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
150 Bromoacetone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
151 Allyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
152 Acenaphthylene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
4 Dibromofluoromethane	0.30235	0.27769	0.25101	0.22377	0.23265	0.24209	AVRG		0.25493		11.65541	
5 1,2-Dichloroethane-d4	0.34721	0.32619	0.28216	0.24968	0.26009	0.27457	AVRG		0.28998		13.26874	
6 Toluene-d8	1.17118	1.12811	1.06702	1.01265	1.07793	1.13277	AVRG		1.09828		5.16959	
7 Bromofluorobenzene	0.65195	0.60048	0.57732	0.54148	0.56975	0.58862	AVRG		0.58827		6.29482	

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st Edit : 05-Jun-2005 09:07 a3ux7.i

urve	Formula	Units
veraged	Amt = Rsp/m1	Response
t Linear	Amt = b + Rsp/m1	Response
uad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70950.D
Report Date: 05-Jun-2005 09:13

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70950.D
Lab Smp Id: 1000NG-IC
Inj Date : 04-JUN-2005 17:17
Operator : 402279 Inst ID: a3ux7.i
Smp Info : 1000NG-IC
Misc Info : U50604B-IC,8260SUX7,1-8260.SUB,402279,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
Meth Date : 05-Jun-2005 09:13 a3ux7.i Quant Type: ISTD
Cal Date : 04-JUN-2005 19:19 Cal File: UX70955.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV09

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
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	4.774	4.774	(1.000)	997558	250.000	
* 2 Chlorobenzene-d5	117	7.421	7.421	(1.000)	671936	250.000	(H)
* 3 1,4-Dichlorobenzene-d4	152	9.647	9.647	(1.000)	334766	250.000	
$ 4 Dibromofluoromethane	113	4.209	4.209	(0.882)	965981	1000.00	949.63
$ 5 1,2-Dichloroethane-d4	65	4.489	4.489	(0.940)	1095616	1000.00	946.87
$ 6 Toluene d8	98	6.119	6.119	(1.282)	4520032	1000.00	1031.4(A)
$ 7 Bromofluorobenzene	95	8.528	8.528	(1.149)	1582060	1000.00	1000.6(A)
8 Dichlorodifluoromethane	85	1.331	1.331	(0.279)	923988	1000.00	929.24
9 Chloromethane	50	1.459	1.459	(0.306)	1290863	1000.00	885.56
10 Vinyl Chloride	62	1.544	1.544	(0.323)	1083236	1000.00	837.31
11 Bromomethane	94	1.751	1.751	(0.367)	349794	1000.00	552.62
12 Chloroethane	64	1.842	1.842	(0.386)	552936	1000.00	776.30
13 Trichlorofluoromethane	101	2.037	2.037	(0.427)	1432929	1000.00	1082.1(A)
15 Acrolein	56	2.347	2.347	(0.492)	1452314	10000.0	9669.6
16 Acetone	43	2.469	2.469	(0.517)	1003068	2000.00	2042.0(A)
17 1,1-Dichloroethene	96	2.445	2.445	(0.512)	1055869	1000.00	971.99
18 Freon-113	151	2.457	2.457	(0.515)	762197	1000.00	960.88
19 Iodomethane	142	2.566	2.566	(0.538)	1461528	1000.00	902.00
20 Carbon Disulfide	76	2.627	2.627	(0.550)	3794795	1000.00	907.25
21 Methylene Chloride	84	2.810	2.810	(0.588)	1284352	1000.00	985.56
22 Acetonitrile	41	2.682	2.682	(0.562)	1500625	10000.0	9225.5
23 Acrylonitrile	53	2.992	2.992	(0.627)	4393561	10000.0	9878.8

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70950.D
Report Date: 05-Jun-2005 09:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.041	3.041	(0.637)	2624085	1000.00	1020.7(A)
25 trans-1,2-Dichloroethene	96	3.035	3.035	(0.636)	1314857	1000.00	967.44
26 Hexane	86	3.260	3.260	(0.683)	365492	1000.00	1071.7(A)
27 Vinyl acetate	43	3.400	3.400	(0.712)	2140560	1000.00	1140.6(A)
28 1,1-Dichloroethane	63	3.363	3.363	(0.704)	2302414	1000.00	969.80
29 tert-Butyl Alcohol	59	2.901	2.901	(0.608)	1752799	20000.0	19995
30 2-Butanone	43	3.832	3.832	(0.803)	1428001	2000.00	2046.0(A)
32 cis-1,2-dichloroethene	96	3.825	3.825	(0.801)	1290218	1000.00	992.03
33 2,2-Dichloropropane	77	3.832	3.832	(0.803)	1172562	1000.00	964.55
34 Bromochloromethane	128	4.020	4.020	(0.842)	530630	1000.00	974.62
35 Chloroform	83	4.081	4.081	(0.855)	1983454	1000.00	969.41
36 Tetrahydrofuran	42	4.069	4.069	(0.852)	374423	1000.00	1042.4(A)
37 1,1,1-Trichloroethane	97	4.245	4.245	(0.889)	1541542	1000.00	961.58
38 1,1-Dichloropropene	75	4.379	4.379	(0.917)	1701283	1000.00	1016.2(A)
39 Carbon Tetrachloride	117	4.385	4.385	(0.918)	1415882	1000.00	999.20
40 1,2-Dichloroethane	62	4.549	4.549	(0.953)	1428424	1000.00	987.93
41 Benzene	78	4.549	4.549	(0.953)	5261098	1000.00	989.86
42 Trichloroethene	130	5.085	5.085	(1.065)	1300511	1000.00	1002.4(A)
43 1,2-Dichloropropane	63	5.261	5.261	(1.102)	1263016	1000.00	981.62
44 1,4-Dioxane	88	5.383	5.383	(1.127)	484747	50000.0	51060(A)
45 Dibromomethane	93	5.365	5.365	(1.124)	580006	1000.00	998.03
46 Bromodichloromethane	83	5.492	5.492	(1.150)	1455888	1000.00	1019.8(A)
48 cis-1,3-Dichloropropene	75	5.876	5.876	(1.231)	1804250	1000.00	1085.1(A)
49 4-Methyl-2-pentanone	43	6.009	6.009	(1.259)	2495862	2000.00	2256.9(A)
47 2-Chloroethyl vinyl ether	63	5.742	5.742	(1.203)	1253757	2000.00	2358.2(A)
50 Toluene	91	6.180	6.180	(0.833)	5614228	1000.00	1023.2(A)
51 trans 1,3-Dichloropropene	75	6.362	6.362	(0.857)	1510809	1000.00	1074.6(A)
52 Ethyl Methacrylate	69	6.441	6.441	(0.868)	1380093	1000.00	1177.4(A)
53 1,1,2-Trichloroethane	97	6.527	6.527	(0.879)	905974	1000.00	974.29
54 1,3-Dichloropropane	76	6.679	6.679	(0.900)	1577170	1000.00	984.74
55 Tetrachloroethene	164	6.679	6.679	(0.900)	1003875	1000.00	988.18
56 2-Hexanone	43	6.746	6.746	(0.909)	1989493	2000.00	2143.2(A)
57 Dibromochloromethane	129	6.885	6.885	(0.928)	956657	1000.00	998.36
58 1,2-Dibromoethane	107	6.995	6.995	(0.943)	885928	1000.00	1012.2(A)
59 Chlorobenzene	112	7.451	7.451	(1.004)	3307620	1000.00	998.08
60 1,1,1,2-Tetrachloroethane	131	7.518	7.518	(1.013)	1083303	1000.00	996.99
61 Ethylbenzene	106	7.549	7.549	(1.017)	2006722	1000.00	1060.7(A)
62 m + p-Xylene	106	7.658	7.658	(1.032)	4802929	2000.00	2063.8(A)
64 Xylene-o	106	8.035	8.035	(1.083)	2310808	1000.00	1057.6(A)
65 Styrene	104	8.041	8.041	(1.084)	3888185	1000.00	1060.7(A)
66 Bromoform	173	8.212	8.212	(1.107)	645192	1000.00	1023.3(A)
67 Isopropylbenzene	105	8.382	8.382	(1.130)	6003698	1000.00	1127.1(A)
68 1,1,2,2-Tetrachloroethane	83	8.656	8.656	(0.897)	1170812	1000.00	987.23
69 1,4-Dichloro-2-butene	53	8.710	8.710	(0.903)	434675	1000.00	1094.6(A)
70 1,2,3-Trichloropropane	110	8.698	8.698	(0.902)	372652	1000.00	1001.3(A)
71 Bromobenzene	156	8.674	8.674	(0.899)	1268969	1000.00	1015.4(A)
72 n-Propylbenzene	120	8.777	8.777	(0.910)	1691040	1000.00	1075.3(A)
73 2-Chlorotoluene	126	8.863	8.863	(0.919)	1424669	1000.00	1047.8(A)
74 1,3,5-Trimethylbenzene	105	8.948	8.948	(0.927)	5128233	1000.00	1088.0(A)
75 4-Chlorotoluene	126	8.966	8.966	(0.929)	1392266	1000.00	1014.2(A)
76 tert Butylbenzene	119	9.270	9.270	(0.961)	4492825	1000.00	1136.6(A)
77 1,2,4-Trimethylbenzene	105	9.313	9.313	(0.965)	5222148	1000.00	1098.7(A)
78 sec-Butylbenzene	105	9.483	9.483	(0.983)	7180822	1000.00	1114.1(A)
79 4-Isopropyltoluene	119	9.623	9.623	(0.997)	5333980	1000.00	1113.6(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70950.D
Report Date: 05-Jun-2005 09:13

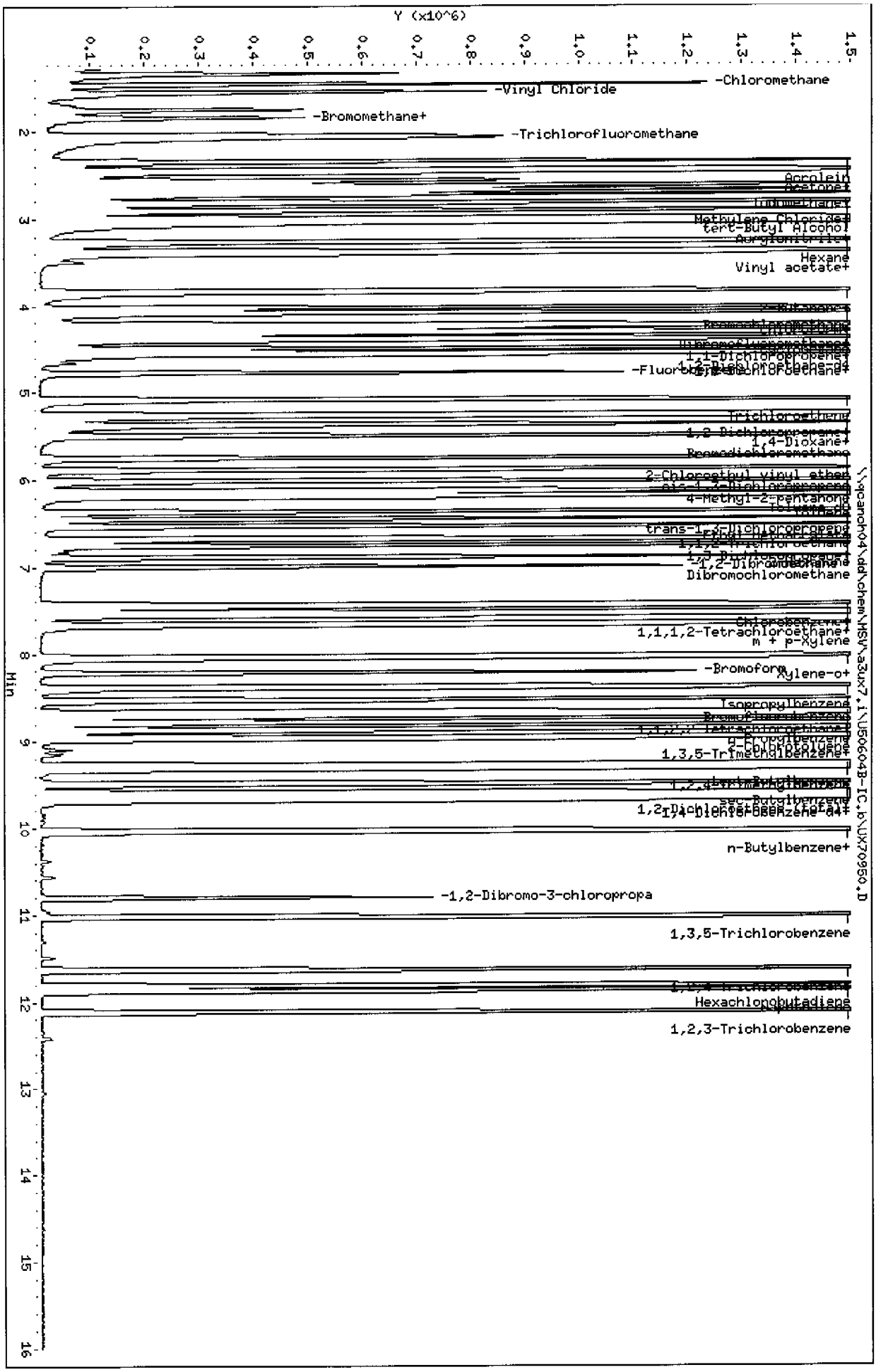
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80 1,3-Dichlorobenzene	146	9.587	9.587	(0.994)	2574709	1000.00	1029.4(A)
81 1,4-Dichlorobenzene	146	9.672	9.672	(1.003)	2611241	1000.00	1007.6(A)
82 n-Butylbenzene	91	10.025	10.025	(1.039)	5089140	1000.00	1135.9(A)
83 1,2-Dichlorobenzene	146	10.037	10.037	(1.040)	2311679	1000.00	992.68
84 1,2-Dibromo-3-chloropropane	157	10.797	10.797	(1.119)	220524	1000.00	1041.1(A)
85 1,2,4 Trichlorobenzene	180	11.631	11.631	(1.206)	1468991	1000.00	1150.9(A)
86 Hexachlorobutadiene	225	11.807	11.807	(1.224)	748515	1000.00	969.88
87 Naphthalene	128	11.868	11.868	(1.230)	3726057	1000.00	1007.7(A)
88 1,2,3-Trichlorobenzene	180	12.111	12.111	(1.255)	1323963	1000.00	1055.5(A)
98 Cyclohexane	56	4.306	4.306	(0.902)	2965057	1000.00	1061.9(A)
143 Methyl Acetate	43	2.730	2.730	(0.572)	1850309	2000.00	2008.7(A)
144 Methylcyclohexane	83	5.255	5.255	(1.101)	2619212	1000.00	1072.8(A)
141 1,3,5-Trichlorobenzene	180	11.022	11.022	(1.143)	1753057	1000.00	1084.0(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7,i\U50604B-IC,b\UX70950,D
Date : 04-JUN-2005 17:17
Client ID:
Sample Info: 1000NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux7,i
Operator: 402279
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70951.D
Report Date: 05-Jun-2005 09:07

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70951.D
Lab Smp Id: 500NG-IC
Inj Date : 04-JUN-2005 17:41
Operator : 402279 Inst ID: a3ux7.i
Smp Info : 500NG-IC
Misc Info : U50604B-IC,8260SUX7,1-8260.SUB,402279,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
Meth Date : 05-Jun-2005 09:07 a3ux7.i Quant Type: ISTD
Cal Date : 04-JUN-2005 17:17 Cal File: UX70950.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV09

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
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	4.775	4.775	(1.000)	992708	250.000	
* 2 Chlorobenzene-d5	117	7.422	7.422	(1.000)	668790	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.648	9.648	(1.000)	341054	250.000	
$ 4 Dibromofluoromethane	113	4.216	4.216	(0.883)	461912	500.000	480.52
$ 5 1,2-Dichloroethane-d4	65	4.489	4.489	(0.940)	516377	500.000	473.61
$ 6 Toluene-d8	98	6.120	6.120	(1.282)	2140143	500.000	475.79
$ 7 Bromofluorobenzene	95	8.529	8.529	(1.149)	762084	500.000	483.97
8 Dichlorodifluoromethane	85	1.338	1.338	(0.280)	518005	500.000	563.36
9 Chloromethane	50	1.460	1.460	(0.306)	749192	500.000	583.22
10 Vinyl Chloride	62	1.545	1.545	(0.324)	662114	500.000	614.22
11 Bromomethane	94	1.776	1.776	(0.372)	280401	500.000	805.53
12 Chloroethane	64	1.855	1.855	(0.389)	371109	500.000	674.44
13 Trichlorofluoromethane	101	2.050	2.050	(0.429)	758367	500.000	531.83
15 Acrolein	56	2.354	2.354	(0.493)	704050	5000.00	4871.5
16 Acetone	43	2.476	2.476	(0.518)	497092	1000.00	995.98
17 1,1-Dichloroethene	96	2.451	2.451	(0.513)	553302	500.000	526.58
18 Freon-113	151	2.464	2.464	(0.516)	395290	500.000	521.15
19 Iodomethane	142	2.573	2.573	(0.539)	762458	500.000	524.23
20 Carbon Disulfide	76	2.634	2.634	(0.552)	1985270	500.000	525.71
21 Methylene Chloride	84	2.816	2.816	(0.590)	689392	500.000	539.38
22 Acetonitrile	41	2.683	2.683	(0.562)	739979	5000.00	4955.2
23 Acrylonitrile	53	2.999	2.999	(0.628)	2109755	5000.00	4825.4

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70951.D
Report Date: 05-Jun-2005 09:07

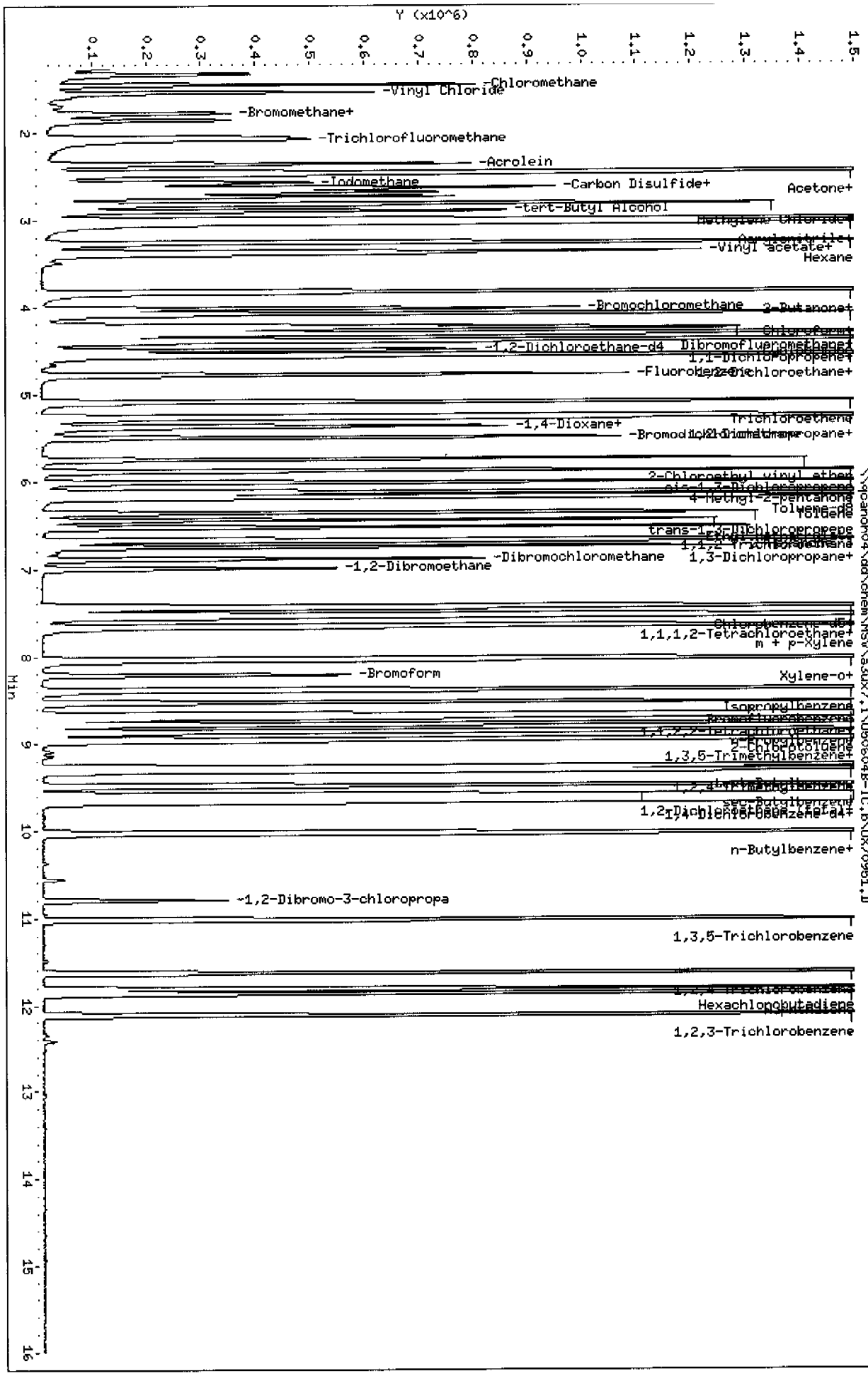
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.041	3.041	(0.637)	1285992	500.000	492.47
25 trans 1,2-Dichloroethene	96	3.041	3.041	(0.637)	689406	500.000	526.88
26 Hexane	86	3.267	3.267	(0.684)	181050	500.000	497.78
27 Vinyl acetate	43	3.400	3.400	(0.712)	952754	500.000	447.27
28 1,1-Dichloroethane	63	3.370	3.370	(0.706)	1178905	500.000	514.53
29 tert-Butyl Alcohol	59	2.895	2.895	(0.606)	811777	10000.0	9307.9
30 2-Butanone	43	3.832	3.832	(0.803)	666576	1000.00	938.14
32 cis-1,2-dichloroethene	96	3.832	3.832	(0.803)	661957	500.000	515.56
33 2,2-Dichloropropane	77	3.838	3.838	(0.804)	618384	500.000	529.96
34 Bromochloromethane	128	4.027	4.027	(0.843)	266016	500.000	503.77
35 Chloroform	83	4.082	4.082	(0.855)	1013648	500.000	513.55
36 Tetrahydrofuran	42	4.076	4.076	(0.854)	173738	500.000	466.28
37 1,1,1-Trichloroethane	97	4.246	4.246	(0.889)	813943	500.000	530.58
38 1,1-Dichloropropene	75	4.380	4.380	(0.917)	869239	500.000	513.43
39 Carbon Tetrachloride	117	4.392	4.392	(0.920)	725406	500.000	514.84
40 1,2-Dichloroethane	62	4.550	4.550	(0.953)	707409	500.000	497.66
41 Benzene	78	4.550	4.550	(0.953)	2677142	500.000	511.34
42 Trichloroethene	130	5.086	5.086	(1.065)	655157	500.000	506.23
43 1,2-Dichloropropane	63	5.262	5.262	(1.102)	644083	500.000	512.45
44 1,4-Dioxane	88	5.378	5.378	(1.126)	243086	25000.0	25196
45 Dibromomethane	93	5.365	5.365	(1.124)	283959	500.000	491.97
46 Bromodichloromethane	83	5.493	5.493	(1.150)	714568	500.000	493.21
48 cis-1,3-Dichloropropene	75	5.876	5.876	(1.231)	878021	500.000	489.02
49 4-Methyl-2 pentanone	43	6.004	6.004	(1.257)	1133836	1000.00	913.01
47 2-Chloroethyl vinyl ether	63	5.743	5.743	(1.203)	570732	1000.00	914.88
50 Toluene	91	6.181	6.181	(0.833)	2776925	500.000	496.95
51 trans-1,3-Dichloropropene	75	6.363	6.363	(0.857)	716980	500.000	476.80
52 Ethyl Methacrylate	69	6.442	6.442	(0.868)	627268	500.000	456.65
53 1,1,2-Trichloroethane	97	6.527	6.527	(0.880)	436950	500.000	484.57
54 1,3-Dichloropropane	76	6.679	6.679	(0.900)	768545	500.000	489.58
55 Tetrachloroethene	164	6.673	6.673	(0.899)	508331	500.000	508.75
56 2-Hexanone	43	6.746	6.746	(0.909)	921199	1000.00	930.42
57 Dibromochloromethane	129	6.886	6.886	(0.928)	458818	500.000	481.86
58 1,2-Dibromoethane	107	6.996	6.996	(0.943)	421460	500.000	477.96
59 Chlorobenzene	112	7.446	7.446	(1.003)	1644612	500.000	499.56
60 1,1,1,2-Tetrachloroethane	131	7.519	7.519	(1.013)	540533	500.000	501.31
61 Ethylbenzene	106	7.549	7.549	(1.017)	1003356	500.000	502.35
62 m + p-Xylene	106	7.659	7.659	(1.032)	2462261	1000.00	1030.1
64 Xylene-o	106	8.030	8.030	(1.082)	1176280	500.000	511.43
65 Styrene	104	8.042	8.042	(1.084)	1964667	500.000	507.67
66 Bromoform	173	8.212	8.212	(1.107)	309738	500.000	482.33
67 Isopropylbenzene	105	8.383	8.383	(1.129)	3000145	500.000	502.07
68 1,1,2,2-Tetrachloroethane	83	8.657	8.657	(0.897)	568313	500.000	476.45
69 1,4-Dichloro-2-butene	53	8.711	8.711	(0.903)	204490	500.000	461.77
70 1,2,3-Trichloropropane	110	8.699	8.699	(0.902)	178396	500.000	469.89
71 Bromobenzene	156	8.675	8.675	(0.899)	647688	500.000	500.99
72 n-Propylbenzene	120	8.778	8.778	(0.910)	860299	500.000	499.36
73 2-Chlorotoluene	126	8.863	8.863	(0.919)	725339	500.000	499.74
74 1,3,5-Trimethylbenzene	105	8.949	8.949	(0.927)	2612836	500.000	500.11
75 4-Chlorotoluene	126	8.967	8.967	(0.929)	717353	500.000	505.74
76 tert-Butylbenzene	119	9.265	9.265	(0.960)	2213173	500.000	483.52
77 1,2,4-Trimethylbenzene	105	9.314	9.314	(0.965)	2663441	500.000	500.62
78 sec-Butylbenzene	105	9.478	9.478	(0.982)	3614571	500.000	494.08
79 4-Isopropyltoluene	119	9.624	9.624	(0.997)	2709984	500.000	498.69

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70951.D
Report Date: 05-Jun-2005 09:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80 1,3 Dichlorobenzene	146	9.587	9.587	(0.994)	1320847	500.000	503.55
81 1,4 Dichlorobenzene	146	9.672	9.672	(1.003)	1353449	500.000	508.76
82 n-Butylbenzene	91	10.025	10.025	(1.039)	2616087	500.000	504.58
83 1,2-Dichlorobenzene	146	10.037	10.037	(1.040)	1192959	500.000	506.54
84 1,2-Dibromo-3-chloropropane	157	10.798	10.798	(1.119)	103637	500.000	461.29
85 1,2,4-Trichlorobenzene	180	11.631	11.631	(1.206)	764291	500.000	510.69
86 Hexachlorobutadiene	225	11.808	11.808	(1.224)	403528	500.000	529.16
87 Naphthalene	128	11.869	11.869	(1.230)	1923251	500.000	506.65
88 1,2,3-Trichlorobenzene	180	12.112	12.112	(1.255)	707814	500.000	524.76
98 Cyclohexane	56	4.307	4.307	(0.902)	1521539	500.000	515.66
143 Methyl Acetate	43	2.731	2.731	(0.572)	886947	1000.00	963.38
144 Methylcyclohexane	83	5.256	5.256	(1.101)	1348806	500.000	517.48
141 1,3,5-Trichlorobenzene	180	11.017	11.017	(1.142)	919463	500.000	514.82

Data File: \\qcanch04\dd\chem\HSV\a3ux7.i\U50604B-IC.b\UX70951.D
Date : 04-JUN-2005 17:41
Client ID:
Sample Info: 500NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux7.i
Operator: 402279
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70952.D
Report Date: 05-Jun-2005 09:07

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70952.D
Lab Smp Id: 250NG-IC
Inj Date : 04-JUN-2005 18:06
Operator : 402279 Inst ID: a3ux7.i
Smp Info : 250NG-IC
Misc Info : U50604B-IC,8260SUX7,1-8260.SUB,402279,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
Meth Date : 05-Jun-2005 09:07 a3ux7.i Quant Type: ISTD
Cal Date : 04-JUN-2005 17:41 Cal File: UX70951.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV09

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
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	4.774	4.774	(1.000)	1076260	250.000	
* 2 Chlorobenzene-d5	117	7.421	7.421	(1.000)	715648	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.647	9.647	(1.000)	366066	250.000	
$ 4 Dibromofluoromethane	113	4.215	4.215	(0.883)	240839	250.000	235.68
$ 5 1,2-Dichloroethane-d4	65	4.488	4.488	(0.940)	268721	250.000	233.49
$ 6 Toluene-d8	98	6.119	6.119	(1.282)	1089876	250.000	229.03
$ 7 Bromofluorobenzene	95	8.528	8.528	(1.149)	387511	250.000	233.73
8 Dichlorodifluoromethane	85	1.337	1.337	(0.280)	260395	250.000	245.64
9 Chloromethane	50	1.459	1.459	(0.306)	386400	250.000	256.13
10 Vinyl Chloride	62	1.544	1.544	(0.323)	343320	250.000	263.65
11 Bromomethane	94	1.787	1.787	(0.374)	167595	250.000	340.16
12 Chloroethane	64	1.860	1.860	(0.390)	197494	250.000	281.88
13 Trichlorofluoromethane	101	2.049	2.049	(0.429)	374049	250.000	234.49
15 Acrolein	56	2.359	2.359	(0.494)	375544	2500.00	2427.9
16 Acetone	43	2.469	2.469	(0.517)	246139	500.000	455.80
17 1,1 Dichloroethene	96	2.450	2.450	(0.513)	273943	250.000	234.25
18 Freon-113	151	2.463	2.463	(0.516)	203391	250.000	242.21
19 Iodomethane	142	2.572	2.572	(0.539)	411519	250.000	254.80
20 Carbon Disulfide	76	2.633	2.633	(0.552)	1108494	250.000	263.96
21 Methylene Chloride	84	2.815	2.815	(0.590)	366896	250.000	254.74
22 Acetonitrile	41	2.682	2.682	(0.562)	390680	2500.00	2423.9
23 Acrylonitrile	53	2.998	2.998	(0.628)	1104423	2500.00	2371.3

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70952.D
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Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.041	3.041	(0.637)	666502	250.000	237.21
25 trans-1,2-Dichloroethene	96	3.041	3.041	(0.637)	354448	250.000	243.32
26 Hexane	86	3.266	3.266	(0.684)	92414	250.000	234.88
27 Vinyl acetate	43	3.399	3.399	(0.712)	498483	250.000	227.86
28 1,1-Dichloroethane	63	3.369	3.369	(0.706)	618464	250.000	245.41
29 tert-Butyl Alcohol	59	2.895	2.895	(0.606)	428140	5000.00	4690.3
30 2-Butanone	43	3.831	3.831	(0.803)	340767	500.000	456.48
32 cis-1,2-dichloroethene	96	3.831	3.831	(0.803)	348138	250.000	246.26
33 2,2-Dichloropropane	77	3.837	3.837	(0.804)	325786	250.000	250.03
34 Bromochloromethane	128	4.020	4.020	(0.842)	143889	250.000	250.39
35 Chloroform	83	4.087	4.087	(0.856)	528531	250.000	243.68
36 Tetrahydrofuran	42	4.075	4.075	(0.853)	93855	250.000	240.44
37 1,1,1-Trichloroethane	97	4.251	4.251	(0.890)	425736	250.000	248.38
38 1,1-Dichloropropene	75	4.385	4.385	(0.918)	453034	250.000	243.55
39 Carbon Tetrachloride	117	4.391	4.391	(0.920)	372836	250.000	240.50
40 1,2-Dichloroethane	62	4.549	4.549	(0.953)	372777	250.000	242.46
41 Benzene	78	4.549	4.549	(0.953)	1403720	250.000	244.53
42 Trichloroethene	130	5.085	5.085	(1.065)	337527	250.000	239.07
43 1,2 Dichloropropane	63	5.261	5.261	(1.102)	345609	250.000	250.51
44 1,4-Dioxane	88	5.377	5.377	(1.126)	122943	12500.0	11708
45 Dibromomethane	93	5.364	5.364	(1.124)	149436	250.000	240.74
46 Bromodichloromethane	83	5.492	5.492	(1.150)	375487	250.000	240.68
48 cis-1,3-Dichloropropene	75	5.881	5.881	(1.232)	455657	250.000	236.68
49 4-Methyl-2-pentanone	43	6.003	6.003	(1.257)	581027	500.000	451.17
47 2-Chloroethyl vinyl ether	63	5.742	5.742	(1.203)	300559	500.000	464.15
50 Toluene	91	6.180	6.180	(0.833)	1446543	250.000	242.66
51 trans-1,3-Dichloropropene	75	6.362	6.362	(0.857)	372972	250.000	237.30
52 Ethyl Methacrylate	69	6.441	6.441	(0.868)	316798	250.000	225.29
53 1,1,2-Trichloroethane	97	6.526	6.526	(0.879)	233716	250.000	246.01
54 1,3-Dichloropropane	76	6.678	6.678	(0.900)	406477	250.000	244.53
55 Tetrachloroethene	164	6.678	6.678	(0.900)	260801	250.000	241.81
56 2-Hexanone	43	6.745	6.745	(0.909)	482650	500.000	471.98
57 Dibromochloromethane	129	6.885	6.885	(0.928)	245733	250.000	245.63
58 1,2-Dibromoethane	107	6.995	6.995	(0.943)	220942	250.000	239.43
59 Chlorobenzene	112	7.445	7.445	(1.003)	857144	250.000	243.42
60 1,1,1,2-Tetrachloroethane	131	7.518	7.518	(1.013)	280171	250.000	242.51
61 Ethylbenzene	106	7.548	7.548	(1.017)	507883	250.000	237.07
62 m + p-Xylene	106	7.658	7.658	(1.032)	1257337	500.000	484.29
64 Xylene-o	106	8.035	8.035	(1.083)	602486	250.000	242.03
65 Styrene	104	8.041	8.041	(1.084)	1002803	250.000	240.31
66 Bromoform	173	8.211	8.211	(1.107)	159180	250.000	235.81
67 Isopropylbenzene	105	8.382	8.382	(1.130)	1486064	250.000	231.93
68 1,1,2,2-Tetrachloroethane	83	8.656	8.656	(0.897)	295799	250.000	236.61
69 1,4-Dichloro 2-butene	53	8.710	8.710	(0.903)	99074	250.000	216.72
70 1,2,3-Trichloropropane	110	8.698	8.698	(0.902)	94106	250.000	238.11
71 Bromobenzene	156	8.674	8.674	(0.899)	330321	250.000	237.81
72 n-Propylbenzene	120	8.777	8.777	(0.910)	440181	250.000	238.20
73 2-Chlorotoluene	126	8.862	8.862	(0.919)	366617	250.000	235.39
74 1,3,5-Trimethylbenzene	105	8.948	8.948	(0.927)	1326772	250.000	236.57
75 4-Chlorotoluene	126	8.966	8.966	(0.929)	370718	250.000	242.11
76 tert-Butylbenzene	119	9.264	9.264	(0.960)	1097602	250.000	227.16
77 1,2,4-Trimethylbenzene	105	9.313	9.313	(0.965)	1325391	250.000	231.96
78 sec-Butylbenzene	105	9.483	9.483	(0.983)	1803333	250.000	231.02
79 4-Isopropyltoluene	119	9.623	9.623	(0.997)	1342845	250.000	230.53

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70952.D
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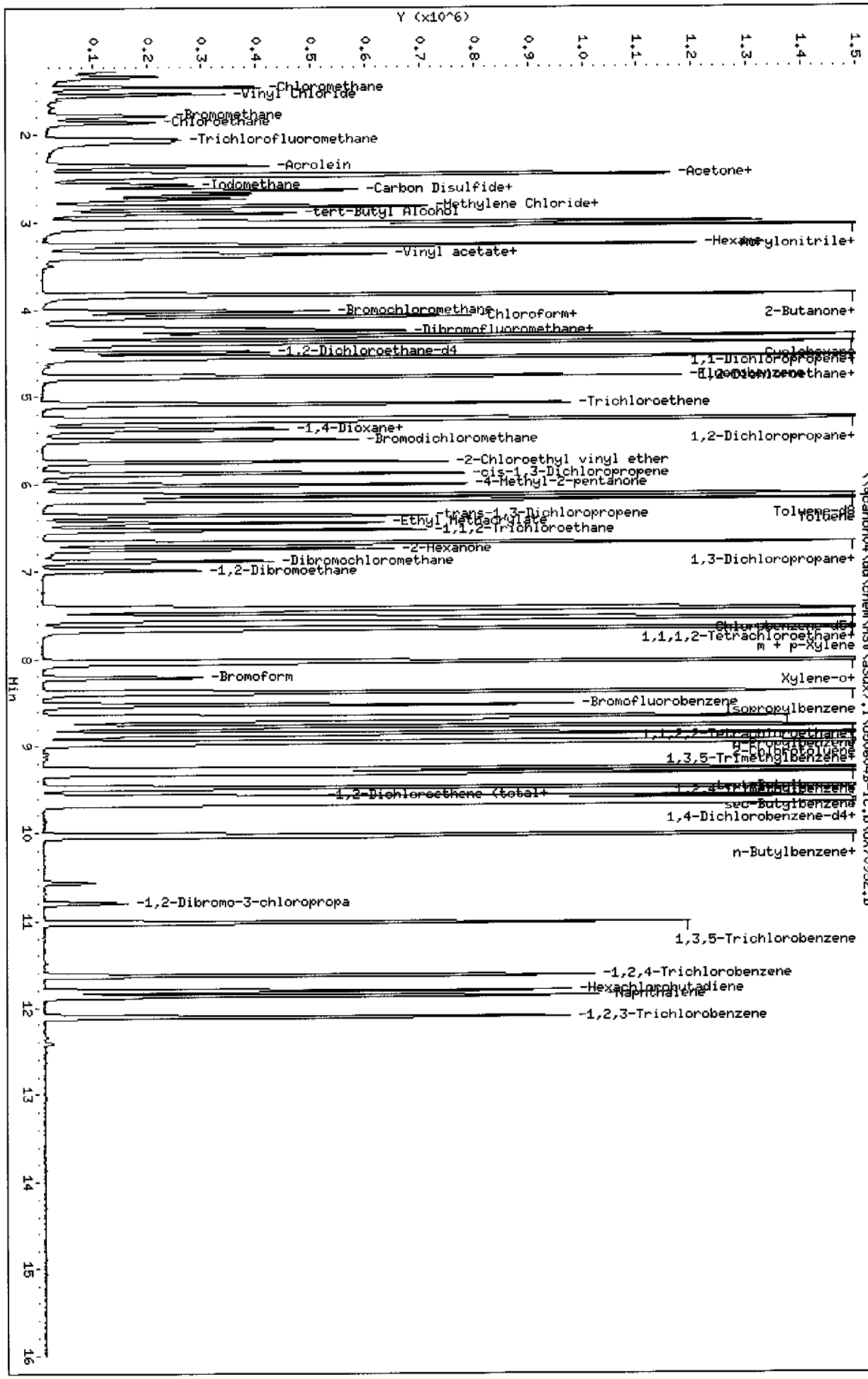
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80 1,3 Dichlorobenzene	146	9.586	9.586	(0.994)	663415	250.000	234.80
81 1,4-Dichlorobenzene	146	9.671	9.671	(1.003)	675834	250.000	234.63
82 n-Butylbenzene	91	10.024	10.024	(1.039)	1276972	250.000	228.42
83 1,2-Dichlorobenzene	146	10.037	10.037	(1.040)	613395	250.000	241.08
84 1,2-Dibromo-3-chloropropane	157	10.797	10.797	(1.119)	50680	250.000	218.63
85 1,2,4-Trichlorobenzene	180	11.630	11.630	(1.206)	361389	250.000	222.60
86 Hexachlorobutadiene	225	11.807	11.807	(1.224)	212703	250.000	252.50
87 Naphthalene	128	11.868	11.868	(1.230)	892426	250.000	217.58
88 1,2,3-Trichlorobenzene	180	12.111	12.111	(1.255)	352073	250.000	237.31
98 Cyclohexane	56	4.306	4.306	(0.902)	775750	250.000	238.76
143 Methyl Acetate	43	2.730	2.730	(0.572)	464666	500.000	474.21
144 Methylcyclohexane	83	5.255	5.255	(1.101)	677526	250.000	235.64
141 1,3,5-Trichlorobenzene	180	11.016	11.016	(1.142)	444687	250.000	228.59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Date : 04-JUN-2005 18:06
Client ID:
Sample Info: 250NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux7.i
Operator: 402279
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide+
-Methylene Chloride+
-tert-Butyl Alcohol
-Hexane
-Acrylonitrile+
-Vinyl acetate+
-Bromochloromethane
-Chloroform+
2-Butanone+
-Dibromofluoromethane+
-1,2-Dichloroethane-d4
Cyclohexane
1,1-Dichloropropene+
-Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-trans-1,3-Dichloropropene
Toluene-d8
Toluene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
-Bromofluorobenzene
Isopropylbenzene
1,3,5-Trimethylbenzene+
-1,2-Dichloroethene (total+
sec-Butylbenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
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Report Date: 05-Jun-2005 09:07

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70953.D
Lab Smp Id: 100NG-IC
Inj Date : 04-JUN-2005 18:30
Operator : 402279 Inst ID: a3ux7.i
Smp Info : 100NG-IC
Misc Info : U50604B-IC,8260SUX7,1-8260.SUB,402279,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
Meth Date : 05-Jun-2005 09:07 a3ux7.i Quant Type: ISTD
Cal Date : 04-JUN-2005 18:06 Cal File: UX70952.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV09

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
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	4.777	4.777	(1.000)	1019479	250.000	
* 2 Chlorobenzene-d5	117	7.423	7.423	(1.000)	646129	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.650	9.650	(1.000)	329416	250.000	
$ 4 Dibromofluoromethane	113	4.211	4.211	(0.882)	102360	100.000	107.80
$ 5 1,2-Dichloroethane-d4	65	4.491	4.491	(0.940)	115061	100.000	107.92
$ 6 Toluene-d8	98	6.121	6.121	(1.281)	435123	100.000	99.308
$ 7 Bromofluorobenzene	95	8.524	8.524	(1.148)	149208	100.000	101.89
8 Dichlorodifluoromethane	85	1.340	1.340	(0.281)	101925	100.000	102.10
9 Chloromethane	50	1.461	1.461	(0.306)	149308	100.000	103.64
10 Vinyl Chloride	62	1.547	1.547	(0.324)	136390	100.000	108.60
11 Bromomethane	94	1.796	1.796	(0.376)	63877	100.000	122.18
12 Chloroethane	64	1.869	1.869	(0.391)	71237	100.000	102.96
13 Trichlorofluoromethane	101	2.051	2.051	(0.430)	122468	100.000	82.761
15 Acrolein	56	2.356	2.356	(0.493)	149806	1000.00	1032.4
16 Acetone	43	2.477	2.477	(0.519)	107907	200.000	217.36
17 1,1-Dichloroethene	96	2.459	2.459	(0.515)	99125	100.000	91.402
18 Freon-113	151	2.471	2.471	(0.517)	73764	100.000	93.709
19 Iodomethane	142	2.575	2.575	(0.539)	160975	100.000	104.55
20 Carbon Disulfide	76	2.635	2.635	(0.552)	404250	100.000	99.767
21 Methylene Chloride	84	2.818	2.818	(0.590)	166266	100.000	121.10
22 Acetonitrile	41	2.684	2.684	(0.562)	161229	1000.00	1066.8
23 Acrylonitrile	53	3.001	3.001	(0.628)	441323	1000.00	1017.8

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70953.D
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Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.043	3.043	(0.637)	234431	100.000	89.609
25 trans-1,2-Dichloroethene	96	3.043	3.043	(0.637)	124858	100.000	91.298
26 Hexane	86	3.268	3.268	(0.684)	32399	100.000	88.720
27 Vinyl acetate	43	3.402	3.402	(0.712)	180337	100.000	89.672
28 1,1-Dichloroethane	63	3.372	3.372	(0.706)	223629	100.000	94.256
29 tert-Butyl Alcohol	59	2.897	2.897	(0.607)	149685	2000.00	1767.6
30 2-Butanone	43	3.834	3.834	(0.803)	133960	200.000	195.10
32 cis-1,2-dichloroethene	96	3.834	3.834	(0.803)	120304	100.000	90.290
33 2,2-Dichloropropane	77	3.840	3.840	(0.804)	113439	100.000	91.907
34 Bromochloromethane	128	4.023	4.023	(0.842)	51618	100.000	94.778
35 Chloroform	83	4.083	4.083	(0.855)	189805	100.000	93.170
36 Tetrahydrofuran	42	4.071	4.071	(0.852)	37523	100.000	102.79
37 1,1,1-Trichloroethane	97	4.248	4.248	(0.889)	144066	100.000	88.924
38 1,1-Dichloropropene	75	4.381	4.381	(0.917)	150278	100.000	86.028
39 Carbon Tetrachloride	117	4.394	4.394	(0.920)	130127	100.000	89.751
40 1,2-Dichloroethane	62	4.552	4.552	(0.953)	131607	100.000	91.283
41 Benzene	78	4.552	4.552	(0.953)	492497	100.000	91.237
42 Trichloroethene	130	5.087	5.087	(1.065)	118621	100.000	90.009
43 1,2-Dichloropropane	63	5.264	5.264	(1.102)	116859	100.000	89.360
44 1,4-Dioxane	88	5.385	5.385	(1.127)	38742	5000.00	3979.0
45 Dibromomethane	93	5.361	5.361	(1.122)	51548	100.000	88.764
46 Bromodichloromethane	83	5.495	5.495	(1.150)	127841	100.000	87.597
48 cis-1,3-Dichloropropene	75	5.878	5.878	(1.230)	147802	100.000	82.513
49 4-Methyl-2-pentanone	43	6.006	6.006	(1.257)	207235	200.000	175.60
47 2-Chloroethyl vinyl ether	63	5.744	5.744	(1.202)	99593	200.000	166.34
50 Toluene	91	6.182	6.182	(0.833)	487497	100.000	91.472
51 trans-1,3-Dichloropropene	75	6.365	6.365	(0.857)	122695	100.000	87.951
52 Ethyl Methacrylate	69	6.444	6.444	(0.868)	98733	100.000	80.419
53 1,1,2-Trichloroethane	97	6.523	6.523	(0.879)	82293	100.000	96.455
54 1,3-Dichloropropane	76	6.675	6.675	(0.899)	140178	100.000	94.088
55 Tetrachloroethene	164	6.675	6.675	(0.899)	93301	100.000	96.872
56 2-Hexanone	43	6.748	6.748	(0.909)	166729	200.000	184.02
57 Dibromochloromethane	129	6.882	6.882	(0.927)	82711	100.000	92.109
58 1,2-Dibromoethane	107	6.991	6.991	(0.942)	77141	100.000	93.915
59 Chlorobenzene	112	7.448	7.448	(1.003)	287102	100.000	91.106
60 1,1,1,2-Tetrachloroethane	131	7.521	7.521	(1.013)	93822	100.000	90.856
61 Ethylbenzene	106	7.551	7.551	(1.017)	164095	100.000	86.327
62 m + p-Xylene	106	7.660	7.660	(1.032)	418298	200.000	180.34
64 Xylene-o	106	8.032	8.032	(1.082)	192594	100.000	86.614
65 Styrene	104	8.044	8.044	(1.084)	324942	100.000	87.376
66 Bromoform	173	8.214	8.214	(1.107)	54497	100.000	91.144
67 Isopropylbenzene	105	8.384	8.384	(1.129)	460263	100.000	81.525
68 1,1,2,2-Tetrachloroethane	83	8.652	8.652	(0.897)	101253	100.000	91.640
69 1,4-Dichloro-2-butene	53	8.713	8.713	(0.903)	34359	100.000	87.400
70 1,2,3-Trichloropropane	110	8.695	8.695	(0.901)	31878	100.000	91.076
71 Bromobenzene	156	8.676	8.676	(0.899)	113797	100.000	92.546
72 n-Propylbenzene	120	8.780	8.780	(0.910)	143321	100.000	87.563
73 2-Chlorotoluene	126	8.859	8.859	(0.918)	123839	100.000	90.114
74 1,3,5-Trimethylbenzene	105	8.950	8.950	(0.927)	424135	100.000	85.572
75 4-Chlorotoluene	126	8.962	8.962	(0.929)	125851	100.000	92.307
76 tert-Butylbenzene	119	9.266	9.266	(0.960)	348127	100.000	82.578
77 1,2,4-Trimethylbenzene	105	9.309	9.309	(0.965)	431664	100.000	86.020
78 sec-Butylbenzene	105	9.479	9.479	(0.982)	570536	100.000	83.332
79 4-Isopropyltoluene	119	9.625	9.625	(0.997)	421866	100.000	82.625

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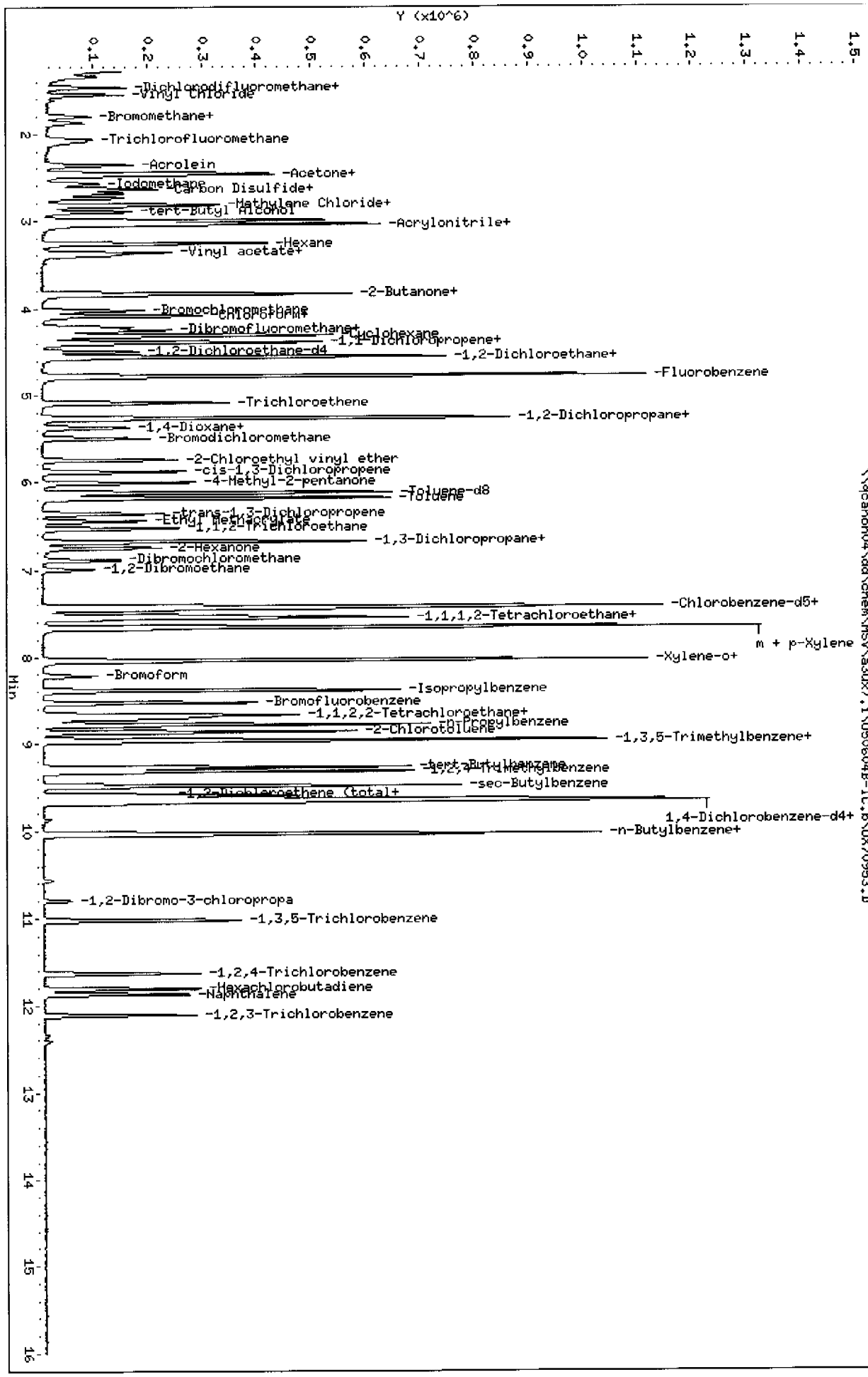
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80 1,3-Dichlorobenzene	146	9.583	9.583	(0.993)	217041	100.000	87.129
81 1,4-Dichlorobenzene	146	9.668	9.668	(1.002)	229070	100.000	90.224
82 n-Butylbenzene	91	10.027	10.027	(1.039)	389094	100.000	79.635
83 1,2-Dichlorobenzene	146	10.039	10.039	(1.040)	209241	100.000	92.487
84 1,2 Dibromo-3-chloropropane	157	10.800	10.800	(1.119)	16874	100.000	84.423
85 1,2,4 Trichlorobenzene	180	11.627	11.627	(1.205)	102349	100.000	72.712
86 Hexachlorobutadiene	225	11.809	11.809	(1.224)	65677	100.000	86.353
87 Naphthalene	128	11.870	11.870	(1.230)	237655	100.000	67.298
88 1,2,3-Trichlorobenzene	180	12.114	12.114	(1.255)	101706	100.000	77.492
98 Cyclohexane	56	4.308	4.308	(0.902)	253618	100.000	83.660
143 Methyl Acetate	43	2.733	2.733	(0.572)	182769	200.000	200.36
144 Methylcyclohexane	83	5.257	5.257	(1.101)	226566	100.000	84.811
141 1,3,5-Trichlorobenzene	180	11.019	11.019	(1.142)	134581	100.000	79.136

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70953.D
Date : 04-JUN-2005 18:30
Client ID:
Sample Info: 100NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux7.i
Operator: 402279
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70954.D
Report Date: 05-Jun-2005 09:07

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70954.D
Lab Smp Id: 50NG-IC
Inj Date : 04-JUN-2005 18:55
Operator : 402279 Inst ID: a3ux7.i
Smp Info : 50NG-IC
Misc Info : U50604B-IC,8260SUX7,1-8260.SUB,402279,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
Meth Date : 05-Jun-2005 09:07 a3ux7.i Quant Type: ISTD
Cal Date : 04-JUN-2005 18:30 Cal File: UX70953.D
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV09

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

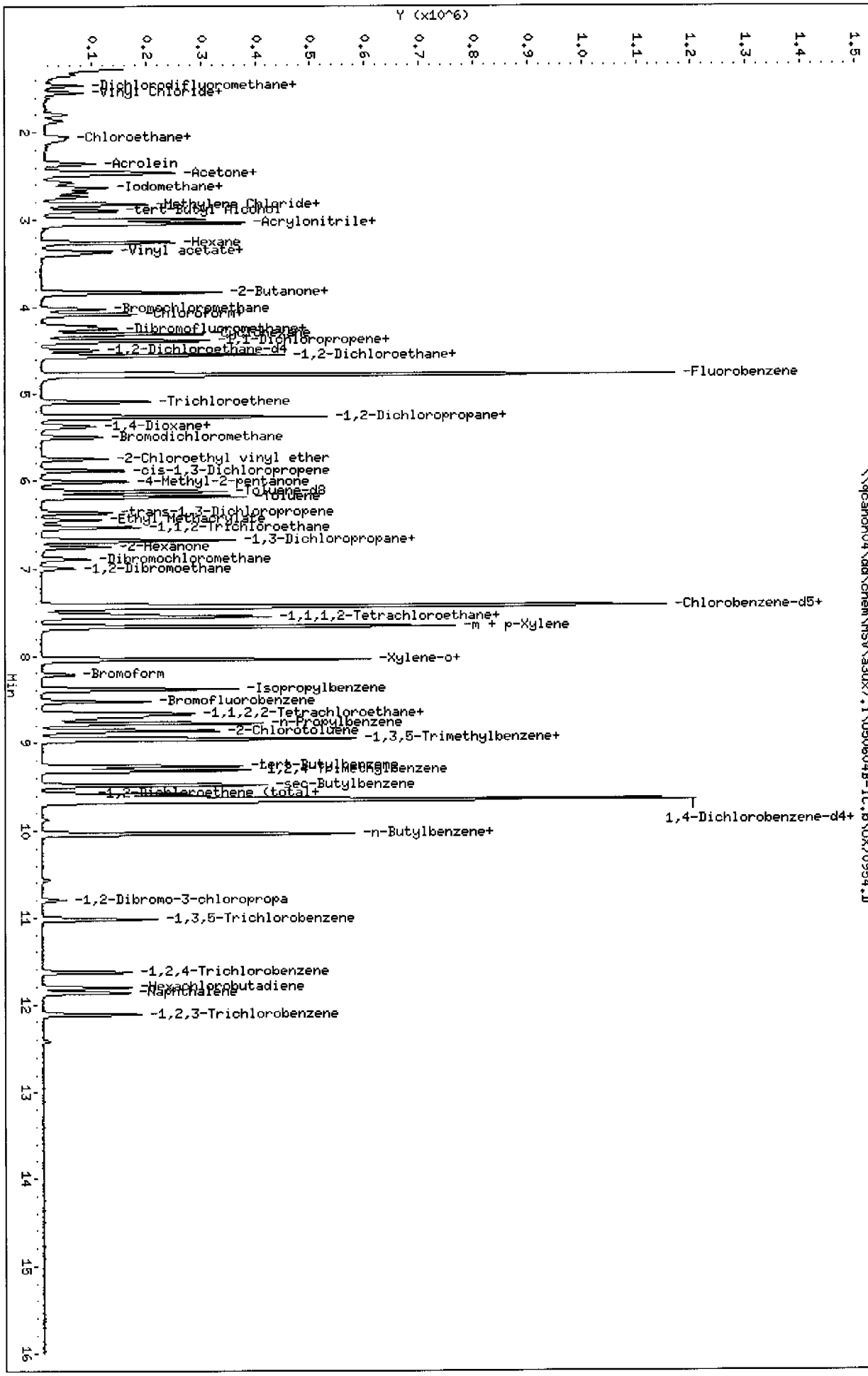
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.774	4.774	(1.000)	1060011	250.000	
* 2 Chlorobenzene-d5	117	7.420	7.420	(1.000)	684247	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.646	9.646	(1.000)	340155	250.000	
$ 4 Dibromofluoromethane	113	4.214	4.214	(0.883)	58871	50.0000	58.490
$ 5 1,2-Dichloroethane-d4	65	4.494	4.494	(0.941)	69153	50.0000	61.170
$ 6 Toluene-d8	98	6.124	6.124	(1.283)	239162	50.0000	52.588
$ 7 Bromofluorobenzene	95	8.521	8.521	(1.148)	82176	50.0000	52.740
8 Dichlorodifluoromethane	85	1.343	1.343	(0.281)	47833	50.0000	45.842
9 Chloromethane	50	1.458	1.458	(0.306)	73072	50.0000	48.341
10 Vinyl Chloride	62	1.543	1.543	(0.323)	68206	50.0000	51.132
11 Bromomethane	94	1.793	1.793	(0.376)	30423	50.0000	53.026
12 Chloroethane	64	1.866	1.866	(0.391)	37614	50.0000	51.902
13 Trichlorofluoromethane	101	2.054	2.054	(0.430)	59645	50.0000	40.512
15 Acrolein	56	2.359	2.359	(0.494)	83317	500.000	547.78
16 Acetone	43	2.474	2.474	(0.518)	74230	100.000	140.75
17 1,1-Dichloroethene	96	2.450	2.450	(0.513)	60415	50.0000	54.755
18 Freon 113	151	2.468	2.468	(0.517)	40649	50.0000	50.459
19 Iodomethane	142	2.578	2.578	(0.540)	91120	50.0000	56.279
20 Carbon Disulfide	76	2.632	2.632	(0.551)	229388	50.0000	54.479
21 Methylene Chloride	84	2.821	2.821	(0.591)	101460	50.0000	67.514
22 Acetonitrile	41	2.681	2.681	(0.562)	93782	500.000	587.02
23 Acrylonitrile	53	2.997	2.997	(0.628)	249080	500.000	550.03

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70954.D
Report Date: 05-Jun-2005 09:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.046	3.046	(0.638)	149005	50.0000	56.239
25 trans-1,2-Dichloroethene	96	3.040	3.040	(0.637)	75627	50.0000	54.368
26 Hexane	86	3.265	3.265	(0.684)	16653	50.0000	45.131
27 Vinyl acetate	43	3.399	3.399	(0.712)	94155	50.0000	46.221
28 1,1-Dichloroethane	63	3.368	3.368	(0.706)	135002	50.0000	55.522
29 tert-Butyl Alcohol	59	2.900	2.900	(0.608)	135175	1000.00	1581.2
30 2-Butanone	43	3.837	3.837	(0.804)	79844	100.000	112.53
32 cis 1,2-dichloroethene	96	3.831	3.831	(0.802)	70664	50.0000	52.275
33 2,2-Dichloropropane	77	3.837	3.837	(0.804)	66495	50.0000	52.883
34 Bromochloromethane	128	4.025	4.025	(0.843)	30246	50.0000	54.119
35 Chloroform	83	4.086	4.086	(0.856)	114637	50.0000	55.060
36 Tetrahydrofuran	42	4.074	4.074	(0.853)	27161	50.0000	71.065
37 1,1,1-Trichloroethane	97	4.250	4.250	(0.890)	87151	50.0000	53.210
38 1,1-Dichloropropene	75	4.384	4.384	(0.918)	91528	50.0000	52.216
39 Carbon Tetrachloride	117	4.390	4.390	(0.920)	76437	50.0000	52.038
40 1,2-Dichloroethane	62	4.555	4.555	(0.954)	82840	50.0000	56.492
41 Benzene	78	4.549	4.549	(0.953)	295651	50.0000	53.856
42 Trichloroethene	130	5.084	5.084	(1.065)	70987	50.0000	53.132
43 1,2-Dichloropropane	63	5.266	5.266	(1.103)	71117	50.0000	53.732
44 1,4-Dioxane	88	5.382	5.382	(1.127)	29455	2500.00	3066.0
45 Dibromomethane	93	5.364	5.364	(1.124)	32399	50.0000	55.208
46 Bromodichloromethane	83	5.491	5.491	(1.150)	78871	50.0000	53.639
48 cis-1,3-Dichloropropene	75	5.881	5.881	(1.232)	87616	50.0000	49.193
49 4-Methyl-2-pentanone	43	6.009	6.009	(1.259)	122695	100.000	103.13
47 2-Chloroethyl vinyl ether	63	5.747	5.747	(1.204)	51955	100.000	87.123
50 Toluene	91	6.179	6.179	(0.833)	286978	50.0000	51.955
51 trans-1,3-Dichloropropene	75	6.361	6.361	(0.857)	73706	50.0000	51.440
52 Ethyl Methacrylate	69	6.441	6.441	(0.868)	60963	50.0000	49.302
53 1,1,2-Trichloroethane	97	6.526	6.526	(0.879)	53839	50.0000	60.122
54 1,3-Dichloropropane	76	6.678	6.678	(0.900)	89171	50.0000	57.366
55 Tetrachloroethene	164	6.678	6.678	(0.900)	54983	50.0000	54.332
56 2-Hexanone	43	6.751	6.751	(0.910)	103128	100.000	109.67
57 Dibromochloromethane	129	6.885	6.885	(0.928)	52401	50.0000	56.213
58 1,2-Dibromoethane	107	6.994	6.994	(0.943)	48857	50.0000	57.035
59 Chlorobenzene	112	7.450	7.450	(1.004)	175865	50.0000	53.897
60 1,1,1,2-Tetrachloroethane	131	7.523	7.523	(1.014)	58879	50.0000	55.101
61 Ethylbenzene	106	7.548	7.548	(1.017)	96524	50.0000	49.648
62 m + p-Xylene	106	7.657	7.657	(1.032)	241636	100.000	100.85
64 Xylene-o	106	8.034	8.034	(1.083)	112402	50.0000	49.387
65 Styrene	104	8.040	8.040	(1.084)	184527	50.0000	48.382
66 Bromoform	173	8.217	8.217	(1.107)	35268	50.0000	56.959
67 Isopropylbenzene	105	8.381	8.381	(1.130)	255060	50.0000	44.727
68 1,1,2,2-Tetrachloroethane	83	8.655	8.655	(0.897)	73402	50.0000	65.709
69 1,4 Dichloro-2-butene	53	8.710	8.710	(0.903)	21447	50.0000	54.551
70 1,2,3-Trichloropropane	110	8.697	8.697	(0.902)	22192	50.0000	62.802
71 Bromobenzene	156	8.673	8.673	(0.899)	66386	50.0000	53.277
72 n-Propylbenzene	120	8.777	8.777	(0.910)	79596	50.0000	48.606
73 2-Chlorotoluene	126	8.862	8.862	(0.919)	69511	50.0000	50.226
74 1,3,5-Trimethylbenzene	105	8.947	8.947	(0.927)	235104	50.0000	47.655
75 4 Chlorotoluene	126	8.959	8.959	(0.929)	71452	50.0000	51.748
76 tert-Butylbenzene	119	9.263	9.263	(0.960)	188499	50.0000	45.274
77 1,2,4-Trimethylbenzene	105	9.312	9.312	(0.965)	236897	50.0000	47.373
78 sec-Butylbenzene	105	9.482	9.482	(0.983)	314414	50.0000	46.407
79 4-Isopropyltoluene	119	9.622	9.622	(0.997)	232958	50.0000	46.192

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70954.D
Report Date: 05-Jun-2005 09:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80 1,3-Dichlorobenzene	146	9.586	9.586	(0.994)	128136	50.0000	51.471
81 1,4-Dichlorobenzene	146	9.671	9.671	(1.003)	135322	50.0000	52.910
82 n-Butylbenzene	91	10.024	10.024	(1.039)	208648	50.0000	43.574
83 1,2-Dichlorobenzene	146	10.036	10.036	(1.040)	125863	50.0000	54.908
84 1,2-Dibromo-3-chloropropane	157	10.796	10.796	(1.119)	13471	50.0000	67.914
85 1,2,4-Trichlorobenzene	180	11.630	11.630	(1.206)	59498	50.0000	43.932
86 Hexachlorobutadiene	225	11.806	11.806	(1.224)	39649	50.0000	52.268
87 Naphthalene	128	11.867	11.867	(1.230)	152279	50.0000	45.479
88 1,2,3-Trichlorobenzene	180	12.110	12.110	(1.255)	66690	50.0000	52.142
98 Cyclohexane	56	4.305	4.305	(0.902)	142094	50.0000	46.999
143 Methyl Acetate	43	2.736	2.736	(0.573)	103352	100.000	108.92
144 Methylcyclohexane	83	5.260	5.260	(1.102)	124509	50.0000	46.595
141 1,3,5-Trichlorobenzene	180	11.021	11.021	(1.143)	78620	50.0000	47.234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Date : 04-JUN-2005 18:55
Client ID:
Sample Info: 50NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux7.i
Operator: 402279
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride+
-Chloroethane+
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride+
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Methacrylonitrile
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane+
-m + p-Xylene
-Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-1,2-Dichloroethene (total)+
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
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Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70955.D
Report Date: 05-Jun-2005 09:07

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70955.D
Lab Smp Id: 25NG-IC
Inj Date : 04-JUN-2005 19:19
Operator : 402279 Inst ID: a3ux7.i
Smp Info : 25NG-IC
Misc Info : U50604B-IC,8260SUX7,1-8260.SUB,402279,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
Meth Date : 05-Jun-2005 09:07 a3ux7.i Quant Type: ISTD
Cal Date : 04-JUN-2005 18:55 Cal File: UX70954.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV09

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
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	4.774	4.774	(1.000)	960004	250.000	
* 2 Chlorobenzene-d5	117	7.420	7.420	(1.000)	623931	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.646	9.646	(1.000)	309435	250.000	
$ 4 Dibromofluoromethane	113	4.214	4.214	(0.883)	29026	25.0000	30.797
$ 5 1,2-Dichloroethane-d4	65	4.494	4.494	(0.941)	33332	25.0000	31.163
$ 6 Toluene-d8	98	6.118	6.118	(1.282)	112434	25.0000	27.018
$ 7 Bromofluorobenzene	95	8.527	8.527	(1.149)	40677	25.0000	28.319
8 Dichlorodifluoromethane	85	1.336	1.336	(0.280)	27378	25.0000	29.462
9 Chloromethane	50	1.458	1.458	(0.306)	40433	25.0000	29.732
10 Vinyl Chloride	62	1.543	1.543	(0.323)	35057	25.0000	28.888
11 Bromomethane	94	1.793	1.793	(0.376)	18821	25.0000	35.788
12 Chloroethane	64	1.866	1.866	(0.391)	20152	25.0000	30.472
13 Trichlorofluoromethane	101	2.054	2.054	(0.430)	30800	25.0000	24.010
15 Acrolein	56	2.358	2.358	(0.494)	41334	250.000	294.44
16 Acetone	43	2.474	2.474	(0.518)	37058	50.0000	71.740
17 1,1 Dichloroethene	96	2.456	2.456	(0.515)	29525	25.0000	28.995
18 Freon-113	151	2.462	2.462	(0.516)	23140	25.0000	31.659
19 Iodomethane	142	2.571	2.571	(0.539)	46005	25.0000	30.606
20 Carbon Disulfide	76	2.632	2.632	(0.551)	118583	25.0000	30.550
21 Methylene Chloride	84	2.821	2.821	(0.591)	62131	25.0000	42.662
22 Acetonitrile	41	2.687	2.687	(0.563)	47651	250.000	318.26
23 Acrylonitrile	53	2.997	2.997	(0.628)	119088	250.000	284.67

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70955.D
Report Date: 05-Jun-2005 09:07

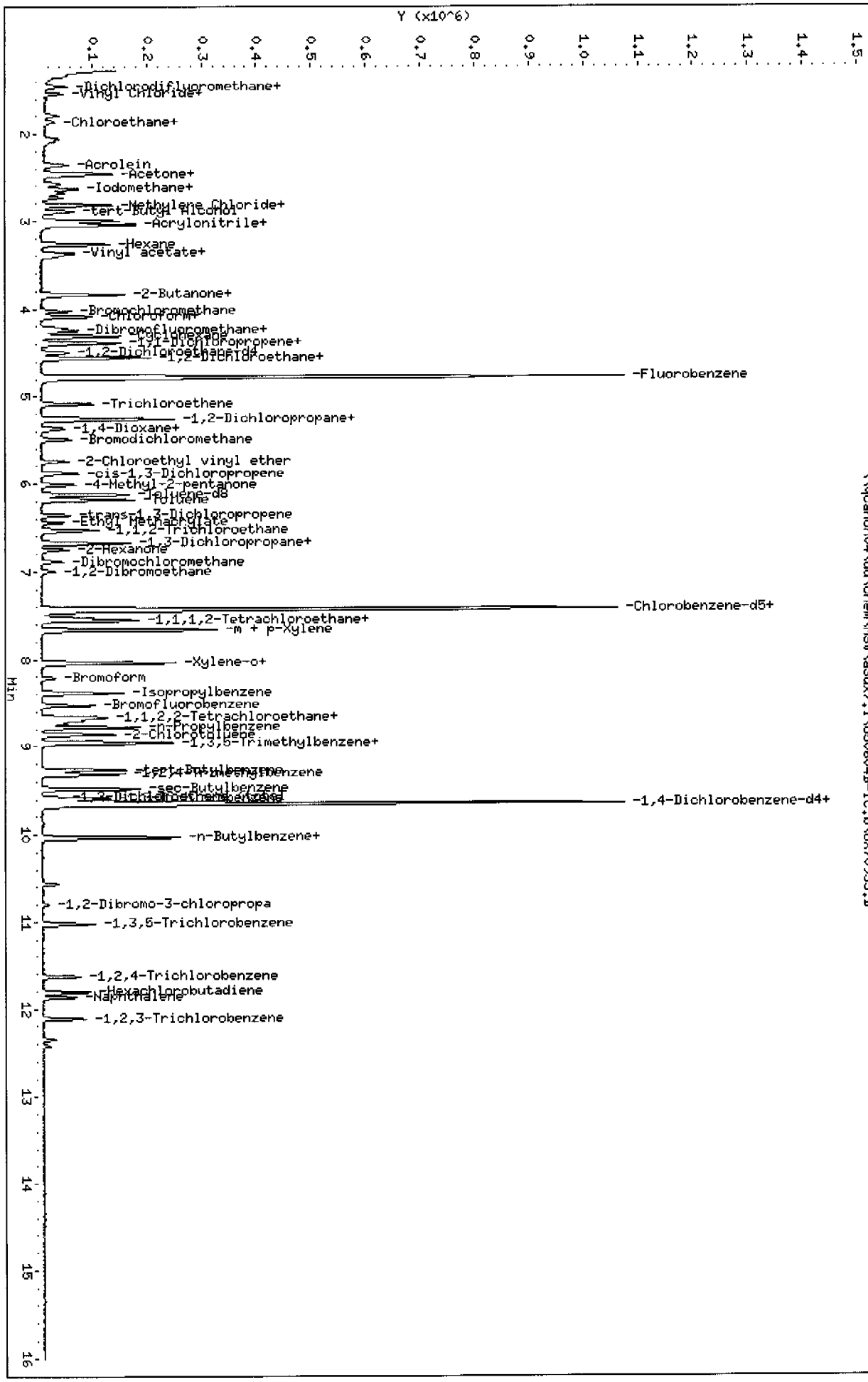
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.046	3.046	(0.638)	63690	25.0000	25.896
25 trans-1,2-Dichloroethene	96	3.040	3.040	(0.637)	35967	25.0000	28.060
26 Hexane	86	3.265	3.265	(0.684)	8273	25.0000	25.248
27 Vinyl acetate	43	3.399	3.399	(0.712)	43785	25.0000	24.098
28 1,1-Dichloroethane	63	3.368	3.368	(0.706)	61369	25.0000	27.266
29 tert-Butyl Alcohol	59	2.894	2.894	(0.606)	49886	500.000	577.22
30 2-Butanone	43	3.837	3.837	(0.804)	36825	50.0000	55.906
32 cis-1,2-dichloroethene	96	3.831	3.831	(0.802)	33321	25.0000	26.972
33 2,2-Dichloropropane	77	3.837	3.837	(0.804)	31497	25.0000	27.344
34 Bromochloromethane	128	4.025	4.025	(0.843)	14281	25.0000	27.757
35 Chloroform	83	4.086	4.086	(0.856)	54881	25.0000	28.528
36 Tetrahydrofuran	42	4.074	4.074	(0.853)	15434	25.0000	41.124
37 1,1,1-Trichloroethane	97	4.250	4.250	(0.890)	43619	25.0000	29.033
38 1,1-Dichloropropene	75	4.384	4.384	(0.918)	41487	25.0000	25.904
39 Carbon Tetrachloride	117	4.390	4.390	(0.920)	36908	25.0000	27.520
40 1,2-Dichloroethane	62	4.555	4.555	(0.954)	38400	25.0000	28.183
41 Benzene	78	4.549	4.549	(0.953)	136180	25.0000	26.975
42 Trichloroethene	130	5.084	5.084	(1.065)	34146	25.0000	27.871
43 1,2-Dichloropropane	63	5.266	5.266	(1.103)	33663	25.0000	27.670
44 1,4 Dioxane	88	5.382	5.382	(1.127)	11681	1250.00	1284.4
45 Dibromomethane	93	5.364	5.364	(1.124)	16071	25.0000	29.620
46 Bromodichloromethane	83	5.491	5.491	(1.150)	37204	25.0000	27.537
48 cis-1,3-Dichloropropene	75	5.881	5.881	(1.232)	39044	25.0000	24.284
49 4-Methyl-2-pentanone	43	6.009	6.009	(1.259)	48224	50.0000	44.480
47 2-Chloroethyl vinyl ether	63	5.741	5.741	(1.203)	21952	50.0000	41.720
50 Toluene	91	6.179	6.179	(0.833)	129742	25.0000	25.560
51 trans-1,3-Dichloropropene	75	6.361	6.361	(0.857)	31560	25.0000	24.017
52 Ethyl Methacrylate	69	6.447	6.447	(0.869)	22708	25.0000	20.196
53 1,1,2-Trichloroethane	97	6.526	6.526	(0.879)	23315	25.0000	27.442
54 1,3 Dichloropropane	76	6.678	6.678	(0.900)	40682	25.0000	27.880
55 Tetrachloroethene	164	6.678	6.678	(0.900)	24151	25.0000	25.726
56 2-Hexanone	43	6.751	6.751	(0.910)	40091	50.0000	45.870
57 Dibromochloromethane	129	6.885	6.885	(0.928)	24573	25.0000	28.208
58 1,2-Dibromoethane	107	7.000	7.000	(0.943)	21516	25.0000	26.792
59 Chlorobenzene	112	7.444	7.444	(1.003)	83866	25.0000	27.754
60 1,1,1,2-Tetrachloroethane	131	7.517	7.517	(1.013)	27060	25.0000	27.216
61 Ethylbenzene	106	7.554	7.554	(1.018)	42212	25.0000	23.844
62 m + p-Xylene	106	7.663	7.663	(1.033)	101180	50.0000	46.233
64 Xylene-o	106	8.034	8.034	(1.083)	45558	25.0000	22.006
65 Styrene	104	8.040	8.040	(1.084)	78674	25.0000	22.769
66 Bromoform	173	8.211	8.211	(1.107)	15280	25.0000	26.330
67 Isopropylbenzene	105	8.381	8.381	(1.130)	105648	25.0000	20.755
68 1,1,2,2-Tetrachloroethane	83	8.655	8.655	(0.897)	29428	25.0000	27.247
69 1,4-Dichloro-2-butene	53	8.716	8.716	(0.904)	9537	25.0000	26.189
70 1,2,3-Trichloropropane	110	8.697	8.697	(0.902)	9364	25.0000	27.711
71 Bromobenzene	156	8.673	8.673	(0.899)	29735	25.0000	25.893
72 n Propylbenzene	120	8.777	8.777	(0.910)	32878	25.0000	22.194
73 2-Chlorotoluene	126	8.862	8.862	(0.919)	30995	25.0000	24.597
74 1,3,5-Trimethylbenzene	105	8.953	8.953	(0.928)	97807	25.0000	22.000
75 4-Chlorotoluene	126	8.959	8.959	(0.929)	32224	25.0000	25.476
76 tert Butylbenzene	119	9.269	9.269	(0.961)	83594	25.0000	22.496
77 1,2,4-Trimethylbenzene	105	9.312	9.312	(0.965)	96345	25.0000	21.404
78 sec-Butylbenzene	105	9.482	9.482	(0.983)	134297	25.0000	22.108
79 4 Isopropyltoluene	119	9.622	9.622	(0.997)	99387	25.0000	21.998

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70955.D
Report Date: 05-Jun-2005 09:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80 1,3-Dichlorobenzene	146	9.592	9.592	(0.994)	62035	25.0000	27.232
81 1,4-Dichlorobenzene	146	9.677	9.677	(1.003)	65110	25.0000	27.663
82 n-Butylbenzene	91	10.024	10.024	(1.039)	90699	25.0000	21.371
83 1,2-Dichlorobenzene	146	10.036	10.036	(1.040)	57106	25.0000	26.858
84 1,2-Dibromo-3-chloropropane	157	10.796	10.796	(1.119)	4965	25.0000	25.676
85 1,2,4-Trichlorobenzene	180	11.624	11.624	(1.205)	26707	25.0000	22.217
86 Hexachlorobutadiene	225	11.806	11.806	(1.224)	19964	25.0000	28.671
87 Naphthalene	128	11.867	11.867	(1.230)	56420	25.0000	18.864
88 1,2,3-Trichlorobenzene	180	12.110	12.110	(1.255)	27235	25.0000	23.209
98 Cyclohexane	56	4.305	4.305	(0.902)	64924	25.0000	24.000
143 Methyl Acetate	43	2.736	2.736	(0.573)	47261	50.0000	54.030
144 Methylcyclohexane	83	5.260	5.260	(1.102)	54055	25.0000	22.645
141 1,3,5-Trichlorobenzene	180	11.021	11.021	(1.143)	37055	25.0000	24.746

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U506048-IC.b\UX70955.D
Date : 04-JUN-2005 19:19
Client ID:
Sample Info: 25NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux7.i
Operator: 402279
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70956.D
Report Date: 05-Jun-2005 09:20

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70956.D
Lab Smp Id: ICV
Inj Date : 04-JUN-2005 19:44
Operator : 402279 Inst ID: a3ux7.i
Smp Info : ICV
Misc Info : U50604B-IC,8260SUX7,1-8260.SUB,402279,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
Meth Date : 05-Jun-2005 09:15 macenczaks Quant Type: ISTD
Cal Date : 04-JUN-2005 18:06 Cal File: UX70952.D
Als bottle: 8 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV09

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Fluorobenzene	96	4.773	4.774	(1.000)	944517	250.000	
* 2 Chlorobenzene-d5	117	7.420	7.421	(1.000)	620053	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.646	9.647	(1.000)	299018	250.000	
$ 4 Dibromofluoromethane	113	4.214	4.215	(0.883)	215301	223.542	44.708
$ 5 1,2-Dichloroethane-d4	65	4.493	4.488	(0.941)	246276	224.792	44.958
$ 6 Toluene d8	98	6.124	6.119	(1.283)	967935	233.273	46.654
$ 7 Bromofluorobenzene	95	8.527	8.528	(1.149)	335361	229.853	45.970
8 Dichlorodifluoromethane	85	1.336	1.337	(0.280)	184947	196.444	39.289
9 Chloromethane	50	1.458	1.459	(0.305)	364059	263.779	52.756
10 Vinyl Chloride	62	1.543	1.544	(0.323)	333056	271.900	54.380
11 Bromomethane	94	1.786	1.787	(0.374)	168088	280.468	56.094
12 Chloroethane	64	1.865	1.860	(0.391)	191359	283.748	56.750
13 Trichlorofluoromethane	101	2.054	2.049	(0.430)	335999	267.993	53.598
15 Acrolein	56	2.358	2.359	(0.494)	445992	3136.18	627.24
16 Acetone	43	2.474	2.469	(0.518)	89885	166.621	33.324
17 1,1-Dichloroethene	96	2.456	2.450	(0.514)	261726	254.465	50.893
18 Freon 113	151	2.462	2.463	(0.516)	207865	276.765	55.353
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.632	2.633	(0.551)	1027295	259.396	51.879
21 Methylene Chloride	84	2.821	2.815	(0.591)	353506	268.146	53.629
22 Acetonitrile	41	2.681	2.682	(0.562)	395214	2566.13	513.23
23 Acrylonitrile	53	2.997	2.998	(0.628)	1103935	2621.57	524.31

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70956.D
Report Date: 05-Jun-2005 09:20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	24 Methyl tert-butyl ether	73	3.046	3.041	(0.638)	645097	265.014	53.003
	25 trans-1,2-Dichloroethene	96	3.040	3.041	(0.637)	331362	257.500	51.500
	26 Hexane	86	3.265	3.266	(0.684)	89161	276.110	55.222
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.368	3.369	(0.706)	589624	262.303	52.460
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	3.836	3.831	(0.804)	125511	189.930	37.986
M	31 1,2-Dichloroethene (total)	96				647720	514.417	102.88
	32 cis-1,2-dichloroethene	96	3.830	3.831	(0.802)	316358	256.903	51.381
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.086	4.087	(0.856)	496238	256.157	51.231
	36 Tetrahydrofuran	42	4.080	4.075	(0.855)	8546	8.21718	1.643
	37 1,1,1-Trichloroethane	97	4.250	4.251	(0.890)	403038	265.524	53.105
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.390	4.391	(0.920)	353265	263.302	52.660
	40 1,2-Dichloroethane	62	4.554	4.549	(0.954)	352875	257.761	51.552
	41 Benzene	78	4.548	4.549	(0.953)	1301518	258.629	51.726
	42 Trichloroethene	130	5.084	5.085	(1.065)	311908	253.902	50.780
	43 1,2-Dichloropropane	63	5.266	5.261	(1.103)	318413	261.368	52.274
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.491	5.492	(1.150)	337252	249.495	49.899
	48 cis-1,3-Dichloropropene	75	5.880	5.881	(1.232)	410052	260.462	52.092
	49 4-Methyl-2-pentanone	43	6.008	6.003	(1.259)	246246	235.179	47.036
	47 2-Chloroethyl vinyl ether	63	5.747	5.742	(1.204)	125831	249.966	49.993
	50 Toluene	91	6.179	6.180	(0.833)	1311194	258.960	51.792
	51 trans-1,3-Dichloropropene	75	6.361	6.362	(0.857)	336736	259.559	51.912
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.525	6.526	(0.879)	214429	249.893	49.978
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.677	6.678	(0.900)	235504	251.219	50.244
	56 2 Hexanone	43	6.750	6.745	(0.910)	168623	196.847	39.369
	57 Dibromochloromethane	129	6.884	6.885	(0.928)	214878	243.009	48.602
	58 1,2-Dibromoethane	107	6.994	6.995	(0.943)	203976	252.562	50.512
	59 Chlorobenzene	112	7.450	7.445	(1.004)	773306	252.871	50.574
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.547	7.548	(1.017)	460086	263.546	52.709
	62 m + p-Xylene	106	7.657	7.658	(1.032)	1113341	518.420	103.68
M	63 Xylenes (total)	106				1632032	775.749	155.15
	64 Xylene-o	106	8.034	8.035	(1.083)	518691	257.247	51.449
	65 Styrene	104	8.040	8.041	(1.084)	875256	258.743	51.748
	66 Bromoform	173	8.217	8.211	(1.107)	154220	265.063	53.013
	67 Isopropylbenzene	105	8.381	8.382	(1.130)	1395966	283.997	56.799
	68 1,1,2,2-Tetrachloroethane	83	8.655	8.656	(0.897)	283509	267.634	53.527
	69 1,4 Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					
	77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70956.D
Report Date: 05-Jun-2005 09:20

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.585	9.586	(0.994)	530637	237.523	47.504
81 1,4-Dichlorobenzene	146	9.670	9.671	(1.003)	556669	240.478	48.096
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.036	10.037	(1.040)	504385	242.486	48.497
84 1,2-Dibromo-3-chloropropane	157	10.796	10.797	(1.119)	48660	257.694	51.539
85 1,2,4-Trichlorobenzene	180	11.629	11.630	(1.206)	243600	213.668	42.734
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	11.861	11.868	(1.230)	5183	14.9409	2.988
88 1,2,3-Trichlorobenzene	180	12.116	12.111	(1.256)	1280	1.14243	0.2285
98 Cyclohexane	56	4.305	4.306	(0.902)	675915	255.658	51.132
143 Methyl Acetate	43	2.735	2.730	(0.573)	212937	244.149	48.830
144 Methylcyclohexane	83	5.254	5.255	(1.101)	598035	258.699	51.740
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70956.D
Report Date: 05-Jun-2005 09:20

STL North Canton

RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: ICV
Level: LOW
Data Type: MS DATA
SpikeList File: plexus-ck.spk
Sublist File: 1-8260.SUB
Method File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\8260SUX7.m
Misc Info: U50604B-IC,8260SUX7,1-8260.SUB,402279,3

Client SDG: SDGa00699
Fraction: VOA

Operator: 402279
SampleType: METHSPIKE
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED UG/KG	CONC RECOVERED UG/KG	% RECOVERED	LIMITS
	17 1,1-Dichloroethene	50.000	50.893	101.79	50-150
	42 Trichloroethene	50.000	50.780	101.56	50-150
	59 Chlorobenzene	50.000	50.574	101.15	50-150
	50 Toluene	50.000	51.792	103.58	50-150
	41 Benzene	50.000	51.726	103.45	50-150
	16 Acetone	50.000	33.324	66.65	50-150
	20 Carbon Disulfide	50.000	51.879	103.76	50-150
	9 Chloromethane	50.000	52.756	105.51	50-150
	11 Bromomethane	50.000	56.094	112.19	50-150
	10 Vinyl Chloride	50.000	54.380	108.76	50-150
	12 Chloroethane	50.000	56.750	113.50	50-150
	21 Methylene Chloride	50.000	53.629	107.26	50-150
	28 1,1-Dichloroethane	50.000	52.460	104.92	50-150
M	31 1,2-Dichloroethene	100.00	102.88	102.88	50-150
	35 Chloroform	50.000	51.231	102.46	50-150
	40 1,2-Dichloroethane	50.000	51.552	103.10	50-150
	30 2-Butanone	50.000	37.986	75.97	50-150
	37 1,1,1-Trichloroeth	50.000	53.105	106.21	50-150
	39 Carbon Tetrachlori	50.000	52.660	105.32	50-150
	46 Bromodichlorometha	50.000	49.899	99.80	50-150
	43 1,2-Dichloropropan	50.000	52.274	104.55	50-150
	48 cis-1,3-Dichloropr	50.000	52.092	104.18	50-150
	57 Dibromochlorometha	50.000	48.602	97.20	50-150
	53 1,1,2-Trichloroeth	50.000	49.978	99.96	50-150
	51 trans-1,3-Dichloro	50.000	51.912	103.82	50-150
	66 Bromoform	50.000	53.013	106.03	50-150
	49 4-Methyl-2-pentano	50.000	47.036	94.07	50-150
	56 2-Hexanone	50.000	39.369	78.74	50-150
	55 Tetrachloroethene	50.000	50.244	100.49	50-150
	68 1,1,2,2-Tetrachlor	50.000	53.527	107.05	50-150
	61 Ethylbenzene	50.000	52.709	105.42	50-150
	65 Styrene	50.000	51.748	103.50	50-150
M	63 Xylenes (total)	150.00	155.15	103.43	50-150
	32 cis-1,2-dichloroet	50.000	51.381	102.76	50-150
	25 trans-1,2-Dichloro	50.000	51.500	103.00	50-150
	8 Dichlorodifluorome	50.000	39.289	78.58	50-150
	13 Trichlorofluoromet	50.000	53.598	107.20	50-150
	18 Freon-113	50.000	55.353	110.71	50-150
	24 Methyl tert-butyl	50.000	53.003	106.01	50-150
	58 1,2-Dibromoethane	50.000	50.512	101.02	50-150

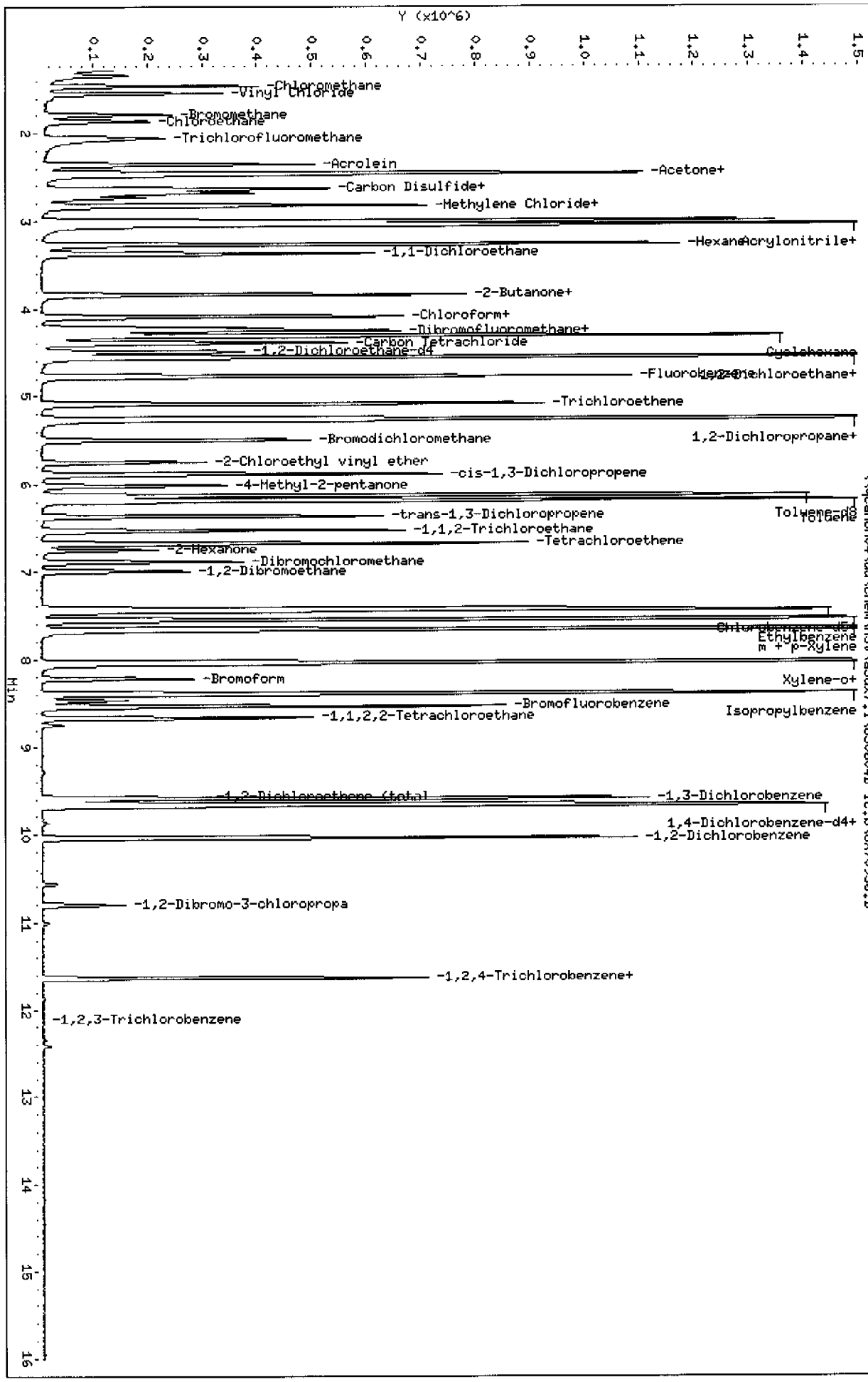
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70956.D
Report Date: 05-Jun-2005 09:20

SPIKE COMPOUND	CONC ADDED UG/KG	CONC RECOVERED UG/KG	% RECOVERED	LIMITS
67 Isopropylbenzene	50.000	56.799	113.60	50-150
80 1,3-Dichlorobenzen	50.000	47.504	95.01	50-150
81 1,4-Dichlorobenzen	50.000	48.096	96.19	50-150
83 1,2-Dichlorobenzen	50.000	48.497	96.99	50-150
84 1,2-Dibromo-3-chlo	50.000	51.539	103.08	50-150
85 1,2,4-Trichloroben	50.000	42.734	85.47	50-150
98 Cyclohexane	50.000	51.132	102.26	50-150
143 Methyl Acetate	50.000	48.830	97.66	50-150
144 Methylcyclohexane	50.000	51.740	103.48	50-150

SURROGATE COMPOUND	CONC ADDED UG/KG	CONC RECOVERED UG/KG	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	50.000	44.708	89.42	59-138
$ 5 1,2-Dichloroethane	50.000	44.958	89.92	61-130
$ 6 Toluene-d8	50.000	46.654	93.31	60-143
$ 7 Bromofluorobenzene	50.000	45.970	91.94	47-158

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U50604B-IC.b\UX70956.D
Date : 04-JUN-2005 19:44
Client ID:
Sample Info: ICV
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux7.i
Operator: 402279
Column diameter: 0.18



Report Date: 08-Jun-2005 10:50

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\8260SUX7.m
Start Cal Date: 04-JUN-2005 17:17
End Cal Date : 04-JUN-2005 19:19
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 25.00000		
04-JUN-2005 19:19	1-8260	\\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70955.D
Cal Level: 2 , Cal Amount: 50.00000		
04-JUN-2005 18:55	1-8260	\\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70954.D
Cal Level: 3 , Cal Amount: 100.00000		
04-JUN-2005 18:30	1-8260	\\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70953.D
Cal Level: 4 , Cal Amount: 250.00000		
04-JUN-2005 18:06	1-8260	\\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70952.D
Cal Level: 5 , Cal Amount: 500.00000		
04-JUN-2005 17:41	1-8260	\\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70951.D
Cal Level: 6 , Cal Amount: 1000.00000		
04-JUN-2005 17:17	1-8260	\\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\UX70950.D

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

08-JUN-2005 11:17	1-8260	\\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\UX71021.D

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\UX71021.D
Report Date: 08-Jun-2005 11:34

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i Injection Date: 08-JUN-2005 11:17
Lab File ID: UX71021.D Init. Cal. Date(s): 04-JUN-2005 04-JUN-2005
Analysis Type: SOIL Init. Cal. Times: 17:17 19:19
Lab Sample ID: 250NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\8260SUX7.m

COMPOUND	RRF / AMOUNT	RF250	CCAL RRF250	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 4 Dibromofluoromethane	0.25493	0.23966	0.23966	0.010	5.98912	50.00000	Averaged
$ 5 1,2-Dichloroethane-d4	0.28998	0.26615	0.26615	0.010	8.21716	50.00000	Averaged
$ 6 Toluene-d8	1.09828	1.02804	1.02804	0.010	6.39491	50.00000	Averaged
$ 7 Bromofluorobenzene	0.58827	0.55040	0.55040	0.010	6.43649	50.00000	Averaged
8 Dichlorodifluoromethane	0.24919	0.22522	0.22522	0.010	9.61893	50.00000	Averaged
9 Chloromethane	0.36531	0.33246	0.33246	0.100	8.99299	50.00000	Averaged
10 Vinyl Chloride	0.32422	0.30091	0.30091	0.010	7.18781	20.00000	Averaged
11 Bromomethane	0.15863	0.13989	0.13989	0.010	11.81148	50.00000	Averaged
12 Chloroethane	0.17850	0.16264	0.16264	0.010	8.88432	50.00000	Averaged
13 Trichlorofluoromethane	0.33185	0.35023	0.35023	0.010	-5.53900	50.00000	Averaged
15 Acrolein	0.03764	0.02763	0.02763	0.010	26.59528	50.00000	Averaged
16 Acetone	500	387	0.10109	0.010	22.58462	0.000e+000	Wt Linear
17 1,1-Dichloroethene	0.27224	0.24635	0.24635	0.010	9.50933	20.00000	Averaged
18 Freon-113	0.19879	0.18359	0.18359	0.010	7.64714	50.00000	Averaged
19 Iodomethane	0.40607	0.34367	0.34367	0.010	15.36627	50.00000	Averaged
20 Carbon Disulfide	1.04824	0.86422	0.86422	0.010	17.55545	50.00000	Averaged
21 Methylene Chloride	250	228	0.32257	0.010	8.98761	0.000e+000	Wt Linear
22 Acetonitrile	0.04076	0.03644	0.03644	0.010	10.59711	50.00000	Averaged
23 Acrylonitrile	0.11146	0.10203	0.10203	0.010	8.45910	50.00000	Averaged
24 Methyl tert-butyl ether	0.64430	0.64713	0.64713	0.010	-0.43989	50.00000	Averaged
25 trans-1,2-Dichloroethene	0.34061	0.32403	0.32403	0.010	4.86773	50.00000	Averaged
26 Hexane	0.08547	0.08885	0.08885	0.010	-3.95148	20.00000	Averaged
27 Vinyl acetate	0.47032	0.40846	0.40846	0.010	13.15273	50.00000	Averaged
28 1,1-Dichloroethane	0.59498	0.57452	0.57452	0.100	3.43825	50.00000	Averaged
29 tert-Butyl Alcohol	5000	5156	0.02078	0.010	-3.11258	0.000e+000	Quadratic
30 2-Butanone	0.17491	0.14238	0.14238	0.010	18.59681	50.00000	Averaged
M 31 1,2-Dichloroethene (total)	0.33327	0.32294	0.32294	0.010	3.10080	50.00000	Averaged
32 cis-1,2-dichloroethene	0.32594	0.32185	0.32185	0.010	1.25455	50.00000	Averaged
33 2,2-Dichloropropane	0.30466	0.30321	0.30321	0.010	0.47539	50.00000	Averaged
34 Bromochloromethane	0.13644	0.13453	0.13453	0.010	1.39993	50.00000	Averaged
35 Chloroform	0.51276	0.49592	0.49592	0.010	3.28512	20.00000	Averaged
36 Tetrahydrofuran	250	324	0.12093	0.010	-29.63326	0.000e+000	Wt Linear
37 1,1,1-Trichloroethane	0.40177	0.40026	0.40026	0.010	0.37366	50.00000	Averaged
38 1,1-Dichloropropene	0.41959	0.41411	0.41411	0.010	1.30408	50.00000	Averaged
39 Carbon Tetrachloride	0.35512	0.35414	0.35414	0.010	0.27506	50.00000	Averaged
40 1,2-Dichloroethane	0.36235	0.35516	0.35516	0.010	1.98656	50.00000	Averaged
41 Benzene	1.33200	1.27042	1.27042	0.010	4.62256	50.00000	Averaged
42 Trichloroethene	0.32516	0.32361	0.32361	0.010	0.47483	50.00000	Averaged
43 1,2-Dichloropropane	0.32245	0.31256	0.31256	0.010	3.06708	20.00000	Averaged
44 1,4-Dioxane	0.00238	0.00223	0.00223	0.010	6.35721	50.00000	Averaged <-
45 Dibromomethane	0.14564	0.14240	0.14240	0.010	2.22650	50.00000	Averaged
46 Bromodichloromethane	0.35779	0.36084	0.36084	0.010	-0.85217	50.00000	Averaged
48 cis-1,3-Dichloropropene	0.41670	0.43073	0.43073	0.010	-3.36578	50.00000	Averaged

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Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\UX71021.D
Report Date: 08-Jun-2005 11:34

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i Injection Date: 08-JUN-2005 11:17
Lab File ID: UX71021.D Init. Cal. Date(s): 04-JUN-2005 04-JUN-2005
Analysis Type: SOIL Init. Cal. Times: 17:17 19:19
Lab Sample ID: 250NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\8260SUX7.m

COMPOUND	RRF / AMOUNT	RF250	CCAL RRF250	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
49 4-Methyl-2-pentanone	0.27714	0.27107	0.27107	0.010	2.19122	50.00000	Averaged
47 2-Chloroethyl vinyl ether	0.13324	0.13998	0.13998	0.010	-5.05830	50.00000	Averaged
50 Toluene	2.04148	2.00301	2.00301	0.010	1.88442	20.00000	Averaged
51 trans-1,3-Dichloropropene	0.52308	0.52655	0.52655	0.010	-0.66487	50.00000	Averaged
52 Ethyl Methacrylate	0.43609	0.45663	0.45663	0.010	-4.71048	50.00000	Averaged
53 1,1,2-Trichloroethane	0.34597	0.33113	0.33113	0.010	4.29107	50.00000	Averaged
54 1,3-Dichloropropane	0.59589	0.57543	0.57543	0.010	3.43344	50.00000	Averaged
55 Tetrachloroethene	0.37797	0.37992	0.37992	0.010	-0.51496	50.00000	Averaged
56 2-Hexanone	0.34538	0.30199	0.30199	0.010	12.56312	50.00000	Averaged
57 Dibromochloromethane	0.35652	0.34556	0.34556	0.010	3.07274	50.00000	Averaged
58 1,2-Dibromoethane	0.32563	0.32105	0.32105	0.010	1.40525	50.00000	Averaged
59 Chlorobenzene	1.23300	1.19269	1.19269	0.300	3.26952	50.00000	Averaged
60 1,1,1,2-Tetrachloroethane	0.40427	0.40376	0.40376	0.010	0.12703	50.00000	Averaged
61 Ethylbenzene	0.70387	0.69891	0.69891	0.010	0.70508	20.00000	Averaged
62 m + p-Xylene	0.86588	0.86851	0.86851	0.010	-0.30390	50.00000	Averaged
M 63 Xylenes (total)	0.84824	0.85729	0.85729	0.010	-1.06687	50.00000	Averaged
64 Xylene-o	0.81296	0.83484	0.83484	0.010	-2.69202	50.00000	Averaged
65 Styrene	1.36388	1.38382	1.38382	0.010	-1.46141	50.00000	Averaged
66 Bromoform	0.23459	0.22586	0.22586	0.100	3.71997	50.00000	Averaged
67 Isopropylbenzene	1.98186	2.06459	2.06459	0.010	-4.17443	50.00000	Averaged
68 1,1,2,2-Tetrachloroethane	0.88566	0.83985	0.83985	0.300	5.17299	50.00000	Averaged
69 1,4-Dichloro-2-butene	0.29654	0.29550	0.29550	0.010	0.35096	50.00000	Averaged
70 1,2,3-Trichloropropane	0.27794	0.27140	0.27140	0.010	2.35345	50.00000	Averaged
71 Bromobenzene	0.93332	0.96140	0.96140	0.010	-3.00857	50.00000	Averaged
72 n-Propylbenzene	1.17446	1.25845	1.25845	0.010	-7.15151	50.00000	Averaged
73 2-Chlorotoluene	1.01534	1.07519	1.07519	0.010	-5.89445	50.00000	Averaged
74 1,3,5-Trimethylbenzene	3.52003	3.80305	3.80305	0.010	-8.04054	50.00000	Averaged
75 4-Chlorotoluene	1.02515	1.05107	1.05107	0.010	-2.52916	50.00000	Averaged
76 tert-Butylbenzene	2.95208	3.19859	3.19859	0.010	-8.35049	50.00000	Averaged
77 1,2,4-Trimethylbenzene	3.54949	3.76519	3.76519	0.010	-6.07680	50.00000	Averaged
78 sec-Butylbenzene	4.81326	5.04427	5.04427	0.010	-4.79954	50.00000	Averaged
79 4-Isopropyltoluene	3.57707	3.73314	3.73314	0.010	-4.36297	50.00000	Averaged
80 1,3-Dichlorobenzene	1.86782	1.86082	1.86082	0.010	0.37474	50.00000	Averaged
81 1,4-Dichlorobenzene	1.93537	1.84183	1.84183	0.010	4.83316	50.00000	Averaged
82 n-Butylbenzene	3.34586	3.38594	3.38594	0.010	-1.19785	50.00000	Averaged
83 1,2-Dichlorobenzene	1.73908	1.67021	1.67021	0.010	3.96003	50.00000	Averaged
84 1,2-Dibromo-3-chloropropane	250	204	0.12884	0.010	18.33347	0.000e+000	Wt Linear
85 1,2,4-Trichlorobenzene	0.95319	0.88699	0.88699	0.010	6.94537	50.00000	Averaged
86 Hexachlorobutadiene	0.57634	0.50957	0.50957	0.010	11.58456	50.00000	Averaged
87 Naphthalene	250	191	1.98401	0.010	23.74861	0.000e+000	Wt Linear
88 1,2,3-Trichlorobenzene	0.93675	0.78356	0.78356	0.010	16.35300	50.00000	Averaged
98 Cyclohexane	0.69978	0.72755	0.72755	0.010	-3.96772	50.00000	Averaged
143 Methyl Acetate	0.23085	0.23018	0.23018	0.010	0.28976	50.00000	Averaged

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Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\UX71021.D
Report Date: 08-Jun-2005 11:34

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i Injection Date: 08-JUN-2005 11:17
Lab File ID: UX71021.D Init. Cal. Date(s): 04-JUN-2005 04-JUN-2005
Analysis Type: SOIL Init. Cal. Times: 17:17 19:19
Lab Sample ID: 250NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\8260SUX7.m

COMPOUND	RRF / AMOUNT	RF250	CCAL RRF250	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
144 Methylcyclohexane	0.61187	0.62507	0.62507	0.010	-2.15647	50.00000	Averaged
141 1,3,5-Trichlorobenzene	1.20774	1.14588	1.14588	0.010	5.12147	50.00000	Averaged

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\UX71021.D
Report Date: 08-Jun-2005 11:34

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\UX71021.D
Lab Smp Id: 250NG-CC
Inj Date : 08-JUN-2005 11:17
Operator : 2807 Inst ID: a3ux7.i
Smp Info : 250NG-CC
Misc Info : U50608A,8260SUX7,1-8260.SUB,2807,2
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\8260SUX7.m
Meth Date : 08-Jun-2005 11:34 Quant Type: ISTD
Cal Date : 04-JUN-2005 18:06 Cal File: UX70952.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
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	4.771	4.771	(1.000)	1189590	250.000	
* 2 Chlorobenzene-d5	117	7.418	7.418	(1.000)	778679	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.650	9.650	(1.000)	368341	250.000	
$ 4 Dibromofluoromethane	113	4.212	4.212	(0.883)	285097	250.000	235.03
$ 5 1,2-Dichloroethane-d4	65	4.492	4.492	(0.941)	316614	250.000	229.46
$ 6 Toluene-d8	98	6.122	6.122	(1.283)	1222952	250.000	234.01
$ 7 Bromofluorobenzene	95	8.525	8.525	(1.149)	428587	250.000	233.91
8 Dichlorodifluoromethane	85	1.334	1.334	(0.280)	267925	250.000	225.95
9 Chloromethane	50	1.456	1.456	(0.305)	395489	250.000	227.52
10 Vinyl Chloride	62	1.541	1.541	(0.323)	357965	250.000	232.03
11 Bromomethane	94	1.791	1.791	(0.375)	166415	250.000	220.47
12 Chloroethane	64	1.864	1.864	(0.391)	193480	250.000	227.79
13 Trichlorofluoromethane	101	2.052	2.052	(0.430)	416635	250.000	263.85
15 Acrolein	56	2.356	2.356	(0.494)	328683	2500.00	1835.1
16 Acetone	43	2.472	2.472	(0.518)	240508	500.000	387.08
17 1,1-Dichloroethene	96	2.454	2.454	(0.514)	293056	250.000	226.23
18 Freon-113	151	2.466	2.466	(0.517)	218398	250.000	230.88
19 Iodomethane	142	2.569	2.569	(0.538)	408832	250.000	211.58
20 Carbon Disulfide	76	2.630	2.630	(0.551)	1028066	250.000	206.11

21 Methylene Chloride	84	2.819	2.819 (0.591)	383728	250.000	227.53
22 Acetonitrile	41	2.679	2.679 (0.561)	433543	2500.00	2235.1
23 Acrylonitrile	53	2.995	2.995 (0.628)	1213736	2500.00	2288.5

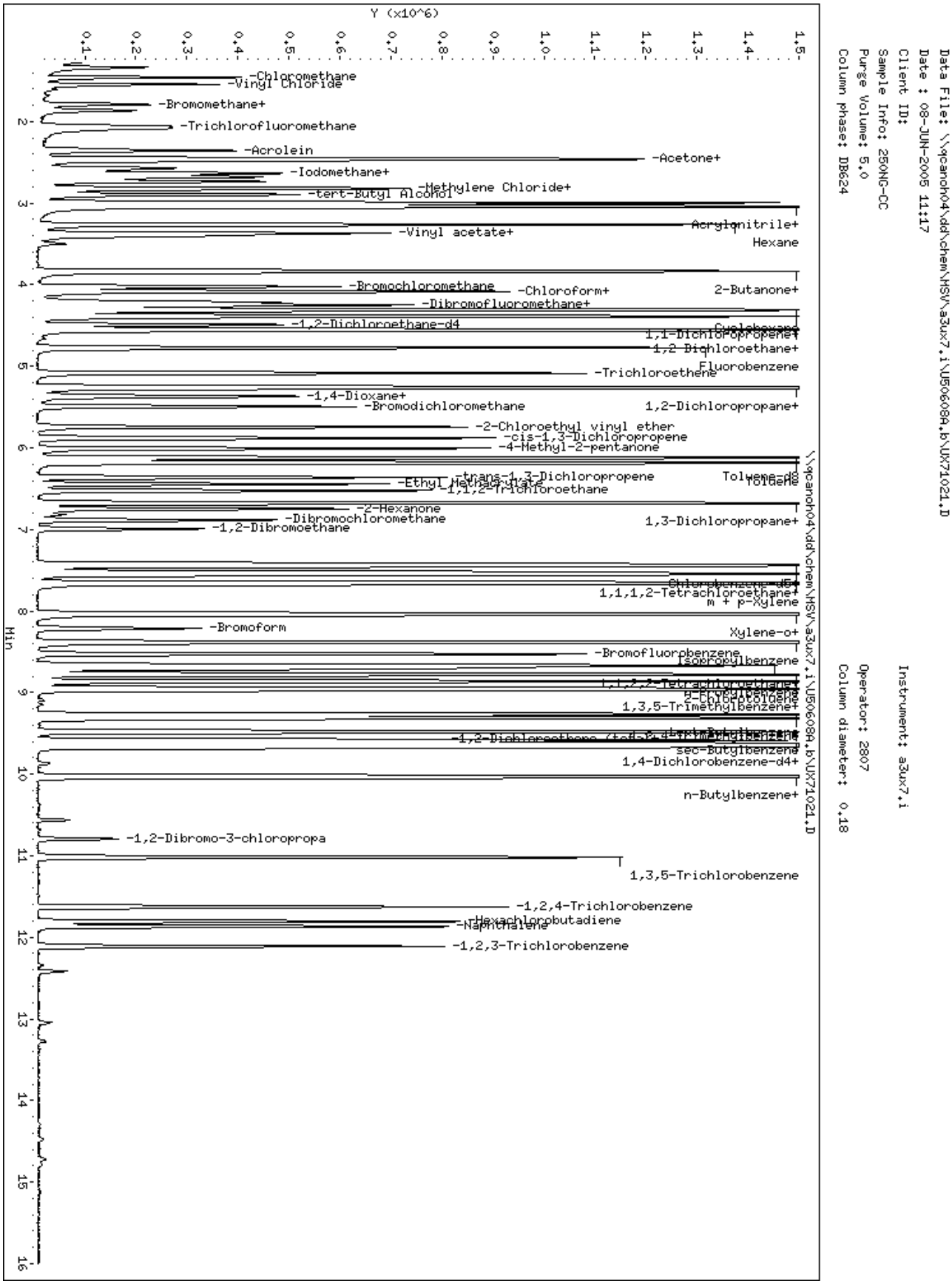
Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\UX71021.D
Report Date: 08-Jun-2005 11:34

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.044	3.044	(0.638)	769821	250.000	251.10
	25 trans-1,2-Dichloroethene	96	3.038	3.038	(0.637)	385461	250.000	237.83
	26 Hexane	86	3.263	3.263	(0.684)	105694	250.000	259.88
	27 Vinyl acetate	43	3.403	3.403	(0.713)	485902	250.000	217.12
	28 1,1-Dichloroethane	63	3.366	3.366	(0.706)	683447	250.000	241.40
	29 tert-Butyl Alcohol	59	2.892	2.892	(0.606)	494381	5000.00	5155.6
	30 2-Butanone	43	3.835	3.835	(0.804)	338757	500.000	407.02
M	31 1,2-Dichloroethene (total)	96				768333	500.000	484.50
	32 cis-1,2-dichloroethene	96	3.829	3.829	(0.802)	382872	250.000	246.86
	33 2,2-Dichloropropane	77	3.835	3.835	(0.804)	360695	250.000	248.81
	34 Bromochloromethane	128	4.023	4.023	(0.843)	160041	250.000	246.50
	35 Chloroform	83	4.084	4.084	(0.856)	589936	250.000	241.79
	36 Tetrahydrofuran	42	4.072	4.072	(0.853)	143855	250.000	324.08
	37 1,1,1-Trichloroethane	97	4.248	4.248	(0.890)	476150	250.000	249.06
	38 1,1-Dichloropropene	75	4.382	4.382	(0.918)	492625	250.000	246.74
	39 Carbon Tetrachloride	117	4.388	4.388	(0.920)	421287	250.000	249.31
	40 1,2-Dichloroethane	62	4.552	4.552	(0.954)	422490	250.000	245.03
	41 Benzene	78	4.552	4.552	(0.954)	1511283	250.000	238.44
	42 Trichloroethene	130	5.082	5.082	(1.065)	384965	250.000	248.81
	43 1,2-Dichloropropane	63	5.264	5.264	(1.103)	371824	250.000	242.33
	44 1,4-Dioxane	88	5.380	5.380	(1.127)	132519	12500.0	11705
	45 Dibromomethane	93	5.362	5.362	(1.124)	169399	250.000	244.43
	46 Bromodichloromethane	83	5.489	5.489	(1.150)	429246	250.000	252.13
	48 cis-1,3-Dichloropropene	75	5.879	5.879	(1.232)	512387	250.000	258.41
	49 4-Methyl-2-pentanone	43	6.006	6.006	(1.259)	644921	500.000	489.04
	47 2-Chloroethyl vinyl ether	63	5.745	5.745	(1.204)	333039	500.000	525.29
	50 Toluene	91	6.183	6.183	(0.834)	1559704	250.000	245.29
	51 trans-1,3-Dichloropropene	75	6.359	6.359	(0.857)	410016	250.000	251.66
	52 Ethyl Methacrylate	69	6.444	6.444	(0.869)	355571	250.000	261.78
	53 1,1,2-Trichloroethane	97	6.524	6.524	(0.879)	257841	250.000	239.27
	54 1,3-Dichloropropane	76	6.676	6.676	(0.900)	448079	250.000	241.42
	55 Tetrachloroethene	164	6.676	6.676	(0.900)	295833	250.000	251.29
	56 2-Hexanone	43	6.749	6.749	(0.910)	470309	500.000	437.18
	57 Dibromochloromethane	129	6.882	6.882	(0.928)	269082	250.000	242.32
	58 1,2-Dibromoethane	107	6.992	6.992	(0.943)	249997	250.000	246.49
	59 Chlorobenzene	112	7.448	7.448	(1.004)	928720	250.000	241.83
	60 1,1,1,2-Tetrachloroethane	131	7.521	7.521	(1.014)	314397	250.000	249.68
	61 Ethylbenzene	106	7.552	7.552	(1.018)	544225	250.000	248.24
	62 m + p-Xylene	106	7.661	7.661	(1.033)	1352584	500.000	501.52
M	63 Xylenes (total)	106				2002660	750.000	758.00
	64 Xylene-o	106	8.032	8.032	(1.083)	650076	250.000	256.73
	65 Styrene	104	8.038	8.038	(1.084)	1077549	250.000	253.65
	66 Bromoform	173	8.215	8.215	(1.107)	175872	250.000	240.70
	67 Isopropylbenzene	105	8.385	8.385	(1.130)	1607651	250.000	260.44
	68 1,1,2,2-Tetrachloroethane	83	8.653	8.653	(0.897)	309350	250.000	237.07
	69 1,4-Dichloro-2-butene	53	8.714	8.714	(0.903)	108846	250.000	249.12
	70 1,2,3-Trichloropropane	110	8.695	8.695	(0.901)	99968	250.000	244.12
	71 Bromobenzene	156	8.671	8.671	(0.899)	354124	250.000	257.52
	72 n-Propylbenzene	120	8.774	8.774	(0.909)	463539	250.000	267.88
	73 2-Chlorotoluene	126	8.860	8.860	(0.918)	396038	250.000	264.74
	74 1,3,5-Trimethylbenzene	105	8.945	8.945	(0.927)	1400821	250.000	270.10
	75 4-Chlorotoluene	126	8.963	8.963	(0.929)	387154	250.000	256.32

76 tert-Butylbenzene	119	9.267	9.267 (0.960)	1178172	250.000	270.88
77 1,2,4-Trimethylbenzene	105	9.310	9.310 (0.965)	1386873	250.000	265.19

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\UX71021.D
Report Date: 08-Jun-2005 11:34

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
78 sec-Butylbenzene	105	9.480	9.480	(0.982)	1858012	250.000	262.00
79 4-Isopropyltoluene	119	9.620	9.620	(0.997)	1375068	250.000	260.91
80 1,3-Dichlorobenzene	146	9.584	9.584	(0.993)	685416	250.000	249.06
81 1,4-Dichlorobenzene	146	9.669	9.669	(1.002)	678421	250.000	237.92
82 n-Butylbenzene	91	10.028	10.028	(1.039)	1247180	250.000	252.99
83 1,2-Dichlorobenzene	146	10.034	10.034	(1.040)	615206	250.000	240.10
84 1,2-Dibromo-3-chloropropane	157	10.794	10.794	(1.119)	47458	250.000	204.17
85 1,2,4-Trichlorobenzene	180	11.628	11.628	(1.205)	326714	250.000	232.64
86 Hexachlorobutadiene	225	11.804	11.804	(1.223)	187697	250.000	221.04
87 Naphthalene	128	11.865	11.865	(1.229)	730792	250.000	190.63
88 1,2,3-Trichlorobenzene	180	12.108	12.108	(1.255)	288618	250.000	209.12
98 Cyclohexane	56	4.309	4.309	(0.903)	865482	250.000	259.92
143 Methyl Acetate	43	2.734	2.734	(0.573)	547638	500.000	498.55
144 Methylcyclohexane	83	5.258	5.258	(1.102)	743576	250.000	255.39
141 1,3,5-Trichlorobenzene	180	11.019	11.019	(1.142)	422076	250.000	237.20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Date : 08-JUN-2005 11:17
Client ID:
Sample Info: 250NG-CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux7.i
Operator: 2807
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride+
-tert-Butyl Alcohol
Acrylonitrile+
-Vinyl acetate+
Hexane
-Bromochloromethane
-Chloroform+
2-Butanone+
-Dibromofluoromethane+
-1,2-Dichloroethane-d4
Cyclohexane
1,1-Dichloropropene+
1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-trans-1,3-Dichloropropene
Toluene-d8
Toluene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
-Bromofluorobenzene
Isopropylbenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
-1,2-Dichloroethene (total)
1,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71021.D

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\8260MIUX9.m
Start Cal Date: 25-MAY-2005 17:29
End Cal Date : 13-JUN-2005 21:28
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 2.50000		
25-MAY-2005 23:25	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93517.D
13-JUN-2005 21:28	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94056.D
Cal Level: 2 , Cal Amount: 10.00000		
25-MAY-2005 23:03	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93516.D
13-JUN-2005 21:06	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94055.D
Cal Level: 3 , Cal Amount: 25.00000		
25-MAY-2005 22:41	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93515.D
13-JUN-2005 20:43	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94054.D
Cal Level: 4 , Cal Amount: 50.00000		
25-MAY-2005 22:18	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93514.D
13-JUN-2005 20:21	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94053.D
Cal Level: 5 , Cal Amount: 100.00000		
25-MAY-2005 21:56	3-IX	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93513.D
13-JUN-2005 19:59	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94052.D
Cal Level: 6 , Cal Amount: 250.00000		
25-MAY-2005 21:33	3-IX	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93512.D
13-JUN-2005 19:37	2-8260	

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

13-JUN-2005 20:21	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94053.D
13-JUN-2005 19:14	3-IX	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94050.D
13-JUN-2005 20:21	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B.b\UX94053.D
13-JUN-2005 19:14	3-IX	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B.b\UX94050.D

Report Date : 13-Jun-2005 22:01

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 25-MAY-2005 17:29
End Cal Date : 13-JUN-2005 21:28
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B.b\8260MIUX9.m
Last Edit : 13-Jun-2005 21:59 a3ux9.i
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93517.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93516.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93515.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93514.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93513.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93512.D

	Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	RRF	% RSD
	8 Dichlorodifluoromethane	0.18334	0.19625	0.22854	0.24917	0.27565	0.26605	0.23316	16.058
	9 Chloromethane	0.45494	0.43618	0.47335	0.47500	0.48061	0.48475	0.46747	3.943
	10 Vinyl Chloride	0.29320	0.31374	0.37740	0.36976	0.37594	0.37366	0.35062	10.605
	11 Bromomethane	+++++	0.10572	0.13082	0.13101	0.12498	0.11072	0.12065	9.729
	12 Chloroethane	0.11917	0.15123	0.18179	0.18101	0.17850	0.16315	0.16247	15.014
	13 Trichlorofluoromethane	0.14291	0.23227	0.27951	0.28563	0.29783	0.29351	0.25528	23.463
	14 Dichlorofluoromethane	0.42874	0.32355	0.36349	0.35456	0.36911	0.37433	0.36897	9.311
	15 Acrolein	0.04248	0.04216	0.04582	0.04687	0.05072	0.04717	0.04587	6.997
	16 Acetone	0.20350	0.18585	0.15556	0.16314	0.17421	0.13794	0.17003	13.602
	17 1,1-Dichloroethene	0.35128	0.38809	0.47375	0.46756	0.49047	0.47651	0.44128	12.953
	18 Freon-113	+++++	0.12807	0.17407	0.17097	0.18318	0.18870	0.16900	14.171
	19 Iodomethane	0.24686	0.29011	0.33168	0.34126	0.35778	0.35682	0.32075	13.669
	20 Carbon Disulfide	0.59714	0.78070	0.86365	0.86672	0.92225	0.91535	0.82430	14.832
	21 Methylene Chloride	0.60925	0.43049	0.31737	0.29933	0.29503	0.27953	0.37183	34.535
	22 Acetonitrile	0.04862	0.04624	0.04024	0.04230	0.04536	0.04148	0.04404	7.294
	23 Acrylonitrile	0.09715	0.10447	0.10853	0.11123	0.12092	0.11335	0.10928	7.395
	24 Methyl tert-butyl ether	0.55987	0.57258	0.65539	0.64476	0.71529	0.67243	0.63672	9.392
	25 trans-1,2-Dichloroethene	0.41195	0.40019	0.45822	0.47022	0.47652	0.47013	0.44787	7.396
	26 Hexane	0.50197	0.48906	0.55189	0.52786	0.59337	0.56710	0.53854	7.381
	27 Vinyl acetate	0.60859	0.53252	0.62035	0.66323	0.72260	0.70442	0.64195	10.885
	28 1,1-Dichloroethane	0.53569	0.51065	0.55388	0.53707	0.57101	0.56321	0.54525	4.031
	29 tert-Butyl Alcohol	0.02014	0.02245	0.01981	0.02018	0.02369	0.01974	0.02100	7.889
	30 2-Butanone	0.17573	0.17853	0.18212	0.18971	0.21217	0.17394	0.18537	7.699
M	31 1,2-Dichloroethene (total)	0.42536	0.41263	0.46961	0.47836	0.49398	0.48690	0.46114	7.349
	32 cis-1,2-dichloroethene	0.43877	0.42508	0.48100	0.48651	0.51143	0.50367	0.47441	7.375
	33 2,2-Dichloropropane	0.24525	0.26891	0.29573	0.29030	0.31779	0.30965	0.28794	9.336
	34 Bromochloromethane	0.10060	0.11817	0.11757	0.12406	0.13232	0.12819	0.12015	9.273
	35 Chloroform	0.38586	0.40631	0.41929	0.41508	0.44556	0.42630	0.41640	4.794

Report Date : 13-Jun-2005 22:01

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 25-MAY-2005 17:29
End Cal Date : 13-JUN-2005 21:28
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B.b\8260MIUX9.m
Last Edit : 13-Jun-2005 21:59 a3ux9.i
Curve Type : Average

	Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	___ RRF	% RSD	
	36 Tetrahydrofuran	0.14304	0.12314	0.09312	0.09468	0.09881	0.08772	0.10675	20.274	
	37 1,1,1-Trichloroethane	0.29882	0.27835	0.33823	0.34821	0.37084	0.35522	0.33161	10.727	
	38 1,1-Dichloropropene	0.32062	0.31854	0.36866	0.36876	0.38695	0.37224	0.35596	8.142	
	39 Carbon Tetrachloride	0.22222	0.22468	0.27533	0.27599	0.29911	0.29535	0.26545	12.794	
	40 1,2-Dichloroethane	0.36069	0.33768	0.39797	0.38796	0.41029	0.39891	0.38225	7.207	
	41 Benzene	1.08823	1.11020	1.16836	1.16631	1.23467	1.20908	1.16281	4.815	
	42 Trichloroethene	0.23380	0.24338	0.26900	0.28713	0.29815	0.29041	0.27031	9.819	
	43 1,2-Dichloropropane	0.32000	0.29274	0.32291	0.32785	0.33875	0.33507	0.32289	5.073	
	44 1,4-Dioxane	0.00212	0.00278	0.00207	0.00220	0.00257	0.00192	0.00228	14.464	<-
	45 Dibromomethane	0.11355	0.11922	0.12595	0.12792	0.13448	0.13290	0.12567	6.401	
	46 Bromodichloromethane	0.23111	0.25282	0.29275	0.30390	0.32643	0.32199	0.28817	13.334	
	47 2-Chloroethyl vinyl ether	0.04376	0.05460	0.07055	0.07801	0.09012	0.09132	0.07139	26.852	
	48 cis-1,3-Dichloropropene	0.28074	0.36646	0.39008	0.42423	0.44974	0.45207	0.39389	16.451	
	49 4-Methyl-2-pentanone	0.25789	0.29167	0.29341	0.31438	0.36740	0.31410	0.30647	11.840	
	50 Toluene	1.64133	1.69845	1.83930	1.83698	1.76006	1.79489	1.76184	4.489	
	51 trans-1,3-Dichloropropene	0.37280	0.39908	0.45864	0.47732	0.49290	0.50962	0.45173	12.024	
	52 Ethyl Methacrylate	0.25069	0.28403	0.38821	0.40959	0.44702	0.44236	0.37032	22.494	
	53 1,1,2-Trichloroethane	0.28443	0.30095	0.30627	0.31221	0.30226	0.29581	0.30032	3.172	
	54 1,3-Dichloropropane	0.51193	0.49958	0.57300	0.58337	0.55760	0.55221	0.54628	6.134	
	55 Tetrachloroethene	0.29586	0.29766	0.33199	0.31563	0.30588	0.30548	0.30875	4.334	
	56 2-Hexanone	0.25840	0.26929	0.32351	0.38860	0.41420	0.35575	0.33496	18.831	
	57 Dibromochloromethane	0.20145	0.20632	0.26324	0.27919	0.28938	0.29551	0.25585	16.312	
	58 1,2-Dibromoethane	0.21357	0.22650	0.28374	0.28196	0.28859	0.28961	0.26399	13.037	
	59 Chlorobenzene	1.03944	1.01166	1.16646	1.13478	1.13953	1.15775	1.10827	5.928	
	60 1,1,1,2-Tetrachloroethane	0.32415	0.29935	0.33616	0.34166	0.35028	0.34877	0.33340	5.757	
	61 Ethylbenzene	1.73772	1.65325	2.06293	2.04944	2.03284	2.07420	1.93506	9.715	
	62 m + p-Xylene	1.36937	1.29491	1.57678	1.58841	1.59614	1.63377	1.50990	9.337	
M	63 Xylenes (total)	1.33664	1.30947	1.58996	1.60758	1.60484	1.63452	1.51384	9.824	
	64 Xylene-o	1.27116	1.33859	1.61632	1.64593	1.62225	1.63602	1.52171	11.147	
	65 Styrene	0.79522	0.80705	1.09523	1.17216	1.24837	1.29560	1.06894	20.429	
	66 Bromoform	0.10938	0.08630	0.13258	0.14965	0.16483	0.17013	0.13548	24.194	<-
	67 Isopropylbenzene	1.47817	1.54582	1.86947	1.88429	1.88803	1.95179	1.76960	11.452	
	68 1,1,2,2-Tetrachloroethane	0.72069	0.83359	0.86663	0.90305	0.87463	0.78709	0.83095	8.067	
	69 1,4-Dichloro-2-butene	0.14581	0.22803	0.24885	0.27823	0.29895	0.30039	0.25004	23.369	
	70 1,2,3-Trichloropropane	0.24573	0.24456	0.26997	0.26903	0.26362	0.23578	0.25478	5.712	
	71 Bromobenzene	0.82975	0.90057	0.99835	1.00270	0.97374	0.91697	0.93701	7.184	

Report Date : 13-Jun-2005 22:01

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 25-MAY-2005 17:29
End Cal Date : 13-JUN-2005 21:28
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B.b\8260MIUX9.m
Last Edit : 13-Jun-2005 21:59 a3ux9.i
Curve Type : Average

Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	RRF	% RSD	
72 n-Propylbenzene	4.58850	4.71131	5.42509	5.62049	5.56615	5.37954	5.21518	8.597	
73 2-Chlorotoluene	0.92764	1.02582	1.12504	1.13734	1.10360	1.04713	1.06109	7.416	
74 1,3,5-Trimethylbenzene	2.85631	3.16497	3.55072	3.75603	3.70090	3.61391	3.44047	10.291	
75 4-Chlorotoluene	0.89622	1.00026	1.06610	1.09109	1.06052	1.02051	1.02245	6.846	
76 tert-Butylbenzene	2.85666	3.15167	3.71485	3.55357	3.29747	3.18153	3.29263	9.298	
77 1,2,4-Trimethylbenzene	2.84015	3.14461	3.42185	3.64481	3.67449	3.59648	3.38707	9.810	
78 sec-Butylbenzene	4.09384	4.15023	4.74732	4.81159	4.82844	4.68538	4.55280	7.423	
79 4-Isopropyltoluene	2.86882	3.15411	3.53514	3.71703	3.71627	3.71482	3.45103	10.407	
80 1,3-Dichlorobenzene	1.67229	1.72670	1.75090	1.81940	1.81987	1.78725	1.76273	3.278	
81 1,4-Dichlorobenzene	1.73707	1.67943	1.78592	1.84404	1.81223	1.81041	1.77818	3.378	
82 n-Butylbenzene	2.56549	2.67755	2.98923	3.09923	3.19631	3.23923	2.96118	9.425	
83 1,2-Dichlorobenzene	1.60404	1.54908	1.67939	1.72075	1.69898	1.65382	1.65101	3.885	
84 1,2-Dibromo-3-chloropropane	+++++	0.08552	0.09292	0.09979	0.10943	0.11293	0.10012	11.343	<-
85 1,2,4-Trichlorobenzene	0.63354	0.74384	0.82379	0.83731	0.86859	0.90145	0.80142	12.201	
86 Hexachlorobutadiene	0.36704	0.35895	0.38740	0.39800	0.40307	0.39569	0.38503	4.671	
87 Naphthalene	0.82345	1.21914	1.44424	1.56323	1.77492	1.86005	1.44750	26.440	
88 1,2,3-Trichlorobenzene	0.50415	0.72417	0.69530	0.74458	0.77417	0.77636	0.70312	14.535	
89 Ethyl Ether	0.22081	0.23545	0.25627	0.24713	0.24798	0.23702	0.24078	5.165	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
91 3-Chloropropene	0.11220	0.10200	0.15241	0.14384	0.14713	0.14785	0.13424	15.974	
92 Isopropyl Ether	0.22787	0.22239	0.25519	0.24853	0.25032	0.24350	0.24130	5.464	
93 2-Chloro-1,3-butadiene	0.49628	0.49126	0.58644	0.58230	0.59465	0.59549	0.55773	8.933	
94 Propionitrile	0.04608	0.03309	0.04286	0.03929	0.03892	0.03709	0.03956	11.405	
95 Ethyl Acetate	0.32526	0.29670	0.30617	0.28999	0.30081	0.27336	0.29871	5.774	
96 Methacrylonitrile	0.17962	0.20877	0.21412	0.20012	0.19637	0.18370	0.19712	6.884	
97 Isobutanol	+++++	0.01120	0.01228	0.01080	0.01111	0.00922	0.01092	10.095	<-
98 Cyclohexane	0.55347	0.62833	0.71080	0.68865	0.74541	0.74162	0.67805	10.988	
99 n-Butanol	0.01355	0.01249	0.01012	0.00906	0.00919	0.00736	0.01030	22.485	<-
100 Methyl Methacrylate	0.30451	0.25750	0.30111	0.28608	0.29401	0.28061	0.28730	5.960	
101 2-Nitropropane	0.11069	0.09262	0.07591	0.07056	0.07199	0.06975	0.08192	20.091	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
103 Cyclohexanone	0.04933	0.04915	0.04680	0.04209	0.04380	0.03663	0.04463	10.897	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

Report Date : 13-Jun-2005 22:01

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 25-MAY-2005 17:29
End Cal Date : 13-JUN-2005 21:28
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B.b\8260MIUX9.m
Last Edit : 13-Jun-2005 21:59 a3ux9.i
Curve Type : Average

Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	___ RRF	% RSD	
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
M 137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
141 1,3,5-Trichlorobenzene	0.90501	0.98059	1.04376	1.08287	1.08339	1.09914	1.03246	7.331	
143 Methyl Acetate	0.22867	0.23802	0.22169	0.22196	0.24521	0.22810	0.23061	4.033	
144 Methylcyclohexane	0.48999	0.48317	0.54425	0.52761	0.57641	0.55445	0.52931	6.942	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
146 2-Methylnaphthalene	0.03338	0.11195	0.12600	0.17969	0.32380	0.32371	0.18309	64.772	<-
147 Allyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 4 Dibromofluoromethane	0.17789	0.17873	0.20573	0.21759	0.21928	0.21478	0.20233	9.484	
$ 5 1,2-Dichloroethane-d4	0.23351	0.27025	0.28120	0.28777	0.30339	0.28957	0.27762	8.708	
$ 6 Toluene-d8	1.35577	1.25693	1.52305	1.50210	1.45225	1.45978	1.42498	7.056	
$ 7 Bromofluorobenzene	0.45613	0.45845	0.52514	0.54566	0.54441	0.55780	0.51460	8.863	

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INITIAL CALIBRATION DATA

tart Cal Date : 25-MAY-2005 17:29
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uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\8260MIUX9.m
ast Edit : 14-Jun-2005 18:27 a3ux9.i

alibration File Names:
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evel 2: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93516.D
evel 3: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93515.D
evel 4: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93514.D
evel 5: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93513.D
evel 6: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93512.D

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
8 Dichlorodifluoromethane	8312	17253	105686	234341	509462	1216244	LINR	0.03330	0.26908		0.99938
9 Chloromethane	0.45494	0.43618	0.47335	0.47500	0.48061	0.48475	AVRG		0.46747		3.94292
10 Vinyl Chloride	0.29320	0.31374	0.37740	0.36976	0.37594	0.37366	AVRG		0.35062		10.60491
11 Bromomethane	+++++	0.10572	0.13082	0.13101	0.12498	0.11072	AVRG		0.12065		9.72889
12 Chloroethane	5403	13295	84066	170235	329904	745830	LINR	-0.05033	0.16373		0.99820
13 Trichlorofluoromethane	6479	20420	129257	268628	550470	1341790	LINR	0.02057	0.29542		0.99990
14 Dichlorofluoromethane	0.42874	0.32355	0.36349	0.35456	0.36911	0.37433	AVRG		0.36897		9.31122
15 Acrolein	0.04248	0.04216	0.04582	0.04687	0.05072	0.04717	AVRG		0.04587		6.99681
16 Acetone	0.20350	0.18585	0.15556	0.16314	0.17421	0.13794	AVRG		0.17003		13.60207
17 1,1-Dichloroethene	0.35128	0.38809	0.47375	0.46756	0.49047	0.47651	AVRG		0.44128		12.95332
18 Freon-113	+++++	0.12807	0.17407	0.17097	0.18318	0.18870	AVRG		0.16900		14.17091
19 Iodomethane	0.24686	0.29011	0.33168	0.34126	0.35778	0.35682	AVRG		0.32075		13.66856
20 Carbon Disulfide	0.59714	0.78070	0.86365	0.86672	0.92225	0.91535	AVRG		0.82430		14.83156
21 Methylene Chloride	27622	37846	146767	281514	545285	1277894	LINR	-0.07602	0.27665		0.99975

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Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
22 Acetonitrile	0.04862	0.04624	0.04024	0.04230	0.04536	0.04148	AVRG		0.04404		7.29400
23 Acrylonitrile	0.09715	0.10447	0.10853	0.11123	0.12092	0.11335	AVRG		0.10928		7.39514
24 Methyl tert-butyl ether	0.55987	0.57258	0.65539	0.64476	0.71529	0.67243	AVRG		0.63672		9.39217
25 trans-1,2-Dichloroethene	0.41195	0.40019	0.45822	0.47022	0.47652	0.47013	AVRG		0.44787		7.39603
26 Hexane	0.50197	0.48906	0.55189	0.52786	0.59337	0.56710	AVRG		0.53854		7.38079
27 Vinyl acetate	0.60859	0.53252	0.62035	0.66323	0.72260	0.70442	AVRG		0.64195		10.88506
28 1,1-Dichloroethane	0.53569	0.51065	0.55388	0.53707	0.57101	0.56321	AVRG		0.54525		4.03139
29 tert-Butyl Alcohol	0.02014	0.02245	0.01981	0.02018	0.02369	0.01974	AVRG		0.02100		7.88904
30 2-Butanone	0.17573	0.17853	0.18212	0.18971	0.21217	0.17394	AVRG		0.18537		7.69913
31 1,2-Dichloroethene (total)	0.42536	0.41263	0.46961	0.47836	0.49398	0.48690	AVRG		0.46114		7.34933
32 cis-1,2-dichloroethene	0.43877	0.42508	0.48100	0.48651	0.51143	0.50367	AVRG		0.47441		7.37469
33 2,2-Dichloropropane	0.24525	0.26891	0.29573	0.29030	0.31779	0.30965	AVRG		0.28794		9.33600
34 Bromochloromethane	0.10060	0.11817	0.11757	0.12406	0.13232	0.12819	AVRG		0.12015		9.27286
35 Chloroform	0.38586	0.40631	0.41929	0.41508	0.44556	0.42630	AVRG		0.41640		4.79440
36 Tetrahydrofuran	6485	10826	43064	89047	182624	401025	LINR	-0.07066	0.08783		0.99763
37 1,1,1-Trichloroethane	0.29882	0.27835	0.33823	0.34821	0.37084	0.35522	AVRG		0.33161		10.72713
38 1,1-Dichloropropene	0.32062	0.31854	0.36866	0.36876	0.38695	0.37224	AVRG		0.35596		8.14240
39 Carbon Tetrachloride	0.22222	0.22468	0.27533	0.27599	0.29911	0.29535	AVRG		0.26545		12.79438
40 1,2-Dichloroethane	0.36069	0.33768	0.39797	0.38796	0.41029	0.39891	AVRG		0.38225		7.20694
41 Benzene	1.08823	1.11020	1.16836	1.16631	1.23467	1.20908	AVRG		1.16281		4.81528
42 Trichloroethene	0.23380	0.24338	0.26900	0.28713	0.29815	0.29041	AVRG		0.27031		9.81901
43 1,2-Dichloropropane	0.32000	0.29274	0.32291	0.32785	0.33875	0.33507	AVRG		0.32289		5.07346

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ast Edit : 14-Jun-2005 18:27 a3ux9.i

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
44 1,4-Dioxane	0.00212	0.00278	0.00207	0.00220	0.00257	0.00192	AVRG		0.00228		14.46410	<-
45 Dibromomethane	0.11355	0.11922	0.12595	0.12792	0.13448	0.13290	AVRG		0.12567		6.40120	
46 Bromodichloromethane	0.23111	0.25282	0.29275	0.30390	0.32643	0.32199	AVRG		0.28817		13.33380	
47 2-Chloroethyl vinyl ether	3968	9601	65254	146727	333136	834907	LINR	0.15709	0.09265		0.99929	
48 cis-1,3-Dichloropropene	12728	32217	180390	398979	831227	2066687	LINR	0.04081	0.45565		0.99984	
49 4-Methyl-2-pentanone	0.25789	0.29167	0.29341	0.31438	0.36740	0.31410	AVRG		0.30647		11.83996	
50 Toluene	1.64133	1.69845	1.83930	1.83698	1.76006	1.79489	AVRG		1.76184		4.48948	
51 trans-1,3-Dichloropropene	0.37280	0.39908	0.45864	0.47732	0.49290	0.50962	AVRG		0.45173		12.02429	
52 Ethyl Methacrylate	7719	18129	124298	273107	629536	1507159	LINR	0.04314	0.44695		0.99974	
53 1,1,2-Trichloroethane	0.28443	0.30095	0.30627	0.31221	0.30226	0.29581	AVRG		0.30032		3.17218	
54 1,3-Dichloropropane	0.51193	0.49958	0.57300	0.58337	0.55760	0.55221	AVRG		0.54628		6.13389	
55 Tetrachloroethene	0.29586	0.29766	0.33199	0.31563	0.30588	0.30548	AVRG		0.30875		4.33438	
56 2-Hexanone	15913	34376	207162	518221	1166616	2424185	LINR	-0.05750	0.36241		0.99471	
57 Dibromochloromethane	6203	13169	84286	186160	407523	1006828	LINR	0.04210	0.29745		0.99991	
58 1,2-Dibromoethane	0.21357	0.22650	0.28374	0.28196	0.28859	0.28961	AVRG		0.26399		13.03707	
59 Chlorobenzene	1.03944	1.01166	1.16646	1.13478	1.13953	1.15775	AVRG		1.10827		5.92838	
60 1,1,1,2-Tetrachloroethane	0.32415	0.29935	0.33616	0.34166	0.35028	0.34877	AVRG		0.33340		5.75695	
61 Ethylbenzene	1.73772	1.65325	2.06293	2.04944	2.03284	2.07420	AVRG		1.93506		9.71520	
62 m + p-Xylene	1.36937	1.29491	1.57678	1.58841	1.59614	1.63377	AVRG		1.50990		9.33744	
63 Xylenes (total)	1.33664	1.30947	1.58996	1.60758	1.60484	1.63452	AVRG		1.51384		9.82429	
64 Xylene-o	1.27116	1.33859	1.61632	1.64593	1.62225	1.63602	AVRG		1.52171		11.14688	
65 Styrene	24486	51512	350673	781577	1758058	4414274	LINR	0.06261	1.30705		0.99969	

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ast Edit : 14-Jun-2005 18:27 a3ux9.i

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
66 Bromoform	3368	5508	42450	99787	232129	579667	LINR	0.07708	0.17226		0.99950	<-
67 Isopropylbenzene	1.47817	1.54582	1.86947	1.88429	1.88803	1.95179	AVRG		1.76960		11.45236	
68 1,1,2,2-Tetrachloroethane	0.72069	0.83359	0.86663	0.90305	0.87463	0.78709	AVRG		0.83095		8.06715	
69 1,4-Dichloro-2-butene	1643	5229	32864	76276	179743	473949	LINR	0.05061	0.30344		0.99976	
70 1,2,3-Trichloropropane	0.24573	0.24456	0.26997	0.26903	0.26362	0.23578	AVRG		0.25478		5.71220	
71 Bromobenzene	0.82975	0.90057	0.99835	1.00270	0.97374	0.91697	AVRG		0.93701		7.18439	
72 n-Propylbenzene	4.58850	4.71131	5.42509	5.62049	5.56615	5.37954	AVRG		5.21518		8.59730	
73 2-Chlorotoluene	0.92764	1.02582	1.12504	1.13734	1.10360	1.04713	AVRG		1.06109		7.41567	
74 1,3,5-Trimethylbenzene	2.85631	3.16497	3.55072	3.75603	3.70090	3.61391	AVRG		3.44047		10.29096	
75 4-Chlorotoluene	0.89622	1.00026	1.06610	1.09109	1.06052	1.02051	AVRG		1.02245		6.84562	
76 tert-Butylbenzene	2.85666	3.15167	3.71485	3.55357	3.29747	3.18153	AVRG		3.29263		9.29830	
77 1,2,4-Trimethylbenzene	2.84015	3.14461	3.42185	3.64481	3.67449	3.59648	AVRG		3.38707		9.80991	
78 sec-Butylbenzene	4.09384	4.15023	4.74732	4.81159	4.82844	4.68538	AVRG		4.55280		7.42304	
79 4-Isopropyltoluene	2.86882	3.15411	3.53514	3.71703	3.71627	3.71482	AVRG		3.45103		10.40664	
80 1,3-Dichlorobenzene	1.67229	1.72670	1.75090	1.81940	1.81987	1.78725	AVRG		1.76273		3.27808	
81 1,4-Dichlorobenzene	1.73707	1.67943	1.78592	1.84404	1.81223	1.81041	AVRG		1.77818		3.37766	
82 n-Butylbenzene	2.56549	2.67755	2.98923	3.09923	3.19631	3.23923	AVRG		2.96118		9.42497	
83 1,2-Dichlorobenzene	1.60404	1.54908	1.67939	1.72075	1.69898	1.65382	AVRG		1.65101		3.88529	
84 1,2-Dibromo-3-chloropropane	+++++	0.08552	0.09292	0.09979	0.10943	0.11293	AVRG		0.10012		11.34342	<-
85 1,2,4-Trichlorobenzene	0.63354	0.74384	0.82379	0.83731	0.86859	0.90145	AVRG		0.80142		12.20089	
86 Hexachlorobutadiene	0.36704	0.35895	0.38740	0.39800	0.40307	0.39569	AVRG		0.38503		4.67062	
87 Naphthalene	9279	27956	190733	428562	1067165	2934738	LINR	0.08800	1.88359		0.99914	

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Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
88 1,2,3-Trichlorobenzene	0.50415	0.72417	0.69530	0.74458	0.77417	0.77636	AVRG		0.70312		14.53509	
89 Ethyl Ether	0.22081	0.23545	0.25627	0.24713	0.24798	0.23702	AVRG		0.24078		5.16546	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	6745	12248	90762	172873	348318	887143	LINR	0.01488	0.14828		0.99993	
92 Isopropyl Ether	0.22787	0.22239	0.25519	0.24853	0.25032	0.24350	AVRG		0.24130		5.46423	
93 2-Chloro-1,3-butadiene	0.49628	0.49126	0.58644	0.58230	0.59465	0.59549	AVRG		0.55773		8.93313	
94 Propionitrile	0.04608	0.03309	0.04286	0.03929	0.03892	0.03709	AVRG		0.03956		11.40525	
95 Ethyl Acetate	0.32526	0.29670	0.30617	0.28999	0.30081	0.27336	AVRG		0.29871		5.77396	
96 Methacrylonitrile	0.17962	0.20877	0.21412	0.20012	0.19637	0.18370	AVRG		0.19712		6.88363	
97 Isobutanol	+++++	0.01120	0.01228	0.01080	0.01111	0.00922	AVRG		0.01092		10.09510	<-
98 Cyclohexane	0.55347	0.62833	0.71080	0.68865	0.74541	0.74162	AVRG		0.67805		10.98824	
99 n-Butanol	12553	23298	93624	166092	336622	689331	LINR	-3.39404	0.00737		0.99071	<-
100 Methyl Methacrylate	0.30451	0.25750	0.30111	0.28608	0.29401	0.28061	AVRG		0.28730		5.96001	
101 2-Nitropropane	13309	22243	90413	169595	340848	837033	LINR	-0.07630	0.06938		0.99988	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
103 Cyclohexanone	0.04933	0.04915	0.04680	0.04209	0.04380	0.03663	AVRG		0.04463		10.89739	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

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Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
141 1,3,5-Trichlorobenzene	0.90501	0.98059	1.04376	1.08287	1.08339	1.09914	AVRG		1.03246		7.33092	
143 Methyl Acetate	0.22867	0.23802	0.22169	0.22196	0.24521	0.22810	AVRG		0.23061		4.03315	
144 Methylcyclohexane	0.48999	0.48317	0.54425	0.52761	0.57641	0.55445	AVRG		0.52931		6.94236	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
146 2-Methylnaphthalene	3237	22486	127792	368759	1373706	3593215	LINR	0.98959	0.33792		0.99212	
147 Allyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
4 Dibromofluoromethane	0.17789	0.17873	0.20573	0.21759	0.21928	0.21478	AVRG		0.20233		9.48351	
5 1,2-Dichloroethane-d4	0.23351	0.27025	0.28120	0.28777	0.30339	0.28957	AVRG		0.27762		8.70849	
6 Toluene-d8	1.35577	1.25693	1.52305	1.50210	1.45225	1.45978	AVRG		1.42498		7.05617	
7 Bromofluorobenzene	0.45613	0.45845	0.52514	0.54566	0.54441	0.55780	AVRG		0.51460		8.86304	

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Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94051.D
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VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94051.D
Lab Smp Id: 250NG-IC
Inj Date : 13-JUN-2005 19:37
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 250NG-IC
Misc Info : N50613B,8260MIUX9,2-8260.SUB,1819,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\8260MIUX9.m
Meth Date : 14-Jun-2005 18:26 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	914313	50.0000	
* 2 Chlorobenzene-d5	117	7.747	7.747	(1.000)	681423	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	315555	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	981900	250.000	265.38(A)
$ 5 1,2-Dichloroethane-d4	65	4.825	4.825	(0.947)	1323784	250.000	260.76(A)
$ 6 Toluene-d8	98	6.446	6.446	(0.832)	4973644	250.000	256.10(A)
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	1900478	250.000	270.99(A)
8 Dichlorodifluoromethane	85	1.582	1.582	(0.311)	1216244	250.000	248.85
9 Chloromethane	50	1.736	1.736	(0.341)	2216058	250.000	259.24(A)
10 Vinyl Chloride	62	1.831	1.831	(0.359)	1708221	250.000	266.43(A)
11 Bromomethane	94	2.127	2.127	(0.417)	506144	250.000	229.42
12 Chloroethane	64	2.221	2.221	(0.436)	745830	250.000	246.59
13 Trichlorofluoromethane	101	2.351	2.351	(0.461)	1341790	250.000	249.41
15 Acrolein	56	2.671	2.671	(0.524)	2156248	2500.00	2570.7(A)
16 Acetone	43	2.789	2.789	(0.547)	1261210	500.000	405.63(A)
17 1,1-Dichloroethene	61	2.766	2.766	(0.543)	2178406	250.000	269.96(A)
18 Freon-113	151	2.825	2.825	(0.554)	862663	250.000	279.15(A)
19 Iodomethane	142	2.896	2.896	(0.568)	1631234	250.000	278.11(A)
20 Carbon Disulfide	76	2.955	2.955	(0.580)	4184563	250.000	277.61(A)
21 Methylene Chloride	84	3.144	3.144	(0.617)	1277894	250.000	248.80
22 Acetonitrile	41	3.014	3.014	(0.591)	1896373	2500.00	2354.7(A)
23 Acrylonitrile	53	3.322	3.322	(0.652)	5181890	2500.00	2593.2(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94051.D
Report Date: 14-Jun-2005 18:26

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.357	3.357	(0.659)	3074076	250.000	264.02(A)
25 trans-1,2-Dichloroethene	61	3.369	3.369	(0.661)	2149223	250.000	262.42(A)
26 Hexane	57	3.582	3.582	(0.703)	2592542	250.000	263.26(A)
27 Vinyl acetate	43	3.724	3.724	(0.731)	3220309	250.000	274.33(A)
28 1,1-Dichloroethane	63	3.700	3.700	(0.726)	2574734	250.000	258.23(A)
29 tert-Butyl Alcohol	59	3.203	3.203	(0.629)	1804751	5000.00	4699.5(A)
30 2-Butanone	43	4.150	4.150	(0.814)	1590320	500.000	469.17(A)
32 cis-1,2-dichloroethene	61	4.162	4.162	(0.817)	2302550	250.000	265.42(A)
33 2,2-Dichloropropane	77	4.162	4.162	(0.817)	1415570	250.000	268.85(A)
34 Bromochloromethane	128	4.351	4.351	(0.854)	586013	250.000	266.72(A)
35 Chloroform	83	4.410	4.410	(0.865)	1948845	250.000	255.94(A)
36 Tetrahydrofuran	42	4.399	4.399	(0.863)	401025	250.000	246.17
37 1,1,1-Trichloroethane	97	4.576	4.576	(0.898)	1623932	250.000	267.80(A)
38 1,1-Dichloropropene	75	4.706	4.706	(0.923)	1701718	250.000	261.43(A)
39 Carbon Tetrachloride	117	4.718	4.718	(0.926)	1350198	250.000	278.16(A)
40 1,2-Dichloroethane	62	4.884	4.884	(0.958)	1823663	250.000	260.90(A)
41 Benzene	78	4.884	4.884	(0.958)	5527368	250.000	259.95(A)
42 Trichloroethene	130	5.404	5.404	(1.060)	1327648	250.000	268.59(A)
43 1,2-Dichloropropane	63	5.594	5.594	(1.097)	1531796	250.000	259.43(A)
44 1,4-Dioxane	88	5.700	5.700	(1.118)	439331	12500.0	10546(A)
45 Dibromomethane	93	5.688	5.688	(1.116)	607583	250.000	264.40(A)
46 Bromodichloromethane	83	5.818	5.818	(1.142)	1471990	250.000	279.34(A)
48 cis-1,3-Dichloropropene	75	6.197	6.197	(1.216)	2066687	250.000	250.08(A)
49 4-Methyl-2-pentanone	43	6.315	6.315	(1.239)	2871828	500.000	512.44(A)
50 Toluene	91	6.505	6.505	(0.840)	6115413	250.000	254.69(A)
51 trans-1,3-Dichloropropene	75	6.682	6.682	(0.863)	1736335	250.000	282.04(A)
52 Ethyl Methacrylate	69	6.741	6.741	(0.870)	1507159	250.000	249.58
53 1,1,2-Trichloroethane	97	6.848	6.848	(0.884)	1007865	250.000	246.24
54 1,3-Dichloropropane	76	7.002	7.002	(0.904)	1881458	250.000	252.71(A)
55 Tetrachloroethene	164	7.002	7.002	(0.904)	1040795	250.000	247.35
56 2-Hexanone	43	7.049	7.049	(0.910)	2424185	500.000	487.94(A)
57 Dibromochloromethane	129	7.215	7.215	(0.931)	1006828	250.000	250.47(A)
58 1,2-Dibromoethane	107	7.321	7.321	(0.945)	986745	250.000	274.26(A)
59 Chlorobenzene	112	7.771	7.771	(1.003)	3944583	250.000	261.16(A)
60 1,1,1,2-Tetrachloroethane	131	7.842	7.842	(1.012)	1188308	250.000	261.53(A)
61 Ethylbenzene	91	7.866	7.866	(1.015)	7067021	250.000	267.97(A)
62 m + p-Xylene	91	7.972	7.972	(1.029)	11132893	500.000	541.02(A)
64 Xylene-o	91	8.351	8.351	(1.078)	5574112	250.000	268.78(A)
65 Styrene	104	8.363	8.363	(1.079)	4414274	250.000	250.94(A)
66 Bromoform	173	8.552	8.552	(1.104)	579667	250.000	250.77(A)
67 Isopropylbenzene	105	8.706	8.706	(1.124)	6649981	250.000	275.74(A)
68 1,1,2,2-Tetrachloroethane	83	8.978	8.978	(0.899)	1241856	250.000	236.81
69 1,4-Dichloro-2-butene	53	9.025	9.025	(0.904)	473949	250.000	250.02(A)
70 1,2,3-Trichloropropane	110	9.025	9.025	(0.904)	372013	250.000	231.36
71 Bromobenzene	156	9.001	9.001	(0.902)	1446778	250.000	244.65
72 n-Propylbenzene	91	9.096	9.096	(0.911)	8487698	250.000	257.88(A)
73 2-Chlorotoluene	126	9.191	9.191	(0.921)	1652139	250.000	246.71
74 1,3,5-Trimethylbenzene	105	9.262	9.262	(0.928)	5701933	250.000	262.60(A)
75 4-Chlorotoluene	126	9.297	9.297	(0.931)	1610133	250.000	249.52
76 tert-Butylbenzene	119	9.593	9.593	(0.961)	5019736	250.000	241.56
77 1,2,4-Trimethylbenzene	105	9.629	9.629	(0.964)	5674444	250.000	265.46(A)
78 sec-Butylbenzene	105	9.806	9.806	(0.982)	7392473	250.000	257.28(A)
79 4-Isopropyltoluene	119	9.948	9.948	(0.996)	5861152	250.000	269.11(A)
80 1,3-Dichlorobenzene	146	9.924	9.924	(0.994)	2819872	250.000	253.48(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94051.D
Report Date: 14-Jun-2005 18:26

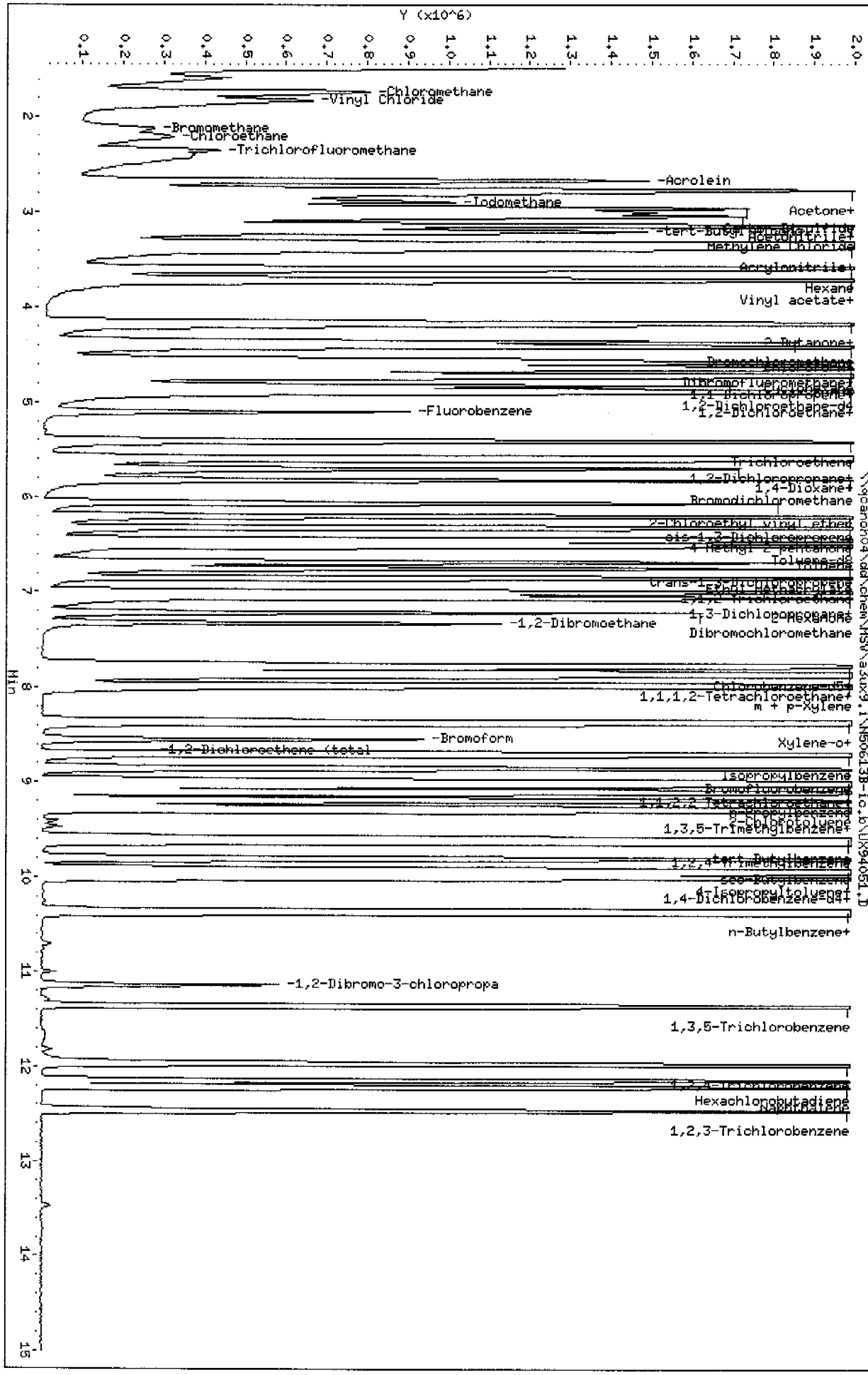
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
81 1,4-Dichlorobenzene	146	10.007	10.007	(1.002)	2856414	250.000	254.53(A)
82 n-Butylbenzene	91	10.350	10.350	(1.037)	5110776	250.000	273.47(A)
83 1,2-Dichlorobenzene	146	10.374	10.374	(1.039)	2609360	250.000	250.42(A)
84 1,2-Dibromo-3-chloropropane	157	11.131	11.131	(1.115)	178174	250.000	281.98(A)
85 1,2,4-Trichlorobenzene	180	11.972	11.972	(1.199)	1422285	250.000	281.20(A)
86 Hexachlorobutadiene	225	12.149	12.149	(1.217)	624315	250.000	256.93(A)
87 Naphthalene	128	12.220	12.220	(1.224)	2934738	250.000	251.28(A)
88 1,2,3-Trichlorobenzene	180	12.457	12.457	(1.248)	1224928	250.000	276.04(A)
98 Cyclohexane	56	4.635	4.635	(0.909)	3390345	250.000	273.44(A)
143 Methyl Acetate	43	3.050	3.050	(0.598)	2085580	500.000	494.57(A)
144 Methylcyclohexane	83	5.582	5.582	(1.095)	2534700	250.000	261.87(A)
141 1,3,5-Trichlorobenzene	180	11.356	11.356	(1.137)	1734202	250.000	266.15(A)
47 2-Chloroethyl vinyl ether	63	6.055	6.055	(1.188)	834907	500.000	500.66(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanon04\dd\chem\MSV\a3ux9.i\N506613B-ic.b\UX94051.D
Date : 13-JUN-2005 19:37
Client ID:
Sample Info: 250NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94052.D
Report Date: 14-Jun-2005 18:26

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94052.D
Lab Smp Id: 100NG-IC
Inj Date : 13-JUN-2005 19:59
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 100NG-IC
Misc Info : N50613B,8260MIUX9,2-8260.SUB,1819,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\8260MIUX9.m
Meth Date : 14-Jun-2005 18:26 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 21:33 Cal File: UX93512.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	924123	50.0000	
* 2 Chlorobenzene-d5	117	7.747	7.747	(1.000)	704142	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	300624	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	405277	100.000	108.37
$ 5 1,2-Dichloroethane-d4	65	4.825	4.825	(0.947)	560745	100.000	109.28
$ 6 Toluene-d8	98	6.446	6.446	(0.832)	2045183	100.000	101.91
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	766686	100.000	105.79
8 Dichlorodifluoromethane	85	1.594	1.594	(0.313)	509462	100.000	104.11
9 Chloromethane	50	1.736	1.736	(0.341)	888289	100.000	102.81
10 Vinyl Chloride	62	1.831	1.831	(0.359)	694824	100.000	107.22
11 Bromomethane	94	2.127	2.127	(0.417)	230985	100.000	103.59
12 Chloroethane	64	2.221	2.221	(0.436)	329904	100.000	106.50
13 Trichlorofluoromethane	101	2.352	2.352	(0.461)	550470	100.000	101.84
15 Acrolein	56	2.671	2.671	(0.524)	937497	1000.00	1105.8(A)
16 Acetone	43	2.789	2.789	(0.547)	643981	200.000	204.92
17 1,1-Dichloroethene	61	2.766	2.766	(0.543)	906504	100.000	111.15
18 Freon-113	151	2.837	2.837	(0.557)	338559	100.000	108.39
19 Iodomethane	142	2.896	2.896	(0.568)	661263	100.000	111.54
20 Carbon Disulfide	76	2.967	2.967	(0.582)	1704546	100.000	111.88
21 Methylene Chloride	84	3.144	3.144	(0.617)	545285	100.000	102.84
22 Acetonitrile	41	3.014	3.014	(0.591)	838279	1000.00	1029.8(A)
23 Acrylonitrile	53	3.322	3.322	(0.652)	2234825	1000.00	1106.5(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94052.D
Report Date: 14-Jun-2005 18:26

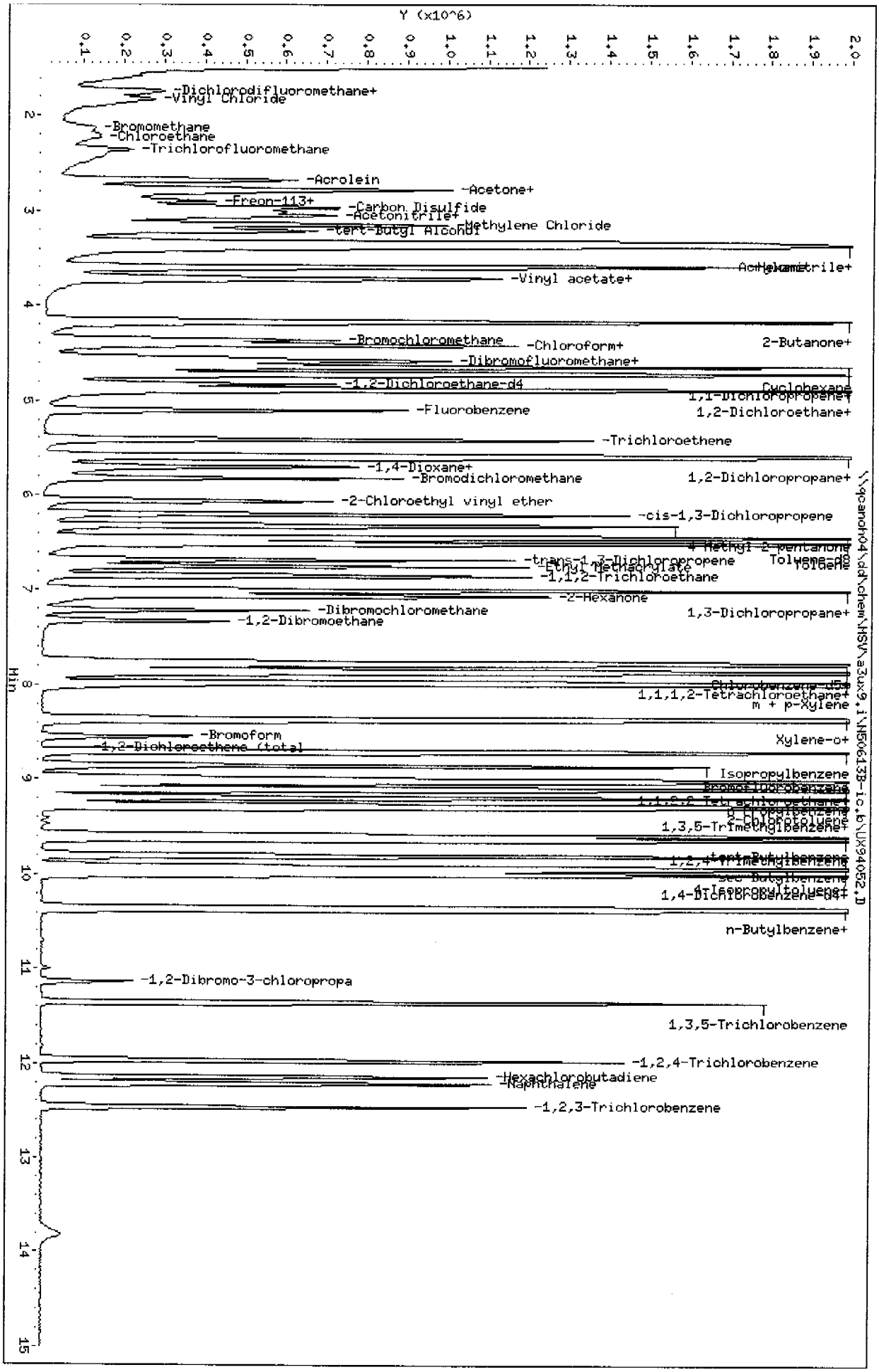
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.357	3.357	(0.659)	1322027	100.000	112.34
25 trans-1,2-Dichloroethene	61	3.369	3.369	(0.661)	880723	100.000	106.40
26 Hexane	57	3.582	3.582	(0.703)	1096688	100.000	110.18
27 Vinyl acetate	43	3.724	3.724	(0.731)	1335542	100.000	112.56
28 1,1-Dichloroethane	63	3.700	3.700	(0.726)	1055367	100.000	104.72
29 tert-Butyl Alcohol	59	3.204	3.204	(0.629)	875572	2000.00	2255.8(A)
30 2-Butanone	43	4.150	4.150	(0.814)	784300	200.000	228.92
32 cis-1,2-dichloroethene	61	4.162	4.162	(0.817)	945255	100.000	107.80
33 2,2-Dichloropropane	77	4.162	4.162	(0.817)	587356	100.000	110.37
34 Bromochloromethane	128	4.363	4.363	(0.856)	244558	100.000	110.13
35 Chloroform	83	4.410	4.410	(0.865)	823501	100.000	107.00
36 Tetrahydrofuran	42	4.399	4.399	(0.863)	182624	100.000	108.97
37 1,1,1-Trichloroethane	97	4.576	4.576	(0.898)	685402	100.000	111.83
38 1,1-Dichloropropene	75	4.706	4.706	(0.923)	715186	100.000	108.71
39 Carbon Tetrachloride	117	4.718	4.718	(0.926)	552836	100.000	112.68
40 1,2-Dichloroethane	62	4.884	4.884	(0.958)	758325	100.000	107.34
41 Benzene	78	4.884	4.884	(0.958)	2281967	100.000	106.18
42 Trichloroethene	130	5.404	5.404	(1.060)	551058	100.000	110.30
43 1,2-Dichloropropane	63	5.594	5.594	(1.097)	626092	100.000	104.91
44 1,4-Dioxane	88	5.700	5.700	(1.118)	237881	5000.00	5649.4(A)
45 Dibromomethane	93	5.700	5.700	(1.118)	248544	100.000	107.01
46 Bromodichloromethane	83	5.819	5.819	(1.142)	603332	100.000	113.28
48 cis-1,3-Dichloropropene	75	6.197	6.197	(1.216)	831227	100.000	100.74
49 4-Methyl-2-pentanone	43	6.316	6.316	(1.239)	1358099	200.000	239.76
50 Toluene	91	6.505	6.505	(0.840)	2478661	100.000	99.899
51 trans-1,3-Dichloropropene	75	6.682	6.682	(0.863)	694147	100.000	109.12
52 Ethyl Methacrylate	69	6.742	6.742	(0.870)	629536	100.000	102.17
53 1,1,2-Trichloroethane	97	6.848	6.848	(0.884)	425665	100.000	100.64
54 1,3-Dichloropropane	76	7.002	7.002	(0.904)	785253	100.000	102.07
55 Tetrachloroethene	164	7.002	7.002	(0.904)	430769	100.000	99.071
56 2-Hexanone	43	7.061	7.061	(0.911)	1166616	200.000	225.70
57 Dibromochloromethane	129	7.215	7.215	(0.931)	407523	100.000	99.390
58 1,2-Dibromoethane	107	7.321	7.321	(0.945)	406420	100.000	109.32
59 Chlorobenzene	112	7.771	7.771	(1.003)	1604780	100.000	102.82
60 1,1,1,2-Tetrachloroethane	131	7.842	7.842	(1.012)	493298	100.000	105.06
61 Ethylbenzene	91	7.866	7.866	(1.015)	2862813	100.000	105.05
62 m + p-Xylene	91	7.972	7.972	(1.029)	4495627	200.000	211.42
64 Xylene-o	91	8.351	8.351	(1.078)	2284587	100.000	106.61
65 Styrene	104	8.363	8.363	(1.079)	1758058	100.000	98.641
66 Bromoform	173	8.552	8.552	(1.104)	232129	100.000	99.542
67 Isopropylbenzene	105	8.706	8.706	(1.124)	2658888	100.000	106.69
68 1,1,2,2-Tetrachloroethane	83	8.978	8.978	(0.899)	525872	100.000	105.26
69 1,4-Dichloro-2-butene	53	9.037	9.037	(0.905)	179743	100.000	101.05
70 1,2,3-Trichloropropane	110	9.025	9.025	(0.904)	158498	100.000	103.47
71 Bromobenzene	156	9.002	9.002	(0.902)	585457	100.000	103.92
72 n-Propylbenzene	91	9.096	9.096	(0.911)	3346638	100.000	106.73
73 2-Chlorotoluene	126	9.191	9.191	(0.921)	663539	100.000	104.01
74 1,3,5-Trimethylbenzene	105	9.262	9.262	(0.928)	2225157	100.000	107.57
75 4-Chlorotoluene	126	9.297	9.297	(0.931)	637638	100.000	103.72
76 tert-Butylbenzene	119	9.581	9.581	(0.960)	1982600	100.000	100.15
77 1,2,4-Trimethylbenzene	105	9.629	9.629	(0.964)	2209282	100.000	108.48
78 sec-Butylbenzene	105	9.806	9.806	(0.982)	2903088	100.000	106.05
79 4-Isopropyltoluene	119	9.936	9.936	(0.995)	2234399	100.000	107.68
80 1,3-Dichlorobenzene	146	9.913	9.913	(0.993)	1094191	100.000	103.24

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94052.D
Report Date: 14-Jun-2005 18:26

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
81 1,4-Dichlorobenzene	146	10.007	10.007	(1.002)	1089597	100.000	101.91
82 n-Butylbenzene	91	10.351	10.351	(1.037)	1921776	100.000	107.94
83 1,2-Dichlorobenzene	146	10.374	10.374	(1.039)	1021511	100.000	102.90
84 1,2-Dibromo-3-chloropropane	157	11.143	11.143	(1.116)	65797	100.000	109.30
85 1,2,4-Trichlorobenzene	180	11.972	11.972	(1.199)	522238	100.000	108.38
86 Hexachlorobutadiene	225	12.137	12.137	(1.216)	242348	100.000	104.69
87 Naphthalene	128	12.208	12.208	(1.223)	1067165	100.000	98.631
88 1,2,3-Trichlorobenzene	180	12.457	12.457	(1.248)	465467	100.000	110.10
98 Cyclohexane	56	4.635	4.635	(0.909)	1377703	100.000	109.94
143 Methyl Acetate	43	3.050	3.050	(0.598)	906410	200.000	212.66
144 Methylcyclohexane	83	5.582	5.582	(1.095)	1065345	100.000	108.90
141 1,3,5-Trichlorobenzene	180	11.356	11.356	(1.137)	651388	100.000	104.93
47 2-Chloroethyl vinyl ether	63	6.055	6.055	(1.188)	333136	200.000	202.40

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\M506138-ic.b\UX94052.D
Date : 13-JUN-2005 19:59
Client ID:
Sample Info: 100NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Freon-113+
-Carbon Disulfide
-Acetonitrile+
-Methylene Chloride
-tert-Butyl Alcohol
-Vinyl acetate+
-Bromochloromethane
-Chloroform+
2-Butanone+
-Dibromofluoromethane+
-1,2-Dichloroethane-d4
Cyclohexane
1,1-Dichloropropene+
-Fluorobenzene
1,2-Dichloroethane+
-Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
4-Methyl-2-pentanone
-trans-1,3-Dichloropropene
Toluene-d8
Toluene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
1,2-Dichloroethene (total)
Xylene-o+
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene+
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
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Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94053.D
Report Date: 14-Jun-2005 18:27

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94053.D
Lab Smp Id: 50NG-IC
Inj Date : 13-JUN-2005 20:21
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 50NG-IC
Misc Info : N50613B,8260MIUX9,2-8260.SUB,1819,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\8260MIUX9.m
Meth Date : 14-Jun-2005 18:27 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 23:25 Cal File: UX93517.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	940476	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	666783	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	274152	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	204637	50.0000	53.770
$ 5 1,2-Dichloroethane-d4	65	4.825	4.825	(0.947)	270642	50.0000	51.829
$ 6 Toluene-d8	98	6.446	6.446	(0.832)	1001576	50.0000	52.706
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	363834	50.0000	53.018
8 Dichlorodifluoromethane	85	1.583	1.583	(0.311)	234341	50.0000	47.966
9 Chloromethane	50	1.737	1.737	(0.341)	446730	50.0000	50.806
10 Vinyl Chloride	62	1.831	1.831	(0.359)	347755	50.0000	52.730
11 Bromomethane	94	2.127	2.127	(0.417)	123210	50.0000	54.294
12 Chloroethane	64	2.234	2.234	(0.438)	170235	50.0000	52.760
13 Trichlorofluoromethane	101	2.352	2.352	(0.461)	268628	50.0000	49.371
15 Acrolein	56	2.671	2.671	(0.524)	440840	500.000	510.94(A)
16 Acetone	43	2.790	2.790	(0.547)	306857	100.000	95.946
17 1,1-Dichloroethene	61	2.766	2.766	(0.543)	439726	50.0000	52.978
18 Freon-113	151	2.837	2.837	(0.557)	160789	50.0000	50.582
19 Iodomethane	142	2.896	2.896	(0.568)	320943	50.0000	53.196
20 Carbon Disulfide	76	2.967	2.967	(0.582)	815126	50.0000	52.573
21 Methylene Chloride	84	3.145	3.145	(0.617)	281514	50.0000	50.298
22 Acetonitrile	41	3.015	3.015	(0.591)	397856	500.000	480.27(A)
23 Acrylonitrile	53	3.334	3.334	(0.654)	1046120	500.000	508.95(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94053.D
Report Date: 14-Jun-2005 18:27

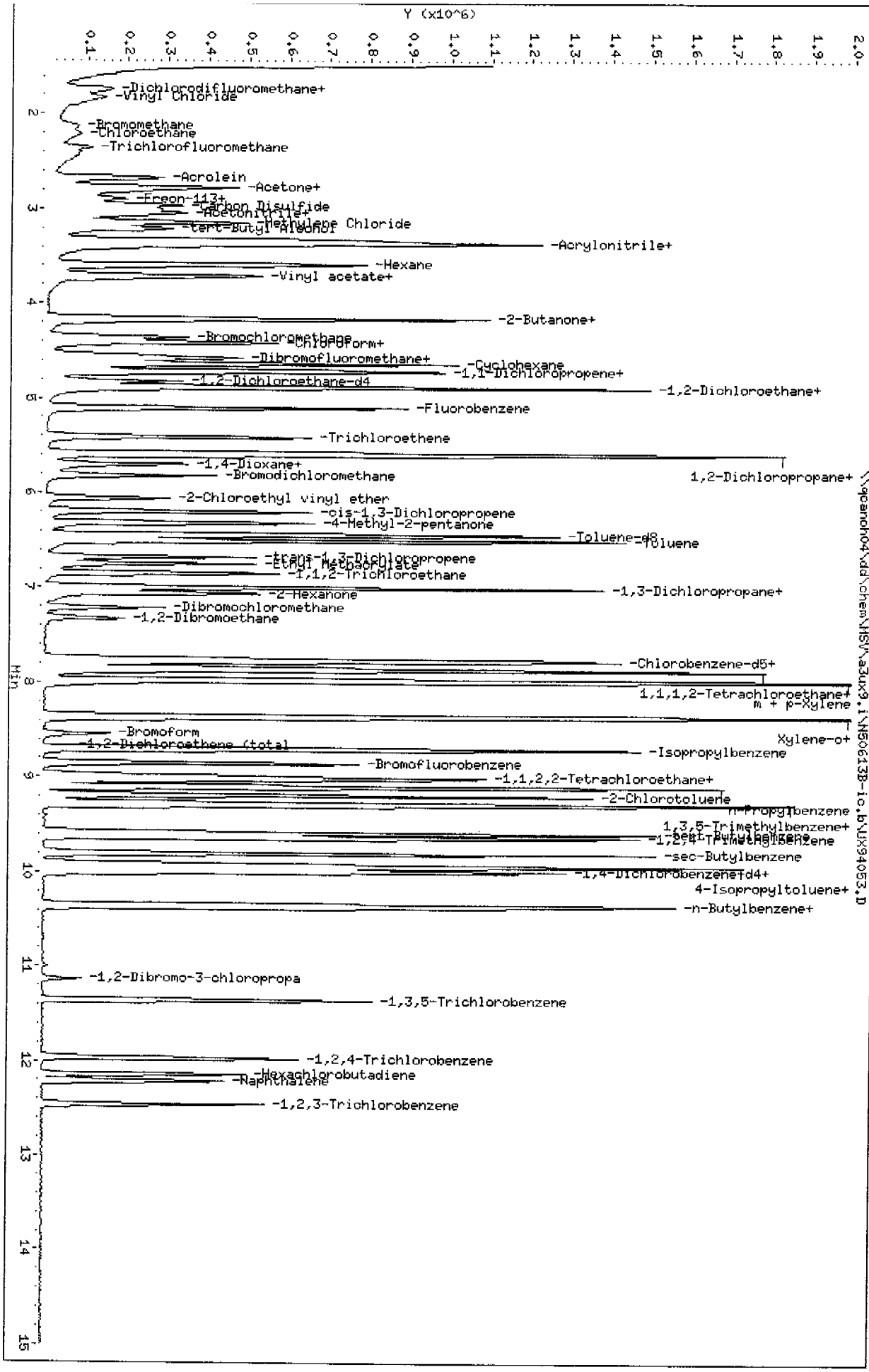
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.358	3.358	(0.659)	606382	50.0000	50.631
25 trans-1,2-Dichloroethene	61	3.370	3.370	(0.661)	442228	50.0000	52.495
26 Hexane	57	3.583	3.583	(0.703)	496444	50.0000	49.009
27 Vinyl acetate	43	3.725	3.725	(0.731)	623754	50.0000	51.657
28 1,1-Dichloroethane	63	3.701	3.701	(0.726)	505104	50.0000	49.250
29 tert-Butyl Alcohol	59	3.204	3.204	(0.629)	379549	1000.00	960.84(A)
30 2-Butanone	43	4.151	4.151	(0.814)	356843	100.000	102.34
32 cis-1,2-dichloroethene	61	4.162	4.162	(0.817)	457547	50.0000	51.275
33 2,2-Dichloropropane	77	4.162	4.162	(0.817)	273017	50.0000	50.410
34 Bromochloromethane	128	4.364	4.364	(0.856)	116675	50.0000	51.626
35 Chloroform	83	4.411	4.411	(0.865)	390369	50.0000	49.841
36 Tetrahydrofuran	42	4.399	4.399	(0.863)	89047	50.0000	50.370
37 1,1,1-Trichloroethane	97	4.577	4.577	(0.898)	327480	50.0000	52.502
38 1,1-Dichloropropene	75	4.707	4.707	(0.923)	346812	50.0000	51.798
39 Carbon Tetrachloride	117	4.719	4.719	(0.926)	259564	50.0000	51.986
40 1,2-Dichloroethane	62	4.884	4.884	(0.958)	364871	50.0000	50.747
41 Benzene	78	4.884	4.884	(0.958)	1096883	50.0000	50.150
42 Trichloroethene	130	5.405	5.405	(1.060)	270041	50.0000	53.111
43 1,2-Dichloropropane	63	5.594	5.594	(1.097)	308338	50.0000	50.769
44 1,4-Dioxane	88	5.701	5.701	(1.118)	103505	2500.00	2415.4(A)
45 Dibromomethane	93	5.701	5.701	(1.118)	120301	50.0000	50.894
46 Bromodichloromethane	83	5.819	5.819	(1.142)	285806	50.0000	52.729
48 cis-1,3-Dichloropropene	75	6.198	6.198	(1.216)	398979	50.0000	48.593
49 4-Methyl-2-pentanone	43	6.316	6.316	(1.239)	591327	100.000	102.58
50 Toluene	91	6.505	6.505	(0.840)	1224868	50.0000	52.132
51 trans-1,3-Dichloropropene	75	6.683	6.683	(0.863)	318266	50.0000	52.832
52 Ethyl Methacrylate	69	6.742	6.742	(0.870)	273107	50.0000	47.977
53 1,1,2-Trichloroethane	97	6.848	6.848	(0.884)	208176	50.0000	51.979
54 1,3-Dichloropropane	76	7.002	7.002	(0.904)	388984	50.0000	53.395
55 Tetrachloroethene	164	7.002	7.002	(0.904)	210455	50.0000	51.114
56 2-Hexanone	43	7.061	7.061	(0.911)	518221	100.000	104.35
57 Dibromochloromethane	129	7.215	7.215	(0.931)	186160	50.0000	49.036
58 1,2-Dibromoethane	107	7.322	7.322	(0.945)	188004	50.0000	53.402
59 Chlorobenzene	112	7.771	7.771	(1.003)	756654	50.0000	51.196
60 1,1,1,2-Tetrachloroethane	131	7.842	7.842	(1.012)	227814	50.0000	51.240
61 Ethylbenzene	91	7.866	7.866	(1.015)	1366534	50.0000	52.955
62 m + p-Xylene	91	7.973	7.973	(1.029)	2118244	100.000	105.20
64 Xylene-o	91	8.351	8.351	(1.078)	1097476	50.0000	54.081
65 Styrene	104	8.363	8.363	(1.079)	781577	50.0000	47.970
66 Bromoform	173	8.541	8.541	(1.102)	99787	50.0000	47.293
67 Isopropylbenzene	105	8.706	8.706	(1.124)	1256413	50.0000	53.241
68 1,1,2,2-Tetrachloroethane	83	8.978	8.978	(0.899)	247572	50.0000	54.338
69 1,4-Dichloro-2-butene	53	9.026	9.026	(0.904)	76276	50.0000	48.376
70 1,2,3-Trichloropropane	110	9.026	9.026	(0.904)	73754	50.0000	52.795
71 Bromobenzene	156	9.002	9.002	(0.902)	274891	50.0000	53.505
72 n-Propylbenzene	91	9.097	9.097	(0.911)	1540869	50.0000	53.886
73 2-Chlorotoluene	126	9.191	9.191	(0.921)	311803	50.0000	53.593
74 1,3,5-Trimethylbenzene	105	9.262	9.262	(0.928)	1029724	50.0000	54.586
75 4-Chlorotoluene	126	9.298	9.298	(0.931)	299124	50.0000	53.356
76 tert-Butylbenzene	119	9.582	9.582	(0.960)	974217	50.0000	53.962
77 1,2,4-Trimethylbenzene	105	9.629	9.629	(0.964)	999232	50.0000	53.805
78 sec-Butylbenzene	105	9.807	9.807	(0.982)	1319108	50.0000	52.842
79 4-Isopropyltoluene	119	9.949	9.949	(0.996)	1019031	50.0000	53.854
80 1,3-Dichlorobenzene	146	9.925	9.925	(0.994)	498792	50.0000	51.607

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94053.D
Report Date: 14-Jun-2005 18:27

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
81 1,4-Dichlorobenzene	146	10.008	10.008	(1.002)	505547	50.0000	51.852
82 n-Butylbenzene	91	10.351	10.351	(1.037)	849661	50.0000	52.331
83 1,2-Dichlorobenzene	146	10.375	10.375	(1.039)	471748	50.0000	52.112
84 1,2-Dibromo-3-chloropropane	157	11.144	11.144	(1.116)	27357	50.0000	49.835
85 1,2,4-Trichlorobenzene	180	11.972	11.972	(1.199)	229551	50.0000	52.239
86 Hexachlorobutadiene	225	12.138	12.138	(1.216)	109112	50.0000	51.684
87 Naphthalene	128	12.209	12.209	(1.223)	428562	50.0000	45.896
88 1,2,3-Trichlorobenzene	180	12.457	12.457	(1.248)	204129	50.0000	52.948
98 Cyclohexane	56	4.636	4.636	(0.909)	647655	50.0000	50.782
143 Methyl Acetate	43	3.050	3.050	(0.598)	417493	100.000	96.249
144 Methylcyclohexane	83	5.582	5.582	(1.095)	496202	50.0000	49.839
141 1,3,5-Trichlorobenzene	180	11.357	11.357	(1.137)	296872	50.0000	52.441
47 2-Chloroethyl vinyl ether	63	6.056	6.056	(1.188)	146727	100.000	92.050

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\HSV\a3ux9.i\H506138-ic.b\UX94053.D
Date : 13-JUN-2005 20:21
Client ID:
Sample Info: 50NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Freon-113+
-Carbon Disulfide
-Acetonitrile+
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
-1,3-Dichloropropane+
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
-1,2-Dichloroethene (total
Xylene-o+
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-2-Chlorotoluene
n-Propylbenzene
1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-1,4-Dichlorobenzene-d4+
4-Isopropyltoluene+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
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Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94054.D
Report Date: 14-Jun-2005 18:26

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94054.D
Lab Smp Id: 25NG-IC
Inj Date : 13-JUN-2005 20:43
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 25NG-IC
Misc Info : N50613B,8260MIUX9,2-8260.SUB,1819,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\8260MIUX9.m
Meth Date : 14-Jun-2005 18:26 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 21:56 Cal File: UX93513.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.098	5.098	(1.000)	924893	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	640367	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.985	9.985	(1.000)	264130	50.0000	
$ 4 Dibromofluoromethane	113	4.542	4.542	(0.891)	95137	25.0000	25.419
$ 5 1,2-Dichloroethane-d4	65	4.826	4.826	(0.947)	130041	25.0000	25.323
$ 6 Toluene-d8	98	6.447	6.447	(0.832)	487656	25.0000	26.720
$ 7 Bromofluorobenzene	95	8.849	8.849	(1.142)	168141	25.0000	25.512
8 Dichlorodifluoromethane	85	1.595	1.595	(0.313)	105686	25.0000	22.898
9 Chloromethane	50	1.737	1.737	(0.341)	218899	25.0000	25.314
10 Vinyl Chloride	62	1.832	1.832	(0.359)	174527	25.0000	26.910
11 Bromomethane	94	2.128	2.128	(0.417)	60497	25.0000	27.108
12 Chloroethane	64	2.222	2.222	(0.436)	84066	25.0000	25.240
13 Trichlorofluoromethane	101	2.364	2.364	(0.464)	129257	25.0000	24.681
15 Acrolein	56	2.672	2.672	(0.524)	211871	250.000	249.70
16 Acetone	43	2.790	2.790	(0.547)	143872	50.0000	45.743
17 1,1-Dichloroethene	61	2.767	2.767	(0.543)	219086	25.0000	26.840
18 Freon-113	151	2.838	2.838	(0.557)	80497	25.0000	25.750
19 Iodomethane	142	2.897	2.897	(0.568)	153383	25.0000	25.852
20 Carbon Disulfide	76	2.968	2.968	(0.582)	399393	25.0000	26.193
21 Methylene Chloride	84	3.145	3.145	(0.617)	146767	25.0000	24.878
22 Acetonitrile	41	3.015	3.015	(0.592)	186088	250.000	228.42
23 Acrylonitrile	53	3.335	3.335	(0.654)	501910	250.000	248.30

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94054.D
Report Date: 14-Jun-2005 18:26

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.358	3.358	(0.659)	303081	25.0000	25.733
25 trans-1,2-Dichloroethene	61	3.370	3.370	(0.661)	211902	25.0000	25.578
26 Hexane	57	3.583	3.583	(0.703)	255218	25.0000	25.620
27 Vinyl acetate	43	3.725	3.725	(0.731)	286878	25.0000	24.159
28 1,1-Dichloroethane	63	3.701	3.701	(0.726)	256138	25.0000	25.395
29 tert-Butyl Alcohol	59	3.204	3.204	(0.629)	183223	500.000	471.65(A)
30 2-Butanone	43	4.163	4.163	(0.817)	168439	50.0000	49.123
32 cis-1,2-dichloroethene	61	4.163	4.163	(0.817)	222436	25.0000	25.347
33 2,2-Dichloropropane	77	4.163	4.163	(0.817)	136761	25.0000	25.677
34 Bromochloromethane	128	4.364	4.364	(0.856)	54372	25.0000	24.464
35 Chloroform	83	4.411	4.411	(0.865)	193898	25.0000	25.173
36 Tetrahydrofuran	42	4.400	4.400	(0.863)	43064	25.0000	22.974
37 1,1,1-Trichloroethane	97	4.577	4.577	(0.898)	156411	25.0000	25.498
38 1,1-Dichloropropene	75	4.707	4.707	(0.923)	170487	25.0000	25.892
39 Carbon Tetrachloride	117	4.719	4.719	(0.926)	127327	25.0000	25.931
40 1,2-Dichloroethane	62	4.885	4.885	(0.958)	184038	25.0000	26.028
41 Benzene	78	4.885	4.885	(0.958)	540305	25.0000	25.119
42 Trichloroethene	130	5.417	5.417	(1.063)	124400	25.0000	24.879
43 1,2-Dichloropropane	63	5.595	5.595	(1.097)	149327	25.0000	25.002
44 1,4-Dioxane	88	5.701	5.701	(1.118)	47791	1250.00	1134.0(A)
45 Dibromomethane	93	5.701	5.701	(1.118)	58244	25.0000	25.056
46 Bromodichloromethane	83	5.820	5.820	(1.142)	135380	25.0000	25.398
48 cis-1,3-Dichloropropene	75	6.198	6.198	(1.216)	180390	25.0000	23.443
49 4-Methyl-2-pentanone	43	6.317	6.317	(1.239)	271370	50.0000	47.868
50 Toluene	91	6.506	6.506	(0.840)	588913	25.0000	26.099
51 trans-1,3-Dichloropropene	75	6.683	6.683	(0.863)	146850	25.0000	25.383
52 Ethyl Methacrylate	69	6.742	6.742	(0.870)	124298	25.0000	23.871
53 1,1,2-Trichloroethane	97	6.849	6.849	(0.884)	98064	25.0000	25.495
54 1,3-Dichloropropane	76	7.003	7.003	(0.904)	183465	25.0000	26.223
55 Tetrachloroethene	164	7.003	7.003	(0.904)	106298	25.0000	26.882
56 2-Hexanone	43	7.062	7.062	(0.911)	207162	50.0000	41.757
57 Dibromochloromethane	129	7.216	7.216	(0.931)	84286	25.0000	24.230
58 1,2-Dibromoethane	107	7.322	7.322	(0.945)	90849	25.0000	26.870
59 Chlorobenzene	112	7.772	7.772	(1.003)	373482	25.0000	26.313
60 1,1,1,2-Tetrachloroethane	131	7.843	7.843	(1.012)	107632	25.0000	25.207
61 Ethylbenzene	91	7.867	7.867	(1.015)	660517	25.0000	26.652
62 m + p-Xylene	91	7.973	7.973	(1.029)	1009720	50.0000	52.215
64 Xylene-o	91	8.352	8.352	(1.078)	517518	25.0000	26.554
65 Styrene	104	8.364	8.364	(1.079)	350673	25.0000	24.079
66 Bromoform	173	8.541	8.541	(1.102)	42450	25.0000	23.095
67 Isopropylbenzene	105	8.707	8.707	(1.124)	598574	25.0000	26.411
68 1,1,2,2-Tetrachloroethane	83	8.979	8.979	(0.899)	114452	25.0000	26.074
69 1,4-Dichloro-2-butene	53	9.026	9.026	(0.904)	32864	25.0000	23.033
70 1,2,3-Trichloropropane	110	9.026	9.026	(0.904)	35654	25.0000	26.491
71 Bromobenzene	156	9.003	9.003	(0.902)	131847	25.0000	26.636
72 n-Propylbenzene	91	9.097	9.097	(0.911)	716464	25.0000	26.006
73 2-Chlorotoluene	126	9.192	9.192	(0.921)	148578	25.0000	26.506
74 1,3,5-Trimethylbenzene	105	9.263	9.263	(0.928)	468926	25.0000	25.801
75 4-Chlorotoluene	126	9.298	9.298	(0.931)	140794	25.0000	26.067
76 tert-Butylbenzene	119	9.582	9.582	(0.960)	490602	25.0000	28.206
77 1,2,4-Trimethylbenzene	105	9.630	9.630	(0.964)	451907	25.0000	25.257
78 sec-Butylbenzene	105	9.807	9.807	(0.982)	626955	25.0000	26.068
79 4-Isopropyltoluene	119	9.949	9.949	(0.996)	466868	25.0000	25.609
80 1,3-Dichlorobenzene	146	9.914	9.914	(0.993)	231233	25.0000	24.832

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94054.D
Report Date: 14-Jun-2005 18:26

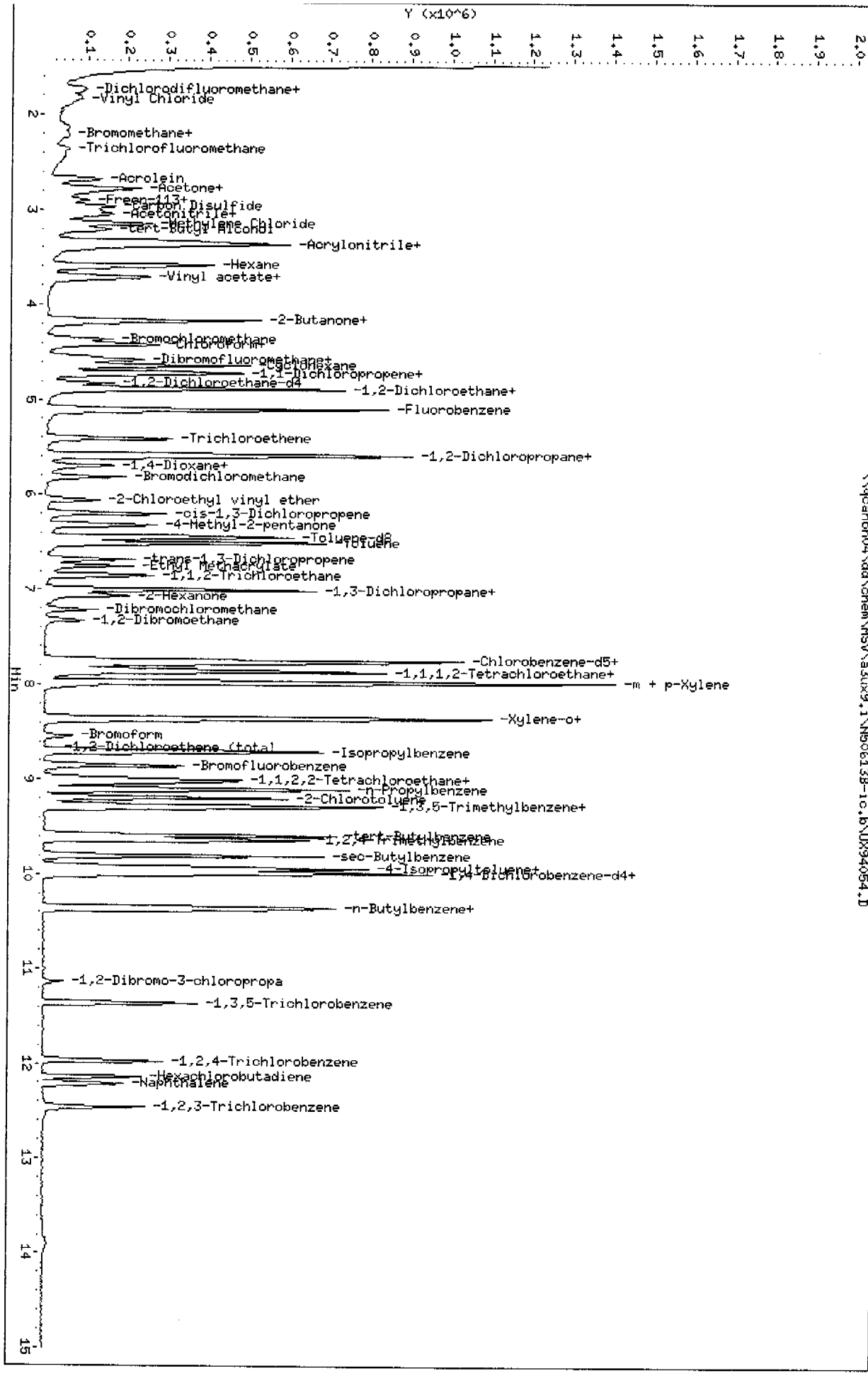
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
81 1,4-Dichlorobenzene	146	10.008	10.008	(1.002)	235857	25.0000	25.109
82 n-Butylbenzene	91	10.351	10.351	(1.037)	394773	25.0000	25.237
83 1,2-Dichlorobenzene	146	10.375	10.375	(1.039)	221788	25.0000	25.430
84 1,2-Dibromo-3-chloropropane	157	11.132	11.132	(1.115)	12272	25.0000	23.204
85 1,2,4-Trichlorobenzene	180	11.973	11.973	(1.199)	108794	25.0000	25.698
86 Hexachlorobutadiene	225	12.150	12.150	(1.217)	51162	25.0000	25.154
87 Naphthalene	128	12.209	12.209	(1.223)	190733	25.0000	23.569
88 1,2,3-Trichlorobenzene	180	12.458	12.458	(1.248)	91825	25.0000	24.722
98 Cyclohexane	56	4.636	4.636	(0.909)	328708	25.0000	26.208
143 Methyl Acetate	43	3.051	3.051	(0.598)	205035	50.0000	48.065
144 Methylcyclohexane	83	5.583	5.583	(1.095)	251688	25.0000	25.706
141 1,3,5-Trichlorobenzene	180	11.357	11.357	(1.137)	137844	25.0000	25.274
47 2-Chloroethyl vinyl ether	63	6.056	6.056	(1.188)	65254	50.0000	45.930

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanch04\dd\chem\MSV\a3ux9,i\N506138-ic,b\UX94054.D
Date : 13-JUN-2005 20:43
Client ID:
Sample Info: 25NC-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9,i
Operator: 1819
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94055.D
Report Date: 14-Jun-2005 18:26

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94055.D
Lab Smp Id: 5NG-IC
Inj Date : 13-JUN-2005 21:06
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 5NG-IC
Misc Info : N50613B,8260MIUX9,2-8260.SUB,1819,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\8260MIUX9.m
Meth Date : 14-Jun-2005 18:26 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 22:41 Cal File: UX93515.D
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.098	5.098	(1.000)	879136	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	638275	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.985	9.985	(1.000)	229310	50.0000	
$ 4 Dibromofluoromethane	113	4.553	4.553	(0.893)	15713	5.00000	4.417
$ 5 1,2-Dichloroethane-d4	65	4.826	4.826	(0.947)	23759	5.00000	4.867
$ 6 Toluene-d8	98	6.447	6.447	(0.832)	80227	5.00000	4.410
$ 7 Bromofluorobenzene	95	8.849	8.849	(1.142)	29262	5.00000	4.454
8 Dichlorodifluoromethane	85	1.583	1.583	(0.311)	17253	5.00000	5.312
9 Chloromethane	50	1.749	1.749	(0.343)	38346	5.00000	4.665
10 Vinyl Chloride	62	1.832	1.832	(0.359)	27582	5.00000	4.474
11 Bromomethane	94	2.140	2.140	(0.420)	9294	5.00000	4.381
12 Chloroethane	64	2.222	2.222	(0.436)	13295	5.00000	2.102
13 Trichlorofluoromethane	101	2.364	2.364	(0.464)	20420	5.00000	4.960
15 Acrolein	56	2.684	2.684	(0.527)	37062	50.0000	45.953
16 Acetone	43	2.790	2.790	(0.547)	32678	10.0000	10.930
17 1,1-Dichloroethene	61	2.767	2.767	(0.543)	34118	5.00000	4.397
18 Freon-113	151	2.826	2.826	(0.554)	11259	5.00000	3.789
19 Iodomethane	142	2.897	2.897	(0.568)	25505	5.00000	4.522
20 Carbon Disulfide	76	2.968	2.968	(0.582)	68634	5.00000	4.736
21 Methylene Chloride	84	3.157	3.157	(0.619)	37846	5.00000	3.979
22 Acetonitrile	41	3.015	3.015	(0.592)	40654	50.0000	52.500
23 Acrylonitrile	53	3.335	3.335	(0.654)	91844	50.0000	47.801

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94055.D
Report Date: 14-Jun-2005 18:26

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.358	3.358	(0.659)	50338	5.00000	4.496
25 trans-1,2-Dichloroethene	61	3.370	3.370	(0.661)	35182	5.00000	4.468
26 Hexane	57	3.583	3.583	(0.703)	42995	5.00000	4.540
27 Vinyl acetate	43	3.725	3.725	(0.731)	46816	5.00000	4.148
28 1,1-Dichloroethane	63	3.702	3.702	(0.726)	44893	5.00000	4.683
29 tert-Butyl Alcohol	59	3.205	3.205	(0.629)	39468	100.000	106.88
30 2-Butanone	43	4.163	4.163	(0.817)	31391	10.0000	9.631
32 cis-1,2-dichloroethene	61	4.163	4.163	(0.817)	37370	5.00000	4.480
33 2,2-Dichloropropane	77	4.175	4.175	(0.819)	23641	5.00000	4.670
34 Bromochloromethane	128	4.364	4.364	(0.856)	10389	5.00000	4.918
35 Chloroform	83	4.411	4.411	(0.865)	35720	5.00000	4.879
36 Tetrahydrofuran	42	4.400	4.400	(0.863)	10826	5.00000	3.478
37 1,1,1-Trichloroethane	97	4.577	4.577	(0.898)	24471	5.00000	4.197
38 1,1-Dichloropropene	75	4.707	4.707	(0.923)	28004	5.00000	4.474
39 Carbon Tetrachloride	117	4.719	4.719	(0.926)	19752	5.00000	4.232
40 1,2-Dichloroethane	62	4.885	4.885	(0.958)	29687	5.00000	4.417
41 Benzene	78	4.885	4.885	(0.958)	97602	5.00000	4.774
42 Trichloroethene	130	5.405	5.405	(1.060)	21396	5.00000	4.502
43 1,2-Dichloropropane	63	5.595	5.595	(1.097)	25736	5.00000	4.533
44 1,4-Dioxane	88	5.701	5.701	(1.118)	12229	250.000	305.29(A)
45 Dibromomethane	93	5.689	5.689	(1.116)	10481	5.00000	4.743
46 Bromodichloromethane	83	5.820	5.820	(1.142)	22226	5.00000	4.387
48 cis-1,3-Dichloropropene	75	6.198	6.198	(1.216)	32217	5.00000	6.062
49 4-Methyl-2-pentanone	43	6.317	6.317	(1.239)	51283	10.0000	9.517
50 Toluene	91	6.506	6.506	(0.840)	108408	5.00000	4.820
51 trans-1,3-Dichloropropene	75	6.683	6.683	(0.863)	25472	5.00000	4.417
52 Ethyl Methacrylate	69	6.754	6.754	(0.872)	18129	5.00000	5.334
53 1,1,2-Trichloroethane	97	6.849	6.849	(0.884)	19209	5.00000	5.010
54 1,3-Dichloropropane	76	7.003	7.003	(0.904)	31887	5.00000	4.572
55 Tetrachloroethene	164	7.003	7.003	(0.904)	18999	5.00000	4.820
56 2-Hexanone	43	7.062	7.062	(0.911)	34376	10.0000	4.555
57 Dibromochloromethane	129	7.216	7.216	(0.931)	13169	5.00000	5.573
58 1,2-Dibromoethane	107	7.322	7.322	(0.945)	14457	5.00000	4.290
59 Chlorobenzene	112	7.772	7.772	(1.003)	64572	5.00000	4.564
60 1,1,1,2-Tetrachloroethane	131	7.843	7.843	(1.012)	19107	5.00000	4.489
61 Ethylbenzene	91	7.867	7.867	(1.015)	105523	5.00000	4.272
62 m + p-Xylene	91	7.973	7.973	(1.029)	165302	10.0000	8.576
64 Xylene-o	91	8.352	8.352	(1.078)	85439	5.00000	4.398
65 Styrene	104	8.364	8.364	(1.079)	51512	5.00000	6.218
66 Bromoform	173	8.553	8.553	(1.104)	5508	5.00000	6.359
67 Isopropylbenzene	105	8.707	8.707	(1.124)	98666	5.00000	4.368
68 1,1,2,2-Tetrachloroethane	83	8.979	8.979	(0.899)	19115	5.00000	5.016
69 1,4-Dichloro-2-butene	53	9.026	9.026	(0.904)	5229	5.00000	6.288
70 1,2,3-Trichloropropane	110	9.026	9.026	(0.904)	5608	5.00000	4.799
71 Bromobenzene	156	9.003	9.003	(0.902)	20651	5.00000	4.806
72 n-Propylbenzene	91	9.097	9.097	(0.911)	108035	5.00000	4.517
73 2-Chlorotoluene	126	9.192	9.192	(0.921)	23523	5.00000	4.834
74 1,3,5-Trimethylbenzene	105	9.275	9.275	(0.929)	72576	5.00000	4.600
75 4-Chlorotoluene	126	9.298	9.298	(0.931)	22937	5.00000	4.891
76 tert-Butylbenzene	119	9.594	9.594	(0.961)	72271	5.00000	4.786
77 1,2,4-Trimethylbenzene	105	9.642	9.642	(0.966)	72109	5.00000	4.642
78 sec-Butylbenzene	105	9.807	9.807	(0.982)	95169	5.00000	4.558
79 4-Isopropyltoluene	119	9.949	9.949	(0.996)	72327	5.00000	4.570
80 1,3-Dichlorobenzene	146	9.926	9.926	(0.994)	39595	5.00000	4.898

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94055.D
Report Date: 14-Jun-2005 18:26

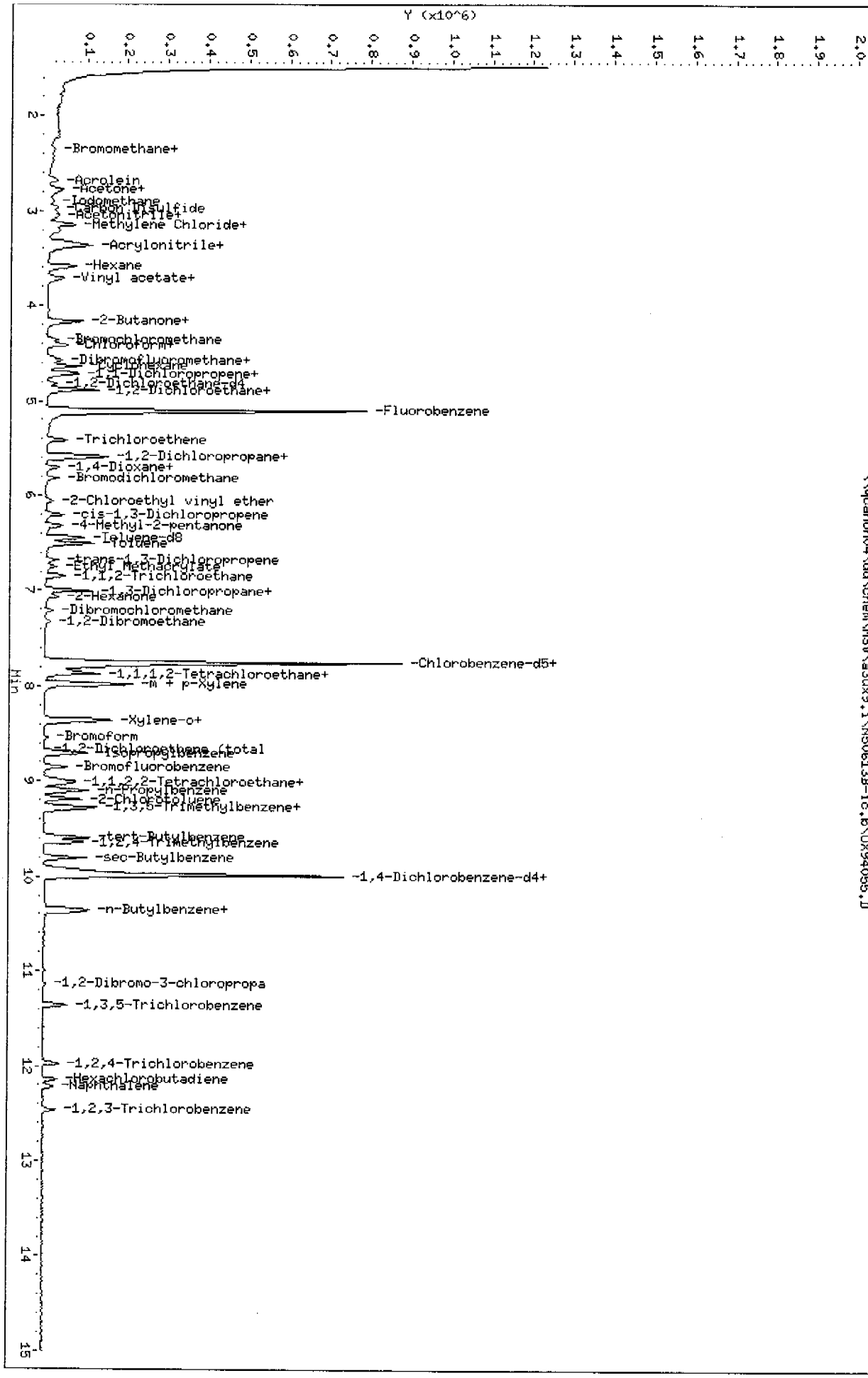
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
81 1,4-Dichlorobenzene	146	10.008	10.008	(1.002)	38511	5.00000	4.722
82 n-Butylbenzene	91	10.352	10.352	(1.037)	61399	5.00000	4.521
83 1,2-Dichlorobenzene	146	10.375	10.375	(1.039)	35522	5.00000	4.691
84 1,2-Dibromo-3-chloropropane	157	11.144	11.144	(1.116)	1961	5.00000	4.271
85 1,2,4-Trichlorobenzene	180	11.973	11.973	(1.199)	17057	5.00000	4.641
86 Hexachlorobutadiene	225	12.150	12.150	(1.217)	8231	5.00000	4.661
87 Naphthalene	128	12.209	12.209	(1.223)	27956	5.00000	7.636
88 1,2,3-Trichlorobenzene	180	12.458	12.458	(1.248)	16606	5.00000	5.150
98 Cyclohexane	56	4.636	4.636	(0.909)	55239	5.00000	4.633
143 Methyl Acetate	43	3.051	3.051	(0.598)	41850	10.0000	10.321
144 Methylcyclohexane	83	5.583	5.583	(1.095)	42477	5.00000	4.564
141 1,3,5-Trichlorobenzene	180	11.357	11.357	(1.137)	22486	5.00000	4.749
47 2-Chloroethyl vinyl ether	63	6.056	6.056	(1.188)	9601	10.0000	13.748

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N506138-ic.b\UX94055.D
Date : 13-JUN-2005 21:06
Client ID:
Sample Info: 5NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94056.D
Report Date: 14-Jun-2005 18:26

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94056.D
Lab Smp Id: 2.5NG-IC
Inj Date : 13-JUN-2005 21:28
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 2.5NG-IC
Misc Info : N50613B,8260MIUX9,2-8260.SUB,1819,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\8260MIUX9.m
Meth Date : 14-Jun-2005 18:26 a3ux9.i Quant Type: ISTD
Cal Date : 25-MAY-2005 23:03 Cal File: UX93516.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.099	5.099	(1.000)	906753	50.0000	
* 2 Chlorobenzene-d5	117	7.750	7.750	(1.000)	615829	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.986	9.986	(1.000)	225368	50.0000	
$ 4 Dibromofluoromethane	113	4.543	4.543	(0.891)	8065	2.50000	2.198
$ 5 1,2-Dichloroethane-d4	65	4.827	4.827	(0.947)	10587	2.50000	2.103
$ 6 Toluene-d8	98	6.448	6.448	(0.832)	41746	2.50000	2.378
$ 7 Bromofluorobenzene	95	8.850	8.850	(1.142)	14045	2.50000	2.216
8 Dichlorodifluoromethane	85	1.597	1.597	(0.313)	8312	2.50000	3.368
9 Chloromethane	50	1.727	1.727	(0.339)	20626	2.50000	2.433
10 Vinyl Chloride	62	1.822	1.822	(0.357)	13293	2.50000	2.090
11 Bromomethane	94	2.117	2.117	(0.415)	4179	2.50000	1.910(M)
13 Trichlorofluoromethane	101	2.342	2.342	(0.459)	6479	2.50000	2.238
15 Acrolein	56	2.674	2.674	(0.524)	19261	25.0000	23.154
16 Acetone	43	2.792	2.792	(0.548)	18452	5.00000	5.984
17 1,1-Dichloroethene	61	2.768	2.768	(0.543)	15926	2.50000	1.990
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	2.898	2.898	(0.568)	11192	2.50000	1.924
20 Carbon Disulfide	76	2.969	2.969	(0.582)	27073	2.50000	1.811
21 Methylene Chloride	84	3.147	3.147	(0.617)	27622	2.50000	1.704
22 Acetonitrile	41	3.017	3.017	(0.592)	22045	25.0000	27.601
23 Acrylonitrile	53	3.336	3.336	(0.654)	44047	25.0000	22.226
24 Methyl tert-butyl ether	73	3.360	3.360	(0.659)	25383	2.50000	2.198

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94056.D
Report Date: 14-Jun-2005 18:26

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
25 trans-1,2-Dichloroethene	61	3.372	3.372	(0.661)	18677	2.50000	2.300
26 Hexane	57	3.597	3.597	(0.705)	22758	2.50000	2.330
27 Vinyl acetate	43	3.727	3.727	(0.731)	27592	2.50000	2.370
28 1,1-Dichloroethane	63	3.703	3.703	(0.726)	24287	2.50000	2.456
29 tert-Butyl Alcohol	59	3.218	3.218	(0.631)	18266	50.0000	47.961
30 2-Butanone	43	4.153	4.153	(0.814)	15934	5.00000	4.740
32 cis-1,2-dichloroethene	61	4.164	4.164	(0.817)	19893	2.50000	2.312
33 2,2-Dichloropropane	77	4.164	4.164	(0.817)	11119	2.50000	2.129
34 Bromochloromethane	128	4.366	4.366	(0.856)	4561	2.50000	2.093
35 Chloroform	83	4.413	4.413	(0.865)	17494	2.50000	2.317
36 Tetrahydrofuran	42	4.413	4.413	(0.865)	6485	2.50000	0.5386
37 1,1,1-Trichloroethane	97	4.579	4.579	(0.898)	13548	2.50000	2.253
38 1,1-Dichloropropene	75	4.721	4.721	(0.926)	14536	2.50000	2.252
39 Carbon Tetrachloride	117	4.721	4.721	(0.926)	10075	2.50000	2.093
40 1,2-Dichloroethane	62	4.886	4.886	(0.958)	16353	2.50000	2.359
41 Benzene	78	4.886	4.886	(0.958)	49338	2.50000	2.340
42 Trichloroethene	130	5.407	5.407	(1.060)	10600	2.50000	2.162
43 1,2-Dichloropropane	63	5.584	5.584	(1.095)	14508	2.50000	2.478
44 1,4-Dioxane	88	5.703	5.703	(1.118)	4813	125.000	116.49
45 Dibromomethane	93	5.691	5.691	(1.116)	5148	2.50000	2.259
46 Bromodichloromethane	83	5.821	5.821	(1.142)	10478	2.50000	2.005
48 cis-1,3-Dichloropropene	75	6.200	6.200	(1.216)	12728	2.50000	3.581
49 4-Methyl-2-pentanone	43	6.318	6.318	(1.239)	23384	5.00000	4.207
50 Toluene	91	6.507	6.507	(0.840)	50539	2.50000	2.329
51 trans-1,3-Dichloropropene	75	6.685	6.685	(0.863)	11479	2.50000	2.063
52 Ethyl Methacrylate	69	6.756	6.756	(0.872)	7719	2.50000	3.559
53 1,1,2-Trichloroethane	97	6.839	6.839	(0.882)	8758	2.50000	2.368
54 1,3-Dichloropropane	76	7.004	7.004	(0.904)	15763	2.50000	2.343
55 Tetrachloroethene	164	7.004	7.004	(0.904)	9110	2.50000	2.396
56 2-Hexanone	43	7.052	7.052	(0.910)	15913	5.00000	0.6898
57 Dibromochloromethane	129	7.217	7.217	(0.931)	6203	2.50000	3.798
58 1,2-Dibromoethane	107	7.324	7.324	(0.945)	6576	2.50000	2.022
59 Chlorobenzene	112	7.773	7.773	(1.003)	32006	2.50000	2.345
60 1,1,1,2-Tetrachloroethane	131	7.844	7.844	(1.012)	9981	2.50000	2.431
61 Ethylbenzene	91	7.868	7.868	(1.015)	53507	2.50000	2.245
62 m + p-Xylene	91	7.975	7.975	(1.029)	84330	5.00000	4.535
64 Xylene-o	91	8.353	8.353	(1.078)	39141	2.50000	2.088
65 Styrene	104	8.365	8.365	(1.079)	24486	2.50000	4.652
66 Bromoform	173	8.554	8.554	(1.104)	3368	2.50000	5.442
67 Isopropylbenzene	105	8.708	8.708	(1.124)	45515	2.50000	2.088
68 1,1,2,2-Tetrachloroethane	83	8.980	8.980	(0.899)	8121	2.50000	2.168
69 1,4-Dichloro-2-butene	53	9.040	9.040	(0.905)	1643	2.50000	3.732
70 1,2,3-Trichloropropane	110	9.028	9.028	(0.904)	2769	2.50000	2.411
71 Bromobenzene	156	9.004	9.004	(0.902)	9350	2.50000	2.214
72 n-Propylbenzene	91	9.099	9.099	(0.911)	51705	2.50000	2.200
73 2-Chlorotoluene	126	9.193	9.193	(0.921)	10453	2.50000	2.186
74 1,3,5-Trimethylbenzene	105	9.264	9.264	(0.928)	32186	2.50000	2.076
75 4-Chlorotoluene	126	9.300	9.300	(0.931)	10099	2.50000	2.191
76 tert-Butylbenzene	119	9.596	9.596	(0.961)	32190	2.50000	2.169
77 1,2,4-Trimethylbenzene	105	9.631	9.631	(0.964)	32004	2.50000	2.096
78 sec-Butylbenzene	105	9.809	9.809	(0.982)	46131	2.50000	2.248
79 4-Isopropyltoluene	119	9.951	9.951	(0.996)	32327	2.50000	2.078
80 1,3-Dichlorobenzene	146	9.915	9.915	(0.993)	18844	2.50000	2.372
81 1,4-Dichlorobenzene	146	10.010	10.010	(1.002)	19574	2.50000	2.442

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94056.D
Report Date: 14-Jun-2005 18:26

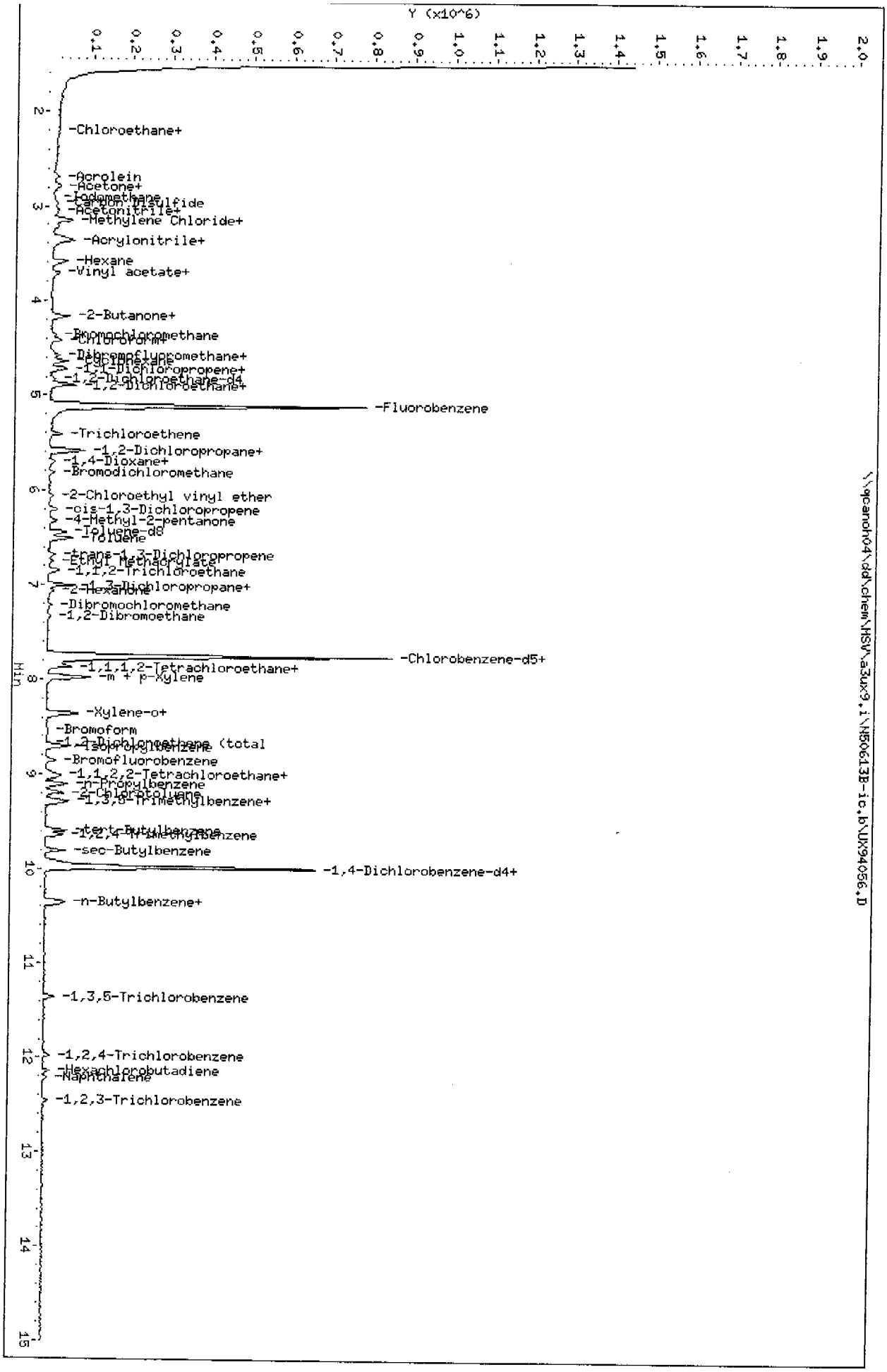
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
82 n-Butylbenzene	91	10.353	10.353	(1.037)	28909	2.50000	2.166
83 1,2-Dichlorobenzene	146	10.377	10.377	(1.039)	18075	2.50000	2.429
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.974	11.974	(1.199)	7139	2.50000	1.976
86 Hexachlorobutadiene	225	12.140	12.140	(1.216)	4136	2.50000	2.383
87 Naphthalene	128	12.211	12.211	(1.223)	9279	2.50000	5.493
88 1,2,3-Trichlorobenzene	180	12.471	12.471	(1.249)	5681	2.50000	1.792
98 Cyclohexane	56	4.638	4.638	(0.910)	25093	2.50000	2.041
143 Methyl Acetate	43	3.052	3.052	(0.599)	20735	5.00000	4.958
144 Methylcyclohexane	83	5.584	5.584	(1.095)	22215	2.50000	2.314
141 1,3,5-Trichlorobenzene	180	11.359	11.359	(1.137)	10198	2.50000	2.191
47 2-Chloroethyl vinyl ether	63	6.058	6.058	(1.188)	3968	5.00000	10.216

QC Flag Legend

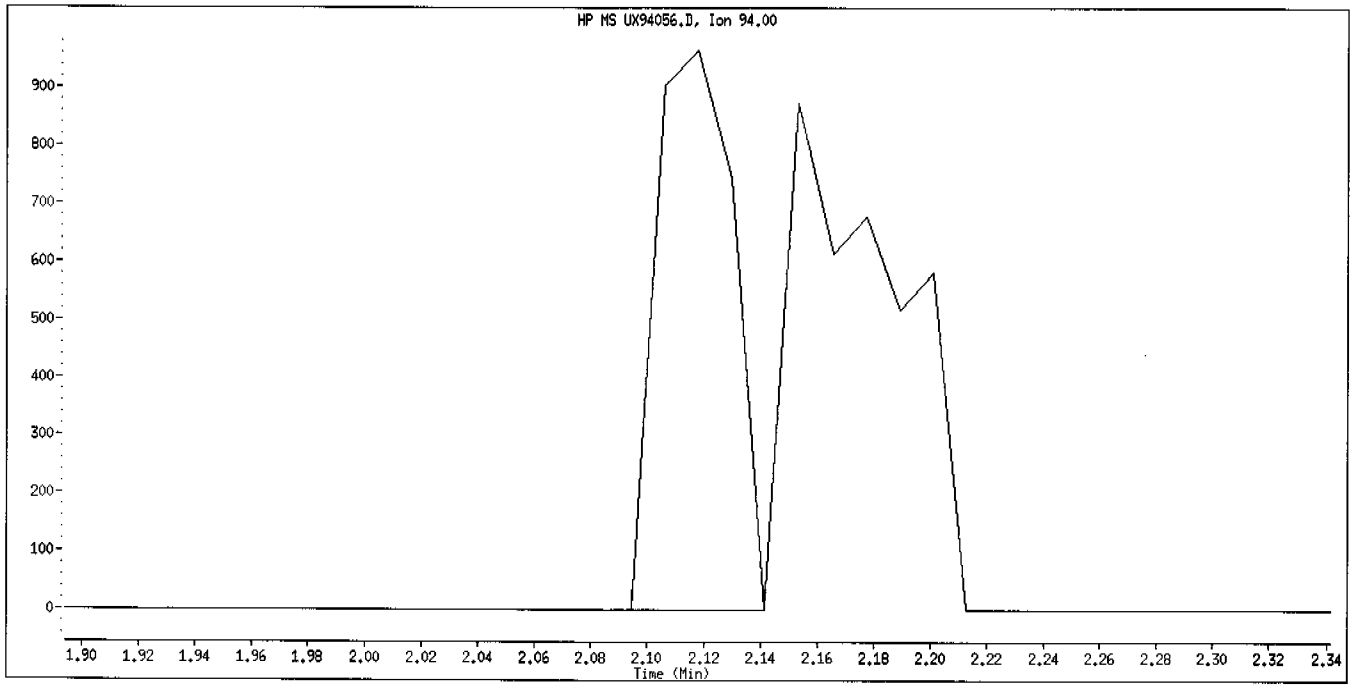
M - Compound response manually integrated.

Data File: \\qcanoh04\dd\chem\HSV\a3ux9,i\H50613B-ic,b\UX94056,D
Date : 13-JUN-2005 21:28
Client ID:
Sample Info: 2.5NG-IC
Purge Volume: 5.0
Column phase: DB624

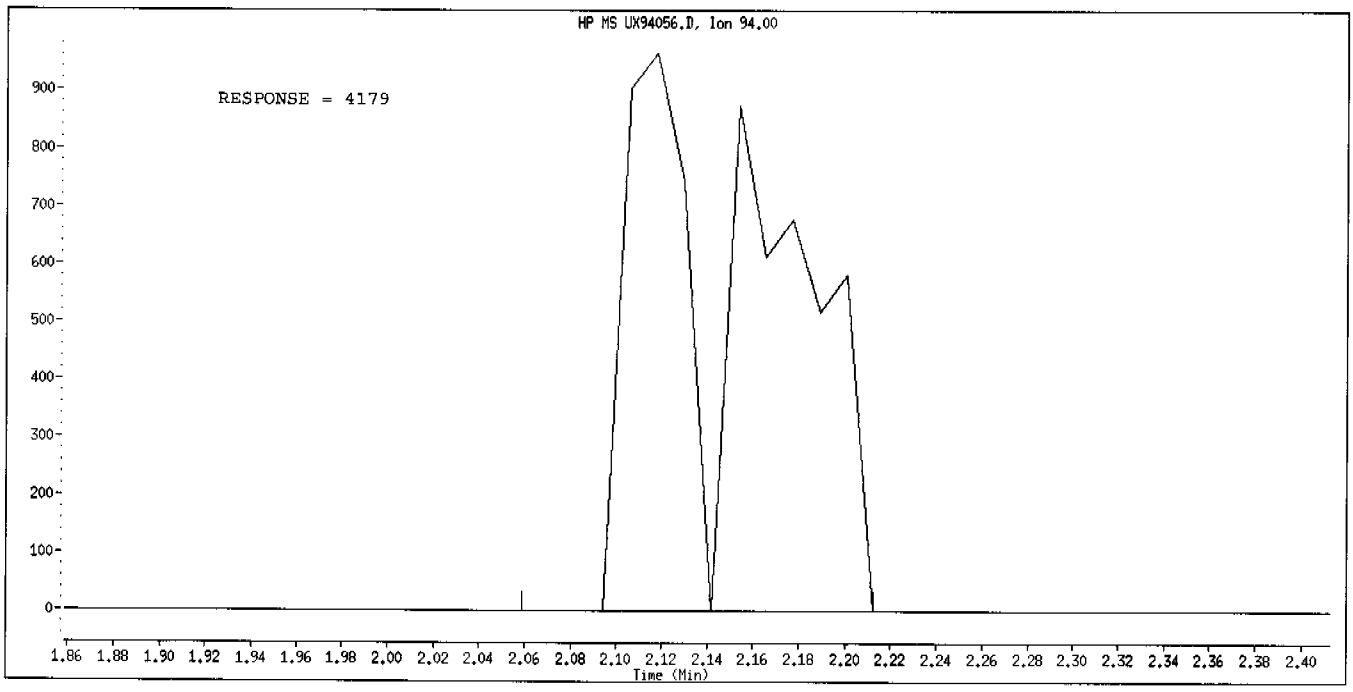
Instrument: a3ux9,i
Operator: 1819
Column diameter: 0.18



Inj. Date and Time: 13-JUN-2005 21:28
Instrument ID: a3ux9.i
Client ID:
Compound Name: Bromomethane
CAS #: 74-83-9
Report Date: 06/14/2005



Original Integration



Manual Integration

Manually Integrated By: mcdaniels
Manual Integration Reason: Unknown

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94057.D
Report Date: 14-Jun-2005 19:13

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94057.D
Lab Smp Id: HDK9F1AC
Inj Date : 13-JUN-2005 21:50
Operator : 1819 Inst ID: a3ux9.i
Smp Info : ICV/CHECK
Misc Info : N50613B,8260MIUX9,2-8260.SUB,1819,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\8260MIUX9.m
Meth Date : 14-Jun-2005 18:35 mcdaniels Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 8 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	906032	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	649959	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	263277	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	195017	53.1904	10.638
$ 5 1,2-Dichloroethane-d4	65	4.825	4.825	(0.947)	259678	51.6196	10.324
$ 6 Toluene-d8	98	6.446	6.446	(0.832)	965830	52.1405	10.428
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	326904	48.8693	9.774
8 Dichlorodifluoromethane	85	1.595	1.583	(0.313)	154006	33.2504	6.650
9 Chloromethane	50	1.737	1.737	(0.341)	366284	43.2403	8.648
10 Vinyl Chloride	62	1.843	1.831	(0.362)	303312	47.7400	9.548
11 Bromomethane	94	2.127	2.127	(0.417)	110323	50.4633	10.093
12 Chloroethane	64	2.233	2.234	(0.438)	160277	51.5055	10.301
13 Trichlorofluoromethane	101	2.352	2.352	(0.461)	237194	45.3366	9.067
15 Acrolein	56	2.671	2.671	(0.524)	433917	522.040	104.41(A)
16 Acetone	43	2.790	2.790	(0.547)	90265	29.2963	5.859
17 1,1-Dichloroethene	61	2.766	2.766	(0.543)	412225	51.5527	10.310
18 Freon-113	151	2.849	2.837	(0.559)	159250	52.0030	10.400
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.967	2.967	(0.582)	742745	49.7256	9.945
21 Methylene Chloride	84	3.145	3.145	(0.617)	268096	49.6776	9.936
22 Acetonitrile	41	3.014	3.015	(0.591)	364459	456.683	91.336(A)
23 Acrylonitrile	53	3.334	3.334	(0.654)	951189	480.361	96.072(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94057.D
Report Date: 14-Jun-2005 19:13

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.358	3.358	(0.659)	584199	50.6336	10.127
	25 trans-1,2-Dichloroethene	61	3.369	3.370	(0.661)	407940	50.2655	10.053
	26 Hexane	57	3.582	3.583	(0.703)	475844	48.7610	9.752
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.701	3.701	(0.726)	506713	51.2852	10.257
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.162	4.151	(0.817)	119534	35.5866	7.117
M	31 1,2-Dichloroethene (total)	61				808111	96.8154	19.363
	32 cis-1,2-dichloroethene	61	4.162	4.162	(0.817)	400171	46.5499	9.310
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.411	4.411	(0.865)	379125	50.2459	10.049
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.576	4.577	(0.898)	309558	51.5155	10.303
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.718	4.719	(0.926)	243786	50.6824	10.136
	40 1,2-Dichloroethane	62	4.884	4.884	(0.958)	349588	50.4699	10.094
	41 Benzene	78	4.884	4.884	(0.958)	1054324	50.0371	10.007
	42 Trichloroethene	130	5.405	5.405	(1.060)	253076	51.6666	10.333
	43 1,2-Dichloropropane	63	5.594	5.594	(1.097)	296375	50.6545	10.131
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.819	5.819	(1.142)	258761	49.5545	9.911
	48 cis-1,3-Dichloropropene	75	6.197	6.198	(1.216)	372490	47.1543	9.431
	49 4-Methyl-2-pentanone	43	6.316	6.316	(1.239)	255496	46.0064	9.201
	50 Toluene	91	6.505	6.505	(0.840)	1138054	49.6914	9.938
	51 trans-1,3-Dichloropropene	75	6.683	6.683	(0.863)	297071	50.5905	10.118
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.848	6.848	(0.884)	194157	49.7335	9.947
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.002	7.002	(0.904)	195547	48.7223	9.744
	56 2-Hexanone	43	7.061	7.061	(0.911)	155467	30.1255	6.025
	57 Dibromochloromethane	129	7.215	7.215	(0.931)	168651	45.7223	9.144
	58 1,2-Dibromoethane	107	7.322	7.322	(0.945)	176367	51.3932	10.279
	59 Chlorobenzene	112	7.771	7.771	(1.003)	728715	50.5819	10.116
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	7.866	7.866	(1.015)	1294574	51.4654	10.293
	62 m + p-Xylene	91	7.972	7.973	(1.029)	1955547	99.6334	19.927
M	63 Xylenes (total)	91				2933555	149.075	29.815
	64 Xylene-o	91	8.351	8.351	(1.078)	978008	49.4418	9.888
	65 Styrene	104	8.363	8.363	(1.079)	705039	44.6263	8.925
	66 Bromoform	173	8.552	8.541	(1.104)	90289	44.1755	8.835
	67 Isopropylbenzene	105	8.706	8.706	(1.124)	1205378	52.4002	10.480
	68 1,1,2,2-Tetrachloroethane	83	8.978	8.978	(0.899)	218257	49.8829	9.976
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					
	77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	78 sec-Butylbenzene	105	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94057.D
Report Date: 14-Jun-2005 19:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.925	9.925	(0.994)	446754	48.1325	9.626
81 1,4-Dichlorobenzene	146	10.008	10.008	(1.002)	446846	47.7242	9.545
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.374	10.375	(1.039)	416920	47.9578	9.592
84 1,2-Dibromo-3-chloropropane	157	11.144	11.144	(1.116)	22550	42.7751	8.555
85 1,2,4-Trichlorobenzene	180	11.972	11.972	(1.199)	194508	46.0929	9.218
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	12.220	12.209	(1.224)	1118	4.51264	0.9025
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.636	4.636	(0.909)	572414	46.5884	9.318
143 Methyl Acetate	43	3.062	3.050	(0.601)	193488	46.3027	9.260
144 Methylcyclohexane	83	5.582	5.582	(1.095)	441261	46.0055	9.201
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
47 2-Chloroethyl vinyl ether	63	6.055	6.056	(1.188)	64137	46.0572	9.211

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94057.D
Report Date: 14-Jun-2005 19:13

STL North Canton

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: HDK9F1AC
Level: LOW
Data Type: MS DATA
SpikeList File: plexus-ck.spk
Sublist File: 2-8260.SUB
Method File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\8260MIUX9.m
Misc Info: N50613B,8260MIUX9,2-8260.SUB,1819,3

Client SDG: SDGa01252
Fraction: VOA

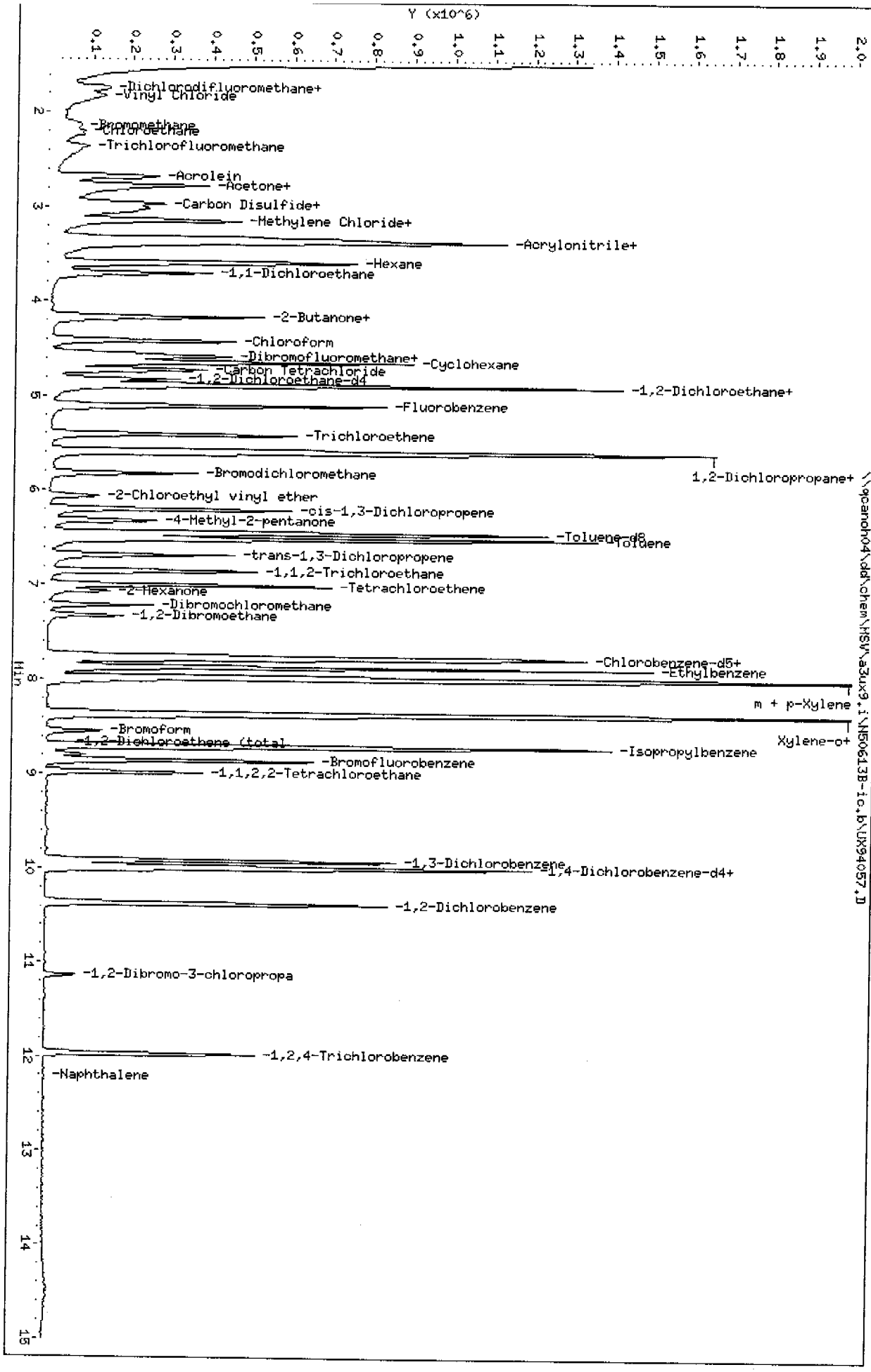
Operator: 1819
SampleType: METHSPIKE
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17 1,1-Dichloroethene	10.000	10.310	103.11	45-155
	42 Trichloroethene	10.000	10.333	103.33	45-155
	59 Chlorobenzene	10.000	10.116	101.16	45-155
	50 Toluene	10.000	9.938	99.38	45-155
	41 Benzene	10.000	10.007	100.07	45-155
	16 Acetone	10.000	5.859	58.59	45-155
	20 Carbon Disulfide	10.000	9.945	99.45	45-155
	9 Chloromethane	10.000	8.648	86.48	45-155
	11 Bromomethane	10.000	10.093	100.93	45-155
	10 Vinyl Chloride	10.000	9.548	95.48	45-155
	12 Chloroethane	10.000	10.301	103.01	45-155
	21 Methylene Chloride	10.000	9.936	99.36	45-155
	28 1,1-Dichloroethane	10.000	10.257	102.57	45-155
M	31 1,2-Dichloroethene	20.000	19.363	96.82	45-155
	35 Chloroform	10.000	10.049	100.49	45-155
	40 1,2-Dichloroethane	10.000	10.094	100.94	45-155
	30 2-Butanone	10.000	7.117	71.17	45-155
	37 1,1,1-Trichloroeth	10.000	10.303	103.03	45-155
	39 Carbon Tetrachlori	10.000	10.136	101.36	45-155
	46 Bromodichlorometha	10.000	9.911	99.11	45-155
	43 1,2-Dichloropropan	10.000	10.131	101.31	45-155
	48 cis-1,3-Dichloropr	10.000	9.431	94.31	45-155
	57 Dibromochlorometha	10.000	9.144	91.44	45-155
	53 1,1,2-Trichloroeth	10.000	9.947	99.47	45-155
	51 trans-1,3-Dichloro	10.000	10.118	101.18	45-155
	66 Bromoform	10.000	8.835	88.35	45-155
	49 4-Methyl-2-pentano	10.000	9.201	92.01	45-155
	56 2-Hexanone	10.000	6.025	60.25	45-155
	55 Tetrachloroethene	10.000	9.744	97.44	45-155
	68 1,1,2,2-Tetrachlor	10.000	9.976	99.77	45-155
	61 Ethylbenzene	10.000	10.293	102.93	45-155
	65 Styrene	10.000	8.925	89.25	45-155
M	63 Xylenes (total)	30.000	29.815	99.38	45-155
	32 cis-1,2-dichloroet	10.000	9.310	93.10	45-155
	25 trans-1,2-Dichloro	10.000	10.053	100.53	45-155
	8 Dichlorodifluorome	10.000	6.650	66.50	45-155
	13 Trichlorofluoromet	10.000	9.067	90.67	45-155
	18 Freon-113	10.000	10.400	104.01	45-155
	24 Methyl tert-butyl	10.000	10.127	101.27	45-155
	58 1,2-Dibromoethane	10.000	10.279	102.79	45-155

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94057.D
Report Date: 14-Jun-2005 19:13

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
67 Isopropylbenzene	10.000	10.480	104.80	45-155
80 1,3-Dichlorobenzen	10.000	9.626	96.27	45-155
81 1,4-Dichlorobenzen	10.000	9.545	95.45	45-155
83 1,2-Dichlorobenzen	10.000	9.592	95.92	45-155
84 1,2-Dibromo-3-chlo	10.000	8.555	85.55	45-155
85 1,2,4-Trichloroben	10.000	9.218	92.19	45-155
98 Cyclohexane	10.000	9.318	93.18	45-155
143 Methyl Acetate	10.000	9.260	92.61	45-155
144 Methylcyclohexane	10.000	9.201	92.01	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	10.638	106.38	73-122
$ 5 1,2-Dichloroethane	10.000	10.324	103.24	61-128
$ 6 Toluene-d8	10.000	10.428	104.28	76-110
$ 7 Bromofluorobenzene	10.000	9.774	97.74	74-116


Data File: \\qcanch04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94057.D
Date : 13-JUN-2005 21:50
Client ID:
Sample Info: ICV/CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-Ethylbenzene
m + p-Xylene
Xylene-o+
-Bromoform
-1,2-Dichloroethene (total
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Naphthalene
\\qcanch04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94057.D

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\8260MIUX9.m
Start Cal Date: 25-MAY-2005 17:29
End Cal Date : 13-JUN-2005 21:28
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 2.50000		
25-MAY-2005 23:25	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93517.D
13-JUN-2005 21:28	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94056.D
Cal Level: 2 , Cal Amount: 10.00000		
25-MAY-2005 23:03	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93516.D
13-JUN-2005 21:06	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94055.D
Cal Level: 3 , Cal Amount: 25.00000		
25-MAY-2005 22:41	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93515.D
13-JUN-2005 20:43	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94054.D
Cal Level: 4 , Cal Amount: 50.00000		
25-MAY-2005 22:18	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50525-IC.b\UX93514.D
13-JUN-2005 20:21	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94053.D
Cal Level: 5 , Cal Amount: 100.00000		
25-MAY-2005 21:56	3-IX	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93513.D
13-JUN-2005 19:59	2-8260	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\UX94052.D
Cal Level: 6 , Cal Amount: 250.00000		
25-MAY-2005 21:33	3-IX	\\qcanoh04\dd\chem\MSV\a3ux9.i\N50525-IC.b\UX93512.D
13-JUN-2005 19:37	2-8260	

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+------------------+------------------+------------------------------------------+
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Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

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+------------------+------------------+------------------------------------------+
|16-JUN-2005 18:05 |2-8260            |                                          |
|\\QCANOH04\DD\chem\MSV\a3ux9.i\N50616B.b\UX94190.D                              |
|16-JUN-2005 17:43 |3-IX              |                                          |
|\\QCANOH04\DD\chem\MSV\a3ux9.i\N50616B.b\UX94189.D                              |
+------------------+------------------+------------------------------------------+
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Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50616B.b\UX94190.D
Report Date: 16-Jun-2005 18:20

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux9.i Injection Date: 16-JUN-2005 18:05
Lab File ID: UX94190.D Init. Cal. Date(s): 25-MAY-2005 13-JUN-2005
Analysis Type: WATER Init. Cal. Times: 17:29 21:28
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50616B.b\8260MIUX9.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 4 Dibromofluoromethane	0.20233	0.22479	0.22479	0.010	-11.09695	50.00000	Averaged
$ 5 1,2-Dichloroethane-d4	0.27762	0.29178	0.29178	0.010	-5.10001	50.00000	Averaged
$ 6 Toluene-d8	1.42498	1.54833	1.54833	0.010	-8.65606	50.00000	Averaged
$ 7 Bromofluorobenzene	0.51460	0.50371	0.50371	0.010	2.11500	50.00000	Averaged
8 Dichlorodifluoromethane	50.00000	50.85054	0.26469	0.010	-1.70107	0.000e+000	Linear
9 Chloromethane	0.46747	0.51378	0.51378	0.100	-9.90628	50.00000	Averaged
10 Vinyl Chloride	0.35062	0.38223	0.38223	0.010	-9.01529	20.00000	Averaged
11 Bromomethane	0.12065	0.15556	0.15556	0.010	-28.93392	50.00000	Averaged
12 Chloroethane	50.00000	62.55303	0.21308	0.010	-25.10606	0.000e+000	Linear
13 Trichlorofluoromethane	50.00000	52.92527	0.30663	0.010	-5.85054	0.000e+000	Linear
15 Acrolein	0.04587	0.04521	0.04521	0.010	1.43361	50.00000	Averaged
16 Acetone	0.17003	0.09182	0.09182	0.010	46.00054	50.00000	Averaged
17 1,1-Dichloroethene	0.44128	0.45646	0.45646	0.010	-3.44082	20.00000	Averaged
18 Freon-113	0.16900	0.17741	0.17741	0.010	-4.98134	50.00000	Averaged
19 Iodomethane	0.32075	0.34187	0.34187	0.010	-6.58315	50.00000	Averaged
20 Carbon Disulfide	0.82430	0.83773	0.83773	0.010	-1.62895	50.00000	Averaged
21 Methylene Chloride	50.00000	46.72142	0.27954	0.010	6.55717	0.000e+000	Linear
22 Acetonitrile	0.04404	0.03914	0.03914	0.010	11.13784	50.00000	Averaged
23 Acrylonitrile	0.10928	0.10994	0.10994	0.010	-0.60376	50.00000	Averaged
24 Methyl tert-butyl ether	0.63672	0.60469	0.60469	0.010	5.03005	50.00000	Averaged
25 trans-1,2-Dichloroethene	0.44787	0.46272	0.46272	0.010	-3.31462	50.00000	Averaged
26 Hexane	0.53854	0.54720	0.54720	0.010	-1.60873	20.00000	Averaged
27 Vinyl acetate	0.64195	0.58983	0.58983	0.010	8.11938	50.00000	Averaged
28 1,1-Dichloroethane	0.54525	0.56009	0.56009	0.100	-2.72214	50.00000	Averaged
29 tert-Butyl Alcohol	0.02100	0.01538	0.01538	0.010	26.76334	50.00000	Averaged
30 2-Butanone	0.18537	0.13387	0.13387	0.010	27.78320	50.00000	Averaged
M 31 1,2-Dichloroethene (total)	0.46114	0.47779	0.47779	0.010	-3.61088	50.00000	Averaged
32 cis-1,2-dichloroethene	0.47441	0.49287	0.49287	0.010	-3.89050	50.00000	Averaged
33 2,2-Dichloropropane	0.28794	0.28462	0.28462	0.010	1.15063	50.00000	Averaged
34 Bromochloromethane	0.12015	0.12709	0.12709	0.010	-5.77215	50.00000	Averaged
35 Chloroform	0.41640	0.42466	0.42466	0.010	-1.98396	20.00000	Averaged
36 Tetrahydrofuran	50.00000	44.88429	0.08505	0.010	10.23143	0.000e+000	Linear
37 1,1,1-Trichloroethane	0.33161	0.33109	0.33109	0.010	0.15803	50.00000	Averaged
38 1,1-Dichloropropene	0.35596	0.36167	0.36167	0.010	-1.60411	50.00000	Averaged
39 Carbon Tetrachloride	0.26545	0.27370	0.27370	0.010	-3.10771	50.00000	Averaged
40 1,2-Dichloroethane	0.38225	0.39589	0.39589	0.010	-3.56806	50.00000	Averaged
41 Benzene	1.16281	1.16668	1.16668	0.010	-0.33288	50.00000	Averaged
42 Trichloroethene	0.27031	0.28030	0.28030	0.010	-3.69567	50.00000	Averaged
43 1,2-Dichloropropane	0.32289	0.33291	0.33291	0.010	-3.10326	20.00000	Averaged
44 1,4-Dioxane	0.00228	0.00110	0.00110	0.010	51.91869	50.00000	Averaged <-
45 Dibromomethane	0.12567	0.12365	0.12365	0.010	1.60974	50.00000	Averaged
46 Bromodichloromethane	0.28817	0.29316	0.29316	0.010	-1.73235	50.00000	Averaged
48 cis-1,3-Dichloropropene	50.00000	43.43786	0.37725	0.010	13.12427	0.000e+000	Linear

|_____|_____|_____|_____|____|_____|_____|_____|

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50616B.b\UX94190.D
Report Date: 16-Jun-2005 18:20

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux9.i Injection Date: 16-JUN-2005 18:05
Lab File ID: UX94190.D Init. Cal. Date(s): 25-MAY-2005 13-JUN-2005
Analysis Type: WATER Init. Cal. Times: 17:29 21:28
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50616B.b\8260MIUX9.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
49 4-Methyl-2-pentanone	0.30647	0.27968	0.27968	0.010	8.74218	50.00000	Averaged
50 Toluene	1.76184	1.80057	1.80057	0.010	-2.19857	20.00000	Averaged
51 trans-1,3-Dichloropropene	0.45173	0.42542	0.42542	0.010	5.82359	50.00000	Averaged
52 Ethyl Methacrylate	50.00000	42.80140	0.36332	0.010	14.39721	0.000e+000	Linear
53 1,1,2-Trichloroethane	0.30032	0.30153	0.30153	0.010	-0.40089	50.00000	Averaged
54 1,3-Dichloropropane	0.54628	0.54894	0.54894	0.010	-0.48741	50.00000	Averaged
55 Tetrachloroethene	0.30875	0.32617	0.32617	0.010	-5.64181	50.00000	Averaged
56 2-Hexanone	100	65.81923	0.24896	0.010	34.18077	0.000e+000	Linear
57 Dibromochloromethane	50.00000	45.08978	0.25572	0.010	9.82043	0.000e+000	Linear
58 1,2-Dibromoethane	0.26399	0.26461	0.26461	0.010	-0.23310	50.00000	Averaged
59 Chlorobenzene	1.10827	1.12288	1.12288	0.300	-1.31796	50.00000	Averaged
60 1,1,1,2-Tetrachloroethane	0.33340	0.32945	0.32945	0.010	1.18374	50.00000	Averaged
61 Ethylbenzene	1.93506	1.97766	1.97766	0.010	-2.20145	20.00000	Averaged
62 m + p-Xylene	1.50990	1.52462	1.52462	0.010	-0.97526	50.00000	Averaged
M 63 Xylenes (total)	1.51384	1.53138	1.53138	0.010	-1.15887	50.00000	Averaged
64 Xylene-o	1.52171	1.54489	1.54489	0.010	-1.52312	50.00000	Averaged
65 Styrene	50.00000	47.08988	1.14914	0.010	5.82025	0.000e+000	Linear
66 Bromoform	50.00000	42.70387	0.13384	0.100	14.59227	0.000e+000	Linear
67 Isopropylbenzene	1.76960	1.80002	1.80002	0.010	-1.71901	50.00000	Averaged
68 1,1,2,2-Tetrachloroethane	0.83095	0.77851	0.77851	0.300	6.30993	50.00000	Averaged
69 1,4-Dichloro-2-butene	50.00000	36.14265	0.20398	0.010	27.71471	0.000e+000	Linear
70 1,2,3-Trichloropropane	0.25478	0.24002	0.24002	0.010	5.79195	50.00000	Averaged
71 Bromobenzene	0.93701	0.91207	0.91207	0.010	2.66155	50.00000	Averaged
72 n-Propylbenzene	5.21518	5.04192	5.04192	0.010	3.32225	50.00000	Averaged
73 2-Chlorotoluene	1.06109	1.04314	1.04314	0.010	1.69217	50.00000	Averaged
74 1,3,5-Trimethylbenzene	3.44047	3.44787	3.44787	0.010	-0.21509	50.00000	Averaged
75 4-Chlorotoluene	1.02245	0.98431	0.98431	0.010	3.72996	50.00000	Averaged
76 tert-Butylbenzene	3.29263	2.97393	2.97393	0.010	9.67904	50.00000	Averaged
77 1,2,4-Trimethylbenzene	3.38707	3.31921	3.31921	0.010	2.00335	50.00000	Averaged
78 sec-Butylbenzene	4.55280	4.35292	4.35292	0.010	4.39018	50.00000	Averaged
79 4-Isopropyltoluene	3.45103	3.39269	3.39269	0.010	1.69042	50.00000	Averaged
80 1,3-Dichlorobenzene	1.76273	1.70551	1.70551	0.010	3.24617	50.00000	Averaged
81 1,4-Dichlorobenzene	1.77818	1.74355	1.74355	0.010	1.94747	50.00000	Averaged
82 n-Butylbenzene	2.96118	2.83697	2.83697	0.010	4.19435	50.00000	Averaged
83 1,2-Dichlorobenzene	1.65101	1.68052	1.68052	0.010	-1.78709	50.00000	Averaged
84 1,2-Dibromo-3-chloropropane	0.10012	0.09439	0.09439	0.010	5.72513	50.00000	Averaged
85 1,2,4-Trichlorobenzene	0.80142	0.76092	0.76092	0.010	5.05394	50.00000	Averaged
86 Hexachlorobutadiene	0.38503	0.38120	0.38120	0.010	0.99364	50.00000	Averaged
87 Naphthalene	50.00000	38.59895	1.28834	0.010	22.80210	0.000e+000	Linear
88 1,2,3-Trichlorobenzene	0.70312	0.65281	0.65281	0.010	7.15607	50.00000	Averaged
98 Cyclohexane	0.67805	0.68642	0.68642	0.010	-1.23450	50.00000	Averaged
143 Methyl Acetate	0.23061	0.21896	0.21896	0.010	5.05081	50.00000	Averaged
144 Methylcyclohexane	0.52931	0.54021	0.54021	0.010	-2.05835	50.00000	Averaged

|_____|_____|_____|_____|____|_____|_____|_____|

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50616B.b\UX94190.D
Report Date: 16-Jun-2005 18:20

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux9.i Injection Date: 16-JUN-2005 18:05
Lab File ID: UX94190.D Init. Cal. Date(s): 25-MAY-2005 13-JUN-2005
Analysis Type: WATER Init. Cal. Times: 17:29 21:28
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50616B.b\8260MIUX9.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
141 1,3,5-Trichlorobenzene	1.03246	1.03033	1.03033	0.010	0.20643	50.00000	Averaged
47 2-Chloroethyl vinyl ether	100	64.93227	0.05288	0.010	35.06773	0.000e+000	Linear

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50616B.b\UX94190.D
Report Date: 16-Jun-2005 18:20

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50616B.b\UX94190.D
Lab Smp Id: 50NG-CC
Inj Date : 16-JUN-2005 18:05
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 50NG-CC
Misc Info : N50616B,8260MIUX9,2-8260.SUB,1819,2
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50616B.b\8260MIUX9.m
Meth Date : 16-Jun-2005 18:20 Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	727459	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	522508	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	229239	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.541	(0.891)	163522	50.0000	55.548
$ 5 1,2-Dichloroethane-d4	65	4.825	4.825	(0.947)	212255	50.0000	52.550
$ 6 Toluene-d8	98	6.446	6.446	(0.832)	809014	50.0000	54.328
$ 7 Bromofluorobenzene	95	8.848	8.848	(1.142)	263195	50.0000	48.942
8 Dichlorodifluoromethane	85	1.583	1.583	(0.311)	192554	50.0000	50.850
9 Chloromethane	50	1.748	1.748	(0.343)	373755	50.0000	54.953
10 Vinyl Chloride	62	1.831	1.831	(0.359)	278054	50.0000	54.508
11 Bromomethane	94	2.127	2.127	(0.417)	113160	50.0000	64.467
12 Chloroethane	64	2.210	2.210	(0.434)	155004	50.0000	62.553
13 Trichlorofluoromethane	101	2.352	2.352	(0.461)	223062	50.0000	52.925
15 Acrolein	56	2.671	2.671	(0.524)	328902	500.000	492.83(A)
16 Acetone	43	2.790	2.790	(0.547)	133586	100.000	53.999
17 1,1-Dichloroethene	61	2.766	2.766	(0.543)	332055	50.0000	51.720
18 Freon-113	151	2.837	2.837	(0.557)	129062	50.0000	52.491
19 Iodomethane	142	2.896	2.896	(0.568)	248694	50.0000	53.292
20 Carbon Disulfide	76	2.955	2.955	(0.580)	609413	50.0000	50.814

21 Methylene Chloride	84	3.145	3.145 (0.617)	203357	50.0000	46.721
22 Acetonitrile	41	3.014	3.014 (0.591)	284699	500.000	444.31(A)
23 Acrylonitrile	53	3.322	3.322 (0.652)	799739	500.000	503.02(A)

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50616B.b\UX94190.D
Report Date: 16-Jun-2005 18:20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.358	3.358	(0.659)	439889	50.0000	47.485
	25 trans-1,2-Dichloroethene	61	3.369	3.369	(0.661)	336607	50.0000	51.657
	26 Hexane	57	3.582	3.582	(0.703)	398069	50.0000	50.804
	27 Vinyl acetate	43	3.724	3.724	(0.731)	429077	50.0000	45.940
	28 1,1-Dichloroethane	63	3.701	3.701	(0.726)	407445	50.0000	51.361
	29 tert-Butyl Alcohol	59	3.204	3.204	(0.629)	223772	1000.00	732.37(A)
	30 2-Butanone	43	4.162	4.162	(0.817)	194764	100.000	72.217
M	31 1,2-Dichloroethene (total)	61				695147	100.000	103.60
	32 cis-1,2-dichloroethene	61	4.162	4.162	(0.817)	358540	50.0000	51.945
	33 2,2-Dichloropropane	77	4.162	4.162	(0.817)	207053	50.0000	49.425
	34 Bromochloromethane	128	4.363	4.363	(0.856)	92451	50.0000	52.886
	35 Chloroform	83	4.411	4.411	(0.865)	308922	50.0000	50.992
	36 Tetrahydrofuran	42	4.399	4.399	(0.863)	61868	50.0000	44.884
	37 1,1,1-Trichloroethane	97	4.576	4.576	(0.898)	240853	50.0000	49.921
	38 1,1-Dichloropropene	75	4.707	4.707	(0.923)	263102	50.0000	50.802
	39 Carbon Tetrachloride	117	4.718	4.718	(0.926)	199103	50.0000	51.554
	40 1,2-Dichloroethane	62	4.884	4.884	(0.958)	287995	50.0000	51.784
	41 Benzene	78	4.884	4.884	(0.958)	848711	50.0000	50.166
	42 Trichloroethene	130	5.405	5.405	(1.060)	203909	50.0000	51.848
	43 1,2-Dichloropropane	63	5.594	5.594	(1.097)	242176	50.0000	51.552
	44 1,4-Dioxane	88	5.700	5.700	(1.118)	39843	2500.00	1202.0(A)
	45 Dibromomethane	93	5.700	5.700	(1.118)	89947	50.0000	49.195
	46 Bromodichloromethane	83	5.819	5.819	(1.142)	213260	50.0000	50.866
	48 cis-1,3-Dichloropropene	75	6.197	6.197	(1.216)	274437	50.0000	43.438
	49 4-Methyl-2-pentanone	43	6.316	6.316	(1.239)	406912	100.000	91.258
	50 Toluene	91	6.505	6.505	(0.840)	940813	50.0000	51.099
	51 trans-1,3-Dichloropropene	75	6.683	6.683	(0.863)	222285	50.0000	47.088
	52 Ethyl Methacrylate	69	6.742	6.742	(0.870)	189839	50.0000	42.801
	53 1,1,2-Trichloroethane	97	6.848	6.848	(0.884)	157550	50.0000	50.200
	54 1,3-Dichloropropane	76	7.002	7.002	(0.904)	286828	50.0000	50.244
	55 Tetrachloroethene	164	7.002	7.002	(0.904)	170426	50.0000	52.821
	56 2-Hexanone	43	7.061	7.061	(0.911)	260162	100.000	65.819
	57 Dibromochloromethane	129	7.215	7.215	(0.931)	133614	50.0000	45.090
	58 1,2-Dibromoethane	107	7.322	7.322	(0.945)	138261	50.0000	50.116
	59 Chlorobenzene	112	7.771	7.771	(1.003)	586713	50.0000	50.659
	60 1,1,1,2-Tetrachloroethane	131	7.842	7.842	(1.012)	172140	50.0000	49.408
	61 Ethylbenzene	91	7.866	7.866	(1.015)	1033345	50.0000	51.101
	62 m + p-Xylene	91	7.972	7.972	(1.029)	1593255	100.000	100.98
M	63 Xylenes (total)	91				2400472	150.000	151.74
	64 Xylene-o	91	8.351	8.351	(1.078)	807217	50.0000	50.762
	65 Styrene	104	8.363	8.363	(1.079)	600437	50.0000	47.090
	66 Bromoform	173	8.552	8.552	(1.104)	69935	50.0000	42.704
	67 Isopropylbenzene	105	8.706	8.706	(1.124)	940523	50.0000	50.860
	68 1,1,2,2-Tetrachloroethane	83	8.978	8.978	(0.899)	178466	50.0000	46.845
	69 1,4-Dichloro-2-butene	53	9.037	9.037	(0.905)	46761	50.0000	36.143
	70 1,2,3-Trichloropropane	110	9.025	9.025	(0.904)	55023	50.0000	47.104
	71 Bromobenzene	156	9.002	9.002	(0.902)	209083	50.0000	48.669
	72 n-Propylbenzene	91	9.096	9.096	(0.911)	1155804	50.0000	48.339
	73 2-Chlorotoluene	126	9.191	9.191	(0.921)	239128	50.0000	49.154
	74 1,3,5-Trimethylbenzene	105	9.262	9.262	(0.928)	790387	50.0000	50.108
	75 4-Chlorotoluene	126	9.298	9.298	(0.931)	225643	50.0000	48.135
	76 tert-Butylbenzene	119	9.593	9.593	(0.961)	681741	50.0000	45.160

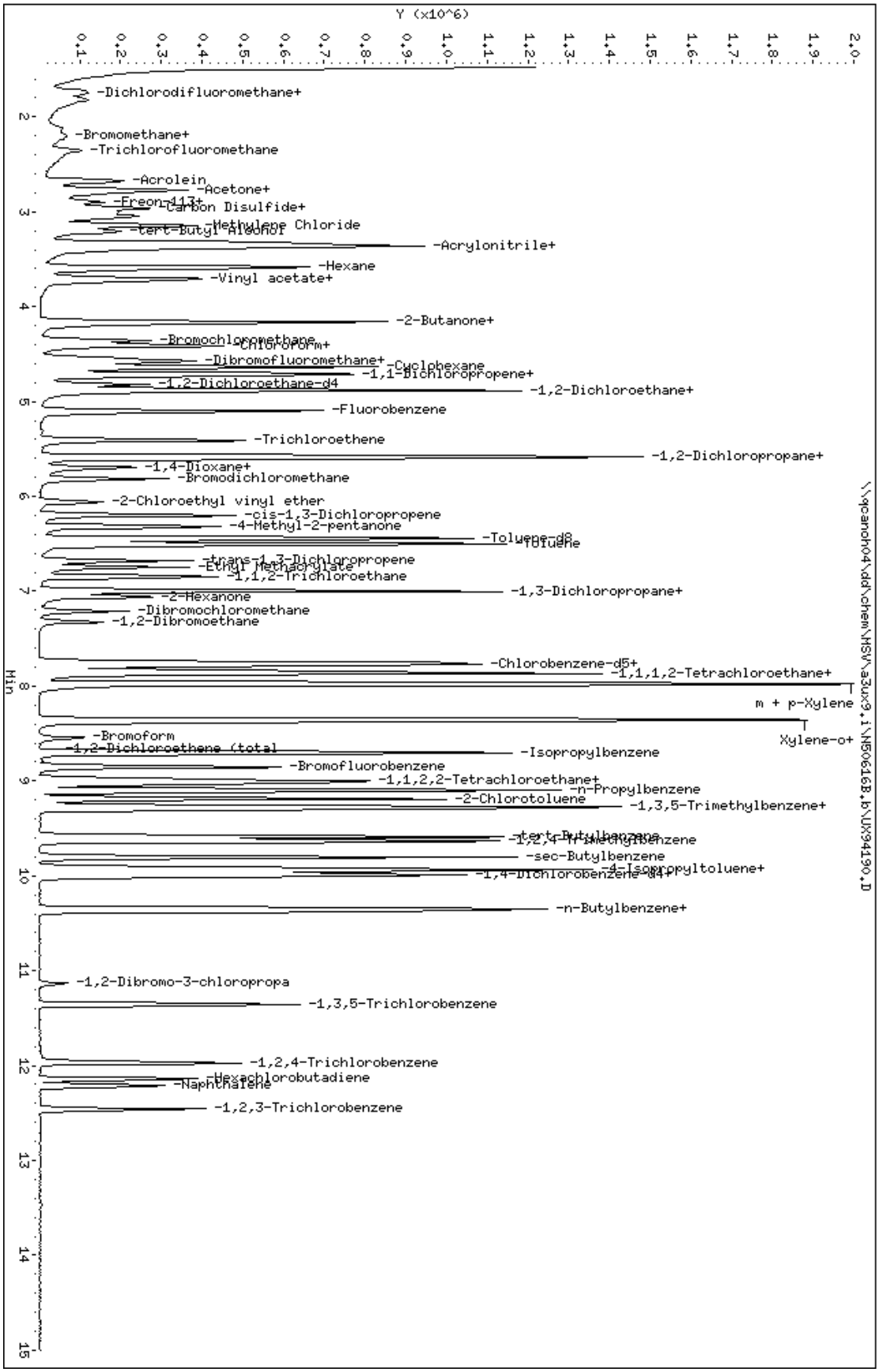
77	1,2,4-Trimethylbenzene	105	9.629	9.629 (0.964)	760893	50.0000	48.998
78	sec-Butylbenzene	105	9.806	9.806 (0.982)	997860	50.0000	47.805

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50616B.b\UX94190.D
Report Date: 16-Jun-2005 18:20

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
79 4-Isopropyltoluene	119	9.937	9.937	(0.995)	777738	50.0000	49.155
80 1,3-Dichlorobenzene	146	9.925	9.925	(0.994)	390970	50.0000	48.377
81 1,4-Dichlorobenzene	146	10.008	10.008	(1.002)	399690	50.0000	49.026
82 n-Butylbenzene	91	10.351	10.351	(1.037)	650345	50.0000	47.903
83 1,2-Dichlorobenzene	146	10.374	10.374	(1.039)	385240	50.0000	50.894
84 1,2-Dibromo-3-chloropropane	157	11.144	11.144	(1.116)	21637	50.0000	47.137
85 1,2,4-Trichlorobenzene	180	11.972	11.972	(1.199)	174432	50.0000	47.473
86 Hexachlorobutadiene	225	12.149	12.149	(1.217)	87386	50.0000	49.503
87 Naphthalene	128	12.208	12.208	(1.223)	295337	50.0000	38.599
88 1,2,3-Trichlorobenzene	180	12.457	12.457	(1.248)	149649	50.0000	46.422
98 Cyclohexane	56	4.636	4.636	(0.909)	499340	50.0000	50.617
143 Methyl Acetate	43	3.050	3.050	(0.598)	318569	100.000	94.949
144 Methylcyclohexane	83	5.582	5.582	(1.095)	392979	50.0000	51.029
141 1,3,5-Trichlorobenzene	180	11.357	11.357	(1.137)	236192	50.0000	49.897
47 2-Chloroethyl vinyl ether	63	6.055	6.055	(1.188)	76939	100.000	64.932

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94190.D
Date : 16-JUN-2005 18:05
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Freon-113+
-Carbon Disulfide+
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane+
m + p-Xylene
Xylene-o+
-Bromoform
-1,2-Dichloroethene (total
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-1,4-Dichlorobenzene-d4+
-4-Isopropyltoluene+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94190.D

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\8260SUX14.m
Start Cal Date: 17-MAY-2005 12:05
End Cal Date : 17-MAY-2005 14:53
Last Cal Level: 6
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.00000		
17-MAY-2005 14:53	1-8260	\\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141142.D
Cal Level: 2 , Cal Amount: 10.00000		
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Cal Level: 3 , Cal Amount: 25.00000		
17-MAY-2005 14:05	1-8260	\\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141140.D
Cal Level: 4 , Cal Amount: 50.00000		
17-MAY-2005 13:42	1-8260	\\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141139.D
Cal Level: 5 , Cal Amount: 100.00000		
17-MAY-2005 13:17	1-8260	\\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141138.D
Cal Level: 6 , Cal Amount: 250.00000		
17-MAY-2005 12:53	1-8260	\\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141137.D
Cal Level: 7 , Cal Amount: 500.00000		
17-MAY-2005 12:29	1-8260	\\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141136.D
Cal Level: 8 , Cal Amount: 1000.00000		

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Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 6

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+------------------+-----------------+----------------------------------------+
|17-MAY-2005 12:53 |1-8260            |                                        |
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Report Date : 17-May-2005 15:56

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 17-MAY-2005 12:05
End Cal Date : 17-MAY-2005 14:53
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\8260SUX14.m
Last Edit : 17-May-2005 15:55 a3ux14.i
Curve Type : Average

Calibration File Names:
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Level 2: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141141.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141140.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141139.D
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Level 7: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141136.D
Level 8: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141135.D

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	RRF	% RSD
	500.000 Level 7	1000.000 Level 8						
8 Dichlorodifluoromethane	+++++	+++++	0.06725	0.07820	0.08042	0.08848		
	0.08949	0.09731					0.08353	12.592
9 Chloromethane	0.14944	0.15196	0.15680	0.15879	0.16366	0.16949		
	0.17798	0.17648					0.16308	6.599
10 Vinyl Chloride	+++++	0.13823	0.13043	0.13657	0.14627	0.14579		
	0.14252	0.14404					0.14055	4.105
11 Bromomethane	0.04579	0.05037	0.06145	0.06598	0.06286	0.05803		
	0.05177	+++++					0.05661	13.137
12 Chloroethane	+++++	+++++	0.06675	0.07586	0.07548	0.07486		
	0.06997	0.06257					0.07092	7.692
13 Trichlorofluoromethane	0.15254	0.16299	0.16152	0.15660	0.16951	0.18055		
	0.17397	0.17971					0.16718	6.247
14 Dichlorofluoromethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++	+++++					+++++	+++++ <-
15 Acrolein	0.03896	0.03653	0.03588	0.04123	0.03895	0.04185		
	0.04062	0.04167					0.03946	5.822

Report Date : 17-May-2005 15:56

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 17-MAY-2005 12:05
End Cal Date : 17-MAY-2005 14:53
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\8260SUX14.m
Last Edit : 17-May-2005 15:55 a3ux14.i
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	RRF	% RSD
	500.000 Level 7	1000.000 Level 8						
16 Acetone	0.31944	0.19912	0.15011	0.14080	0.12908	0.11384		
	0.11977	0.11734					0.16119	43.193
17 1,1-Dichloroethene	0.15465	0.17854	0.17679	0.18669	0.18901	0.19347		
	0.20002	0.19987					0.18488	8.094
18 Freon-113	+++++	+++++	0.06371	0.07525	0.07681	0.07763		
	0.08346	0.08065					0.07625	8.931
19 Iodomethane	0.31399	0.29201	0.28960	0.30328	0.29660	0.30677		
	0.30407	0.31051					0.30210	2.874
20 Carbon Disulfide	0.65886	0.60957	0.60910	0.64187	0.65706	0.69134		
	0.69271	0.72890					0.66118	6.330
21 Methylene Chloride	1.09096	0.62006	0.39741	0.34086	0.29469	0.27367		
	0.27968	0.27504					0.44655	63.856 <-
22 Acetonitrile	0.03148	0.02831	0.02651	0.02771	0.02509	0.02598		
	0.02548	0.02540					0.02700	7.929
23 Acrylonitrile	0.10957	0.09607	0.09632	0.10978	0.10296	0.10639		
	0.10346	0.10414					0.10359	5.059
24 Methyl tert-butyl ether	0.45588	0.47099	0.48878	0.55046	0.55106	0.55271		
	0.60034	0.56904					0.52991	9.708
25 trans-1,2-Dichloroethene	0.25201	0.22598	0.22904	0.24796	0.24242	0.24309		
	0.24884	0.24143					0.24135	3.853
26 Hexane	+++++	0.04631	0.05115	0.05532	0.05765	0.06123		
	0.06391	0.06482					0.05720	11.908

Report Date : 17-May-2005 15:56

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 17-MAY-2005 12:05
End Cal Date : 17-MAY-2005 14:53
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\8260SUX14.m
Last Edit : 17-May-2005 15:55 a3ux14.i
Curve Type : Average

Compound	5.000 Level 1 / 500.000 Level 7	10.000 Level 2 / 1000.000 Level 8	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	RRF	% RSD	
27 Vinyl acetate	0.34527	0.33937	0.34177	0.41655	0.40752	0.48707			
	0.49909	0.52588					0.42031	18.061	
28 1,1-Dichloroethane	0.48257	0.46009	0.44250	0.48408	0.46821	0.47749			
	0.50331	0.49763					0.47698	4.158	
29 tert-Butyl Alcohol	0.00791	0.00828	0.00907	0.00990	0.00994	0.01117			
	0.01193	0.01102					0.00990	14.403	<-
30 2-Butanone	0.18076	0.15283	0.15018	0.16981	0.17074	0.16429			
	0.16662	0.16356					0.16485	5.967	
M 31 1,2-Dichloroethene (total)	0.25925	0.23577	0.23643	0.25857	0.25462	0.25344			
	0.26124	0.25218					0.25144	3.958	
32 cis-1,2-dichloroethene	0.26649	0.24555	0.24383	0.26919	0.26682	0.26379			
	0.27363	0.26294					0.26153	4.172	
33 2,2-Dichloropropane	+++++	+++++	0.14635	0.15415	0.17211	0.19084			
	0.20422	0.19979					0.17791	13.612	
34 Bromochloromethane	0.12061	0.11819	0.11966	0.12559	0.12824	0.11886			
	0.12916	0.12346					0.12297	3.498	
35 Chloroform	0.39488	0.38115	0.35946	0.39275	0.38434	0.38168			
	0.40109	0.39235					0.38596	3.309	
36 Tetrahydrofuran	+++++	0.09347	0.08040	0.08336	0.07816	0.07948			
	0.07796	0.07734					0.08145	6.962	
37 1,1,1-Trichloroethane	0.21671	0.20954	0.22413	0.24697	0.25502	0.26531			
	0.27546	0.27325					0.24580	10.577	

Report Date : 17-May-2005 15:56

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 17-MAY-2005 12:05
End Cal Date : 17-MAY-2005 14:53
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\8260SUX14.m
Last Edit : 17-May-2005 15:55 a3ux14.i
Curve Type : Average

Compound	5.000 Level 1 / 500.000 Level 7	10.000 Level 2 / 1000.000 Level 8	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	RRF	% RSD
38 1,1-Dichloropropene	0.23963	0.22651	0.26463	0.27991	0.28945	0.29201		
	0.30381	0.29205					0.27350	10.093
39 Carbon Tetrachloride	0.17098	0.16374	0.18622	0.20956	0.21495	0.22230		
	0.23487	0.23327					0.20449	13.483
40 1,2-Dichloroethane	0.28123	0.30160	0.29040	0.31111	0.30688	0.30156		
	0.31221	0.29738					0.30030	3.505
41 Benzene	1.05912	1.02986	0.98104	1.06030	1.03529	1.01962		
	1.04458	0.99491					1.02809	2.779
42 Trichloroethene	0.22387	0.21248	0.21916	0.22608	0.22408	0.22782		
	0.23592	0.22626					0.22446	3.016
43 1,2-Dichloropropane	0.30109	0.29039	0.26839	0.29425	0.29871	0.28989		
	0.29674	0.27726					0.28959	3.895
44 1,4-Dioxane	0.00112	0.00088	0.00114	0.00116	0.00132	0.00140		
	0.00141	0.00134					0.00122	14.874 <-
45 Dibromomethane	0.11655	0.11460	0.10687	0.12169	0.12041	0.11844		
	0.12096	0.11541					0.11687	4.121
46 Bromodichloromethane	0.22317	0.24330	0.22532	0.24636	0.24986	0.25644		
	0.27229	0.26292					0.24746	6.900
47 2-Chloroethyl vinyl ether	+++++	0.02324	0.02863	0.03354	0.03651	0.04604		
	0.04772	0.05925					0.03928	31.647
48 cis-1,3-Dichloropropene	+++++	+++++	0.24029	0.29065	0.31023	0.33541		
	0.35986	0.34422					0.31344	13.881

Report Date : 17-May-2005 15:56

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 17-MAY-2005 12:05
End Cal Date : 17-MAY-2005 14:53
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\8260SUX14.m
Last Edit : 17-May-2005 15:55 a3ux14.i
Curve Type : Average

Compound	5.000 Level 1 / 500.000 Level 7	10.000 Level 2 / 1000.000 Level 8	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	RRF	% RSD
49 4-Methyl-2-pentanone	0.12896	0.12571	0.15800	0.19926	0.22078	0.24134		
	0.25049	0.24174					0.19578	26.345
50 Toluene	2.22084	2.00402	1.93858	2.07578	2.05378	2.04170		
	2.12292	2.02525					2.06036	4.083
51 trans-1,3-Dichloropropene	0.34462	0.32446	0.36696	0.45385	0.47255	0.53424		
	0.59888	0.60609					0.46271	24.041
52 Ethyl Methacrylate	0.16672	0.24120	0.29638	0.39960	0.46796	0.56321		
	0.60250	0.61022					0.41847	40.804
53 1,1,2-Trichloroethane	0.34751	0.37973	0.35981	0.38145	0.37404	0.36774		
	0.37886	0.36633					0.36943	3.147
54 1,3 Dichloropropane	0.63339	0.61878	0.63362	0.68729	0.66431	0.65838		
	0.67164	0.64266					0.65126	3.527
55 Tetrachloroethene	0.29570	0.25331	0.26802	0.28600	0.29704	0.29311		
	0.30128	0.28583					0.28504	5.756
56 2-Hexanone	0.18106	0.16959	0.23056	0.27459	0.31831	0.34969		
	0.38340	0.40142					0.28858	30.890
57 Dibromochloromethane	0.26008	0.23183	0.24593	0.29880	0.29768	0.31233		
	0.33511	0.33440					0.28952	13.605
58 1,2-Dibromoethane	0.25932	0.28894	0.28354	0.31763	0.32740	0.31873		
	0.33028	0.33113					0.30712	8.650
59 Chlorobenzene	1.10593	1.04893	1.00062	1.04655	1.01005	1.02836		
	1.05325	1.02998					1.04046	3.110

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Last Edit : 17-May-2005 15:55 a3ux14.i
Curve Type : Average

Compound	5.000 Level 1 / 500.000 Level 7	10.000 Level 2 / 1000.000 Level 8	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	RRF	% RSD	
60 1,1,1,2-Tetrachloroethane	0.25423	0.24853	0.25175	0.28557	0.28608	0.29565			
	0.31325	0.30856					0.28045	9.225	
61 Ethylbenzene	0.50084	0.46122	0.49123	0.54108	0.56514	0.57906			
	0.60038	0.57622					0.53940	9.198	
62 m + p-Xylene	0.54273	0.55192	0.54705	0.64266	0.66711	0.67801			
	0.70213	0.66848					0.62501	10.633	
M 63 Xylenes (total)	0.50536	0.52210	0.52124	0.62094	0.64207	0.65589			
	0.67992	0.65392					0.60018	11.925	
64 Xylene-o	0.43061	0.46244	0.46961	0.57750	0.59199	0.61165			
	0.63549	0.62481					0.55051	14.980	
65 Styrene	0.63142	0.63918	0.70061	0.84257	0.91828	0.97557			
	1.06734	1.05926					0.85428	21.029	
66 Bromoform	+++++	+++++	0.08557	0.10010	0.11068	0.11836			
	0.13417	0.14712					0.11600	19.321	<-
67 Isopropylbenzene	+++++	+++++	0.94657	1.10677	1.17591	1.26917			
	1.36053	1.37206					1.20517	13.558	
68 1,1,2,2-Tetrachloroethane	0.91998	0.97344	0.89119	0.95731	0.97330	0.90909			
	0.90065	0.87786					0.92535	4.076	
69 1,4-Dichloro-2-butene	+++++	+++++	0.25459	0.24751	0.24379	0.27123			
	0.27526	0.27359					0.26100	5.380	
70 1,2,3-Trichloropropane	0.30155	0.22764	0.26847	0.28258	0.28110	0.27511			
	0.26321	0.24687					0.26832	8.519	

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Compound	5.000 Level 1 / 500.000 Level 7	10.000 Level 2 / 1000.000 Level 8	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	RRF	% RSD
71 Bromobenzene	0.85616	0.74545	0.80515	0.89055	0.89153	0.86046		
	0.89571	0.80104					0.84325	6.430
72 n-Propylbenzene	+++++	+++++	0.79525	0.94062	1.05536	1.07070		
	1.09835	1.01553					0.99597	11.300
73 2-Chlorotoluene	0.77205	0.72037	0.75901	0.90580	0.92814	0.92302		
	0.94842	0.86998					0.85335	10.454
74 1,3,5-Trimethylbenzene	+++++	+++++	2.20292	2.69140	2.96663	2.99497		
	3.08445	2.95491					2.81588	11.643
75 4-Chlorotoluene	0.78294	0.75758	0.84143	0.89572	0.95313	0.91606		
	0.94851	0.88344					0.87235	8.337
76 tert-Butylbenzene	+++++	1.75910	1.92508	2.24994	2.46786	2.47748		
	2.52029	2.43671					2.26235	13.414
77 1,2,4-Trimethylbenzene	+++++	+++++	2.26917	2.63384	2.98474	3.00983		
	3.10159	3.04349					2.84044	11.440
78 sec-Butylbenzene	+++++	+++++	2.89419	3.42621	3.68726	3.72748		
	3.86696	3.79270					3.56580	10.140
79 4-Isopropyltoluene	1.29896	1.67348	1.91907	2.33897	2.71526	2.82747		
	2.92711	2.91944					2.32747	26.993
80 1,3-Dichlorobenzene	1.47014	1.50199	1.39808	1.56190	1.57719	1.56320		
	1.62228	1.57048					1.53316	4.690
81 1,4-Dichlorobenzene	2.02697	1.64829	1.52165	1.64387	1.61139	1.57631		
	1.62707	1.60184					1.65717	9.348

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Curve Type : Average

Compound	5.000 Level 1 / 500.000 Level 7	10.000 Level 2 / 1000.000 Level 8	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	RRF	% RSD	
82 n-Butylbenzene	+++++	+++++	1.80674	2.02319	2.36500	2.50545			
	2.64063	2.66768					2.33478	14.964	
83 1,2-Dichlorobenzene	1.73161	1.43358	1.44325	1.53292	1.57809	1.52175			
	1.53472	1.52348					1.53742	5.996	
84 1,2-Dibromo-3-chloropropane	+++++	+++++	0.09983	0.09192	0.10760	0.10861			
	0.10215	0.12175					0.10531	9.548	
85 1,2,4-Trichlorobenzene	0.62981	0.68952	0.66130	0.66472	0.69714	0.68112			
	0.66392	0.71184					0.67492	3.779	
86 Hexachlorobutadiene	0.22635	0.29756	0.25234	0.30271	0.32118	0.28471			
	0.24422	0.24133					0.27130	12.734	
87 Naphthalene	+++++	+++++	1.46168	1.69280	1.92705	2.04860			
	1.91047	2.07119					1.85197	12.628	
88 1,2,3-Trichlorobenzene	0.45269	0.60008	0.66263	0.66872	0.69731	0.67503			
	0.59676	0.59209					0.61816	12.661	
89 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
91 3-Chloropropene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
92 Isopropyl Ether	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-

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Compound	5.000 Level 1 / 500.000 Level 7	10.000 Level 2 / 1000.000 Level 8	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	RRF	% RSD	
93 2-Chloro-1,3-butadiene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
94 Propionitrile	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
95 Ethyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
96 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
97 Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
98 Cyclohexane	0.48610	0.34844	0.43628	0.49303	0.51678	0.52138			
	0.54631	0.53364					0.48524	13.389	
99 n-Butanol	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
100 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
101 2-Nitropropane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
103 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-

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Compound	5.000 Level 1 / 500.000 Level 7	10.000 Level 2 / 1000.000 Level 8	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	RRF	% RSD	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
M 137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
141 1,3,5-Trichlorobenzene	0.74385	0.83743	0.79600	0.82447	0.86146	0.81777			
	0.79669	0.83196					0.81370	4.355	
143 Methyl Acetate	0.22210	0.20331	0.20740	0.22673	0.22042	0.22054			
	0.22401	0.22640					0.21886	3.991	

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Compound	5.000 Level 1 / 500.000 Level 7	10.000 Level 2 / 1000.000 Level 8	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	RRF	% RSD	
144 Methylcyclohexane	+++++	0.28651	0.35360	0.40554	0.42927	0.43257			
	0.45539	0.43277					0.39938	14.855	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
146 2-Methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	
147 Ethyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
148 n-Butyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
149 1,2:3,4-Diepoxybutane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
150 Bromoacetone	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
151 Allyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
152 Acenaphthylene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
$ 4 Dibromofluoromethane	0.21704	0.19817	0.20069	0.19742	0.20208	0.20400			
	0.21068	0.20824					0.20479	3.298	
$ 5 1,2-Dichloroethane-d4	0.31148	0.23660	0.21855	0.23382	0.23800	0.22304			
	0.23377	0.23588					0.24139	12.080	

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Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	RRF	% RSD
	500.000 Level 7	1000.000 Level 8						
$ 6 Toluene-d8	1.75340	1.63521	1.60243	1.66370	1.72657	1.88418		
	1.84826	1.76403					1.73472	5.721
$ 7 Bromofluorobenzene	0.39188	0.33782	0.32923	0.34662	0.37045	0.38626		
	0.40541	0.43073					0.37480	9.431

port Date : 17-May-2005 15:59

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st Edit : 17-May-2005 15:55 a3ux14.i

libration File Names:
vel 1: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141142.D
vel 2: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141141.D
vel 3: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141140.D
vel 4: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141139.D
vel 5: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141138.D
vel 6: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141137.D
vel 7: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141136.D
vel 8: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141135.D

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	500.0000 Level 7	1000.0000 Level 8									
8 Dichlorodifluoromethane	+++++	+++++	0.06725	0.07820	0.08042	0.08848					
	0.08949	0.09731					AVRG		0.08353		12.59220
9 Chloromethane	0.14944	0.15196	0.15680	0.15879	0.16366	0.16949					
	0.17798	0.17648					AVRG		0.16308		6.59889
10 Vinyl Chloride	+++++	0.13823	0.13043	0.13657	0.14627	0.14579					
	0.14252	0.14404					AVRG		0.14055		4.10478

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Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	500.0000 Level 7	1000.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
11 Bromomethane	0.04579	0.05037	0.06145	0.06598	0.06286	0.05803								
	0.05177	+++++							AVRG		0.05661		13.13657	
12 Chloroethane	+++++	+++++	0.06675	0.07586	0.07548	0.07486								
	0.06997	0.06257							AVRG		0.07092		7.69151	
13 Trichlorofluoromethane	0.15254	0.16299	0.16152	0.15660	0.16951	0.18055								
	0.17397	0.17971							AVRG		0.16718		6.24661	
14 Dichlorofluoromethane	+++++	+++++	+++++	+++++	+++++	+++++								
	+++++	+++++							AVRG		0.000e+000		0.000e+000	<-
15 Acrolein	0.03896	0.03653	0.03588	0.04123	0.03895	0.04185								
	0.04062	0.04167							AVRG		0.03946		5.82197	
16 Acetone	19366	24947	48750	89874	164396	365314								
	749898	1421687							WLINR	-0.06567	0.11623		0.99932	
17 1,1-Dichloroethene	0.15465	0.17854	0.17679	0.18669	0.18901	0.19347								
	0.20002	0.19987							AVRG		0.18488		8.09422	

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Compound	5.0000 Level 1 / 500.0000 Level 7	10.0000 Level 2 / 1000.0000 Level 8	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
18 Freon-113	+++++	+++++	0.06371	0.07525	0.07681	0.07763					
	0.08346	0.08065					AVRG		0.07625		8.93101
19 Iodomethane	0.31399	0.29201	0.28960	0.30328	0.29660	0.30677					
	0.30407	0.31051					AVRG		0.30210		2.87364
20 Carbon Disulfide	0.65886	0.60957	0.60910	0.64187	0.65706	0.69134					
	0.69271	0.72890					AVRG		0.66118		6.32994
21 Methylene Chloride	33070	38842	64532	108786	187653	439105					
	875568	1666197					WLINR	-0.05610	0.26886		0.99926
22 Acetonitrile	0.03148	0.02831	0.02651	0.02771	0.02509	0.02598					
	0.02548	0.02540					AVRG		0.02700		7.92892
23 Acrylonitrile	0.10957	0.09607	0.09632	0.10978	0.10296	0.10639					
	0.10346	0.10414					AVRG		0.10359		5.05870
24 Methyl tert-butyl ether	0.45588	0.47099	0.48878	0.55046	0.55106	0.55271					
	0.60034	0.56904					AVRG		0.52991		9.70811

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Compound	5.0000 Level 1 / 500.0000 Level 7	10.0000 Level 2 / 1000.0000 Level 8	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
25 trans-1,2-Dichloroethene	0.25201	0.22598	0.22904	0.24796	0.24242	0.24309						
	0.24884	0.24143					AVRG		0.24135		3.85261	
26 Hexane	+++++	0.04631	0.05115	0.05532	0.05765	0.06123						
	0.06391	0.06482					AVRG		0.05720		11.90801	
27 Vinyl acetate	10466	21259	55497	132943	259497	781509						
	1562452	3185821					WLINR	0.01505	0.51090		0.99631	
28 1,1-Dichloroethane	0.48257	0.46009	0.44250	0.48408	0.46821	0.47749						
	0.50331	0.49763					AVRG		0.47698		4.15769	
29 tert-Butyl Alcohol	0.00791	0.00828	0.00907	0.00990	0.00994	0.01117						
	0.01193	0.01102					AVRG		0.00990		14.40296	<-
30 2-Butanone	0.18076	0.15283	0.15018	0.16981	0.17074	0.16429						
	0.16662	0.16356					AVRG		0.16485		5.96716	
31 1,2-Dichloroethene (total)	0.25925	0.23577	0.23643	0.25857	0.25462	0.25344						
	0.26124	0.25218					AVRG		0.25144		3.95795	

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Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	500.0000 Level 7	1000.0000 Level 8									
32 cis-1,2-dichloroethene	0.26649	0.24555	0.24383	0.26919	0.26682	0.26379					
	0.27363	0.26294					AVRG		0.26153		4.17213
33 2,2-Dichloropropane	+++++	+++++	0.14635	0.15415	0.17211	0.19084					
	0.20422	0.19979					AVRG		0.17791		13.61244
34 Bromochloromethane	0.12061	0.11819	0.11966	0.12559	0.12824	0.11886					
	0.12916	0.12346					AVRG		0.12297		3.49798
35 Chloroform	0.39488	0.38115	0.35946	0.39275	0.38434	0.38168					
	0.40109	0.39235					AVRG		0.38596		3.30895
36 Tetrahydrofuran	+++++	0.09347	0.08040	0.08336	0.07816	0.07948					
	0.07796	0.07734					AVRG		0.08145		6.96166
37 1,1,1-Trichloroethane	0.21671	0.20954	0.22413	0.24697	0.25502	0.26531					
	0.27546	0.27325					AVRG		0.24580		10.57703
38 1,1-Dichloropropene	0.23963	0.22651	0.26463	0.27991	0.28945	0.29201					
	0.30381	0.29205					AVRG		0.27350		10.09339

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Compound	5.0000 Level 1 / 500.0000 Level 7	10.0000 Level 2 / 1000.0000 Level 8	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
39 Carbon Tetrachloride	0.17098	0.16374	0.18622	0.20956	0.21495	0.22230					
	0.23487	0.23327					AVRG		0.20449		13.48279
40 1,2-Dichloroethane	0.28123	0.30160	0.29040	0.31111	0.30688	0.30156					
	0.31221	0.29738					AVRG		0.30030		3.50461
41 Benzene	1.05912	1.02986	0.98104	1.06030	1.03529	1.01962					
	1.04458	0.99491					AVRG		1.02809		2.77909
42 Trichloroethene	0.22387	0.21248	0.21916	0.22608	0.22408	0.22782					
	0.23592	0.22626					AVRG		0.22446		3.01632
43 1,2-Dichloropropane	0.30109	0.29039	0.26839	0.29425	0.29871	0.28989					
	0.29674	0.27726					AVRG		0.28959		3.89450
44 1,4-Dioxane	0.00112	0.00088	0.00114	0.00116	0.00132	0.00140					
	0.00141	0.00134					AVRG		0.00122		14.87421 <-
45 Dibromomethane	0.11655	0.11460	0.10687	0.12169	0.12041	0.11844					
	0.12096	0.11541					AVRG		0.11687		4.12070

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Compound	5.0000 Level 1 / 500.0000 Level 7	10.0000 Level 2 / 1000.0000 Level 8	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
46 Bromodichloromethane	0.22317	0.24330	0.22532	0.24636	0.24986	0.25644					
	0.27229	0.26292					AVRG		0.24746		6.90022
47 2-Chloroethyl vinyl ether	+++++	2912	9299	21412	46498	147754					
	298811	717935					QUAD	0.07477	22.89198	-13.01285	0.99975
48 cis-1,3-Dichloropropene	+++++	+++++	0.24029	0.29065	0.31023	0.33541					
	0.35986	0.34422					AVRG		0.31344		13.88051
49 4-Methyl-2-pentanone	7818	15749	51311	127189	281171	774458					
	1568407	2928891					WLINR	0.03379	0.24443		0.99831
50 Toluene	2.22084	2.00402	1.93858	2.07578	2.05378	2.04170					
	2.12292	2.02525					AVRG		2.06036		4.08276
51 trans-1,3-Dichloropropene	4529	9034	26723	66284	138757	391421					
	829144	1563008					WLINR	0.01863	0.59287		0.99535
52 Ethyl Methacrylate	2191	6716	21583	58361	137408	412648					
	834150	1573643					WLINR	0.02578	0.60099		0.99508

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Compound	5.0000 Level 1 / 500.0000 Level 7	10.0000 Level 2 / 1000.0000 Level 8	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
53 1,1,2-Trichloroethane	0.34751	0.37973	0.35981	0.38145	0.37404	0.36774					
	0.37886	0.36633					AVRG		0.36943		3.14651
54 1,3-Dichloropropane	0.63339	0.61878	0.63362	0.68729	0.66431	0.65838					
	0.67164	0.64266					AVRG		0.65126		3.52736
55 Tetrachloroethene	0.29570	0.25331	0.26802	0.28600	0.29704	0.29311					
	0.30128	0.28583					AVRG		0.28504		5.75617
56 2-Hexanone	4759	9444	33579	80206	186934	512415					
	1061608	2070410					WLINR	0.04387	0.38915		0.99506
57 Dibromochloromethane	0.26008	0.23183	0.24593	0.29880	0.29768	0.31233					
	0.33511	0.33440					AVRG		0.28952		13.60501
58 1,2-Dibromoethane	0.25932	0.28894	0.28354	0.31763	0.32740	0.31873					
	0.33028	0.33113					AVRG		0.30712		8.65020
59 Chlorobenzene	1.10593	1.04893	1.00062	1.04655	1.01005	1.02836					
	1.05325	1.02998					AVRG		1.04046		3.10953

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Compound	5.0000 Level 1 / 500.0000 Level 7	10.0000 Level 2 / 1000.0000 Level 8	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
60 1,1,1,2-Tetrachloroethane	0.25423	0.24853	0.25175	0.28557	0.28608	0.29565						
	0.31325	0.30856					AVRG		0.28045		9.22492	
61 Ethylbenzene	0.50084	0.46122	0.49123	0.54108	0.56514	0.57906						
	0.60038	0.57622					AVRG		0.53940		9.19836	
62 m + p-Xylene	0.54273	0.55192	0.54705	0.64266	0.66711	0.67801						
	0.70213	0.66848					AVRG		0.62501		10.63346	
63 Xylenes (total)	0.50536	0.52210	0.52124	0.62094	0.64207	0.65589						
	0.67992	0.65392					AVRG		0.60018		11.92482	
64 Xylene-o	0.43061	0.46244	0.46961	0.57750	0.59199	0.61165						
	0.63549	0.62481					AVRG		0.55051		14.98026	
65 Styrene	8298	17797	51020	123056	269638	714772						
	1477707	2731643					WLINR	0.01576	1.04913		0.99763	
66 Bromoform	+++++	+++++	6231	14620	32500	86721						
	185751	379404					WLINR	0.05931	0.14326		0.99511	<-

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Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	500.0000 Level 7	1000.0000 Level 8									
67 Isopropylbenzene	+++++	+++++	0.94657	1.10677	1.17591	1.26917					
	1.36053	1.37206					AVRG		1.20517		13.55817
68 1,1,2,2-Tetrachloroethane	0.91998	0.97344	0.89119	0.95731	0.97330	0.90909					
	0.90065	0.87786					AVRG		0.92535		4.07623
69 1,4-Dichloro-2-butene	+++++	+++++	0.25459	0.24751	0.24379	0.27123					
	0.27526	0.27359					AVRG		0.26100		5.37999
70 1,2,3-Trichloropropane	0.30155	0.22764	0.26847	0.28258	0.28110	0.27511					
	0.26321	0.24687					AVRG		0.26832		8.51904
71 Bromobenzene	0.85616	0.74545	0.80515	0.89055	0.89153	0.86046					
	0.89571	0.80104					AVRG		0.84325		6.43015
72 n-Propylbenzene	+++++	+++++	0.79525	0.94062	1.05536	1.07070					
	1.09835	1.01553					AVRG		0.99597		11.29968
73 2-Chlorotoluene	0.77205	0.72037	0.75901	0.90580	0.92814	0.92302					
	0.94842	0.86998					AVRG		0.85335		10.45366

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Compound	5.0000 Level 1 / 500.0000 Level 7	10.0000 Level 2 / 1000.0000 Level 8	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
74 1,3,5-Trimethylbenzene	+++++	+++++	2.20292	2.69140	2.96663	2.99497					
	3.08445	2.95491					AVRG		2.81588		11.64331
75 4-Chlorotoluene	0.78294	0.75758	0.84143	0.89572	0.95313	0.91606					
	0.94851	0.88344					AVRG		0.87235		8.33736
76 tert-Butylbenzene	+++++	1.75910	1.92508	2.24994	2.46786	2.47748					
	2.52029	2.43671					AVRG		2.26235		13.41444
77 1,2,4-Trimethylbenzene	+++++	+++++	2.26917	2.63384	2.98474	3.00983					
	3.10159	3.04349					AVRG		2.84044		11.44031
78 sec-Butylbenzene	+++++	+++++	2.89419	3.42621	3.68726	3.72748					
	3.86696	3.79270					AVRG		3.56580		10.13962
79 4-Isopropyltoluene	5251	14482	43425	105801	246894	672361					
	1393314	2930167					WLINR	0.01711	2.91505		0.99885
80 1,3-Dichlorobenzene	1.47014	1.50199	1.39808	1.56190	1.57719	1.56320					
	1.62228	1.57048					AVRG		1.53316		4.68987

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Compound	5.0000 Level 1 / 500.0000 Level 7	10.0000 Level 2 / 1000.0000 Level 8	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
81 1,4-Dichlorobenzene	2.02697	1.64829	1.52165	1.64387	1.61139	1.57631					
	1.62707	1.60184					AVRG		1.65717		9.34779
82 n-Butylbenzene	+++++	+++++	1.80674	2.02319	2.36500	2.50545					
	2.64063	2.66768					AVRG		2.33478		14.96405
83 1,2-Dichlorobenzene	1.73161	1.43358	1.44325	1.53292	1.57809	1.52175					
	1.53472	1.52348					AVRG		1.53742		5.99581
84 1,2-Dibromo-3-chloropropane	+++++	+++++	0.09983	0.09192	0.10760	0.10861					
	0.10215	0.12175					AVRG		0.10531		9.54802
85 1,2,4-Trichlorobenzene	0.62981	0.68952	0.66130	0.66472	0.69714	0.68112					
	0.66392	0.71184					AVRG		0.67492		3.77917
86 Hexachlorobutadiene	0.22635	0.29756	0.25234	0.30271	0.32118	0.28471					
	0.24422	0.24133					AVRG		0.27130		12.73432
87 Naphthalene	+++++	+++++	1.46168	1.69280	1.92705	2.04860					
	1.91047	2.07119					AVRG		1.85197		12.62752

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88 1,2,3-Trichlorobenzene	0.45269	0.60008	0.66263	0.66872	0.69731	0.67503						
	0.59676	0.59209					AVRG		0.61816		12.66073	
89 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
92 Isopropyl Ether	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
93 2-Chloro-1,3-butadiene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
94 Propionitrile	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

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95 Ethyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
96 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
97 Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
98 Cyclohexane	0.48610	0.34844	0.43628	0.49303	0.51678	0.52138						
	0.54631	0.53364					AVRG		0.48524		13.38880	
99 n-Butanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
100 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
101 2-Nitropropane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

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102 Chloropicrin	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
103 Cyclohexanone	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
104 Pentachloroethane	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
105 Benzyl Chloride	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
134 Thiophene	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
135 Crotononitrile(1st Isomer)	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
136 Crotononitrile(2nd Isomer)	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

port Date : 17-May-2005 15:59

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 17-MAY-2005 12:05
d Cal Date : 17-MAY-2005 14:53
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\8260SUX14.m
st Edit : 17-May-2005 15:55 a3ux14.i

Compound	5.0000 Level 1 / 500.0000 Level 7	10.0000 Level 2 / 1000.0000 Level 8	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
141 1,3,5-Trichlorobenzene	0.74385	0.83743	0.79600	0.82447	0.86146	0.81777						
	0.79669	0.83196					AVRG		0.81370		4.35524	
143 Methyl Acetate	0.22210	0.20331	0.20740	0.22673	0.22042	0.22054						
	0.22401	0.22640					AVRG		0.21886		3.99102	
144 Methylcyclohexane	+++++	0.28651	0.35360	0.40554	0.42927	0.43257						
	0.45539	0.43277					AVRG		0.39938		14.85510	

port Date : 17-May-2005 15:59

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 17-MAY-2005 12:05
d Cal Date : 17-MAY-2005 14:53
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\8260SUX14.m
st Edit : 17-May-2005 15:55 a3ux14.i

Compound	5.0000 Level 1 / 500.0000 Level 7	10.0000 Level 2 / 1000.0000 Level 8	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
145 Dimethoxymethane	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
146 2-Methylnaphthalene	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	
147 Ethyl Acrylate	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
148 n-Butyl Acrylate	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
149 1,2:3,4-Diepoxybutane	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
150 Bromoacetone	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
151 Allyl Alcohol	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

port Date : 17-May-2005 15:59

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 17-MAY-2005 12:05
d Cal Date : 17-MAY-2005 14:53
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\8260SUX14.m
st Edit : 17-May-2005 15:55 a3ux14.i

Compound	5.0000 Level 1 / 500.0000 Level 7	10.0000 Level 2 / 1000.0000 Level 8	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
152 Acenaphthylene	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
4 Dibromofluoromethane	0.21704 / 0.21068	0.19817 / 0.20824	0.20069	0.19742	0.20208	0.20400	AVRG		0.20479		3.29838	
5 1,2-Dichloroethane-d4	0.31148 / 0.23377	0.23660 / 0.23588	0.21855	0.23382	0.23800	0.22304	AVRG		0.24139		12.07961	
6 Toluene-d8	1.75340 / 1.84826	1.63521 / 1.76403	1.60243	1.66370	1.72657	1.88418	AVRG		1.73472		5.72120	
7 Bromofluorobenzene	0.39188 / 0.40541	0.33782 / 0.43073	0.32923	0.34662	0.37045	0.38626	AVRG		0.37480		9.43083	

port Date : 17-May-2005 15:59

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 17-MAY-2005 12:05
d Cal Date : 17-MAY-2005 14:53
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\8260SUX14.m
st Edit : 17-May-2005 15:55 a3ux14.i

urve	Formula	Units
veraged	Amt = Rsp/m1	Response
t Linear	Amt = b + Rsp/m1	Response
uad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141135.D
Report Date: 17-May-2005 15:52

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141135.D
Lab Smp Id: 1000NG-IC
Inj Date : 17-MAY-2005 12:05
Operator : 2807 Inst ID: a3ux14.i
Smp Info : 1000NG-IC
Misc Info : R50517A-IC,8260SUX14,1-8260.SUB,2807,1,8
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\8260SUX14.m
Meth Date : 17-May-2005 15:52 a3ux14.i Quant Type: ISTD
Cal Date : 17-MAY-2005 14:53 Cal File: 141142.D
Als bottle: 2 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV09

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
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	4.685	4.685	(1.000)	1514506	250.000	
* 2 Chlorobenzene-d5	117	7.167	7.167	(1.000)	644708	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.333	9.333	(1.000)	250919	250.000	
$ 4 Dibromofluoromethane	113	4.180	4.180	(0.892)	1261520	1000.00	1016.8(A)
$ 5 1,2-Dichloroethane-d4	65	4.436	4.436	(0.947)	1428972	1000.00	977.17
$ 6 Toluene-d8	98	5.926	5.926	(0.827)	4549135	1000.00	1016.9(A)
$ 7 Bromofluorobenzene	95	8.232	8.232	(1.149)	1110781	1000.00	1149.2(A)
8 Dichlorodifluoromethane	85	1.346	1.346	(0.287)	589504	1000.00	1165.0(A)
9 Chloromethane	50	1.504	1.504	(0.321)	1069132	1000.00	1082.2(A)
10 Vinyl Chloride	62	1.601	1.601	(0.342)	872602	1000.00	1024.8(A)
11 Bromomethane	94	1.881	1.881	(0.401)	240829	1000.00	702.29
12 Chloroethane	64	1.972	1.972	(0.421)	379050	1000.00	882.32
13 Trichlorofluoromethane	101	2.161	2.161	(0.461)	1088699	1000.00	1075.0(A)
15 Acrolein	56	2.477	2.477	(0.529)	2524406	10000.0	10560(A)
16 Acetone	43	2.593	2.593	(0.553)	1421687	2000.00	1455.9
17 1,1-Dichloroethene	96	2.556	2.556	(0.546)	1210826	1000.00	1081.1(A)
18 Freon-113	151	2.574	2.574	(0.549)	488576	1000.00	1057.7(A)
19 Iodomethane	142	2.672	2.672	(0.570)	1881047	1000.00	1027.8(A)
20 Carbon Disulfide	76	2.726	2.726	(0.582)	4415707	1000.00	1102.4(A)
21 Methylene Chloride	84	2.909	2.909	(0.621)	1666197	1000.00	615.93
22 Acetonitrile	41	2.793	2.793	(0.596)	1538949	10000.0	9410.2
23 Acrylonitrile	53	3.085	3.085	(0.659)	6309022	10000.0	10054(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141135.D
Report Date: 17-May-2005 15:52

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.116	3.116	(0.665)	3447235	1000.00	1073.8(A)
	25 trans-1,2-Dichloroethene	96	3.116	3.116	(0.665)	1462600	1000.00	1000.4(A)
	26 Hexane	86	3.317	3.317	(0.708)	392668	1000.00	1133.2(A)
	27 Vinyl acetate	43	3.444	3.444	(0.735)	3185821	1000.00	1251.2(A)
	28 1,1-Dichloroethane	63	3.414	3.414	(0.729)	3014635	1000.00	1043.3(A)
	29 tert-Butyl Alcohol	59	2.994	2.994	(0.639)	1334667	20000.0	22250(A)
	30 2-Butanone	43	3.834	3.834	(0.818)	1981722	2000.00	1984.4
M	31 1,2-Dichloroethene (total)	96				3055469	2000.00	
	32 cis-1,2-dichloroethene	96	3.834	3.834	(0.818)	1592869	1000.00	1005.4(A)
	33 2,2-Dichloropropane	77	3.840	3.840	(0.820)	1210339	1000.00	1123.0(A)
	34 Bromochloromethane	128	4.010	4.010	(0.856)	747918	1000.00	1004.0(A)
	35 Chloroform	83	4.065	4.065	(0.868)	2376863	1000.00	1016.5(A)
	36 Tetrahydrofuran	42	4.047	4.047	(0.864)	468547	1000.00	949.54
	37 1,1,1-Trichloroethane	97	4.211	4.211	(0.899)	1655363	1000.00	1111.7(A)
	38 1,1-Dichloropropene	75	4.326	4.326	(0.923)	1769220	1000.00	1067.8(A)
	39 Carbon Tetrachloride	117	4.339	4.339	(0.926)	1413161	1000.00	1140.8(A)
	40 1,2-Dichloroethane	62	4.491	4.491	(0.958)	1801565	1000.00	990.30
	41 Benzene	78	4.485	4.485	(0.957)	6027161	1000.00	967.72
	42 Trichloroethene	130	4.971	4.971	(1.061)	1370684	1000.00	1008.0(A)
	43 1,2-Dichloropropane	63	5.142	5.142	(1.097)	1679659	1000.00	957.42
	44 1,4-Dioxane	88	5.233	5.233	(1.117)	405408	50000.0	54839(A)
	45 Dibromomethane	93	5.233	5.233	(1.117)	699166	1000.00	987.54
	46 Bromodichloromethane	83	5.349	5.349	(1.142)	1592788	1000.00	1062.5(A)
	47 2-Chloroethyl vinyl ether	63	5.574	5.574	(1.190)	717935	2000.00	3017.1(A)
	48 cis-1,3-Dichloropropene	75	5.701	5.701	(1.217)	2085275	1000.00	1098.2(A)
	49 4-Methyl-2-pentanone	43	5.817	5.817	(1.241)	2928891	2000.00	2469.4(A)
	50 Toluene	91	5.987	5.987	(0.835)	5222792	1000.00	982.96
	51 trans-1,3-Dichloropropene	75	6.152	6.152	(0.858)	1563008	1000.00	1309.9(A)
	52 Ethyl Methacrylate	69	6.218	6.218	(0.868)	1573643	1000.00	1458.2(A)
	53 1,1,2-Trichloroethane	97	6.310	6.310	(0.880)	944700	1000.00	991.60
	54 1,3-Dichloropropane	76	6.456	6.456	(0.901)	1657320	1000.00	986.80
	55 Tetrachloroethene	164	6.450	6.450	(0.900)	737115	1000.00	1002.8(A)
	56 2-Hexanone	43	6.510	6.510	(0.908)	2070410	2000.00	2782.1(A)
	57 Dibromochloromethane	129	6.656	6.656	(0.929)	862366	1000.00	1155.0(A)
	58 1,2-Dibromoethane	107	6.760	6.760	(0.943)	853933	1000.00	1078.2(A)
	59 Chlorobenzene	112	7.192	7.192	(1.003)	2656143	1000.00	989.93
	60 1,1,1,2-Tetrachloroethane	131	7.259	7.259	(1.013)	795735	1000.00	1100.2(A)
	61 Ethylbenzene	106	7.283	7.283	(1.016)	1485984	1000.00	1068.3(A)
	62 m + p-Xylene	106	7.387	7.387	(1.031)	3447790	2000.00	2139.1(A)
M	63 Xylenes (total)	106				5059067	3000.00	
	64 Xylene-o	106	7.752	7.752	(1.081)	1611277	1000.00	1135.0(A)
	65 Styrene	104	7.764	7.764	(1.083)	2731643	1000.00	1239.9(A)
	66 Bromoform	173	7.934	7.934	(1.107)	379404	1000.00	1268.3(A)
	67 Isopropylbenzene	105	8.086	8.086	(1.128)	3538309	1000.00	1138.5(A)
	68 1,1,2,2-Tetrachloroethane	83	8.360	8.360	(0.896)	881087	1000.00	948.68
	69 1,4-Dichloro-2-butene	53	8.415	8.415	(0.902)	274596	1000.00	1048.2(A)
	70 1,2,3-Trichloropropane	110	8.402	8.402	(0.900)	247777	1000.00	920.07
	71 Bromobenzene	156	8.378	8.378	(0.898)	803985	1000.00	949.94
	72 n-Propylbenzene	120	8.475	8.475	(0.908)	1019261	1000.00	1019.6(A)
	73 2-Chlorotoluene	126	8.561	8.561	(0.917)	873175	1000.00	1019.5(A)
	74 1,3,5-Trimethylbenzene	105	8.640	8.640	(0.926)	2965771	1000.00	1049.4(A)
	75 4-Chlorotoluene	126	8.664	8.664	(0.928)	886687	1000.00	1012.7(A)
	76 tert-Butylbenzene	119	8.950	8.950	(0.959)	2445668	1000.00	1077.1(A)
	77 1,2,4-Trimethylbenzene	105	8.999	8.999	(0.964)	3054682	1000.00	1071.5(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141135.D
Report Date: 17-May-2005 15:52

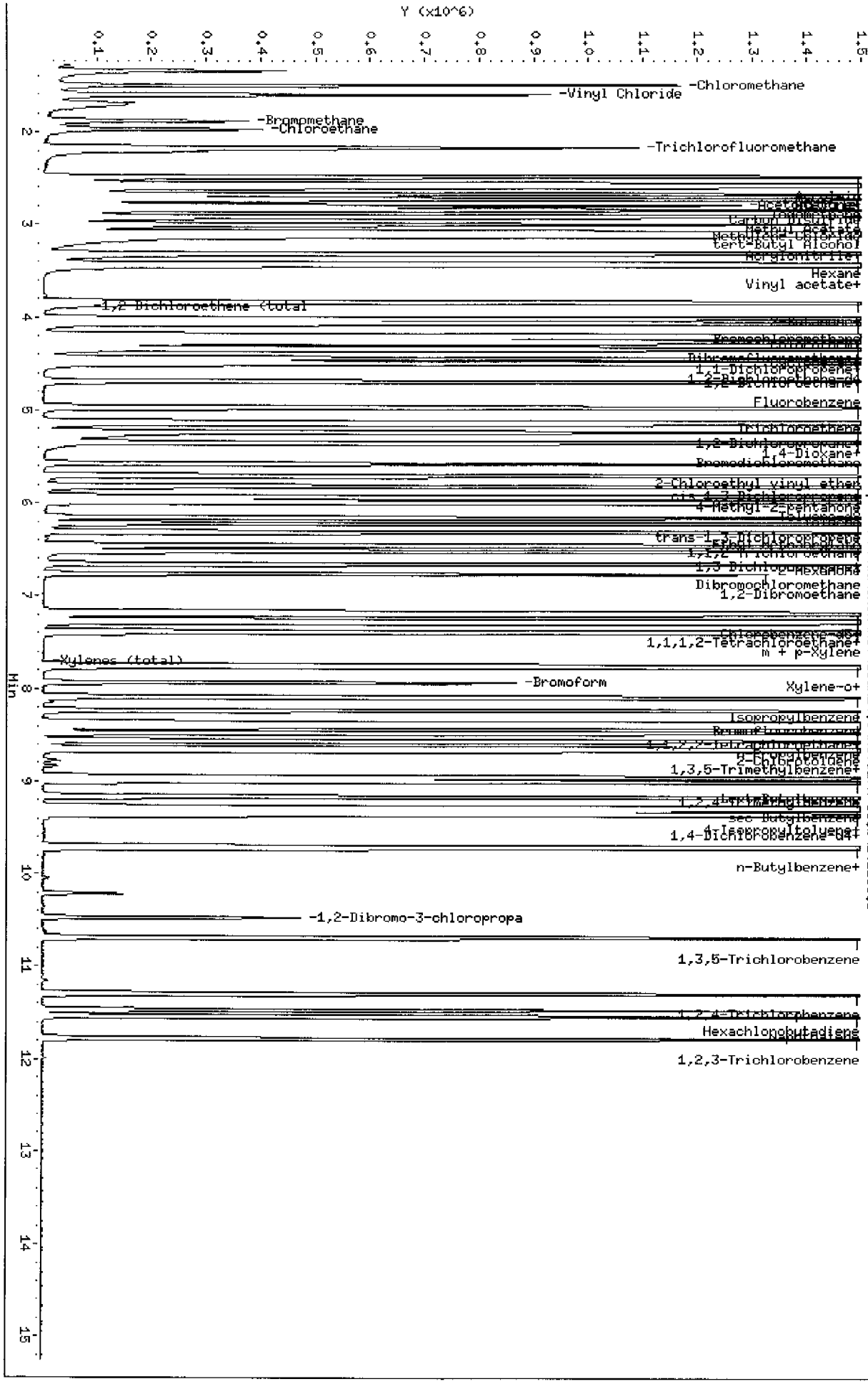
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
78 sec-Butylbenzene	105	9.163	9.163	(0.982)	3806645	1000.00	1063.6(A)
79 4-Isopropyltoluene	119	9.303	9.303	(0.997)	2930167	1000.00	1254.3(A)
80 1,3-Dichlorobenzene	146	9.272	9.272	(0.993)	1576249	1000.00	1024.3(A)
81 1,4-Dichlorobenzene	146	9.358	9.358	(1.003)	1607726	1000.00	966.61
82 n-Butylbenzene	91	9.698	9.698	(1.039)	2677485	1000.00	1142.6(A)
83 1,2-Dichlorobenzene	146	9.717	9.717	(1.041)	1529083	1000.00	990.93
84 1,2-Dibromo-3-chloropropane	157	10.471	10.471	(1.122)	122193	1000.00	1156.0(A)
85 1,2,4-Trichlorobenzene	180	11.298	11.298	(1.211)	714460	1000.00	1054.7(A)
86 Hexachlorobutadiene	225	11.469	11.469	(1.229)	242220	1000.00	889.54
87 Naphthalene	128	11.536	11.536	(1.236)	2078804	1000.00	1118.4(A)
88 1,2,3-Trichlorobenzene	180	11.779	11.779	(1.262)	594267	1000.00	957.82
98 Cyclohexane	56	4.260	4.260	(0.909)	3232795	1000.00	1099.7(A)
143 Methyl Acetate	43	2.836	2.836	(0.605)	2743054	2000.00	2068.8(A)
144 Methylcyclohexane	83	5.123	5.123	(1.093)	2621719	1000.00	1083.6(A)
141 1,3,5-Trichlorobenzene	180	10.690	10.690	(1.145)	835015	1000.00	1022.4(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141135.D
Date : 17-MAY-2005 12:05
Client ID:
Sample Info: 1000NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux14.i
Operator: 2807
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141136.D
Report Date: 17-May-2005 15:54

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141136.D
Lab Smp Id: 500NG-IC
Inj Date : 17-MAY-2005 12:29
Operator : 2807 Inst ID: a3ux14.i
Smp Info : 500NG-IC
Misc Info : R50517A-IC,8260SUX14,1-8260.SUB,2807,1,7
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\8260SUX14.m
Meth Date : 17-May-2005 15:54 a3ux14.i Quant Type: ISTD
Cal Date : 17-MAY-2005 12:53 Cal File: 141137.D
Als bottle: 3 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV09

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

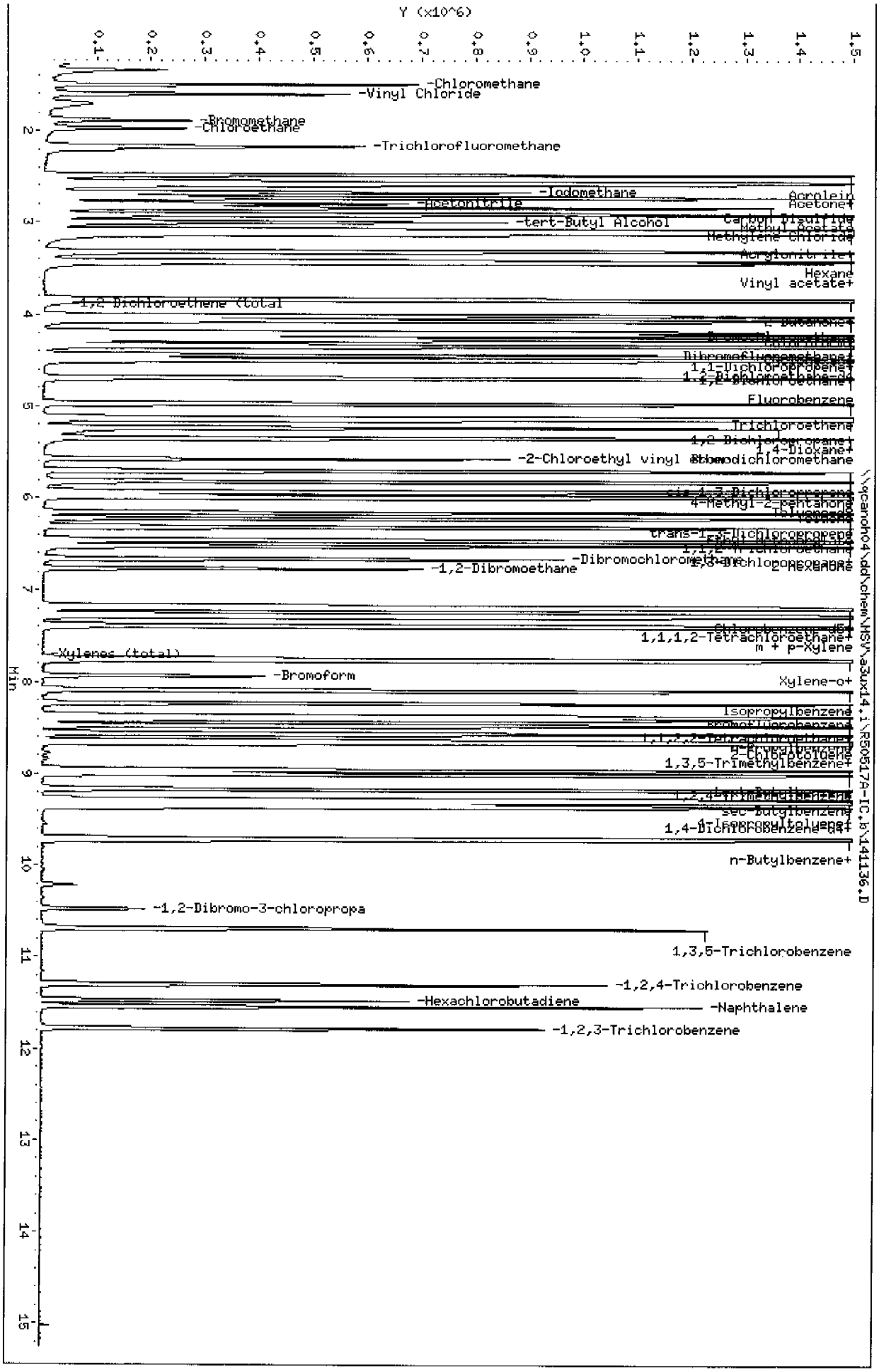
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.685	4.685	(1.000)	1565308	250.000	
* 2 Chlorobenzene-d5	117	7.167	7.167	(1.000)	692241	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.333	9.333	(1.000)	238002	250.000	
$ 4 Dibromofluoromethane	113	4.180	4.180	(0.892)	659564	500.000	514.38
$ 5 1,2-Dichloroethane-d4	65	4.436	4.436	(0.947)	731847	500.000	484.21
$ 6 Toluene-d8	98	5.932	5.932	(0.828)	2558882	500.000	532.72
$ 7 Bromofluorobenzene	95	8.232	8.232	(1.149)	561288	500.000	540.84
8 Dichlorodifluoromethane	85	1.345	1.345	(0.287)	280162	500.000	535.71
9 Chloromethane	50	1.498	1.498	(0.320)	557186	500.000	545.70
10 Vinyl Chloride	62	1.601	1.601	(0.342)	446163	500.000	507.00
11 Bromomethane	94	1.887	1.887	(0.403)	162068	500.000	457.27
12 Chloroethane	64	1.972	1.972	(0.421)	219043	500.000	493.32
13 Trichlorofluoromethane	101	2.167	2.167	(0.463)	544644	500.000	520.33
15 Acrolein	56	2.477	2.477	(0.529)	1271786	5000.00	5147.2
16 Acetone	43	2.593	2.593	(0.553)	749898	1000.00	743.04
17 1,1-Dichloroethene	96	2.556	2.556	(0.546)	626193	500.000	540.95
18 Freon-113	151	2.580	2.580	(0.551)	261285	500.000	547.28
19 Iodomethane	142	2.672	2.672	(0.570)	951912	500.000	503.25
20 Carbon Disulfide	76	2.726	2.726	(0.582)	2168596	500.000	523.84
21 Methylene Chloride	84	2.915	2.915	(0.622)	875568	500.000	313.16
22 Acetonitrile	41	2.793	2.793	(0.596)	797750	5000.00	4719.7
23 Acrylonitrile	53	3.085	3.085	(0.659)	3238940	5000.00	4993.9

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141136.D
Report Date: 17-May-2005 15:54

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.116	3.116	(0.665)	1879447	500.000	566.46
	25 trans-1,2-Dichloroethene	96	3.116	3.116	(0.665)	779023	500.000	515.53
	26 Hexane	86	3.317	3.317	(0.708)	200084	500.000	558.69
	27 Vinyl acetate	43	3.444	3.444	(0.735)	1562452	500.000	593.71
	28 1,1-Dichloroethane	63	3.420	3.420	(0.730)	1575671	500.000	527.60
	29 tert-Butyl Alcohol	59	2.994	2.994	(0.639)	746884	10000.0	12047
	30 2-Butanone	43	3.834	3.834	(0.818)	1043243	1000.00	1010.7
M	31 1,2-Dichloroethene (total)	96				1635654	1000.00	
	32 cis-1,2-dichloroethene	96	3.840	3.840	(0.820)	856631	500.000	523.14
	33 2,2-Dichloropropane	77	3.840	3.840	(0.820)	639347	500.000	573.94
	34 Bromochloromethane	128	4.010	4.010	(0.856)	404360	500.000	525.17
	35 Chloroform	83	4.065	4.065	(0.868)	1255668	500.000	519.60
	36 Tetrahydrofuran	42	4.047	4.047	(0.864)	244064	500.000	478.56
	37 1,1,1-Trichloroethane	97	4.211	4.211	(0.899)	862367	500.000	560.34
	38 1,1-Dichloropropene	75	4.332	4.332	(0.925)	951099	500.000	555.40
	39 Carbon Tetrachloride	117	4.339	4.339	(0.926)	735283	500.000	574.29
	40 1,2-Dichloroethane	62	4.491	4.491	(0.958)	977406	500.000	519.83
	41 Benzene	78	4.485	4.485	(0.957)	3270171	500.000	508.02
	42 Trichloroethene	130	4.971	4.971	(1.061)	738589	500.000	525.54
	43 1,2-Dichloropropane	63	5.142	5.142	(1.097)	928974	500.000	512.34
	44 1,4-Dioxane	88	5.239	5.239	(1.118)	220697	25000.0	28884
	45 Dibromomethane	93	5.233	5.233	(1.117)	378690	500.000	517.52
	46 Bromodichloromethane	83	5.348	5.348	(1.142)	852442	500.000	550.18
	47 2-Chloroethyl vinyl ether	63	5.574	5.574	(1.190)	298811	1000.00	1215.0
	48 cis-1,3-Dichloropropene	75	5.701	5.701	(1.217)	1126569	500.000	574.04
	49 4-Methyl-2-pentanone	43	5.817	5.817	(1.241)	1568407	1000.00	1279.4
	50 Toluene	91	5.987	5.987	(0.835)	2939138	500.000	515.18
	51 trans-1,3-Dichloropropene	75	6.151	6.151	(0.858)	829144	500.000	647.15
	52 Ethyl Methacrylate	69	6.218	6.218	(0.868)	834150	500.000	719.88
	53 1,1,2-Trichloroethane	97	6.310	6.310	(0.880)	524519	500.000	512.75
	54 1,3-Dichloropropane	76	6.456	6.456	(0.901)	929877	500.000	515.65
	55 Tetrachloroethene	164	6.450	6.450	(0.900)	417113	500.000	528.49
	56 2-Hexanone	43	6.510	6.510	(0.908)	1061608	1000.00	1328.6
	57 Dibromochloromethane	129	6.656	6.656	(0.929)	463958	500.000	578.74
	58 1,2-Dibromoethane	107	6.760	6.760	(0.943)	457268	500.000	537.70
	59 Chlorobenzene	112	7.192	7.192	(1.003)	1458200	500.000	506.14
	60 1,1,1,2-Tetrachloroethane	131	7.259	7.259	(1.013)	433692	500.000	558.48
	61 Ethylbenzene	106	7.283	7.283	(1.016)	831210	500.000	556.52
	62 m + p-Xylene	106	7.386	7.386	(1.031)	1944175	1000.00	1123.4
M	63 Xylenes (total)	106				2824004	1500.00	
	64 Xylene-o	106	7.751	7.751	(1.081)	879829	500.000	577.18
	65 Styrene	104	7.764	7.764	(1.083)	1477707	500.000	624.70
	66 Bromoform	173	7.934	7.934	(1.107)	185751	500.000	578.30
	67 Isopropylbenzene	105	8.086	8.086	(1.128)	1883627	500.000	564.46
	68 1,1,2,2-Tetrachloroethane	83	8.360	8.360	(0.896)	428711	500.000	486.65
	69 1,4-Dichloro-2-butene	53	8.415	8.415	(0.902)	131026	500.000	527.33
	70 1,2,3-Trichloropropane	110	8.402	8.402	(0.900)	125291	500.000	490.49
	71 Bromobenzene	156	8.378	8.378	(0.898)	426362	500.000	531.10
	72 n-Propylbenzene	120	8.475	8.475	(0.908)	522820	500.000	551.40
	73 2-Chlorotoluene	126	8.561	8.561	(0.917)	451451	500.000	555.70
	74 1,3,5-Trimethylbenzene	105	8.640	8.640	(0.926)	1468211	500.000	547.69
	75 4-Chlorotoluene	126	8.664	8.664	(0.928)	451494	500.000	543.65
	76 tert-Butylbenzene	119	8.956	8.956	(0.960)	1199667	500.000	557.00
	77 1,2,4-Trimethylbenzene	105	8.999	8.999	(0.964)	1476369	500.000	545.97

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141136.D
Report Date: 17-May-2005 15:54

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
78 sec-Butylbenzene	105	9.163	9.163	(0.982)	1840688	500.000	542.23
79 4-Isopropyltoluene	119	9.303	9.303	(0.997)	1393314	500.000	628.82
80 1,3-Dichlorobenzene	146	9.272	9.272	(0.993)	772212	500.000	529.06
81 1,4-Dichlorobenzene	146	9.358	9.358	(1.003)	774492	500.000	490.92
82 n-Butylbenzene	91	9.698	9.698	(1.039)	1256950	500.000	565.50
83 1,2-Dichlorobenzene	146	9.716	9.716	(1.041)	730533	500.000	499.12
84 1,2-Dibromo-3-chloropropane	157	10.477	10.477	(1.123)	48624	500.000	484.99
85 1,2,4-Trichlorobenzene	180	11.298	11.298	(1.211)	316028	500.000	491.85
86 Hexachlorobutadiene	225	11.469	11.469	(1.229)	116252	500.000	450.10
87 Naphthalene	128	11.535	11.535	(1.236)	909392	500.000	515.80
88 1,2,3-Trichlorobenzene	180	11.779	11.779	(1.262)	284058	500.000	482.68
98 Cyclohexane	56	4.259	4.259	(0.909)	1710275	500.000	562.92
143 Methyl Acetate	43	2.836	2.836	(0.605)	1402557	1000.00	1023.5
144 Methylcyclohexane	83	5.123	5.123	(1.093)	1425646	500.000	570.12
141 1,3,5-Trichlorobenzene	180	10.690	10.690	(1.145)	379229	500.000	489.55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Date : 17-MAY-2005 12:29
Client ID:
Sample Info: 500NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux14.i
Operator: 2807
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Iodomethane
Acrolein
-Acetonitrile
Acetone+
-tert-Butyl Alcohol
Carbon Disulfide
Methyl Acetate
Methylene Chloride
Acrylonitrile+
Hexane
Vinyl acetate+
-1,2-Dichloroethene (total
2-Butanone+
Chloroform
Dibromofluoromethane+
1,1-Dichloropropene+
1,2-Dichloroethane-d4
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
1,2-Dichloropropane+
1,4-Dioxane+
-2-Chloroethyl vinyl ether
Bromodichloromethane
cis-1,3-Dichloropropene+
4-Methyl-2-pentanone
Toluene-d8
Toluene+
trans-1,3-Dichloropropene
1,1,2-Trichloroethane
-Dibromochloromethane
1,3-Dichloropropane+
2-Hexanone+
-1,2-Dibromoethane
Chlorobenzene-d5
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Xylenes (total)
-Bromoform
Xylene-o+
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane+
2-Propylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
1,2,4-Trimethylbenzene
tert-Butylbenzene
sec-Butylbenzene
4-Isopropyltoluene+
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
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Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141137.D
Report Date: 17-May-2005 15:14

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141137.D
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Inj Date : 17-MAY-2005 12:53
Operator : 2807 Inst ID: a3ux14.i
Smp Info : 250NG-IC
Misc Info : R50517A-IC,8260SUX14,1-8260.SUB,2807,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\8260SUX14.m
Meth Date : 17-May-2005 15:14 a3ux14.i Quant Type: ISTD
Cal Date : 17-MAY-2005 12:29 Cal File: 141136.D
Als bottle: 4 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV09

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

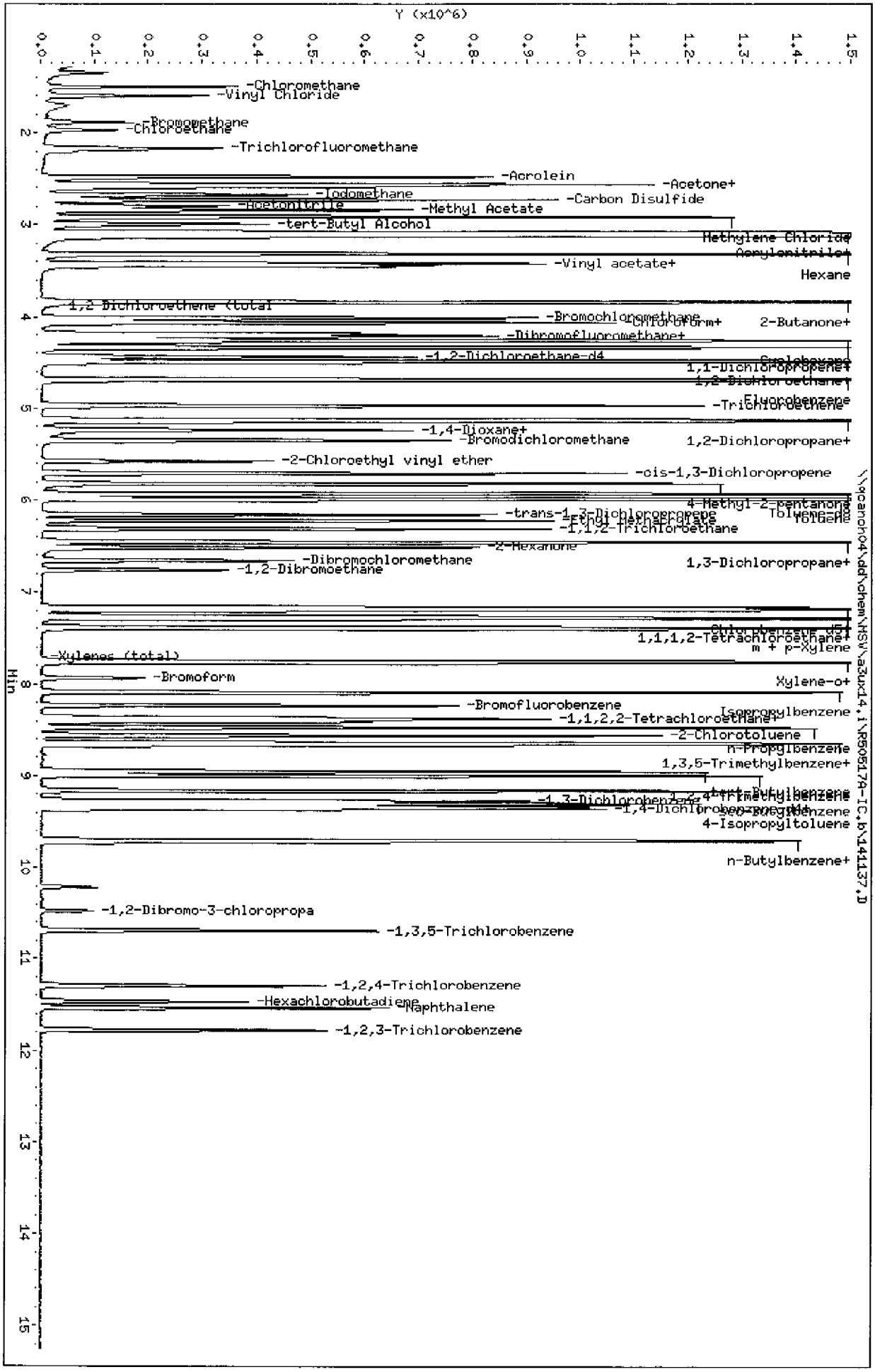
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.685	4.685	(1.000)	1604495	250.000	
* 2 Chlorobenzene-d5	117	7.167	7.167	(1.000)	732672	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.333	9.333	(1.000)	237796	250.000	
$ 4 Dibromofluoromethane	113	4.180	4.180	(0.892)	327317	250.000	243.48
$ 5 1,2-Dichloroethane-d4	65	4.436	4.436	(0.947)	357873	250.000	237.46
$ 6 Toluene-d8	98	5.926	5.926	(0.827)	1380483	250.000	260.80
$ 7 Bromofluorobenzene	95	8.232	8.232	(1.149)	282999	250.000	230.97
8 Dichlorodifluoromethane	85	1.345	1.345	(0.287)	141970	250.000	236.84
9 Chloromethane	50	1.497	1.497	(0.320)	271945	250.000	239.08
10 Vinyl Chloride	62	1.601	1.601	(0.342)	233916	250.000	254.38
11 Bromomethane	94	1.887	1.887	(0.403)	93116	250.000	280.26
12 Chloroethane	64	1.972	1.972	(0.421)	120117	250.000	282.42
13 Trichlorofluoromethane	101	2.167	2.167	(0.462)	289699	250.000	255.25
15 Acrolein	56	2.477	2.477	(0.529)	671422	2500.00	2542.5
16 Acetone	43	2.592	2.592	(0.553)	365314	500.000	480.12
17 1,1-Dichloroethene	96	2.562	2.562	(0.547)	310428	250.000	241.91
18 Freon-113	151	2.580	2.580	(0.551)	124560	250.000	236.52
19 Iodomethane	142	2.672	2.672	(0.570)	492209	250.000	249.58
20 Carbon Disulfide	76	2.726	2.726	(0.582)	1109245	250.000	243.15
21 Methylene Chloride	84	2.915	2.915	(0.622)	439105	250.000	246.68
22 Acetonitrile	41	2.793	2.793	(0.596)	416858	2500.00	2552.8
23 Acrylonitrile	53	3.085	3.085	(0.659)	1707098	2500.00	2562.4

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141137.D
Report Date: 17-May-2005 15:14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.116	3.116	(0.665)	886817	250.000	236.32
	25 trans-1,2-Dichloroethene	96	3.116	3.116	(0.665)	390033	250.000	247.91
	26 Hexane	86	3.316	3.316	(0.708)	98251	250.000	237.84
	27 Vinyl acetate	43	3.444	3.444	(0.735)	781509	250.000	237.60
	28 1,1-Dichloroethane	63	3.420	3.420	(0.730)	766136	250.000	238.52
	29 tert-Butyl Alcohol	59	2.988	2.988	(0.638)	358313	5000.00	4866.5
	30 2-Butanone	43	3.834	3.834	(0.818)	527196	500.000	497.57
M	31 1,2-Dichloroethene (total)	96				813285	500.000	
	32 cis-1,2-dichloroethene	96	3.840	3.840	(0.820)	423252	250.000	245.81
	33 2,2-Dichloropropane	77	3.840	3.840	(0.820)	306209	250.000	236.18
	34 Bromochloromethane	128	4.010	4.010	(0.856)	190709	250.000	235.25
	35 Chloroform	83	4.065	4.065	(0.868)	612408	250.000	240.52
	36 Tetrahydrofuran	42	4.046	4.046	(0.864)	127529	250.000	255.89
	37 1,1,1-Trichloroethane	97	4.211	4.211	(0.899)	425696	250.000	241.76
	38 1,1-Dichloropropene	75	4.332	4.332	(0.925)	468523	250.000	245.03
	39 Carbon Tetrachloride	117	4.338	4.338	(0.926)	356685	250.000	237.43
	40 1,2-Dichloroethane	62	4.491	4.491	(0.958)	483859	250.000	247.35
	41 Benzene	78	4.484	4.484	(0.957)	1635981	250.000	249.97
	42 Trichloroethene	130	4.971	4.971	(1.061)	365542	250.000	246.46
	43 1,2-Dichloropropane	63	5.135	5.135	(1.096)	465128	250.000	252.52
	44 1,4-Dioxane	88	5.233	5.233	(1.117)	112065	12500.0	12707
	45 Dibromomethane	93	5.233	5.233	(1.117)	190034	250.000	250.53
	46 Bromodichloromethane	83	5.348	5.348	(1.142)	411458	250.000	239.57
	47 2-Chloroethyl vinyl ether	63	5.573	5.573	(1.190)	147754	500.000	430.40
	48 cis-1,3-Dichloropropene	75	5.701	5.701	(1.217)	538156	250.000	238.19
	49 4-Methyl-2-pentanone	43	5.817	5.817	(1.241)	774458	500.000	490.30
	50 Toluene	91	5.987	5.987	(0.835)	1495900	250.000	246.10
	51 trans-1,3-Dichloropropene	75	6.151	6.151	(0.858)	391421	250.000	221.68
	52 Ethyl Methacrylate	69	6.218	6.218	(0.868)	412648	250.000	232.21
	53 1,1,2-Trichloroethane	97	6.310	6.310	(0.880)	269432	250.000	246.74
	54 1,3-Dichloropropane	76	6.456	6.456	(0.901)	482379	250.000	250.47
	55 Tetrachloroethene	164	6.449	6.449	(0.900)	214756	250.000	249.62
	56 2-Hexanone	43	6.510	6.510	(0.908)	512415	500.000	445.57
	57 Dibromochloromethane	129	6.656	6.656	(0.929)	228833	250.000	233.25
	58 1,2-Dibromoethane	107	6.760	6.760	(0.943)	233522	250.000	240.94
	59 Chlorobenzene	112	7.192	7.192	(1.003)	753451	250.000	246.82
	60 1,1,1,2-Tetrachloroethane	131	7.259	7.259	(1.013)	216611	250.000	237.73
	61 Ethylbenzene	106	7.283	7.283	(1.016)	424259	250.000	246.07
	62 m + p-Xylene	106	7.386	7.386	(1.031)	993519	500.000	494.68
M	63 Xylenes (total)	106				1441659	750.000	
	64 Xylene-o	106	7.751	7.751	(1.081)	448140	250.000	242.66
	65 Styrene	104	7.757	7.757	(1.082)	714772	250.000	229.37
	66 Bromoform	173	7.934	7.934	(1.107)	86721	250.000	210.39
	67 Isopropylbenzene	105	8.086	8.086	(1.128)	929883	250.000	232.23
	68 1,1,2,2-Tetrachloroethane	83	8.360	8.360	(0.896)	216178	250.000	255.58
	69 1,4-Dichloro-2-butene	53	8.414	8.414	(0.902)	64497	250.000	247.09
	70 1,2,3-Trichloropropane	110	8.402	8.402	(0.900)	65420	250.000	269.67
	71 Bromobenzene	156	8.378	8.378	(0.898)	204613	250.000	253.56
	72 n-Propylbenzene	120	8.475	8.475	(0.908)	254607	250.000	253.25
	73 2-Chlorotoluene	126	8.560	8.560	(0.917)	219490	250.000	253.80
	74 1,3,5-Trimethylbenzene	105	8.640	8.640	(0.926)	712192	250.000	247.95
	75 4-Chlorotoluene	126	8.658	8.658	(0.928)	217836	250.000	250.02
	76 tert-Butylbenzene	119	8.950	8.950	(0.959)	589134	250.000	249.90
	77 1,2,4-Trimethylbenzene	105	8.998	8.998	(0.964)	715725	250.000	244.90

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141137.D
Report Date: 17-May-2005 15:14

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
78 sec-Butylbenzene	105	9.163	9.163	(0.982)	886379	250.000	243.32
79 4-Isopropyltoluene	119	9.303	9.303	(0.997)	672361	250.000	241.81
80 1,3-Dichlorobenzene	146	9.272	9.272	(0.993)	371723	250.000	244.80
81 1,4-Dichlorobenzene	146	9.357	9.357	(1.003)	374841	250.000	244.09
82 n-Butylbenzene	91	9.698	9.698	(1.039)	595785	250.000	235.99
83 1,2-Dichlorobenzene	146	9.716	9.716	(1.041)	361865	250.000	248.80
84 1,2-Dibromo-3-chloropropane	157	10.477	10.477	(1.123)	25828	250.000	242.55
85 1,2,4-Trichlorobenzene	180	11.298	11.298	(1.211)	161968	250.000	247.54
86 Hexachlorobutadiene	225	11.468	11.468	(1.229)	67703	250.000	293.18
87 Naphthalene	128	11.535	11.535	(1.236)	487150	250.000	257.25
88 1,2,3-Trichlorobenzene	180	11.779	11.779	(1.262)	160520	250.000	283.90
98 Cyclohexane	56	4.259	4.259	(0.909)	836554	250.000	241.39
143 Methyl Acetate	43	2.836	2.836	(0.605)	707707	500.000	489.64
144 Methylcyclohexane	83	5.123	5.123	(1.093)	694053	250.000	243.52
141 1,3,5-Trichlorobenzene	180	10.690	10.690	(1.145)	194463	250.000	251.06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Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux14.i
Operator: 2807
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide
-Acetonitrile
-Methyl Acetate
-tert-Butyl Alcohol
Methylene Chloride
Acrylonitrile+
-Vinyl acetate+
Hexane
1,2 Dichloroethene (total
-Bromochloromethane
Chloroform+
2-Butanone+
-Dibromofluoromethane+
-1,2-Dichloroethane-d4
Cyclohexane
1,1-Dichloropropene+
1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
4-Methyl-2-pentanone
-trans-1,3-Dichloropropene
Toluene
Ethyl Methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Xylenes (total)
-Bromoform
Xylene-o+
-Bromofluorobenzene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane+
-2-Chlorotoluene
n-Propylbenzene
1,3,5-Trimethylbenzene+
tert-Butylbenzene
-1,3-Dichlorobenzene
1,2,4-Trimethylbenzene
-1,4-Dichlorobenzene-d4
sec-Butylbenzene
4-Isopropyltoluene
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
Naphthalene
-1,2,3-Trichlorobenzene
\\qcanch04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141137.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141138.D
Report Date: 17-May-2005 15:14

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141138.D
Lab Smp Id: 100NG-IC
Inj Date : 17-MAY-2005 13:17
Operator : 2807 Inst ID: a3ux14.i
Smp Info : 100NG-IC
Misc Info : R50517A-IC,8260SUX14,1-8260.SUB,2807,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\8260SUX14.m
Meth Date : 17-May-2005 15:14 a3ux14.i Quant Type: ISTD
Cal Date : 17-MAY-2005 12:53 Cal File: 141137.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV09

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
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	4.685	4.685	(1.000)	1591943	250.000	
* 2 Chlorobenzene-d5	117	7.167	7.167	(1.000)	734086	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.333	9.333	(1.000)	227321	250.000	
$ 4 Dibromofluoromethane	113	4.180	4.180	(0.892)	128679	100.000	97.321
$ 5 1,2-Dichloroethane-d4	65	4.436	4.436	(0.947)	151550	100.000	103.07
$ 6 Toluene-d8	98	5.926	5.926	(0.827)	506979	100.000	94.237
$ 7 Bromofluorobenzene	95	8.232	8.232	(1.149)	108777	100.000	90.916
8 Dichlorodifluoromethane	85	1.345	1.345	(0.287)	51208	100.000	87.638
9 Chloromethane	50	1.497	1.497	(0.320)	104216	100.000	93.708
10 Vinyl Chloride	62	1.601	1.601	(0.342)	93139	100.000	101.49
11 Bromomethane	94	1.887	1.887	(0.403)	40028	100.000	114.50
12 Chloroethane	64	1.978	1.978	(0.422)	48066	100.000	109.18
13 Trichlorofluoromethane	101	2.167	2.167	(0.462)	107943	100.000	95.190
15 Acrolein	56	2.477	2.477	(0.529)	248044	1000.00	941.34
16 Acetone	43	2.592	2.592	(0.553)	164396	200.000	220.69
17 1,1-Dichloroethene	96	2.562	2.562	(0.547)	120359	100.000	95.563
18 Freon-113	151	2.580	2.580	(0.551)	48910	100.000	95.319
19 Iodomethane	142	2.672	2.672	(0.570)	188870	100.000	96.578
20 Carbon Disulfide	76	2.726	2.726	(0.582)	418402	100.000	93.291
21 Methylene Chloride	84	2.915	2.915	(0.622)	187653	100.000	106.72
22 Acetonitrile	41	2.793	2.793	(0.596)	159741	1000.00	979.07
23 Acrylonitrile	53	3.085	3.085	(0.659)	655623	1000.00	983.70

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141138.D
Report Date: 17-May-2005 15:14

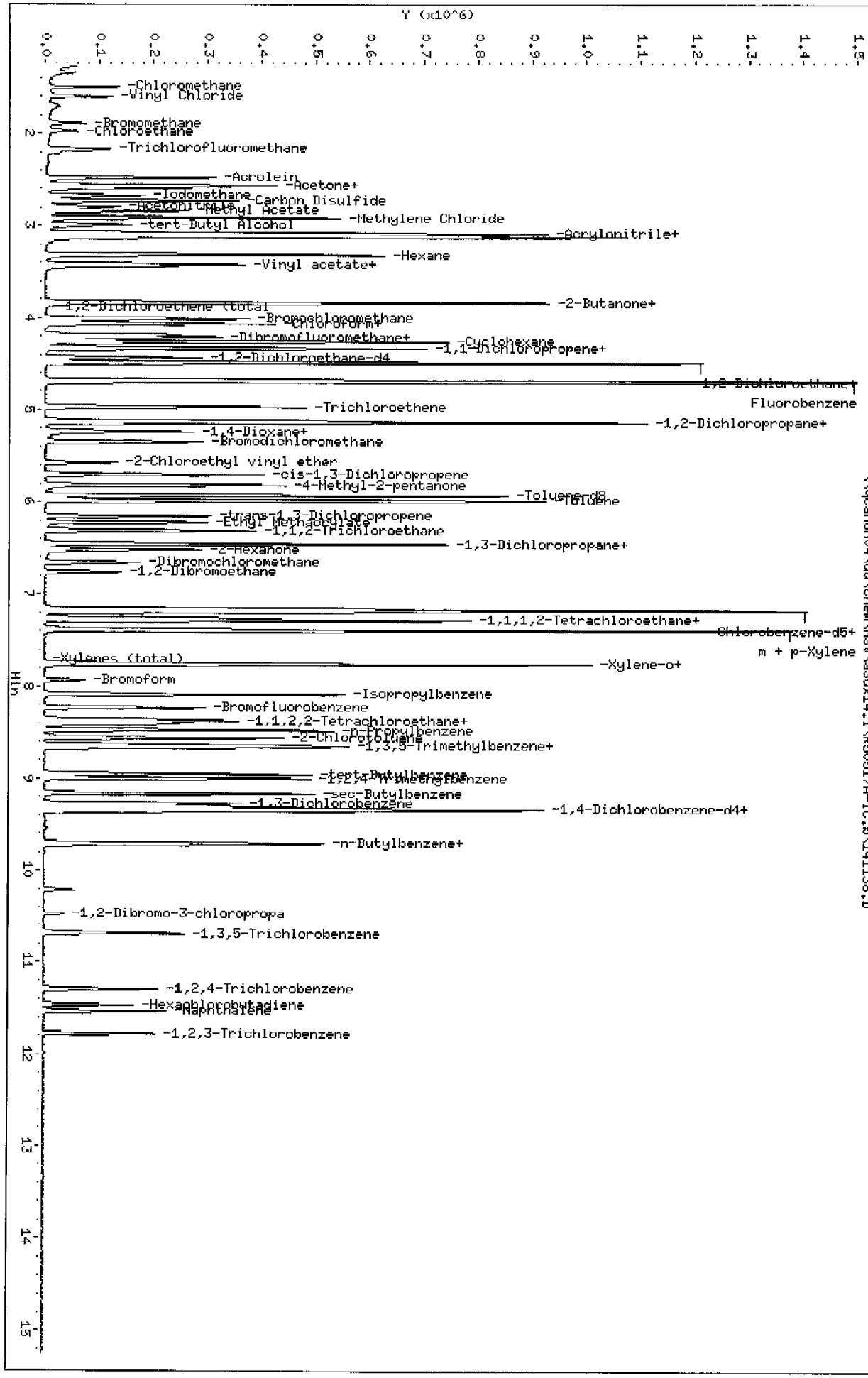
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.116	3.116	(0.665)	350903	100.000	95.999
	25 trans-1,2-Dichloroethene	96	3.116	3.116	(0.665)	154365	100.000	99.167
	26 Hexane	86	3.316	3.316	(0.708)	36710	100.000	91.043
	27 Vinyl acetate	43	3.444	3.444	(0.735)	259497	100.000	80.854
	28 1,1-Dichloroethane	63	3.420	3.420	(0.730)	298143	100.000	95.007
	29 tert-Butyl Alcohol	59	2.988	2.988	(0.638)	126648	2000.00	1749.2
	30 2-Butanone	43	3.833	3.833	(0.818)	217451	200.000	207.18
M	31 1,2-Dichloroethene (total)	96				324267	200.000	
	32 cis-1,2-dichloroethene	96	3.840	3.840	(0.820)	169902	100.000	100.01
	33 2,2-Dichloropropane	77	3.840	3.840	(0.820)	109598	100.000	86.800
	34 Bromochloromethane	128	4.010	4.010	(0.856)	81663	100.000	103.57
	35 Chloroform	83	4.065	4.065	(0.868)	244736	100.000	98.118
	36 Tetrahydrofuran	42	4.046	4.046	(0.864)	49768	100.000	99.865
	37 1,1,1-Trichloroethane	97	4.211	4.211	(0.899)	162388	100.000	93.983
	38 1,1-Dichloropropene	75	4.332	4.332	(0.925)	184318	100.000	97.804
	39 Carbon Tetrachloride	117	4.338	4.338	(0.926)	136875	100.000	93.396
	40 1,2-Dichloroethane	62	4.491	4.491	(0.958)	195416	100.000	101.04
	41 Benzene	78	4.484	4.484	(0.957)	659249	100.000	101.53
	42 Trichloroethene	130	4.971	4.971	(1.061)	142686	100.000	97.423
	43 1,2-Dichloropropane	63	5.141	5.141	(1.097)	190212	100.000	103.73
	44 1,4-Dioxane	88	5.233	5.233	(1.117)	42066	5000.00	4781.0
	45 Dibromomethane	93	5.233	5.233	(1.117)	76677	100.000	101.81
	46 Bromodichloromethane	83	5.348	5.348	(1.142)	159107	100.000	94.686
	47 2-Chloroethyl vinyl ether	63	5.573	5.573	(1.190)	46498	200.000	143.16
	48 cis-1,3-Dichloropropene	75	5.701	5.701	(1.217)	197548	100.000	89.535
	49 4-Methyl-2-pentanone	43	5.817	5.817	(1.241)	281171	200.000	180.58
	50 Toluene	91	5.987	5.987	(0.835)	603060	100.000	99.539
	51 trans-1,3-Dichloropropene	75	6.151	6.151	(0.858)	138757	100.000	81.511
	52 Ethyl Methacrylate	69	6.218	6.218	(0.868)	137408	100.000	79.050
	53 1,1,2-Trichloroethane	97	6.310	6.310	(0.880)	109831	100.000	100.83
	54 1,3-Dichloropropane	76	6.456	6.456	(0.901)	195065	100.000	101.03
	55 Tetrachloroethene	164	6.449	6.449	(0.900)	87221	100.000	101.24
	56 2-Hexanone	43	6.516	6.516	(0.909)	186934	200.000	168.34
	57 Dibromochloromethane	129	6.656	6.656	(0.929)	87410	100.000	90.956
	58 1,2-Dibromoethane	107	6.760	6.760	(0.943)	96136	100.000	100.21
	59 Chlorobenzene	112	7.192	7.192	(1.003)	296584	100.000	97.382
	60 1,1,1,2-Tetrachloroethane	131	7.259	7.259	(1.013)	84003	100.000	93.545
	61 Ethylbenzene	106	7.283	7.283	(1.016)	165946	100.000	96.570
	62 m + p-Xylene	106	7.386	7.386	(1.031)	391774	200.000	195.38
M	63 Xylenes (total)	106				565604	300.000	
	64 Xylene-o	106	7.751	7.751	(1.081)	173830	100.000	94.873
	65 Styrene	104	7.763	7.763	(1.083)	269638	100.000	88.804
	66 Bromoform	173	7.934	7.934	(1.107)	32500	100.000	83.084
	67 Isopropylbenzene	105	8.092	8.092	(1.129)	345288	100.000	88.155
	68 1,1,2,2-Tetrachloroethane	83	8.360	8.360	(0.896)	88501	100.000	108.64
	69 1,4-Dichloro-2-butene	53	8.414	8.414	(0.902)	22167	100.000	89.181
	70 1,2,3-Trichloropropane	110	8.402	8.402	(0.900)	25560	100.000	107.40
	71 Bromobenzene	156	8.378	8.378	(0.898)	81065	100.000	104.59
	72 n-Propylbenzene	120	8.475	8.475	(0.908)	95962	100.000	99.419
	73 2-Chlorotoluene	126	8.560	8.560	(0.917)	84394	100.000	101.57
	74 1,3,5-Trimethylbenzene	105	8.640	8.640	(0.926)	269751	100.000	98.512
	75 4-Chlorotoluene	126	8.658	8.658	(0.928)	86667	100.000	104.05
	76 tert-Butylbenzene	119	8.950	8.950	(0.959)	224399	100.000	99.585
	77 1,2,4-Trimethylbenzene	105	8.998	8.998	(0.964)	271398	100.000	97.808

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141138.D
Report Date: 17-May-2005 15:14

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
78 sec-Butylbenzene	105	9.163	9.163	(0.982)	335277	100.000	97.143
79 4-Isopropyltoluene	119	9.303	9.303	(0.997)	246894	100.000	93.910
80 1,3-Dichlorobenzene	146	9.272	9.272	(0.993)	143411	100.000	99.487
81 1,4-Dichlorobenzene	146	9.357	9.357	(1.003)	146521	100.000	100.60
82 n-Butylbenzene	91	9.698	9.698	(1.039)	215046	100.000	90.802
83 1,2-Dichlorobenzene	146	9.716	9.716	(1.041)	143493	100.000	103.37
84 1,2-Dibromo-3-chloropropane	157	10.471	10.471	(1.122)	9784	100.000	97.081
85 1,2,4-Trichlorobenzene	180	11.298	11.298	(1.211)	63390	100.000	101.68
86 Hexachlorobutadiene	225	11.468	11.468	(1.229)	29204	100.000	125.09
87 Naphthalene	128	11.535	11.535	(1.236)	175224	100.000	95.869
88 1,2,3-Trichlorobenzene	180	11.779	11.779	(1.262)	63405	100.000	112.23
98 Cyclohexane	56	4.259	4.259	(0.909)	329071	100.000	96.815
143 Methyl Acetate	43	2.836	2.836	(0.605)	280716	200.000	197.11
144 Methylcyclohexane	83	5.123	5.123	(1.093)	273350	100.000	97.508
141 1,3,5-Trichlorobenzene	180	10.690	10.690	(1.145)	78331	100.000	105.64

Data File: \\qcanoh04\dd\chem\HSV\a3ux14.i\R50517A-IC.b\141138.D
Date : 17-MAY-2005 13:17
Client ID:
Sample Info: 100NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux14.i
Operator: 2807
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141139.D
Report Date: 17-May-2005 15:15

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141139.D
Lab Smp Id: 50NG-IC
Inj Date : 17-MAY-2005 13:42
Operator : 2807 Inst ID: a3ux14.i
Smp Info : 50NG-IC
Misc Info : R50517A-IC,8260SUX14,1-8260.SUB,2807,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\8260SUX14.m
Meth Date : 17-May-2005 15:15 a3ux14.i Quant Type: ISTD
Cal Date : 17-MAY-2005 13:17 Cal File: 141138.D
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV09

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

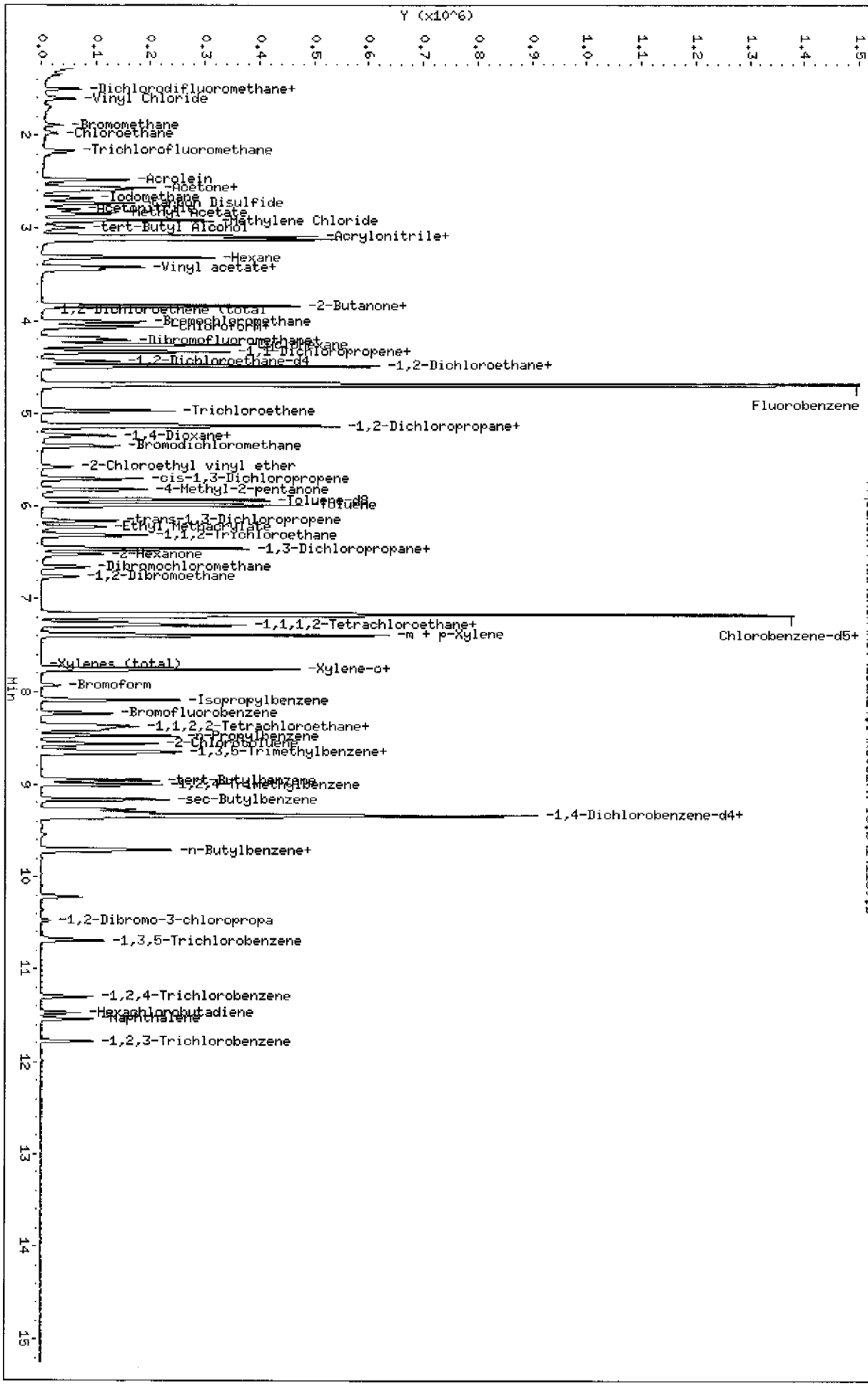
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.685	4.685	(1.000)	1595776	250.000	
* 2 Chlorobenzene-d5	117	7.167	7.167	(1.000)	730246	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.333	9.333	(1.000)	226170	250.000	
$ 4 Dibromofluoromethane	113	4.180	4.180	(0.892)	63009	50.0000	47.860
$ 5 1,2-Dichloroethane-d4	65	4.436	4.436	(0.947)	74625	50.0000	50.247
$ 6 Toluene-d8	98	5.932	5.932	(0.828)	242982	50.0000	46.066
$ 7 Bromofluorobenzene	95	8.232	8.232	(1.149)	50624	50.0000	43.522
8 Dichlorodifluoromethane	85	1.345	1.345	(0.287)	24958	50.0000	43.970
9 Chloromethane	50	1.504	1.504	(0.321)	50679	50.0000	46.186
10 Vinyl Chloride	62	1.607	1.607	(0.343)	43588	50.0000	47.207
11 Bromomethane	94	1.893	1.893	(0.404)	21057	50.0000	57.317
12 Chloroethane	64	1.978	1.978	(0.422)	24210	50.0000	53.631
13 Trichlorofluoromethane	101	2.167	2.167	(0.462)	49979	50.0000	44.504
15 Acrolein	56	2.477	2.477	(0.529)	131585	500.000	505.59
16 Acetone	43	2.593	2.593	(0.553)	89874	100.000	117.32
17 1,1-Dichloroethene	96	2.562	2.562	(0.547)	59583	50.0000	47.724
18 Freon-113	151	2.580	2.580	(0.551)	24016	50.0000	47.244
19 Iodomethane	142	2.672	2.672	(0.570)	96792	50.0000	49.801
20 Carbon Disulfide	76	2.726	2.726	(0.582)	204855	50.0000	46.344
21 Methylene Chloride	84	2.915	2.915	(0.622)	108786	50.0000	60.700
22 Acetonitrile	41	2.793	2.793	(0.596)	88444	500.000	543.62
23 Acrylonitrile	53	3.085	3.085	(0.659)	350369	500.000	526.58

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141139.D
Report Date: 17-May-2005 15:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.116	3.116	(0.665)	175681	50.0000	48.431
	25 trans-1,2-Dichloroethene	96	3.116	3.116	(0.665)	79137	50.0000	50.823
	26 Hexane	86	3.316	3.316	(0.708)	17655	50.0000	44.681
	27 Vinyl acetate	43	3.444	3.444	(0.735)	132943	50.0000	43.400
	28 1,1-Dichloroethane	63	3.420	3.420	(0.730)	154497	50.0000	49.735
	29 tert-Butyl Alcohol	59	2.988	2.988	(0.638)	63179	1000.00	898.68
	30 2-Butanone	43	3.840	3.840	(0.820)	108390	100.000	102.11
M	31 1,2-Dichloroethene (total)	96				165051	100.000	
	32 cis-1,2-dichloroethene	96	3.840	3.840	(0.820)	85914	50.0000	50.450
	33 2,2-Dichloropropane	77	3.840	3.840	(0.820)	49197	50.0000	40.196
	34 Bromochloromethane	128	4.010	4.010	(0.856)	40082	50.0000	50.263
	35 Chloroform	83	4.065	4.065	(0.868)	125348	50.0000	50.370
	36 Tetrahydrofuran	42	4.053	4.053	(0.865)	26606	50.0000	53.277
	37 1,1,1-Trichloroethane	97	4.211	4.211	(0.899)	78821	50.0000	46.203
	38 1,1-Dichloropropene	75	4.332	4.332	(0.925)	89336	50.0000	47.551
	39 Carbon Tetrachloride	117	4.339	4.339	(0.926)	66881	50.0000	46.291
	40 1,2-Dichloroethane	62	4.491	4.491	(0.958)	99293	50.0000	51.084
	41 Benzene	78	4.485	4.485	(0.957)	338401	50.0000	51.793
	42 Trichloroethene	130	4.971	4.971	(1.061)	72155	50.0000	49.466
	43 1,2-Dichloropropane	63	5.142	5.142	(1.097)	93912	50.0000	50.620
	44 1,4-Dioxane	88	5.239	5.239	(1.118)	18578	2500.00	2129.7
	45 Dibromomethane	93	5.233	5.233	(1.117)	38838	50.0000	51.213
	46 Bromodichloromethane	83	5.348	5.348	(1.142)	78626	50.0000	47.307
	47 2-Chloroethyl vinyl ether	63	5.573	5.573	(1.190)	21412	100.000	70.795
	48 cis-1,3-Dichloropropene	75	5.701	5.701	(1.217)	92762	50.0000	43.068
	49 4-Methyl-2-pentanone	43	5.817	5.817	(1.241)	127189	100.000	83.516
	50 Toluene	91	5.987	5.987	(0.835)	303166	50.0000	50.361
	51 trans-1,3-Dichloropropene	75	6.151	6.151	(0.858)	66284	50.0000	41.039
	52 Ethyl Methacrylate	69	6.224	6.224	(0.868)	58361	50.0000	35.617
	53 1,1,2-Trichloroethane	97	6.310	6.310	(0.880)	55710	50.0000	51.305
	54 1,3-Dichloropropane	76	6.456	6.456	(0.901)	100378	50.0000	52.126
	55 Tetrachloroethene	164	6.450	6.450	(0.900)	41770	50.0000	48.587
	56 2-Hexanone	43	6.516	6.516	(0.909)	80206	100.000	75.601
	57 Dibromochloromethane	129	6.656	6.656	(0.929)	43640	50.0000	46.705
	58 1,2-Dibromoethane	107	6.766	6.766	(0.944)	46389	50.0000	48.584
	59 Chlorobenzene	112	7.192	7.192	(1.003)	152848	50.0000	50.783
	60 1,1,1,2-Tetrachloroethane	131	7.259	7.259	(1.013)	41708	50.0000	47.456
	61 Ethylbenzene	106	7.289	7.289	(1.017)	79025	50.0000	46.629
	62 m + p-Xylene	106	7.386	7.386	(1.031)	187719	100.000	94.657
M	63 Xylenes (total)	106				272062	150.000	
	64 Xylene-o	106	7.751	7.751	(1.081)	84343	50.0000	46.876
	65 Styrene	104	7.764	7.764	(1.083)	123056	50.0000	41.914
	66 Bromoform	173	7.934	7.934	(1.107)	14620	50.0000	39.230
	67 Isopropylbenzene	105	8.092	8.092	(1.129)	161643	50.0000	42.752
	68 1,1,2,2-Tetrachloroethane	83	8.360	8.360	(0.896)	43303	50.0000	52.299
	69 1,4-Dichloro-2-butene	53	8.408	8.408	(0.901)	11196	50.0000	46.531
	70 1,2,3-Trichloropropane	110	8.408	8.408	(0.901)	12782	50.0000	53.001
	71 Bromobenzene	156	8.378	8.378	(0.898)	40283	50.0000	51.645
	72 n-Propylbenzene	120	8.475	8.475	(0.908)	42548	50.0000	44.370
	73 2-Chlorotoluene	126	8.561	8.561	(0.917)	40973	50.0000	49.368
	74 1,3,5-Trimethylbenzene	105	8.640	8.640	(0.926)	121743	50.0000	44.853
	75 4-Chlorotoluene	126	8.664	8.664	(0.928)	40517	50.0000	48.402
	76 tert-Butylbenzene	119	8.956	8.956	(0.960)	101774	50.0000	45.443
	77 1,2,4-Trimethylbenzene	105	8.999	8.999	(0.964)	119139	50.0000	43.392

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141139.D
Report Date: 17-May-2005 15:15

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
78 sec-Butylbenzene	105	9.163	9.163	(0.982)	154981	50.0000	45.457
79 4-Isopropyltoluene	119	9.303	9.303	(0.997)	105801	50.0000	41.073
80 1,3-Dichlorobenzene	146	9.272	9.272	(0.993)	70651	50.0000	49.325
81 1,4-Dichlorobenzene	146	9.357	9.357	(1.003)	74359	50.0000	51.238
82 n Butylbenzene	91	9.704	9.704	(1.040)	91517	50.0000	39.753
83 1,2-Dichlorobenzene	146	9.716	9.716	(1.041)	69340	50.0000	49.786
84 1,2-Dibromo-3-chloropropane	157	10.477	10.477	(1.123)	4158	50.0000	41.772
85 1,2,4-Trichlorobenzene	180	11.298	11.298	(1.211)	30068	50.0000	48.273
86 Hexachlorobutadiene	225	11.468	11.468	(1.229)	13693	50.0000	55.470
87 Naphthalene	128	11.535	11.535	(1.236)	76572	50.0000	42.547
88 1,2,3-Trichlorobenzene	180	11.779	11.779	(1.262)	30249	50.0000	52.220
98 Cyclohexane	56	4.259	4.259	(0.909)	157352	50.0000	46.554
143 Methyl Acetate	43	2.836	2.836	(0.605)	144726	100.000	101.75
144 Methylcyclohexane	83	5.123	5.123	(1.093)	129430	50.0000	46.347
141 1,3,5-Trichlorobenzene	180	10.690	10.690	(1.145)	37294	50.0000	49.849


Data File: \\qcanoh04\dd\chem\HSV\a3ux14.i\R50517A-IC.b\141139.D
Date : 17-MAY-2005 13:42
Client ID:
Sample Info: 50NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux14.i
Operator: 2807
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide
-Methyl Acetate
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-1,2-Dichloroethene (total
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-1,1,1,2-Tetrachloroethane+
-m + p-Xylene
Chlorobenzene-d5+
-Xylenes (total)
-Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\HSV\a3ux14.i\R50517A-IC.b\141139.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141140.D
Report Date: 17-May-2005 15:15

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141140.D
Lab Smp Id: 25NG-IC
Inj Date : 17-MAY-2005 14:05
Operator : 2807 Inst ID: a3ux14.i
Smp Info : 25NG-IC
Misc Info : R50517A-IC,8260SUX14,1-8260.SUB,2807,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\8260SUX14.m
Meth Date : 17-May-2005 15:15 a3ux14.i Quant Type: ISTD
Cal Date : 17-MAY-2005 13:42 Cal File: 141139.D
Als bottle: 7 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV09

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
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	4.685	4.685	(1.000)	1623814	250.000	
* 2 Chlorobenzene-d5	117	7.167	7.167	(1.000)	728218	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.333	9.333	(1.000)	226281	250.000	
$ 4 Dibromofluoromethane	113	4.180	4.180	(0.892)	32589	25.0000	24.536
$ 5 1,2-Dichloroethane-d4	65	4.436	4.436	(0.947)	35488	25.0000	23.459
$ 6 Toluene-d8	98	5.932	5.932	(0.828)	116692	25.0000	22.540
$ 7 Bromofluorobenzene	95	8.238	8.238	(1.149)	23975	25.0000	21.219
8 Dichlorodifluoromethane	85	1.345	1.345	(0.287)	10920	25.0000	19.373
9 Chloromethane	50	1.497	1.497	(0.320)	25461	25.0000	23.156
10 Vinyl Chloride	62	1.601	1.601	(0.342)	21180	25.0000	22.797
11 Bromomethane	94	1.887	1.887	(0.403)	9978	25.0000	25.749
12 Chloroethane	64	1.978	1.978	(0.422)	10839	25.0000	23.258
13 Trichlorofluoromethane	101	2.167	2.167	(0.462)	26228	25.0000	23.467
15 Acrolein	56	2.477	2.477	(0.529)	58270	250.000	219.53
16 Acetone	43	2.593	2.593	(0.553)	48750	50.0000	60.447
17 1,1-Dichloroethene	96	2.562	2.562	(0.547)	28707	25.0000	22.804
18 Freon-113	151	2.580	2.580	(0.551)	10345	25.0000	20.222
19 Iodomethane	142	2.672	2.672	(0.570)	47025	25.0000	23.796
20 Carbon Disulfide	76	2.726	2.726	(0.582)	98906	25.0000	22.315
21 Methylene Chloride	84	2.915	2.915	(0.622)	64532	25.0000	33.933
22 Acetonitrile	41	2.793	2.793	(0.596)	43052	250.000	255.59
23 Acrylonitrile	53	3.085	3.085	(0.659)	156399	250.000	228.57

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141140.D
Report Date: 17-May-2005 15:15

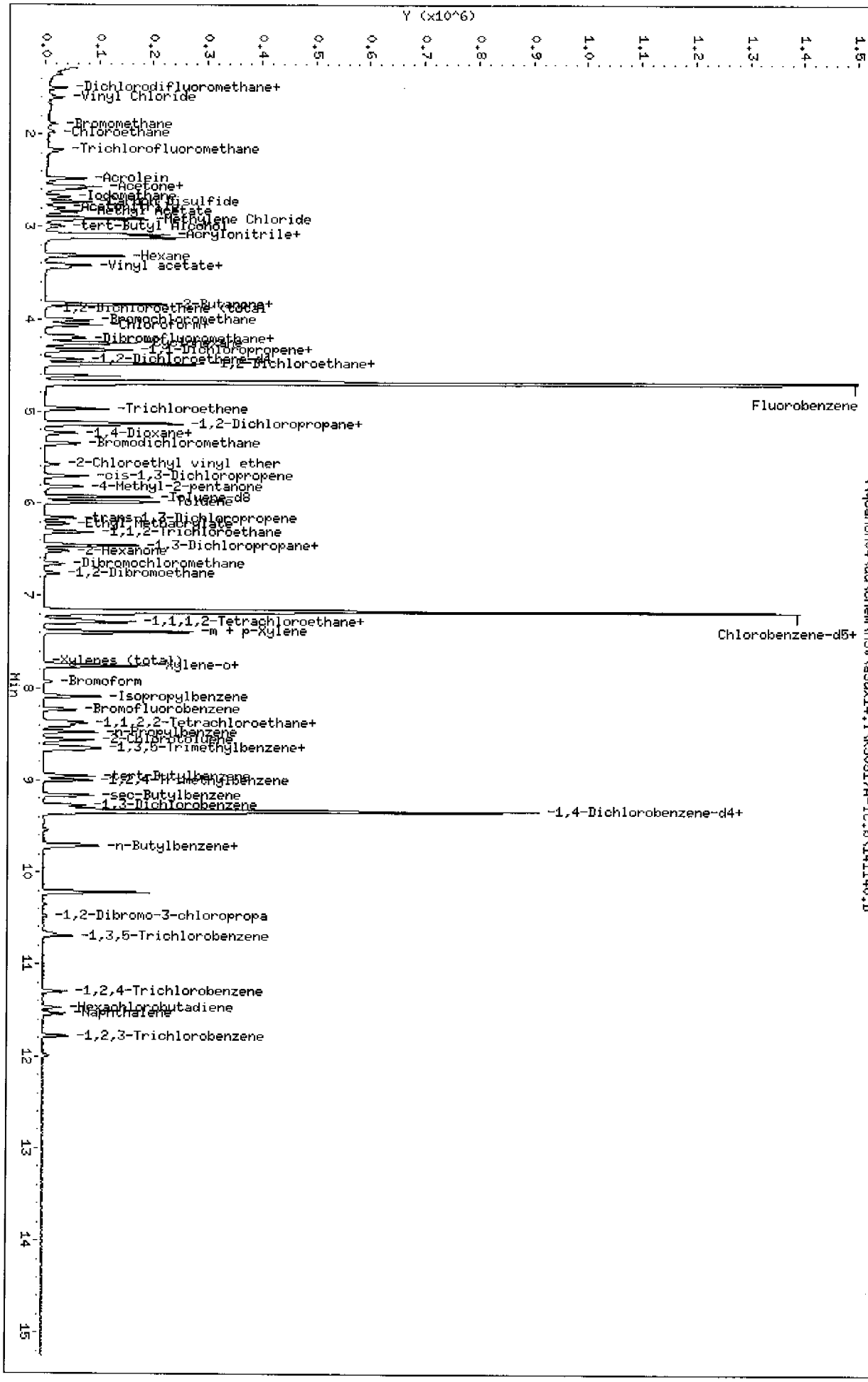
	Compounds	QUANT STG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.116	3.116	(0.665)	79368	25.0000	21.638
	25 trans-1,2-Dichloroethene	96	3.116	3.116	(0.665)	37192	25.0000	23.396
	26 Hexane	86	3.316	3.316	(0.708)	8305	25.0000	21.104
	27 Vinyl acetate	43	3.444	3.444	(0.735)	55497	25.0000	18.287
	28 1,1-Dichloroethane	63	3.420	3.420	(0.730)	71853	25.0000	22.755
	29 tert-Butyl Alcohol	59	2.994	2.994	(0.639)	29467	500.000	420.43
	30 2-Butanone	43	3.840	3.840	(0.820)	48774	50.0000	44.964
M	31 1,2-Dichloroethene (total)	96				76785	50.0000	
	32 cis-1,2-dichloroethene	96	3.840	3.840	(0.820)	39593	25.0000	22.807
	33 2,2-Dichloropropane	77	3.840	3.840	(0.820)	23765	25.0000	19.861
	34 Bromochloromethane	128	4.010	4.010	(0.856)	19430	25.0000	23.919
	35 Chloroform	83	4.065	4.065	(0.868)	58370	25.0000	23.016
	36 Tetrahydrofuran	42	4.047	4.047	(0.864)	13056	25.0000	25.360
	37 1,1,1-Trichloroethane	97	4.211	4.211	(0.899)	36395	25.0000	21.289
	38 1,1-Dichloropropene	75	4.326	4.326	(0.923)	42971	25.0000	22.700
	39 Carbon Tetrachloride	117	4.339	4.339	(0.926)	30238	25.0000	20.877
	40 1,2-Dichloroethane	62	4.491	4.491	(0.958)	47156	25.0000	23.739
	41 Benzene	78	4.485	4.485	(0.957)	159302	25.0000	23.790
	42 Trichloroethene	130	4.971	4.971	(1.061)	35587	25.0000	24.027
	43 1,2-Dichloropropane	63	5.142	5.142	(1.097)	43582	25.0000	23.028
	44 1,4-Dioxane	88	5.245	5.245	(1.119)	9232	1250.00	1071.8
	45 Dibromomethane	93	5.233	5.233	(1.117)	17354	25.0000	22.380
	46 Bromodichloromethane	83	5.348	5.348	(1.142)	36587	25.0000	21.869
	47 2-Chloroethyl vinyl ether	63	5.573	5.573	(1.190)	9299	50.0000	32.089
	48 cis-1,3-Dichloropropene	75	5.701	5.701	(1.217)	39019	25.0000	18.311
	49 4-Methyl-2-pentanone	43	5.817	5.817	(1.241)	51311	50.0000	34.239
	50 Toluene	91	5.987	5.987	(0.835)	141171	25.0000	23.482
	51 trans-1,3-Dichloropropene	75	6.158	6.158	(0.859)	26723	25.0000	17.208
	52 Ethyl Methacrylate	69	6.218	6.218	(0.868)	21583	25.0000	14.015
	53 1,1,2-Trichloroethane	97	6.310	6.310	(0.880)	26202	25.0000	24.072
	54 1,3-Dichloropropane	76	6.456	6.456	(0.901)	46141	25.0000	23.825
	55 Tetrachloroethene	164	6.450	6.450	(0.900)	19518	25.0000	22.896
	56 2-Hexanone	43	6.516	6.516	(0.909)	33579	50.0000	33.367
	57 Dibromochloromethane	129	6.656	6.656	(0.929)	17909	25.0000	19.477
	58 1,2-Dibromoethane	107	6.766	6.766	(0.944)	20648	25.0000	21.809
	59 Chlorobenzene	112	7.192	7.192	(1.003)	72867	25.0000	24.201
	60 1,1,1,2-Tetrachloroethane	131	7.259	7.259	(1.013)	18333	25.0000	21.133
	61 Ethylbenzene	106	7.283	7.283	(1.016)	35772	25.0000	21.456
	62 m + p-Xylene	106	7.386	7.386	(1.031)	79675	50.0000	40.723
M	63 Xylenes (total)	106				113873	75.0000	
	64 Xylene-o	106	7.751	7.751	(1.081)	34198	25.0000	19.300
	65 Styrene	104	7.764	7.764	(1.083)	51020	25.0000	18.009
	66 Bromoform	173	7.934	7.934	(1.107)	6231	25.0000	17.521
	67 Isopropylbenzene	105	8.092	8.092	(1.129)	68931	25.0000	18.828
	68 1,1,2,2-Tetrachloroethane	83	8.360	8.360	(0.896)	20166	25.0000	24.122
	69 1,4-Dichloro-2-butene	53	8.415	8.415	(0.902)	5761	25.0000	24.268
	70 1,2,3-Trichloropropane	110	8.402	8.402	(0.900)	6075	25.0000	24.879
	71 Bromobenzene	156	8.378	8.378	(0.898)	18219	25.0000	23.194
	72 n-Propylbenzene	120	8.475	8.475	(0.908)	17995	25.0000	19.188
	73 2-Chlorotoluene	126	8.561	8.561	(0.917)	17175	25.0000	20.736
	74 1,3,5-Trimethylbenzene	105	8.640	8.640	(0.926)	49848	25.0000	18.742
	75 4-Chlorotoluene	126	8.664	8.664	(0.928)	19040	25.0000	22.880
	76 tert-Butylbenzene	119	8.950	8.950	(0.959)	43561	25.0000	19.802
	77 1,2,4-Trimethylbenzene	105	8.999	8.999	(0.964)	51347	25.0000	19.200

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141140.D
Report Date: 17-May-2005 15:15

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
78 sec-Butylbenzene	105	9.163	9.163	(0.982)	65490	25.0000	19.555
79 4-Isopropyltoluene	119	9.303	9.303	(0.997)	43425	25.0000	17.474
80 1,3-Dichlorobenzene	146	9.272	9.272	(0.993)	31636	25.0000	22.135
81 1,4-Dichlorobenzene	146	9.357	9.357	(1.003)	34432	25.0000	23.597
82 n-Butylbenzene	91	9.704	9.704	(1.040)	40883	25.0000	18.509
83 1,2-Dichlorobenzene	146	9.716	9.716	(1.041)	32658	25.0000	23.457
84 1,2-Dibromo-3-chloropropane	157	10.477	10.477	(1.123)	2259	25.0000	23.455
85 1,2,4-Trichlorobenzene	180	11.298	11.298	(1.211)	14964	25.0000	24.179
86 Hexachlorobutadiene	225	11.468	11.468	(1.229)	5710	25.0000	22.625
87 Naphthalene	128	11.535	11.535	(1.236)	33075	25.0000	18.933
88 1,2,3-Trichlorobenzene	180	11.779	11.779	(1.262)	14994	25.0000	25.644
98 Cyclohexane	56	4.259	4.259	(0.909)	70843	25.0000	20.885
143 Methyl Acetate	43	2.836	2.836	(0.605)	67356	50.0000	46.374
144 Methylcyclohexane	83	5.123	5.123	(1.093)	57418	25.0000	20.505
141 1,3,5-Trichlorobenzene	180	10.690	10.690	(1.145)	18012	25.0000	24.078

Data File: \\qcanoh04\dd\chem\HSV\a3ux14.i\R50517A-IC.b\141140.D
Date : 17-MAY-2005 14:05
Client ID:
Sample Info: 25NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux14.i
Operator: 2807
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141141.D
Report Date: 17-May-2005 15:15

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141141.D
Lab Smp Id: 10NG-IC
Inj Date : 17-MAY-2005 14:29
Operator : 2807 Inst ID: a3ux14.i
Smp Info : 10NG-IC
Misc Info : R50517A-IC,8260SUX14,1-8260.SUB,2807,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\8260SUX14.m
Meth Date : 17-May-2005 15:15 a3ux14.i Quant Type: ISTD
Cal Date : 17-MAY-2005 14:05 Cal File: 141140.D
Als bottle: 8 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV09

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
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	4.685	4.685	(1.000)	1566062	250.000	
* 2 Chlorobenzene-d5	117	7.168	7.168	(1.000)	696089	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.333	9.333	(1.000)	216346	250.000	
$ 4 Dibromofluoromethane	113	4.180	4.180	(0.892)	12414	10.0000	9.721
$ 5 1,2-Dichloroethane-d4	65	4.436	4.436	(0.947)	14821	10.0000	10.264
$ 6 Toluene-d8	98	5.933	5.933	(0.828)	45530	10.0000	9.354
$ 7 Bromofluorobenzene	95	8.232	8.232	(1.149)	9406	10.0000	8.934
8 Dichlorodifluoromethane	85	1.352	1.352	(0.289)	3220	10.0000	6.154
9 Chloromethane	50	1.504	1.504	(0.321)	9519	10.0000	9.088
10 Vinyl Chloride	62	1.601	1.601	(0.342)	8659	10.0000	9.808
11 Bromomethane	94	1.893	1.893	(0.404)	3155	10.0000	8.392
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	2.167	2.167	(0.463)	10210	10.0000	9.570
15 Acrolein	56	2.477	2.477	(0.529)	22882	100.000	91.241
16 Acetone	43	2.593	2.593	(0.553)	24947	20.0000	30.994
17 1,1-Dichloroethene	96	2.562	2.562	(0.547)	11184	10.0000	9.349
18 Freon-113	151	2.581	2.581	(0.551)	3044	10.0000	6.373
19 Iodomethane	142	2.672	2.672	(0.570)	18292	10.0000	9.675
20 Carbon Disulfide	76	2.733	2.733	(0.583)	38185	10.0000	9.096
21 Methylene Chloride	84	2.915	2.915	(0.622)	38842	10.0000	19.987
22 Acetonitrile	41	2.800	2.800	(0.598)	17734	100.000	108.76
23 Acrylonitrile	53	3.085	3.085	(0.659)	60179	100.000	92.513

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141141.D
Report Date: 17-May-2005 15:15

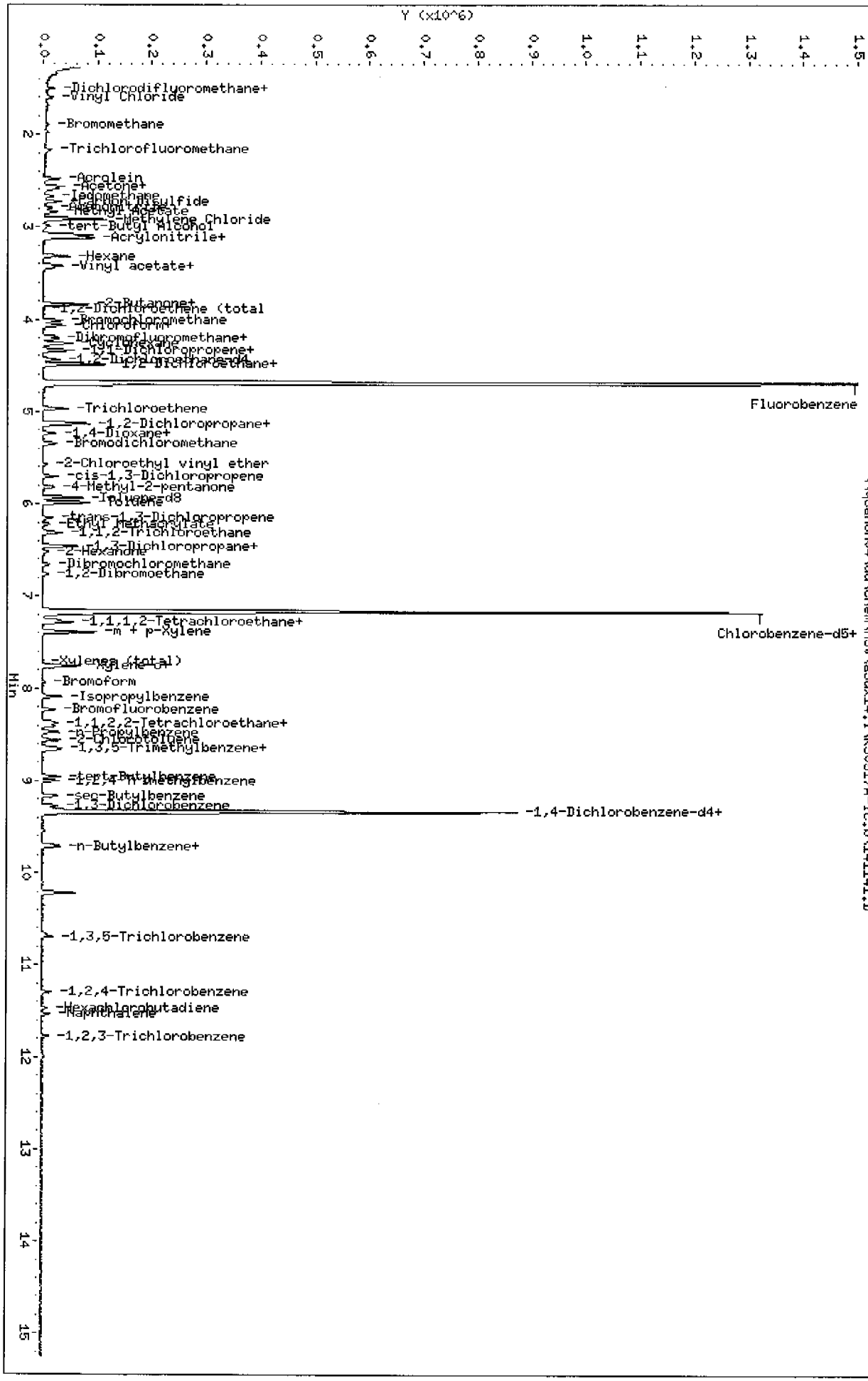
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.116	3.116	(0.665)	29504	10.0000	8.531
	25 trans-1,2-Dichloroethene	96	3.122	3.122	(0.666)	14156	10.0000	9.333
	26 Hexane	86	3.317	3.317	(0.708)	2901	10.0000	7.848
	27 Vinyl acetate	43	3.444	3.444	(0.735)	21259	10.0000	7.604
	28 1,1-Dichloroethane	63	3.420	3.420	(0.730)	28821	10.0000	9.608
	29 tert-Butyl Alcohol	59	2.994	2.994	(0.639)	10378	200.000	157.72
	30 2-Butanone	43	3.834	3.834	(0.818)	19147	20.0000	18.615
M	31 1,2-Dichloroethene (total)	96				29538	20.0000	
	32 cis-1,2-dichloroethene	96	3.840	3.840	(0.820)	15382	10.0000	9.324
	33 2,2-Dichloropropane	77	3.840	3.840	(0.820)	8357	10.0000	7.498
	34 Bromochloromethane	128	4.010	4.010	(0.856)	7404	10.0000	9.519
	35 Chloroform	83	4.065	4.065	(0.868)	23876	10.0000	9.893
	36 Tetrahydrofuran	42	4.053	4.053	(0.865)	5855	10.0000	11.764
	37 1,1,1-Trichloroethane	97	4.217	4.217	(0.900)	13126	10.0000	8.163
	38 1,1-Dichloropropene	75	4.333	4.333	(0.925)	14189	10.0000	7.893
	39 Carbon Tetrachloride	117	4.339	4.339	(0.926)	10257	10.0000	7.550
	40 1,2-Dichloroethane	62	4.491	4.491	(0.958)	18893	10.0000	9.945
	41 Benzene	78	4.485	4.485	(0.957)	64513	10.0000	10.071
	42 Trichloroethene	130	4.965	4.965	(1.060)	13310	10.0000	9.379
	43 1,2-Dichloropropane	63	5.142	5.142	(1.097)	18191	10.0000	10.099
	44 1,4-Dioxane	88	5.245	5.245	(1.119)	2741	500.000	337.98
	45 Dibromomethane	93	5.233	5.233	(1.117)	7179	10.0000	9.770
	46 Bromodichloromethane	83	5.349	5.349	(1.142)	15241	10.0000	9.647
	47 2-Chloroethyl vinyl ether	63	5.574	5.574	(1.190)	2912	20.0000	11.081
	48 cis-1,3-Dichloropropene	75	5.701	5.701	(1.217)	13623	10.0000	6.938
	49 4-Methyl-2-pentanone	43	5.817	5.817	(1.241)	15749	20.0000	11.501
	50 Toluene	91	5.987	5.987	(0.835)	55799	10.0000	9.809
	51 trans-1,3-Dichloropropene	75	6.152	6.152	(0.858)	9034	10.0000	6.419
	52 Ethyl Methacrylate	69	6.218	6.218	(0.868)	6716	10.0000	4.923
	53 1,1,2-Trichloroethane	97	6.310	6.310	(0.880)	10573	10.0000	10.225
	54 1,3-Dichloropropane	76	6.456	6.456	(0.901)	17229	10.0000	9.380
	55 Tetrachloroethene	164	6.450	6.450	(0.900)	7053	10.0000	8.779
	56 2-Hexanone	43	6.517	6.517	(0.909)	9444	20.0000	10.394
	57 Dibromochloromethane	129	6.657	6.657	(0.929)	6455	10.0000	7.625
	58 1,2-Dibromoethane	107	6.766	6.766	(0.944)	8045	10.0000	9.083
	59 Chlorobenzene	112	7.192	7.192	(1.003)	29206	10.0000	10.202
	60 1,1,1,2-Tetrachloroethane	131	7.265	7.265	(1.014)	6920	10.0000	8.566
	61 Ethylbenzene	106	7.283	7.283	(1.016)	12842	10.0000	8.253
	62 m + p-Xylene	106	7.387	7.387	(1.031)	30735	20.0000	16.958
M	63 Xylenes (total)	106				43611	30.0000	
	64 Xylene-o	106	7.752	7.752	(1.081)	12876	10.0000	7.902
	65 Styrene	104	7.764	7.764	(1.083)	17797	10.0000	6.893
	66 Bromoform	173	7.934	7.934	(1.107)	2133	10.0000	6.604
	67 Isopropylbenzene	105	8.092	8.092	(1.129)	24224	10.0000	7.219
	68 1,1,2,2-Tetrachloroethane	83	8.360	8.360	(0.896)	8424	10.0000	10.601
	69 1,4-Dichloro-2-butene	53	8.415	8.415	(0.902)	1300	10.0000	5.756
	70 1,2,3-Trichloropropane	110	8.409	8.409	(0.901)	1970	10.0000	8.445
	71 Bromobenzene	156	8.378	8.378	(0.898)	6451	10.0000	8.694
	72 n-Propylbenzene	120	8.469	8.469	(0.907)	5601	10.0000	6.498
	73 2-Chlorotoluene	126	8.561	8.561	(0.917)	6234	10.0000	8.103
	74 1,3,5-Trimethylbenzene	105	8.640	8.640	(0.926)	16528	10.0000	6.783
	75 4-Chlorotoluene	126	8.664	8.664	(0.928)	6556	10.0000	8.358
	76 tert-Butylbenzene	119	8.950	8.950	(0.959)	15223	10.0000	7.498
	77 1,2,4-Trimethylbenzene	105	8.999	8.999	(0.964)	15967	10.0000	6.496

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141141.D
Report Date: 17-May-2005 15:15

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
78 sec-Butylbenzene	105	9.163	9.163	(0.982)	20738	10.0000	6.720
79 4-Isopropyltoluene	119	9.303	9.303	(0.997)	14482	10.0000	6.417
80 1,3-Dichlorobenzene	146	9.266	9.266	(0.993)	12998	10.0000	9.697
81 1,4-Dichlorobenzene	146	9.358	9.358	(1.003)	14264	10.0000	10.321
82 n-Butylbenzene	91	9.704	9.704	(1.040)	13927	10.0000	6.893
83 1,2-Dichlorobenzene	146	9.723	9.723	(1.042)	12406	10.0000	9.417
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.298	11.298	(1.211)	5967	10.0000	10.140
86 Hexachlorobutadiene	225	11.469	11.469	(1.229)	2575	10.0000	10.843
87 Naphthalene	128	11.536	11.536	(1.236)	11853	10.0000	7.396
88 1,2,3-Trichlorobenzene	180	11.779	11.779	(1.262)	5193	10.0000	9.250
98 Cyclohexane	56	4.260	4.260	(0.909)	21827	10.0000	6.860
143 Methyl Acetate	43	2.836	2.836	(0.605)	25472	20.0000	18.406
144 Methylcyclohexane	83	5.123	5.123	(1.093)	17948	10.0000	6.851
141 1,3,5-Trichlorobenzene	180	10.690	10.690	(1.145)	7247	10.0000	10.195

Data File: \\qcanch04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141141.D
Date : 17-MAY-2005 14:29
Client ID:
Sample Info: 10NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux14.i
Operator: 2807
Column diameter: 0.18



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Report Date: 17-May-2005 15:15

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141142.D
Lab Smp Id: 5NG-IC
Inj Date : 17-MAY-2005 14:53
Operator : 2807 Inst ID: a3ux14.i
Smp Info : 5NG-IC
Misc Info : R50517A-IC,8260SUX14,1-8260.SUB,2807,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\8260SUX14.m
Meth Date : 17-May-2005 15:15 a3ux14.i Quant Type: ISTD
Cal Date : 17-MAY-2005 14:29 Cal File: 141141.D
Als bottle: 9 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV09

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
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	4.685	4.685	(1.000)	1515644	250.000	
* 2 Chlorobenzene-d5	117	7.167	7.167	(1.000)	657094	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.333	9.333	(1.000)	202124	250.000	
$ 4 Dibromofluoromethane	113	4.180	4.180	(0.892)	6579	5.00000	5.345
$ 5 1,2-Dichloroethane-d4	65	4.436	4.436	(0.947)	9442	5.00000	6.731
$ 6 Toluene-d8	98	5.926	5.926	(0.827)	23043	5.00000	5.062
$ 7 Bromofluorobenzene	95	8.232	8.232	(1.149)	5150	5.00000	5.262
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	1.497	1.497	(0.320)	4530	5.00000	4.528
10 Vinyl Chloride	62	1.601	1.601	(0.342)	3737	5.00000	4.386
11 Bromomethane	94	1.893	1.893	(0.404)	1388	5.00000	3.920
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	2.173	2.173	(0.464)	4624	5.00000	4.506
15 Acrolein	56	2.483	2.483	(0.530)	11811	50.0000	49.279
16 Acetone	43	2.599	2.599	(0.555)	19366	10.0000	23.050
17 1,1-Dichloroethene	96	2.562	2.562	(0.547)	4688	5.00000	4.087
18 Freon-113	151	2.580	2.580	(0.551)	1854	5.00000	4.010
19 Iodomethane	142	2.678	2.678	(0.572)	9518	5.00000	5.226
20 Carbon Disulfide	76	2.726	2.726	(0.582)	19972	5.00000	4.980
21 Methylene Chloride	84	2.915	2.915	(0.622)	33070	5.00000	15.388
22 Acetonitrile	41	2.799	2.799	(0.598)	9542	50.0000	59.719
23 Acrylonitrile	53	3.085	3.085	(0.659)	33215	50.0000	53.330

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141142.D
Report Date: 17-May-2005 15:15

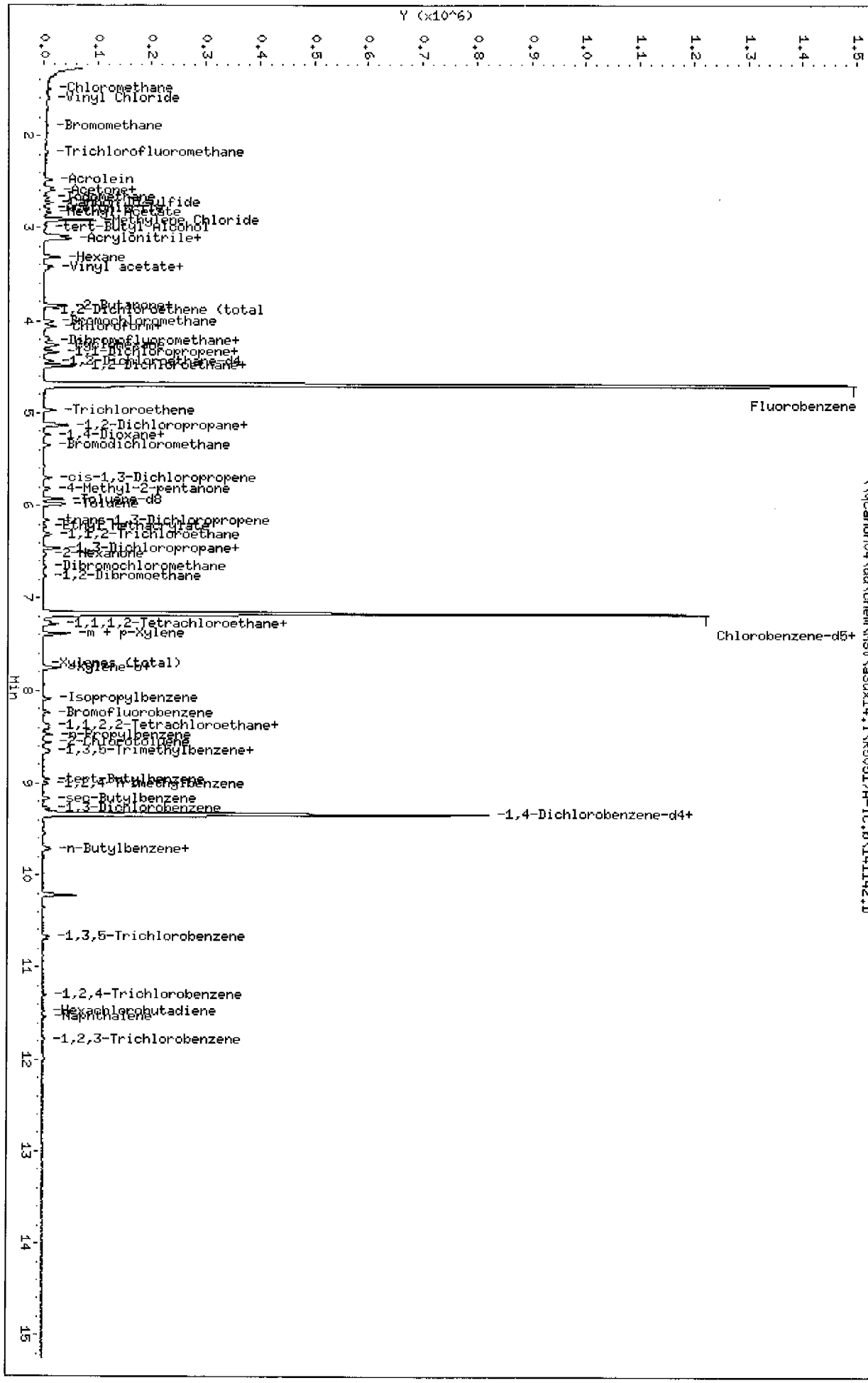
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.116	3.116	(0.665)	13819	5.00000	4.217
	25 trans-1,2-Dichloroethene	96	3.116	3.116	(0.665)	7639	5.00000	5.254
	26 Hexane	86	3.316	3.316	(0.708)	1135	5.00000	3.273
	27 Vinyl acetate	43	3.444	3.444	(0.735)	10466	5.00000	4.005
	28 1,1-Dichloroethane	63	3.420	3.420	(0.730)	14628	5.00000	5.067
	29 tert-Butyl Alcohol	59	2.988	2.988	(0.638)	4793	100.000	77.607
	30 2-Butanone	43	3.840	3.840	(0.820)	10959	10.0000	11.119
M	31 1,2-Dichloroethene (total)	96				15717	10.0000	
	32 cis-1,2-dichloroethene	96	3.840	3.840	(0.820)	8078	5.00000	5.109
	33 2,2 Dichloropropane	77	3.840	3.840	(0.820)	4110	5.00000	3.810
	34 Bromochloromethane	128	4.010	4.010	(0.856)	3656	5.00000	4.890
	35 Chloroform	83	4.065	4.065	(0.868)	11970	5.00000	5.132
	36 Tetrahydrofuran	42	4.046	4.046	(0.864)	3706	5.00000	7.505
	37 1,1,1-Trichloroethane	97	4.211	4.211	(0.899)	6569	5.00000	4.335
	38 1,1-Dichloropropene	75	4.332	4.332	(0.925)	7264	5.00000	4.305
	39 Carbon Tetrachloride	117	4.338	4.338	(0.926)	5183	5.00000	4.085
	40 1,2-Dichloroethane	62	4.491	4.491	(0.958)	8525	5.00000	4.640
	41 Benzene	78	4.484	4.484	(0.957)	32105	5.00000	5.173
	42 Trichloroethene	130	4.971	4.971	(1.061)	6786	5.00000	4.985
	43 1,2-Dichloropropane	63	5.135	5.135	(1.096)	9127	5.00000	5.228
	44 1,4-Dioxane	88	5.239	5.239	(1.118)	1697	250.000	226.71
	45 Dibromomethane	93	5.233	5.233	(1.117)	3533	5.00000	4.984
	46 Bromodichloromethane	83	5.348	5.348	(1.142)	6765	5.00000	4.447
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	5.701	5.701	(1.217)	7277	5.00000	3.829
	49 4-Methyl-2-pentanone	43	5.817	5.817	(1.241)	7818	10.0000	6.280
	50 Toluene	91	5.987	5.987	(0.835)	29186	5.00000	5.450
	51 trans-1,3-Dichloropropene	75	6.151	6.151	(0.858)	4529	5.00000	3.593
	52 Ethyl Methacrylate	69	6.218	6.218	(0.868)	2191	5.00000	1.834
	53 1,1,2-Trichloroethane	97	6.310	6.310	(0.880)	4567	5.00000	4.664
	54 1,3-Dichloropropane	76	6.456	6.456	(0.901)	8324	5.00000	4.844
	55 Tetrachloroethene	164	6.449	6.449	(0.900)	3886	5.00000	5.215
	56 2-Hexanone	43	6.516	6.516	(0.909)	4759	10.0000	5.957
	57 Dibromochloromethane	129	6.656	6.656	(0.929)	3418	5.00000	4.427
	58 1,2-Dibromoethane	107	6.766	6.766	(0.944)	3408	5.00000	4.130
	59 Chlorobenzene	112	7.192	7.192	(1.003)	14534	5.00000	5.363
	60 1,1,1,2-Tetrachloroethane	131	7.265	7.265	(1.014)	3341	5.00000	4.473
	61 Ethylbenzene	106	7.283	7.283	(1.016)	6582	5.00000	4.596
	62 m + p-Xylene	106	7.386	7.386	(1.031)	14265	10.0000	8.523
M	63 Xylenes (total)	106				19924	15.0000	
	64 Xylene-o	106	7.751	7.751	(1.081)	5659	5.00000	3.793
	65 Styrene	104	7.764	7.764	(1.083)	8298	5.00000	3.563
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	8.086	8.086	(1.128)	10733	5.00000	3.388
	68 1,1,2,2-Tetrachloroethane	83	8.360	8.360	(0.896)	3719	5.00000	4.967
	69 1,4-Dichloro-2-butene	53	8.421	8.421	(0.902)	772	5.00000	3.658
	70 1,2,3-Trichloropropane	110	8.408	8.408	(0.901)	1219	5.00000	5.720
	71 Bromobenzene	156	8.378	8.378	(0.898)	3461	5.00000	5.088
	72 n-Propylbenzene	120	8.475	8.475	(0.908)	2790	5.00000	3.465
	73 2-Chlorotoluene	126	8.567	8.567	(0.918)	3121	5.00000	4.463
	74 1,3,5-Trimethylbenzene	105	8.640	8.640	(0.926)	7690	5.00000	3.378
	75 4-Chlorotoluene	126	8.664	8.664	(0.928)	3165	5.00000	4.423
	76 tert-Butylbenzene	119	8.956	8.956	(0.960)	6751	5.00000	3.691
	77 1,2,4-Trimethylbenzene	105	8.999	8.999	(0.964)	8013	5.00000	3.489

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141142.D
Report Date: 17-May-2005 15:15

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
78 sec-Butylbenzene	105	9.163	9.163	(0.982)	9522	5.00000	3.303
79 4-Isopropyltoluene	119	9.303	9.303	(0.997)	5251	5.00000	2.625
80 1,3-Dichlorobenzene	146	9.266	9.266	(0.993)	5943	5.00000	4.766
81 1,4-Dichlorobenzene	146	9.357	9.357	(1.003)	8194	5.00000	6.317
82 n-Butylbenzene	91	9.698	9.698	(1.039)	6040	5.00000	3.200
83 1,2-Dichlorobenzene	146	9.722	9.722	(1.042)	7000	5.00000	5.735
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.298	11.298	(1.211)	2546	5.00000	4.622
86 Hexachlorobutadiene	225	11.468	11.468	(1.229)	915	5.00000	4.075
87 Naphthalene	128	11.535	11.535	(1.236)	5390	5.00000	3.600
88 1,2,3-Trichlorobenzene	180	11.779	11.779	(1.262)	1830	5.00000	3.527
98 Cyclohexane	56	4.259	4.259	(0.909)	14735	5.00000	5.010
143 Methyl Acetate	43	2.836	2.836	(0.605)	13465	10.0000	10.169
144 Methylcyclohexane	83	5.123	5.123	(1.093)	9669	5.00000	3.993
141 1,3,5-Trichlorobenzene	180	10.690	10.690	(1.145)	3007	5.00000	4.515

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R505170-IC.b\141142.D
Date : 17-MAY-2005 14:53
Client ID:
Sample Info: 5NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux14.i
Operator: 2807
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141143.D
Report Date: 17-May-2005 16:13

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141143.D
Lab Smp Id: ICV
Inj Date : 17-MAY-2005 15:18
Operator : 2807 Inst ID: a3ux14.i
Smp Info : ICV
Misc Info : R50517A-IC,8260SUX14,1-8260.SUB,2807,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\8260SUX14.m
Meth Date : 17-May-2005 15:59 macenczaks Quant Type: ISTD
Cal Date : 17-MAY-2005 12:53 Cal File: 141137.D
Als bottle: 10 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV09

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Fluorobenzene	96	4.685	4.686	(1.000)	1577635	250.000	
* 2 Chlorobenzene-d5	117	7.167	7.167	(1.000)	733660	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.333	9.333	(1.000)	219998	250.000	
$ 4 Dibromofluoromethane	113	4.180	4.181	(0.892)	334024	258.464	51.693
$ 5 1,2-Dichloroethane-d4	65	4.436	4.436	(0.947)	360692	236.781	47.356
$ 6 Toluene-d8	98	5.932	5.927	(0.828)	1381688	271.410	54.282
$ 7 Bromofluorobenzene	95	8.232	8.231	(1.149)	267511	243.214	48.643
8 Dichlorodifluoromethane	85	1.345	1.346	(0.287)	132514	251.408	50.282
9 Chloromethane	50	1.498	1.498	(0.320)	265767	258.254	51.651
10 Vinyl Chloride	62	1.601	1.601	(0.342)	220873	249.027	49.805
11 Bromomethane	94	1.887	1.887	(0.403)	101943	285.382	57.076
12 Chloroethane	64	1.978	1.972	(0.422)	120486	269.235	53.847
13 Trichlorofluoromethane	101	2.167	2.166	(0.463)	263233	249.518	49.904
15 Acrolein	56	2.477	2.477	(0.529)	858185	3446.12	689.22
16 Acetone	43	2.593	2.593	(0.553)	114394	139.548	27.910
17 1,1-Dichloroethene	96	2.562	2.563	(0.547)	317575	272.200	54.440
18 Freon-113	151	2.580	2.581	(0.551)	132873	276.136	55.227
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.726	2.727	(0.582)	1115640	267.387	53.477
21 Methylene Chloride	84	2.915	2.915	(0.622)	461287	257.857	51.571
22 Acetonitrile	41	2.793	2.794	(0.596)	418497	2456.59	491.32
23 Acrylonitrile	53	3.085	3.086	(0.659)	1729218	2645.32	529.06

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141143.D
Report Date: 17-May-2005 16:13

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	24 Methyl tert-butyl ether	73	3.116	3.116	(0.665)	927804	277.454	55.491
	25 trans-1,2-Dichloroethene	96	3.116	3.116	(0.665)	391662	257.162	51.432
	26 Hexane	86	3.317	3.317	(0.708)	105948	293.524	58.705
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.420	3.420	(0.730)	785874	261.086	52.217
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	3.834	3.834	(0.818)	182558	175.488	35.098
M	31 1,2-Dichloroethene (total)	96				817028	514.899	102.98
	32 cis-1,2-dichloroethene	96	3.840	3.840	(0.820)	425366	257.737	51.547
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.065	4.065	(0.868)	617546	253.546	50.709
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.211	4.211	(0.899)	406853	262.296	52.459
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.339	4.339	(0.926)	350902	271.929	54.386
	40 1,2-Dichloroethane	62	4.491	4.491	(0.958)	492620	259.951	51.990
	41 Benzene	78	4.485	4.485	(0.957)	1669596	257.344	51.469
	42 Trichloroethene	130	4.971	4.972	(1.061)	364004	256.983	51.397
	43 1,2-Dichloropropane	63	5.136	5.136	(1.096)	482099	263.805	52.761
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.348	5.349	(1.142)	407899	261.207	52.241
	47 2-Chloroethyl vinyl ether	63	5.574	5.574	(1.190)	62749	241.174	48.235
	48 cis-1,3-Dichloropropene	75	5.701	5.702	(1.217)	533700	269.820	53.964
	49 4-Methyl-2-pentanone	43	5.817	5.817	(1.241)	334304	225.175	45.035
	50 Toluene	91	5.987	5.988	(0.835)	1512386	250.129	50.026
	51 trans-1,3-Dichloropropene	75	6.151	6.152	(0.858)	391379	229.609	45.922
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.310	6.310	(0.880)	278028	256.447	51.289
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.450	6.450	(0.900)	204210	244.130	48.826
	56 2-Hexanone	43	6.517	6.511	(0.909)	180415	168.949	33.790
	57 Dibromochloromethane	129	6.656	6.657	(0.929)	226997	267.168	53.434
	58 1,2-Dibromoethane	107	6.760	6.760	(0.943)	242573	269.140	53.828
	59 Chlorobenzene	112	7.192	7.192	(1.003)	757195	247.987	49.597
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.283	7.283	(1.016)	422260	266.758	53.352
	62 m + p-Xylene	106	7.386	7.387	(1.031)	973759	530.894	106.18
M	63 Xylenes (total)	106				1406089	798.499	159.70
	64 Xylene-o	106	7.751	7.752	(1.081)	432330	267.604	53.521
	65 Styrene	104	7.764	7.758	(1.083)	674575	223.043	44.609
	66 Bromoform	173	7.934	7.934	(1.107)	88761	225.954	45.191
	67 Isopropylbenzene	105	8.086	8.086	(1.128)	946428	267.599	53.520
	68 1,1,2,2-Tetrachloroethane	83	8.360	8.359	(0.896)	227164	278.967	55.793
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					
	77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141143.D
Report Date: 17-May-2005 16:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.272	9.273	(0.993)	324355	240.411	48.082
81 1,4-Dichlorobenzene	146	9.358	9.358	(1.003)	342909	235.143	47.029
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	9.716	9.717	(1.041)	315633	233.297	46.659
84 1,2-Dibromo-3-chloropropane	157	10.477	10.477	(1.123)	25451	274.633	54.927
85 1,2,4-Trichlorobenzene	180	11.298	11.299	(1.211)	134225	225.996	45.199
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	11.542	11.536	(1.237)	1302	0.79891	0.1598
88 1,2,3-Trichlorobenzene	180	11.779	11.779	(1.262)	188	0.34560	0.06912
98 Cyclohexane	56	4.260	4.260	(0.909)	807079	263.567	52.713
143 Methyl Acetate	43	2.836	2.836	(0.605)	336694	243.778	48.756
144 Methylcyclohexane	83	5.123	5.124	(1.093)	666606	264.495	52.899
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141143.D
Report Date: 17-May-2005 16:13

STL North Canton

RECOVERY REPORT

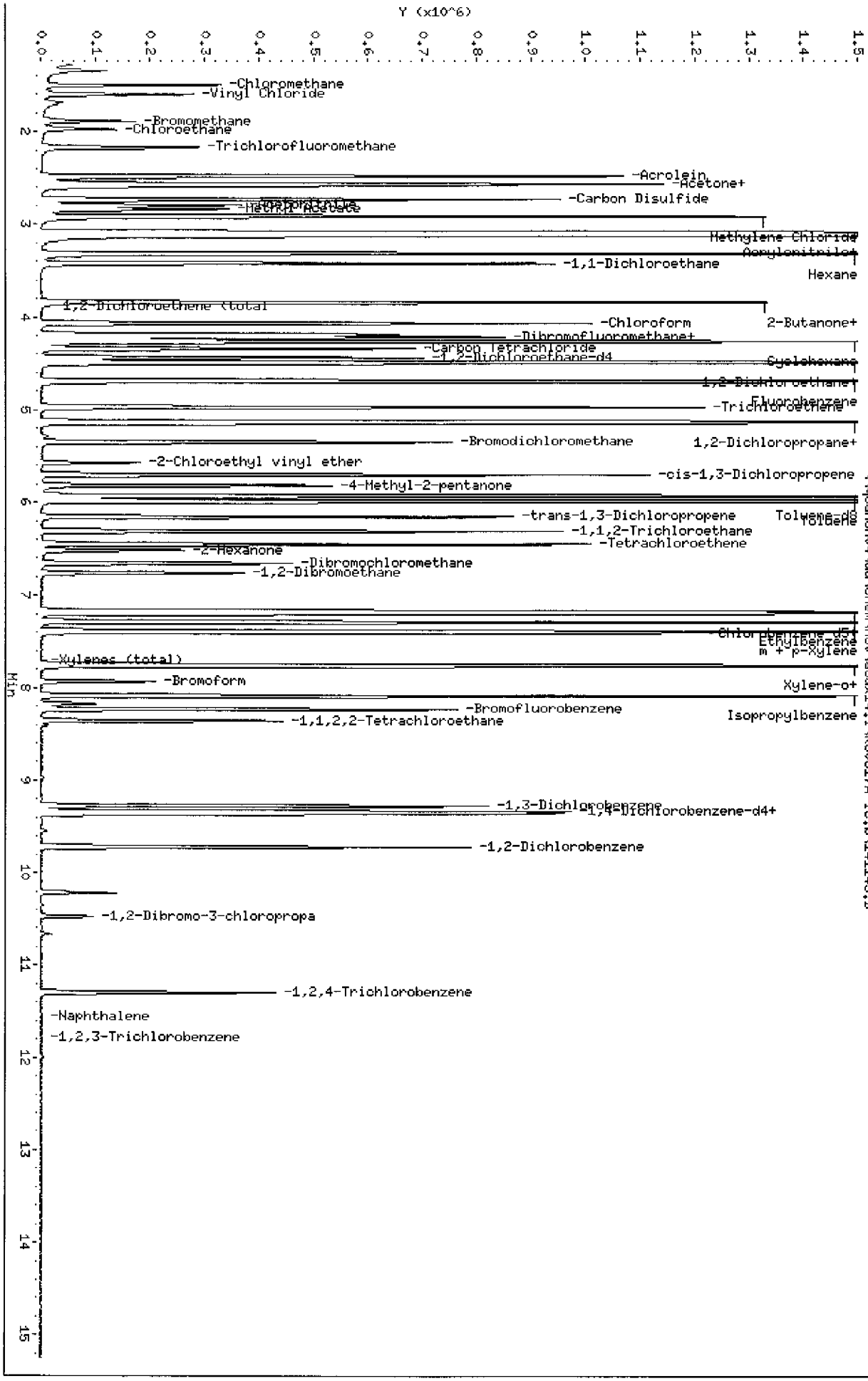
Client Name:
Client SDG: SDGa00468
Sample Matrix: SOLID
Fraction: VOA
Lab Smp Id: ICV
Level: LOW
Operator: 2807
Data Type: MS DATA
SampleType: METHSPIKE
SpikeList File: plexus-ck.spk
Quant Type: ISTD
Sublist File: 1-8260.SUB
Method File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\8260SUX14.m
Misc Info: R50517A-IC,8260SUX14,1-8260.SUB,2807,3

	SPIKE COMPOUND	CONC ADDED UG/KG	CONC RECOVERED UG/KG	% RECOVERED	LIMITS
	17 1,1-Dichloroethene	50.000	54.440	108.88	50-150
	42 Trichloroethene	50.000	51.397	102.79	50-150
	59 Chlorobenzene	50.000	49.597	99.19	50-150
	50 Toluene	50.000	50.026	100.05	50-150
	41 Benzene	50.000	51.469	102.94	50-150
	16 Acetone	50.000	27.910	55.82	50-150
	20 Carbon Disulfide	50.000	53.477	106.95	50-150
	9 Chloromethane	50.000	51.651	103.30	50-150
	11 Bromomethane	50.000	57.076	114.15	50-150
	10 Vinyl Chloride	50.000	49.805	99.61	50-150
	12 Chloroethane	50.000	53.847	107.69	50-150
	21 Methylene Chloride	50.000	51.571	103.14	50-150
	28 1,1-Dichloroethane	50.000	52.217	104.43	50-150
M	31 1,2-Dichloroethene	100.00	102.98	102.98	50-150
	35 Chloroform	50.000	50.709	101.42	50-150
	40 1,2-Dichloroethane	50.000	51.990	103.98	50-150
	30 2-Butanone	50.000	35.098	70.20	50-150
	37 1,1,1-Trichloroeth	50.000	52.459	104.92	50-150
	39 Carbon Tetrachlori	50.000	54.386	108.77	50-150
	46 Bromodichlorometha	50.000	52.241	104.48	50-150
	43 1,2-Dichloropropan	50.000	52.761	105.52	50-150
	48 cis-1,3-Dichloropr	50.000	53.964	107.93	50-150
	57 Dibromochlorometha	50.000	53.434	106.87	50-150
	53 1,1,2-Trichloroeth	50.000	51.289	102.58	50-150
	51 trans-1,3-Dichloro	50.000	45.922	91.84	50-150
	66 Bromoform	50.000	45.191	90.38	50-150
	49 4-Methyl-2-pentano	50.000	45.035	90.07	50-150
	56 2-Hexanone	50.000	33.790	67.58	50-150
	55 Tetrachloroethene	50.000	48.826	97.65	50-150
	68 1,1,2,2-Tetrachlor	50.000	55.793	111.59	50-150
	61 Ethylbenzene	50.000	53.352	106.70	50-150
	65 Styrene	50.000	44.609	89.22	50-150
M	63 Xylenes (total)	150.00	159.70	106.47	50-150
	32 cis-1,2-dichloroet	50.000	51.547	103.09	50-150
	25 trans-1,2-Dichloro	50.000	51.432	102.86	50-150
	8 Dichlorodifluorome	50.000	50.282	100.56	50-150
	13 Trichlorofluoromet	50.000	49.904	99.81	50-150
	18 Freon-113	50.000	55.227	110.45	50-150
	24 Methyl tert-butyl	50.000	55.491	110.98	50-150
	58 1,2-Dibromoethane	50.000	53.828	107.66	50-150

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141143.D
Report Date: 17-May-2005 16:13

SPIKE COMPOUND	CONC ADDED UG/KG	CONC RECOVERED UG/KG	% RECOVERED	LIMITS
67 Isopropylbenzene	50.000	53.520	107.04	50-150
80 1,3-Dichlorobenzen	50.000	48.082	96.16	50-150
81 1,4-Dichlorobenzen	50.000	47.029	94.06	50-150
83 1,2-Dichlorobenzen	50.000	46.659	93.32	50-150
84 1,2-Dibromo-3-chlo	50.000	54.927	109.85	50-150
85 1,2,4-Trichloroben	50.000	45.199	90.40	50-150
98 Cyclohexane	50.000	52.713	105.43	50-150
143 Methyl Acetate	50.000	48.756	97.51	50-150
144 Methylcyclohexane	50.000	52.899	105.80	50-150

SURROGATE COMPOUND	CONC ADDED UG/KG	CONC RECOVERED UG/KG	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	50.000	51.693	103.39	59-138
$ 5 1,2-Dichloroethane	50.000	47.356	94.71	61-130
$ 6 Toluene-d8	50.000	54.282	108.56	60-143
$ 7 Bromofluorobenzene	50.000	48.643	97.29	47-158


Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141143.D
Date : 17-MAY-2005 15:18
Client ID:
Sample Info: ICV
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux14.i
Operator: 2807
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide
Methylene Chloride
Acrylonitrile+
-1,1-Dichloroethane
Hexane
1,2-Dichloroethene (total
-Chloroform
2-Butanone+
-Dibromofluoromethane+
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
Cyclohexane
1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
Toluene-d8
-trans-1,3-Dichloropropene
Toluene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene
m + p-Xylene
-Xylenes (total)
-Bromoform
Xylene-o+
-Bromofluorobenzene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141143.D

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\8260SUX14.m
Start Cal Date: 17-MAY-2005 12:05
End Cal Date : 23-MAY-2005 13:36
Last Cal Level: 3
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.00000		
17-MAY-2005 14:53	1-8260	\\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141142.D
Cal Level: 2 , Cal Amount: 10.00000		
17-MAY-2005 14:29	1-8260	\\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141141.D
Cal Level: 3 , Cal Amount: 25.00000		
23-MAY-2005 13:36	3-IX	\\qcanoh04\dd\chem\MSV\a3ux14.i\R50523A-IC.b\141308.D
17-MAY-2005 14:05	1-8260	\\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141140.D
Cal Level: 4 , Cal Amount: 50.00000		
23-MAY-2005 13:12	3-IX	\\qcanoh04\dd\chem\MSV\a3ux14.i\R50523A-IC.b\141307.D
17-MAY-2005 13:42	1-8260	\\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141139.D
Cal Level: 5 , Cal Amount: 100.00000		
23-MAY-2005 12:48	3-IX	\\qcanoh04\dd\chem\MSV\a3ux14.i\R50523A-IC.b\141306.D
17-MAY-2005 13:17	1-8260	\\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141138.D
Cal Level: 6 , Cal Amount: 250.00000		
23-MAY-2005 12:23	3-IX	\\qcanoh04\dd\chem\MSV\a3ux14.i\R50523A-IC.b\141305.D
17-MAY-2005 12:53	1-8260	\\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141137.D

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| Cal Level: 7 , Cal Amount: 500.00000                                                  |
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|23-MAY-2005 11:59 |3-IX                |                                                  |
|\\qcanoh04\dd\chem\MSV\a3ux14.i\R50523A-IC.b\141304.D                                    |
|17-MAY-2005 12:29 |1-8260              |                                                  |
|\\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141136.D                                    |
+------------------+------------------+------------------------------------------------+

+------------------+------------------+------------------------------------------------+
| Cal Level: 8 , Cal Amount: 1000.00000                                                 |
+=========================================================================================+
|23-MAY-2005 11:35 |3-IX                |                                                  |
|\\qcanoh04\dd\chem\MSV\a3ux14.i\R50523A-IC.b\141303.D                                    |
|17-MAY-2005 12:05 |1-8260              |                                                  |
|\\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\141135.D                                    |
+------------------+------------------+------------------------------------------------+


Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 6
+------------------+------------------+------------------------------------------------+
|09-JUN-2005 13:38 |1-8260              |                                                  |
|\\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141846.D                                       |
|09-JUN-2005 14:02 |3-IX                |                                                  |
|\\QCANOH04\DD\chem\MSV\a3ux14.i\R50609A.b\141847.D                                       |
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Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141846.D
Report Date: 09-Jun-2005 14:30

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux14.i Injection Date: 09-JUN-2005 13:38
Lab File ID: 141846.D Init. Cal. Date(s): 17-MAY-2005 23-MAY-2005
Analysis Type: SOIL Init. Cal. Times: 12:05 13:36
Lab Sample ID: 250NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\8260SUX14.m

COMPOUND	RRF / AMOUNT	RF250	CCAL RRF250	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 4 Dibromofluoromethane	0.20479	0.21151	0.21151	0.010	-3.28270	50.00000	Averaged	
$ 5 1,2-Dichloroethane-d4	0.24139	0.22215	0.22215	0.010	7.97041	50.00000	Averaged	
$ 6 Toluene-d8	1.73472	1.69821	1.69821	0.010	2.10478	50.00000	Averaged	
$ 7 Bromofluorobenzene	0.37480	0.36888	0.36888	0.010	1.57851	50.00000	Averaged	
8 Dichlorodifluoromethane	0.08353	0.06805	0.06805	0.010	18.53162	50.00000	Averaged	
9 Chloromethane	0.16308	0.13092	0.13092	0.100	19.71599	50.00000	Averaged	
10 Vinyl Chloride	0.14055	0.11791	0.11791	0.010	16.10678	20.00000	Averaged	
11 Bromomethane	0.05661	0.05677	0.05677	0.010	-0.28080	50.00000	Averaged	
12 Chloroethane	0.07092	0.06803	0.06803	0.010	4.07206	50.00000	Averaged	
13 Trichlorofluoromethane	0.16718	0.16421	0.16421	0.010	1.77224	50.00000	Averaged	
15 Acrolein	0.03946	0.03338	0.03338	0.010	15.41438	50.00000	Averaged	
16 Acetone	500	243	0.06036	0.010	51.35393	0.000e+000	Wt Linear	
17 1,1-Dichloroethene	0.18488	0.17726	0.17726	0.010	4.12477	20.00000	Averaged	
18 Freon-113	0.07625	0.07173	0.07173	0.010	5.92761	50.00000	Averaged	
19 Iodomethane	0.30210	0.27245	0.27245	0.010	9.81389	50.00000	Averaged	
20 Carbon Disulfide	0.66118	0.59097	0.59097	0.010	10.61771	50.00000	Averaged	
21 Methylene Chloride	250	215	0.24670	0.010	13.85293	0.000e+000	Wt Linear	
22 Acetonitrile	0.02700	0.02528	0.02528	0.010	6.35819	50.00000	Averaged	
23 Acrylonitrile	0.10359	0.10086	0.10086	0.010	2.63401	50.00000	Averaged	
24 Methyl tert-butyl ether	0.52991	0.48924	0.48924	0.010	7.67391	50.00000	Averaged	
25 trans-1,2-Dichloroethene	0.24135	0.22499	0.22499	0.010	6.77604	50.00000	Averaged	
26 Hexane	0.05720	0.05626	0.05626	0.010	1.64724	20.00000	Averaged	
27 Vinyl acetate	250	201	0.40224	0.010	19.76325	0.000e+000	Wt Linear	
28 1,1-Dichloroethane	0.47698	0.41862	0.41862	0.100	12.23575	50.00000	Averaged	
29 tert-Butyl Alcohol	0.00990	0.01322	0.01322	0.010	-33.50218	50.00000	Averaged	<-
30 2-Butanone	0.16485	0.11573	0.11573	0.010	29.79759	50.00000	Averaged	
M 31 1,2-Dichloroethene (total)	0.25144	0.23370	0.23370	0.010	7.05295	50.00000	Averaged	
32 cis-1,2-dichloroethene	0.26153	0.24242	0.24242	0.010	7.30848	50.00000	Averaged	
33 2,2-Dichloropropane	0.17791	0.18046	0.18046	0.010	-1.43091	50.00000	Averaged	
34 Bromochloromethane	0.12297	0.11768	0.11768	0.010	4.30035	50.00000	Averaged	
35 Chloroform	0.38596	0.35321	0.35321	0.010	8.48537	20.00000	Averaged	
36 Tetrahydrofuran	0.08145	0.07785	0.07785	0.010	4.42108	50.00000	Averaged	
37 1,1,1-Trichloroethane	0.24580	0.25601	0.25601	0.010	-4.15626	50.00000	Averaged	
38 1,1-Dichloropropene	0.27350	0.27397	0.27397	0.010	-0.17217	50.00000	Averaged	
39 Carbon Tetrachloride	0.20449	0.22054	0.22054	0.010	-7.85212	50.00000	Averaged	
40 1,2-Dichloroethane	0.30030	0.27289	0.27289	0.010	9.12570	50.00000	Averaged	
41 Benzene	1.02809	0.93477	0.93477	0.010	9.07701	50.00000	Averaged	
42 Trichloroethene	0.22446	0.22261	0.22261	0.010	0.82166	50.00000	Averaged	
43 1,2-Dichloropropane	0.28959	0.26287	0.26287	0.010	9.22817	20.00000	Averaged	
44 1,4-Dioxane	0.00122	0.00150	0.00150	0.010	-22.72497	50.00000	Averaged	<-
45 Dibromomethane	0.11687	0.11886	0.11886	0.010	-1.70569	50.00000	Averaged	
46 Bromodichloromethane	0.24746	0.25462	0.25462	0.010	-2.89461	50.00000	Averaged	
47 2-Chloroethyl vinyl ether	500	249	0.02061	0.010	50.18827	0.000e+000	Quadratic	

|_____|_____|_____|_____|____|_____|_____|_____|

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141846.D
Report Date: 09-Jun-2005 14:30

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux14.i Injection Date: 09-JUN-2005 13:38
Lab File ID: 141846.D Init. Cal. Date(s): 17-MAY-2005 23-MAY-2005
Analysis Type: SOIL Init. Cal. Times: 12:05 13:36
Lab Sample ID: 250NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\8260SUX14.m

COMPOUND	RRF / AMOUNT	RF250	CCAL RRF250	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
48 cis-1,3-Dichloropropene	0.31344	0.32929	0.32929	0.010	-5.05495	50.00000	Averaged
49 4-Methyl-2-pentanone	500	474	0.22780	0.010	5.11669	0.000e+000	Wt Linear
50 Toluene	2.06036	1.75803	1.75803	0.010	14.67350	20.00000	Averaged
51 trans-1,3-Dichloropropene	250	212	0.49243	0.010	15.07695	0.000e+000	Wt Linear
52 Ethyl Methacrylate	250	214	0.49790	0.010	14.57457	0.000e+000	Wt Linear
53 1,1,2-Trichloroethane	0.36943	0.33517	0.33517	0.010	9.27410	50.00000	Averaged
54 1,3-Dichloropropane	0.65126	0.57588	0.57588	0.010	11.57409	50.00000	Averaged
55 Tetrachloroethene	0.28504	0.26831	0.26831	0.010	5.86886	50.00000	Averaged
56 2-Hexanone	500	339	0.25527	0.010	32.20821	0.000e+000	Wt Linear
57 Dibromochloromethane	0.28952	0.30669	0.30669	0.010	-5.92908	50.00000	Averaged
58 1,2-Dibromoethane	0.30712	0.30312	0.30312	0.010	1.30384	50.00000	Averaged
59 Chlorobenzene	1.04046	0.92875	0.92875	0.300	10.73616	50.00000	Averaged
60 1,1,1,2-Tetrachloroethane	0.28045	0.28850	0.28850	0.010	-2.87024	50.00000	Averaged
61 Ethylbenzene	0.53940	0.52799	0.52799	0.010	2.11494	20.00000	Averaged
62 m + p-Xylene	0.62501	0.61623	0.61623	0.010	1.40529	50.00000	Averaged
M 63 Xylenes (total)	0.60018	0.59483	0.59483	0.010	0.89123	50.00000	Averaged
64 Xylene-o	0.55051	0.55203	0.55203	0.010	-0.27603	50.00000	Averaged
65 Styrene	250	216	0.88793	0.010	13.78830	0.000e+000	Wt Linear
66 Bromoform	0.11600	0.12438	0.12438	0.100	-7.22201	50.00000	Averaged
67 Isopropylbenzene	1.20517	1.15970	1.15970	0.010	3.77236	50.00000	Averaged
68 1,1,2,2-Tetrachloroethane	0.92535	0.89347	0.89347	0.300	3.44564	50.00000	Averaged
69 1,4-Dichloro-2-butene	0.26100	0.23232	0.23232	0.010	10.98590	50.00000	Averaged
70 1,2,3-Trichloropropane	0.26832	0.27019	0.27019	0.010	-0.69945	50.00000	Averaged
71 Bromobenzene	0.84325	0.85893	0.85893	0.010	-1.85885	50.00000	Averaged
72 n-Propylbenzene	0.99597	1.05594	1.05594	0.010	-6.02116	50.00000	Averaged
73 2-Chlorotoluene	0.85335	0.88399	0.88399	0.010	-3.59024	50.00000	Averaged
74 1,3,5-Trimethylbenzene	2.81588	2.82237	2.82237	0.010	-0.23055	50.00000	Averaged
75 4-Chlorotoluene	0.87235	0.90585	0.90585	0.010	-3.84014	50.00000	Averaged
76 tert-Butylbenzene	2.26235	2.31986	2.31986	0.010	-2.54179	50.00000	Averaged
77 1,2,4-Trimethylbenzene	2.84044	2.76307	2.76307	0.010	2.72404	50.00000	Averaged
78 sec-Butylbenzene	3.56580	3.45989	3.45989	0.010	2.97023	50.00000	Averaged
79 4-Isopropyltoluene	250	229	2.62085	0.010	8.38171	0.000e+000	Wt Linear
80 1,3-Dichlorobenzene	1.53316	1.42356	1.42356	0.010	7.14818	50.00000	Averaged
81 1,4-Dichlorobenzene	1.65717	1.46310	1.46310	0.010	11.71102	50.00000	Averaged
82 n-Butylbenzene	2.33478	2.29213	2.29213	0.010	1.82671	50.00000	Averaged
83 1,2-Dichlorobenzene	1.53742	1.36581	1.36581	0.010	11.16266	50.00000	Averaged
84 1,2-Dibromo-3-chloropropane	0.10531	0.10673	0.10673	0.010	-1.34424	50.00000	Averaged
85 1,2,4-Trichlorobenzene	0.67492	0.64236	0.64236	0.010	4.82445	50.00000	Averaged
86 Hexachlorobutadiene	0.27130	0.24940	0.24940	0.010	8.07388	50.00000	Averaged
87 Naphthalene	1.85197	1.85991	1.85991	0.010	-0.42905	50.00000	Averaged
88 1,2,3-Trichlorobenzene	0.61816	0.60954	0.60954	0.010	1.39439	50.00000	Averaged
98 Cyclohexane	0.48524	0.46193	0.46193	0.010	4.80473	50.00000	Averaged
143 Methyl Acetate	0.21886	0.21561	0.21561	0.010	1.48823	50.00000	Averaged

|_____|_____|_____|_____|____|_____|_____|_____|

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141846.D
Report Date: 09-Jun-2005 14:30

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux14.i Injection Date: 09-JUN-2005 13:38
Lab File ID: 141846.D Init. Cal. Date(s): 17-MAY-2005 23-MAY-2005
Analysis Type: SOIL Init. Cal. Times: 12:05 13:36
Lab Sample ID: 250NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\8260SUX14.m

COMPOUND	RRF / AMOUNT	RF250	CCAL RRF250	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
144 Methylcyclohexane	0.39938	0.42067	0.42067	0.010	-5.33019	50.00000	Averaged
141 1,3,5-Trichlorobenzene	0.81370	0.74561	0.74561	0.010	8.36805	50.00000	Averaged

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141846.D
Report Date: 09-Jun-2005 14:30

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141846.D
Lab Smp Id: 250NG-CC
Inj Date : 09-JUN-2005 13:38
Operator : 402279 Inst ID: a3ux14.i
Smp Info : 250NG-CC
Misc Info : R50609A,8260SUX14,1-8260.SUB,402279,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\8260SUX14.m
Meth Date : 09-Jun-2005 14:30 a3ux14.i Quant Type: ISTD
Cal Date : 23-MAY-2005 13:36 Cal File: 141308.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV15

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
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	4.685	4.685	(1.000)	1889841	250.000	
* 2 Chlorobenzene-d5	117	7.161	7.161	(1.000)	982032	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.333	9.333	(1.000)	292102	250.000	
$ 4 Dibromofluoromethane	113	4.180	4.180	(0.892)	399727	250.000	258.21
$ 5 1,2-Dichloroethane-d4	65	4.430	4.430	(0.945)	419833	250.000	230.07
$ 6 Toluene-d8	98	5.926	5.926	(0.828)	1667696	250.000	244.74
$ 7 Bromofluorobenzene	95	8.232	8.232	(1.149)	362255	250.000	246.05
8 Dichlorodifluoromethane	85	1.345	1.345	(0.287)	128597	250.000	203.67
9 Chloromethane	50	1.504	1.504	(0.321)	247424	250.000	200.71
10 Vinyl Chloride	62	1.601	1.601	(0.342)	222834	250.000	209.73
11 Bromomethane	94	1.887	1.887	(0.403)	107277	250.000	250.70
12 Chloroethane	64	1.978	1.978	(0.422)	128561	250.000	239.82
13 Trichlorofluoromethane	101	2.167	2.167	(0.463)	310336	250.000	245.57
15 Acrolein	56	2.477	2.477	(0.529)	630820	2500.00	2114.6
16 Acetone	43	2.593	2.593	(0.553)	228128	500.000	243.23
17 1,1-Dichloroethene	96	2.556	2.556	(0.546)	334984	250.000	239.69
18 Freon-113	151	2.574	2.574	(0.549)	135561	250.000	235.18
19 Iodomethane	142	2.672	2.672	(0.570)	514894	250.000	225.46
20 Carbon Disulfide	76	2.726	2.726	(0.582)	1116846	250.000	223.46

21 Methylene Chloride	84	2.909	2.909 (0.621)	466217	250.000	215.37
22 Acetonitrile	41	2.793	2.793 (0.596)	477737	2500.00	2341.0
23 Acrylonitrile	53	3.079	3.079 (0.657)	1906063	2500.00	2434.1

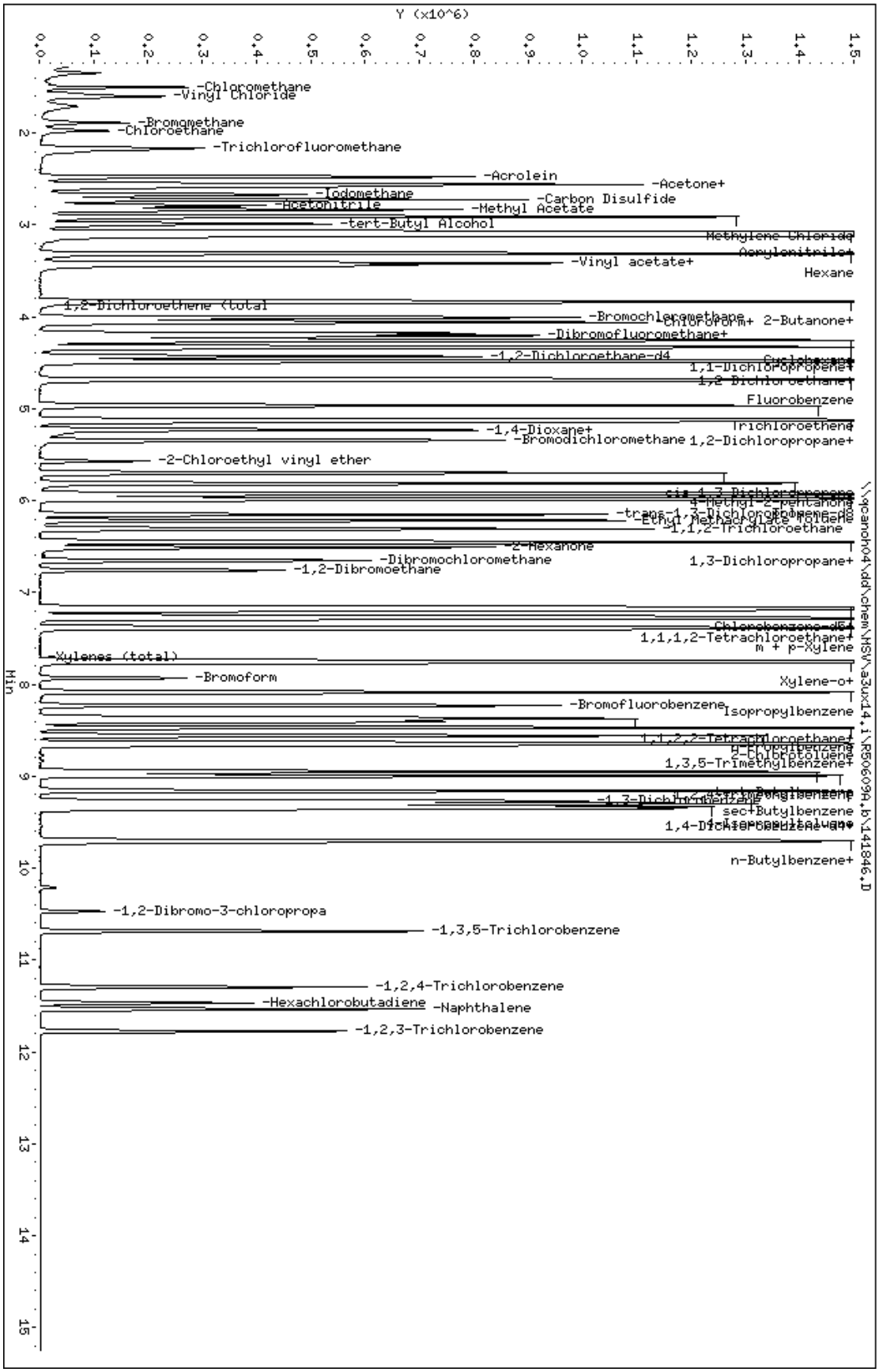
Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141846.D
Report Date: 09-Jun-2005 14:30

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.110	3.110	(0.664)	924589	250.000	230.82
	25 trans-1,2-Dichloroethene	96	3.116	3.116	(0.665)	425198	250.000	233.06
	26 Hexane	86	3.317	3.317	(0.708)	106315	250.000	245.88
	27 Vinyl acetate	43	3.444	3.444	(0.735)	760176	250.000	200.59
	28 1,1-Dichloroethane	63	3.414	3.414	(0.729)	791127	250.000	219.41
	29 tert-Butyl Alcohol	59	2.988	2.988	(0.638)	499647	5000.00	6675.1
	30 2-Butanone	43	3.834	3.834	(0.818)	437416	500.000	351.01
M	31 1,2-Dichloroethene (total)	96				883324	500.000	
	32 cis-1,2-dichloroethene	96	3.834	3.834	(0.818)	458126	250.000	231.73
	33 2,2-Dichloropropane	77	3.840	3.840	(0.820)	341037	250.000	253.58
	34 Bromochloromethane	128	4.010	4.010	(0.856)	222403	250.000	239.25
	35 Chloroform	83	4.065	4.065	(0.868)	667515	250.000	228.79
	36 Tetrahydrofuran	42	4.047	4.047	(0.864)	147129	250.000	238.95
	37 1,1,1-Trichloroethane	97	4.211	4.211	(0.899)	483827	250.000	260.39
	38 1,1-Dichloropropene	75	4.326	4.326	(0.923)	517761	250.000	250.43
	39 Carbon Tetrachloride	117	4.333	4.333	(0.925)	416790	250.000	269.63
	40 1,2-Dichloroethane	62	4.491	4.491	(0.958)	515727	250.000	227.18
	41 Benzene	78	4.485	4.485	(0.957)	1766566	250.000	227.31
	42 Trichloroethene	130	4.965	4.965	(1.060)	420704	250.000	247.94
	43 1,2-Dichloropropane	63	5.136	5.136	(1.096)	496778	250.000	226.93
	44 1,4-Dioxane	88	5.233	5.233	(1.117)	141514	12500.0	15341
	45 Dibromomethane	93	5.227	5.227	(1.116)	224629	250.000	254.26
	46 Bromodichloromethane	83	5.342	5.342	(1.140)	481193	250.000	257.24
	47 2-Chloroethyl vinyl ether	63	5.574	5.574	(1.190)	77896	500.000	249.06
	48 cis-1,3-Dichloropropene	75	5.701	5.701	(1.217)	622298	250.000	262.64
	49 4-Methyl-2-pentanone	43	5.811	5.811	(1.240)	861001	500.000	474.42
	50 Toluene	91	5.981	5.981	(0.835)	1726444	250.000	213.32
	51 trans-1,3-Dichloropropene	75	6.152	6.152	(0.859)	483584	250.000	212.31
	52 Ethyl Methacrylate	69	6.218	6.218	(0.868)	488956	250.000	213.56
	53 1,1,2-Trichloroethane	97	6.310	6.310	(0.881)	329149	250.000	226.81
	54 1,3-Dichloropropane	76	6.456	6.456	(0.901)	565535	250.000	221.06
	55 Tetrachloroethene	164	6.450	6.450	(0.901)	263487	250.000	235.33
	56 2-Hexanone	43	6.510	6.510	(0.909)	501374	500.000	338.96
	57 Dibromochloromethane	129	6.650	6.650	(0.929)	301177	250.000	264.82
	58 1,2-Dibromoethane	107	6.760	6.760	(0.944)	297670	250.000	246.74
	59 Chlorobenzene	112	7.192	7.192	(1.004)	912065	250.000	223.16
	60 1,1,1,2-Tetrachloroethane	131	7.253	7.253	(1.013)	283319	250.000	257.18
	61 Ethylbenzene	106	7.283	7.283	(1.017)	518502	250.000	244.71
	62 m + p-Xylene	106	7.386	7.386	(1.031)	1210313	500.000	492.97
M	63 Xylenes (total)	106				1752427	750.000	
	64 Xylene-o	106	7.745	7.745	(1.082)	542114	250.000	250.69
	65 Styrene	104	7.758	7.758	(1.083)	871978	250.000	215.53
	66 Bromoform	173	7.934	7.934	(1.108)	122143	250.000	268.06
	67 Isopropylbenzene	105	8.086	8.086	(1.129)	1138867	250.000	240.57
	68 1,1,2,2-Tetrachloroethane	83	8.354	8.354	(0.895)	260984	250.000	241.38
	69 1,4-Dichloro-2-butene	53	8.409	8.409	(0.901)	67862	250.000	222.54
	70 1,2,3-Trichloropropane	110	8.402	8.402	(0.900)	78924	250.000	251.75
	71 Bromobenzene	156	8.378	8.378	(0.898)	250895	250.000	254.65
	72 n-Propylbenzene	120	8.469	8.469	(0.907)	308441	250.000	265.05
	73 2-Chlorotoluene	126	8.555	8.555	(0.917)	258214	250.000	258.98
	74 1,3,5-Trimethylbenzene	105	8.640	8.640	(0.926)	824421	250.000	250.58
	75 4-Chlorotoluene	126	8.658	8.658	(0.928)	264601	250.000	259.60

76 tert-Butylbenzene	119	8.950	8.950 (0.959)	677635	250.000	256.35
77 1,2,4-Trimethylbenzene	105	8.993	8.993 (0.963)	807098	250.000	243.19

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141846.D
Report Date: 09-Jun-2005 14:30

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
78 sec-Butylbenzene	105	9.163	9.163	(0.982)	1010640	250.000	242.57
79 4-Isopropyltoluene	119	9.297	9.297	(0.996)	765555	250.000	229.04
80 1,3-Dichlorobenzene	146	9.266	9.266	(0.993)	415826	250.000	232.13
81 1,4-Dichlorobenzene	146	9.351	9.351	(1.002)	427375	250.000	220.72
82 n-Butylbenzene	91	9.698	9.698	(1.039)	669536	250.000	245.43
83 1,2-Dichlorobenzene	146	9.716	9.716	(1.041)	398955	250.000	222.09
84 1,2-Dibromo-3-chloropropane	157	10.471	10.471	(1.122)	31175	250.000	253.36
85 1,2,4-Trichlorobenzene	180	11.292	11.292	(1.210)	187635	250.000	237.94
86 Hexachlorobutadiene	225	11.469	11.469	(1.229)	72849	250.000	229.82
87 Naphthalene	128	11.535	11.535	(1.236)	543284	250.000	251.07
88 1,2,3-Trichlorobenzene	180	11.773	11.773	(1.261)	178049	250.000	246.51
98 Cyclohexane	56	4.260	4.260	(0.909)	872970	250.000	237.99
143 Methyl Acetate	43	2.836	2.836	(0.605)	814924	500.000	492.56
144 Methylcyclohexane	83	5.123	5.123	(1.093)	794992	250.000	263.32
141 1,3,5-Trichlorobenzene	180	10.684	10.684	(1.145)	217795	250.000	229.08


Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141846.D
Date : 09-JUN-2005 13:38
Client ID:
Sample Info: 250NG-CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux14.i
Operator: 402279
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide
-Acetonitrile
-Methyl Acetate
-tert-Butyl Alcohol
Methylene Chloride
Acrylonitrile+
-Vinyl acetate+
Hexane
1,2-Dichloroethene (total
-Bromochloromethane
Chloroform+ 2-Butanone+
-Dibromofluoromethane+
-1,2-Dichloroethane-d4
Cyclohexane
1,1-Dichloropropene+
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane 1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene
4-Methyl-2-pentanone
-trans-1,3-Dichloropropene-d4
-Ethyl Methacrylate Toluene
-1,1,2-Trichloroethane
-2-Hexanone
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Xylenes (total)
-Bromoform
Xylene-o+
-Bromofluorobenzene
Isopropylbenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
-1,3-Dichlorobenzene
sec+Butylbenzene
1,4-Dichlorobenzene-d4+
4-Isopropyltoluene
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141846.D

RAW QC DATA

STL North Canton

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\BFB590.D
Lab Smp Id: 50NG INJECTION OF B Client Smp ID: 50NGBFB
Inj Date : 04-JUN-2005 16:32
Operator : 402279 Inst ID: a3ux7.i
Smp Info : 50NG INJECTION OF BFB
Misc Info : U50604B-IC,BFBSUX7,,402279
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux7.i\U50604B-IC.b\BFBSUX7.m
Meth Date : 05-May-2005 09:42 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/Kg)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.310	3.310	0.000	95	61904			100.00- 100.00	100.00
3.310	3.310	0.000	50	13917			15.00- 40.00	22.48
3.310	3.310	0.000	75	28472			30.00- 60.00	45.99
3.310	3.310	0.000	96	3620			5.00- 9.00	5.85
3.310	3.310	0.000	173	513			0.00- 2.00	1.05
3.310	3.310	0.000	174	48952			50.00- 100.00	79.08
3.310	3.310	0.000	175	3579			5.00- 9.00	7.31
3.310	3.310	0.000	176	47120			95.00- 101.00	96.26
3.310	3.310	0.000	177	2605			5.00- 9.00	5.53

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\BFB590.D

Page 1

Date : 04-JUN-2005 16:32

Client ID: 50NGBFB

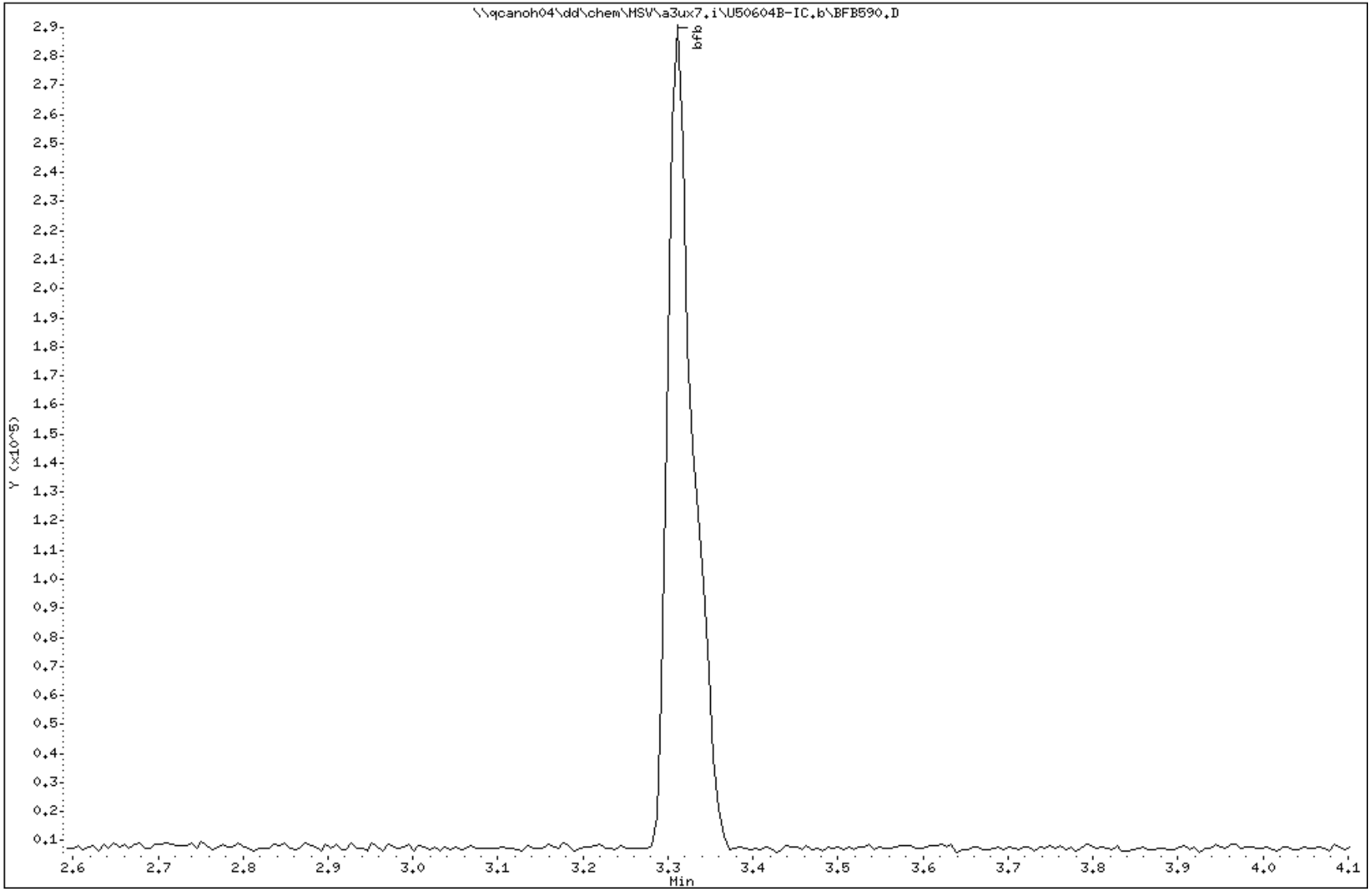
Instrument: a3ux7.i

Sample Info: 50NG INJECTION OF BFB

Operator: 402279

Column phase: DB624 20m

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\BFB590.D

Date : 04-JUN-2005 16:32

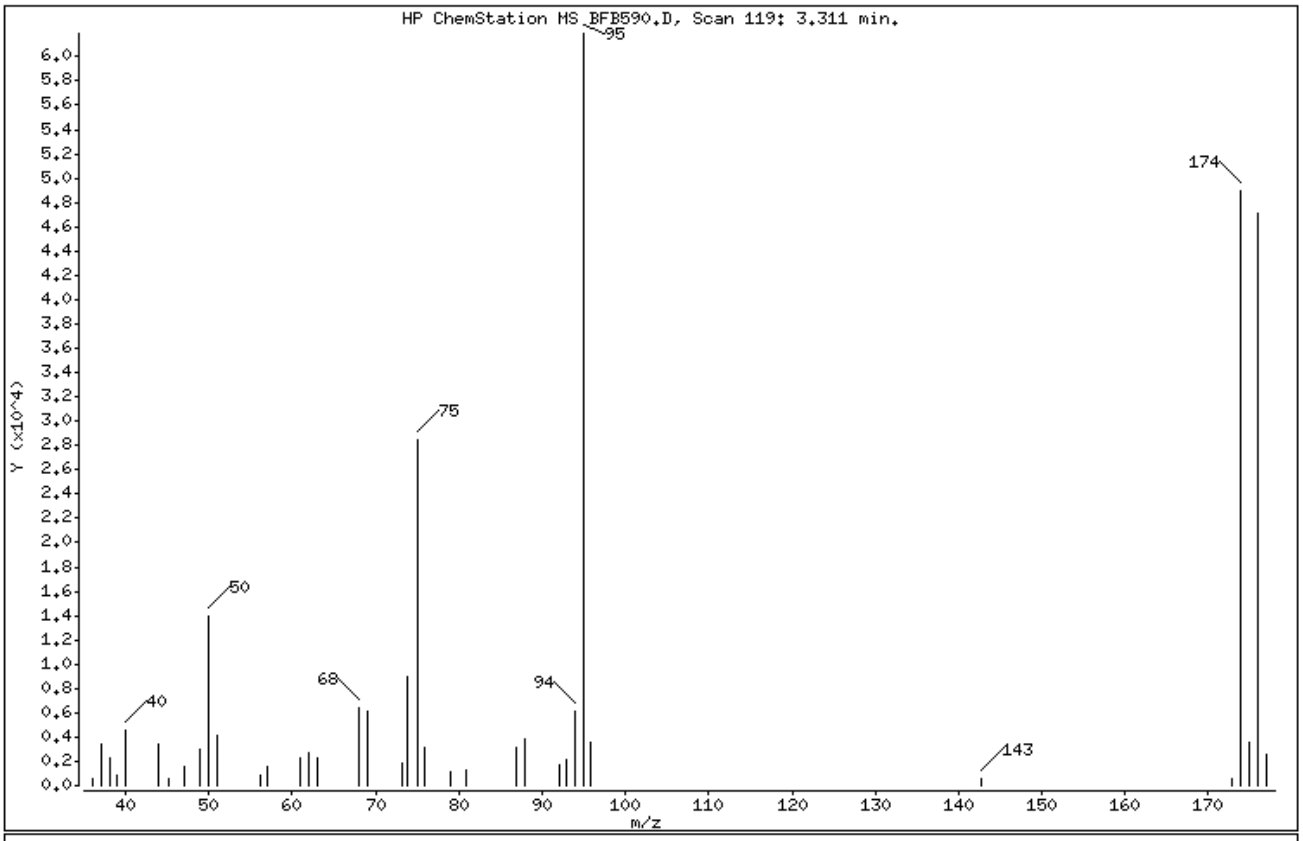
Client ID: 50NGBFB Instrument: a3ux7.i

Sample Info: 50NG INJECTION OF BFB

Operator: 402279

Column phase: DB624 20m Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.48
75	30.00 - 60.00% of mass 95	45.99
96	5.00 - 9.00% of mass 95	5.85
173	Less than 2.00% of mass 174	0.83 (1.05)
174	50.00 - 100.00% of mass 95	79.08
175	5.00 - 9.00% of mass 174	5.78 (7.31)
176	95.00 - 101.00% of mass 174	76.12 (96.26)
177	5.00 - 9.00% of mass 176	4.21 (5.53)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50604B-IC.b\BFB590.D

Date : 04-JUN-2005 16:32

Client ID: 50NGBFB Instrument: a3ux7.i

Sample Info: 50NG INJECTION OF BFB

Operator: 402279

Column phase: DB624 20m Column diameter: 0.18

Data File: BFB590.D
Spectrum: HP ChemStation MS BFB590.D, Scan 119: 3.311 min.
Location of Maximum: 95.00
Number of points: 37

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	622	51.00	4164	75.00	28472	95.90	3620
37.00	3367	56.10	919	75.90	3089	142.80	549
38.10	2209	57.10	1526	78.90	1082	172.80	513
38.90	826	61.00	2229	80.90	1324	173.90	48952
40.00	4583	62.00	2645	86.90	3183	174.90	3579
43.90	3367	63.00	2346	87.90	3885	175.90	47120
45.10	505	67.90	6449	92.00	1717	177.00	2605
47.00	1523	69.00	6102	92.90	2154		
49.00	2950	73.10	1783	94.00	6104		
50.00	13917	73.90	8979	95.00	61904		

STL - North Canton

Data file : \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\BFB593.D
Lab Smp Id: 50NG INJECTION OF B Client Smp ID: 50NGBFB
Inj Date : 08-JUN-2005 10:31
Operator : 2807 Inst ID: a3ux7.i
Smp Info : 50NG INJECTION OF BFB
Misc Info : U50608A,BFBSUX7,,2807
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\BFBSUX7.m
Meth Date : 05-May-2005 09:42 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/Kg)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
3.311	3.310	0.001	95	101664			100.00- 100.00	100.00
3.311	3.310	0.001	50	22584			15.00- 40.00	22.21
3.311	3.310	0.001	75	45920			30.00- 60.00	45.17
3.311	3.310	0.001	96	6793			5.00- 9.00	6.68
3.311	3.310	0.001	173	0	0.0	0.0	0.00- 2.00	0.00
3.311	3.310	0.001	174	80744			50.00- 100.00	79.42
3.311	3.310	0.001	175	4949			5.00- 9.00	6.13
3.311	3.310	0.001	176	76816			95.00- 101.00	95.14
3.311	3.310	0.001	177	5506			5.00- 9.00	7.17

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\BFB593.D

Page 1

Date : 08-JUN-2005 10:31

Client ID: 50NGBFB

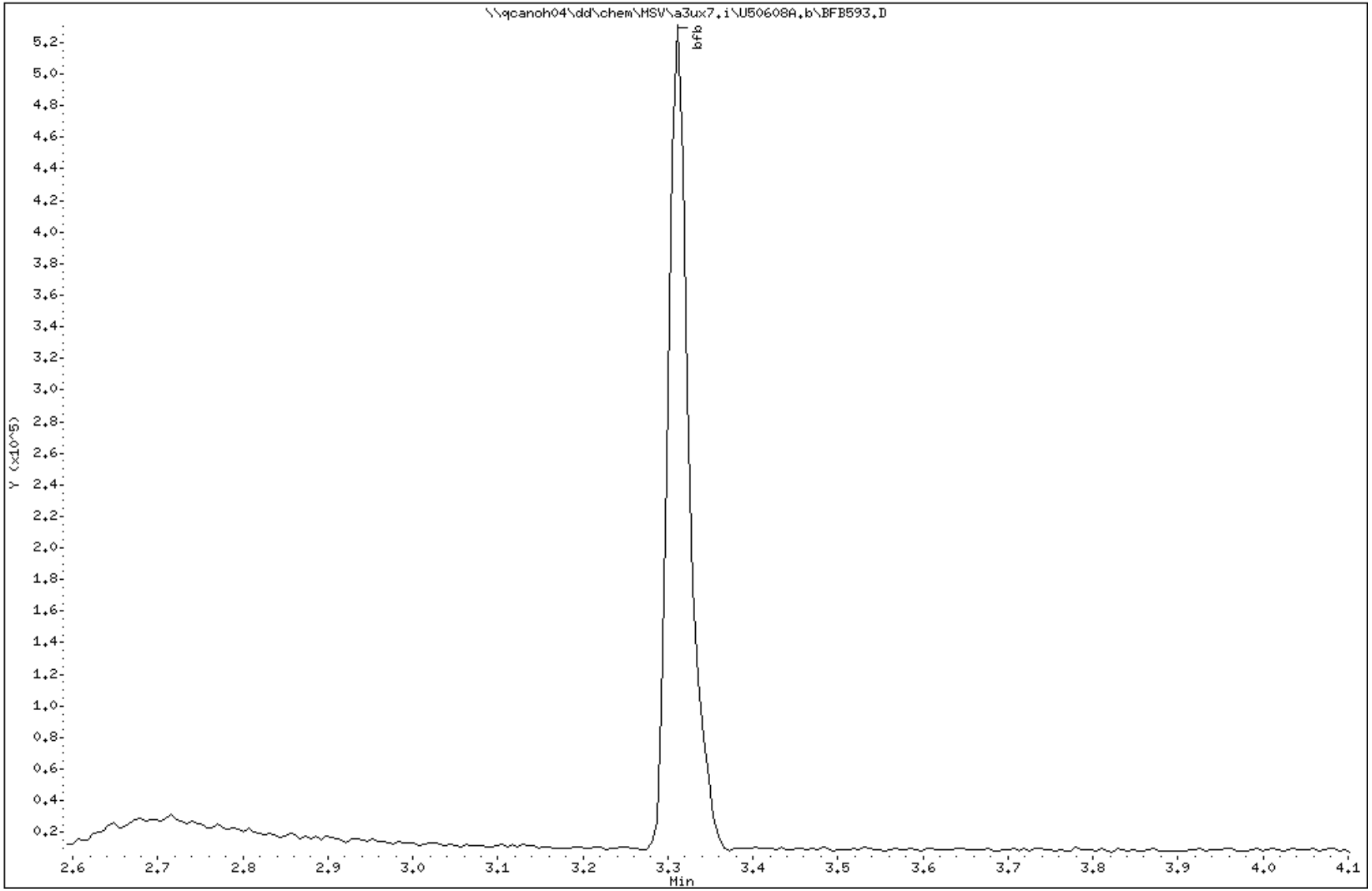
Instrument: a3ux7.i

Sample Info: 50NG INJECTION OF BFB

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\BFB593.D Page 2

Date : 08-JUN-2005 10:31

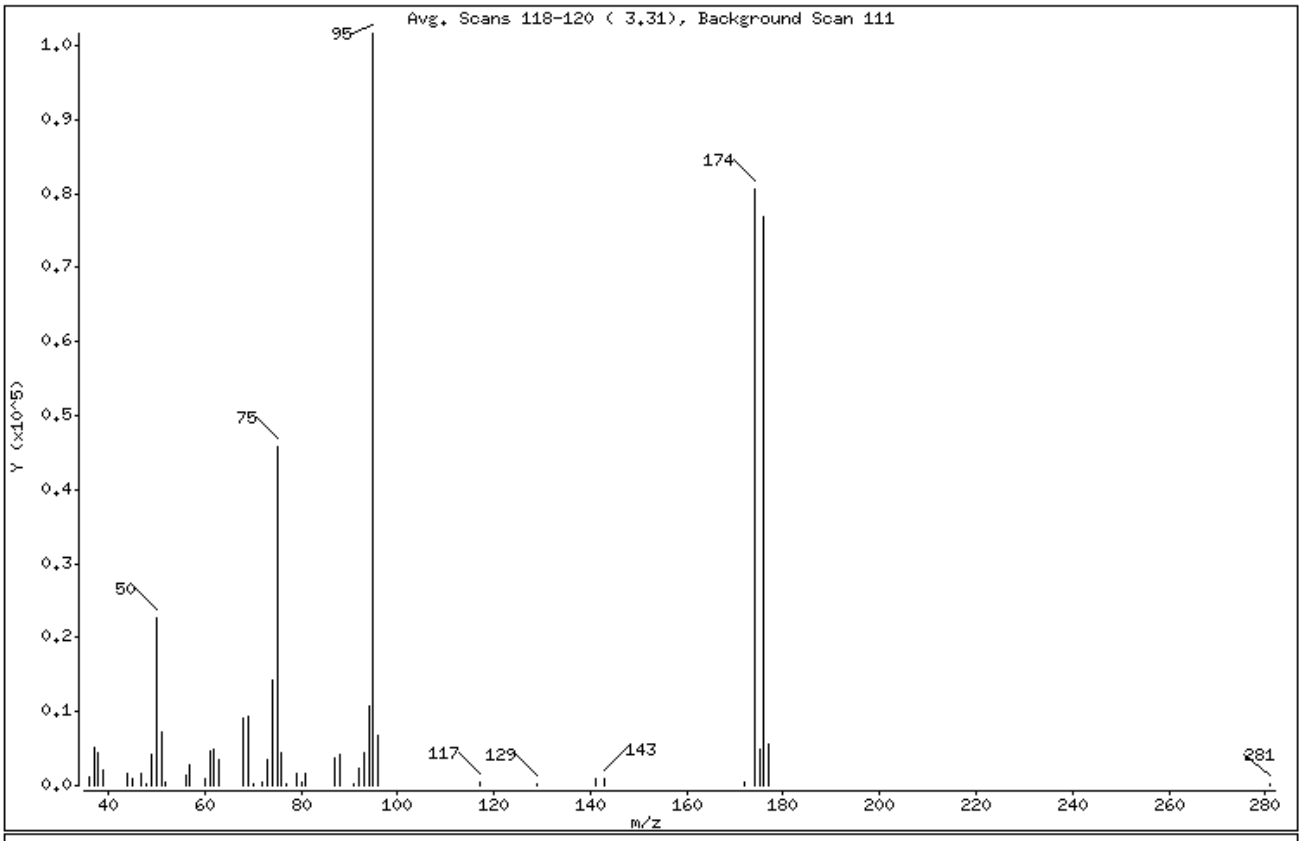
Client ID: 50NGBFB Instrument: a3ux7.i

Sample Info: 50NG INJECTION OF BFB

Operator: 2807

Column phase: DB624 20m Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.21
75	30.00 - 60.00% of mass 95	45.17
96	5.00 - 9.00% of mass 95	6.68
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	79.42
175	5.00 - 9.00% of mass 174	4.87 (6.13)
176	95.00 - 101.00% of mass 174	75.56 (95.14)
177	5.00 - 9.00% of mass 176	5.42 (7.17)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\BFB593.D Page 3

Date : 08-JUN-2005 10:31

Client ID: 50NGBFB Instrument: a3ux7.i

Sample Info: 50NG INJECTION OF BFB

Operator: 2807

Column phase: DB624 20m Column diameter: 0.18

Data File: BFB593.D
Spectrum: Avg. Scans 118-120 (3.31), Background Scan 111
Location of Maximum: 95.00
Number of points: 48

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1196	57.00	2817	77.00	174	129.00	200
37.00	5186	60.00	925	79.00	1577	141.00	911
38.00	4437	61.00	4592	80.00	477	143.00	979
39.00	2071	62.00	4844	81.00	1705	172.00	415
44.00	1752	63.00	3543	87.00	3655	174.00	80744
45.00	1019	68.00	9048	88.00	4289	175.00	4949
47.00	1599	69.00	9412	91.00	209	176.00	76816
48.00	284	70.00	208	92.00	2376	177.00	5506
49.00	4172	72.00	438	93.00	4346	281.00	184
50.00	22584	73.00	3568	94.00	10706		
51.00	7144	74.00	14193	95.00	101664		
52.00	416	75.00	45920	96.00	6793		
56.00	1320	76.00	4382	117.00	490		

STL North Canton

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B.b\BFB241.D
Lab Smp Id: 50NG INJECTION OF B Client Smp ID: 50NG BFB
Inj Date : 13-JUN-2005 18:52
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 50NG INJECTION OF BFB
Misc Info : N50613B,BFBUX9,,1819
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50613B.b\BFBUX9.m
Meth Date : 03-Sep-2002 15:09 target Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 5 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.535	3.500	0.035	95	46856			100.00- 100.00	100.00
3.535	3.500	0.035	50	12701			15.00- 40.00	27.11
3.535	3.500	0.035	75	22464			30.00- 60.00	47.94
3.535	3.500	0.035	96	3655			5.00- 9.00	7.80
3.535	3.500	0.035	173	0	0.0	0.0	0.00- 2.00	0.00
3.535	3.500	0.035	174	30856			50.00- 120.00	65.85
3.535	3.500	0.035	175	2274			5.00- 9.00	7.37
3.535	3.500	0.035	176	30280			95.00- 101.00	98.13
3.535	3.500	0.035	177	2157			5.00- 9.00	7.12

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\BFB241.D

Page 1

Date : 13-JUN-2005 18:52

Client ID: 50NG BFB

Instrument: a3ux9.i

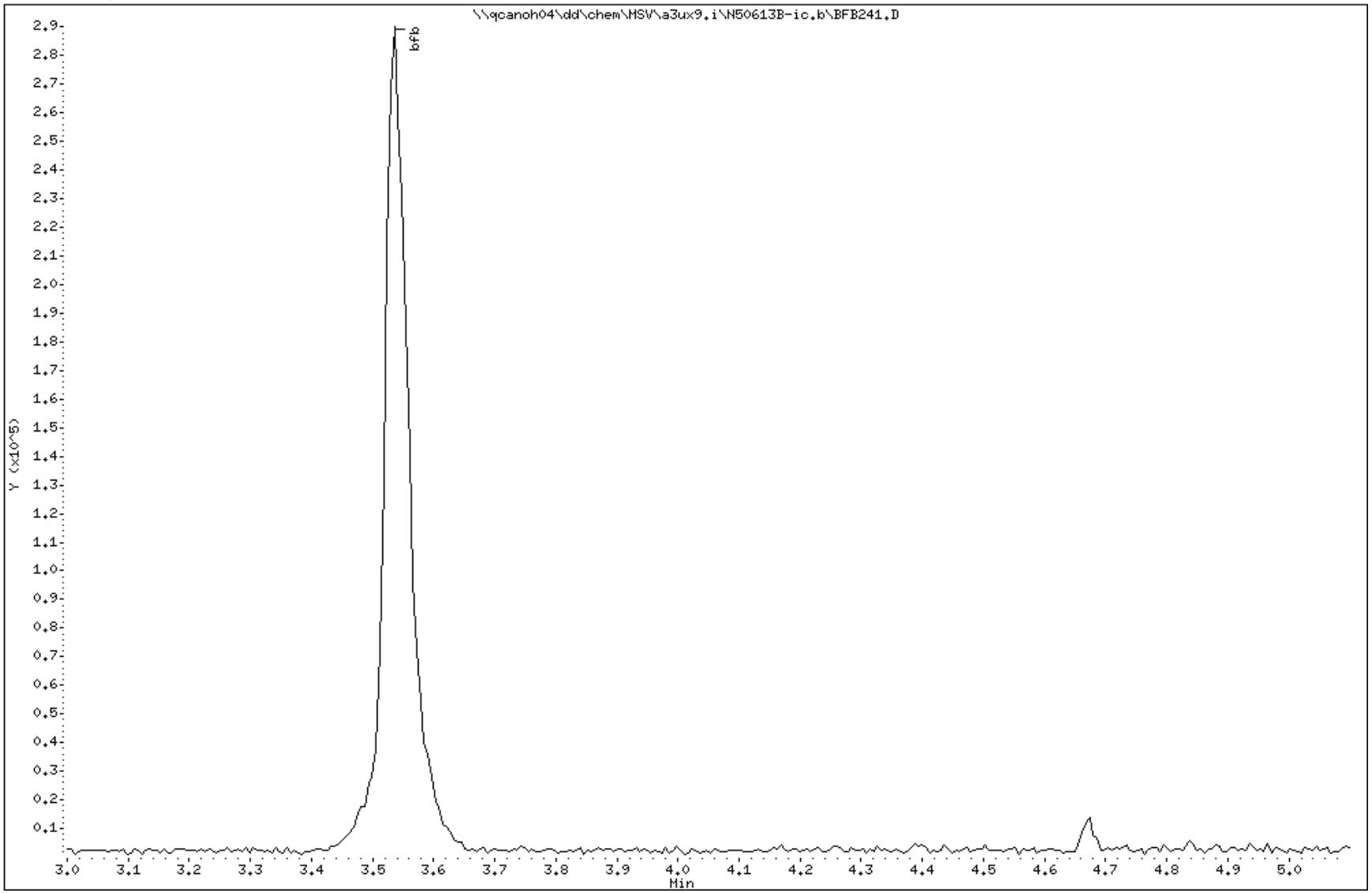
Sample Info: 50NG INJECTION OF BFB

Volume Injected (uL): 1.0

Operator: 1819

Column phase: DB624 75M

Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\BFB241.D Page 2

Date : 13-JUN-2005 18:52

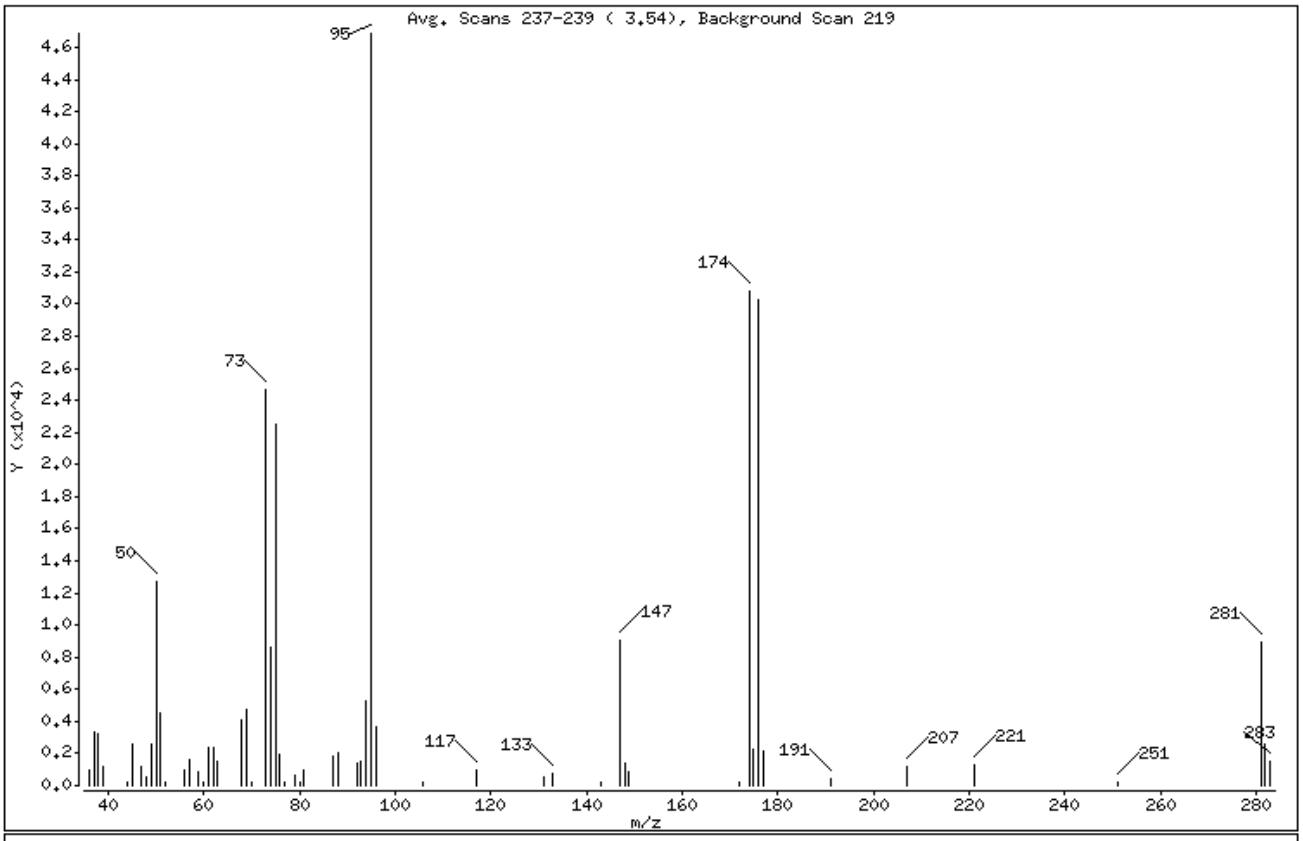
Client ID: 50NG BFB Instrument: a3ux9.i

Sample Info: 50NG INJECTION OF BFB

Volume Injected (uL): 1.0 Operator: 1819

Column phase: DB624 75M Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	27.11
75	30.00 - 60.00% of mass 95	47.94
96	5.00 - 9.00% of mass 95	7.80
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	65.85
175	5.00 - 9.00% of mass 174	4.85 (7.37)
176	95.00 - 101.00% of mass 174	64.62 (98.13)
177	5.00 - 9.00% of mass 176	4.60 (7.12)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50613B-ic.b\BFB241.D Page 3

Date : 13-JUN-2005 18:52

Client ID: 50NG BFB Instrument: a3ux9.i

Sample Info: 50NG INJECTION OF BFB

Volume Injected (uL): 1.0 Operator: 1819

Column phase: DB624 75M Column diameter: 0.53

Data File: BFB241.D
Spectrum: Avg. Scans 237-239 (3.54), Background Scan 219
Location of Maximum: 95.00
Number of points: 57

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	953	60.00	229	87.00	1825	172.00	175
37.00	3334	61.00	2341	88.00	2038	174.00	30856
38.00	3238	62.00	2355	92.00	1412	175.00	2274
39.00	1221	63.00	1464	93.00	1468	176.00	30280
44.00	172	68.00	4044	94.00	5310	177.00	2157
45.00	2561	69.00	4708	95.00	46856	191.00	415
47.00	1200	70.00	195	96.00	3655	207.00	1199
48.00	529	73.00	24704	106.00	194	221.00	1279
49.00	2563	74.00	8619	117.00	933	251.00	205
50.00	12701	75.00	22464	131.00	491	281.00	8961
51.00	4531	76.00	1947	133.00	734	282.00	2537
52.00	171	77.00	232	143.00	263	283.00	1551
56.00	986	79.00	688	147.00	9040		
57.00	1662	80.00	180	148.00	1367		
59.00	878	81.00	1012	149.00	849		

STL North Canton

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\BFB248.D
Lab Smp Id: 50NG INJECTION OF B Client Smp ID: 50NG BFB
Inj Date : 16-JUN-2005 17:19
Operator : 1819 Inst ID: a3ux9.i
Smp Info : 50NG INJECTION OF BFB
Misc Info : N50616B,BFBUX9,,1819
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\BFBUX9.m
Meth Date : 03-Sep-2002 15:09 target Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 27 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CANPMSV16

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.532	3.500	0.032	95	41808			100.00- 100.00	100.00
3.532	3.500	0.032	50	12507			15.00- 40.00	29.92
3.532	3.500	0.032	75	21176			30.00- 60.00	50.65
3.532	3.500	0.032	96	2932			5.00- 9.00	7.01
3.532	3.500	0.032	173	256			0.00- 2.00	0.79
3.532	3.500	0.032	174	32520			50.00- 120.00	77.78
3.532	3.500	0.032	175	2172			5.00- 9.00	6.68
3.532	3.500	0.032	176	30996			95.00- 101.00	95.31
3.532	3.500	0.032	177	2749			5.00- 9.00	8.87

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\BFB248.D

Page 1

Date : 16-JUN-2005 17:19

Client ID: 50NG BFB

Instrument: a3ux9.i

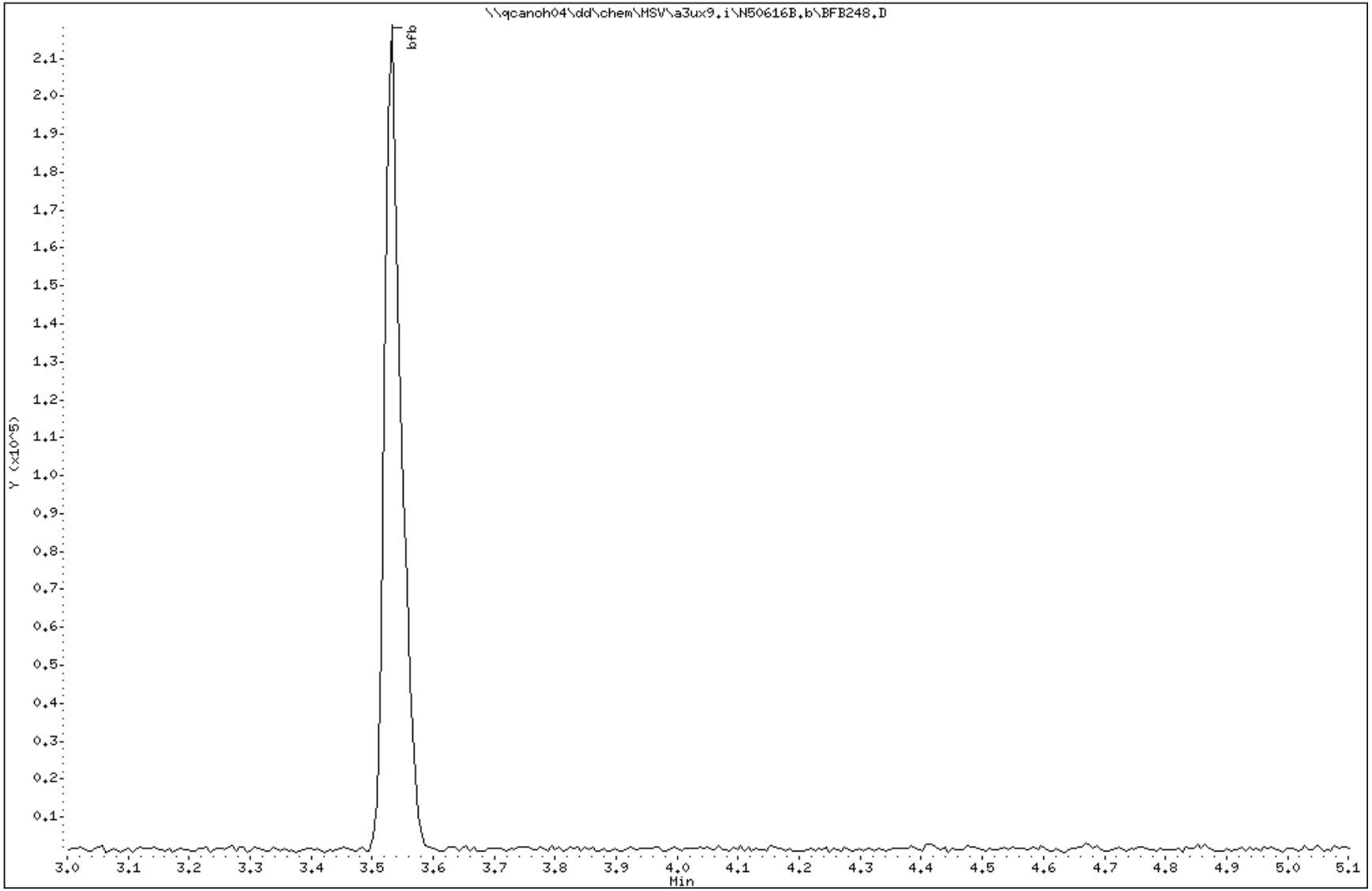
Sample Info: 50NG INJECTION OF BFB

Volume Injected (uL): 1.0

Operator: 1819

Column phase: DB624 75M

Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\BFB248.D

Date : 16-JUN-2005 17:19

Client ID: 50NG BFB

Instrument: a3ux9.i

Sample Info: 50NG INJECTION OF BFB

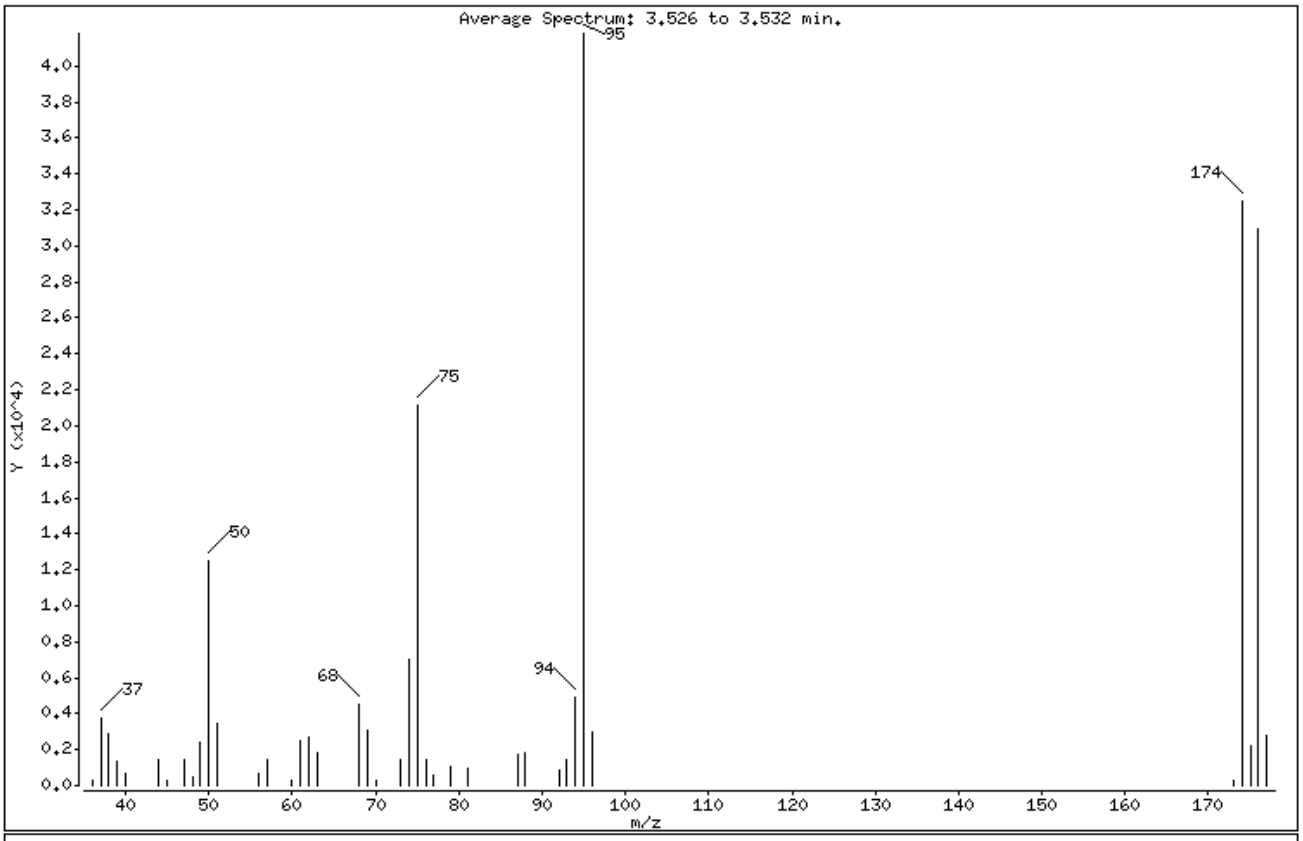
Volume Injected (uL): 1.0

Operator: 1819

Column phase: DB624 75M

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	29.92
75	30.00 - 60.00% of mass 95	50.65
96	5.00 - 9.00% of mass 95	7.01
173	Less than 2.00% of mass 174	0.61 (0.79)
174	50.00 - 120.00% of mass 95	77.78
175	5.00 - 9.00% of mass 174	5.20 (6.68)
176	95.00 - 101.00% of mass 174	74.14 (95.31)
177	5.00 - 9.00% of mass 176	6.58 (8.87)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\BFB248.D Page 3

Date : 16-JUN-2005 17:19

Client ID: 50NG BFB Instrument: a3ux9.i

Sample Info: 50NG INJECTION OF BFB

Volume Injected (uL): 1.0 Operator: 1819

Column phase: DB624 75M Column diameter: 0.53

Data File: BFB248.D
Spectrum: Average Spectrum: 3.526 to 3.532 min.
Location of Maximum: 95.00
Number of points: 40

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	267	51.00	3412	74.00	7033	95.00	41808
37.00	3755	56.00	704	75.00	21176	96.00	2932
38.00	2895	57.00	1439	76.00	1455	173.00	256
39.00	1393	60.00	253	77.00	539	174.00	32520
40.00	717	61.00	2524	79.00	1023	175.00	2172
44.00	1488	62.00	2697	81.00	925	176.00	30992
45.00	257	63.00	1803	87.00	1743	177.00	2749
47.00	1441	68.00	4525	88.00	1854		
48.00	464	69.00	3114	92.00	833		
49.00	2393	70.00	257	93.00	1398		
50.00	12507	73.00	1473	94.00	4915		

STL North Canton

Data file : \\QCANOH04\DD\chem\MSV\a3ux14.i\R50517A-IC.b\BFB14536.D
Lab Smp Id: 50NG INJECTION OF B Client Smp ID: 50NGBFB
Inj Date : 17-MAY-2005 11:20
Operator : 2807 Inst ID: a3ux14.i
Smp Info : 50NG INJECTION OF BFB
Misc Info : R50517A-IC,BFBSUX14,,2807
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux14.i\R50517A-IC.b\BFBSUX14.m
Meth Date : 31-Oct-2003 09:24 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: QCANOH04

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/Kg)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.235	3.542	-0.307	95	98888			100.00- 100.00	100.00
3.235	3.542	-0.307	50	18192			15.00- 40.00	18.40
3.235	3.542	-0.307	75	42568			30.00- 60.00	43.05
3.235	3.542	-0.307	96	7530			5.00- 9.00	7.61
3.235	3.542	-0.307	173	427			0.00- 2.00	0.69
3.235	3.542	-0.307	174	62176			50.00- 120.00	62.88
3.235	3.542	-0.307	175	4458			5.00- 9.00	7.17
3.235	3.542	-0.307	176	59280			95.00- 101.00	95.34
3.235	3.542	-0.307	177	3795			5.00- 9.00	6.40

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\BFB14536.D

Page 1

Date : 17-MAY-2005 11:20

Client ID: 50NGBFB

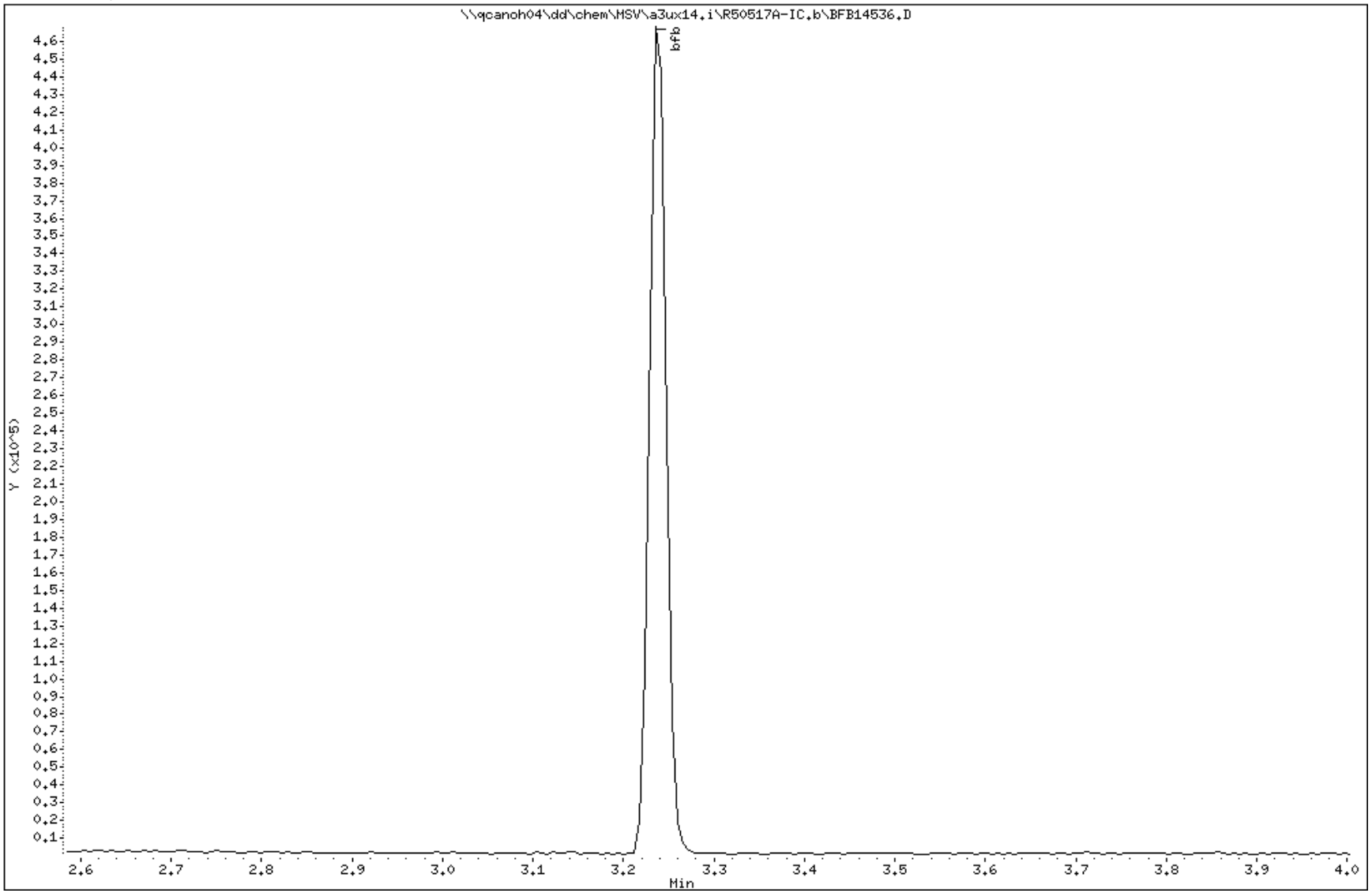
Instrument: a3ux14.i

Sample Info: 50NG INJECTION OF BFB

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\BFB14536.D

Date : 17-MAY-2005 11:20

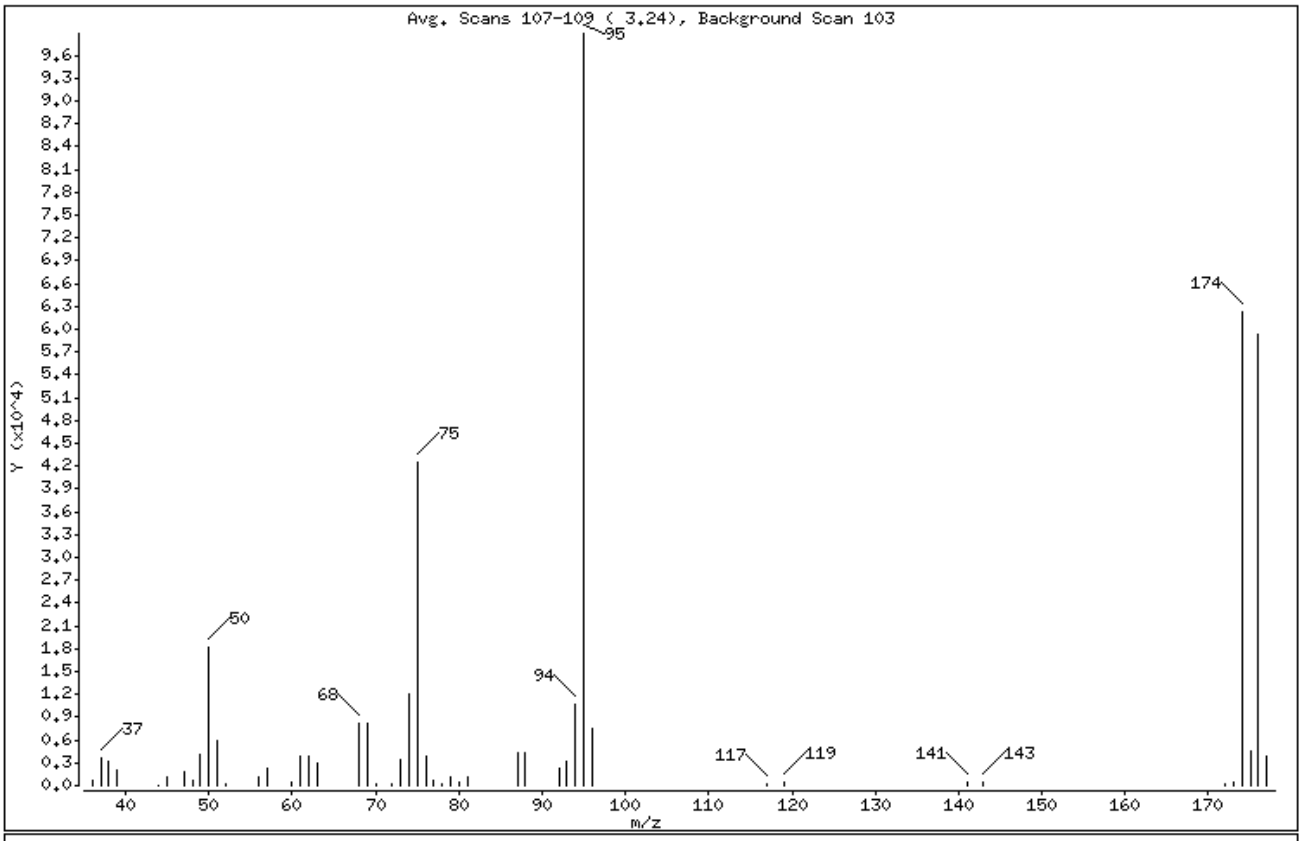
Client ID: 50NGBFB Instrument: a3ux14.i

Sample Info: 50NG INJECTION OF BFB

Operator: 2807

Column phase: DB624 20m Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.40
75	30.00 - 60.00% of mass 95	43.05
96	5.00 - 9.00% of mass 95	7.61
173	Less than 2.00% of mass 174	0.43 (0.69)
174	50.00 - 120.00% of mass 95	62.88
175	5.00 - 9.00% of mass 174	4.51 (7.17)
176	95.00 - 101.00% of mass 174	59.95 (95.34)
177	5.00 - 9.00% of mass 176	3.84 (6.40)

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50517A-IC.b\BFB14536.D

Date : 17-MAY-2005 11:20

Client ID: 50NGBFB Instrument: a3ux14.i

Sample Info: 50NG INJECTION OF BFB

Operator: 2807

Column phase: DB624 20m Column diameter: 0.18

Data File: BFB14536.D
Spectrum: Avg. Scans 107-109 (3.24), Background Scan 103
Location of Maximum: 95.00
Number of points: 48

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	669	57.00	2253	77.00	692	119.00	374
37.00	3702	60.00	476	78.00	223	141.00	386
38.00	3096	61.00	3933	79.00	1026	143.00	371
39.00	1956	62.00	3918	80.00	368	172.00	228
44.00	60	63.00	3048	81.00	1062	173.00	427
45.00	1057	68.00	8234	87.00	4319	174.00	62176
47.00	1917	69.00	8117	88.00	4237	175.00	4458
48.00	647	70.00	264	92.00	2273	176.00	59280
49.00	3989	72.00	218	93.00	3259	177.00	3795
50.00	18192	73.00	3474	94.00	10633		
51.00	5996	74.00	11975	95.00	98888		
52.00	205	75.00	42568	96.00	7530		
56.00	1103	76.00	3774	117.00	195		

STL North Canton

Data file : \\QCANOH04\DD\chem\MSV\a3ux14.i\R50609A.b\BFB14558.D
Lab Smp Id: 50NG INJECTION OF B Client Smp ID: 50NGBFB
Inj Date : 09-JUN-2005 12:54
Operator : 402279 Inst ID: a3ux14.i
Smp Info : 50NG INJECTION OF BFB
Misc Info : R50609A,BFBSUX14,,402279
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux14.i\R50609A.b\BFBSUX14.m
Meth Date : 31-Oct-2003 09:24 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: QCANOH04

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/Kg)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.236	3.542	-0.306	95	64160			100.00- 100.00	100.00
3.236	3.542	-0.306	50	9874			15.00- 40.00	15.39
3.236	3.542	-0.306	75	24888			30.00- 60.00	38.79
3.236	3.542	-0.306	96	4152			5.00- 9.00	6.47
3.236	3.542	-0.306	173	189			0.00- 2.00	0.44
3.236	3.542	-0.306	174	43280			50.00- 120.00	67.46
3.236	3.542	-0.306	175	2947			5.00- 9.00	6.81
3.236	3.542	-0.306	176	41656			95.00- 101.00	96.25
3.236	3.542	-0.306	177	2653			5.00- 9.00	6.37

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\BFB14558.D

Page 1

Date : 09-JUN-2005 12:54

Client ID: 50NGBFB

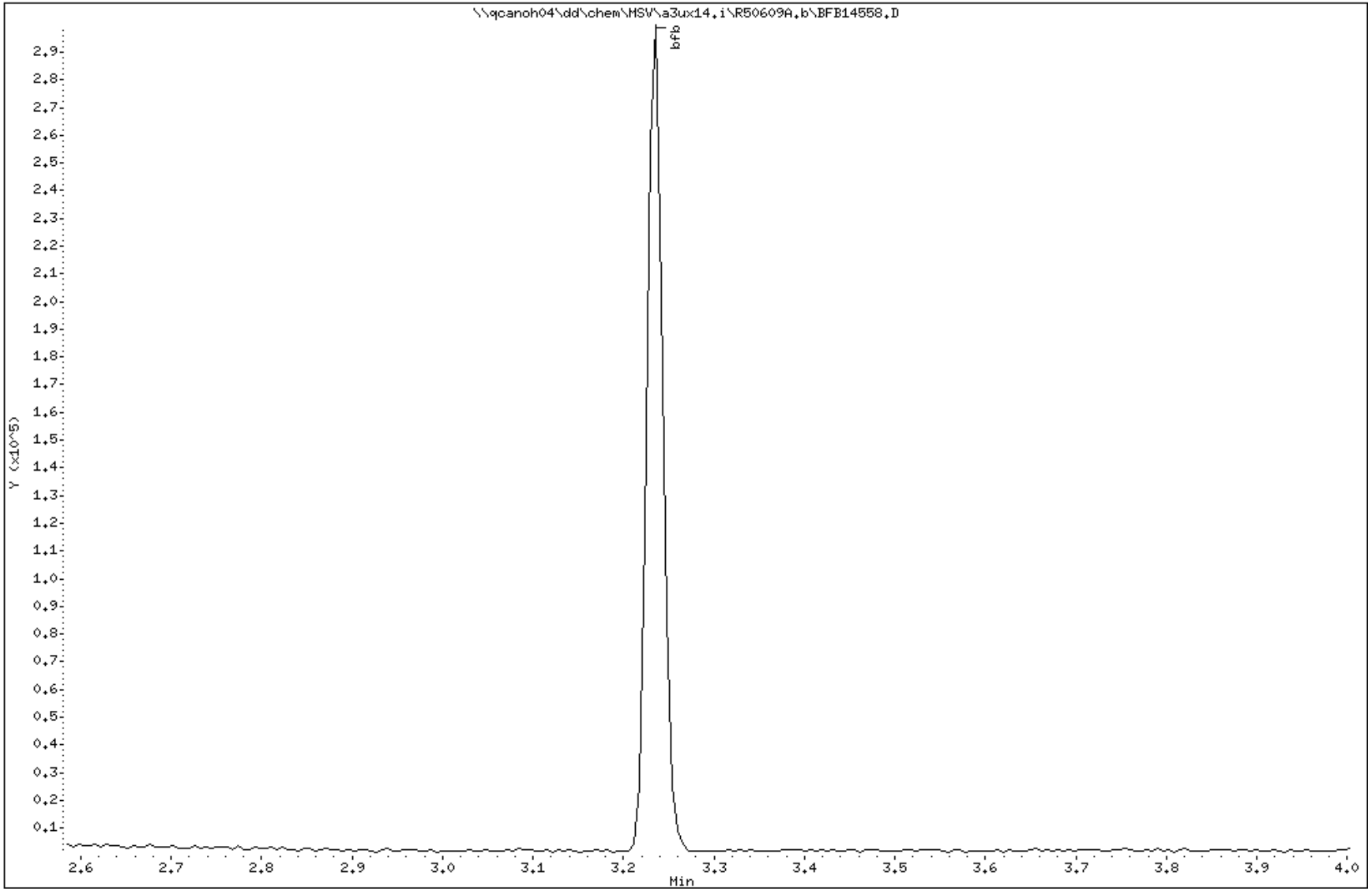
Instrument: a3ux14.i

Sample Info: 50NG INJECTION OF BFB

Operator: 402279

Column phase: DB624 20m

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\BFB14558.D

Date : 09-JUN-2005 12:54

Client ID: 50NGBFB

Instrument: a3ux14.i

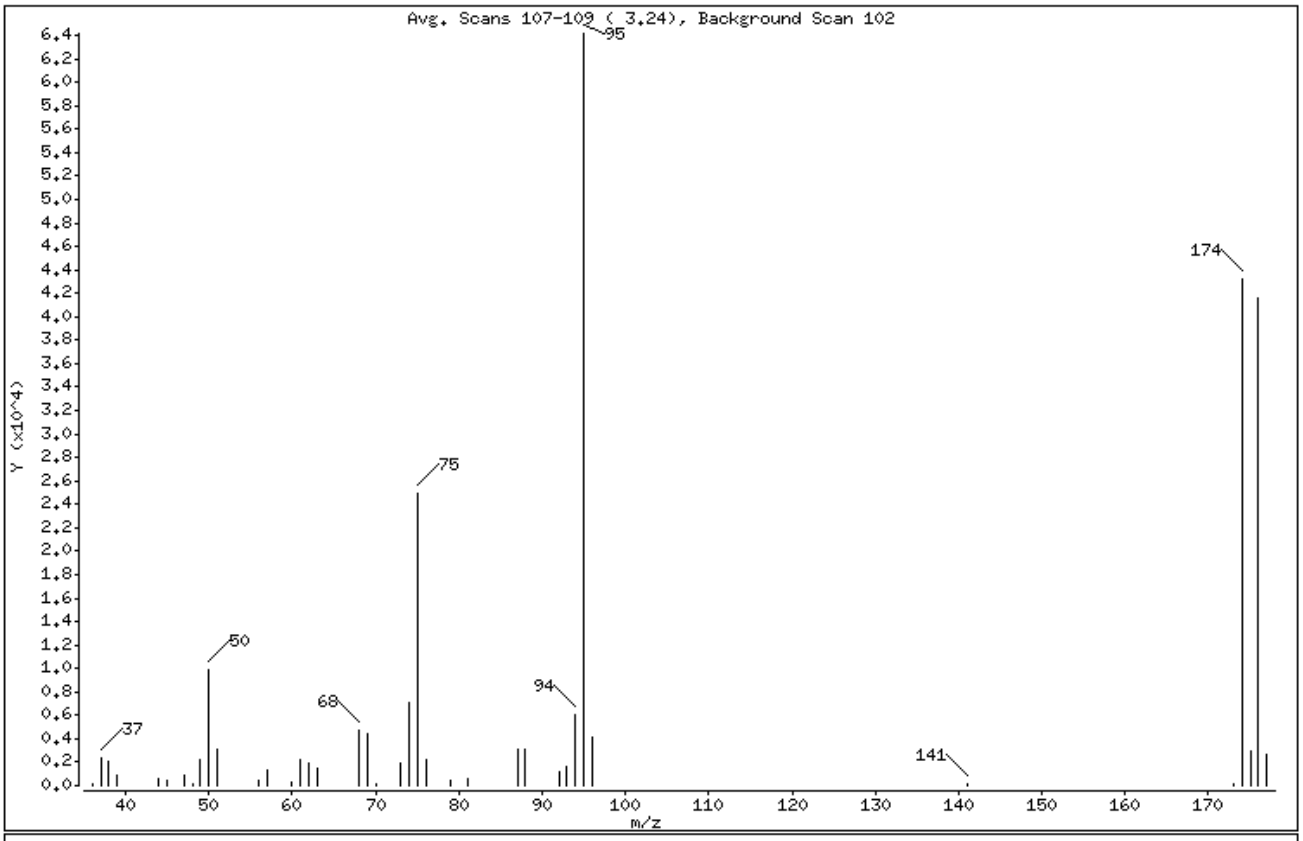
Sample Info: 50NG INJECTION OF BFB

Operator: 402279

Column phase: DB624 20m

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.39
75	30.00 - 60.00% of mass 95	38.79
96	5.00 - 9.00% of mass 95	6.47
173	Less than 2.00% of mass 174	0.29 (0.44)
174	50.00 - 120.00% of mass 95	67.46
175	5.00 - 9.00% of mass 174	4.59 (6.81)
176	95.00 - 101.00% of mass 174	64.93 (96.25)
177	5.00 - 9.00% of mass 176	4.13 (6.37)

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\BFB14558.D Page 3

Date : 09-JUN-2005 12:54

Client ID: 50NGBFB Instrument: a3ux14.i

Sample Info: 50NG INJECTION OF BFB

Operator: 402279

Column phase: DB624 20m Column diameter: 0.18

Data File: BFB14558.D
Spectrum: Avg. Scans 107-109 (3.24), Background Scan 102
Location of Maximum: 95.00
Number of points: 39

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	211	51.00	3087	73.00	1977	94.00	6120
37.00	2309	56.00	465	74.00	7117	95.00	64160
38.00	2094	57.00	1337	75.00	24888	96.00	4152
39.00	875	60.00	355	76.00	2221	141.00	193
44.00	556	61.00	2207	79.00	408	173.00	189
45.00	377	62.00	1946	81.00	535	174.00	43280
47.00	862	63.00	1434	87.00	3082	175.00	2947
48.00	202	68.00	4684	88.00	3153	176.00	41656
49.00	2216	69.00	4421	92.00	1202	177.00	2653
50.00	9874	70.00	218	93.00	1675		

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A5F040126 **Work Order #...:** HC9LR1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: A5F090000-311 HC9LR1AD-LCSD
Prep Date.....: 06/08/05 **Analysis Date..:** 06/08/05
Prep Batch #...: 5160311
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 g

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**102**	**(75 - 129)**			**SW846 8260B**
	100	**(75 - 129)**	**2.0**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**102**	**(75 - 127)**			**SW846 8260B**
	99	**(75 - 127)**	**2.3**	**(0-22)**	**SW846 8260B**
1,1-Dichloroethene	**98**	**(55 - 142)**			**SW846 8260B**
	100	**(55 - 142)**	**2.1**	**(0-27)**	**SW846 8260B**
Toluene	**103**	**(71 - 130)**			**SW846 8260B**
	102	**(71 - 130)**	**1.2**	**(0-24)**	**SW846 8260B**
Trichloroethene	**106**	**(70 - 131)**			**SW846 8260B**
	106	**(70 - 131)**	**0.69**	**(0-23)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(59 - 138)
	91	(59 - 138)
1,2-Dichloroethane-d4	94	(61 - 130)
	91	(61 - 130)
Toluene-d8	93	(60 - 143)
	92	(60 - 143)
4-Bromofluorobenzene	93	(47 - 158)
	94	(47 - 158)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A5F040126 **Work Order #...:** HC9LR1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: A5F090000-311 HC9LR1AD-LCSD
Prep Date.....: 06/08/05 **Analysis Date..:** 06/08/05
Prep Batch #...: 5160311
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 g

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**50**	**51**	**ug/kg**	**102**		**SW846 8260B**
	50	**50**	**ug/kg**	**100**	**2.0**	**SW846 8260B**
Chlorobenzene	**50**	**51**	**ug/kg**	**102**		**SW846 8260B**
	50	**50**	**ug/kg**	**99**	**2.3**	**SW846 8260B**
1,1-Dichloroethene	**50**	**49**	**ug/kg**	**98**		**SW846 8260B**
	50	**50**	**ug/kg**	**100**	**2.1**	**SW846 8260B**
Toluene	**50**	**51**	**ug/kg**	**103**		**SW846 8260B**
	50	**51**	**ug/kg**	**102**	**1.2**	**SW846 8260B**
Trichloroethene	**50**	**53**	**ug/kg**	**106**		**SW846 8260B**
	50	**53**	**ug/kg**	**106**	**0.69**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(59 - 138)
	91	(59 - 138)
1,2-Dichloroethane-d4	94	(61 - 130)
	91	(61 - 130)
Toluene-d8	93	(60 - 143)
	92	(60 - 143)
4-Bromofluorobenzene	93	(47 - 158)
	94	(47 - 158)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71022.D
Report Date: 08-Jun-2005 11:21

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71022.D
Lab Smp Id: CHECK
Inj Date : 08-JUN-2005 11:42
Operator : 2807 Inst ID: a3ux7.i
Smp Info : CHECK
Misc Info : U50608A,8260SUX7,1-8260.SUB,2807,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\8260SUX7.m
Meth Date : 08-Jun-2005 10:36 macenczaks Quant Type: ISTD
Cal Date : 04-JUN-2005 18:06 Cal File: UX70952.D
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Fluorobenzene	96	4.772	4.771	(1.000)	1129809	250.000	
* 2 Chlorobenzene-d5	117	7.424	7.418	(1.000)	740789	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.650	9.650	(1.000)	341978	250.000	
$ 4 Dibromofluoromethane	113	4.212	4.212	(0.883)	262390	227.753	45.551
$ 5 1,2-Dichloroethane-d4	65	4.492	4.492	(0.941)	307431	234.591	46.918
$ 6 Toluene-d8	98	6.122	6.122	(1.283)	1151784	232.056	46.411
$ 7 Bromofluorobenzene	95	8.525	8.525	(1.148)	407277	233.648	46.730
8 Dichlorodifluoromethane	85	1.340	1.334	(0.281)	182642	162.180	32.436
9 Chloromethane	50	1.462	1.456	(0.306)	366195	221.812	44.362
10 Vinyl Chloride	62	1.547	1.541	(0.324)	344748	235.287	47.057
11 Bromomethane	94	1.791	1.791	(0.375)	164719	229.771	45.954
12 Chloroethane	64	1.870	1.864	(0.392)	188950	234.227	46.845
13 Trichlorofluoromethane	101	2.052	2.052	(0.430)	409707	273.189	54.638
15 Acrolein	56	2.356	2.356	(0.494)	443952	2609.85	521.97
16 Acetone	43	2.478	2.472	(0.519)	100821	154.410	30.882
17 1,1-Dichloroethene	96	2.460	2.454	(0.516)	300332	244.111	48.822
18 Freon-113	151	2.466	2.466	(0.517)	234807	261.364	52.273
19 Iodomethane	142	2.594	2.569	(0.544)	2499	1.36175	0.2723
20 Carbon Disulfide	76	2.636	2.630	(0.553)	1157212	244.279	48.856
21 Methylene Chloride	84	2.819	2.819	(0.591)	391473	246.325	49.265

22 Acetonitrile	41	2.685	2.679 (0.563)	440325	2390.15	478.03
23 Acrylonitrile	53	2.995	2.995 (0.628)	1295199	2571.34	514.27

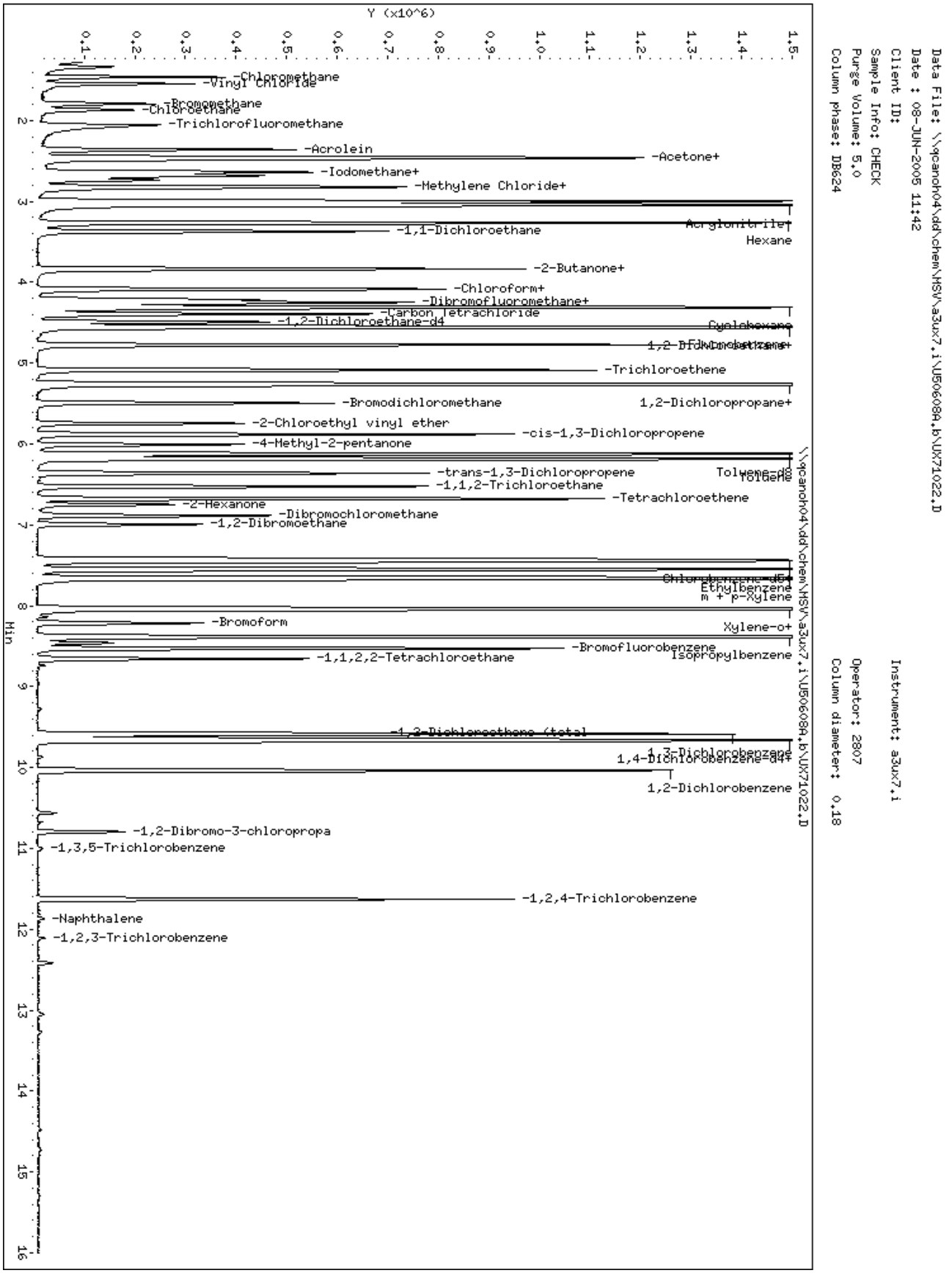
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71022.D
Report Date: 08-Jun-2005 11:21

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	24 Methyl tert-butyl ether	73	3.044	3.044	(0.638)	799810	274.685	54.937
	25 trans-1,2-Dichloroethene	96	3.044	3.038	(0.638)	386132	250.851	50.170
	26 Hexane	86	3.263	3.263	(0.684)	118768	307.477	61.495
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.372	3.366	(0.707)	699087	259.994	51.999
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	3.835	3.835	(0.804)	151356	191.476	38.295
M	31 1,2-Dichloroethene (total)	96				771051	511.936	102.39
	32 cis-1,2-dichloroethene	96	3.835	3.829	(0.804)	384919	261.315	52.263
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.084	4.084	(0.856)	593980	256.326	51.265
	36 Tetrahydrofuran	42	4.078	4.072	(0.855)	28696	54.3801	10.876
	37 1,1,1-Trichloroethane	97	4.248	4.248	(0.890)	481451	265.164	53.033
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.388	4.388	(0.920)	435092	271.106	54.221
	40 1,2-Dichloroethane	62	4.553	4.552	(0.954)	431912	263.753	52.750
	41 Benzene	78	4.553	4.552	(0.954)	1536642	255.273	51.054
	42 Trichloroethene	130	5.082	5.082	(1.065)	390310	265.616	53.123
	43 1,2-Dichloropropane	63	5.264	5.264	(1.103)	373627	256.392	51.278
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.489	5.489	(1.150)	407426	251.976	50.395
	48 cis-1,3-Dichloropropene	75	5.879	5.879	(1.232)	515507	273.745	54.749
	49 4-Methyl-2-pentanone	43	6.006	6.006	(1.259)	312957	249.872	49.974
	47 2-Chloroethyl vinyl ether	63	5.745	5.745	(1.204)	167487	278.150	55.630
	50 Toluene	91	6.183	6.183	(0.833)	1552992	256.725	51.345
	51 trans-1,3-Dichloropropene	75	6.359	6.359	(0.857)	417209	269.175	53.835
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.524	6.524	(0.879)	262284	255.845	51.169
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.676	6.676	(0.899)	295167	263.546	52.709
	56 2-Hexanone	43	6.749	6.749	(0.909)	210104	205.296	41.059
	57 Dibromochloromethane	129	6.889	6.882	(0.928)	272702	258.139	51.628
	58 1,2-Dibromoethane	107	6.992	6.992	(0.942)	251477	260.628	52.126
	59 Chlorobenzene	112	7.448	7.448	(1.003)	928084	254.021	50.804
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.552	7.552	(1.017)	554668	265.941	53.188
	62 m + p-Xylene	106	7.661	7.661	(1.032)	1333243	519.633	103.93
M	63 Xylenes (total)	106				1949509	775.625	155.12
	64 Xylene-o	106	8.032	8.032	(1.082)	616266	255.826	51.165
	65 Styrene	104	8.038	8.038	(1.083)	1029018	254.619	50.924
	66 Bromoform	173	8.215	8.215	(1.107)	183905	264.568	52.914
	67 Isopropylbenzene	105	8.385	8.385	(1.129)	1673203	284.919	56.984
	68 1,1,2,2-Tetrachloroethane	83	8.653	8.653	(0.897)	318199	262.647	52.529
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71022.D
Report Date: 08-Jun-2005 11:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.584	9.584	(0.993)	651900	255.146	51.029
81 1,4-Dichlorobenzene	146	9.675	9.669	(1.003)	665788	251.486	50.297
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.034	10.034	(1.040)	589199	247.677	49.535
84 1,2-Dibromo-3-chloropropane	157	10.794	10.794	(1.119)	53222	246.476	49.295
85 1,2,4-Trichlorobenzene	180	11.628	11.628	(1.205)	322045	246.990	49.398
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	11.865	11.865	(1.229)	12864	16.7528	3.350
88 1,2,3-Trichlorobenzene	180	12.108	12.108	(1.255)	5868	4.57940	0.9159
98 Cyclohexane	56	4.309	4.309	(0.903)	814954	257.695	51.539
143 Methyl Acetate	43	2.734	2.734	(0.573)	257489	246.812	49.362
144 Methylcyclohexane	83	5.258	5.258	(1.102)	730951	264.339	52.868
141 1,3,5-Trichlorobenzene	180	11.019	11.019	(1.142)	3285	1.98840	0.3977


Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71022.D
Date : 08-JUN-2005 11:42
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux7.i
Operator: 2807
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride+
Acrylonitrile+
-1,1-Dichloroethane
Hexane
-2-Butanone+
-Chloroform+
-Dibromofluoromethane+
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
Cyclohexane
1,2-Dichloroethane+
-Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-trans-1,3-Dichloropropene
Toluene-d8
Toluene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o+
-Bromofluorobenzene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
-1,2-Dichloroethane (total
1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Naphthalene
-1,2,3-Trichlorobenzene

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71023.D
Report Date: 08-Jun-2005 12:28

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71023.D
Lab Smp Id: CHECKDUP
Inj Date : 08-JUN-2005 12:06
Operator : 2807 Inst ID: a3ux7.i
Smp Info : CHECKDUP
Misc Info : U50608A,8260SUX7,1-8260.SUB,2807,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\8260SUX7.m
Meth Date : 08-Jun-2005 10:36 macenczaks Quant Type: ISTD
Cal Date : 04-JUN-2005 18:06 Cal File: UX70952.D
Als bottle: 4 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Fluorobenzene	96	4.777	4.771	(1.000)	1068963	250.000	
* 2 Chlorobenzene-d5	117	7.423	7.418	(1.000)	704158	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.649	9.650	(1.000)	326175	250.000	
$ 4 Dibromofluoromethane	113	4.211	4.212	(0.882)	248789	228.240	45.648
$ 5 1,2-Dichloroethane-d4	65	4.491	4.492	(0.940)	280836	226.495	45.299
$ 6 Toluene-d8	98	6.121	6.122	(1.281)	1084971	231.038	46.208
$ 7 Bromofluorobenzene	95	8.524	8.525	(1.148)	387809	234.053	46.810
8 Dichlorodifluoromethane	85	1.333	1.334	(0.279)	176695	165.830	33.166
9 Chloromethane	50	1.455	1.456	(0.305)	362328	231.962	46.392
10 Vinyl Chloride	62	1.546	1.541	(0.324)	335895	242.294	48.459
11 Bromomethane	94	1.790	1.791	(0.375)	167649	247.170	49.434
12 Chloroethane	64	1.863	1.864	(0.390)	194726	255.127	51.025
13 Trichlorofluoromethane	101	2.057	2.052	(0.431)	378225	266.552	53.310
15 Acrolein	56	2.355	2.356	(0.493)	426713	2651.29	530.26
16 Acetone	43	2.471	2.472	(0.517)	99089	161.536	32.307
17 1,1-Dichloroethene	96	2.459	2.454	(0.515)	290123	249.236	49.847
18 Freon-113	151	2.465	2.466	(0.516)	227597	267.758	53.552
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.635	2.630	(0.552)	949690	211.884	42.377
21 Methylene Chloride	84	2.818	2.819	(0.590)	365588	242.796	48.559

22 Acetonitrile	41	2.684	2.679 (0.562)	408276	2342.33	468.46
23 Acrylonitrile	53	3.000	2.995 (0.628)	1206212	2530.98	506.20

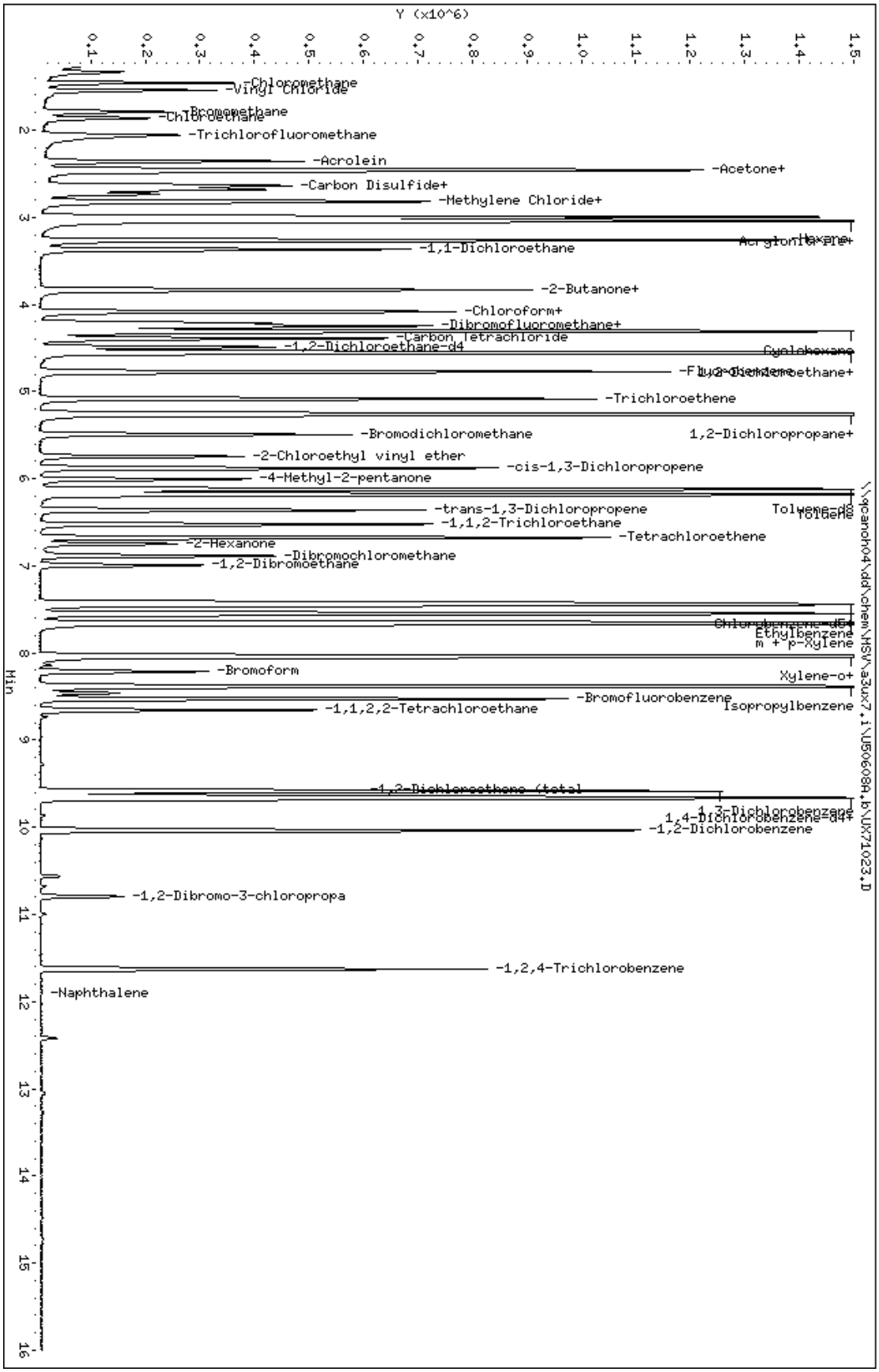
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71023.D
Report Date: 08-Jun-2005 12:28

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	24 Methyl tert-butyl ether	73	3.043	3.044	(0.637)	748856	271.825	54.365
	25 trans-1,2-Dichloroethene	96	3.043	3.038	(0.637)	369596	253.775	50.755
	26 Hexane	86	3.268	3.263	(0.684)	111547	305.220	61.044
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.371	3.366	(0.706)	662143	260.272	52.054
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	3.834	3.835	(0.803)	139466	186.477	37.295
M	31 1,2-Dichloroethene (total)	96				734662	515.540	103.11
	32 cis-1,2-dichloroethene	96	3.834	3.829	(0.803)	365066	261.945	52.389
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.083	4.084	(0.855)	558427	254.700	50.940
	36 Tetrahydrofuran	42	4.077	4.072	(0.854)	21140	38.5055	7.701
	37 1,1,1-Trichloroethane	97	4.247	4.248	(0.889)	450878	262.461	52.492
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.393	4.388	(0.920)	406385	267.632	53.526
	40 1,2-Dichloroethane	62	4.551	4.552	(0.953)	404645	261.167	52.233
	41 Benzene	78	4.551	4.552	(0.953)	1425388	250.269	50.054
	42 Trichloroethene	130	5.081	5.082	(1.064)	366737	263.779	52.756
	43 1,2-Dichloropropane	63	5.263	5.264	(1.102)	351643	255.041	51.008
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.494	5.489	(1.150)	389959	254.902	50.980
	48 cis-1,3-Dichloropropene	75	5.878	5.879	(1.231)	472159	264.997	52.999
	49 4-Methyl-2-pentanone	43	6.005	6.006	(1.257)	290413	245.071	49.014
	47 2-Chloroethyl vinyl ether	63	5.744	5.745	(1.202)	151898	266.620	53.324
	50 Toluene	91	6.182	6.183	(0.833)	1459277	253.783	50.756
	51 trans-1,3-Dichloropropene	75	6.358	6.359	(0.857)	389558	264.410	52.882
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.522	6.524	(0.879)	246105	252.551	50.510
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.675	6.676	(0.899)	271944	255.442	51.088
	56 2-Hexanone	43	6.748	6.749	(0.909)	199797	205.380	41.076
	57 Dibromochloromethane	129	6.887	6.882	(0.928)	250162	249.121	49.824
	58 1,2-Dibromoethane	107	6.997	6.992	(0.943)	234147	255.291	51.058
	59 Chlorobenzene	112	7.447	7.448	(1.003)	861736	248.131	49.626
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.551	7.552	(1.017)	507886	256.179	51.236
	62 m + p-Xylene	106	7.660	7.661	(1.032)	1226362	502.841	100.57
M	63 Xylenes (total)	106				1809484	757.366	151.47
	64 Xylene-o	106	8.031	8.032	(1.082)	583122	254.660	50.932
	65 Styrene	104	8.043	8.038	(1.084)	962307	250.499	50.100
	66 Bromoform	173	8.214	8.215	(1.107)	174130	263.537	52.707
	67 Isopropylbenzene	105	8.384	8.385	(1.129)	1550009	277.672	55.534
	68 1,1,2,2-Tetrachloroethane	83	8.652	8.653	(0.897)	299433	259.132	51.826
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71023.D
Report Date: 08-Jun-2005 12:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.582	9.584	(0.993)	593198	243.419	48.684
81 1,4-Dichlorobenzene	146	9.668	9.669	(1.002)	617924	244.715	48.943
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.039	10.034	(1.040)	551033	242.856	48.571
84 1,2-Dibromo-3-chloropropane	157	10.799	10.794	(1.119)	50483	245.122	49.024
85 1,2,4-Trichlorobenzene	180	11.626	11.628	(1.205)	288605	232.067	46.413
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	11.870	11.865	(1.230)	2541	14.0883	2.818
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.308	4.309	(0.902)	763842	255.281	51.056
143 Methyl Acetate	43	2.732	2.734	(0.572)	243928	247.123	49.424
144 Methylcyclohexane	83	5.257	5.258	(1.101)	680898	260.254	52.051
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					


Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71023.D
Date : 08-JUN-2005 12:06
Client ID:
Sample Info: CHECKDUP
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux7.i
Operator: 2807
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methylene Chloride+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform+
-Dibromofluoromethane+
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o+
-Bromofluorobenzene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Naphthalene
\\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71023.D

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A5F040126 **Work Order #...:** HDDPA1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: A5F100000-402 HDDPA1AD-LCSD
Prep Date.....: 06/09/05 **Analysis Date..:** 06/09/05
Prep Batch #...: 5161402
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 g

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**88**	**(75 - 129)**			**SW846 8260B**
	89	**(75 - 129)**	**0.36**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**88**	**(75 - 127)**			**SW846 8260B**
	88	**(75 - 127)**	**0.54**	**(0-22)**	**SW846 8260B**
1,1-Dichloroethene	**93**	**(55 - 142)**			**SW846 8260B**
	93	**(55 - 142)**	**0.52**	**(0-27)**	**SW846 8260B**
Toluene	**81**	**(71 - 130)**			**SW846 8260B**
	81	**(71 - 130)**	**0.67**	**(0-24)**	**SW846 8260B**
Trichloroethene	**96**	**(70 - 131)**			**SW846 8260B**
	95	**(70 - 131)**	**0.72**	**(0-23)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(59 - 138)
	98	(59 - 138)
1,2-Dichloroethane-d4	88	(61 - 130)
	86	(61 - 130)
Toluene-d8	95	(60 - 143)
	95	(60 - 143)
4-Bromofluorobenzene	96	(47 - 158)
	97	(47 - 158)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A5F040126 **Work Order #...:** HDDPA1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: A5F100000-402 HDDPA1AD-LCSD
Prep Date.....: 06/09/05 **Analysis Date..:** 06/09/05
Prep Batch #...: 5161402
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 g

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**50**	**44**	**ug/kg**	**88**		**SW846 8260B**
	50	**44**	**ug/kg**	**89**	**0.36**	**SW846 8260B**
Chlorobenzene	**50**	**44**	**ug/kg**	**88**		**SW846 8260B**
	50	**44**	**ug/kg**	**88**	**0.54**	**SW846 8260B**
1,1-Dichloroethene	**50**	**46**	**ug/kg**	**93**		**SW846 8260B**
	50	**47**	**ug/kg**	**93**	**0.52**	**SW846 8260B**
Toluene	**50**	**40**	**ug/kg**	**81**		**SW846 8260B**
	50	**41**	**ug/kg**	**81**	**0.67**	**SW846 8260B**
Trichloroethene	**50**	**48**	**ug/kg**	**96**		**SW846 8260B**
	50	**47**	**ug/kg**	**95**	**0.72**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(59 - 138)
	98	(59 - 138)
1,2-Dichloroethane-d4	88	(61 - 130)
	86	(61 - 130)
Toluene-d8	95	(60 - 143)
	95	(60 - 143)
4-Bromofluorobenzene	96	(47 - 158)
	97	(47 - 158)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141848.D
Report Date: 09-Jun-2005 17:48

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141848.D
Lab Smp Id: CHECK
Inj Date : 09-JUN-2005 14:27
Operator : 402279 Inst ID: a3ux14.i
Smp Info : CHECK
Misc Info : R50609A,8260SUX14,,402279,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\8260SUX14.m
Meth Date : 09-Jun-2005 14:35 latat Quant Type: ISTD
Cal Date : 23-MAY-2005 13:36 Cal File: 141308.D
Als bottle: 4 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANPMSV15

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Fluorobenzene	96	4.685	4.686	(1.000)	1920467	250.000	
* 2 Chlorobenzene-d5	117	7.161	7.161	(1.000)	1014490	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.333	9.333	(1.000)	279602	250.000	
$ 4 Dibromofluoromethane	113	4.180	4.180	(0.892)	393251	249.973	49.994
$ 5 1,2-Dichloroethane-d4	65	4.430	4.430	(0.945)	406043	218.968	43.794
$ 6 Toluene-d8	98	5.926	5.926	(0.828)	1665568	236.606	47.321
$ 7 Bromofluorobenzene	95	8.232	8.232	(1.149)	363492	238.995	47.799
8 Dichlorodifluoromethane	85	1.346	1.345	(0.287)	73658	114.799	22.960
9 Chloromethane	50	1.498	1.504	(0.320)	210698	168.192	33.638
10 Vinyl Chloride	62	1.601	1.601	(0.342)	190911	176.821	35.364
11 Bromomethane	94	1.887	1.887	(0.403)	103640	238.340	47.668
12 Chloroethane	64	1.978	1.978	(0.422)	119908	220.111	44.022
13 Trichlorofluoromethane	101	2.167	2.167	(0.463)	265464	206.712	41.342
15 Acrolein	56	2.477	2.477	(0.529)	778010	2566.46	513.29
16 Acetone	43	2.587	2.593	(0.552)	117635	115.336	23.067
17 1,1-Dichloroethene	96	2.556	2.556	(0.546)	329487	231.995	46.399
18 Freon-113	151	2.581	2.574	(0.551)	141653	241.831	48.366
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.727	2.726	(0.582)	1063313	209.352	41.870
21 Methylene Chloride	84	2.909	2.909	(0.621)	492164	224.273	44.854

22 Acetonitrile	41	2.787	2.793 (0.595)	429727	2072.20	414.44
23 Acrylonitrile	53	3.079	3.079 (0.657)	1844684	2318.20	463.64

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141848.D
Report Date: 09-Jun-2005 17:48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	24 Methyl tert-butyl ether	73	3.110	3.110	(0.664)	961982	236.320	47.264
	25 trans-1,2-Dichloroethene	96	3.116	3.116	(0.665)	410787	221.570	44.314
	26 Hexane	86	3.317	3.317	(0.708)	113129	257.469	51.494
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.414	3.414	(0.729)	788374	215.160	43.032(R)
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	3.834	3.834	(0.818)	197545	155.995	31.199
M	31 1,2-Dichloroethene (total)	96				875956	453.109	90.622
	32 cis-1,2-dichloroethene	96	3.834	3.834	(0.818)	465169	231.539	46.308
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.059	4.065	(0.866)	672826	226.929	45.386
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.205	4.211	(0.897)	463753	245.607	49.121
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.333	4.333	(0.925)	402778	256.410	51.282
	40 1,2-Dichloroethane	62	4.485	4.491	(0.957)	530430	229.936	45.987
	41 Benzene	78	4.485	4.485	(0.957)	1743571	220.771	44.154
	42 Trichloroethene	130	4.965	4.965	(1.060)	412066	238.982	47.796
	43 1,2-Dichloropropane	63	5.136	5.136	(1.096)	504366	226.722	45.344
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.349	5.342	(1.142)	468597	246.508	49.302
	47 2-Chloroethyl vinyl ether	63	5.574	5.574	(1.190)	35522	123.436	24.687
	48 cis-1,3-Dichloropropene	75	5.701	5.701	(1.217)	639302	265.511	53.102
	49 4-Methyl-2-pentanone	43	5.817	5.811	(1.241)	377311	209.390	41.878
	50 Toluene	91	5.981	5.981	(0.835)	1691707	202.337	40.467
	51 trans-1,3-Dichloropropene	75	6.152	6.152	(0.859)	489139	207.973	41.594(R)
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.310	6.310	(0.881)	338139	225.555	45.111
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.450	6.450	(0.901)	260305	225.048	45.010
	56 2-Hexanone	43	6.510	6.510	(0.909)	213023	145.866	29.173
	57 Dibromochloromethane	129	6.650	6.650	(0.929)	307650	261.859	52.372
	58 1,2-Dibromoethane	107	6.760	6.760	(0.944)	309752	248.541	49.708
	59 Chlorobenzene	112	7.192	7.192	(1.004)	923718	218.780	43.756
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.283	7.283	(1.017)	499304	228.112	45.622
	62 m + p-Xylene	106	7.387	7.386	(1.031)	1178523	464.667	92.933
M	63 Xylenes (total)	106				1705470	700.547	140.11
	64 Xylene-o	106	7.745	7.745	(1.082)	526947	235.880	47.176
	65 Styrene	104	7.758	7.758	(1.083)	840801	201.436	40.287(R)
	66 Bromoform	173	7.934	7.935	(1.108)	127729	234.541	46.908
	67 Isopropylbenzene	105	8.086	8.086	(1.129)	1163608	237.931	47.586
	68 1,1,2,2-Tetrachloroethane	83	8.354	8.354	(0.895)	269788	260.684	52.137
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

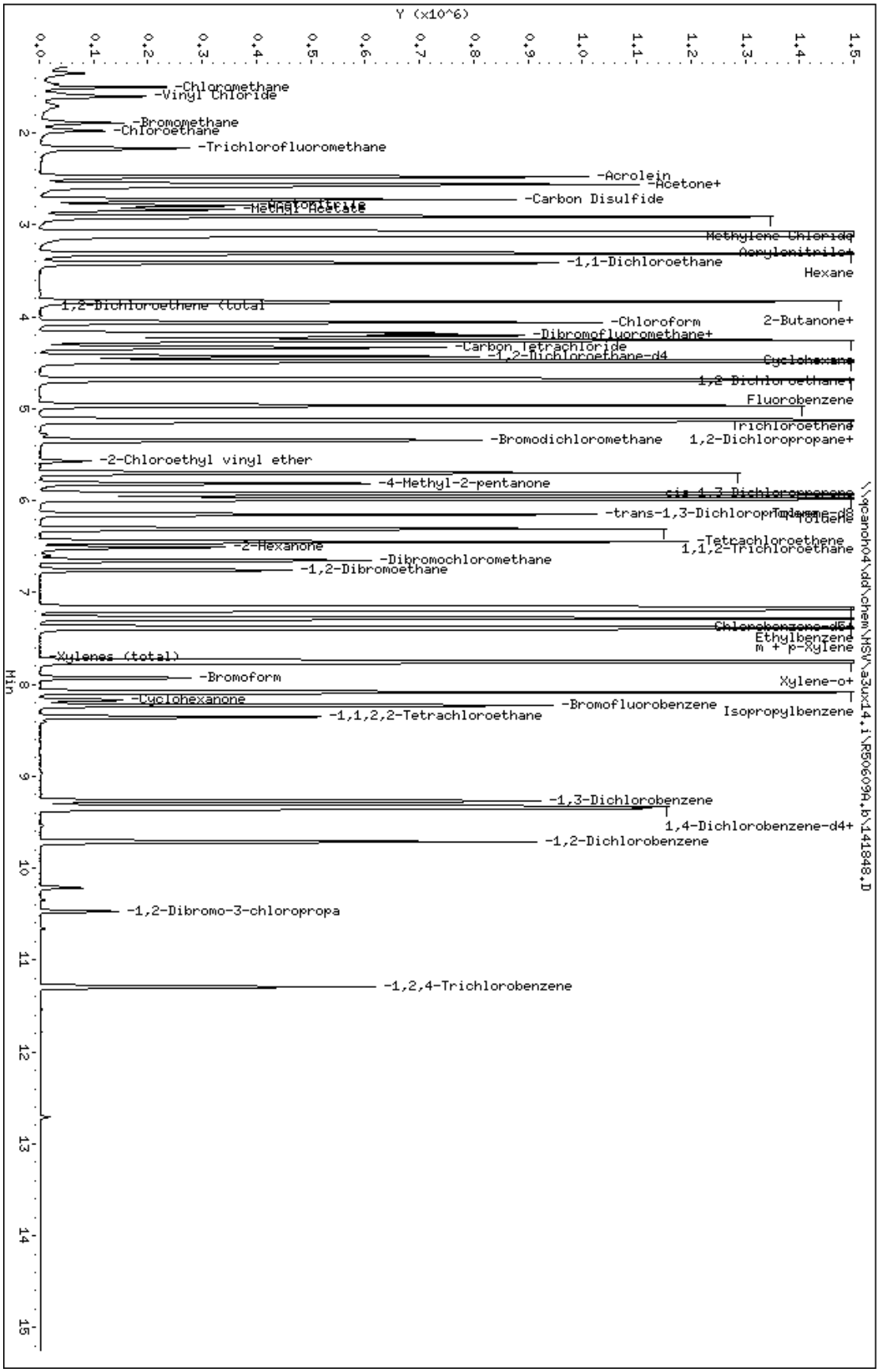
76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141848.D
Report Date: 09-Jun-2005 17:48

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.272	9.266	(0.993)	401948	234.414	46.883
81 1,4-Dichlorobenzene	146	9.352	9.351	(1.002)	416735	224.849	44.970
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	9.717	9.716	(1.041)	385871	224.413	44.883
84 1,2-Dibromo-3-chloropropane	157	10.471	10.471	(1.122)	38004	322.668	64.534
85 1,2,4-Trichlorobenzene	180	11.292	11.292	(1.210)	179944	238.387	47.677
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	5.130	5.202	(1.095)	509445	328.027	65.605
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	8.171	8.171	(0.876)	77360	1133.36	226.67
98 Cyclohexane	56	4.260	4.260	(0.909)	785869	210.826	42.165
143 Methyl Acetate	43	2.836	2.836	(0.605)	352326	209.558	41.912
144 Methylcyclohexane	83	5.123	5.123	(1.093)	730084	237.970	47.594
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.


Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141848.D
Date : 09-JUN-2005 14:27
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux14.i
Operator: 402279
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide
-Methyl Acetate
Methylene Chloride
Acrylonitrile+
-1,1-Dichloroethane
Hexane
1,2-Dichloroethene (total
-Chloroform
2-Butanone+
-Dibromofluoromethane+
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
Cyclohexane
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-4-Methyl-2-pentanone
cis-1,3-Dichloropropene
-trans-1,3-Dichloropropene
Toluene-d8
Toluene
-Tetrachloroethene
-2-Hexanone
1,1,2-Trichloroethane
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene
m + p-Xylene
-Xylenes (total)
-Bromoform
Xylene-o+
-Cyclohexanone
-Bromofluorobenzene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141848.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141849.D
Report Date: 09-Jun-2005 17:49

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141849.D
Lab Smp Id: CHECKDUP
Inj Date : 09-JUN-2005 14:51
Operator : 402279 Inst ID: a3ux14.i
Smp Info : CHECKDUP
Misc Info : R50609A,8260SUX14,,402279,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\8260SUX14.m
Meth Date : 09-Jun-2005 14:35 latat Quant Type: ISTD
Cal Date : 23-MAY-2005 13:36 Cal File: 141308.D
Als bottle: 5 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANPMSV15

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Fluorobenzene	96	4.685	4.686	(1.000)	1929767	250.000	
* 2 Chlorobenzene-d5	117	7.161	7.161	(1.000)	1009236	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.327	9.333	(1.000)	287302	250.000	
$ 4 Dibromofluoromethane	113	4.180	4.180	(0.892)	387080	244.864	48.973
$ 5 1,2-Dichloroethane-d4	65	4.430	4.430	(0.945)	398598	213.918	42.784
$ 6 Toluene-d8	98	5.926	5.926	(0.828)	1671621	238.702	47.740
$ 7 Bromofluorobenzene	95	8.232	8.232	(1.150)	367265	242.733	48.546
8 Dichlorodifluoromethane	85	1.345	1.345	(0.287)	76850	119.196	23.839
9 Chloromethane	50	1.504	1.504	(0.321)	206282	163.874	32.775
10 Vinyl Chloride	62	1.607	1.601	(0.343)	188127	173.403	34.681
11 Bromomethane	94	1.893	1.887	(0.404)	103499	236.869	47.374
12 Chloroethane	64	1.978	1.978	(0.422)	118682	216.811	43.362
13 Trichlorofluoromethane	101	2.167	2.167	(0.462)	265453	205.707	41.141
15 Acrolein	56	2.477	2.477	(0.529)	711622	2336.15	467.23
16 Acetone	43	2.593	2.593	(0.553)	101505	96.7222	19.344
17 1,1-Dichloroethene	96	2.556	2.556	(0.546)	332823	233.215	46.643
18 Freon-113	151	2.580	2.574	(0.551)	142391	241.919	48.384
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.726	2.726	(0.582)	1077010	211.027	42.205
21 Methylene Chloride	84	2.909	2.909	(0.621)	491514	222.811	44.562

22 Acetonitrile	41	2.787	2.793 (0.595)	388454	1864.15	372.83
23 Acrylonitrile	53	3.079	3.079 (0.657)	1640368	2051.50	410.30

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141849.D
Report Date: 09-Jun-2005 17:49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	24 Methyl tert-butyl ether	73	3.110	3.110	(0.664)	926958	226.619	45.324
	25 trans-1,2-Dichloroethene	96	3.116	3.116	(0.665)	409793	219.969	43.994
	26 Hexane	86	3.316	3.317	(0.708)	112048	253.779	50.756
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.414	3.414	(0.729)	795597	216.085	43.217(R)
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	3.834	3.834	(0.818)	169582	133.268	26.654
M	31 1,2-Dichloroethene (total)	96				874794	450.309	90.062
	32 cis-1,2-dichloroethene	96	3.834	3.834	(0.818)	465001	230.340	46.068
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.059	4.065	(0.866)	686351	230.375	46.075
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.205	4.211	(0.897)	466638	245.944	49.189
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.332	4.333	(0.925)	402607	255.066	51.013
	40 1,2-Dichloroethane	62	4.485	4.491	(0.957)	520677	224.621	44.924
	41 Benzene	78	4.485	4.485	(0.957)	1758455	221.583	44.316
	42 Trichloroethene	130	4.965	4.965	(1.060)	411065	237.253	47.450
	43 1,2-Dichloropropane	63	5.135	5.136	(1.096)	502557	224.820	44.964
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.342	5.342	(1.140)	475574	248.973	49.794
	47 2-Chloroethyl vinyl ether	63	5.573	5.574	(1.190)	33336	116.585	23.317
	48 cis-1,3-Dichloropropene	75	5.701	5.701	(1.217)	632509	261.424	52.285
	49 4-Methyl-2-pentanone	43	5.811	5.811	(1.240)	318637	177.324	35.465
	50 Toluene	91	5.981	5.981	(0.835)	1694345	203.707	40.741
	51 trans-1,3-Dichloropropene	75	6.151	6.152	(0.859)	481618	205.889	41.178(R)
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.310	6.310	(0.881)	329110	220.675	44.135
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.449	6.450	(0.901)	256304	222.742	44.548
	56 2-Hexanone	43	6.510	6.510	(0.909)	177468	123.936	24.787(R)
	57 Dibromochloromethane	129	6.650	6.650	(0.929)	295331	252.683	50.536
	58 1,2-Dibromoethane	107	6.760	6.760	(0.944)	294839	237.806	47.561
	59 Chlorobenzene	112	7.192	7.192	(1.004)	923909	219.964	43.993
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.283	7.283	(1.017)	494077	226.899	45.380
	62 m + p-Xylene	106	7.386	7.386	(1.031)	1160748	460.041	92.008
M	63 Xylenes (total)	106				1691587	698.901	139.78
	64 Xylene-o	106	7.745	7.745	(1.082)	530839	238.859	47.772
	65 Styrene	104	7.757	7.758	(1.083)	825608	198.877	39.775(R)
	66 Bromoform	173	7.928	7.935	(1.107)	122864	227.273	45.454
	67 Isopropylbenzene	105	8.086	8.086	(1.129)	1132557	232.788	46.558
	68 1,1,2,2-Tetrachloroethane	83	8.360	8.354	(0.896)	248470	233.651	46.730
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

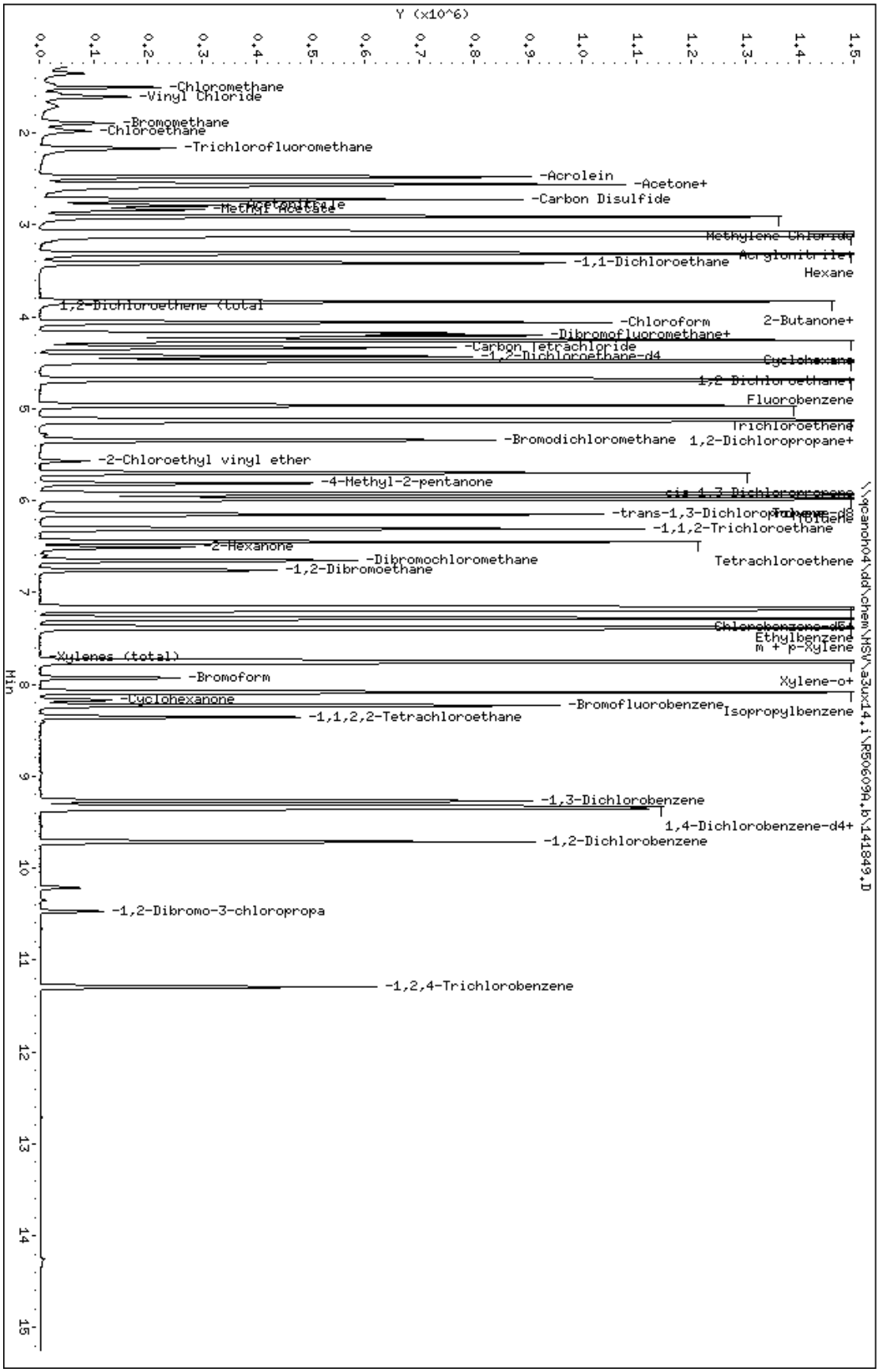
76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141849.D
Report Date: 09-Jun-2005 17:49

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.272	9.266	(0.994)	391184	222.022	44.404
81 1,4-Dichlorobenzene	146	9.357	9.351	(1.003)	414473	217.635	43.527
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	9.716	9.716	(1.042)	385352	218.105	43.621
84 1,2-Dibromo-3-chloropropane	157	10.471	10.471	(1.123)	30503	252.041	50.408
85 1,2,4-Trichlorobenzene	180	11.292	11.292	(1.211)	185245	238.833	47.766
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	8.171	8.171	(0.876)	65076	927.841	185.57
98 Cyclohexane	56	4.253	4.260	(0.908)	782282	208.853	41.770
143 Methyl Acetate	43	2.836	2.836	(0.605)	313140	185.353	37.071
144 Methylcyclohexane	83	5.123	5.123	(1.093)	726302	235.596	47.119
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.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Date : 09-JUN-2005 14:51
Client ID:
Sample Info: CHECKDUP
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux14.i
Operator: 402279
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide
-Methyl Acetate
Methylene Chloride
Acrylonitrile+
-1,1-Dichloroethane
Hexane
1,2-Dichloroethene (total
-Chloroform
2-Butanone+
-Dibromofluoromethane+
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
Cyclohexane
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-4-Methyl-2-pentanone
cis-1,3-Dichloropropene
-trans-1,3-Dichloropropene
Toluene-d8
Toluene
-1,1,2-Trichloroethane
-2-Hexanone
-Dibromochloromethane
Tetrachloroethene
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene
m + p-Xylene
-Xylenes (total)
-Bromoform
Xylene-o+
-Cyclohexanone
-Bromofluorobenzene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141849.D

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A5F040126 **Work Order #...:** HDR2X1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5F170000-046 HDR2X1AD-LCSD
Prep Date.....: 06/16/05 **Analysis Date..:** 06/16/05
Prep Batch #...: 5168046
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**101**	**(80 - 116)**			**SW846 8260B**
	102	**(80 - 116)**	**1.2**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**101**	**(76 - 117)**			**SW846 8260B**
	101	**(76 - 117)**	**0.41**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**105**	**(63 - 130)**			**SW846 8260B**
	108	**(63 - 130)**	**3.0**	**(0-20)**	**SW846 8260B**
Toluene	**103**	**(74 - 119)**			**SW846 8260B**
	102	**(74 - 119)**	**0.91**	**(0-20)**	**SW846 8260B**
Trichloroethene	**106**	**(75 - 122)**			**SW846 8260B**
	110	**(75 - 122)**	**4.1**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(73 - 122)
	108	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
	109	(61 - 128)
Toluene-d8	107	(76 - 110)
	106	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)
	97	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A5F040126 **Work Order #...:** HDR2X1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5F170000-046 HDR2X1AD-LCSD
Prep Date.....: 06/16/05 **Analysis Date..:** 06/16/05
Prep Batch #...: 5168046
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**10**	**10**	**ug/L**	**101**		**SW846 8260B**
	10	**10**	**ug/L**	**102**	**1.2**	**SW846 8260B**
Chlorobenzene	**10**	**10**	**ug/L**	**101**		**SW846 8260B**
	10	**10**	**ug/L**	**101**	**0.41**	**SW846 8260B**
1,1-Dichloroethene	**10**	**10**	**ug/L**	**105**		**SW846 8260B**
	10	**11**	**ug/L**	**108**	**3.0**	**SW846 8260B**
Toluene	**10**	**10**	**ug/L**	**103**		**SW846 8260B**
	10	**10**	**ug/L**	**102**	**0.91**	**SW846 8260B**
Trichloroethene	**10**	**11**	**ug/L**	**106**		**SW846 8260B**
	10	**11**	**ug/L**	**110**	**4.1**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(73 - 122)
	108	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
	109	(61 - 128)
Toluene-d8	107	(76 - 110)
	106	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)
	97	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94191.D
Report Date: 17-Jun-2005 07:06

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94191.D
Lab Smp Id: CHECK
Inj Date : 16-JUN-2005 18:28
Operator : 1819 Inst ID: a3ux9.i
Smp Info : CHECK
Misc Info : N50616B,8260MIUX9,2-8260.SUB,1819,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50616B.b\8260MIUX9.m
Meth Date : 16-Jun-2005 18:20 Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.100	5.097	(1.000)	734334	50.0000	
* 2 Chlorobenzene-d5	117	7.751	7.748	(1.000)	517663	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.987	9.984	(1.000)	199830	50.0000	
$ 4 Dibromofluoromethane	113	4.544	4.541	(0.891)	164391	55.3209	11.064
$ 5 1,2-Dichloroethane-d4	65	4.816	4.825	(0.944)	208275	51.0819	10.216
$ 6 Toluene-d8	98	6.449	6.446	(0.832)	792556	53.7209	10.744
$ 7 Bromofluorobenzene	95	8.851	8.848	(1.142)	257329	48.2995	9.660
8 Dichlorodifluoromethane	85	1.586	1.583	(0.311)	185653	48.6438	9.729
9 Chloromethane	50	1.739	1.748	(0.341)	370727	53.9976	10.800
10 Vinyl Chloride	62	1.822	1.831	(0.357)	289205	56.1628	11.232
11 Bromomethane	94	2.118	2.127	(0.415)	113821	64.2365	12.847
12 Chloroethane	64	2.225	2.210	(0.436)	150045	59.8816	11.976
13 Trichlorofluoromethane	101	2.355	2.352	(0.462)	225378	52.9732	10.595
15 Acrolein	56	2.674	2.671	(0.524)	365415	542.417	108.48(A)
16 Acetone	43	2.793	2.790	(0.548)	74244	29.7307	5.946
17 1,1-Dichloroethene	61	2.769	2.766	(0.543)	339598	52.4001	10.480
18 Freon-113	151	2.828	2.837	(0.555)	126812	51.0927	10.218
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.958	2.955	(0.580)	623864	51.5324	10.306
21 Methylene Chloride	84	3.148	3.145	(0.617)	211766	48.3180	9.664

22 Acetonitrile	41	3.017	3.014 (0.592)	305087	471.671	94.334(A)
23 Acrylonitrile	53	3.325	3.322 (0.652)	800407	498.726	99.745(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94191.D
Report Date: 17-Jun-2005 07:06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.361	3.358	(0.659)	450781	48.2052	9.641
	25 trans-1,2-Dichloroethene	61	3.372	3.369	(0.661)	347635	52.8502	10.570
	26 Hexane	57	3.585	3.582	(0.703)	441508	55.8208	11.164
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.704	3.701	(0.726)	415836	51.9281	10.386
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.153	4.162	(0.814)	96373	35.3997	7.080
M	31 1,2-Dichloroethene (total)	61				669533	99.0502	19.810
	32 cis-1,2-dichloroethene	61	4.165	4.162	(0.817)	321898	46.1999	9.240
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.414	4.411	(0.865)	309950	50.6827	10.136
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.579	4.576	(0.898)	247613	50.8416	10.168
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.721	4.718	(0.926)	205034	52.5925	10.518
	40 1,2-Dichloroethane	62	4.887	4.884	(0.958)	283291	50.4613	10.092
	41 Benzene	78	4.875	4.884	(0.956)	864138	50.6001	10.120
	42 Trichloroethene	130	5.408	5.405	(1.060)	210032	52.9047	10.581
	43 1,2-Dichloropropane	63	5.597	5.594	(1.097)	245478	51.7653	10.353
	44 1,4-Dioxane	88	5.703	5.700	(1.118)	10097	301.767	60.353(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.822	5.819	(1.142)	206392	48.7672	9.753
	48 cis-1,3-Dichloropropene	75	6.200	6.197	(1.216)	274121	43.0031	8.601
	49 4-Methyl-2-pentanone	43	6.319	6.316	(1.239)	203285	45.1637	9.033
	50 Toluene	91	6.508	6.505	(0.840)	942236	51.6556	10.331
	51 trans-1,3-Dichloropropene	75	6.674	6.683	(0.861)	225629	48.2439	9.649
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.851	6.848	(0.884)	159747	51.3769	10.275
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.005	7.002	(0.904)	172555	53.9813	10.796
	56 2-Hexanone	43	7.052	7.061	(0.910)	123124	29.9393	5.988
	57 Dibromochloromethane	129	7.218	7.215	(0.931)	134074	45.6415	9.128
	58 1,2-Dibromoethane	107	7.325	7.322	(0.945)	139445	51.0188	10.204
	59 Chlorobenzene	112	7.774	7.771	(1.003)	579079	50.4678	10.094
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	7.869	7.866	(1.015)	1031225	51.4732	10.295
	62 m + p-Xylene	91	7.975	7.972	(1.029)	1576226	100.831	20.166
M	63 Xylenes (total)	91				2347152	149.764	29.953
	64 Xylene-o	91	8.354	8.351	(1.078)	770926	48.9332	9.787
	65 Styrene	104	8.366	8.363	(1.079)	556328	44.2418	8.848
	66 Bromoform	173	8.543	8.552	(1.102)	66918	41.3758	8.275
	67 Isopropylbenzene	105	8.697	8.706	(1.122)	965379	52.6922	10.538
	68 1,1,2,2-Tetrachloroethane	83	8.981	8.978	(0.899)	180572	54.3734	10.875
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

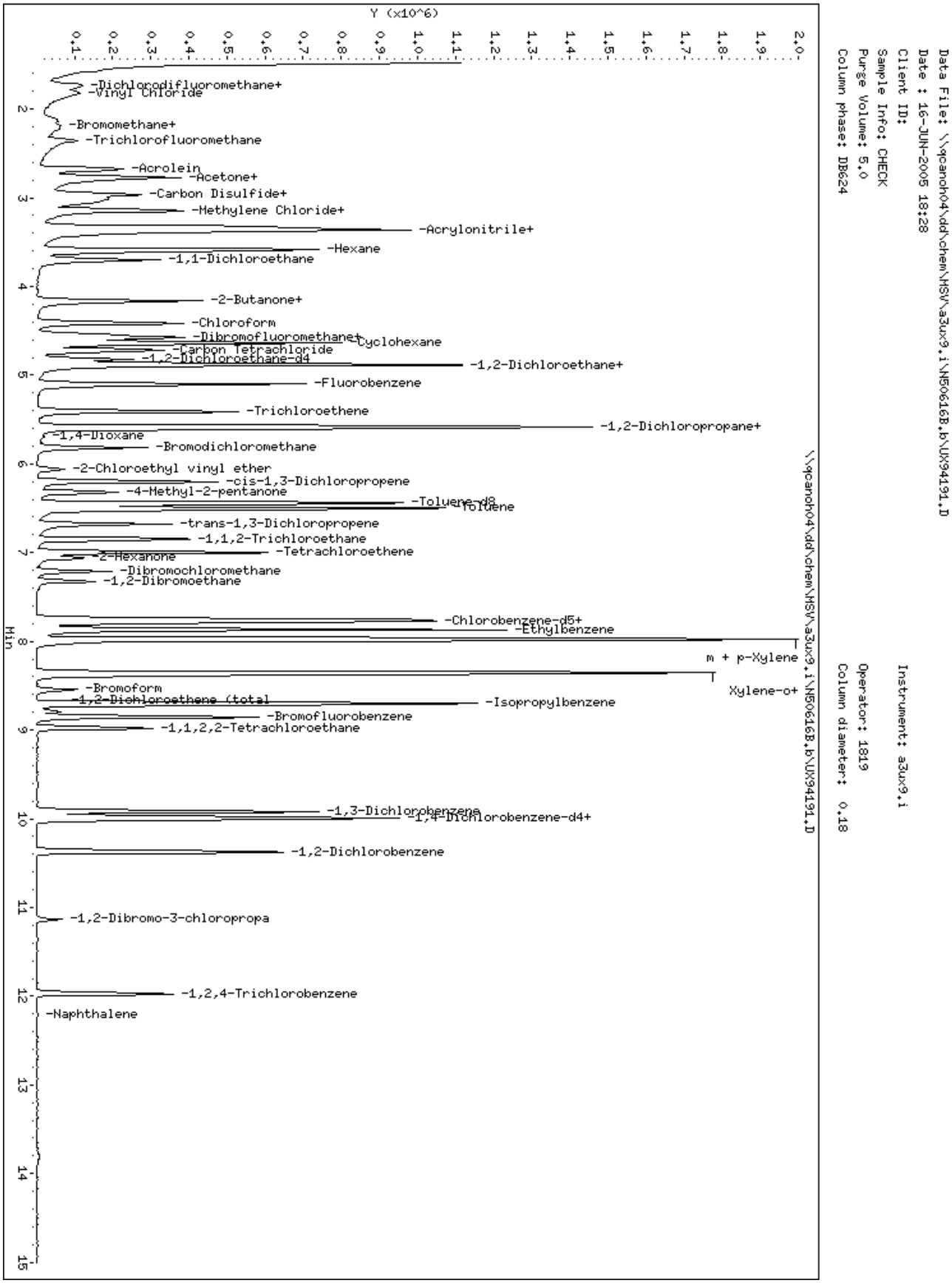
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94191.D
Report Date: 17-Jun-2005 07:06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.916	9.925	(0.993)	360528	51.1754	10.235
81 1,4-Dichlorobenzene	146	10.011	10.008	(1.002)	373276	52.5247	10.505
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.377	10.374	(1.039)	332266	50.3553	10.071
84 1,2-Dibromo-3-chloropropane	157	11.147	11.144	(1.116)	18690	46.7096	9.342
85 1,2,4-Trichlorobenzene	180	11.975	11.972	(1.199)	134410	41.9643	8.393
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	12.223	12.208	(1.224)	3496	4.86432	0.9729
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.638	4.636	(0.910)	485252	48.7287	9.746
143 Methyl Acetate	43	3.053	3.050	(0.599)	163702	48.3344	9.667
144 Methylcyclohexane	83	5.585	5.582	(1.095)	391386	50.3465	10.069
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
47 2-Chloroethyl vinyl ether	63	6.058	6.055	(1.188)	34596	33.2796	6.656

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 16-JUN-2005 18:28
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-Ethylbenzene
m + p-Xylene
Xylene-o+
-Bromoform
-1,2-Dichloroethene (total
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Naphthalene
\\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94191.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94193.D
Report Date: 17-Jun-2005 07:08

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94193.D
Lab Smp Id: CHECK
Inj Date : 16-JUN-2005 19:12
Operator : 1819 Inst ID: a3ux9.i
Smp Info : CHECK
Misc Info : N50616B,8260MIUX9,2-8260.SUB,1819,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50616B.b\8260MIUX9.m
Meth Date : 16-Jun-2005 18:20 Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 5 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.098	5.097	(1.000)	710797	50.0000	
* 2 Chlorobenzene-d5	117	7.749	7.748	(1.000)	506284	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.985	9.984	(1.000)	205056	50.0000	
$ 4 Dibromofluoromethane	113	4.542	4.541	(0.891)	154723	53.7915	10.758
$ 5 1,2-Dichloroethane-d4	65	4.826	4.825	(0.947)	214292	54.2980	10.860
$ 6 Toluene-d8	98	6.447	6.446	(0.832)	763630	52.9236	10.585
$ 7 Bromofluorobenzene	95	8.849	8.848	(1.142)	252626	48.4825	9.696
8 Dichlorodifluoromethane	85	1.584	1.583	(0.311)	178039	48.2089	9.642
9 Chloromethane	50	1.738	1.748	(0.341)	370274	55.7175	11.144
10 Vinyl Chloride	62	1.821	1.831	(0.357)	274115	54.9951	10.999
11 Bromomethane	94	2.116	2.127	(0.415)	111022	64.7316	12.946
12 Chloroethane	64	2.211	2.210	(0.434)	151142	62.4191	12.484
13 Trichlorofluoromethane	101	2.365	2.352	(0.464)	209495	50.9114	10.182
15 Acrolein	56	2.673	2.671	(0.524)	335022	513.770	102.75(A)
16 Acetone	43	2.803	2.790	(0.550)	75490	31.2306	6.246
17 1,1-Dichloroethene	61	2.767	2.766	(0.543)	338699	53.9919	10.798
18 Freon-113	151	2.815	2.837	(0.552)	137884	57.3932	11.479
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.957	2.955	(0.580)	613732	52.3742	10.475
21 Methylene Chloride	84	3.146	3.145	(0.617)	207664	49.0009	9.800

22 Acetonitrile	41	3.016	3.014 (0.592)	290443	463.900	92.780(A)
23 Acrylonitrile	53	3.323	3.322 (0.652)	777019	500.185	100.04(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94193.D
Report Date: 17-Jun-2005 07:08

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.359	3.358	(0.659)	437152	48.2957	9.659
	25 trans-1,2-Dichloroethene	61	3.371	3.369	(0.661)	332069	52.1555	10.431
	26 Hexane	57	3.584	3.582	(0.703)	425932	55.6347	11.127
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.702	3.701	(0.726)	405941	52.3710	10.474
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.163	4.162	(0.817)	94333	35.7978	7.160
M	31 1,2-Dichloroethene (total)	61				637433	97.4337	19.487
	32 cis-1,2-dichloroethene	61	4.163	4.162	(0.817)	305364	45.2782	9.056
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.412	4.411	(0.865)	299894	50.6622	10.132
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.578	4.576	(0.898)	236057	50.0738	10.015
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.720	4.718	(0.926)	199989	52.9971	10.599
	40 1,2-Dichloroethane	62	4.885	4.884	(0.958)	275377	50.6759	10.135
	41 Benzene	78	4.885	4.884	(0.958)	846239	51.1929	10.238
	42 Trichloroethene	130	5.406	5.405	(1.060)	211905	55.1440	11.029
	43 1,2-Dichloropropane	63	5.595	5.594	(1.097)	240265	52.3437	10.469
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.820	5.819	(1.142)	202799	49.5049	9.901
	48 cis-1,3-Dichloropropene	75	6.199	6.197	(1.216)	272748	44.1475	8.830
	49 4-Methyl-2-pentanone	43	6.317	6.316	(1.239)	196015	44.9906	8.998
	50 Toluene	91	6.506	6.505	(0.840)	913138	51.1855	10.237
	51 trans-1,3-Dichloropropene	75	6.684	6.683	(0.863)	213954	46.7758	9.355
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.850	6.848	(0.884)	151561	49.8397	9.968
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.003	7.002	(0.904)	164780	52.7076	10.542
	56 2-Hexanone	43	7.062	7.061	(0.911)	120596	29.9880	5.998
	57 Dibromochloromethane	129	7.216	7.215	(0.931)	127614	44.4751	8.895
	58 1,2-Dibromoethane	107	7.323	7.322	(0.945)	137255	51.3462	10.269
	59 Chlorobenzene	112	7.772	7.771	(1.003)	564047	50.2626	10.052
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	7.867	7.866	(1.015)	1004434	51.2627	10.252
	62 m + p-Xylene	91	7.974	7.972	(1.029)	1554981	101.708	20.342
M	63 Xylenes (total)	91				2315846	151.088	30.218
	64 Xylene-o	91	8.352	8.351	(1.078)	760865	49.3800	9.876
	65 Styrene	104	8.364	8.363	(1.079)	550139	44.6981	8.940
	66 Bromoform	173	8.542	8.552	(1.102)	63780	40.4201	8.084
	67 Isopropylbenzene	105	8.707	8.706	(1.124)	935174	52.1908	10.438
	68 1,1,2,2-Tetrachloroethane	83	8.979	8.978	(0.899)	168747	49.5177	9.904
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

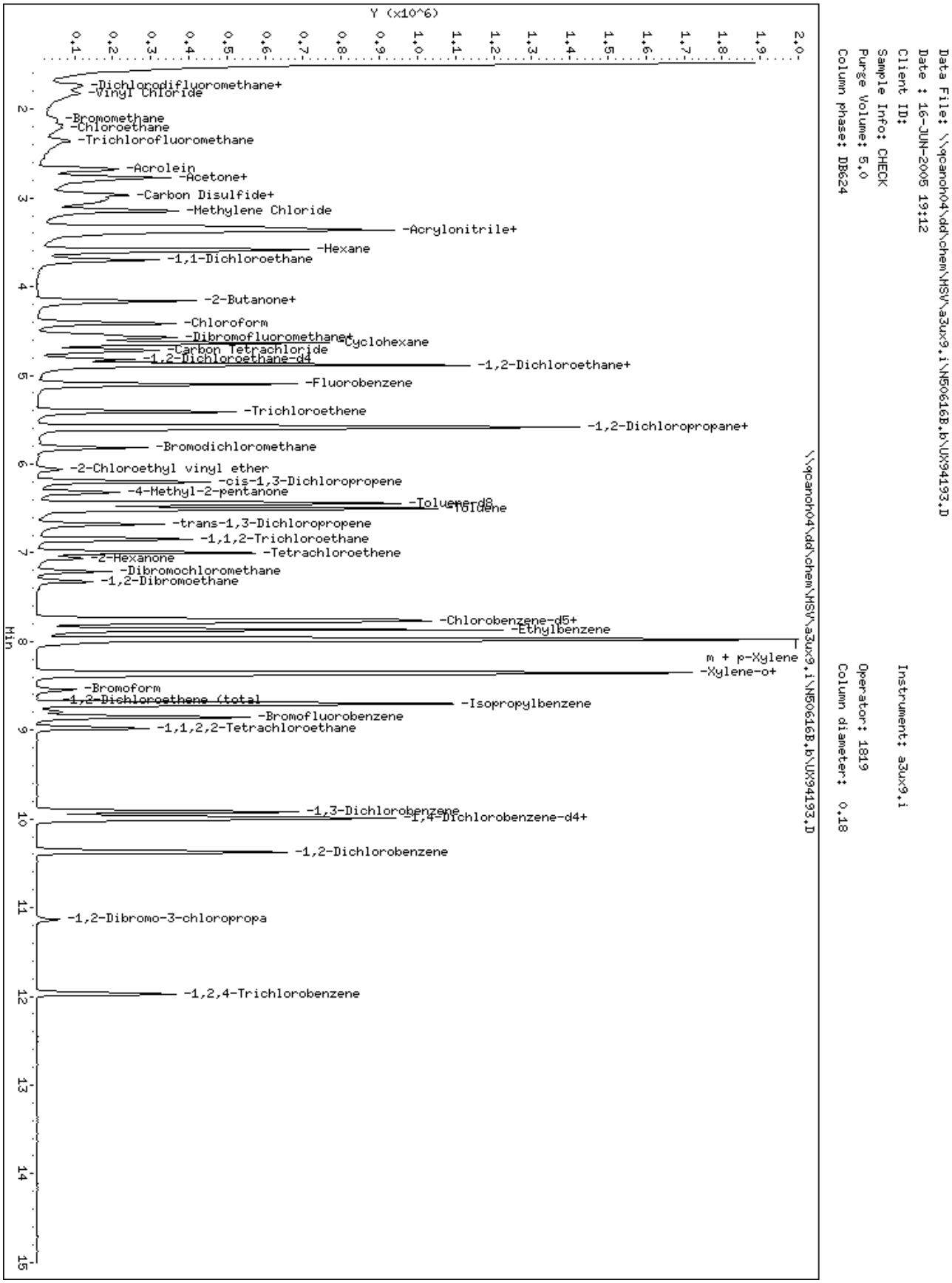
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94193.D
Report Date: 17-Jun-2005 07:08

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.914	9.925	(0.993)	352722	48.7914	9.758
81 1,4-Dichlorobenzene	146	10.009	10.008	(1.002)	366218	50.2182	10.044
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.376	10.374	(1.039)	332856	49.1591	9.832
84 1,2-Dibromo-3-chloropropane	157	11.133	11.144	(1.115)	17026	41.4665	8.293
85 1,2,4-Trichlorobenzene	180	11.973	11.972	(1.199)	136212	41.4431	8.289
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.637	4.636	(0.909)	455031	47.2070	9.441
143 Methyl Acetate	43	3.051	3.050	(0.599)	161613	49.2977	9.860
144 Methylcyclohexane	83	5.583	5.582	(1.095)	365215	48.5356	9.707
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
47 2-Chloroethyl vinyl ether	63	6.057	6.055	(1.188)	32157	32.2697	6.454

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 16-JUN-2005 19:12
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methylene Chloride
-Acrylonitrile+
-Hexane
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-Ethylbenzene
m + p-Xylene
-Xylene-o+
-Bromoform
-1,2-Dichloroethene (total
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94193.D

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5F040126 **Work Order #...:** HC9LR1AA **Matrix.....:** SOLID
MB Lot-Sample #: A5F090000-311

Prep Date.....: 06/08/05 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 06/08/05 **Prep Batch #...:** 5160311
Dilution Factor: 1 **Initial Wgt/Vol:** 5 g

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	20	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	5.0	ug/kg	SW846 8260B
2-Butanone	ND	20	ug/kg	SW846 8260B
Carbon disulfide	**0.41 J**	**5.0**	**ug/kg**	**SW846 8260B**
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	5.0	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Chloromethane	ND	5.0	ug/kg	SW846 8260B
Cyclohexane	ND	10	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	20	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
Methyl acetate	ND	10	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
Methylcyclohexane	ND	10	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	20	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	20	ug/kg	SW846 8260B
Styrene	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5F040126 **Work Order #...:** HC9LR1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,4-Trichloro-benzene	**0.75 J**	**5.0**	**ug/kg**	**SW846 8260B**
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0	ug/kg	SW846 8260B
Vinyl chloride	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	10	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(59 - 138)
1,2-Dichloroethane-d4	92	(61 - 130)
Toluene-d8	87	(60 - 143)
4-Bromofluorobenzene	83	(47 - 158)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71024.D
Report Date: 08-Jun-2005 12:29

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71024.D
Lab Smp Id: VBLK
Inj Date : 08-JUN-2005 12:31
Operator : 2807 Inst ID: a3ux7.i
Smp Info : VBLK,5G/5ML
Misc Info : U50608A,8260SUX7,1-8260.SUB,2807,3,,BLANK,,0
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U50608A.b\8260SUX7.m
Meth Date : 08-Jun-2005 10:36 macenczaks Quant Type: ISTD
Cal Date : 04-JUN-2005 18:06 Cal File: UX70952.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Fluorobenzene	96	4.775	4.771	(1.000)	1026498	250.000	
* 2 Chlorobenzene-d5	117	7.422	7.418	(1.000)	685484	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.648	9.650	(1.000)	294225	250.000	
$ 4 Dibromofluoromethane	113	4.216	4.212	(0.883)	239785	229.080	45.816
$ 5 1,2-Dichloroethane-d4	65	4.489	4.492	(0.940)	272892	229.193	45.839
$ 6 Toluene-d8	98	6.120	6.122	(1.282)	982989	217.981	43.596
$ 7 Bromofluorobenzene	95	8.529	8.525	(1.149)	336247	208.462	41.692
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.640	2.630	(0.553)	8823	2.04992	0.4100(R)
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	2.689	2.679 (0.563)	5858	34.9984	7.000
23 Acrylonitrile	53	3.011	2.995 (0.631)	6443	14.0786	2.816
24 Methyl tert-butyl ether	73	Compound Not Detected.				

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71024.D
Report Date: 08-Jun-2005 12:29

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.082	4.072	(0.855)	14883	23.6062	4.721
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

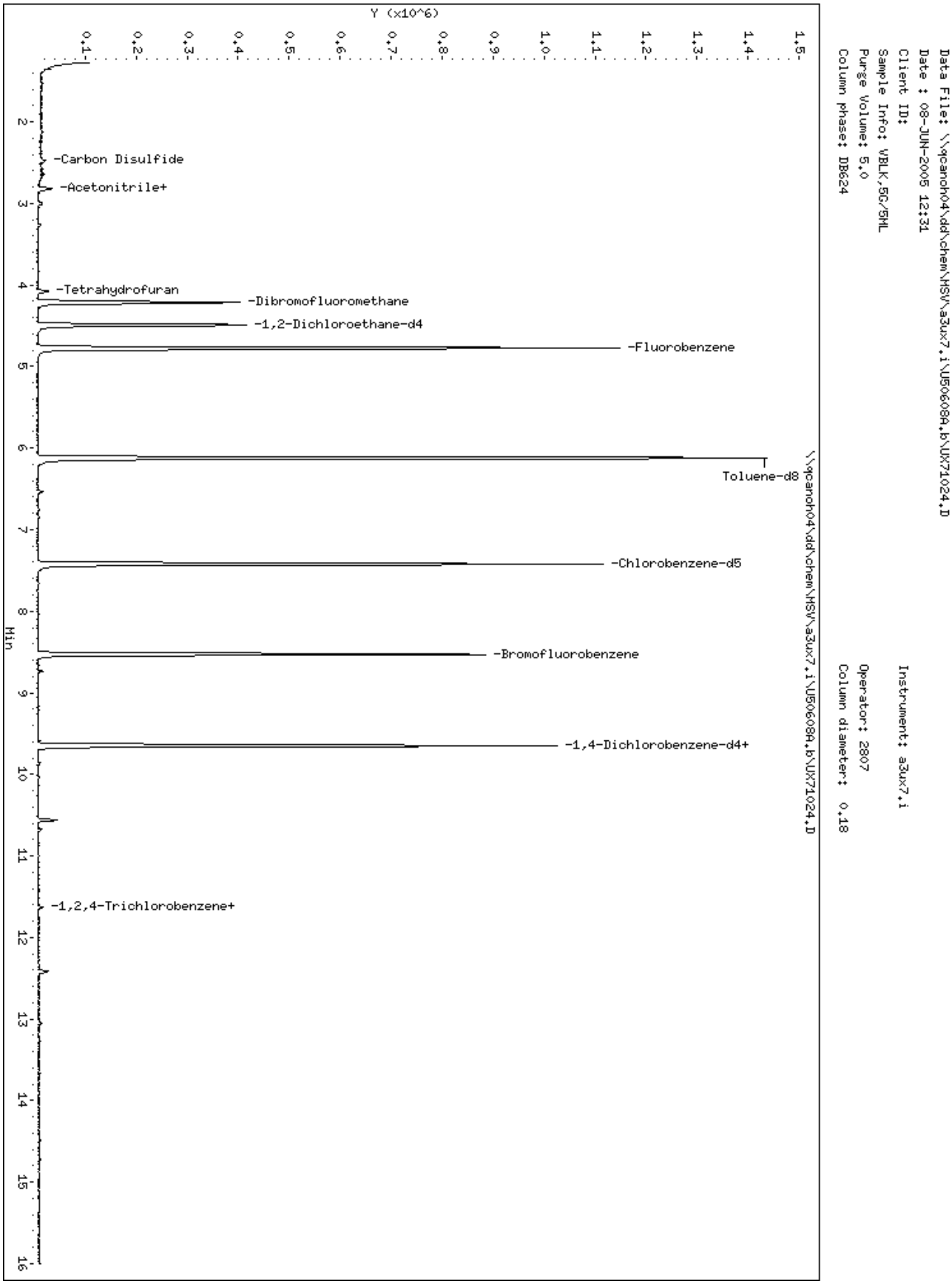
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71024.D
Report Date: 08-Jun-2005 12:29

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	9.666	9.669	(1.002)	2650	1.16344	0.2327
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.625	11.628	(1.205)	4195	3.73949	0.7479
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	11.863	11.865	(1.230)	776	13.6280	2.726
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.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Date : 08-JUN-2005 12:31
Client ID:
Sample Info: VBLK,5G/5ML
Purge Volume: 5.0
Column Phase: DB624
Instrument: a3ux7.i
Operator: 2807
Column diameter: 0.18
Y (x10^6)
-Carbon Disulfide
-Acetonitrile+
-Tetrahydrofuran
-Dibromofluoromethane
-1,2-Dichloroethane-d4
-Fluorobenzene
Toluene-d8
-Chlorobenzene-d5
-Bromofluorobenzene
-1,4-Dichlorobenzene-d4+
-1,2,4-Trichlorobenzene+
Min
\\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71024.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50608A.b\UX71024.D

Date : 08-JUN-2005 12:31

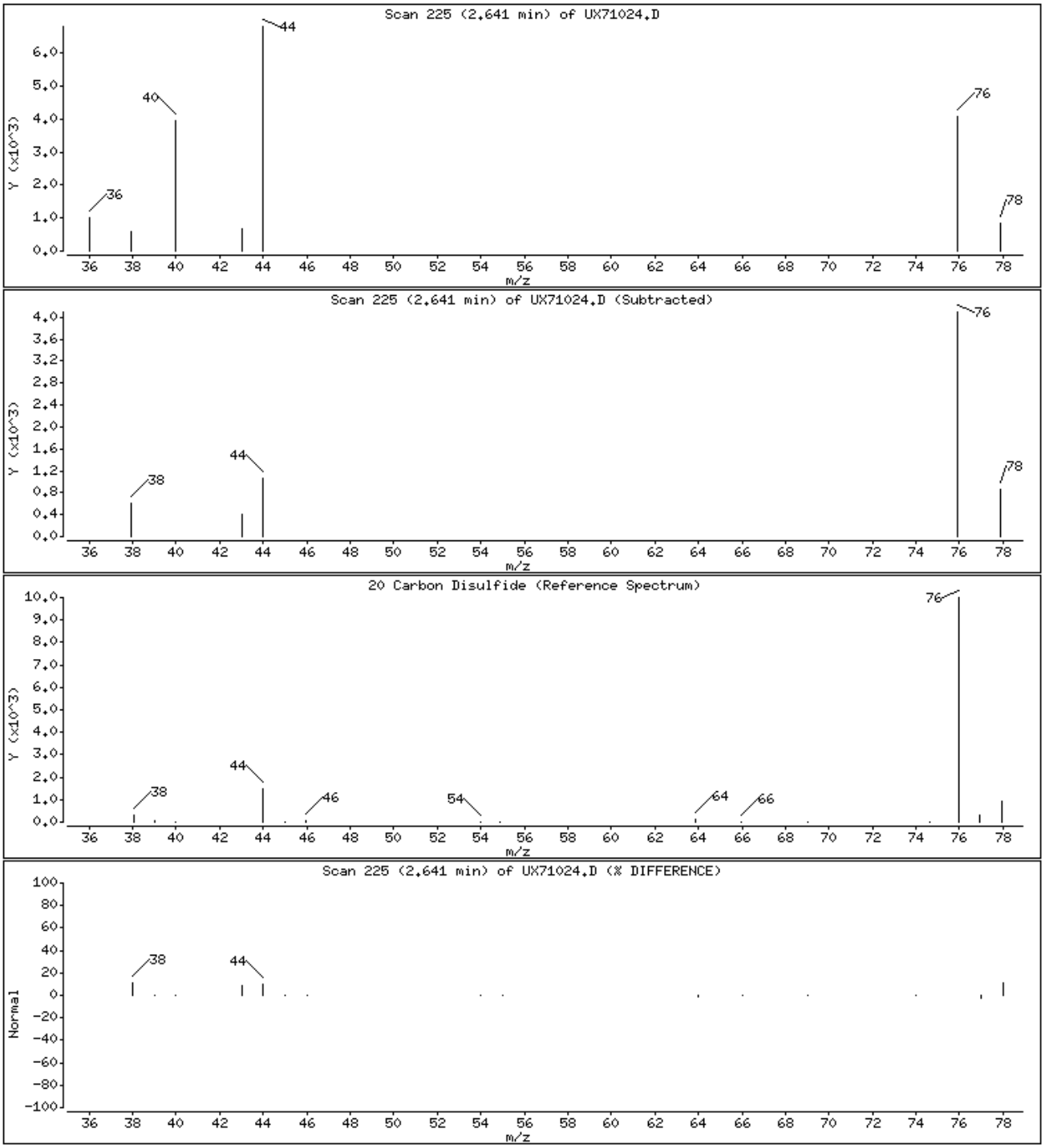
Client ID: Instrument: a3ux7.i

Sample Info: VBLK,5G/5ML

Purge Volume: 5.0 Operator: 2807

Column phase: DB624 Column diameter: 0.18

20 Carbon Disulfide Concentration: 0.4100 UG/KG



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Date : 08-JUN-2005 12:31

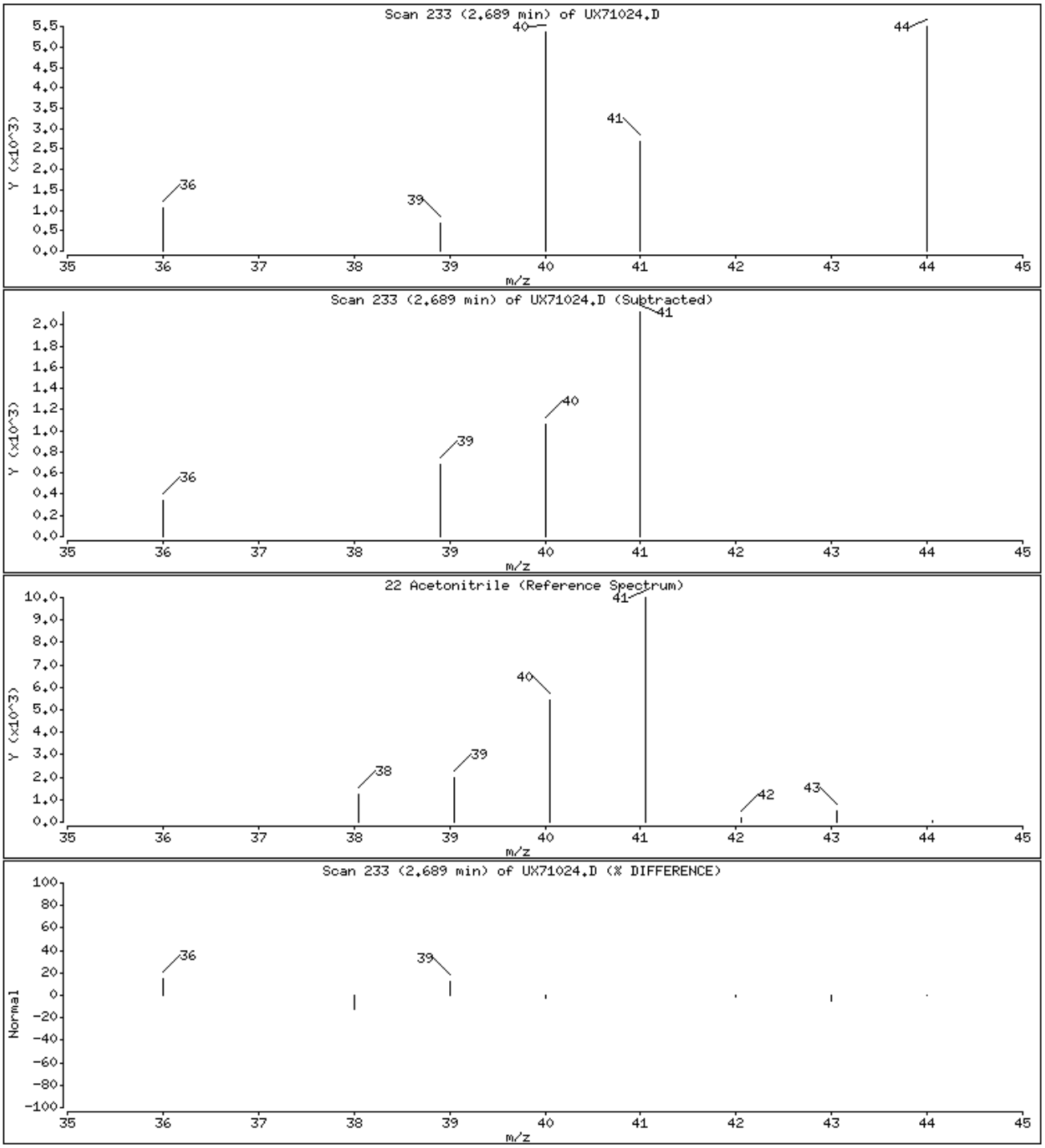
Client ID: Instrument: a3ux7.i

Sample Info: VBLK,5G/5ML

Purge Volume: 5.0 Operator: 2807

Column phase: DB624 Column diameter: 0.18

22 Acetonitrile Concentration: 7.000 UG/KG



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Date : 08-JUN-2005 12:31

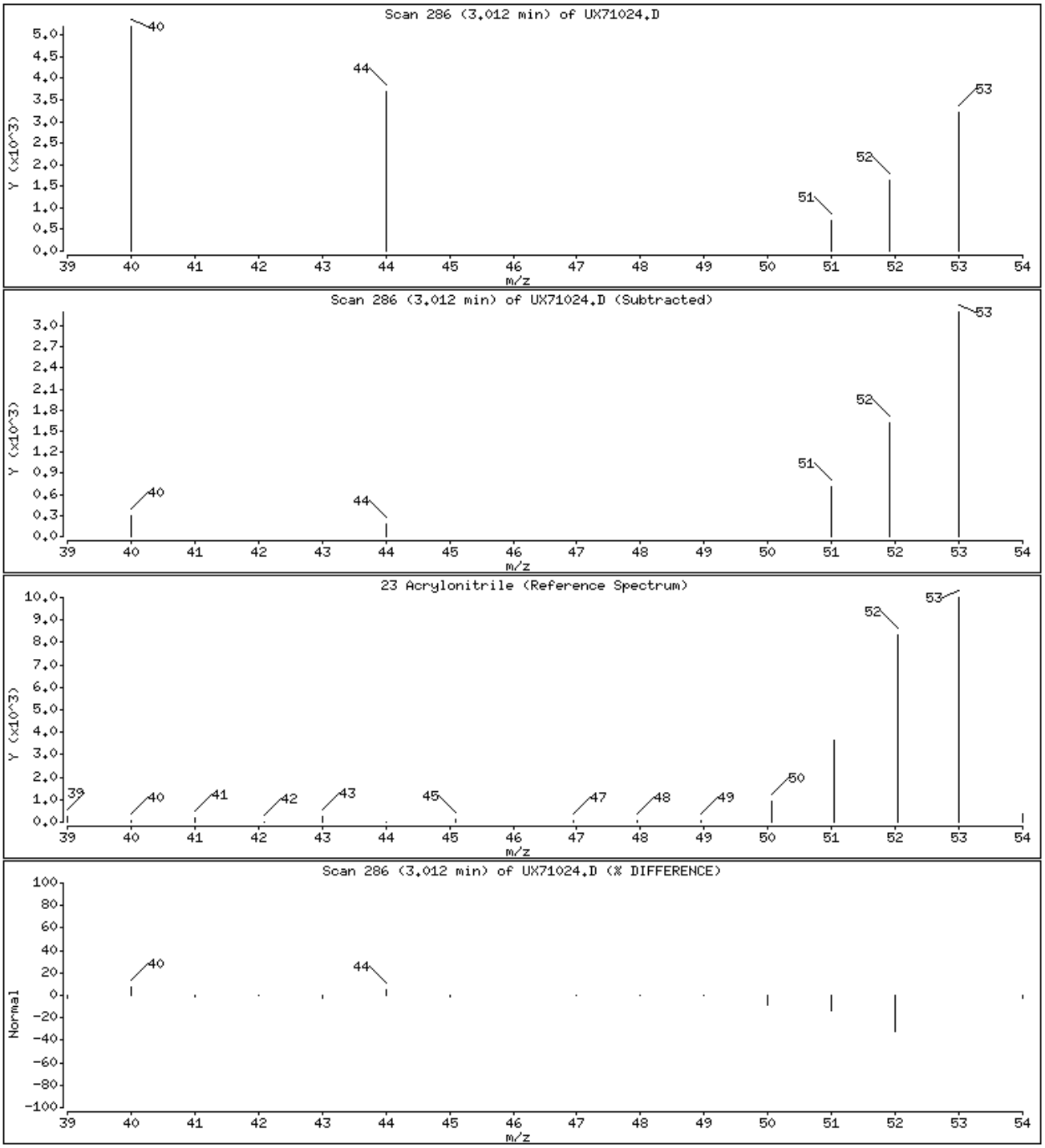
Client ID: Instrument: a3ux7.i

Sample Info: VBLK,5G/5ML

Purge Volume: 5.0 Operator: 2807

Column phase: DB624 Column diameter: 0.18

23 Acrylonitrile Concentration: 2.816 UG/KG



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Date : 08-JUN-2005 12:31

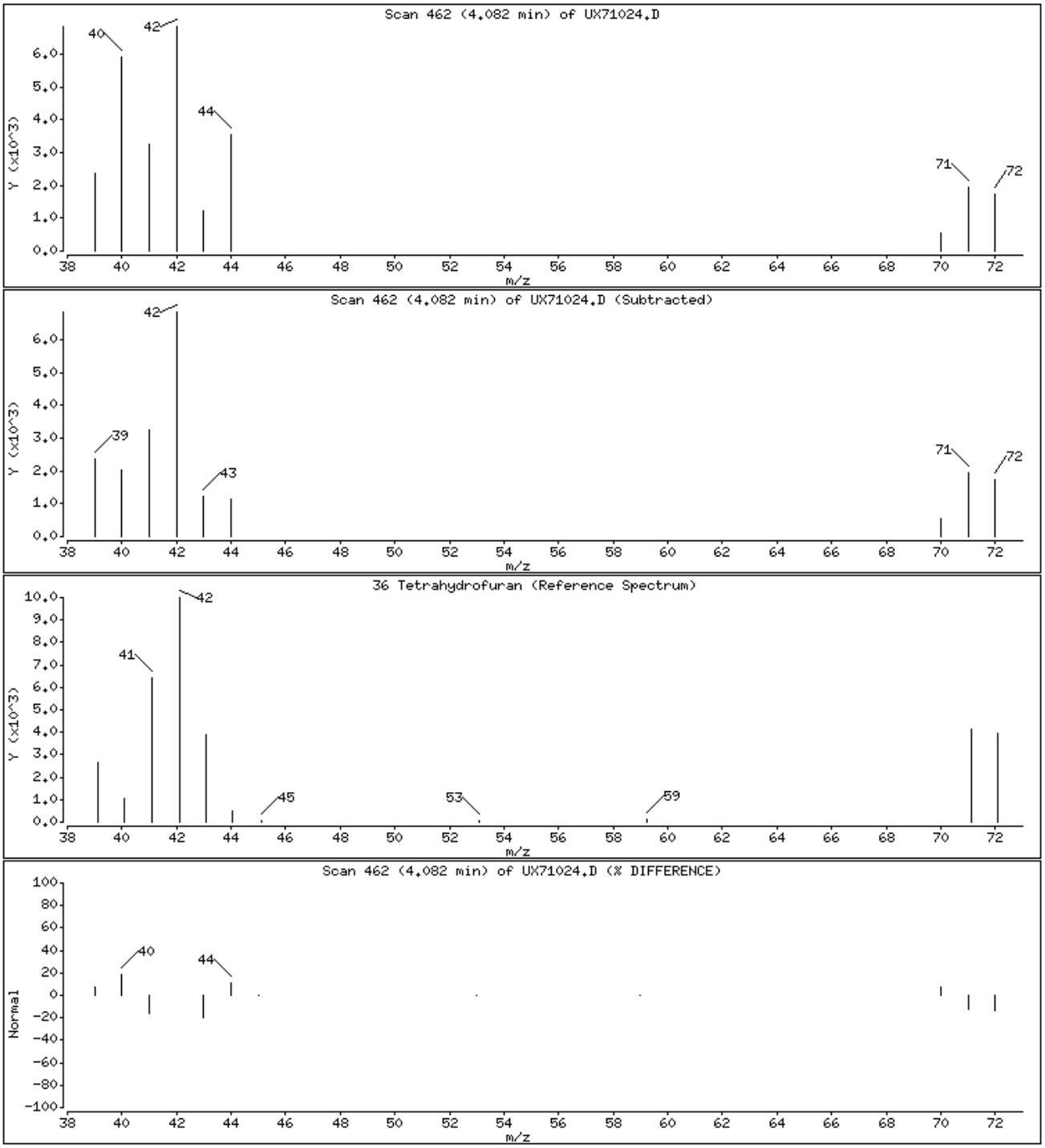
Client ID: Instrument: a3ux7.i

Sample Info: VBLK,5G/5ML

Purge Volume: 5.0 Operator: 2807

Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 4.721 UG/KG



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Date : 08-JUN-2005 12:31

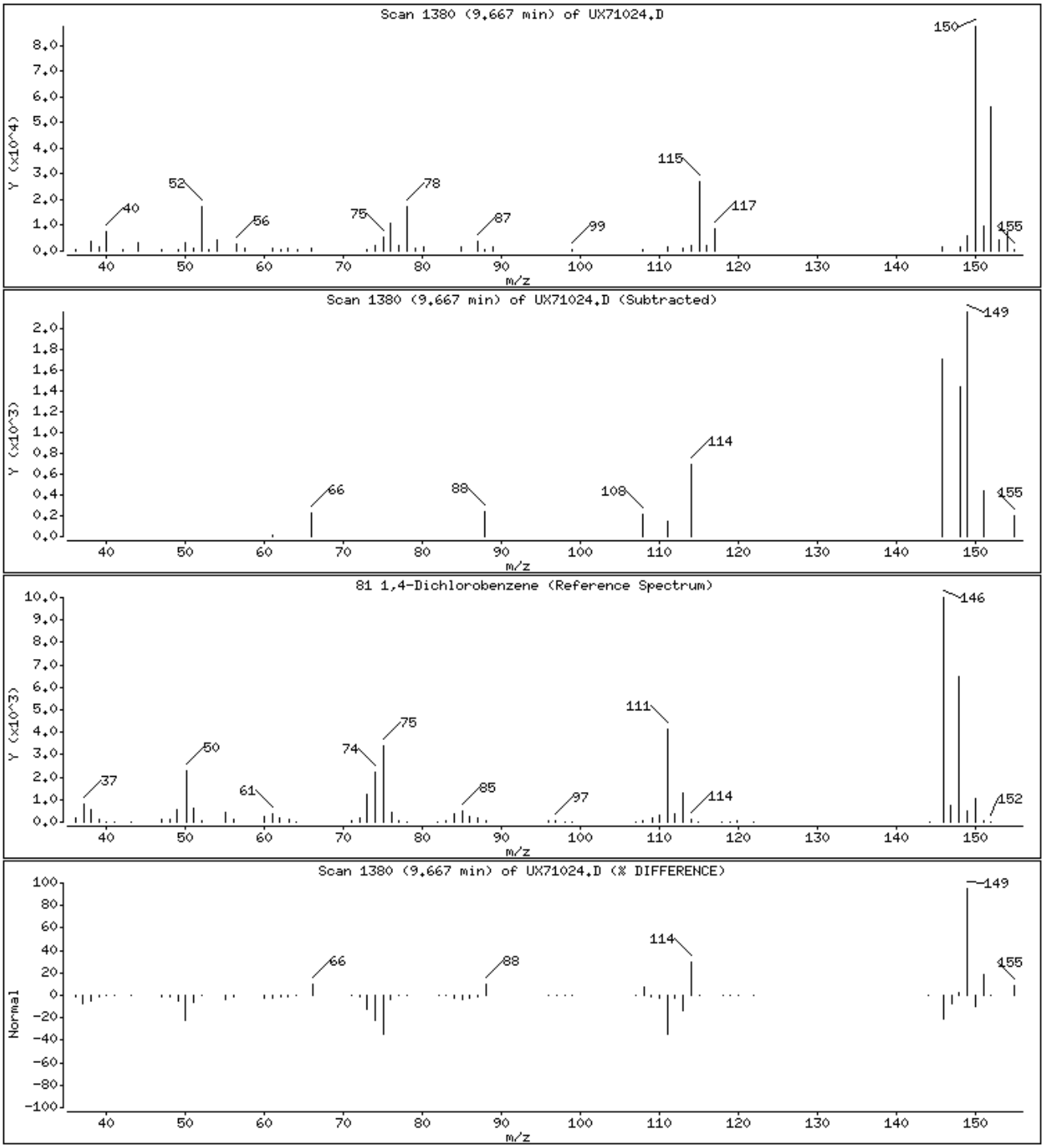
Client ID: Instrument: a3ux7.i

Sample Info: VBLK,5G/5ML

Purge Volume: 5.0 Operator: 2807

Column phase: DB624 Column diameter: 0.18

81 1,4-Dichlorobenzene Concentration: 0.2327 UG/KG



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Date : 08-JUN-2005 12:31

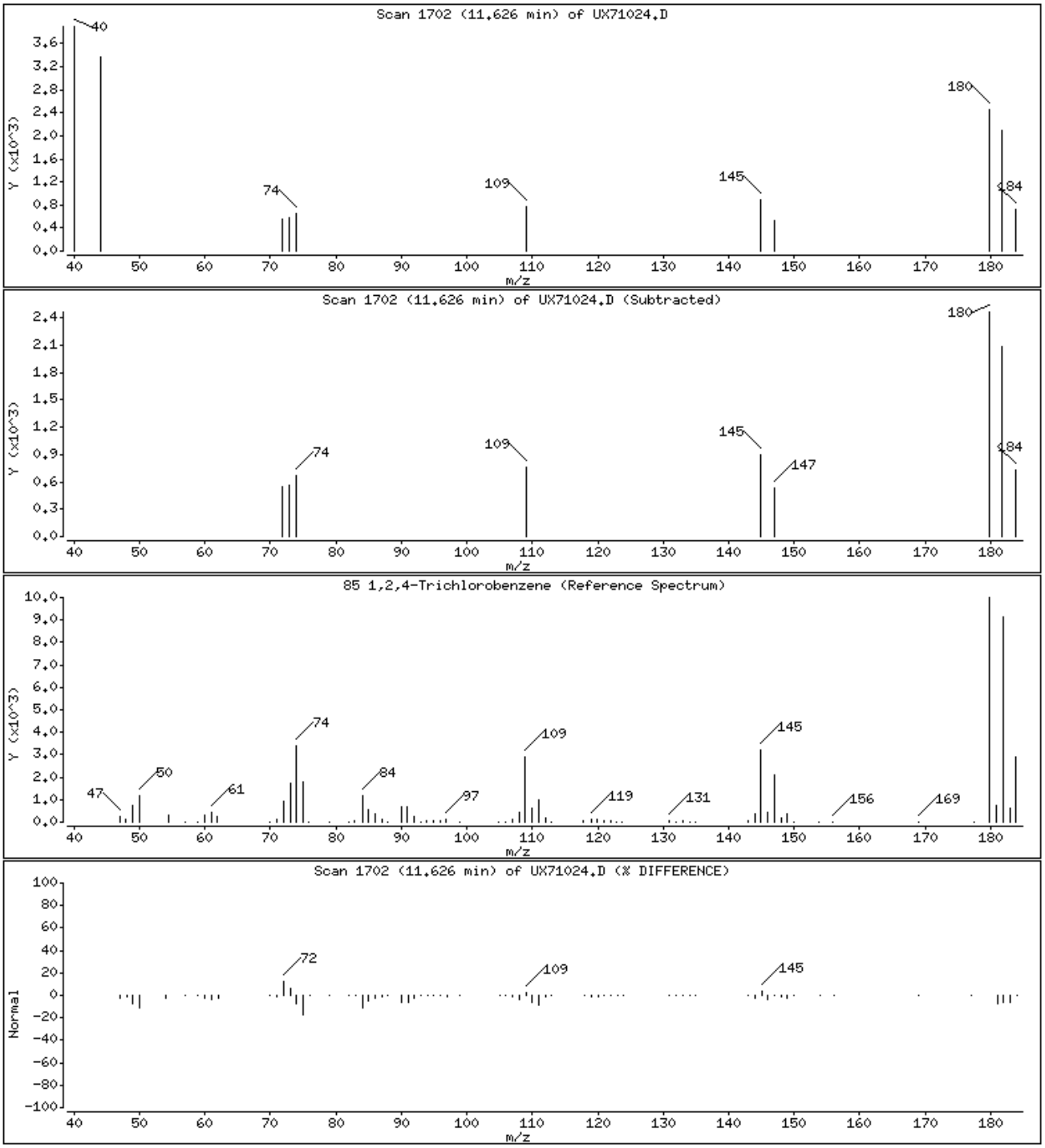
Client ID: Instrument: a3ux7.i

Sample Info: VBLK,5G/5ML

Purge Volume: 5.0 Operator: 2807

Column phase: DB624 Column diameter: 0.18

85 1,2,4-Trichlorobenzene Concentration: 0.7479 UG/KG



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Date : 08-JUN-2005 12:31

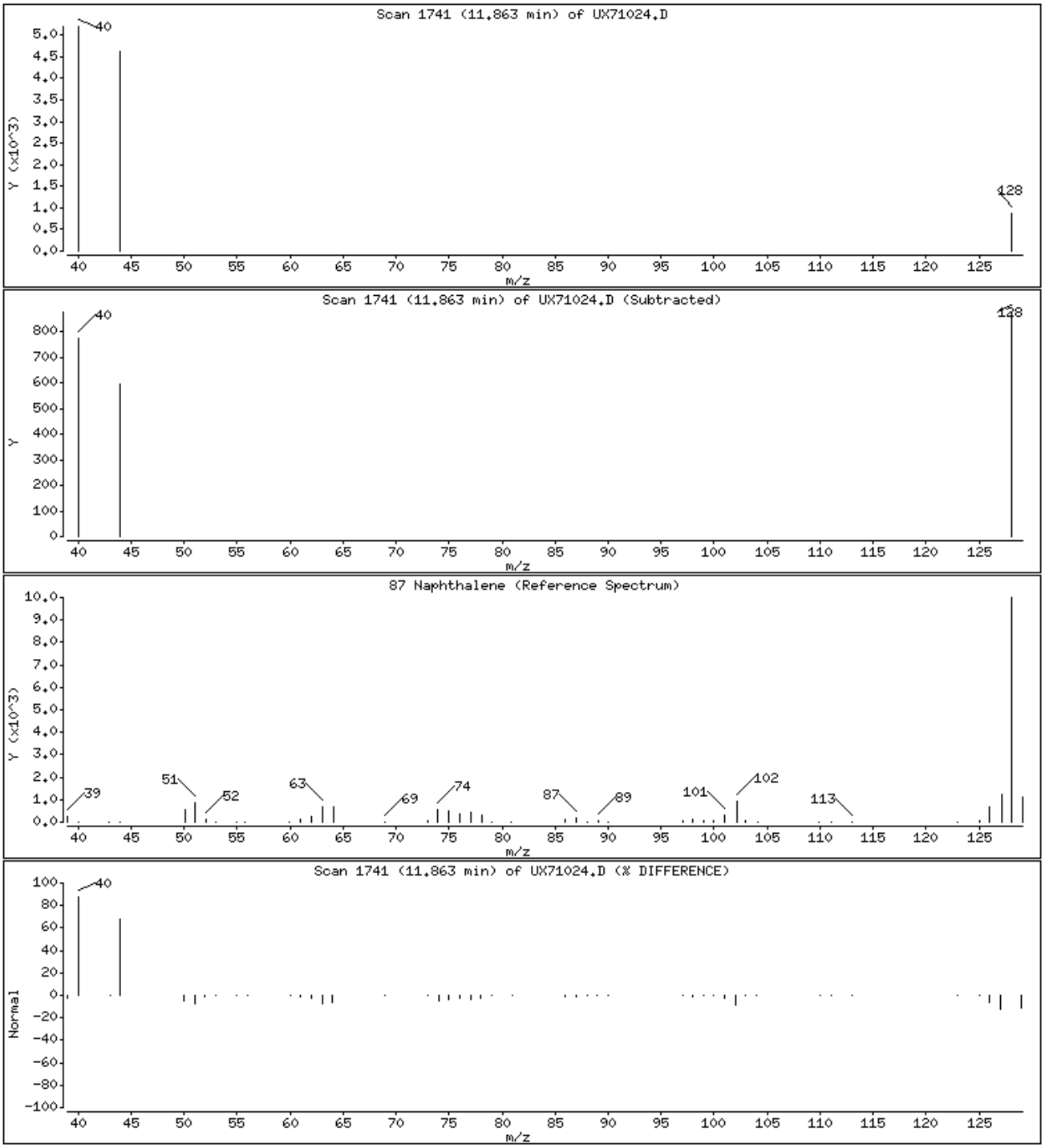
Client ID: Instrument: a3ux7.i

Sample Info: VBLK,5G/5ML

Purge Volume: 5.0 Operator: 2807

Column phase: DB624 Column diameter: 0.18

87 Naphthalene Concentration: 2.726 UG/KG



METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5F040126 **Work Order #...:** HDDPA1AA **Matrix.....:** SOLID
MB Lot-Sample #: A5F100000-402

Prep Date.....: 06/09/05 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 06/09/05 **Prep Batch #...:** 5161402
Dilution Factor: 1 **Initial Wgt/Vol:** 5 g

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	20	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	5.0	ug/kg	SW846 8260B
2-Butanone	ND	20	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	5.0	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Chloromethane	ND	5.0	ug/kg	SW846 8260B
Cyclohexane	ND	10	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	**0.26 J**	**5.0**	**ug/kg**	**SW846 8260B**
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	20	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
Methyl acetate	ND	10	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
Methylcyclohexane	ND	10	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	20	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	20	ug/kg	SW846 8260B
Styrene	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5F040126 **Work Order #...:** HDDPA1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,4-Trichloro-benzene	**0.88 J**	**5.0**	**ug/kg**	**SW846 8260B**
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0	ug/kg	SW846 8260B
Vinyl chloride	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	10	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(59 - 138)
1,2-Dichloroethane-d4	90	(61 - 130)
Toluene-d8	96	(60 - 143)
4-Bromofluorobenzene	91	(47 - 158)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141850.D
Report Date: 09-Jun-2005 17:49

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141850.D
Lab Smp Id: VBLK
Inj Date : 09-JUN-2005 15:15
Operator : 402279 Inst ID: a3ux14.i
Smp Info : VBLK,5G/5ML
Misc Info : R50609A,8260SUX14,,402279,3,,BLANK,,0
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\8260SUX14.m
Meth Date : 09-Jun-2005 14:35 latat Quant Type: ISTD
Cal Date : 23-MAY-2005 13:36 Cal File: 141308.D
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANPMSV15

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Fluorobenzene	96	4.685	4.686	(1.000)	1841072	250.000	
* 2 Chlorobenzene-d5	117	7.161	7.161	(1.000)	920571	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.333	9.333	(1.000)	263053	250.000	
$ 4 Dibromofluoromethane	113	4.180	4.180	(0.892)	374692	248.447	49.689
$ 5 1,2-Dichloroethane-d4	65	4.430	4.430	(0.945)	400784	225.453	45.090
$ 6 Toluene-d8	98	5.926	5.926	(0.828)	1535412	240.369	48.074
$ 7 Bromofluorobenzene	95	8.232	8.232	(1.150)	315573	228.657	45.731
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141850.D
Report Date: 09-Jun-2005 17:49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

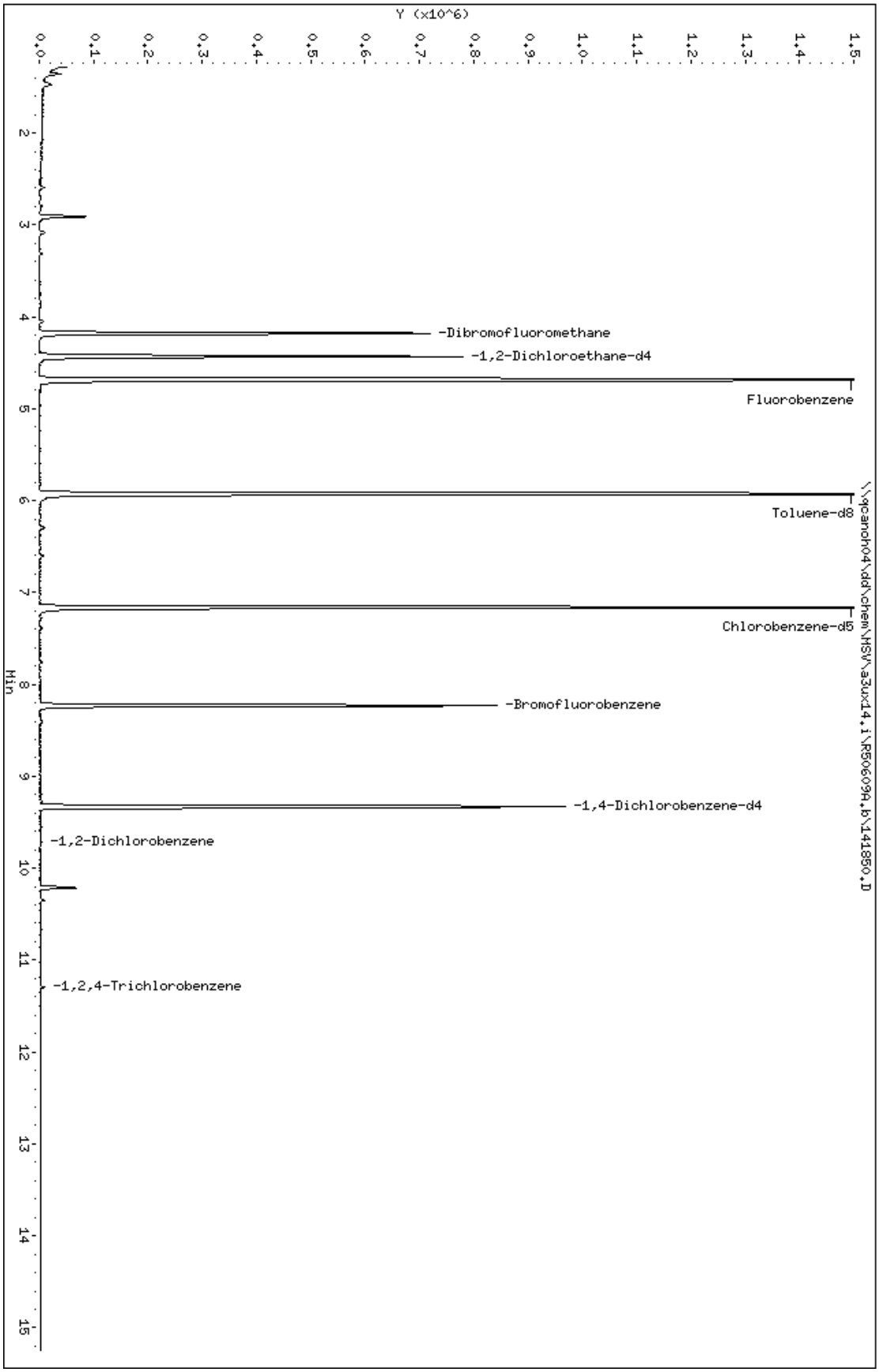
76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141850.D
Report Date: 09-Jun-2005 17:49

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	9.716	9.716	(1.041)	2087	1.29011	0.2580
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.298	11.292	(1.211)	3108	4.37647	0.8753
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141850.D
Date : 09-JUN-2005 15:15
Client ID:
Sample Info: VBLK,5G/5ML
Purge Volume: 5.0
Column Phase: DB624

Instrument: a3ux14.i
Operator: 402279
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141850.D

Date : 09-JUN-2005 15:15

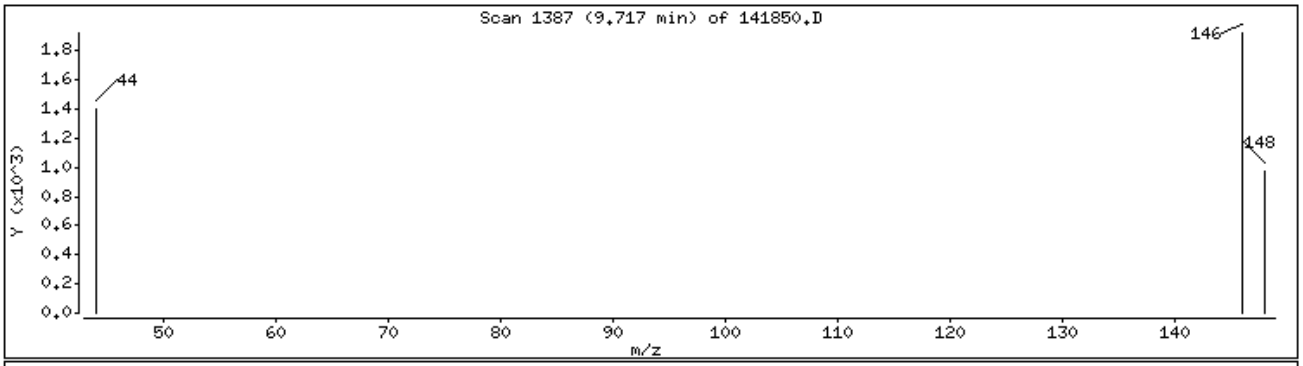
Client ID: Instrument: a3ux14.i

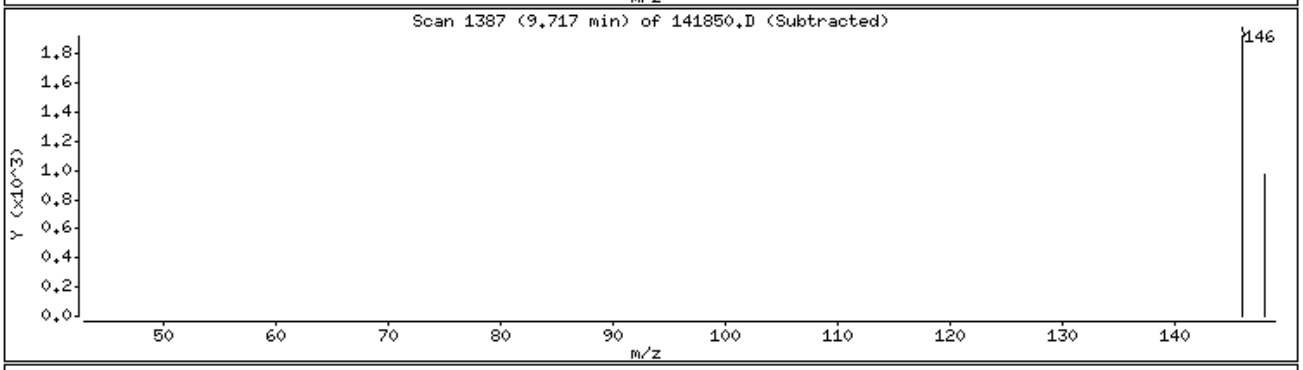
Sample Info: VBLK,5G/5ML

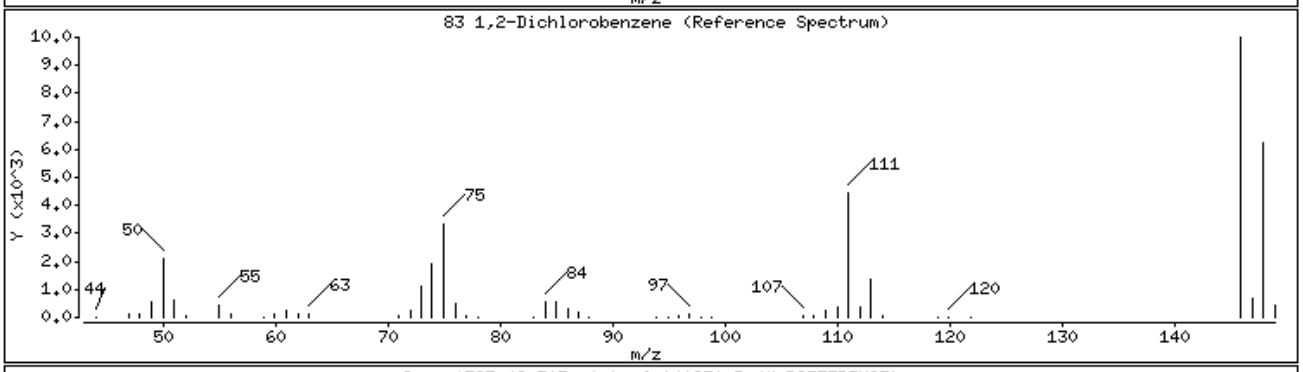
Purge Volume: 5.0 Operator: 402279

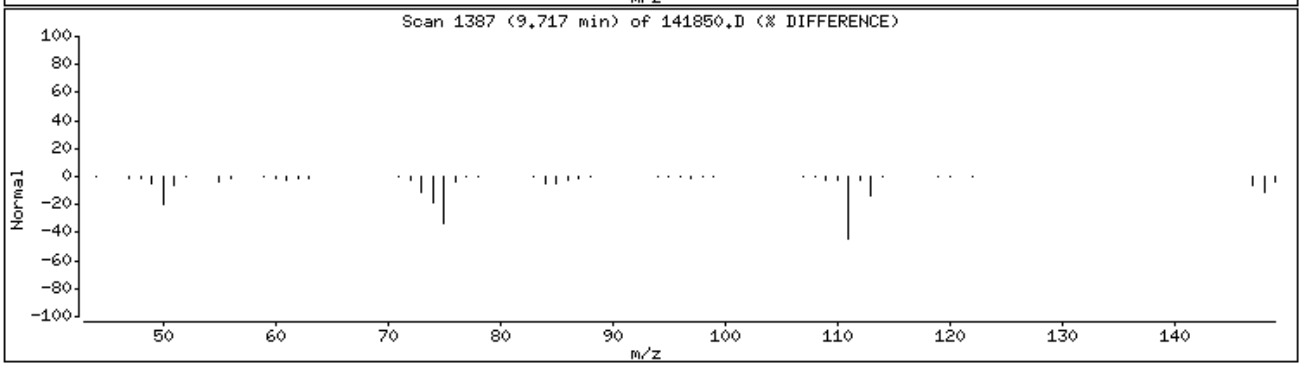
Column phase: DB624 Column diameter: 0.18

83 1,2-Dichlorobenzene Concentration: 0.2580 UG/KG









Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141850.D

Date : 09-JUN-2005 15:15

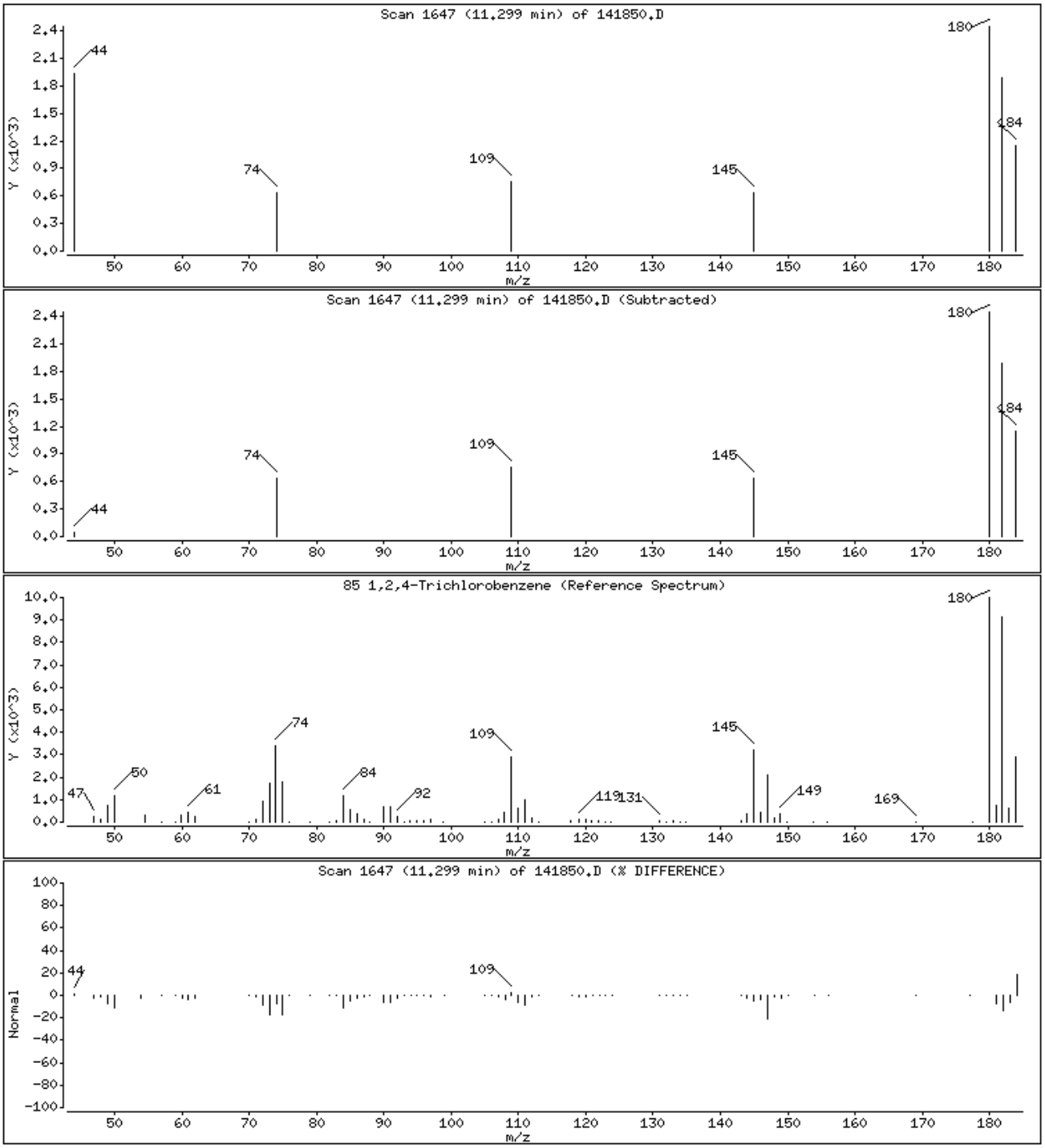
Client ID: Instrument: a3ux14.i

Sample Info: VBLK,5G/5ML

Purge Volume: 5.0 Operator: 402279

Column phase: DB624 Column diameter: 0.18

85 1,2,4-Trichlorobenzene Concentration: 0.8753 UG/KG



METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5F040126 **Work Order #...:** HDR2X1AA **Matrix.....:** WATER
MB Lot-Sample #: A5F170000-046

Prep Date.....: 06/16/05 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 06/16/05 **Prep Batch #...:** 5168046
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	**0.80 J**	**10**	**ug/L**	**SW846 8260B**
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Cyclohexane	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
Methyl acetate	ND	10	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methylcyclohexane	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5F040126 **Work Order #...:** HDR2X1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(73 - 122)
1,2-Dichloroethane-d4	99	(61 - 128)
Toluene-d8	109	(76 - 110)
4-Bromofluorobenzene	83	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94192.D
Report Date: 17-Jun-2005 07:07

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94192.D
Lab Smp Id: VBLK
Inj Date : 16-JUN-2005 18:50
Operator : 1819 Inst ID: a3ux9.i
Smp Info : VBLK
Misc Info : N50616B,8260MIUX9,,1819,3,,BLANK,,0
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50616B.b\8260MIUX9.m
Meth Date : 16-Jun-2005 18:20 Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.097	5.097	(1.000)	696634	50.0000	
* 2 Chlorobenzene-d5	117	7.747	7.748	(1.000)	476780	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	164839	50.0000	
$ 4 Dibromofluoromethane	113	4.540	4.541	(0.891)	153855	54.5772	10.915
$ 5 1,2-Dichloroethane-d4	65	4.824	4.825	(0.947)	192235	49.6994	9.940
$ 6 Toluene-d8	98	6.446	6.446	(0.832)	738781	54.3699	10.874
$ 7 Bromofluorobenzene	95	8.859	8.848	(1.144)	203297	41.4299	8.286
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 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.801	2.790	(0.550)	9418	3.97549	0.7951
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94192.D
Report Date: 17-Jun-2005 07:07

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

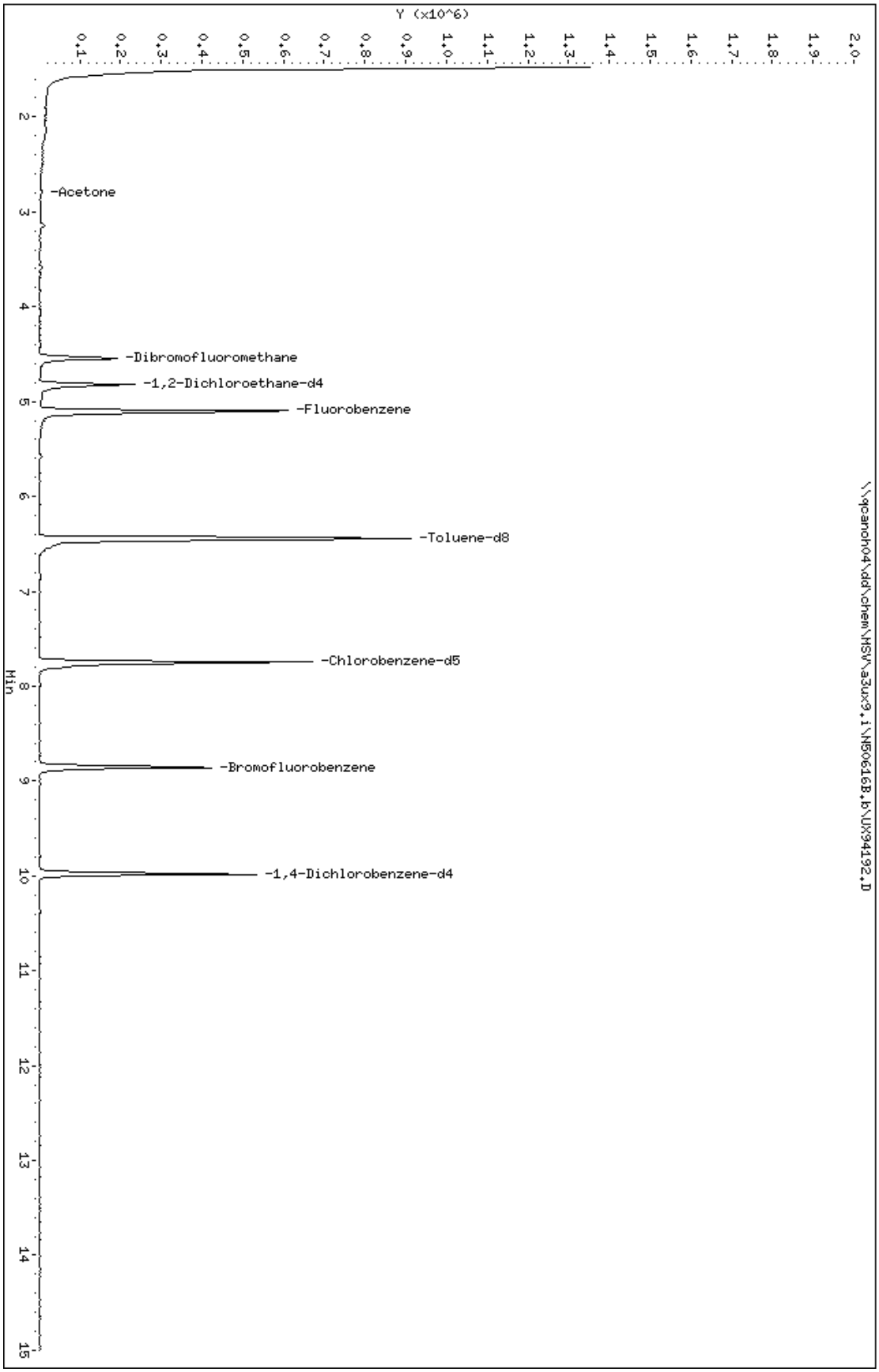
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94192.D
Report Date: 17-Jun-2005 07:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					
47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94192.D
Date : 16-JUN-2005 18:50
Client ID:
Sample Info: VBLK
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94192.D

Date : 16-JUN-2005 18:50

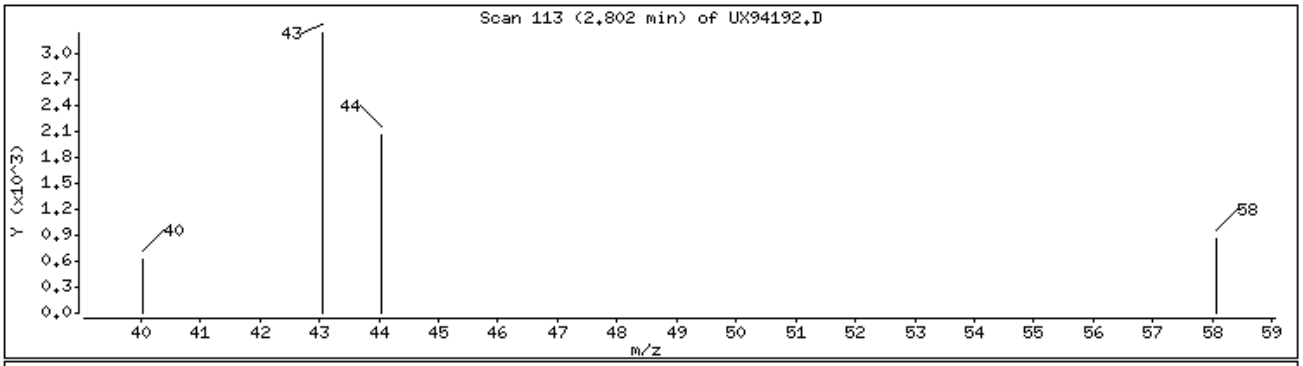
Client ID: Instrument: a3ux9.i

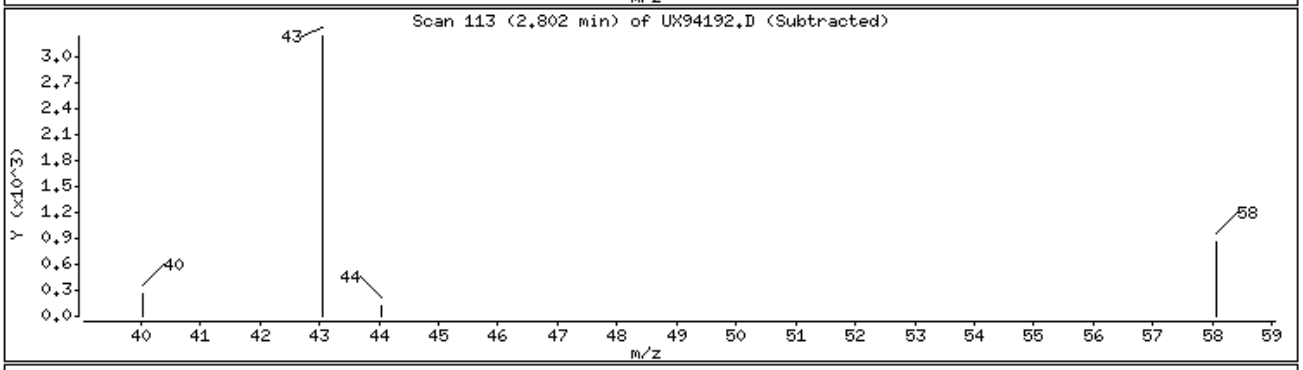
Sample Info: VBLK

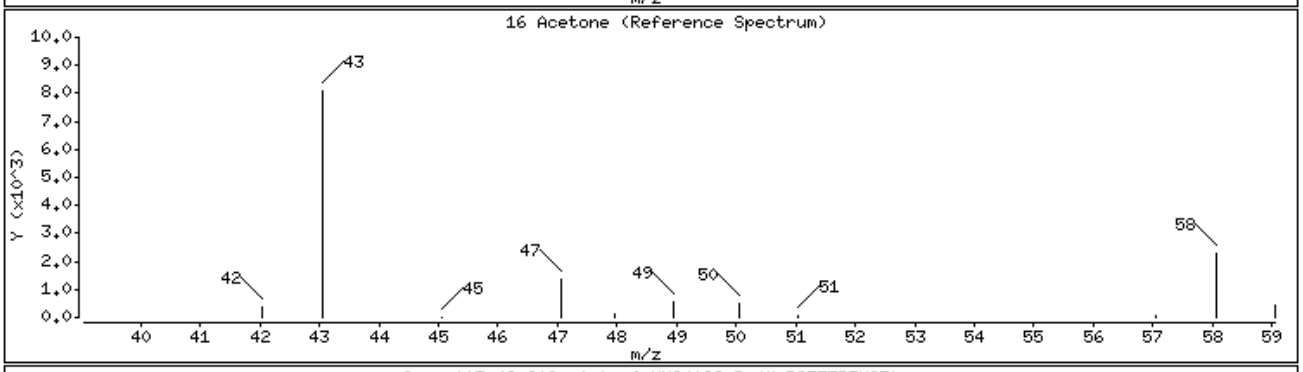
Purge Volume: 5.0 Operator: 1819

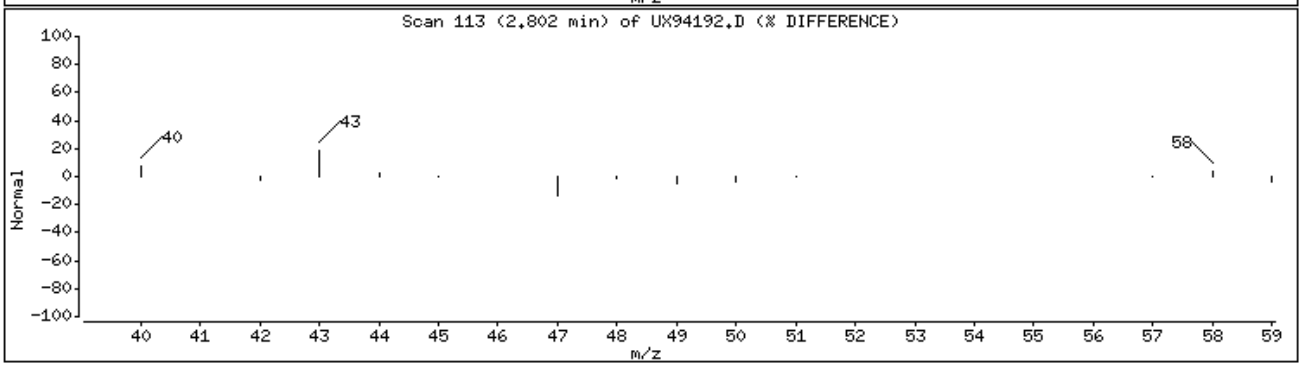
Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 0.7951 ug/L









MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A5F040126 **Work Order #...:** HCX5C1AC-MS **Matrix.....:** SO
MS Lot-Sample #: A5F040126-008 HCX5C1AD-MSD
Date Sampled...: 06/03/05 15:45 **Date Received..:** 06/04/05
Prep Date.....: 06/09/05 **Analysis Date..:** 06/09/05
Prep Batch #...: 5161402
Dilution Factor: 1.04 **Initial Wgt/Vol:** 5 g **Final Wgt/Vol..:** 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**107**	**(55 - 138)**			**SW846 8260B**
	86	**(55 - 138)**	**12**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**103**	**(49 - 139)**			**SW846 8260B**
	86	**(49 - 139)**	**8.4**	**(0-22)**	**SW846 8260B**
1,1-Dichloroethene	**121**	**(43 - 147)**			**SW846 8260B**
	88	**(43 - 147)**	**23**	**(0-27)**	**SW846 8260B**
Toluene	**105**	**(46 - 147)**			**SW846 8260B**
	80	**(46 - 147)**	**17**	**(0-24)**	**SW846 8260B**
Trichloroethene	**119**	**(46 - 143)**			**SW846 8260B**
	97	**(46 - 143)**	**12**	**(0-23)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(59 - 138)
	97	(59 - 138)
1,2-Dichloroethane-d4	89	(61 - 130)
	84	(61 - 130)
Toluene-d8	101	(60 - 143)
	95	(60 - 143)
4-Bromofluorobenzene	90	(47 - 158)
	94	(47 - 158)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A5F040126 **Work Order #...:** HCX5C1AC-MS **Matrix.....:** SO
MS Lot-Sample #: A5F040126-008 HCX5C1AD-MSD
Date Sampled...: 06/03/05 15:45 **Date Received..:** 06/04/05
Prep Date.....: 06/09/05 **Analysis Date..:** 06/09/05
Prep Batch #...: 5161402
Dilution Factor: 1.04 **Initial Wgt/Vol:** 5 g **Final Wgt/Vol..:** 5 mL

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**56**	**60**	**ug/kg**	**107**		**SW846 8260B**
	ND	**62**	**53**	**ug/kg**	**86**	**12**	**SW846 8260B**
Chlorobenzene	**ND**	**56**	**57**	**ug/kg**	**103**		**SW846 8260B**
	ND	**62**	**53**	**ug/kg**	**86**	**8.4**	**SW846 8260B**
1,1-Dichloroethene	**ND**	**56**	**68**	**ug/kg**	**121**		**SW846 8260B**
	ND	**62**	**54**	**ug/kg**	**88**	**23**	**SW846 8260B**
Toluene	**ND**	**56**	**59**	**ug/kg**	**105**		**SW846 8260B**
	ND	**62**	**49**	**ug/kg**	**80**	**17**	**SW846 8260B**
Trichloroethene	**ND**	**56**	**67**	**ug/kg**	**119**		**SW846 8260B**
	ND	**62**	**59**	**ug/kg**	**97**	**12**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(59 - 138)
	97	(59 - 138)
1,2-Dichloroethane-d4	89	(61 - 130)
	84	(61 - 130)
Toluene-d8	101	(60 - 143)
	95	(60 - 143)
4-Bromofluorobenzene	90	(47 - 158)
	94	(47 - 158)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141860.D
Report Date: 10-Jun-2005 08:44

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141860.D
Lab Smp Id: HCX5C1AC Client Smp ID: S-060305-AJ-046
Inj Date : 09-JUN-2005 19:15
Operator : 402279 Inst ID: a3ux14.i
Smp Info : HCX5C1AC,4.81G/5ML
Misc Info : R50609A,8260SUX14,,402279,3,,MS
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux14.i\R50609A.b\8260SUX14.m
Meth Date : 09-Jun-2005 14:35 latat Quant Type: ISTD
Cal Date : 23-MAY-2005 13:36 Cal File: 141308.D
Als bottle: 16 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: QCANOH04

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	4.810	Sample Volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Fluorobenzene	96	4.685	4.686	(1.000)	448406	250.000	
* 2 Chlorobenzene-d5	117	7.167	7.161	(1.000)	214368	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.333	9.333	(1.000)	56136	250.000	
$ 4 Dibromofluoromethane	113	4.180	4.180	(0.892)	89058	242.455	50.406
$ 5 1,2-Dichloroethane-d4	65	4.430	4.430	(0.945)	95858	221.398	46.029
$ 6 Toluene-d8	98	5.926	5.926	(0.827)	375621	252.523	52.499
$ 7 Bromofluorobenzene	95	8.232	8.232	(1.149)	72415	225.325	46.845
8 Dichlorodifluoromethane	85	1.346	1.345	(0.287)	21061	140.582	29.227
9 Chloromethane	50	1.498	1.504	(0.320)	62907	215.070	44.713
10 Vinyl Chloride	62	1.595	1.601	(0.340)	64004	253.890	52.784
11 Bromomethane	94	1.881	1.887	(0.401)	33621	331.143	68.845
12 Chloroethane	64	1.954	1.978	(0.417)	66070	519.438	107.99(R)
13 Trichlorofluoromethane	101	2.161	2.167	(0.461)	119000	396.865	82.508
15 Acrolein	56	2.477	2.477	(0.529)	205493	2903.23	603.58
16 Acetone	43	2.587	2.593	(0.552)	38726	169.347	35.207
17 1,1-Dichloroethene	96	2.556	2.556	(0.546)	100614	303.413	63.080(R)
18 Freon-113	151	2.568	2.574	(0.548)	54033	395.076	82.136
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.726	2.726	(0.582)	331882	279.857	58.182
21 Methylene Chloride	84	2.909	2.909	(0.621)	139240	274.716	57.114

22 Acetonitrile	41	2.787	2.793 (0.595)	145593	3006.87	625.13
23 Acrylonitrile	53	3.079	3.079 (0.657)	486459	2618.24	544.33

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141860.D
Report Date: 10-Jun-2005 08:44

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	24 Methyl tert-butyl ether	73	3.110	3.110	(0.664)	159404	167.714	34.868
	25 trans-1,2-Dichloroethene	96	3.116	3.116	(0.665)	118588	273.950	56.954
	26 Hexane	86	3.311	3.317	(0.707)	33267	324.265	67.415(R)
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.414	3.414	(0.729)	218533	255.436	53.105
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	3.834	3.834	(0.818)	47525	160.732	33.416
M	31 1,2-Dichloroethene (total)	96				240489	533.820	110.98
	32 cis-1,2-dichloroethene	96	3.834	3.834	(0.818)	121901	259.870	54.027
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.059	4.065	(0.866)	177266	256.064	53.236
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.205	4.211	(0.897)	140334	318.311	66.177(R)
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.333	4.333	(0.925)	118476	323.025	67.157(R)
	40 1,2-Dichloroethane	62	4.485	4.491	(0.957)	136580	253.573	52.718
	41 Benzene	78	4.485	4.485	(0.957)	495553	268.737	55.870
	42 Trichloroethene	130	4.965	4.965	(1.060)	119992	298.048	61.964
	43 1,2-Dichloropropane	63	5.136	5.136	(1.096)	131030	252.263	52.446
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.348	5.342	(1.142)	116105	261.588	54.384
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	5.701	5.701	(1.217)	132408	235.519	48.964
	49 4-Methyl-2-pentanone	43	5.811	5.811	(1.240)	67890	163.298	33.950
	50 Toluene	91	5.981	5.981	(0.835)	463521	262.365	54.546
	51 trans-1,3-Dichloropropene	75	6.152	6.152	(0.858)	89706	181.118	37.654(R)
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.310	6.310	(0.880)	82546	260.580	54.174
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.450	6.450	(0.900)	76511	313.043	65.082(R)
	56 2-Hexanone	43	6.510	6.510	(0.908)	34702	114.965	23.901(R)
	57 Dibromochloromethane	129	6.650	6.650	(0.928)	68061	274.156	56.997
	58 1,2-Dibromoethane	107	6.760	6.760	(0.943)	70470	267.593	55.633
	59 Chlorobenzene	112	7.192	7.192	(1.003)	228749	256.398	53.305
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.283	7.283	(1.016)	124896	270.035	56.140
	62 m + p-Xylene	106	7.386	7.386	(1.031)	298878	557.681	115.94
M	63 Xylenes (total)	106				433253	842.343	175.12
	64 Xylene-o	106	7.745	7.745	(1.081)	134375	284.663	59.181
	65 Styrene	104	7.758	7.758	(1.082)	183824	208.281	43.302(R)
	66 Bromoform	173	7.934	7.935	(1.107)	24486	214.158	44.523
	67 Isopropylbenzene	105	8.086	8.086	(1.128)	287641	278.345	57.868
	68 1,1,2,2-Tetrachloroethane	83	8.360	8.354	(0.896)	56164	270.302	56.196
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

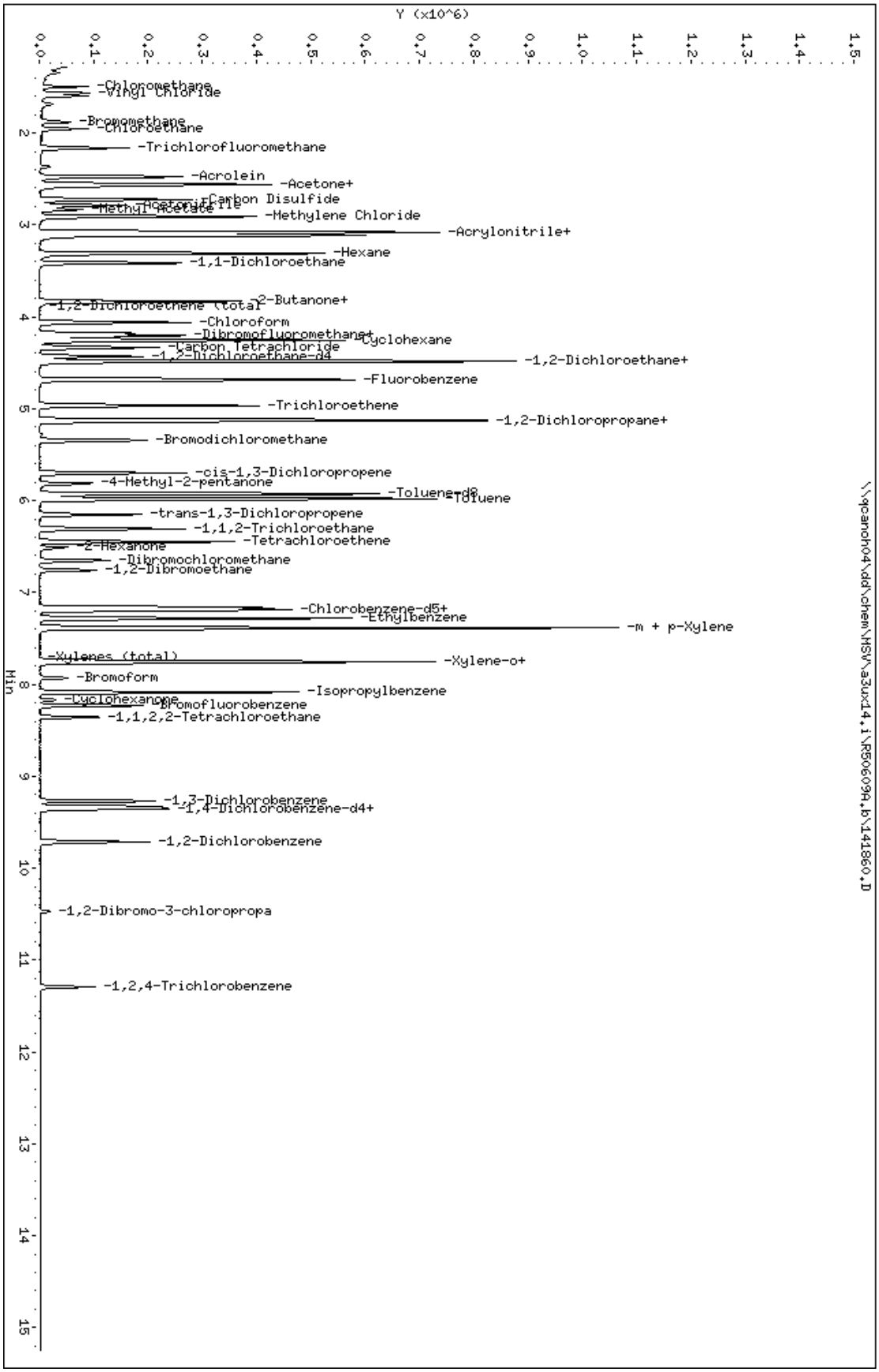
76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141860.D
Report Date: 10-Jun-2005 08:44

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.272	9.266	(0.993)	90712	263.498	54.781
81 1,4-Dichlorobenzene	146	9.351	9.351	(1.002)	91498	245.891	51.121
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	9.717	9.716	(1.041)	83727	242.533	50.422
84 1,2-Dibromo-3-chloropropane	157	10.471	10.471	(1.122)	5611	237.283	49.331
85 1,2,4-Trichlorobenzene	180	11.292	11.292	(1.210)	32210	212.537	44.186
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	8.171	8.171	(0.876)	17722	1293.19	268.85
98 Cyclohexane	56	4.253	4.260	(0.908)	242939	279.130	58.031
143 Methyl Acetate	43	2.830	2.836	(0.604)	88418	225.235	46.826
144 Methylcyclohexane	83	5.123	5.123	(1.093)	207841	290.145	60.321
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.


Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141860.D
Date : 09-JUN-2005 19:15
Client ID: S-060305-AJ-046
Sample Info: HCX5C1AC,4.81G/5ML
Purge Volume: 4.8
Column phase: DB624
Instrument: a3ux14.i
Operator: 402279
Column diameter: 0.18
\\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141860.D
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide
-Acetonitrile
-Methyl Acetate
-Methylene Chloride
-Acrylonitrile+
-Hexane
-1,1-Dichloroethane
-2-Butanone+
-1,2-Dichloroethene (total
-Chloroform
-Dibromofluoromethane+
-Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-Bromodichloromethane
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-Ethylbenzene
-m + p-Xylene
-Xylenes (total)
-Xylene-o+
-Bromoform
-Isopropylbenzene
-Cyclohexanone
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141861.D
Report Date: 10-Jun-2005 08:45

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141861.D
Lab Smp Id: HCX5C1AD Client Smp ID: S-060305-AJ-046
Inj Date : 09-JUN-2005 19:39
Operator : 402279 Inst ID: a3ux14.i
Smp Info : HCX5C1AD,4.38G/5ML
Misc Info : R50609A,8260SUX14,,402279,3,,MSD
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux14.i\R50609A.b\8260SUX14.m
Meth Date : 09-Jun-2005 14:35 latat Quant Type: ISTD
Cal Date : 23-MAY-2005 13:36 Cal File: 141308.D
Als bottle: 17 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: QCANOH04

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	4.380	Sample Volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Fluorobenzene	96	4.685	4.686	(1.000)	1922847	250.000	
* 2 Chlorobenzene-d5	117	7.161	7.161	(1.000)	1008616	250.000	
* 3 1,4-Dichlorobenzene-d4	152	9.333	9.333	(1.000)	275526	250.000	
$ 4 Dibromofluoromethane	113	4.180	4.180	(0.892)	383722	243.614	55.620
$ 5 1,2-Dichloroethane-d4	65	4.430	4.430	(0.945)	390719	210.444	48.046
$ 6 Toluene-d8	98	5.926	5.926	(0.828)	1657346	236.809	54.066
$ 7 Bromofluorobenzene	95	8.232	8.232	(1.150)	355958	235.404	53.745
8 Dichlorodifluoromethane	85	1.345	1.345	(0.287)	72009	112.090	25.591
9 Chloromethane	50	1.503	1.504	(0.321)	199056	158.702	36.233
10 Vinyl Chloride	62	1.607	1.601	(0.343)	178154	164.802	37.626
11 Bromomethane	94	1.887	1.887	(0.403)	98679	226.650	51.747
12 Chloroethane	64	1.978	1.978	(0.422)	111179	203.835	46.538
13 Trichlorofluoromethane	101	2.161	2.167	(0.461)	249328	193.907	44.271
15 Acrolein	56	2.477	2.477	(0.529)	658127	2168.31	495.05
16 Acetone	43	2.586	2.593	(0.552)	103134	98.9516	22.592
17 1,1-Dichloroethene	96	2.556	2.556	(0.546)	312870	220.022	50.233
18 Freon-113	151	2.580	2.574	(0.551)	131531	224.273	51.204
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.726	2.726	(0.582)	1034777	203.482	46.457
21 Methylene Chloride	84	2.909	2.909	(0.621)	521540	238.183	54.380

22 Acetonitrile	41	2.793	2.793 (0.596)	374750	1804.86	412.07
23 Acrylonitrile	53	3.079	3.079 (0.657)	1574636	1976.38	451.23

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141861.D
Report Date: 10-Jun-2005 08:45

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	24 Methyl tert-butyl ether	73	3.110	3.110	(0.664)	850491	208.673	47.642
	25 trans-1,2-Dichloroethene	96	3.116	3.116	(0.665)	394153	212.335	48.478
	26 Hexane	86	3.310	3.317	(0.707)	105420	239.627	54.709
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.414	3.414	(0.729)	766129	208.830	47.678(R)
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	3.834	3.834	(0.818)	166259	131.127	29.938(R)
M	31 1,2-Dichloroethene (total)	96				846184	437.056	99.784
	32 cis-1,2-dichloroethene	96	3.834	3.834	(0.818)	452031	224.721	51.306
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.059	4.065	(0.866)	661353	222.784	50.864
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.211	4.211	(0.899)	445330	235.558	53.780
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.332	4.333	(0.925)	390660	248.388	56.710
	40 1,2-Dichloroethane	62	4.484	4.491	(0.957)	506633	219.349	50.080
	41 Benzene	78	4.484	4.485	(0.957)	1709020	216.128	49.344
	42 Trichloroethene	130	4.965	4.965	(1.060)	416799	241.428	55.120
	43 1,2-Dichloropropane	63	5.135	5.136	(1.096)	488727	219.420	50.096
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.342	5.342	(1.140)	468689	246.251	56.222
	47 2-Chloroethyl vinyl ether	63	5.573	5.574	(1.190)	25786	94.8558	21.656
	48 cis-1,3-Dichloropropene	75	5.701	5.701	(1.217)	610651	253.298	57.830
	49 4-Methyl-2-pentanone	43	5.811	5.811	(1.240)	309297	172.964	39.489
	50 Toluene	91	5.981	5.981	(0.835)	1668572	200.732	45.829
	51 trans-1,3-Dichloropropene	75	6.151	6.152	(0.859)	456736	195.610	44.660(R)
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.310	6.310	(0.881)	316009	212.021	48.406(R)
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.449	6.450	(0.901)	243314	211.583	48.307
	56 2-Hexanone	43	6.510	6.510	(0.909)	166229	116.846	26.677(R)
	57 Dibromochloromethane	129	6.650	6.650	(0.929)	288715	247.174	56.432
	58 1,2-Dibromoethane	107	6.760	6.760	(0.944)	282043	227.625	51.969
	59 Chlorobenzene	112	7.186	7.192	(1.003)	901182	214.685	49.015
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.283	7.283	(1.017)	498280	228.970	52.276
	62 m + p-Xylene	106	7.386	7.386	(1.031)	1159304	459.751	104.97
M	63 Xylenes (total)	106				1683295	695.674	158.83
	64 Xylene-o	106	7.745	7.745	(1.082)	523991	235.923	53.864
	65 Styrene	104	7.757	7.758	(1.083)	818503	197.319	45.050(R)
	66 Bromoform	173	7.934	7.935	(1.108)	115428	214.538	48.981
	67 Isopropylbenzene	105	8.086	8.086	(1.129)	1115974	229.520	52.402
	68 1,1,2,2-Tetrachloroethane	83	8.354	8.354	(0.895)	227206	222.787	50.865
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

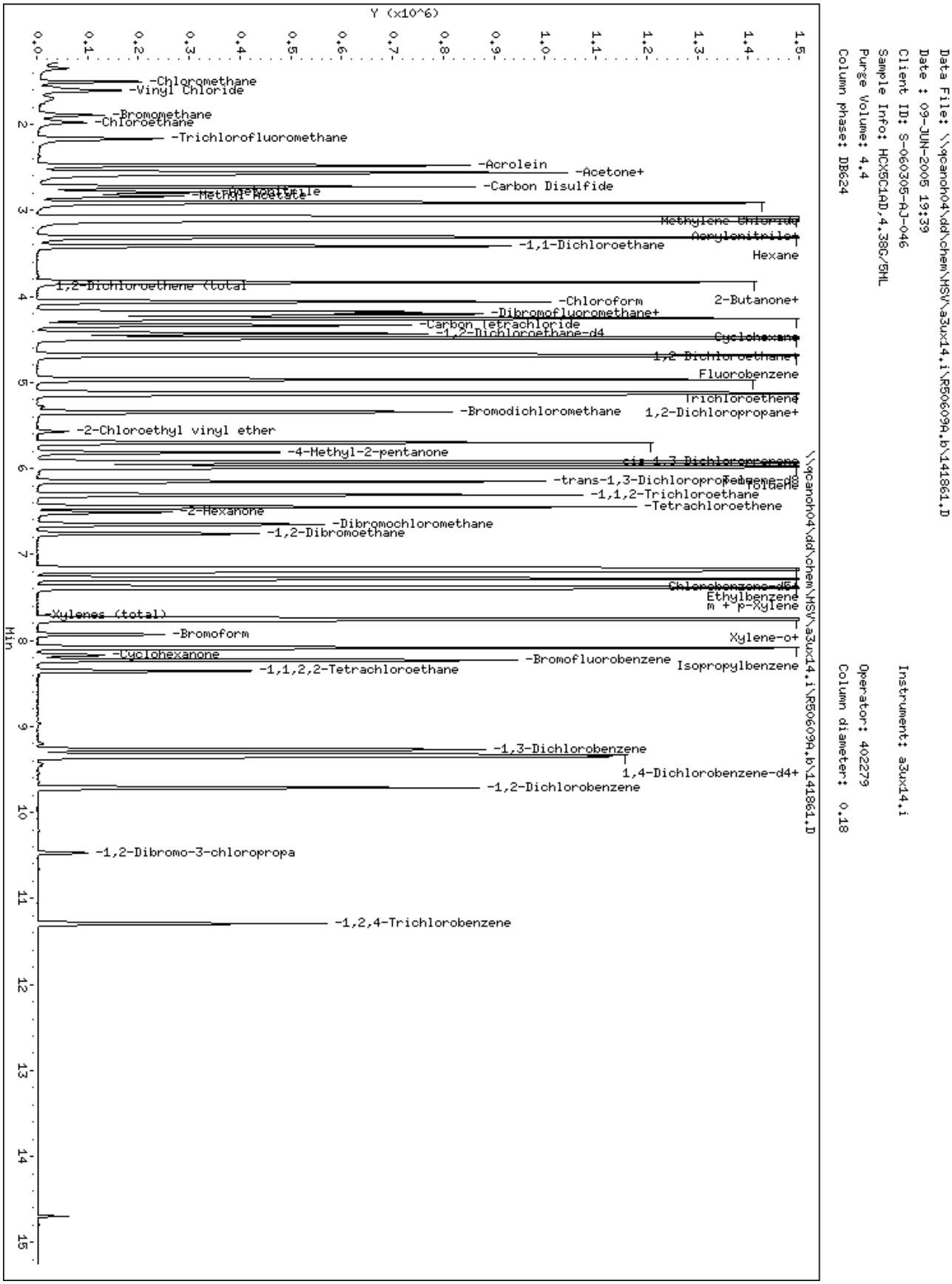
76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141861.D
Report Date: 10-Jun-2005 08:45

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.272	9.266	(0.993)	385467	228.128	52.084
81 1,4-Dichlorobenzene	146	9.351	9.351	(1.002)	399105	218.523	49.891
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	9.716	9.716	(1.041)	373487	220.424	50.325
84 1,2-Dibromo-3-chloropropane	157	10.471	10.471	(1.122)	28075	241.894	55.227
85 1,2,4-Trichlorobenzene	180	11.292	11.292	(1.210)	167245	224.842	51.334
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	8.171	8.171	(0.876)	67824	1008.35	230.22
98 Cyclohexane	56	4.259	4.260	(0.909)	744687	199.531	45.555
143 Methyl Acetate	43	2.836	2.836	(0.605)	290394	172.508	39.385
144 Methylcyclohexane	83	5.123	5.123	(1.093)	676292	220.163	50.266
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.


Data File: \\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141861.D
Date : 09-JUN-2005 19:39
Client ID: S-060305-AJ-046
Sample Info: HCX5C1AD,4.38G/5ML
Purge Volume: 4.4
Column phase: DB624
Instrument: a3ux14.i
Operator: 402279
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide
-Methyl Acetate
Methylene Chloride
Acrylonitrile+
-1,1-Dichloroethane
Hexane
1,2-Dichloroethene (total
-Chloroform
2-Butanone+
-Dibromofluoromethane+
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
Cyclohexane
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-4-Methyl-2-pentanone
cis-1,3-Dichloropropene
Toluene-d8
-trans-1,3-Dichloropropene
Toluene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene
m + p-Xylene
-Xylenes (total)
-Bromoform
Xylene-o+
-Cyclohexanone
-Bromofluorobenzene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux14.i\R50609A.b\141861.D

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A5F040126 **Work Order #...:** HCX4X1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A5F040126-005 HCX4X1AD-MSD
Date Sampled...: 06/03/05 14:05 **Date Received..:** 06/04/05
Prep Date.....: 06/16/05 **Analysis Date..:** 06/16/05
Prep Batch #...: 5168046
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**99**	**(78 - 118)**			**SW846 8260B**
	102	**(78 - 118)**	**2.7**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**98**	**(76 - 117)**			**SW846 8260B**
	98	**(76 - 117)**	**0.34**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**103**	**(62 - 130)**			**SW846 8260B**
	108	**(62 - 130)**	**5.0**	**(0-20)**	**SW846 8260B**
Toluene	**99**	**(70 - 119)**			**SW846 8260B**
	100	**(70 - 119)**	**0.74**	**(0-20)**	**SW846 8260B**
Trichloroethene	**102**	**(62 - 130)**			**SW846 8260B**
	104	**(62 - 130)**	**1.4**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(73 - 122)
	111	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
	104	(61 - 128)
Toluene-d8	103	(76 - 110)
	104	(76 - 110)
4-Bromofluorobenzene	94	(74 - 116)
	90	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A5F040126 **Work Order #...:** HCX4X1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A5F040126-005 HCX4X1AD-MSD
Date Sampled...: 06/03/05 14:05 **Date Received..:** 06/04/05
Prep Date.....: 06/16/05 **Analysis Date..:** 06/16/05
Prep Batch #...: 5168046
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**10**	**10**	**ug/L**	**99**		**SW846 8260B**
	ND	**10**	**10**	**ug/L**	**102**	**2.7**	**SW846 8260B**
Chlorobenzene	**ND**	**10**	**9.8**	**ug/L**	**98**		**SW846 8260B**
	ND	**10**	**9.8**	**ug/L**	**98**	**0.34**	**SW846 8260B**
1,1-Dichloroethene	**ND**	**10**	**10**	**ug/L**	**103**		**SW846 8260B**
	ND	**10**	**11**	**ug/L**	**108**	**5.0**	**SW846 8260B**
Toluene	**0.21**	**10**	**10**	**ug/L**	**99**		**SW846 8260B**
	0.21	**10**	**10**	**ug/L**	**100**	**0.74**	**SW846 8260B**
Trichloroethene	**0.57**	**10**	**11**	**ug/L**	**102**		**SW846 8260B**
	0.57	**10**	**11**	**ug/L**	**104**	**1.4**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(73 - 122)
	111	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
	104	(61 - 128)
Toluene-d8	103	(76 - 110)
	104	(76 - 110)
4-Bromofluorobenzene	94	(74 - 116)
	90	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94205.D
Report Date: 17-Jun-2005 07:18

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94205.D
Lab Smp Id: HCX4X1AC Client Smp ID: GW-060305-AJ-044
Inj Date : 16-JUN-2005 23:37
Operator : 1819 Inst ID: a3ux9.i
Smp Info : HCX4X1AC,5ML/5ML
Misc Info : N50616B,8260MIUX9,2-8260.SUB,1819,3,,MS
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50616B.b\8260MIUX9.m
Meth Date : 16-Jun-2005 18:20 Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 17 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.096	5.097	(1.000)	716235	50.0000	
* 2 Chlorobenzene-d5	117	7.747	7.748	(1.000)	510313	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.983	9.984	(1.000)	206891	50.0000	
$ 4 Dibromofluoromethane	113	4.540	4.541	(0.891)	158317	54.6231	10.925
$ 5 1,2-Dichloroethane-d4	65	4.824	4.825	(0.947)	199034	50.0490	10.010
$ 6 Toluene-d8	98	6.445	6.446	(0.832)	751233	51.6534	10.331
$ 7 Bromofluorobenzene	95	8.847	8.848	(1.142)	245997	46.8376	9.368
8 Dichlorodifluoromethane	85	1.582	1.583	(0.310)	166586	44.8841	8.977
9 Chloromethane	50	1.736	1.748	(0.341)	357202	53.3424	10.668
10 Vinyl Chloride	62	1.831	1.831	(0.359)	263222	52.4087	10.482
11 Bromomethane	94	2.115	2.127	(0.415)	105146	60.8401	12.168
12 Chloroethane	64	2.221	2.210	(0.436)	146799	60.0743	12.015
13 Trichlorofluoromethane	101	2.351	2.352	(0.461)	200957	48.5151	9.703
15 Acrolein	56	2.671	2.671	(0.524)	327562	498.516	99.703(A)
16 Acetone	43	2.789	2.790	(0.547)	87588	35.9605	7.192
17 1,1-Dichloroethene	61	2.765	2.766	(0.543)	324445	51.3270	10.265
18 Freon-113	151	2.825	2.837	(0.554)	127643	52.7271	10.545
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.955	2.955	(0.580)	579567	49.0831	9.817
21 Methylene Chloride	84	3.144	3.145	(0.617)	206081	48.2005	9.640

22 Acetonitrile	41	3.014	3.014 (0.591)	284930	451.640	90.328(A)
23 Acrylonitrile	53	3.333	3.322 (0.654)	739429	472.373	94.475(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94205.D
Report Date: 17-Jun-2005 07:18

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.357	3.358	(0.659)	414305	45.4241	9.085
	25 trans-1,2-Dichloroethene	61	3.369	3.369	(0.661)	325929	50.8024	10.160
	26 Hexane	57	3.582	3.582	(0.703)	373308	48.3908	9.678
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.700	3.701	(0.726)	387364	49.5949	9.919
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.162	4.162	(0.817)	93612	35.2545	7.051
M	31 1,2-Dichloroethene (total)	61				631824	95.8150	19.163
	32 cis-1,2-dichloroethene	61	4.162	4.162	(0.817)	305895	45.0125	9.002
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.410	4.411	(0.865)	347138	58.1980	11.640
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.576	4.576	(0.898)	238028	50.1086	10.022
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.718	4.718	(0.926)	182700	48.0480	9.610
	40 1,2-Dichloroethane	62	4.883	4.884	(0.958)	264783	48.3564	9.671
	41 Benzene	78	4.883	4.884	(0.958)	837225	50.2630	10.053
	42 Trichloroethene	130	5.416	5.405	(1.063)	208599	53.8715	10.774
	43 1,2-Dichloropropane	63	5.593	5.594	(1.098)	235204	50.8521	10.170
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.818	5.819	(1.142)	238655	57.8154	11.563
	48 cis-1,3-Dichloropropene	75	6.197	6.197	(1.216)	252126	40.6684	8.134
	49 4-Methyl-2-pentanone	43	6.315	6.316	(1.239)	187670	42.7482	8.550
	50 Toluene	91	6.505	6.505	(0.840)	911618	50.6968	10.139
	51 trans-1,3-Dichloropropene	75	6.682	6.683	(0.863)	203511	44.1414	8.828
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.848	6.848	(0.884)	150590	49.1294	9.826
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.001	7.002	(0.904)	164952	52.3460	10.469
	56 2-Hexanone	43	7.061	7.061	(0.911)	112490	27.5370	5.507
	57 Dibromochloromethane	129	7.214	7.215	(0.931)	158387	54.2772	10.855
	58 1,2-Dibromoethane	107	7.321	7.322	(0.945)	127933	47.4811	9.496
	59 Chlorobenzene	112	7.771	7.771	(1.003)	554226	48.9975	9.800
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	7.865	7.866	(1.015)	957079	48.4603	9.692
	62 m + p-Xylene	91	7.972	7.972	(1.029)	1486657	96.4710	19.294
M	63 Xylenes (total)	91				2219328	143.646	28.729
	64 Xylene-o	91	8.350	8.351	(1.078)	732671	47.1748	9.435
	65 Styrene	104	8.362	8.363	(1.079)	531872	43.0006	8.600
	66 Bromoform	173	8.552	8.552	(1.104)	70243	43.8074	8.761
	67 Isopropylbenzene	105	8.705	8.706	(1.124)	919400	50.9054	10.181
	68 1,1,2,2-Tetrachloroethane	83	8.978	8.978	(0.899)	165003	47.9896	9.598
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

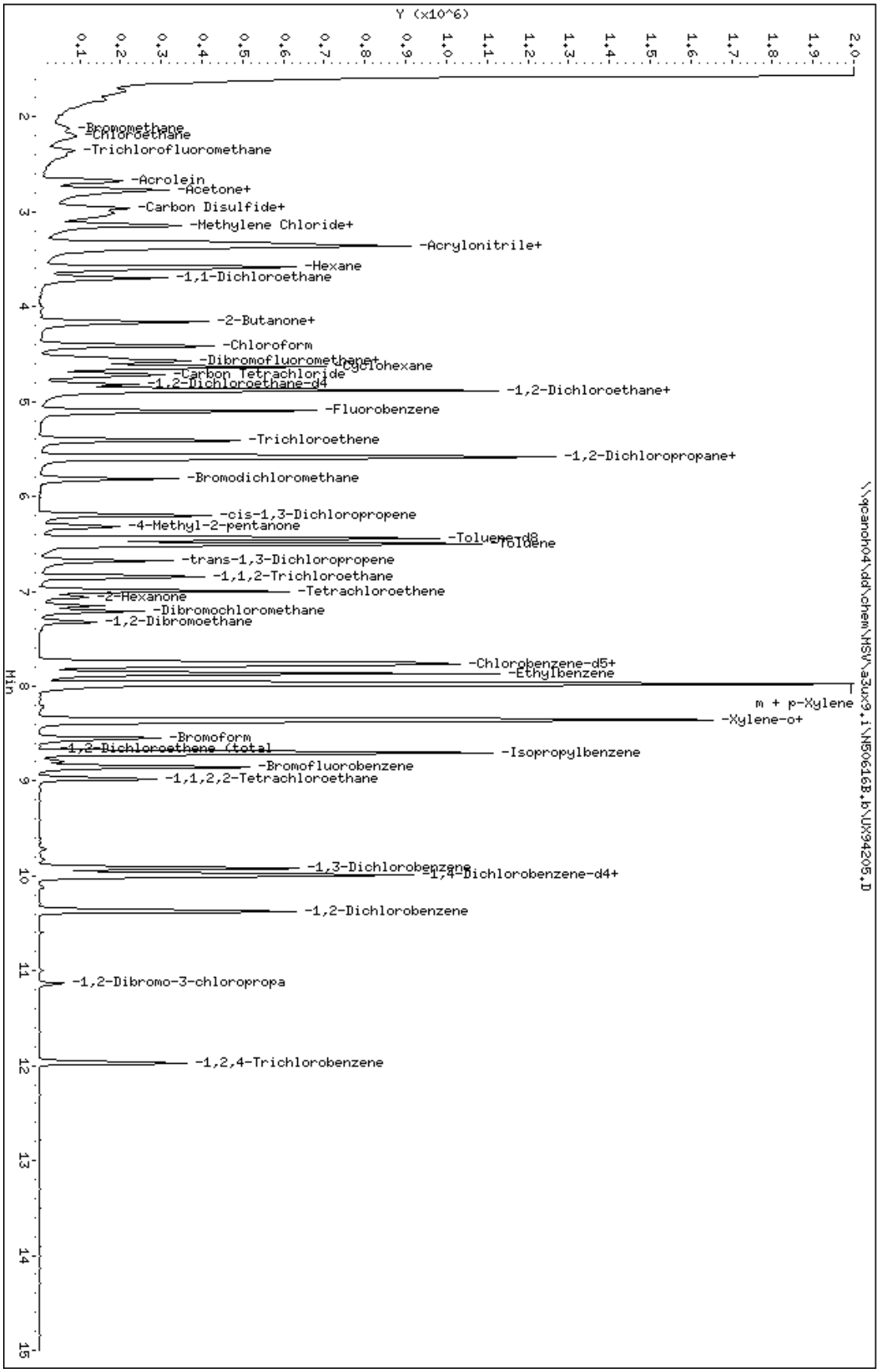
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94205.D
Report Date: 17-Jun-2005 07:18

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.924	9.925	(0.994)	337256	46.2382	9.248
81 1,4-Dichlorobenzene	146	10.007	10.008	(1.002)	340357	46.2580	9.252
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.374	10.374	(1.039)	312994	45.8157	9.163
84 1,2-Dibromo-3-chloropropane	157	11.131	11.144	(1.115)	15939	38.4748	7.695
85 1,2,4-Trichlorobenzene	180	11.971	11.972	(1.199)	131592	39.6823	7.936
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.635	4.636	(0.909)	445037	45.8196	9.164
143 Methyl Acetate	43	3.061	3.050	(0.601)	149378	45.2197	9.044
144 Methylcyclohexane	83	5.582	5.582	(1.095)	317224	41.8377	8.368
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94205.D
Date : 16-JUN-2005 23:37
Client ID: GW-060305-AJ-044
Sample Info: HCX4X1AC,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18
Y (x10^6)
Min
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-Bromodichloromethane
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-Ethylbenzene
m + p-Xylene
-Xylene-o+
-Bromoform
-1,2-Dichloroethene (total
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94205.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94206.D
Report Date: 17-Jun-2005 07:18

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94206.D
Lab Smp Id: HCX4X1AD Client Smp ID: GW-060305-AJ-044
Inj Date : 17-JUN-2005 00:00
Operator : 1819 Inst ID: a3ux9.i
Smp Info : HCX4X1AD,5ML/5ML
Misc Info : N50616B,8260MIUX9,2-8260.SUB,1819,3,,MSD
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50616B.b\8260MIUX9.m
Meth Date : 16-Jun-2005 18:20 Quant Type: ISTD
Cal Date : 25-MAY-2005 22:18 Cal File: UX93514.D
Als bottle: 18 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
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	5.099	5.097	(1.000)	696813	50.0000	
* 2 Chlorobenzene-d5	117	7.749	7.748	(1.000)	510525	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.974	9.984	(1.000)	200552	50.0000	
$ 4 Dibromofluoromethane	113	4.543	4.541	(0.891)	155916	55.2941	11.059
$ 5 1,2-Dichloroethane-d4	65	4.827	4.825	(0.947)	201142	51.9888	10.398
$ 6 Toluene-d8	98	6.448	6.446	(0.832)	753490	51.7871	10.357
$ 7 Bromofluorobenzene	95	8.850	8.848	(1.142)	237534	45.2075	9.041
8 Dichlorodifluoromethane	85	1.585	1.583	(0.311)	162924	45.1122	9.022
9 Chloromethane	50	1.738	1.748	(0.341)	359713	55.2146	11.043
10 Vinyl Chloride	62	1.845	1.831	(0.362)	267706	54.7871	10.957
11 Bromomethane	94	2.141	2.127	(0.420)	110879	65.9456	13.189
12 Chloroethane	64	2.212	2.210	(0.434)	148116	62.3961	12.479
13 Trichlorofluoromethane	101	2.354	2.352	(0.462)	201078	49.8680	9.974
15 Acrolein	56	2.673	2.671	(0.524)	330545	517.077	103.42(A)
16 Acetone	43	2.792	2.790	(0.548)	80962	34.1666	6.833
17 1,1-Dichloroethene	61	2.768	2.766	(0.543)	331870	53.9650	10.793
18 Freon-113	151	2.815	2.837	(0.552)	120152	51.0161	10.203
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.957	2.955	(0.580)	594197	51.7248	10.345
21 Methylene Chloride	84	3.147	3.145	(0.617)	202998	48.8503	9.770

22 Acetonitrile	41	3.016	3.014 (0.592)	290511	473.321	94.664(A)
23 Acrylonitrile	53	3.324	3.322 (0.652)	759767	498.894	99.779(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94206.D
Report Date: 17-Jun-2005 07:18

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.360	3.358	(0.659)	425795	47.9850	9.597
	25 trans-1,2-Dichloroethene	61	3.371	3.369	(0.661)	325537	52.1556	10.431
	26 Hexane	57	3.584	3.582	(0.703)	365529	48.7031	9.741
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.703	3.701	(0.726)	399169	52.5308	10.506
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.164	4.162	(0.817)	99227	38.4107	7.682
M	31 1,2-Dichloroethene (total)	61				632908	98.6461	19.729
	32 cis-1,2-dichloroethene	61	4.164	4.162	(0.817)	307371	46.4904	9.298
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.413	4.411	(0.865)	337881	58.2249	11.645
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.578	4.576	(0.898)	240040	51.9406	10.388
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.720	4.718	(0.926)	190046	51.3729	10.274
	40 1,2-Dichloroethane	62	4.886	4.884	(0.958)	270495	50.7765	10.155
	41 Benzene	78	4.886	4.884	(0.958)	837029	51.6519	10.330
	42 Trichloroethene	130	5.407	5.405	(1.060)	205869	54.6484	10.930
	43 1,2-Dichloropropane	63	5.596	5.594	(1.097)	230326	51.1855	10.237
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.821	5.819	(1.142)	237567	59.1559	11.831
	48 cis-1,3-Dichloropropene	75	6.199	6.197	(1.216)	254888	42.1800	8.436
	49 4-Methyl-2-pentanone	43	6.318	6.316	(1.239)	201592	47.1993	9.440
	50 Toluene	91	6.507	6.505	(0.840)	918792	51.0746	10.215
	51 trans-1,3-Dichloropropene	75	6.685	6.683	(0.863)	216005	46.8319	9.366
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.850	6.848	(0.884)	149884	48.8788	9.776
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.004	7.002	(0.904)	166879	52.9356	10.587
	56 2-Hexanone	43	7.063	7.061	(0.911)	114429	28.0484	5.610
	57 Dibromochloromethane	129	7.217	7.215	(0.931)	152481	52.3109	10.462
	58 1,2-Dibromoethane	107	7.324	7.322	(0.945)	136337	50.5791	10.116
	59 Chlorobenzene	112	7.773	7.771	(1.003)	556386	49.1680	9.834
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	7.868	7.866	(1.015)	979088	49.5541	9.911
	62 m + p-Xylene	91	7.974	7.972	(1.029)	1482338	96.1508	19.230
M	63 Xylenes (total)	91				2231410	144.362	28.872
	64 Xylene-o	91	8.353	8.351	(1.078)	749072	48.2108	9.642
	65 Styrene	104	8.365	8.363	(1.079)	527928	42.6885	8.538
	66 Bromoform	173	8.542	8.552	(1.102)	68049	42.5435	8.509
	67 Isopropylbenzene	105	8.696	8.706	(1.122)	902587	49.9537	9.991
	68 1,1,2,2-Tetrachloroethane	83	8.980	8.978	(0.900)	173746	52.1296	10.426
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

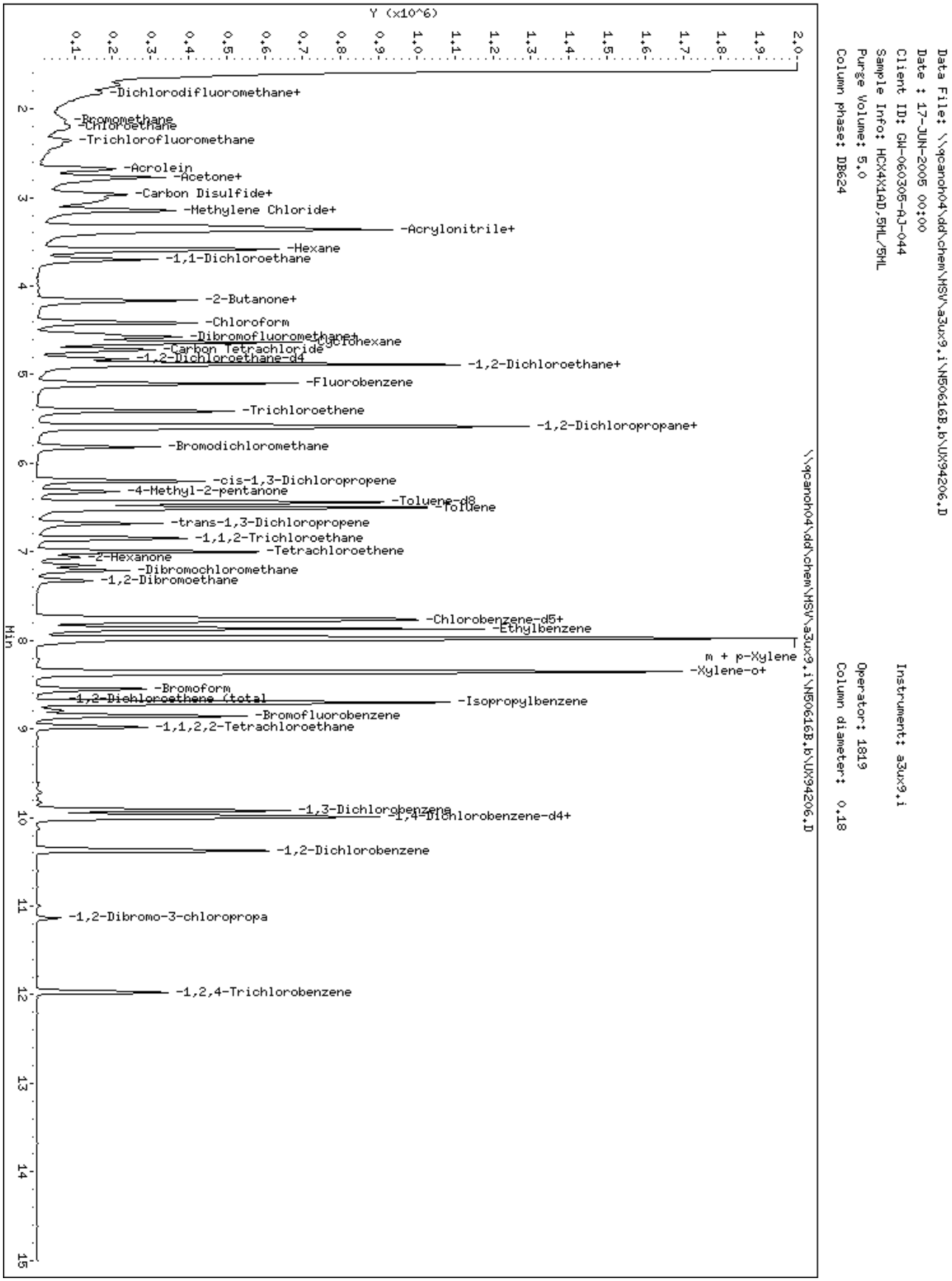
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94206.D
Report Date: 17-Jun-2005 07:18

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.915	9.925	(0.994)	339115	47.9627	9.592
81 1,4-Dichlorobenzene	146	10.010	10.008	(1.004)	344141	48.2507	9.650
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.376	10.374	(1.040)	320893	48.4566	9.691
84 1,2-Dibromo-3-chloropropane	157	11.134	11.144	(1.116)	18209	45.3437	9.069
85 1,2,4-Trichlorobenzene	180	11.974	11.972	(1.200)	136543	42.4768	8.495
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.637	4.636	(0.910)	433257	45.8501	9.170
143 Methyl Acetate	43	3.052	3.050	(0.599)	138878	43.2129	8.642
144 Methylcyclohexane	83	5.584	5.582	(1.095)	320223	43.4104	8.682
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 17-JUN-2005 00:00
Client ID: GW-060305-AJ-044
Sample Info: HCX4X1AD,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1819
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-Bromodichloromethane
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-Ethylbenzene
m + p-Xylene
-Xylene-o+
-Bromoform
-1,2-Dichloroethene (total)
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux9.i\N50616B.b\UX94206.D

MISCELLANEOUS DATA

UX7
Batch # _____

STL-North Canton
GC/MS VOA Run Log

Date: 6-7

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold – min	to – C @ – C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min	IS # V3115 SS # V3116	Hold 3 min	Bake: 5 min @ 250 C
			Heated purge: Yes No

Auto num	Sample ID Workorder	Method	File Name	Amt purge	Std number Sample prep	Comments	Status
–	BFB		BFB588	50ng	Dir Inj	A-TUNE!	OK
1	Blank		UX70946	5mL		Stuck on/wait for P&T	—
–	BFB		BFB589	50ng	Dir. Inj		OK
2	P260STD		UX70947	250ng	V3126 V3124 V3127	QC failed 6 cmpds out!	—
3	App IX STD		UX70948	↓	V3119 V3120	Re-Calibrate!	—
–	BFB		BFB590	50ng	Dir. Inj.	B-TUNE! 1632	OK
1	Blank		UX70949	5mL			—
2	1000STD		UX70950	1000ng	V3126 V3124 V3127 V3130 SS		OK
3	500STD		UX70951	500ng			OK
4	250STD		UX70952	250ng		U50604	OK
5	100STD		UX70953	100ng			OK
6	50STD		UX70954	50ng			OK
7	25STD		UX70955	25ng	↓		OK
8	ICV		UX70956	250ng	V3056		OK
9	1000-A9 STD		UX70957	1000ng	V3119 V3120		D
10	500-A9 STD		UX70958	500ng			
11	250-A9 STD		UX70959	250ng			
12	100-A9 STD		UX70960	100ng			
13	50-A9 STD		UX70961	50ng		No purge.	
14	25-A9 STD		UX70962	25ng			
15	Check		UX70963	5g/5mL	250ng FAS V3129		—
16	Check DUP		UX70964	↓	↓		—
17	MBLK		UX70965	↓			—

Analyst: TJL
Level 2 review: TC

PDF DONE

UX7
Batch # 5160311

STL-North Canton
GC/MS VOA Run Log

6/13 Date: 6-8-05
MS#: 5160218

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 5 min @ 250 C
	IS # V3115 SS # V3116		Heated purge: (Yes) No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number Sample prep	Comments	Sample status	
—	BFB		BFB593	50g	Direct Inj.	(1051)	Ok	
1	Blank		UX71020	5ml/tal			Ok	
2	8260 STD		UX71021	250g	V3126, V3127 V3124	U50604	Ok	
3	Check	HC9LR1AC	UX71022	5g/tal	250g	V3129 FAS	Ok	
4	Check Dup	HC9LR1AD	UX71023				Ok	
5	V3116	HC9LR1AA	UX71024				Ok	
6	HCVAK1AD		UX71025	5g/tal		IS↓ 6/13		ASF030150
7	HCVAM1AD		UX71026				Ok	
8	HCVAQ1AD		UX71027				Ok	
9	HCVAQ1AG	MS	UX71028		250g	V3129 FAS	Ok	
10	HCVAQ1AH	MSD	UX71029				Ok	
11	HCRHD1AC		UX71030	4.54g/tal		(E.D.) 6/16	Ok	ASF020248
12	HCRHE1AC		UX71031	3.09g/tal		SS↓ only one US vial	Ok	
13	HCRHG1AC		UX71032	5.72g/tal			Ok	
14	HCRHQ1AC		UX71033	5.03g/tal		100ml	(O)	
15	HCRHR1AC		UX71034	4.89g/tal		IS↓↓↓ only one US vial (10mLS)		
16	HCRHX1AC		UX71035	4.26g/tal			Ok	
17	HCRHO1AC		UX71036	5.75g/tal		(MI)	Ok	
18	HCRHY1AC		UX71037	6.30g/tal		(MI)	Ok	
19	HCRHN1AC		UX71038	5.89g/tal			Ok	
20	HC3JX1AD		UX71039	5g/tal		6/17	Ok	ASF020168
21	HC3J31AD		UX71040			6/	Ok	
22	HC3J61AD		UX71041				Ok	
23	HC3J71AD		UX71042			(MI)	Ok	
24	HC3KD1AD		UX71043				Ok	
25	HC3DV1AC		UX71044			IS↓ (MI) 6/17		ASF070152
26	HCWQF1AA		UX71045	4.63g/tal		(E.D.) 6/17	Ok	ASF030312
27	HCX361AA		UX71046	4.29g/tal		(E.D) 6/17	Ok	ASF040126

SAM 6-9-05

Analyst: SAM
Level 2 review: [illegible]

PDF DONE

UX9
Batch # 5165513

STL-North Canton
GC/MS VOA Run Log

(6.15)

Date: 6-13-5
2nd

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold - min	to - C @ - C/min	Desorb: 1 min @190 C
Flow Rate 0.4ml/min	IS # U3147 SS # U3138	Hold 3 min	Bake: 5 min @ 210 C
			Heated purge: Yes (No)

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status	
	BFB		BFB239	50 ng		(R)		
	BFB		BFB240	50 ng		V (R)		
	BFB		BFB241	50 ng	direct	injection (18:52)	OK	
1	Approstd		ux94050	50 ng	U3139 U3156	V50525	OK	
2	8260 std		ux94051	250 ng	U3135 U3157 U3158		OK	
3			ux94052	100 ng			OK	
4			ux94053	50 ng		V50613	OK	
5			ux94054	25 ng			OK	
6			ux94055	5 ng			OK	
7			ux94056	2.5 ng			OK	
8	ICV/check		ux94057	50 ng	U3144	HdK9F1AC	OK	
9	Blank		ux94058	5 ml		1AA	OK	
10	check		ux94059	50 ng	U3144	1Ad	OK	
11	HCQWK1A9		ux94060	5 ml		6.16	OK	020409
12	HCQXL1A4		ux94061	5 ml			OK	
13	HC6Ld-1A6	VAP	ux94062	5 ml		6.15	OK	080233
M 14	HC6ME1A6		ux94063	5 ml			OK	
15	HC6MF1Ad		ux94064	5 ml			OK	
16	HC6MH1Ad		ux94065	5 ml			OK	
17	HC6ML1AH		ux94066	5 ml			OK	
18	HC6M01AH		ux94067	5 ml			OK	
19	HC6M21Aw		ux94068	5 ml			OK	
20	HC6M21AX	ns	ux94069	5 ml	+50 ng	U3144 HSRun#	OK	
21	HC6M21A0	nsd	ux94070	5 ml	+50 ng	U3144 5165310	OK	
22	HC6M61AH		ux94071	5 ml			OK	
23	HC6M81AH		ux94072	5 ml			OK	
24	HC6M91A5		ux94073	5 ml			OK	
25	HC6NF1Ad		ux94074	5 ml			OK	
26	HC6NH1AA		ux94075	5 ml			OK	
27	HC7A61AC		ux94076	5 ml		6.15	OK	080308
28	HC7CC1AC		ux94077	5 ml			OK	
29	HC7CE1AA		ux94078	5 ml			OK	
						6.14.5 JAM		

Analyst: SAM
Level 2 review: [illegible]

(DOC DONE)

UX9
Batch # 5168046

STL-North Canton
GC/MS VOA Run Log

(6.16)

Date: 6.16.5

2nd tune

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @190 C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 5 min @ 210 C
	IS # V3172 SS # V3162		Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number/ Sample prep	Comments	Sample status	
	BFB		BFB248	50ng	direct	injection (17:19)	OK	
1	Appx std		ux94189	50ng	V3163 V3156	V50525	OK	
2	8260 std		ux94190	50ng	V3157 V3160 V3158	V50613	OK	
3	check	✓	ux94191	50ng	V3144	HdR2x 1AC	OK	
4	Blank	✓	ux94192	5ml		1AA	OK	
5	check	✓	ux94193	50ng	V3144	1Ad	OK	
6	HC3Q01AA	GM	ux94194	25ul/5ml		SS1 6.16		070199
7	HC3TC1AA	✓	ux94195	5ml			OK	
8	HdFAK1AA	TX	ux94196	50ul/5ml		(R) 30ul 6.16		100338
9	HdFV61AA	Ed T	ux94197	5ml		6.17	OK	110171
10	HdFW61AF	✓	ux94198	5ul/5ml			OK	
11	HdFW81AA	✓	ux94199	5ml			OK	
12	HCX39.1AL	✓	ux94200	5ml		6.17	OK	040124
13	HCX4K.1AA	Ed T	ux94201	5ml		SS1 NP 6.17	OK	040126
14	HCX4N1AA	Ed	ux94202	5ml			OK	
15	HCX4R1AA	✓	ux94203	5ml			OK	
16	HCX4X1AA	✓	ux94204	5ml			OK	
17	HCX4X1AC	MS	ux94205	5ml	+50ng	V3144 MS Run# 5168031	OK	
18	HCX4X1Ad	MSd	ux94206	5ml	+50ng	V3144	OK	
19	HCX41AA	✓	ux94207	5ml			OK	
20	HCX481AA	✓	ux94208	5ml			OK	
21	HCX5K1AA	✓	ux94209	5ml			OK	
22	HCX5M1AA	✓	ux94210	5ml			OK	
23	HCX5Q1AA	✓	ux94211	5ml			OK	
24	HCX2M.1AA	✓	ux94212	150ul/5ml		(TICS) 6.24	OK	040118
25	HCX2U1AA	✓	ux94213	350ul/5ml			OK	
26	HCX2X1AA	✓	ux94214	5ml			OK	
27	HCX21-1AA		ux94215	80ul/5ml		(R) 200ul		
28	HC3Q0-1AA	GM	ux94216	25ul/5ml			OK	
29	HdFAK1AA	TX	ux94217	30ul/5ml		6.16	OK	100338
						6.17.5 SMM		

Analyst: SMM
Level 2 review: [signature]

Ds 727459
PF = 0.45646
VF = 0.44128

UX14
Batch # 5138238

STL-North Canton
GC/MS VOA Run Log

5/26

Date: 5-17-05

MS#1,5138142

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	35 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @190 C
Flow Rate ~~0.4ml/min~~ 0.6ml/min		Hold 3 min	Bake: 6 min @225 C
	IS # V3063 SS # V3064		Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
–	BFB		BFB14536	50 ng	Direct Inj	1120	Ok
1	Blank		141134	5 ml/ml			Ok
2	8260 STD		141135	1000 ng	V3049 V3055 V3056 V3060		Ok
3			141136	500 ng			Ok
4			141137	250 ng		R50517	Ok
5			141138	100 ng			Ok
6			141139	50 ng			Ok
7			141140	25 ng			Ok
8			141141	10 ng			Ok
9			141142	5 ng			Ok
10	ICV		141143	5 ml/ml	250 ng	V3057FAS	Ok
11	CHeck		141144	5 g/ml	250 ng		Ok
12	CHeck	HAQNA1AC	141145				Ok
13	[illegible]	HAQNA1AA	141146				Ok
14	HAEAR1AA		141147	5 g/ml		ISL (XL) 5/26	Ok
15	HAEA41AA		141148				Ok
16	HAECK1AA		141149				Ok
17	HAECV1AA		141150				Ok
18	HAECV1AD	MS	141151		250 ng	V3057FAS	Ok
19	HAECV1AE	MSD	141152				Ok
20	HAEEG1AC		141153				Ok
21	HAEFR1AA		141154				Ok
22	HAEFV1AA		141155				Ok
23	HAEF11AA		141156				Ok
24	HAEF21AA		141157				Ok
25	HAEF31AA		141158				Ok
26	HAEA11AA		141159	2.5 g/ml			Ok
27	HAEA71AA		141160				Ok
28	HAEA91AA		141161	1 g/ml			Ok
29	HAECF1AA		141162				Ok

ASE12024

SAM 5-18-05

Analyst: SAM
Level 2 review: TL

PDF Made: ✓

UX14
Batch #5161402

STL-North Canton
GC/MS VOA Run Log

6/13 Date: 6-17-05
MS#: 5161254

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	35 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold – min	to – C @ – C/min	Desorb: 1 min @190 C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 6 min @ 225 C
	IS # V3121 SS # V3122		Heated purge: (Yes) No

Autonum	Sample ID Workorder#	Method	File Name	Amt purged	Std number Sample prep	Comments	Sample status	
–	BFB		BFB 14558	50ng	Dir. Inj.	12:54	ok	
1	Blank		141845	5mL			—	
2	8260 STD		141846	25ng	V3127 V3124 V3126	R50517	ok	
3	Air ☒ STD		141847	↓	V3119 V3120	R50523-149	ok	
4	Check HDD	PA1AC	141848	5g/5mL	25ng FAB V3129	✓	ok	
5	Check DuPHOD	PA1AD	141849		↓	✓	ok	
6	MBLK HDD	PA1AA	141850			✓	ok	
7	HCVAK1AD	VAP	141851			6/13	Ok	030150
8	HC3DV1AC	8260	141852			E.D. 6/17	Ok	070152
9	HC3J81AF	VAP	141853			6/17	Ok	070168
10	HC3KC1AF	↓	141854	↓		↓	Ok	↓
11	HCRH71AC	8260	141855	4.37g/5mL		only 1 vial E.D. 6/16	Ok	020248
12	HCRH81AC		141856	5.26g/5mL		↓ ↓ ↓	Ok	↓
13	HCVC81AC	↓	141857	4.29g/5mL		E.D. 6/17	Ok	030153
14	HCQDA1AA	☒	141858	5.49g/5mL		SSV 6/16		020111
15	HCX5C1AA	8260 T-6/9/05	141859	4.14g/5mL		(E.D.) 6/17	Ok	040126
16	HCX5C1AC	MSD	141860	4.81g/5mL	25ng FAB V3129	ISVAK	Ok	
17	HCX5C1AD	MSD	141861	4.38g/5mL	↓		Ok	
18	HCX5J1AA	↓	141862	4.70g/5mL		↓	Ok	
19	HCT4E1AA	☒	141863	5.87g/5mL		(E.D) 6/17	Ok	030133
20	HCT4L1AL		141864	4.41g/5mL			Ok	
21	HCT42JAW		141865	4.88g/5mL			Ok	
22	HCT4R1AA		141866	6.17g/5mL		SSV		
23	HCT4W1AM		141867	6.61g/5mL		DV		
24	HCT401AO	↓	141868	5.21g/5mL		↓	Ok	
25	HCRHJ1AC	8260	141869	1mL/5mL	5160406	4.64 (E.D) Pure 6/3 90ul 6/16	ⓝ	020248
26	HCRHQ1AC		141870	100ul/5mL		4.86g ug/ml - 53ug/ml	Ok	
27	HCRHB1AC		141871	1/10 + 15ml/5mL		5.26g	Ok	
28	HCRJN1AC		141872	100ul/5mL		5.25g 5g	ⓝ	
29	HCVDC1AC		141873	5ml/5mL	5160406	4.72g (E.D) 6/17	Ok	030153
30	HCVDD1AC	↓	141874	50ml/5mL	↓	5.30g 1ml Hex - 26/6 mg/ml m/p-xyl/ml 2-31/82	ⓝ	↓

Analyst: TJL
Level 2 review: TC
PDF Made: ✓

pH/Free Chlorine Worksheet

Lot: A5F040126

A5F040126

Sample	Work Order	SAC	Client Sample ID	pH	Free Chlorine
2	HCX4K-1AA	XX I 25 QK 01	GW-060305-AJ-041	<2	N
3	HCX4N-1AA	XX I 25 QK 01	GW-060305-AJ-042	<2	N
4	HCX4R-1AA	XX I 25 QK 01	GW-060305-AJ-043	<2	N
5	HCX4X-1AA	XX I 25 QK 01	GW-060305-AJ-044	<2	N
6	HCX41-1AA	XX I 25 QK 01	W-060305-AJ-045	<2	N
7	HCX48-1AA	XX I 25 QK 01	W-060305-AJ-050	<2	N
10	HCX5K-1AA	XX I 25 QK 01	GW-060305-AJ-048	<2	N
11	HCX5M-1AA	XX I 25 QK 01	GW-060305-AJ-049	<2	N
12	HCX5Q-1AA	XX I 25 QK 01	TRIP BLANK	<2	N

VOA 5035 Soil Preservation Log

STL - North Canton

Preservation date	Sample Workorder#	High level sample wt. (g)	Low level sample wt. (g)	Low level sample wt. (g)	Low level preservative*	time	MeOH Batch #	MeOH QC data	Comments
6-5-05	HCVC9	4.70	5.31	4.98	H	13:47		5ml micro surr # V3100	
	HCVDC	4.72	4.97	5.31					Coff.
	HCVDD	5.30	5.56	5.09					
	BLK #3	5.00g						5ml micro surr # V3106	
	LCS #3							100ml micro tus spike # V3128	
	LCSD #3								
	HCWQF 05-AJ-038	4.19	4.63		H	17:09			
6-4-05	BLK	5.00g						5ml micro surr # V3100	
	LCS							100ml micro tus spike # V3128	
	LCSD								
	HCX3G	4.24	4.29	4.63	H	14:54			
	HCX5J	4.62	4.70	4.57					
	HCX5C	4.89	4.14	4.43					
	HCX5CMS	4.47	4.81	4.52				100ml micro tus spike # V3128	
	HCX5CMSD	4.64	~~4.37~~ 4.38	4.05 4.66					
6-6-05	BLK	5.00g						5ml micro surr # V3100	
	LCS							100ml micro tus spike # V3128	
	LCSD								
	HCFQ4	5.29g							
	HCFRD	~~5.06g~~	5.50g						
	HCFRG	5.32g							
	HCFRH	5.63g							

*H = 5ml water and freeze
*N = 5ml sodium bisulfate solution

Lot/SDG Number: **A5F040126**

Sample Control Chain of Custody - STL North Canton
GC/MS Volatiles

Lot Number	Sample	Work Order	Analysis Type	Analysis Date	Analyst
A5F040126	1	HCX361AA	Volatile Organics, GC/MS (8260B)	06/08/05	Steve Macenczak
A5F040126	2	HCX4K1AA	Volatile Organics, GC/MS (8260B)	06/16/05	Susan Kardohely
A5F040126	3	HCX4N1AA	Volatile Organics, GC/MS (8260B)	06/16/05	Susan Kardohely
A5F040126	4	HCX4R1AA	Volatile Organics, GC/MS (8260B)	06/16/05	Susan Kardohely
A5F040126	5	HCX4X1AA	Volatile Organics, GC/MS (8260B)	06/16/05	Susan Kardohely
A5F040126	6	HCX411AA	Volatile Organics, GC/MS (8260B)	06/17/05	Susan Kardohely
A5F040126	7	HCX481AA	Volatile Organics, GC/MS (8260B)	06/17/05	Susan Kardohely
A5F040126	8	HCX5C1AA	Volatile Organics, GC/MS (8260B)	06/09/05	Todd Lata
A5F040126	9	HCX5J1AA	Volatile Organics, GC/MS (8260B)	06/09/05	Todd Lata
A5F040126	10	HCX5K1AA	Volatile Organics, GC/MS (8260B)	06/17/05	Susan Kardohely
A5F040126	11	HCX5M1AA	Volatile Organics, GC/MS (8260B)	06/17/05	Susan Kardohely
A5F040126	12	HCX5Q1AA	Volatile Organics, GC/MS (8260B)	06/17/05	Susan Kardohely

GENERAL CHEMISTRY DATA

SAMPLE DATA

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-060305-AJ-040

General Chemistry

Lot-Sample #...: A5F040126-001 **Work Order #...:** HCX36 **Matrix.....:** SO
Date Sampled...: 06/03/05 07:40 **Date Received..:** 06/04/05
% Moisture.....: 5.5

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	94.5	10.0	%	MCAWW 160.3 MOD	06/10-06/13/05	5161486

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-060305-AJ-046

General Chemistry

Lot-Sample #...: A5F040126-008 **Work Order #...:** HCX5C **Matrix.....:** SO
Date Sampled...: 06/03/05 15:45 **Date Received..:** 06/04/05
% Moisture.....: 7.2

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	92.8	10.0	%	MCAWW 160.3 MOD	06/10-06/13/05	5161486

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-060305-AJ-047

General Chemistry

Lot-Sample #...: A5F040126-009 **Work Order #...:** HCX5J **Matrix.....:** SO
Date Sampled...: 06/03/05 15:48 **Date Received..:** 06/04/05
% Moisture.....: 2.9

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	97.1	10.0	%	MCAWW 160.3 MOD	06/10-06/13/05	5161486

Dilution Factor: 1

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A5F040126 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids		Work Order #: HDG571AA		MB Lot-Sample #:	A5F100000-486	
	ND	10.0	%	MCAWW 160.3 MOD	06/10-06/13/05	5161486
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A5F040126 **Work Order #...:** HCX5C-SMP **Matrix.....:** SO
HCX5C-DUP
Date Sampled...: 06/03/05 15:45 **Date Received..:** 06/04/05
% Moisture.....: 7.2

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #: A5F040126-008		
	92.8	94.3	%	1.6	(0-20)	MCAWW 160.3 MOD	06/10-06/13/05	5161486

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A5F040126 **Work Order #...:** HC8X9-SMP HC8X9-DUP **Matrix.....:** SOLID

Date Sampled...: 06/08/05 18:05 **Date Received..:** 06/09/05

% Moisture.....: 15

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #: A5F090147-002		
	85.3	84.5	%	1.0	(0-20)	MCAWW 160.3 MOD	06/10-06/13/05	5161486

Dilution Factor: 1

SUPPORTIVE RAW DATA

STL North Canton General Chemistry Data Review Checklist

Parameter(s): TS % moisture

Batch(es): 5161486/1500

Method #/SOP#: 160.3

Review Items	Level I Review			Level II Review		
	YES	NO	N/A	YES	NO	N/A
A. Initial Calibration						
1. Initial calibration correlation coefficient ≥ 0.995?			✓			✓
2. Calibration curve consist of the minimum number of calibration standards?			✓			✓
3. ICV analyzed at immediately after calibration and within control limits ? (TRAACS Nitrate/Nitrite, Cyanide 85-115%; all others 90-110%)			✓			✓
4. ICB analyzed immediately after ICV and within criteria (± RL)?			✓			✓
B. Continuing Calibration						
1. CCV analyzed every 10 samples, at end of sequence and within criteria?			✓			✓
2. CCB analyzed every 10 samples, at end of sequence & within criteria (±RL)?			✓			✓
C. Sample Results						
1. Were samples with concentrations > the linear range diluted and reanalyzed ?			✓			✓
2. All reported results bracketed by in control QC ?	✓			✓		
3. Sample analyses done within holding time ?	✓			✓		
D. Quality Control						
1. LCS per prep batch and within QC limits ? *(LCSD, where applicable)*			✓			✓
2. Method blank done per prep batch and < RL. Method blank RL supports the lowest RL reported for the batch?	✓			✓		
3. MS/MSD run at required frequency and evaluated? MS/MSD reported properly and calculated correctly?			✓			✓
4. Duplicate samples run at required frequency (duplicate sample performed per matrix encountered)?	✓			✓		
E. Titrant						
1. Titrant standardized?			✓			✓
2. If no, standardization expires						
F. Other						
1. Are all nonconformances documented appropriately (NCM or narrative)?			✓			✓
2. Calculations checked for error ?			✓			✓
3. Transcriptions checked for error ?	✓			✓		
4. All client/project specific requirements met ?	✓			✓		
5. Date/time of preparation and analysis verified as correct ?	✓			✓		
6. Units verified as correct?	✓			✓		
7. Dilutions have been properly applied and RL's adjusted appropriately?			✓			✓
8. SOP followed?	✓			✓		
9. Calculations checked at minimum frequency (at least 20%, 100% for QC)?			✓			✓
10. All reagent and standard numbers recorded in logbook?			✓			✓
11. Edits dated and initialed			✓			✓

Comment on any "NO" response(s):

Level I reviewer: Rebecca Nolan Date: 6/13/05

Level II Reviewer: Angela Serra Date: 6/13/05

Level I review:

N:\QAQC\Lab_form\Wet Chemistry Forms\Wet Chem_LevelI.doc
Corporate Policy, QA-012
Revision date: 08/25/00

			STL North Canton			
		Percent Total Solid/Percent Moisture Logsheet				
Analysis	TS			Batch	5161486	/1500
Prep Date	6/10/05	Time In	1:53	Analyst	MH	
Anal date	6/13/05	Time Out	8:00	RL	10	
Sample	Tare	Wet	Dry	Result TS	Result MS	comments
Id	wt	wt	wt	%	%	
BLK A	4.6174	4.5291	4.5063	2.94	ND	
HDCTH	4.6174	22.1241	19.3387	84.090	15.910	
HC2C3	4.6174	9.7753	9.7331	99.182	0.818	
HC1F9	4.6174	9.206	9.1546	98.880	1.120	
HC1G6	4.6174	7.5437	7.4852	98.001	1.999	
HC1G9	4.6174	10.7909	10.6799	98.202	1.798	
HCX36	4.6174	11.931	11.5284	94.495	5.505	
HCX5C	4.6174	14.9473	14.2044	92.808	7.192	
HCX5C-X	4.6174	14.8873	14.3056	94.336	5.664	
HCX5J	4.6174	18.5177	18.1175	97.121	2.879	
HC3JX	4.6174	21.736	19.7241	88.247	11.753	
HC3J3	4.6174	18.6264	17.044	88.704	11.296	
HC3J6	4.6174	23.6932	21.137	86.600	13.400	
HC3J7	4.6174	18.9204	15.9797	79.440	20.560	
HC3J8	4.6174	18.2936	16.7784	88.921	11.079	
HC3KC	4.6174	25.104	22.1546	85.603	14.397	
HC3KD	4.6174	24.032	18.6743	72.404	27.596	
HC8X5	4.6174	28.3693	24.1548	82.256	17.744	
HC8X9	4.6174	24.815	21.8556	85.348	14.652	
HC8X9-X	4.6174	23.6152	20.669	84.492	15.508	
HC3DV	4.6174	19.4096	12.1531	50.944	49.056	
HC3D8	4.6174	15.253	8.9522	40.757	59.243	
HCL7K	4.6174	7.9586	5.7305	33.314	66.686	BATCH=
	4.6174			100.000	0.000	5161500
	4.6174			100.000	0.000	
	4.6174			100.000	0.000	
	4.6174			100.000	0.000	
	4.6174			100.000	0.000	
	4.6174			100.000	0.000	

MS 5164200

STL North Canton

Sample Control Chain of Custody for General Chemistry

Lot Number	Sample	Suffix	Lab ID	Test	Prep Date	Prepared by	Analysis Date	Analyzed by
A5F040126	1		HCX361AC	Solids, Percent (as TS - 160.3 MOD) - Solids	06/10/05	Olguita Colon	06/13/05	Rebecca Nolan
A5F040126	8		HCX5C1AE	Solids, Percent (as TS - 160.3 MOD) - Solids	06/10/05	Olguita Colon	06/13/05	Rebecca Nolan
A5F040126	8	X	HCX5C1AF	Solids, Percent (as TS - 160.3 MOD) - Solids	06/10/05	Olguita Colon	06/13/05	Rebecca Nolan
A5F040126	9		HCX5J1AC	Solids, Percent (as TS - 160.3 MOD) - Solids	06/10/05	Olguita Colon	06/13/05	Rebecca Nolan

END OF REPORT

APPENDIX E

DATA VALIDATION MEMORANDUM

CONESTOGA-ROVERS & ASSOCIATES
8615 W. Bryn Mawr Avenue
Chicago, Illinois 60631

TELEPHONE: (773) 380-9933
FACSIMILE: (773) 380-6421

MEMORANDUM

TO: Bruce Clegg

REF. NO.: 034891

FROM: Julie Czech/lg/2

DATE: July 15, 2005

RE: **Data Quality Assessment and Validation for Groundwater and Soil Samples Collected from the Evergreen Manor Site in Roscoe, Illinois**

The following details a data quality assessment and validation of the data resulting from the May 23-27, 2005 and June 1-3, 2005 collection of groundwater and soil samples from the Evergreen Manor Site in Roscoe, Illinois. The samples, identified in Table 1, were analyzed for the parameter listed in Table 2 by Severn Trent Laboratories of North Canton, Ohio. The analytical method used is presented in Table 2. The quality assurance evaluation criteria used to assess the data were established by the Site-specific quality assurance project plan.[1]

Holding Time Periods

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Gas Chromatography/Mass Spectrometry (GC/MS) Instrument Performance Checks

To ensure adequate mass resolution, identification, and sensitivity, the performance of each GC/MS instrument used for VOC analysis was checked at the beginning of each 12-hour analysis period using bromofluorobenzene. The results of all instrument performance checks were acceptable.

Initial Calibration Data

Initial calibration data were used to demonstrate that each instrument was capable of generating acceptable quantitative data. Initial calibration acceptance criteria for the VOC analyses required that all compounds meet a method-specified minimum relative response factor (RRF) and maximum relative standard deviation (%RSD). The initial calibration data were acceptable.

Continuing Calibration Data

To ensure that each instrument was capable of producing acceptable quantitative data throughout the analysis period, routine instrument calibration checks were performed. Continuing calibration acceptance criteria for the VOCs analyses required that all compounds meet a method-specified minimum RRF and maximum percent difference (%D) between the initial calibration mean RRF and the continuing calibration

[1] Application of quality assurance criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

RRF. Table 4 presents the sample data that should be qualified. The remaining continuing calibration data were acceptable.

Method Blank Sample Data

Contamination of samples contributed by laboratory conditions or procedures was monitored by the data from concurrent preparation and analysis of method blank samples. Table 5 presents the sample data that should be qualified. The remaining method blank sample data were acceptable.

Internal Standards Performance Data

Overall instrument performance for the VOC analyses was monitored by evaluating internal standards peak area and retention time data. The internal standards data were acceptable.

Surrogate Compounds Data

Individual sample performance for the organic analyses was monitored by assessing surrogate compounds percent recovery data. Table 6 presents the sample data that should be qualified. The remaining surrogate compounds percent recovery acceptance criteria were met or the sample data were previously qualified and additional qualification was deemed unnecessary.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and relative percent differences (RPDs) were determined. The MS/MSD sample data were acceptable.

Laboratory Control Sample/Laboratory Control Sample Duplicate Sample Analyses

The accuracy and precision of the PCB analyses were assessed by evaluating the percent recovery and RPD data from laboratory control sample/laboratory control sample duplicate (LCS/LCSD) analyses. The LCS/LCSD percent recovery and RPD data were acceptable.

Field Quality Assurance/Quality Control (QA/QC)

The field QA/QC consisted of five trip blank samples, seven field blank (equipment rinsate blank) samples, and five field duplicate sample sets.

To monitor potential sample cross-contamination by VOCs during sample transportation and storage, a trip blank sample was submitted to the laboratory for VOC analysis with each shipping cooler containing VOC samples. Table 7 presents the sample data that should be qualified. The remaining trip blank sample data were acceptable or the sample data were previously qualified and additional qualification was deemed unnecessary.

To monitor the effectiveness of the equipment decontamination procedures, seven field equipment rinsate blank sample were collected and analyzed. Table 8 presents the sample data that should be qualified. The remaining field blank sample data were acceptable or the sample data were previously qualified and additional qualification was deemed unnecessary.

Overall precision for the sampling and analysis event was monitored by the results of a field duplicate

sample set. Table 9 summarizes the detected analyte data from the field duplicate sample set. The RPD data were acceptable.

Completeness

Completeness, as determined by the total number of usable results versus the total number of results, was required to be 90 percent or greater. The completeness goal was met.

Overall Assessment

The majority of the data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use with the qualifications presented herein.

Attachments

TABLE 1

SAMPLE IDENTIFICATION NUMBERS
EVERGREEN MANOR SITE
ROSCOE, ILLINOIS

Sample ID	
GW-052305-JK-001	GW-052605-JK-026
GW-052305-JK-002	GW-052605-JK-027
GW-052305-JK-003	GW-052605-JK-028
GW-052305-JK-004	GW-052605-JK-029
GW-052305-JK-005	GW-052705-JK-030
GW-052305-JK-006	GW-052705-JK-031
GW-052405-JK-007	GW-052705-JK-032
GW-052405-JK-008	GW-060105-AJ-033
GW-052405-JK-009	S-060105-AJ-034
GW-052405-JK-010	GW-060105-AJ-035
GW-052405-JK-011	GW-060105-AJ-036
GW-052405-JK-012	GW-060205-AJ-037
GW-052405-JK-013	S-060205-AJ-038
GW-052405-JK-014	GW-060205-AJ-039
GW-052505-JK-015	S-060305-AJ-040
GW-052505-JK-016	GW-060305-AJ-041
GW-052505-JK-017	GW-060305-AJ-042
GW-052505-JK-018	GW-060305-AJ-043
GW-052505-JK-019	GW-060305-AJ-044
GW-052505-JK-020	W-060305-AJ-045
GW-052505-JK-021	S-060305-AJ-046
GW-052605-JK-022	S-060305-AJ-047
GW-052605-JK-023	GW-060305-AJ-048
GW-052605-JK-024	GW-060305-AJ-049
GW-052605-JK-025	W-060305-AJ-050

TABLE 2

SUMMARY OF ANALYTICAL METHODS
EVERGREEN MANOR SITE
ROSCOE, ILLINOIS

Parameter	*Analytical Method* [1]
Volatile Organic Compounds (VOCs)	SW-846 8260B

[1] Methods were referenced from:
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through III, November 1986.

TABLE 3

HOLDING TIME PERIODS
EVERGREEN MANOR SITE
ROSCOE, ILLINOIS

Parameter	*Holding Time Period*
VOCs (water)	- 14 days from sample collection to completion of analysis
VOCs (soil)	- 48 hours from sample collection to sample extraction - 14 days from sample extraction to completion of analysis

TABLE 4

QUALIFICATION OF SAMPLE DATA AS A RESULT OF CONTINUING CALIBRATION ACCEPTANCE CRITERIA VIOLATION
EVERGREEN MANOR SITE
ROSCOE, ILLINOIS

Analyte	*Sample ID*	*Qualifier* [1]
1,2,4-Trichlorobenzene	GW-052305-JK-002	UJ
	GW-052305-JK-003	UJ
	GW-052305-JK-004	UJ
	GW-052305-JK-006	UJ
	GW-052405-JK-008	UJ
	GW-052405-JK-009	J
	GW-052405-JK-010	UJ
	GW-052405-JK-011	UJ
	GW-052405-JK-012	UJ
	GW-052405-JK-007	UJ
	GW-052605-JK-023	UJ
	GW-052605-JK-024	UJ
	GW-052605-JK-025	UJ
	GW-052605-JK-028	UJ
	GW-052705-JK-030	UJ
	GW-052705-JK-031	J
	GW-060105-AJ-033	UJ
	GW-060105-AJ-035	UJ
	GW-060105-AJ-036	UJ

TABLE 4

QUALIFICATION OF SAMPLE DATA AS A RESULT OF CONTINUING CALIBRATION ACCEPTANCE CRITERIA VIOLATION EVERGREEN MANOR SITE ROSCOE, ILLINOIS

Analyte	*Sample ID*	*Qualifier* [1]
1,2-Dibromo-3-chloropropane	GW-052305-JK-002	UJ
	GW-052305-JK-003	UJ
	GW-052305-JK-004	UJ
	GW-052305-JK-006	UJ
	GW-052405-JK-008	UJ
	GW-052405-JK-009	UJ
	GW-052405-JK-010	UJ
	GW-052405-JK-011	UJ
	GW-052405-JK-012	UJ
	GW-052305-JK-001	UJ
	GW-052305-JK-005	UJ
	GW-052405-JK-007	UJ
	GW-052605-JK-023	UJ
	GW-052605-JK-024	UJ
	GW-052605-JK-025	UJ
	GW-052605-JK-028	UJ
	GW-052705-JK-030	UJ
	GW-052705-JK-031	UJ
	GW-052605-JK-022	UJ
	GW-052605-JK-026	UJ
	GW-052605-JK-027	UJ
	GW-052605-JK-029	UJ
	GW-052705-JK-032	UJ

TABLE 4

QUALIFICATION OF SAMPLE DATA AS A RESULT OF CONTINUING CALIBRATION ACCEPTANCE CRITERIA VIOLATION EVERGREEN MANOR SITE ROSCOE, ILLINOIS

Analyte	*Sample ID*	*Qualifier* [1]
2-Butanone	S-060305-AJ-046	UJ
	S-060305-AJ-047	UJ
	GW-060305-AJ-041	UJ
	GW-060305-AJ-042	UJ
	GW-060305-AJ-043	UJ
	GW-060305-AJ-044	UJ
	GW-060305-AJ-048	UJ
	GW-060305-AJ-049	UJ
	W-060305-AJ-045	UJ
	W-060305-AJ-050	UJ
2-Hexanone	GW-052305-JK-001	UJ
	GW-052305-JK-005	UJ
	S-060305-AJ-046	UJ
	S-060305-AJ-047	UJ
	GW-060205-AJ-037	UJ
	GW-060205-AJ-039	UJ
	GW-060305-AJ-041	UJ
	GW-060305-AJ-042	UJ
	GW-060305-AJ-043	UJ
	GW-060305-AJ-044	UJ
	GW-060305-AJ-048	UJ
	GW-060305-AJ-049	UJ
	W-060305-AJ-045	UJ
	W-060305-AJ-050	UJ

TABLE 4

QUALIFICATION OF SAMPLE DATA AS A RESULT OF CONTINUING CALIBRATION ACCEPTANCE CRITERIA VIOLATION EVERGREEN MANOR SITE ROSCOE, ILLINOIS

Analyte	*Sample ID*	*Qualifier* [1]
Acetone	GW-052305-JK-002	UJ
	GW-052305-JK-003	UJ
	GW-052305-JK-004	UJ
	GW-052305-JK-006	UJ
	GW-052405-JK-008	UJ
	GW-052405-JK-009	UJ
	GW-052405-JK-010	UJ
	GW-052405-JK-011	UJ
	GW-052405-JK-012	UJ
	GW-052405-JK-013	UJ
	GW-052405-JK-014	UJ
	GW-052505-JK-015	UJ
	GW-052505-JK-016	UJ
	GW-052505-JK-017	UJ
	GW-052505-JK-018	UJ
	GW-052505-JK-019	UJ
	GW-052505-JK-020	UJ
	GW-052505-JK-021	UJ
	GW-052305-JK-001	UJ
	GW-052305-JK-005	UJ
	GW-052605-JK-023	UJ
	GW-052605-JK-024	UJ
	GW-052605-JK-025	UJ
	GW-052605-JK-028	UJ
	GW-052705-JK-030	UJ
	GW-052705-JK-031	UJ
	S-060205-AJ-038	J
	S-060305-AJ-040	UJ
	GW-052605-JK-022	J
	GW-052605-JK-026	J

TABLE 4

QUALIFICATION OF SAMPLE DATA AS A RESULT OF CONTINUING CALIBRATION ACCEPTANCE CRITERIA VIOLATION EVERGREEN MANOR SITE ROSCOE, ILLINOIS

Analyte	*Sample ID*	*Qualifier* [1]
Acetone	GW-052605-JK-027	J
	GW-052605-JK-029	J
	GW-052705-JK-032	UJ
	S-060305-AJ-046	UJ
	S-060305-AJ-047	UJ
	GW-060205-AJ-037	J
	GW-060205-AJ-039	J
	GW-060305-AJ-041	J
	GW-060305-AJ-042	J
	GW-060305-AJ-043	J
	GW-060305-AJ-044	J
	GW-060305-AJ-048	UJ
	GW-060305-AJ-049	J
	W-060305-AJ-045	J
	W-060305-AJ-050	J
Bromoform	GW-052405-JK-007	UJ
Bromomethane	GW-052405-JK-013	UJ
	GW-052405-JK-014	UJ
	GW-052505-JK-015	UJ
	GW-052505-JK-016	UJ
	GW-052505-JK-017	UJ
	GW-052505-JK-018	UJ
	GW-052505-JK-019	UJ
	GW-052505-JK-020	UJ
	GW-052505-JK-021	UJ
	GW-060305-AJ-041	UJ
	GW-060305-AJ-042	UJ
	GW-060305-AJ-043	UJ

TABLE 4

QUALIFICATION OF SAMPLE DATA AS A RESULT OF CONTINUING CALIBRATION ACCEPTANCE CRITERIA VIOLATION EVERGREEN MANOR SITE ROSCOE, ILLINOIS

Analyte	*Sample ID*	*Qualifier* [1]
Bromomethane	GW-060305-AJ-044	UJ
	GW-060305-AJ-048	UJ
	GW-060305-AJ-049	UJ
	W-060305-AJ-045	UJ
	W-060305-AJ-050	UJ
Chloroethane	GW-060305-AJ-041	UJ
	GW-060305-AJ-042	UJ
	GW-060305-AJ-043	UJ
	GW-060305-AJ-044	UJ
	GW-060305-AJ-048	UJ
	GW-060305-AJ-049	UJ
	W-060305-AJ-045	UJ
	W-060305-AJ-050	UJ
Cyclohexane	GW-052605-JK-023	UJ
	GW-052605-JK-024	UJ
	GW-052605-JK-025	UJ
	GW-052605-JK-028	UJ
	GW-052705-JK-030	UJ
	GW-052705-JK-031	UJ
Dichlorodifluoromethane	GW-060105-AJ-033	UJ
	GW-060105-AJ-035	UJ
	GW-060105-AJ-036	UJ

TABLE 4

QUALIFICATION OF SAMPLE DATA AS A RESULT OF CONTINUING CALIBRATION ACCEPTANCE CRITERIA VIOLATION EVERGREEN MANOR SITE ROSCOE, ILLINOIS

Analyte	*Sample ID*	*Qualifier* [1]
Methyl tert-butyl ether	GW-052305-JK-001	UJ
	GW-052305-JK-005	UJ
	GW-052405-JK-007	UJ
	GW-052605-JK-022	UJ
	GW-052605-JK-026	UJ
	GW-052605-JK-027	UJ
	GW-052605-JK-029	UJ
	GW-052705-JK-032	UJ

[1] The sample results should be qualified as:
UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

TABLE 5

QUALIFICATION OF SAMPLE DATA AS A RESULT OF METHOD BLANK SAMPLE ACCEPTANCE CRITERIA VIOLATION EVERGREEN MANOR SITE ROSCOE, ILLINOIS

Analyte	*Sample ID*	*Qualifier*[1] *(µg/L)*
1,2,4-Trichlorobenzene	GW-052405-JK-009	U(1.0)
	GW-052705-JK-031	U(1.0)
Acetone	GW-052605-JK-022	U(10)
	GW-052605-JK-026	U(10)
	GW-052605-JK-027	U(10)
	GW-052605-JK-029	U(10)
	GW-060205-AJ-037	U(10)
	GW-060205-AJ-039	U(10)
	GW-060305-AJ-041	U(10)
	GW-060305-AJ-042	U(10)
	GW-060305-AJ-043	U(10)
	GW-060305-AJ-044	U(10)
	GW-060305-AJ-049	U(10)
	W-060305-AJ-045	U(10)
	W-060305-AJ-050	U(10)

Analyte	*Sample ID*	*Qualifier*[1] *(µg/kg)*
1,2,4-Trichlorobenzene	S-060305-AJ-047	U(5.5)
Carbon disulfide	S-060205-AJ-038	U(5.6)
	S-060305-AJ-040	U(6.1)

[1] The sample results should be qualified as:
U() - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

TABLE 6

QUALIFICATION OF SAMPLE DATA AS A RESULT OF SURROGATE COMPOUNDS ACCEPTANCE CRITERIA VIOLATION EVERGREEN MANOR SITE ROSCOE, ILLINOIS

Sample ID	*Analyte*	*Qualifier* [1]
GW-060305-AJ-041	1,1,1-Trichloroethane	J
	Trichloroethene	J

[1] The sample results should be qualified as:
J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

TABLE 7

QUALIFICATION OF SAMPLE DATA AS A RESULT OF TRIP BLANK SAMPLE ACCEPTANCE CRITERIA VIOLATION EVERGREEN MANOR SITE ROSCOE, ILLINOIS

Analyte	*Sample ID*	*Qualifier*[1] *(µg/L)*
Toluene	GW-060105-AJ-035	U(1.0)
	GW-060105-AJ-036	U(1.0)

[1] The sample results should be qualified as:
U() - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

TABLE 8

QUALIFICATION OF SAMPLE DATA AS A RESULT OF RINSE BLANK SAMPLE ACCEPTANCE CRITERIA VIOLATION EVERGREEN MANOR SITE ROSCOE, ILLINOIS

Analyte	*Sample ID*	*Qualifier*[1] *(µg/kg)*
Methylene chloride	S-060305-AJ-046	U(3.8)
	S-060305-AJ-047	U(5.5)

[1] The sample results should be qualified as:
U() - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

TABLE 9

SUMMARY OF DETECTED ANALYTES
FIELD DUPLICATE SAMPLE SETS
EVERGREEN MANOR SITE
ROSCOE, ILLINOIS

Analyte	*Investigative Sample GW-052305-JK-004 (µg/L)*	*Duplicate Sample GW-052305-JK-005 (µg/L)*	*RPD* [1]
Bromodichloromethane	0.18J[2]	ND(1.0)[3]	NC[4]
Chloroform	0.66J	0.47J	34
Tetrachloroethene	0.94J	0.80J	16
1,1,1-Trichloroethane	0.42J	0.33J	24

Analyte	*Investigative Sample GW-052405-JK-011 (µg/L)*	*Duplicate Sample GW-052405-JK-012 (µg/L)*	*RPD* [1]
Chloroform	0.31J	0.31J	0
Bromodichloromethane	ND(1.0)	0.15J	NC

Analyte	*Investigative Sample GW-052605-JK-024 (µg/L)*	*Duplicate Sample GW-052605-JK-025 (µg/L)*	*RPD* [1]
cis-1,2-Dichloroethene	0.62J	0.65J	4.7
Tetrachloroethene	0.29J	0.25J	15
1,1,1-Trichloroethane	1.8	1.8	0
Trichloroethene	4.6	4.8	4.3

TABLE 9

SUMMARY OF DETECTED ANALYTES
FIELD DUPLICATE SAMPLE SETS
EVERGREEN MANOR SITE
ROSCOE, ILLINOIS

Analyte	*Investigative Sample GW-060305-AJ-048 (µg/L)*	*Duplicate Sample GW-060305-AJ-049 (µg/L)*	*RPD* [1]
Tetrachloroethene	0.32J	0.46J	36
1,1,1-Trichloroethane	0.36J	0.32J	12
Trichloroethene	0.30J	0.38J	24

[1] RPD - Relative Percent Difference

[2] J - Analyte concentration between instrument detection limit and contract required detection limit

[3] ND - Not Detected

APPENDIX F

CD CONTAINING THE eDAT ELECTRONIC DATA PACKAGE