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BIOBARRIER INJECTION PILOT STUDY SUMMARY NTC ORLANDO FL

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AGVIQ-CH2MHILL

Biobarrier Injection Pilot Study Summary

Operable Unit 2, Naval Training Center Orlando, Florida

PREPARED FOR:	Art Sanford/U.S. Navy/BRAC-PMO SE
PREPARED BY:	CH2M HILL Project Team
COPIES:	David Grabka/FDEP Mike Singletary/NAVFAC SE
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1. Introduction

AGVIQ/CH2M HILL Joint Venture II (JV-II) has been contracted by the U.S. Naval Facilities Engineering Command, Southeast (NAVFAC SE) to implement the groundwater remedial action (RA) at Operable Unit 2 (OU-2) at the Former Naval Training Center (NTC) McCoy Annex in Orlando, Florida under Contract No. N62467-03-D-0260, Task Order 0005.

OU-2 is located in the southern portion of the McCoy Annex landfill at NTC Orlando, as shown on Figure 1. OU-2 consists of approximately 114 acres and includes a former landfill that was operated by the U.S. Air Force and Navy from 1960 to 1978. A nine-hole golf course now occupies a portion of the site. Based on the findings from several site investigations conducted since 1997, the Navy identified dissolved chlorinated volatile organic compounds (CVOCs) (primarily trichloroethylene [TCE]) in two shallow groundwater plumes that are migrating toward drainage ditches running along the eastern boundary of the site. The drainage canals are partially located on property now owned by the Greater Orlando Airport Authority (GOAA). Additional site information (e.g., geology and hydrogeology) is provided in the *Biobarrier Injection Pilot Study Work Plan* (AGVIQ/CH2M HILL Joint Venture II, 2006).

1.1 Purpose of Report

This technical memorandum (TM) details the remedial activities associated with the Pilot Study described above and provides recommendations for a path forward for full-scale biobarrier wall injection at OU2.

1.2 Remedial Action Objective

A permeable bioreactive barrier (biobarrier) was selected as the preferred RA alternative to intercept the portion of the southern groundwater CVOC plume entering the GOAA property. The OU-2 biobarrier will be formed at the OU-2-GOAA property line using a slow-release carbon source, such as Emulsified Oil Substrate (EOS®), injected in permanent injection wells.

However, before completing the design of the full-scale biobarrier, an injection pilot study was conducted by JV-II from June to August 2007 to evaluate the following key design parameters:

- Sustainable injection flow rate of substrate into two injection wells installed along the proposed biobarrier alignment
- Vertical and horizontal variability of substrate injection into the shallow aquifer
- Achievable radius of influence (ROI) using field data that include groundwater levels, water quality, organic carbon concentration, and bromide[1] concentrations in surrounding monitoring wells
- Substrate concentrations in the injected solution to achieve target organic carbon concentration throughout the reactive zone
- Injection volume per injection location required to achieve overlap and form complete biobarrier
- Optimal well screen configuration

This pilot study was conducted in accordance with the *Biobarrier Injection Pilot Study Work Plan* (AGVIQ/CH2M HILL Joint Venture II, 2006), which was reviewed and approved by NAVFAC SE and the Florida Department of Environmental Protection (FDEP). Additional details pertaining to field work execution were provided in the *Pilot Study Work Plan Addendum, Biobarrier Injection of Emulsified Oil Substrate at Operable Unit 2, NTC Orlando* (AGVIQ/CH2M HILL Joint Venture II, 2007) (hereafter referred to as the Work Plan).

This TM presents the results of the injection pilot study and is organized into the following sections:

- Introduction
- Description of Field Activities
- Discussion of Pilot Study Results
- References

2. Description of Field Activities

The pilot study included the following activities: 1) site mobilization, 2) monitoring and injection well installation and development, 3) baseline soil and groundwater sampling, 4) substrate preparation and injection, 5) groundwater sampling during injections, and 6) post-injection groundwater and soil sampling. These activities are discussed below.

2.1 Site Mobilization

In accordance with the Work Plan, the following preliminary tasks were completed prior to well installation and EOS® injection:

- Prior to site mobilization of equipment, all monitoring and injection well locations were staked in the field based on locations provided in the *Biobarrier Injection Pilot Study Work*

[1] Conservative tracer injected with the substrate solution as sodium bromide.

Plan (AGVIQ/CH2M HILL Joint Venture II, 2006) by a registered surveyor licensed to practice in the State of Florida.

- Sunshine One-Call facility was used to notify appropriate utility agencies. However, because OU-2 has been in the Navy's possession for many years and no public right-of-way exists within the boundaries of this work area, utility clearance and marking of existing underground water, natural gas, telephone, electrical, and other utility lines were not necessary.
- Areas for temporary storage of equipment, construction materials, and waste drums were designated.
- The substrate injection trailer and appurtenances, temporary water storage tanks, and piping were mobilized to the site prior to mobilization of the well installation subcontractor.
- A decontamination pad was established by the drilling contractor before the wells were installed.

2.2 Monitoring and Injection Well Installation

Eight new monitoring wells and three new injection wells were installed in May and June 2007 by Boart Longyear E&I in accordance with the Work Plan. Well locations are shown on Figure 1 and well details are summarized in Table 1. AGVIQ/CH2M HILL Joint Venture II provided oversight during the installation process. One injection well with a 20-foot long screen (IW-1) was installed in Injection Area 1. Two nested injection wells (IW-2A and -2B), each with 10-foot screens, were installed in Injection Area 2. The eight new monitoring wells were installed to monitor field parameters 5, 10, and 15 feet from the injection wells and at two vertical intervals. As listed in Table 1, four existing monitoring wells (OLD-OU2-40A, OLD-OU2-40B, OLD-OU2-43B, and OLD-OU2-44B) were also used for monitoring during the pilot study.

Split-spoon samples were collected during installation of the deep monitoring wells to verify that lithology was consistent with historical data. Continuous samples were collected from 20 feet below land surface (bls) to the top of the Hawthorn clay, at an approximate depth of 35 to 40 feet bls. Soil samples collected from IW-1 (30 to 35 feet bls), IW-2B (33 to 38 feet bls), OLD-OU2-47B (33 to 38 feet bls), and OLD-OU2-48B (33 to 35 feet bls) during well installation were submitted to an offsite laboratory for grain size analysis. Soil samples were collected from OLD-OU2-47B and OLD-OU2-48B, and analyzed for total organic carbon (TOC) analyses. The soil boring log from OLD-OU2-47B, well development logs, well construction diagrams, well survey data, and grain size analysis results are included in Attachment A. TOC results for soil collected from MW-47B and MW-48B are provided in Attachment B.

Well Development

The new wells were developed at least 24 hours after the grout was placed in the well borings. No additives were used during well development. In general, the first 10 to 50 gallons of groundwater were pumped using a whale pump to remove silt, and Grundfos pumps were then used to complete the well development. Except for IW-1, the new wells were developed until clear, sand-free formation water was produced from the wells, as

detailed in the well development logs included in Attachment A. IW-1 had turbidity measurements greater than 1,000 nephelometric turbidity units (NTU) throughout well development.

Development pumping rates ranged from 0.25 to 1.5 gallons per minute (gpm). Approximately 100 gallons of waste development water was collected per well. The development water was contained in 55-gallon drums, which were labeled, stored, and disposed of in accordance with the procedures outlined in the Work Plan and as described below.

Decontamination

The drill rig, augers, pipes, bits, tools, and all downhole equipment were decontaminated using high-pressure, low-volume steam-cleaning equipment. All tools and drilling equipment that had been placed in the drill hole and the rear of the drill rig were steam-cleaned before drilling began, between each boring, and after work was completed. All used personnel protection clothing and articles were contained in drums, which were labeled and stored for appropriate disposal.

Waste Management and Disposal

Three drums of drill cuttings and one drum of purge water from well development were characterized as per the parameters and methods indicated in the Work Plan. The waste characterization indicated that these wastes were non-hazardous. The solid and liquid waste were transported by DNT Environmental Services and disposed of at Ecoflo S.E.'s facility in Americus, Georgia. Copies of the waste profiles and waste manifests used for the disposal of these wastes are included in Attachment E.

2.3 Baseline Sampling

Baseline groundwater samples were collected from newly installed and existing monitoring wells in the pilot study area during the period June 6 to 8, 2007. As summarized in Table 2, all wells were analyzed for the following field parameters: alkalinity, pH, oxidation-reduction potential (ORP), dissolved oxygen (DO), TOC, conductivity, and turbidity.

Baseline CVOC samples were collected from monitoring wells OLD-OU2-MW-43A, OLD-OU2-43B, OLD-OU2-40A, and OLD-OU2-40B. These samples were also analyzed for phospholipid fatty acids (PLFA), volatile fatty acids (VFA), and quantitative polymerase chain reaction (qPCR) to assess baseline biological conditions. To satisfy the requirements of the FDEP Zone of Discharge (ZOD) rule for EOS® injections, samples were collected from shallow and deep monitoring wells in each injection area and analyzed for total recoverable petroleum hydrocarbons (TRPH), sodium, bromide, total dissolved solids (TDS), and Polysorbate 80, which is a minor component of EOS®.

Baseline Sampling Results

Baseline sampling results are summarized in Table 5 (CVOCs, TRPH, sodium, bromide, TDS, field parameters) and Table 6 (biological indicators); and complete laboratory reports are presented in Attachment B. Key baseline sampling observations are listed below:

- Baseline ORP values, which ranged from 47 to -176 millivolts (mV), suggest that the groundwater is naturally reducing.
- Relatively low pH (4.7 to 5.8) and alkalinity concentrations (typically less than 50 milligrams per liter [mg/L]) suggest that the aquifer may have a low buffering capacity. Therefore, a base such as sodium bicarbonate or sodium hydroxide may be required to sustain or raise the pH during the full-scale biobarrier application.
- Average baseline TOC concentrations were 20 mg/L in the shallow zone of injection and 30 mg/L in the deeper zone.
- As expected, baseline concentrations of bromide were negligible.
- The CVOC concentrations at OLD-OU2-43B are consistent with historical results.
- The highest concentration of *Dehalococcoides sp.* (DHC) in groundwater was 314 cells/mL at OLD-OU2-MW-43B. DHC was also detected at OLD-OU2-MW-43A, OLD-OU2-40A, and OLD-OU2-40B.
- Concentrations of VFAs were below laboratory detection limits in all samples.
- The PLFA results suggest different microbial communities at Areas 1 and 2. Area 1 consists of approximately 50 percent Proteobacteria, while Area 2 consists of 80 to 90 percent Proteobacteria. Since the Proteobacteria population is a rough measure of the anaerobic microbial population, Area 2 may be more responsive (initially) than Area 1 during the full scale biobarrier implementation.

In general, the baseline sampling results suggest that the groundwater is naturally reducing and that reductive dechlorination is already occurring at OU-2. Enhancing the naturally occurring processes with supplemental carbon appears to be a suitable remedial approach for the site.

2.4 Substrate Preparation

Substrate preparation and injection occurred from June 20 to July 11, 2007. Based on electron acceptor flux and a 3-year reapplication frequency expected for the full-scale biobarrier, a 1 percent EOS® solution (by volume) was used. Dilution water was supplied from an existing fire hydrant located approximately 0.7 miles from the injection wells. A 2,000-gallon water truck was filled with potable water from the fire hydrant, and the water was transferred to an onsite 6,500-gallon upright polyethylene storage tank. Water was transferred from the storage tank by centrifugal pump to the 550-gallon tank located on the mobile injection trailer (see photographs in Attachment C). The mobile injection trailer was originally built for the injection effort at OU-4, but was easily adapted for the pilot study at OU-2.

Water was pumped with a 20-gpm Grundfos submersible pump (equipped with a CU-300 controller) from the injection trailer tank through a Dosatron® D45 RE 1.5 dosimeter, which was used to achieve the desired injection concentration of 1 percent EOS®. The amount of EOS® concentrate extracted from the storage drums by the dosimeter was directly proportional to the volume of water entering the system so variations in water pressure or flow rate had no effect on the dilution rate.

In addition to the substrate, sodium bromide tracer was added in-line using a chemical metering pump to achieve a target sodium bromide concentration of 250 mg/L. Approximately 2 pounds of bromide were added to each 1,000 gallons of injectate. The injectate was field-tested to evaluate whether the target bromide concentration was being maintained. Although likely required during full-scale implementation, no sodium bicarbonate was added during the pilot study to improve the buffering capacity of the aquifer. Finally, based on a recommendation from the EOS® vendor (Solutions IES), 1 pint of vitamin B12 was added to each EOS® drum.

2.5 Substrate Injection

Substrate injection occurred from July 3 to July 11, 2007. Initially, the Grundfos submersible pump was operated at a very low injection flow rate (less than 1 gpm) while the air-bleed valve on the wellhead was left open to allow air from the injection well to vent as it filled with injectate. Once the injection well was completely full, the air-bleed valve was closed, allowing the injection well to slowly pressurize. The flow rate was increased slowly until pressure at the wellhead reached and stabilized at an average of 14 pounds per square inch (psi). The pumping duration at each of the test areas was a function of the real-time monitoring results, including presence of EOS® solution or bromide in the monitoring wells.

When pressure at the wellhead increased, the injection flow rate was decreased in an attempt to avoid daylighting around the well casing. Injection pressure was consistently between 7 and 10 psi (with a sustainable flow rate of 1 gpm) at IW-1, and between 11 and 16 psi at IW-2A and IW-2B (with a sustainable flow rate of 3 gpm at IW-2A [upper zone] and 2 gpm at IW-2B [lower zone]). In addition to pressure at the wellhead, groundwater levels were monitored in surrounding wells about once per hour during the injection to observe any mounding. Water levels measured during the injection at Area 2 are shown on Figures 2 (shallow) and 3 (deep).

Despite the low injection flow rate, EOS® appeared around the IW-1 casing on July 10 and 11, 2007. In Area 2, daylighting occurred once on July 3 after about 3 hours of injection (the wells were injected individually), but did not occur thereafter. Once daylighting was observed, the submersible pump was immediately shut down until the wellhead pressure decreased by at least 2 psi. Injection resumed when the daylighting dissipated.

During the course of substrate injection, groundwater samples were collected from sidegradient and downgradient wells, and analyzed with field methods for alkalinity, pH, ORP, DO, TOC, conductivity, and turbidity (see Table 2). Samples were also collected for bromide analysis and visual inspection of the presence of EOS® (a milky white color) to monitor tracer/substrate breakthrough. Water level and geochemical data collected during the injection are provided in Attachment D and results are discussed below.

At the end of the injections, injection well IW-1 received 1,351 gallons of the 1percent EOS® injectate over 18 hours of injection. It is surmised that the formation in Area 1 may only have 6 to 7 feet of screen length that could accept the injection due to the possible presence of a hardpan/cemented sand layer between 17 and 26 feet bls. Meanwhile, IW-2A and IW-2B received a total of 9,006 gallons over 24 hours of injection. At a steady state injection rate of 3 gpm, IW-2A (screened in the upper zone) received 5,269 gallons while IW-2B (screened

in the lower zone) received 3,737 gallons at 2 gpm. The difference between the shallow and deep zones indicates a slight resistance to injection in the deeper zone.

Injection Sampling Results

According to the Work Plan, substrate breakthrough is indicated by TOC concentrations within a specific sampling vertical and horizontal interval of at least twice the background concentration. Additionally, sodium bromide tracer was added in-line to achieve a target sodium bromide concentration of 250 mg/L. Tables 3 and 4 summarize the average TOC and bromide concentrations detected during each day of active injection for Areas 1 and 2, respectively.

In Area 1, the average bromide concentration in the injectate was 260 mg/L. Bromide was detected at concentrations up to 140 mg/L in MW-43B, which is 10 feet sidegradient to the injection well. However, TOC was not detected above background concentrations in any of the monitoring wells during the injection event.

The average bromide concentration in the Area 2 injectate was 217 mg/L. In surrounding wells, the highest concentration of bromide observed was 470 mg/L during the second day of injection at MW-48B, which is 5 feet downgradient of IW-2B. After 8 hours of injection, bromide breakthrough was observed in all surrounding wells and TOC breakthrough within 5 feet of the injection point in the A and B vertical intervals. By the end of injection (about 24 hours), TOC breakthrough was observed in the shallow zone 10 feet from the injection point, but not in the deeper interval, and the increased TOC was not observed by 43 days post-injection. Alkalinity and pH increased slightly from baseline; the pH increase of 0.2 pH units and alkalinity increase of 5 mg/L may be due to the higher pH and alkalinity in the injection solution.

2.6 Post-Injection Sampling

Approximately 1 month after the completion of the injection test, additional groundwater samples were collected from six monitoring and two injection wells in Area 2. No samples were collected from the monitoring wells and injection wells in Area 1 because substrate distribution was considered poor and the conclusion that nested injection wells would be preferable for the full-scale biobarrier. As summarized in Table 2, the following field samples were collected during the sampling event: alkalinity, pH, ORP, DO, TOC, conductivity, and turbidity. An additional round of TOC data was collected from the six monitoring and two injection wells in Area 2 in November to assess TOC concentrations approximately 4 months post-injection.

In addition, to satisfy the post-injection requirements of the FDEP ZOD rule for EOS® injections, samples were collected from one shallow (A zone) and one deep (B zone) monitoring well in Area 2 and analyzed for TRPH, sodium, bromide, and TDS. Samples were also collected from the same wells for CVOC and VFA analysis.

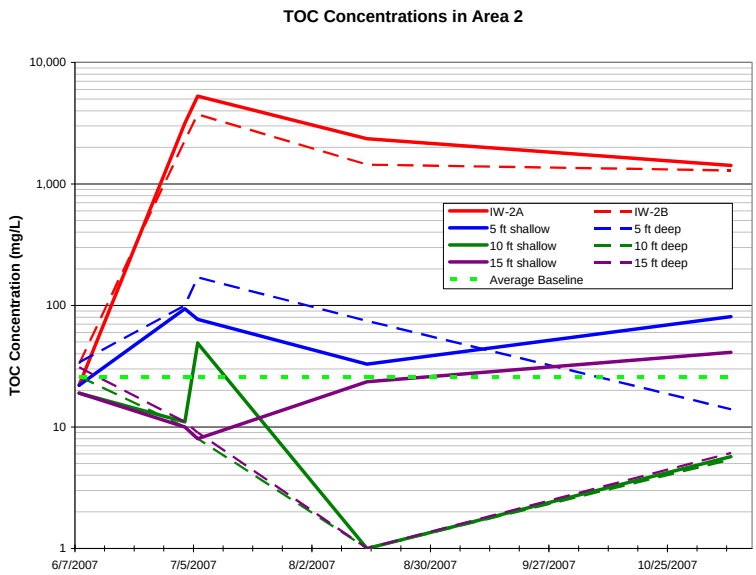
Finally, soil samples were collected on August 23, 2007 near IW-2A at 20 feet bls and near IW-2B at a depth of 30 feet bls (both at Area 2), and analyzed for TOC at an offsite laboratory. These data were collected to assess the impact of the EOS® application on TOC concentrations in soil.

Post-Injection Sampling Results

Area 2 monitoring well data are presented in Tables 4, 5, and 6. Table 4 includes only the TOC and bromide data, which were the primary parameters used to assess ROI during and after injection. Table 5 includes all of the CVOC and geochemical data collected in August and November. Table 6 includes the biological indicator parameter results.

As shown in Table 5, CVOC concentrations in MW-40A and MW-40B in Area 2 increased from pre-injection to post-injection. Given that the injection process tends to move groundwater around, slight increases to the CVOC concentrations is common.

As shown in the adjacent graph, TOC concentrations in groundwater remained elevated (>1,000 mg/L) in the Area 2 injection wells about 4 months post-injection. However, beyond the injection wells, TOC distribution is inconsistent. TOC concentrations remain above baseline levels in the shallow wells, 5 and 15 feet from the injection location. The other monitoring locations are below baseline TOC levels.



TOC concentrations in soil were below laboratory detection limits before and after the EOS® injection. Given that the oil droplets in the EOS® solution should sorb to the soil particles, JV-II predicted that TOC concentrations in the soil near the injection wells would be elevated post-injection. Based on the ratio of EOS® mass injected to soil mass in the observed radius of influence (see Table 7), it was estimated that the TOC concentration in soil could be up to 1,600 mg/kg.

The biological sampling results summarized in Table 6 indicate the following:

- DHC is present at OU-2.
- VFA concentrations did not increase post-injection at MW-40A and MW-40B, which are 10 feet from the Area 2 injection wells. However, given the TOC results, the EOS® solution may not have reached this sidegradient set of wells.
- Increasing firmicutes, anaerobic metal reducers, and sulfate reducing bacteria populations in the shallow zone suggest a shift to more reducing conditions. The changes in the deeper zone were not as significant, which is consistent with the apparent EOS® distribution pattern.

3. Discussion of Pilot Study Results

As stated in the Work Plan, the primary purpose of the injection pilot study was to obtain field-derived estimates for several design parameters, which are discussed below. The design parameters are also summarized in Table 7. A preliminary list of full-scale biobarrier parameters are provided in Table 8. The proposed full-scale biobarrier is shown on Figure 5.

- **Sustainable Injection Flow Rates.** In Area 1 (IW-1), the sustainable injection flow rate was 1.25 gpm, which is the maximum flow rate that did not result in daylighting around the well casing. Depending on the interval, the Area 2 injection flow rate ranged from 2 gpm (deep zone) to 3 gpm (shallow zone). These injection rates are consistent with previous results at OU-4 and SA17.
- **Observed Radius of Influence.** Based on TOC concentrations, the estimated radius of influence ranged from 3 feet in Area 1 (20 foot screen), to 7 (shallow) and 10 (deep) feet in Area 2 (10 foot screens). In comparison, sodium bromide was detected at 15 feet in both areas at the end of the injection events. The estimated TOC ROI is illustrated on Figure 4.
- **Effective or Mobile Porosity.** As summarized in Table 7, the effective or mobile porosity was calculated as the injection volume divided by the total volume of the formation within the radius of influence. For Area 1 and the two vertical intervals in Area 2, the mobile porosity ranged from about 0.2 to 0.3 using the TOC data. This range is consistent with literature values for fine sands (Driscoll, 1986; Weight, 2001). The sodium bromide results showed mobile porosities ranging from 0.01 to 0.1.
- **Volume required for full-scale application.** Using the TOC-derived radius of influence and effective porosity, about 13,000 gallons of substrate would be required for each injection location if installed on 20-foot centers. Nearly 30,000 gallons would be required for each injection location if installed on 30-foot centers.
- **Injection duration.** At 3 gpm for the shallow interval and 2 gpm for the deep interval, the time to complete the injection at one location on 20-foot centers would be 9 days; it would take 21 days for the 30-foot spacing configuration. An injection manifold would be required for the installation of the full-scale biobarrier to be completed cost-effectively and in a reasonable timeframe.
- **EOS® distribution and longevity.** TOC concentrations were elevated about 7 to 10 feet from the injection location at the end of the injection event at Area 2. It is conceivable that the TOC ROI would have been greater if the pilot injection event merely lasted longer. Nevertheless, aside from the injection wells, it is surprising that the TOC concentrations are not higher 4 months post-injection and that the VFAs were below detection limits about 1 month post-injection. A higher EOS® concentration, perhaps 2 to 3 percent, may be required to sustain TOC and VFA concentrations adequate to foster reductive dechlorination. It was also notable that soil TOC concentrations were not higher near IW-2A and IW-2B after the injection event. Alternative substrates could be considered (for example, Regenesis' Hydrogen Release Compound-Advanced).

- **Buffering capacity.** The low pH and alkalinity concentrations (pH = 5, alkalinity less than 50 mg/L) suggest that the aquifer may have a low buffering capacity. To prevent inhibition of microbial growth due to a drop in pH, the addition of a base such as sodium bicarbonate or dilute sodium hydroxide may be needed on a regular basis.

4. References

AGVIQ/CH2M HILL Joint Venture II. 2006. *Biobarrier Injection Pilot Study Work Plan.* Operable Unit 2, Naval Training Center Orlando, Florida. January.

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Tables

TABLE 1
New and Existing Monitoring and Injection Well Construction Summary
Biobarrier Injection Pilot Study

Well	Purpose	Total Depth (ft bls)	Screen Interval (ft bls)	Distance from Injection Point (ft)
Injection Area 1 (depth to clay = 35 feet)				
IW-1	New injection well to evaluate effectiveness of substrate delivery via one fully-screened interval.	34.76	14.75-34.75	0
OLD-OU2-47A	New shallow and deep monitor well pair installed 5 feet from IW-1 to evaluate ROI. Total Depth of boring = 45 ft bgs	25.43	20-25	5
OLD-OU2-47B		35.09	30-35	5
OLD-OU2-43A	New shallow monitor well installed 10 feet from IW-1 to evaluate ROI.	25.22	20-25	10
OLD-OU2-43B	Existing deep monitor well 10 feet from IW-1 to evaluate ROI.	35	30-35	10
OLD-OU2-46A	New shallow and deep monitor well pair installed 15 feet from IW-1 to evaluate ROI.	25.16	20-25	15
OLD-OU2-46B		35.45	30-35	15
Injection Area 2 (depth to clay = 35 feet)				
IW-2A	New injection wells to evaluate effectiveness of substrate delivery via two screened intervals	28.21	18-28	0
IW-2B		38.46	28-38	0
OLD-OU2-48A	New shallow and deep monitor well pair installed 5 feet from IW-2 to evaluate ROI.	28.27	20-25	5
OLD-OU2-48B		38.46	30-35	5
OLD-OU2-40A	Existing shallow monitor well installed 10 feet from IW-2 to evaluate ROI.	25	20-25	10
OLD-OU2-40B	Existing deep monitor well 10 feet from IW-2 to evaluate ROI.	44	39-44	10
OLD-OU2-44A	New shallow monitor well installed 15 feet from IW-2 to evaluate ROI.	25.13	20-25	15
OLD-OU2-44B	Existing deep monitor well 15 feet from IW-2 to evaluate ROI.	35	30-35	15

TABLE 2
List of Groundwater Analytes, Methods, Rationale, and Sampling Frequency
Biobarrier Injection Pilot Study

Parameter	Method	Monitoring Rationale	System Monitoring		
			Pre-Injection	During Injection	Post-Injection
Field Tests					
Injection flow rate and wellhead pressure	Flow meter and pressure gauges	Evaluated the relationship between volume injected and pressure (resistance) observed, an important full-scale design parameter.	None	Flow rate and wellhead pressure were collected multiple times per hour, with the data logger and pressure transducers	None
Water level	Water level meter	Provided quantitative indication that injection fluids were influencing surrounding monitoring wells; also minimized surface flooding.	3 IWs; 8 new MWs; 4 existing MWs	Water Levels were collected continuously by the data logger (as shown in Table 3), and by hand approximately once per hour.	3 IWs; 8 new MWs; 4 existing MWs
ORP	Multi-parameter meter (e.g. YSI or equivalent)	Used in conjunction with other geochemical parameters, ORP indicated whether groundwater conditions were optimal for anaerobic biodegradation (ORP less than -50mV).		Geochemical parameters including ORP, conductivity, turbidity, pH, DO, and alkalinity were collected once daily during active injection.	
Specific conductivity		General water quality parameters used as an indicator of well purging stabilization (may also correlate with and support interpretations of other geochemical analyses).			
Turbidity					
pH		Biological processes are pH sensitive, and the ideal range of pH for dechlorinating bacteria is 5 to 9. Outside this range, biological activity is less likely to occur.			
EOS	Visual	A direct qualitative measurement which indicated whether or not substrate was reaching surrounding monitoring wells.	None		
DO	Field test kit Hach Product #: 146900	Indicator of reducing biological conditions; should be depleted in an anaerobic system. DO less than 0.5 mg/L generally indicates an anaerobic pathway suitable for anaerobic dechlorination to occur.	3 IWs; 8 new MWs; 4 existing MWs		
Alkalinity	Field test kit Hach Product #: 2444301	Indicator of biodegradation and the buffering capacity of the aquifer. Used in conjunction with pH, an increase in alkalinity and stable pH indicates the buffering capacity of the aquifer is sufficient to neutralize metabolic acids produced by degradation of substrates.			
TOC	Field test kit Hach Product #: 2815945	Indicator of natural organic carbon present at site during baseline characterization, and an indicator of substrate distribution/breakthrough during performance monitoring (breakthrough defined as concentrations exceeding 2 times the background concentration). Commonly, TOC concentrations ranging from 50 to 100 mg/L are required to foster reductive dechlorination.	3 IWs: 8 new MWs; 4 existing MWs	8 new MWs; 4 existing MWs. Sampled approximately once per day during active injection from each well (See Tables 4 and 5)	3 IWs; 8 new MWs; 4 existing MWs
Lab Tests					
CVOC	Method 8260	Measure baseline and post-injection CVOC concentrations to assess influence from injection (e.g., displacement)	MW-40A/B and MW-43A/B	None	MW-40A/B and MW-43A/B
PLFA	GC/MS	Assess microbial consortia based on biomass viability, community structure, and metabolic activity.		None	
VFAs	Ion chromatography	Pyruvate, lactate, formate, acetate, propionate, and butyrate are used as biomarkers of anaerobic metabolism. Anaerobic bacteria produce these compounds by fermentation, while under aerobic conditions these compounds are rapidly oxidized for carbon and energy by aerobic bacteria.		None	
qPCR	Lab-specific	qPCR — a DNA-based approach — provides direct information about the dominant biological population in the aquifer.		None	
TRPH	Method 418.1	FDEP ZOD rule		None	
Sodium	Method 6010B			None	
TDS	Method 160.1			None	
Bromide	E320.1	Field measurement indicates when bromide tracer reaches surrounding monitoring wells.		8 new MWs; 4 existing MWs Samples were collected approximately once per hour. The value shown in Tables 4,5, and 6 is the daily average.	
TOC (soil)	SW9060	Assessed the distribution of TOC and/or oil emulsion within the aquifer matrix.	MW-47B and MW-48B	None	4 DPT samples

TABLE 3
Area 1 - TOC and Bromide Concentrations Observed During EOS® Injection
Biobarrier Injection Pilot Study

		Baseline		9 Hours of Injection Gallons Injected = 658	18 Hours of Injection Gallons Injected = 1,351	
		6/8/2007	7/5/2007	7/10/2007	7/11/2007	
Area 1	**Distance From Injection Point (ft)**	**TOC (mg/L)**	**Bromide (mg/L)**	**Bromide (mg/L)**	**TOC (mg/L)**	**Bromide (mg/L)**
IW-1	0	33	<0.5	260	1,350	280
OLD-OU2-47A	5	18.8	<0.5	120	6	120
OLD-OU2-47B*	5	30.6	<0.5	160	7	130
OLD-OU2-43A	10	17.8	<0.5	108	6	100
OLD-OU2-43B	10	30.0	<0.5	110	6	140
OLD-OU2-46A	15	17.2	<0.5	66	7	100
OLD-OU2-46B	15	26.9	<0.5	65	6	110

Notes:

1. All hours of injection and gallons injected are approximate.
2. Average concentration of sodium bromide in injectate was 260 mg/L.
3. Baseline soil TOC in Area 1 = < 387 mg/kg

TABLE 4
Area 2 - TOC and Bromide Concentrations Observed During EOS® Injection
Biobarrier Injection Pilot Study

Area 2	Distance From Injection Point (ft)	Baseline		8 Hours of Injection Gal Injected = 1,690		13 Hours of Injection Gal Injected = 5,446	24 Hours of Injection Gal Injected = 9,006		Post-Injection	
									43 Days	129 Days
		6/8/2007	7/2/2007	7/3/2007		7/6/2007	7/6/2007		8/15/07	11/9/07
		TOC (mg/L)	Br (mg/L)	TOC (mg/L)	Br (mg/L)	Br (mg/L)	TOC (mg/L)	Br (mg/L)	TOC (mg/L)	TOC (mg/L)
IW-2A	0	22	<0.5	3,159	230	210	5,268	210	2,360	1,420
IW-2B	0	33	<0.5	2,286	230	210	3,736	210	1,440	1,290
OLD-OU2-48A	5	22	<0.5	94	270	270	77	250	32.8	80.7
OLD-OU2-48B	5	34	<0.5	100	200	470	170	260	74.6	14
OLD-OU2-40A	10	19	<0.5	11	57	Not measured	49	140	<5	5.7
OLD-OU2-40B	10	26	<0.5	10	210	Not measured	8	200	<5	5.4
OLD-OU2-44A	15	19	<0.5	10	71	90	8	59	23.5	41.1
OLD-OU2-44B	15	31	<0.5	11	160	190	9	110	<5	6.1

Notes:

1. All hours of injection and gallons injected are approximate
2. Average concentration of sodium bromide in injectate was 217 mg/L.
3. Baseline soil TOC in Area 2 = < 366 mg/kg
4. Br = bromide.

TABLE 5
Groundwater Analytical Data Before, During, and After Injection
Biobarrier Injection Pilot Study

	Area 1						Area 2					
	OLD-OU2-47A	**OLD-OU2-47B**	**OLD-OU2-43A**	**OLD-OU2-43B**	**OLD-OU2-46A**	**OLD-OU2-46B**	**OLD-OU2-48A**	**OLD-OU2-48B**	**OLD-OU2-40A**	**OLD-OU2-40B**	**OLD-OU2-44A**	**OLD-OU2-44B**
Distance From Injection Point (ft)	**5**	**5**	**10**	**10**	**15**	**15**	**5**	**5**	**10**	**10**	**15**	**15**
Pre-Injection (6/6/2007 to 6/8/07)												
TCE (µg/L)	NA	NA	3	3,400	NA	NA	NA	NA	135	1,740 J	NA	NA
cis-1,2-DCE (µg/L)	NA	NA	<1	155	NA	NA	NA	NA	26.9	81.5 J	NA	NA
VC (µg/L)	NA	NA	<1.4	46.7	NA	NA	NA	NA	6.1	40.6	NA	NA
Petroleum hydrocarbons (µg/L)	NA	NA	390	120J	NA	NA	NA	NA	<362	140J	NA	NA
Dissolved Oxygen (mg/L)	0.37	0.29	0.3	0.5	0.44	0.50	0.4	0.25	0.89	0.27	0.55	0.25
ORP (mV)	10	-28	47	-176	7	-134	2.2	-142	-85	-34	-61	-65
pH	5	5.2	4.7	5.2	4.95	5.46	4.94	5.45	4.99	4.7	5.78	4.81
Alkalinity (mg/L)	14	42	8	14	9.6	43	18.6	43	3	13	45	18
Conductivity (mmhos/cm)	136	224	128	115	208	188	182	165	106	118	197	115
Turbidity (NTU)	18	15	7	7	3	14	15	28.5	9.4	8.4	6.5	12
Bromide (mg/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Sodium (mg/L)	NA	NA	9.26	8.23	NA	NA	NA	NA	0.60	8.79	NA	NA
TDS (mg/L)	NA	NA	88	74	NA	NA	NA	NA	89	80	NA	NA
Total Organic Carbon (mg/L)	19	31	18	30	17	27	22	34	19	31	19	26
During Injection (6/20/07 to 7/10/07)												
Dissolved Oxygen (mg/L)	0.3	0.37	0.3	0.3	0.22	0.25	0.07	0.04	0.23	0.06	0.30	0.29
ORP (mV)	-70	-109	-86	-83	-75	-101	-159	-153	-119	-162	-133	-129
pH	5.3	5.43	5.2	5.1	5.02	5.6	5.17	5.14	4.88	5.12	5.41	5.07
Alkalinity (mg/L)	20	45	18	20	13	48	30	33	15	20	27	30
Conductivity (mmhos/cm)	143	198	139	137	204	191	228	272	117	114	157	123
Turbidity (NTU)	14	11	3	3	0.73	27	3.46	1.78	5.3	1.2	0.74	62
Bromide (mg/L)	120	145	104	125	83	88	263	310	99	205	73	153
Total Organic Carbon (mg/L)	6	7	6	6	7	6	86	140	9	10	30	9
Post Injection (8/15/07 to 8/16/07)												
TCE (µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	144	2,710	NA	NA
cis-1,2-DCE (µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	28.1	92	NA	NA
VC (µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	6.6	41.3	NA	NA
Petroleum hydrocarbons (µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	190	250	NA	NA
Dissolved Oxygen (mg/L)	NA	NA	NA	NA	NA	NA	0.06	-0.72	0.42	1.35	0.15	0.10
ORP (mV)	NA	NA	NA	NA	NA	NA	-83.3	-106.2	-2.1	0.3	-63.2	-54.1
pH	NA	NA	NA	NA	NA	NA	5.11	5.15	4.92	4.9	5.30	5.03
Alkalinity (mg/L)	NA	NA	NA	NA	NA	NA	90.1	43	14.2	24.9	33.3	14.4
Conductivity (mmhos/cm)	NA	NA	NA	NA	NA	NA	NA	NA	86	116	NA	NA
Turbidity (NTU)	NA	NA	NA	NA	NA	NA	2.1	1.5	3.2	0.6	1.8	34.7
Bromide (mg/L)	NA	NA	NA	NA	NA	NA						

TABLE 5
Groundwater Analytical Data Before, During, and After Injection
Biobarrier Injection Pilot Study

	Area 1						Area 2					
	OLD-OU2-47A	**OLD-OU2-47B**	**OLD-OU2-43A**	**OLD-OU2-43B**	**OLD-OU2-46A**	**OLD-OU2-46B**	**OLD-OU2-48A**	**OLD-OU2-48B**	**OLD-OU2-40A**	**OLD-OU2-40B**	**OLD-OU2-44A**	**OLD-OU2-44B**
Distance From Injection Point (ft)	**5**	**5**	**10**	**10**	**15**	**15**	**5**	**5**	**10**	**10**	**15**	**15**
Sodium (mg/L)	NA	NA	NA	NA	NA	NA	NA	NA	9.75	7.41	NA	NA
Total Organic Carbon (mg/L)	NA	NA	NA	NA	NA	NA	32.8	74.6	<5	<5	23.5	<5
Post Injection (11/9/07)												
Total Organic Carbon (mg/L)	NA	NA	NA	NA	NA	NA	80.7	14	5.7	5.4	41.1	6.1

Note:
NA = not analyzed
mg/L = milligrams per liter
µg/L = micrograms per liter
NTU = nephelometric turbidity units
mV = millivolts

TABLE 6
Biological Indicator Parameter Summary
Biobarrier Injection Pilot Study

	Area 1		Area 2			
	OLD-OU2-43A	**OLD-OU2-43B**	**OLD-OU2-40A**		**OLD-OU2-40B**	
Distance From Injection Point (ft)	**10**	**10**	**10**		**10**	
Sample Date	**6/6/07**	**6/6/07**	**6/8/07**	**8/15/07**	**6/8/07**	**8/15/07**
***Dehalococcoides sp.* (DHC)**						
DHC (cells/mL)	6.29E-01	3.14E+02	1.11E+01	8.62E-01	1.09E+00	4.64E-01
Volatile Fatty Acids (µg/L)						
Acetic	<1	<1	<1	<1	<1	<1
Propionic	<1	<1	<1	<1	<1	<1
Formic	<1	<1	<1	<1	<1	<1
Lactic	<1	<1	<1	<1	<1	<1
Pyruvic	<4	<4	<4	<4	<4	<4
Butyric	<1	<1	<1	<1	<1	<1
Phospholipids Fatty Acids (PLFA)						
Cells (cells/mL)	6.11E+04	6.47E+03	1.9E+03	7.45E+03	4.25E+03	3.57E+03
Firmicutes (TerBrSats) (%)	1.27	0	0	3.86	0	5.90
Proteobacteria (Monos) (%)	49.16	67.69	78.08	56.57	88.46	54.42
Anaerobic metal reducers (BrMonos) (%)	0.44	0	0	2.83	0	0
SRB/Actinomycetes (MidBrSats) (%)	1.5	1.66	0	2.78	0	0
General (Nsats) (%)	45.71	26.47	21.91	31.83	11.54	36.46
Eukaryotes (polyenoics) (%)	1.91	4.17	0	2.11	0	3.22
Slowed Growth (ratio cy/cis)	0.13	0.32	0.18	0.71	0.92	1.32
Decreased Permeability (ratio trans/cis)	0.17	0.26	0	0.18	0	0

TABLE 7
Summary of Field-Derived Biobarrier Design Parameters
Biobarrier Injection Pilot Study

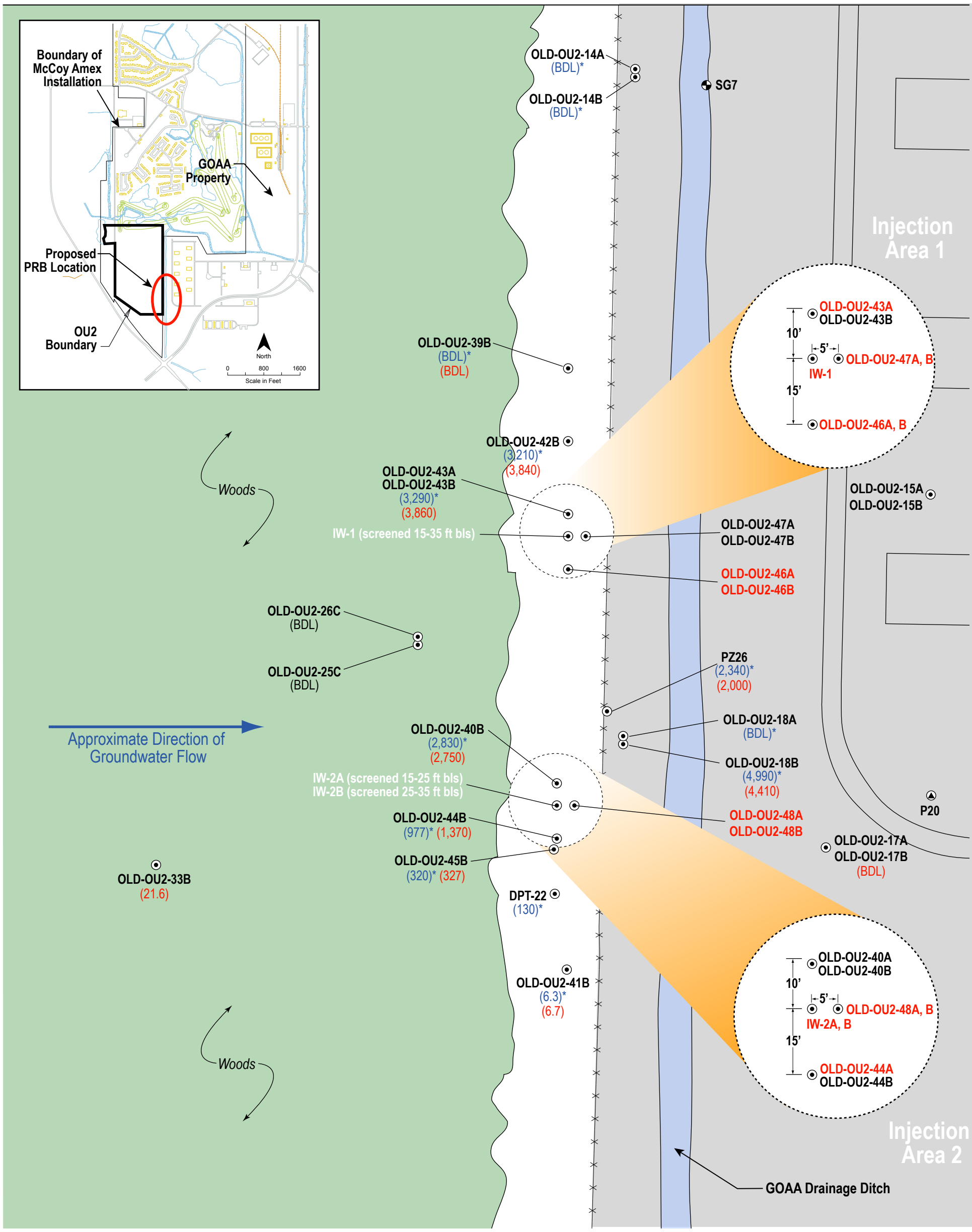
	Area 1	Area 2	
Injection Parameter	**Shallow and Deep Zones**	**Shallow Zone**	**Deep Zone**
Well screen (ft)	20	10	10
Sustainable injection flow rate (gpm)	1.3	3.0	2.1
Average pressure observed at wellhead during injection (psi)	9.5	13.2	13.7
Based on TOC Results			
ROI (ft)	3	10	7
Total volume within observed ROI (gal)	4,230	23,499	11,515
Total volume injected (gal)	1,351	5,269	3,737
Effective porosity (%)	0.32	0.22	0.32
Total mass of EOS® injected (lb)	104	404	287
Total soil mass within observed ROI (lb)	56,549	314,159	153,938
Theoretical EOS® concentration (mg/kg)	1,833	1,287	1,863
Full-Scale biobarrier (20-foot spacing)			
Volume required per well	15,011	5,269	7,627
Injection duration per well (days)	20	3	6
Full-Scale biobarrier (30-foot spacing)			
Volume required per well	33,775	11,855	17,160
Injection duration per well	45	7	14
Based on Bromide Results			
ROI (ft)	15	15	15
Total volume within observed ROI (gal)	105,746	52,873	52,873
Total volume injected (gal)	1,351	5,269	3,737
Effective porosity (%)	0.01	0.10	0.07
Total mass of EOS® injected (lb)	104	404	287
Total soil mass within observed ROI (lb)	1,413,717	706,858	706,858
Theoretical EOS® concentration (mg/kg)	73	572	406
Full-Scale biobarrier (20-foot spacing)			
Volume required per well	600	2,342	1,661
Injection duration per well (days)	1	1	1
Full-Scale biobarrier (30-foot spacing)			
Volume required per well	1,351	5,269	3,737
Injection duration per well	2	3	3

Note:
* Horst, J., Nelson, D., Martin, J. 2007. *State of the Practice: Reactive Zone Injection Hydraulics and Biogeochemistry. Ninth International In Situ and On-Site Bioremediation Symposium.*

TABLE 8
Full-Scale Biobarrier Summary
Biobarrier Injection Pilot Study

Element	20-foot Spacing	30-foot Spacing
Biobarrier length (ft)	450	450
Biobarrier rows	2	2
Nested injection well locations	45	29
Total injection volume (gal)	585,000	870,000
EOS® concentration	2%	2%
EOS® volume (gal)	11,700	17,400
EOS® mass (lb)	90,000	133,000
Injection duration based on concurrent injection at:		
1 well (10-hr days)	390	580
2 wells (10-hr days)	195	290
4 wells (10-hr days)	98	145
8 wells (10-hr days)	49	73

Figures



LEGEND

⊕	Staff Gauge	—x—x—	Fence (Property Line)
⊙	Groundwater Sample Location	OLD-OU2-43A	New Well; installed during during PS Activities
(320)	TCE Concentration (µg/L), 7/2005 Baseline groundwater sampling event	OLD-OU2-43B	Existing Well
(130)*	TCE Concentration (µg/L), see note	A	Shallow Monitoring Well (0-30 ft bls)
(BDL)	Below Detection Limit	B	Deep Monitoring Well (>30 ft bls)
GOAA	Greater Orlando Area Airport		

Note:
Blue TCE concentrations reflect data up to April 2005. 18B, 39B, 40B, 42B, 43B, 44B, 45B, and PZ26 were sampled in April 2005. The other monitoring wells and DPT locations were sampled between June 2004 and January 2005.

North

0 75' 150' 225'
Scale in Feet

FIGURE 1
Pilot Study Injection Locations and Baseline TCE Concentrations
OU2, Orlando Naval Training Center
Orlando, Florida

AGVIQ ENVIRONMENTAL SERVICES
CH2M HILL JOINT VENTURE

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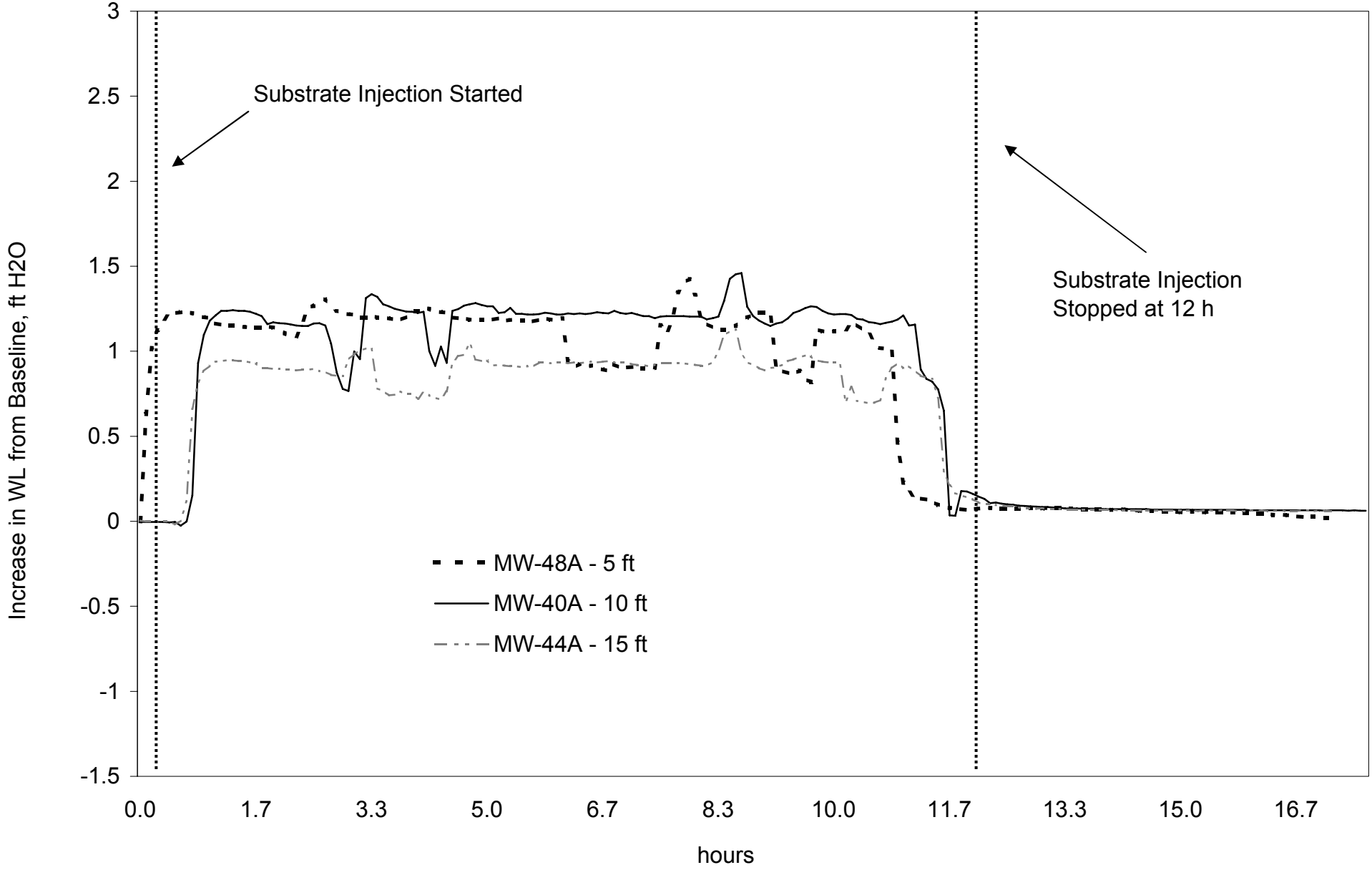


Figure 2
Area 2 Shallow Wells - Mounding During EOS® Injection
OU2, NTC Orlando

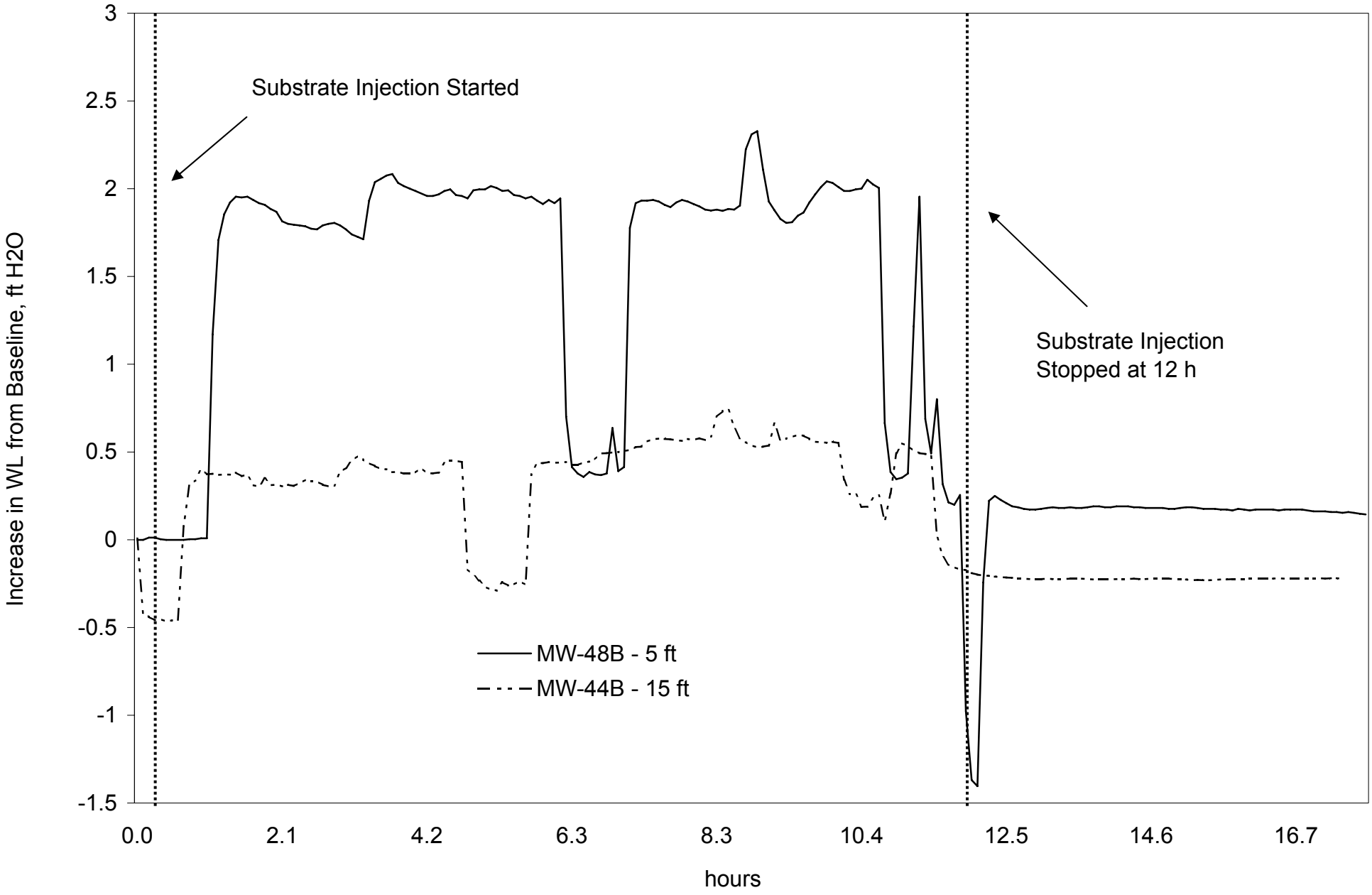
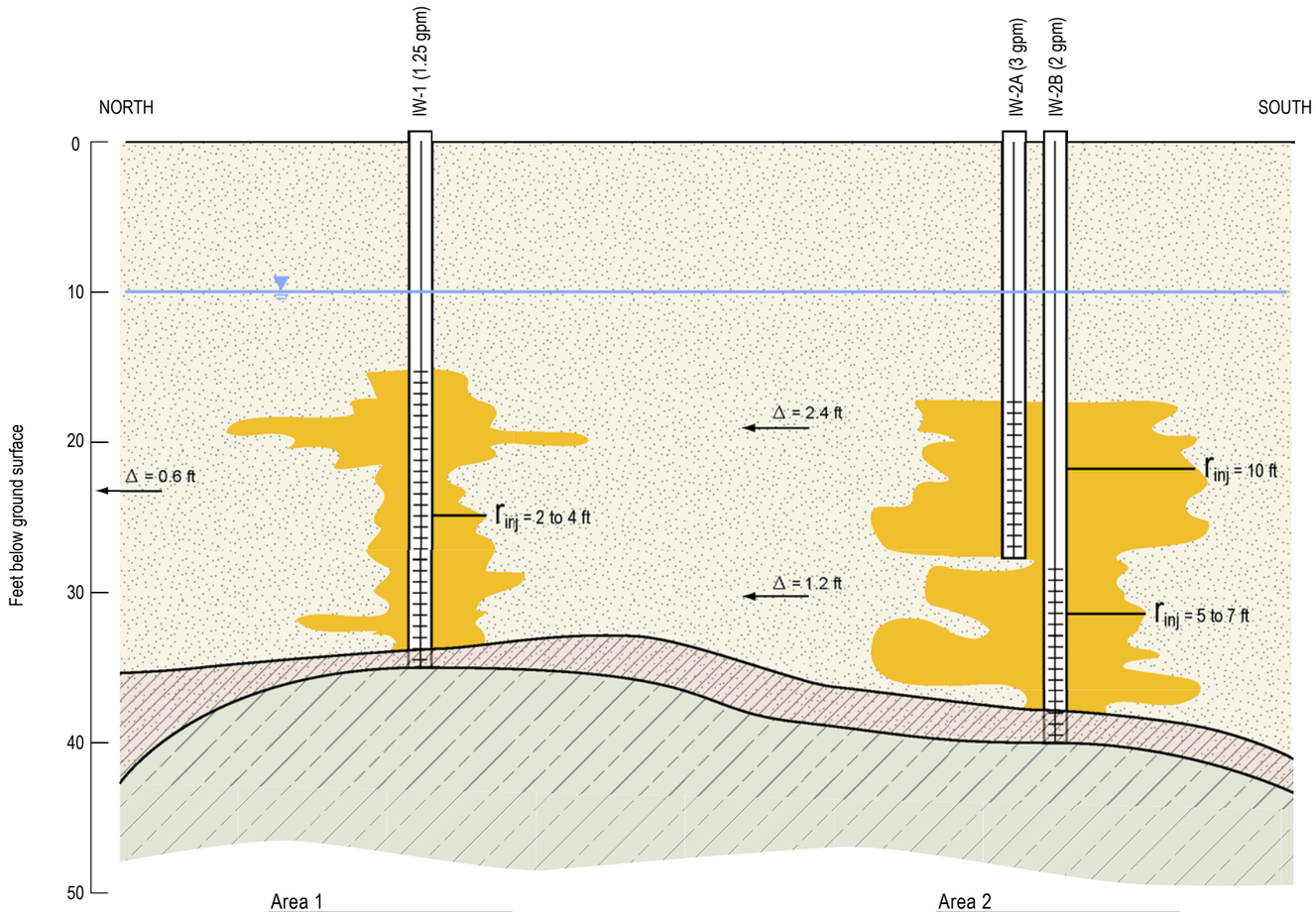


Figure 3

Area 2 Deep Wells - Mounding During EOS® Injection
OU2, NTC Orlando

AGVIQ ENVIRONMENTAL SERVICES
CH2M HILL JOINT VENTURE



Area 1
- Aquifer volume = $\pi r_{inj}^2 L$ = 11,750 gal
- Volume injected = 1,351 gal
- Observed sustainable injection flow rate = 1.25 gpm
- η_{eff} = 0.11

Area 2
- Aquifer volume = $\pi r_{inj}^2 L$ = 35,014 gal
- Volume injected = 9,006 gal
- Observed sustainable injection flow rate = 3 gpm (2A)
  = 2 gpm (2B)
- η_{eff} = 0.25

LEGEND

- r_{inj} Radius of effective injection
- Water level
- L Length of screen
- η Effective porosity
- Δ Groundwater displaced by injectate fluid at a point 15 ft. from the point of injection
- Meduim-fine to brown/tan sands
- Clayey Sand
- Hawthorn clay
- EOS® during injection

NOTES
1) View is perpendicular to approximate groundwater flow direction, looking towards GOAA.
2) Conceptual diagram only - Not to scale.
4) Does not represent actual geologic conditions.

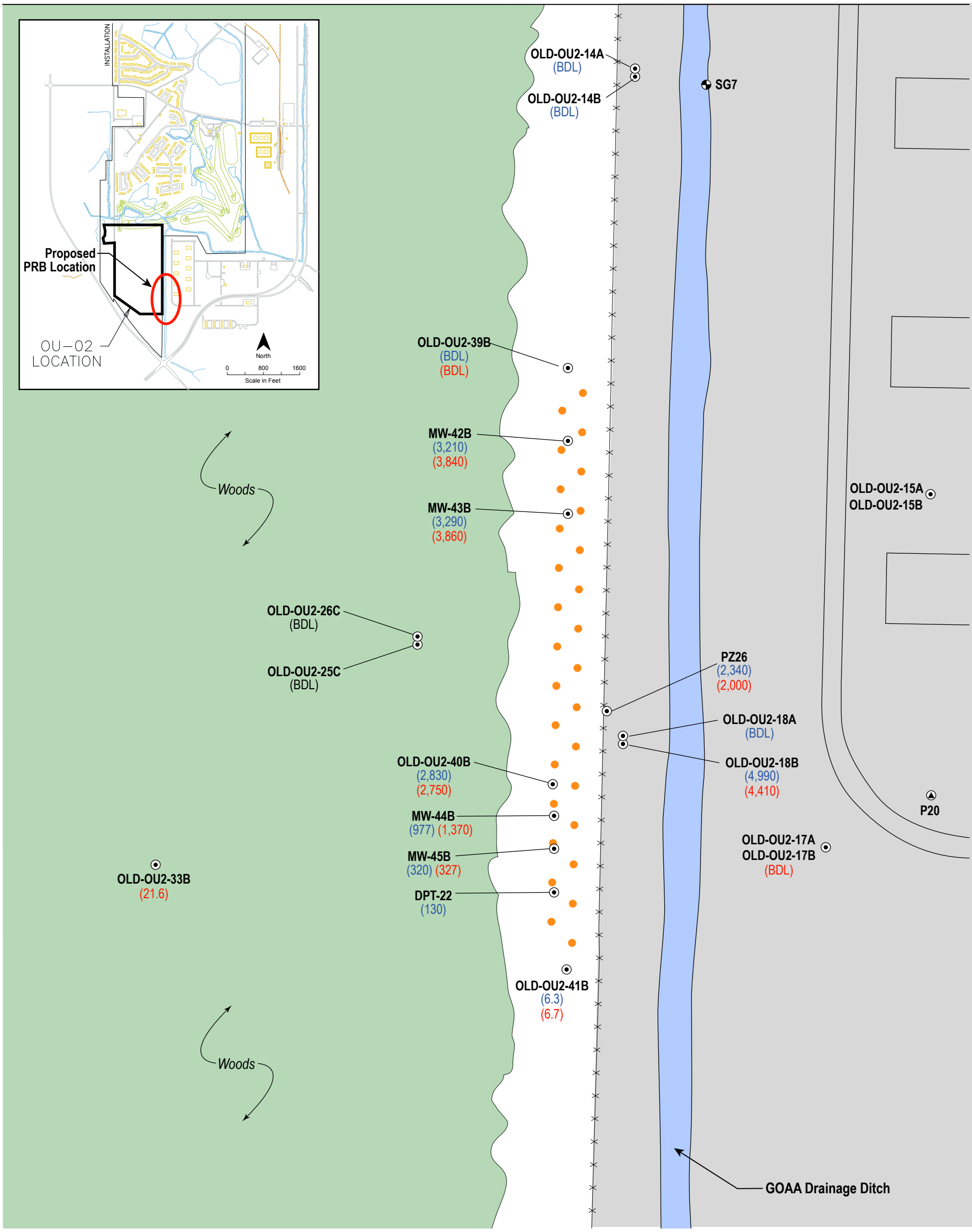
Implications for Full Scale Design*

1. Injection Volume required (ROI = 15 ft) = 24,000 gal per 20 ft well screen
2. Time required to inject at 2.5 gpm in 29 locations (eight simultaneously) = 25 weeks (6.5 months)
3. Injectate composition [1.8% EOS® + water base on residual demand]
   = 432 gal (7.9 drums) of EOS® + 23,568 gal H2O per injection location and,
   = 12,528 gal (227 drums) of EOS® + 683,472 gal H2O for the entire barrier
4. Lateral groundwater displacement (Δ) = 4.09 ft at the edge of the barrier (theoretical maximum)

* Value averaged over both treatment zones. Assumes 9-hour workdays, 5 days/week of injection, and 20 feet of saturated aquifer thickness.

FIGURE 4
Conceptual View of Field-Derived Design Parameters
Biobarrier Injection Pilot Study
OU2, Orlando Naval Training Center
Orlando, Florida

AGVIQ ENVIRONMENTAL SERVICES
CH2M HILL JOINT VENTURE



LEGEND

⊕	Staff Gauge	—x—x—	Fence (Property Line)
⊙	Groundwater Sample Location	OLD-OU2-43A	New Well; installed during during PS Activities
(320)	TCE Concentration (µg/L), 7/2005 Baseline groundwater sampling event	OLD-OU2-43B	Existing Well
(130)	TCE Concentration (µg/L), see note	A	Shallow Monitoring Well (0-30 ft bls)
(BDL)	Below Detection Limit	B	Deep Monitoring Well (>30 ft bls)
GOAA	Greater Orlando Area Airport		

Note:
Blue TCE concentrations reflect data up to April 2005. 18B, 39B, 40B, 42B, 43B, 44B, 45B, and PZ26 were sampled in April 2005. The other monitoring wells and DPT locations were sampled between June 2004 and January 2005.

Red TCE concentrations are from July 2005 sampling event.

North

0 75' 150' 225'
Scale in Feet

FIGURE 5
Preliminary Full-Scale Biobarrier Injection Well Locations
OU2, Orlando Naval Training Center
Orlando, Florida

AGVIQ ENVIRONMENTAL SERVICES
CH2M HILL JOINT VENTURE

ES082007022ATL NTC102.ai

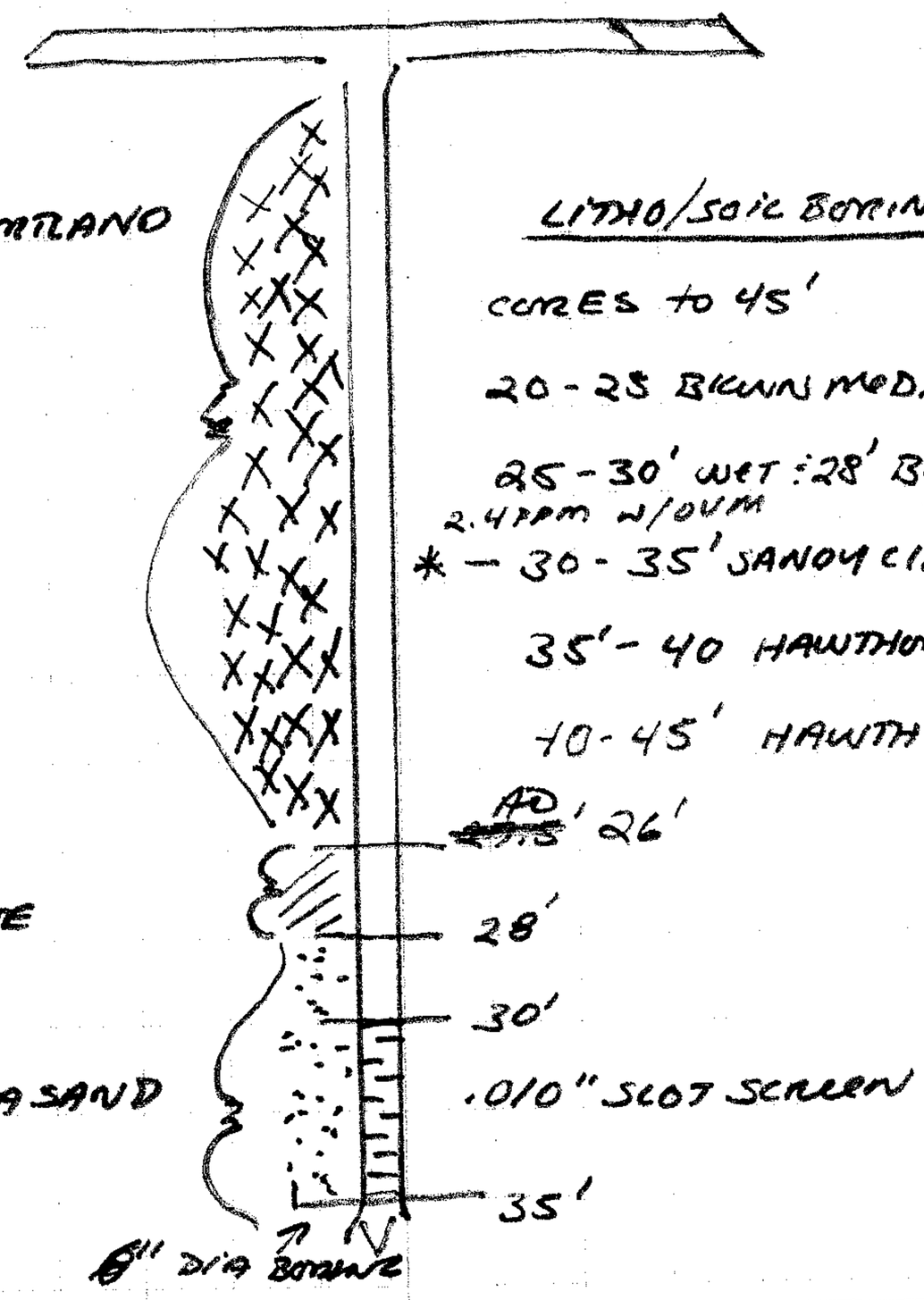
ATTACHMENT A

Well Installation Details

- Soil Borings
- Well Construction Diagrams
- Well Development Logs
- Well Survey Data
- Grain Size Analysis Results

1400 INITIATE MW47B to 35'

2'x2'x4" PAD



LITHO/SOIL BORING LOG:

CORES to 45'

20-25 BROWN MED. SANDS

25-30' WET : 28' BROWN MED SAND
2.4 PPM W/OVM

* - 30-35' SANDY CLAY to SAND

35'-40 HAWTHORN/MED SAND

40-45' HAWTHORN CLAY

1450 COLLECT TOC SAMPLE ID: TO2MW47B0530

FROM SCREEN INTERVAL 30-35' b/s.

1455 COLLECT GRAINSIZE ANALYSIS MW-47B

1530 complete GROUTING to SURFACE - BENTONITE ALLOWED to HYDRATE FOR 1hr.

1545 MOB TO NEXT LOCATION

SCREEN

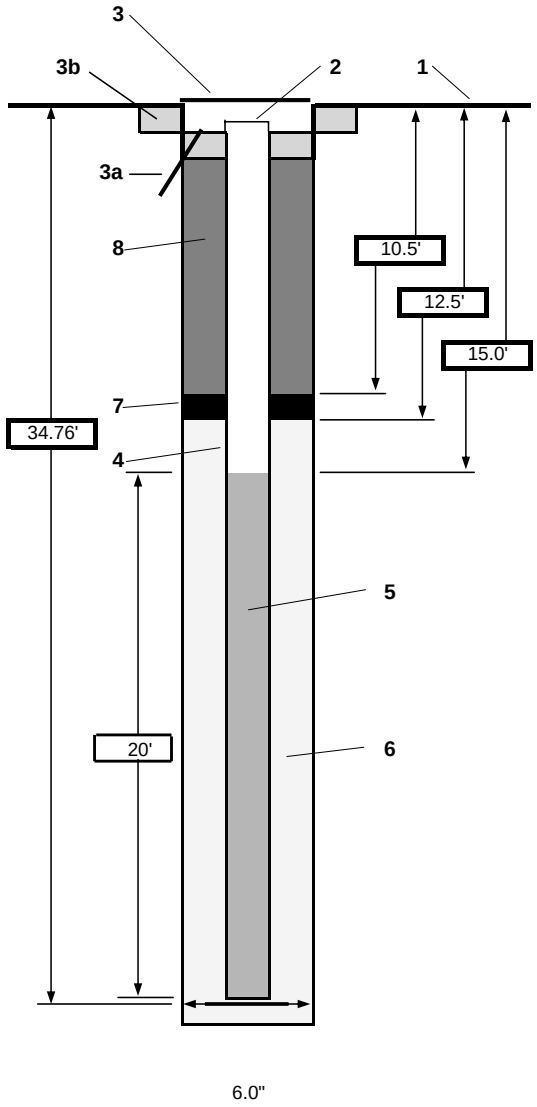
EAL - JET

AH FOR INCH

PROJECT NUMBER	WELL NUMBER	
283095.04.03	IW-1	SHEET 1 OF 1

WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando, OU-2 LOCATION : NTC Orlando, OU-2 NORTHING: 1484226.925
DRILLING CONTRACTOR : Prosonic Drilling Corporation EASTING: 545715.33
DRILLING METHOD AND EQUIPMENT USED : Rotosonic
WATER LEVELS :4.5 START : 5-31-2007 END : 5-31-2007 LOGGER : Andrew O'Conor



1-	Ground elevation at well	89.286
2-	Top of casing elevation	89.28
3-	Wellhead protection cover type	Bolt-down manhole cover.
	a) drain tube?	yes
	b) concrete pad dimensions	2' X 2' X 6"
4-	Dia./type of well casing	2-inch / PVC
5-	Type/slot size of screen	PVC / .020 Vee Wire Screen
6-	Type screen filter	20/30 silica sand
	a) Quantity used	8 (50 lb) bags
7-	Type of seal	Barroid bentonite chips
	a) Quantity used	1/2 (50 lb) bag
8-	Grout	
	a) Grout mix used	Type I/II Portland cement w/ 5% bentonite
	b) Method of placement	Trimmie
	Development method	Surge block/Submersible and whale pump
	Development time	0.75 h
	Estimated purge volume	90 gal

Comments At end of well development, groundwater was brown and cloudy, with no odor. Cores to 35'.
20-25' - Brown, Tan, Med. to Fine Sand, wet OVM 2.1 ppm
25-30' - Brown, Tan, Med. to Fine Sand, wet OVM 2.0 ppm
30-35' - Brown, Med. to Fine Sands, moist OVM 1.2 ppm
35-36' - Clayey Sands at 35' - Brown, Moist OVM 1.2 ppm, no odor, SC
36-40' - Hawthorne Clay, CL

PROJECT NUMBER	WELL NUMBER	
283095.04.03	IW-2A	SHEET 1 OF 1

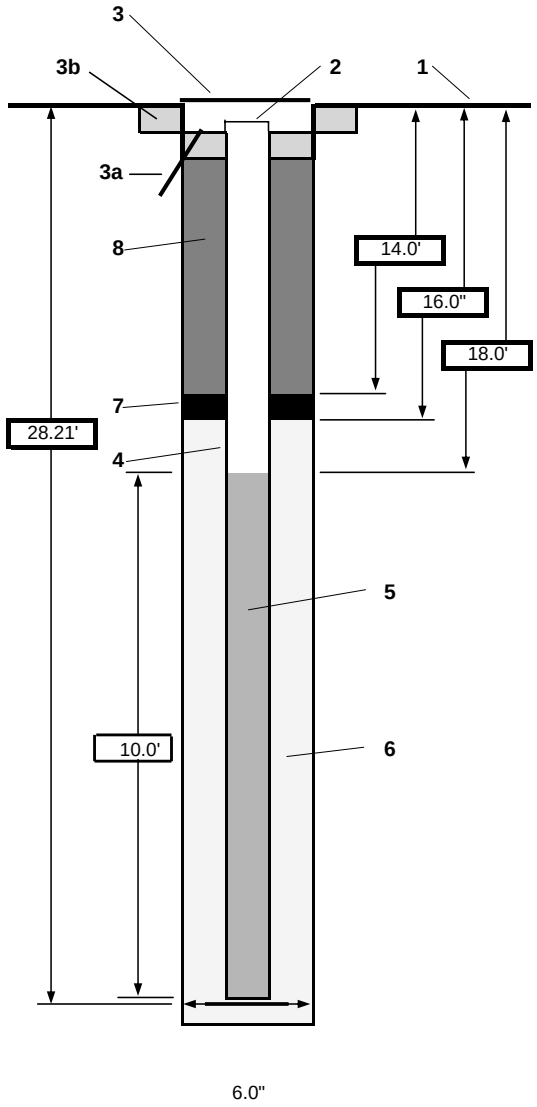
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando, OU-2 LOCATION : NTC Orlando, OU-2 NORTHING: 1484055.458

DRILLING CONTRACTOR : Prosonic Drilling Corporation EASTING: 545715.185

DRILLING METHOD AND EQUIPMENT USED : Rotosonic

WATER LEVELS :4.5 START : 6-01-2007 END : 6-01-2007 LOGGER : Andrew O'Conor



1-	Ground elevation at well	89.558
2-	Top of casing elevation	89.35
3-	Wellhead protection cover type	Bolt-down manhole cover.
	a) drain tube?	yes
	b) concrete pad dimensions	2' X 2' X 6"
4-	Dia./type of well casing	2-inch / PVC
5-	Type/slot size of screen	PVC / .020 Vee Wire Screen
6-	Type screen filter	20/30 silica sand
	a) Quantity used	5 (50 lb) bags
7-	Type of seal	Barroid bentonite chips
	a) Quantity used	1/2 (50 lb) bag
8-	Grout	
	a) Grout mix used	Type I/II Portland cement w/ 5% bentonite
	b) Method of placement	Trimmie
	Development method	Surge block / Submersible pump
	Development time	1.25 h
	Estimated purge volume	110 gal

Comments At end of well development, groundwater was tan and turbid, with no odor.

PROJECT NUMBER	WELL NUMBER	
283095.04.03	IW-2B	SHEET 1 OF 1

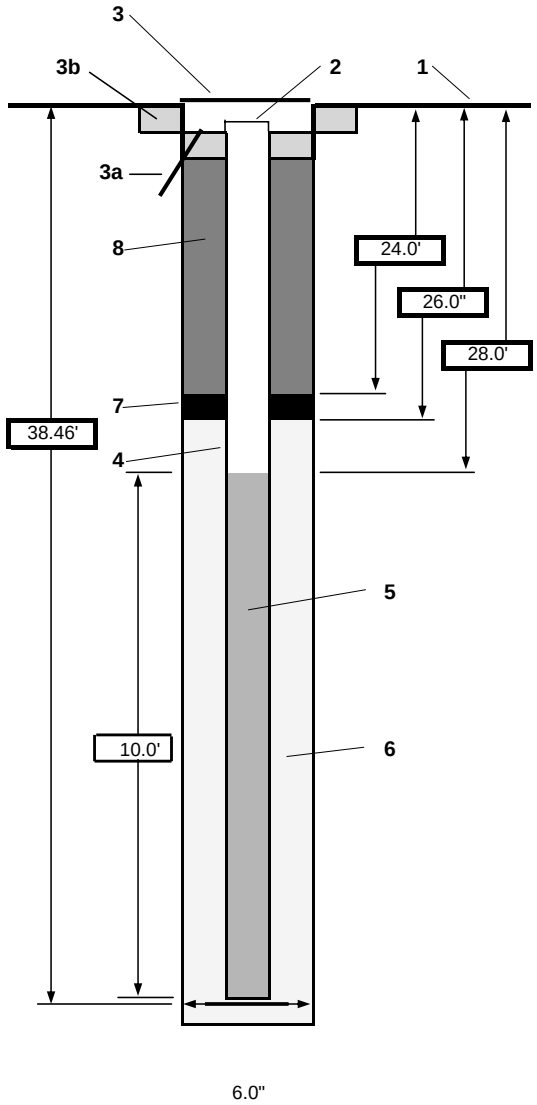
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando, OU-2 LOCATION : NTC Orlando, OU-2 NORTHING: 1484055.525

DRILLING CONTRACTOR : Prosonic Drilling Corporation EASTING: 545715.183

DRILLING METHOD AND EQUIPMENT USED : Rotosonic

WATER LEVELS :4.5 START : 5-31-2007 END : 5-31-2007 LOGGER : Andrew O'Conor



1-	Ground elevation at well	89.518
2-	Top of casing elevation	89.35
3-	Wellhead protection cover type	Bolt-down manhole cover.
	a) drain tube?	yes
	b) concrete pad dimensions	2' X 2' X 6"
4-	Dia./type of well casing	2-inch / PVC
5-	Type/slot size of screen	PVC / .020 Vee Wire Screen
6-	Type screen filter	20/30 silica sand
	a) Quantity used	6 (50 lb) bags
7-	Type of seal	Barroid bentonite chips
	a) Quantity used	1/2 (25 lb) bag
8-	Grout	
	a) Grout mix used	Type I/II Portland cement w/ 5% bentonite
	b) Method of placement	Trimmie
	Development method	Surge block/Submersible and whale pump
	Development time	1.25 h
	Estimated purge volume	110 gal

Comments At end of well development, groundwater was cloudy and gray, with a sulfuric odor
20-38.5' - Light Brown to Brown Med. Fine Sand with clay sands at 38', wet. OVM 23 ppm
38.5-43' - Hawthorn Clay. OVM 2.1 ppm

PROJECT NUMBER	WELL NUMBER	
283095.04.03	MW-43A	SHEET 1 OF 1

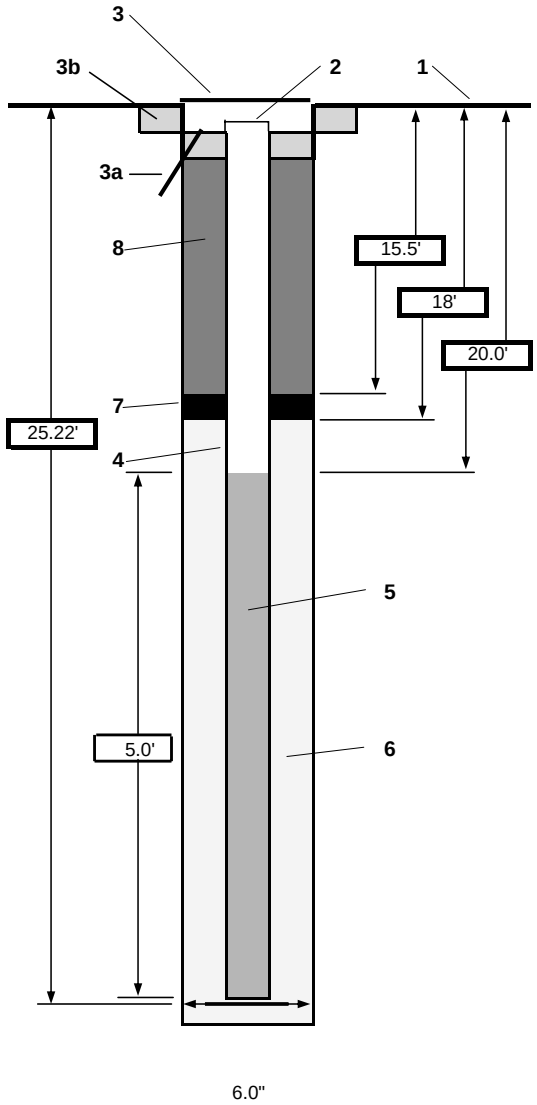
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando, OU-2 LOCATION : NTC Orlando, OU-2 NORTHING: 1484237.09

DRILLING CONTRACTOR : Prosonic Drilling Corporation EASTING: 545719.465

DRILLING METHOD AND EQUIPMENT USED : Rotosonic

WATER LEVELS :4.5 START : 5-30-2007 END : 5-30-2007 LOGGER : Andrew O'Conor



1-	Ground elevation at well	89.691
2-	Top of casing elevation	89.48
3-	Wellhead protection cover type	Bolt-down manhole cover.
	a) drain tube?	yes
	b) concrete pad dimensions	2' X 2' X 6"
4-	Dia./type of well casing	2-inch / PVC
5-	Type/slot size of screen	PVC / .010-slot
6-	Type screen filter	20/30 silica sand
	a) Quantity used	3 (50 lb) bags
7-	Type of seal	Barroid bentonite chips
	a) Quantity used	1/2 (50 lb) bag
8-	Grout	
	a) Grout mix used	Type I/II Portland cement w/ 5% bentonite
	b) Method of placement	Trimmie
	Development method	Surge block / Submersible pump
	Development time	
	Estimated purge volume	

Comments No lithologic data collected

PROJECT NUMBER	WELL NUMBER	
283095.04.03	MW-44A	SHEET 1 OF 1

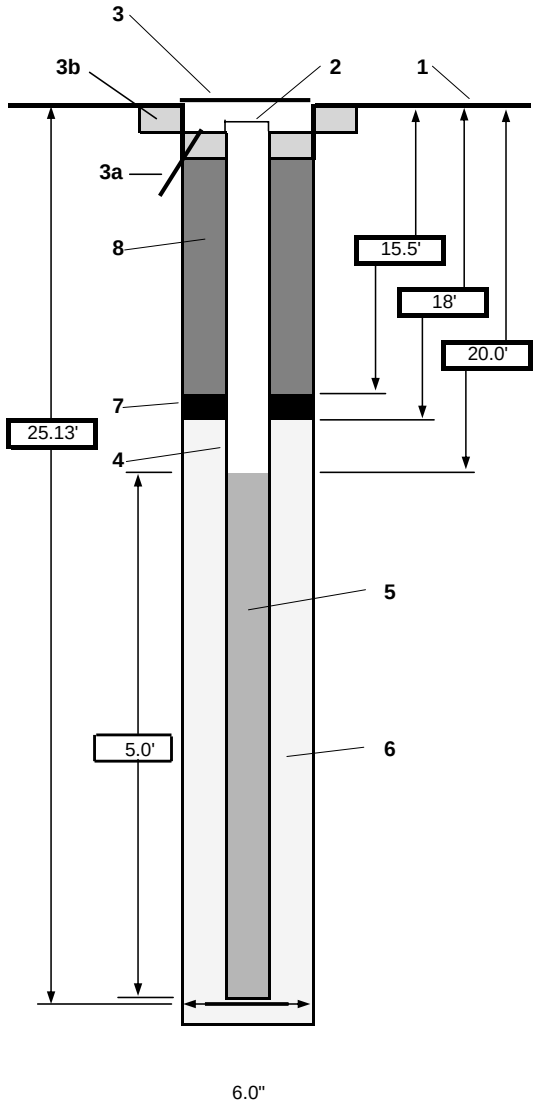
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando, OU-2 LOCATION : NTC Orlando, OU-2 NORTHING: 1484040.774

DRILLING CONTRACTOR : Prosonic Drilling Corporation EASTING: 545715.634

DRILLING METHOD AND EQUIPMENT USED : Rotosonic

WATER LEVELS :4.5 START : 5-30-2007 END : 5-30-2007 LOGGER : Andrew O'Conor



1-	Ground elevation at well	89.536
2-	Top of casing elevation	89.40
3-	Wellhead protection cover type	Bolt-down manhole cover.
	a) drain tube?	yes
	b) concrete pad dimensions	2' X 2' X 6"
4-	Dia./type of well casing	2-inch / PVC
5-	Type/slot size of screen	PVC / .010-slot
6-	Type screen filter	20/30 silica sand
	a) Quantity used	3 (50 lb) bags
7-	Type of seal	Barroid bentonite chips
	a) Quantity used	1/2 (50 lb) bag
8-	Grout	
	a) Grout mix used	Type I/II Portland cement w/ 5% bentonite
	b) Method of placement	Trimmie
	Development method	Surge block / Submersible pump
	Development time	
	Estimated purge volume	

Comments No lithologic data collected

PROJECT NUMBER	WELL NUMBER	
283095.04.03	MW-46A	SHEET 1 OF 1

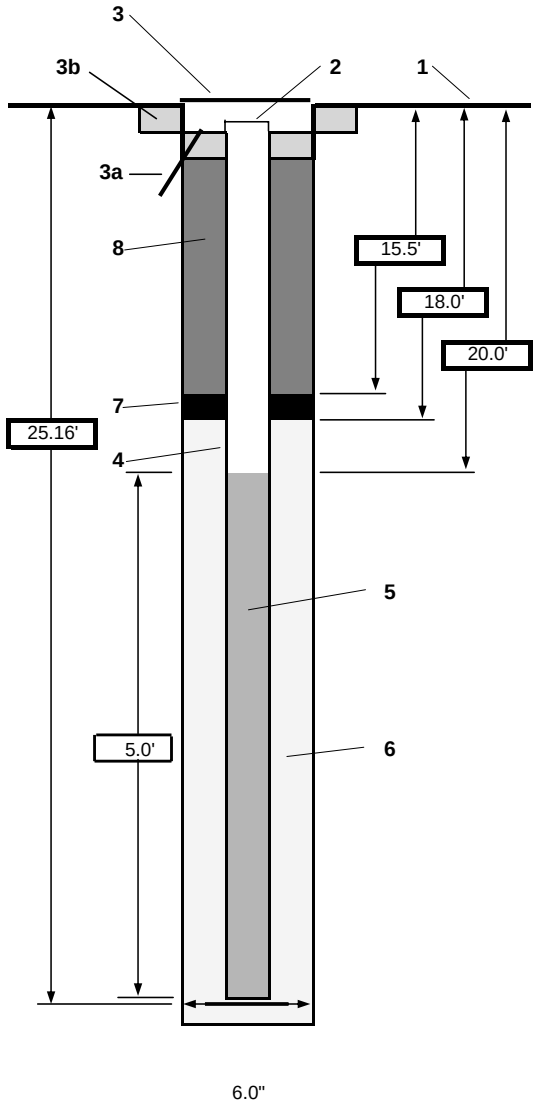
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando, OU-2 LOCATION : NTC Orlando, OU-2 NORTHING: 1484212.096

DRILLING CONTRACTOR : Prosonic Drilling Corporation EASTING: 545720.893

DRILLING METHOD AND EQUIPMENT USED : Rotosonic

WATER LEVELS :4.5 START : 5-30-2007 END : 5-30-2007 LOGGER : Andrew O'Conor



1-	Ground elevation at well	89.802
2-	Top of casing elevation	89.64
3-	Wellhead protection cover type	Bolt-down manhole cover.
	a) drain tube?	yes
	b) concrete pad dimensions	2' X 2' X 6"
4-	Dia./type of well casing	2-inch / PVC
5-	Type/slot size of screen	PVC / .010-slot
6-	Type screen filter	20/30 silica sand
	a) Quantity used	3 (50 lb) bags
7-	Type of seal	Barroid bentonite chips
	a) Quantity used	1/2 (50 lb) bag
8-	Grout	
	a) Grout mix used	Type I/II Portland cement w/ 5% bentonite
	b) Method of placement	Trimmie
	Development method	Surge block / Submersible pump
	Development time	
	Estimated purge volume	

Comments No lithologic data collected

PROJECT NUMBER	WELL NUMBER	
283095.04.03	MW-46B	SHEET 1 OF 1

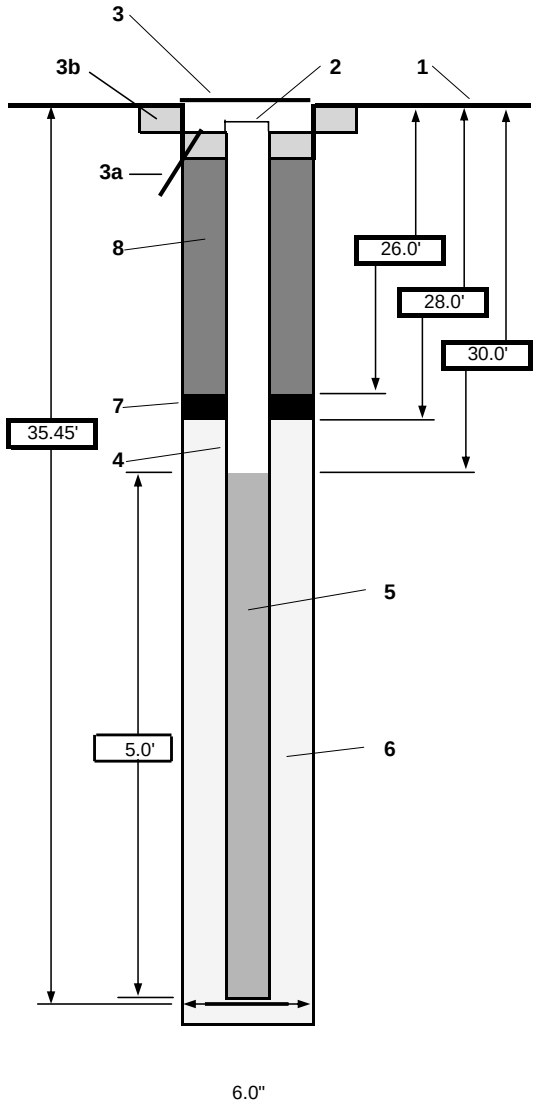
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando, OU-2 LOCATION : NTC Orlando, OU-2 NORTHING: 1484212.206

DRILLING CONTRACTOR : Prosonic Drilling Corporation EASTING: 545715.913

DRILLING METHOD AND EQUIPMENT USED : Rotosonic

WATER LEVELS :4.5 START : 5-31-2007 END : 5-31-2007 LOGGER : Andrew O'Conor



1-	Ground elevation at well	89.378
2-	Top of casing elevation	89.232
3-	Wellhead protection cover type	Bolt-down manhole cover.
	a) drain tube?	yes
	b) concrete pad dimensions	2' X 2' X 6"
4-	Dia./type of well casing	2-inch / PVC
5-	Type/slot size of screen	PVC / .010-slot
6-	Type screen filter	20/30 silica sand
	a) Quantity used	3 (50 lb) bags
7-	Type of seal	Barroid bentonite chips
	a) Quantity used	1/2 (50 lb) bag
8-	Grout	
	a) Grout mix used	Type I/II Portland cement w/ 5% bentonite
	b) Method of placement	Trimmie
	Development method	Surge block/Submersible and Whale Pump
	Development time	1.5 h
	Estimated purge volume	105 gal

Comments Well developed clear.

PROJECT NUMBER	WELL NUMBER	
283095.04.03	MW-47A	SHEET 1 OF 1

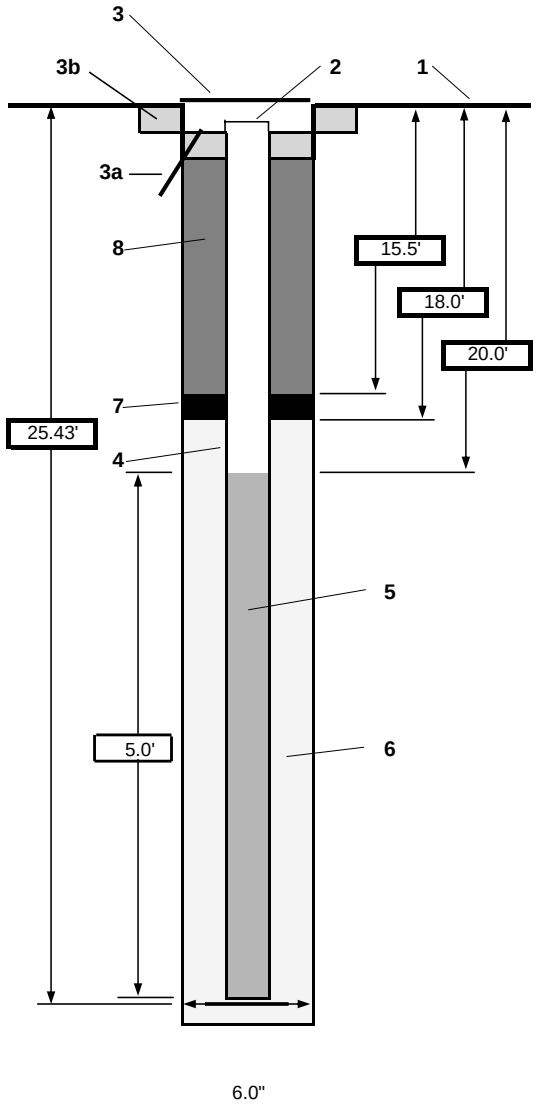
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando, OU-2 LOCATION : NTC Orlando, OU-2 NORTHING: 1484224.826

DRILLING CONTRACTOR : Prosonic Drilling Corporation EASTING: 545721.036

DRILLING METHOD AND EQUIPMENT USED : Rotosonic

WATER LEVELS :4.5 START : 5-31-2007 END : 5-31-2007 LOGGER : Andrew O'Conor



1-	Ground elevation at well	89.558
2-	Top of casing elevation	89.56
3-	Wellhead protection cover type	Bolt-down manhole cover.
	a) drain tube?	yes
	b) concrete pad dimensions	2' X 2' X 6"
4-	Dia./type of well casing	2-inch / PVC
5-	Type/slot size of screen	PVC / .010-slot
6-	Type screen filter	20/30 silica sand
	a) Quantity used	3 (50 lb) bags
7-	Type of seal	Barroid bentonite chips
	a) Quantity used	1/2 (50 lb) bag
8-	Grout	
	a) Grout mix used	Type I/II Portland cement w/ 5% bentonite
	b) Method of placement	Trimmie
	Development method	Surge block/Submersible and whale pump
	Development time	0.5 h
	Estimated purge volume	75 gal

Comments

cores collected to 45 ft

20-25' - Brown Med, Sands

PROJECT NUMBER	WELL NUMBER	
283095.04.03	MW-47B	SHEET 1 OF 1

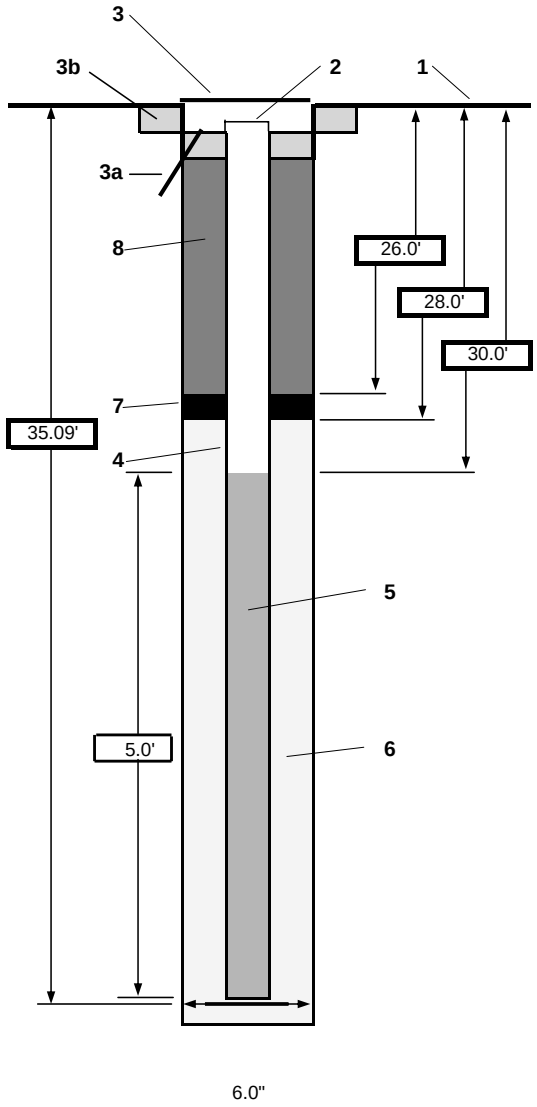
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando, OU-2 LOCATION : NTC Orlando, OU-2 NORTHING: 1484228.574

DRILLING CONTRACTOR : Prosonic Drilling Corporation EASTING: 545721.108

DRILLING METHOD AND EQUIPMENT USED : Rotosonic

WATER LEVELS :4.5 START : 5-30-2007 END : 5-30-2007 LOGGER : Andrew O'Conor



1-	Ground elevation at well	89.669
2-	Top of casing elevation	89.58
3-	Wellhead protection cover type	Bolt-down manhole cover.
	a) drain tube?	yes
	b) concrete pad dimensions	2' X 2' X 6"
4-	Dia./type of well casing	2-inch / PVC
5-	Type/slot size of screen	PVC / .010-slot
6-	Type screen filter	20/30 silica sand
	a) Quantity used	3 (50 lb) bags
7-	Type of seal	Barroid bentonite chips
	a) Quantity used	1/2 (50 lb) bag
8-	Grout	
	a) Grout mix used	Type I/II Portland cement w/ 5% bentonite
	b) Method of placement	Trimmie
	Development method	Surge block / Submersible pump
	Development time	
	Estimated purge volume	

Comments Cores to 45'.
20-25' - Brown Med. Sands
25-30' - Wet at 28' - Brown Med. Sand. OVM 2.4 ppm
30-35' - Sandy Clay to Sand
35-40' Hawthorn, Med. Sand
40-45' - Hawthorn Clay
TOC sample taken from screen interval 30-35' bls.

PROJECT NUMBER	WELL NUMBER	
283095.04.03	MW-48A	SHEET 1 OF 1

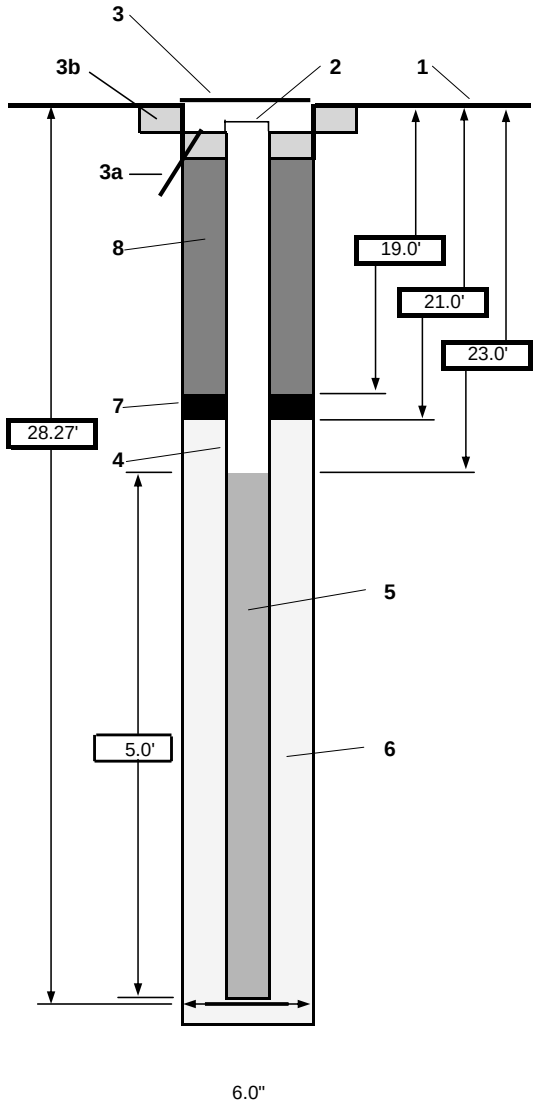
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando, OU-2 LOCATION : NTC Orlando, OU-2 NORTHING: 1484051.413

DRILLING CONTRACTOR : Prosonic Drilling Corporation EASTING: 545720.453

DRILLING METHOD AND EQUIPMENT USED : Rotosonic

WATER LEVELS :4.5 START : 6-01-2007 END : 6-01-2007 LOGGER : Andrew O'Conor



1-	Ground elevation at well	89.681
2-	Top of casing elevation	89.635
3-	Wellhead protection cover type	Bolt-down manhole cover.
	a) drain tube?	yes
	b) concrete pad dimensions	2' X 2' X 6"
4-	Dia./type of well casing	2-inch / PVC
5-	Type/slot size of screen	PVC / .010-slot
6-	Type screen filter	20/30 silica sand
	a) Quantity used	3 (50 lb) bags
7-	Type of seal	Barroid bentonite chips
	a) Quantity used	1/2 (50 lb) bag
8-	Grout	
	a) Grout mix used	Type I/II Portland cement w/ 5% bentonite
	b) Method of placement	Trimmie
	Development method	Surge block / Submersible pump
	Development time	1.75 h
	Estimated purge volume	90 gal

Comments At the end of well development, groundwater was cloudy
20-38.5' - Light Brown to Brown Sand Med./Fine

PROJECT NUMBER	WELL NUMBER	
283095.04.03	MW-48B	SHEET 1 OF 1

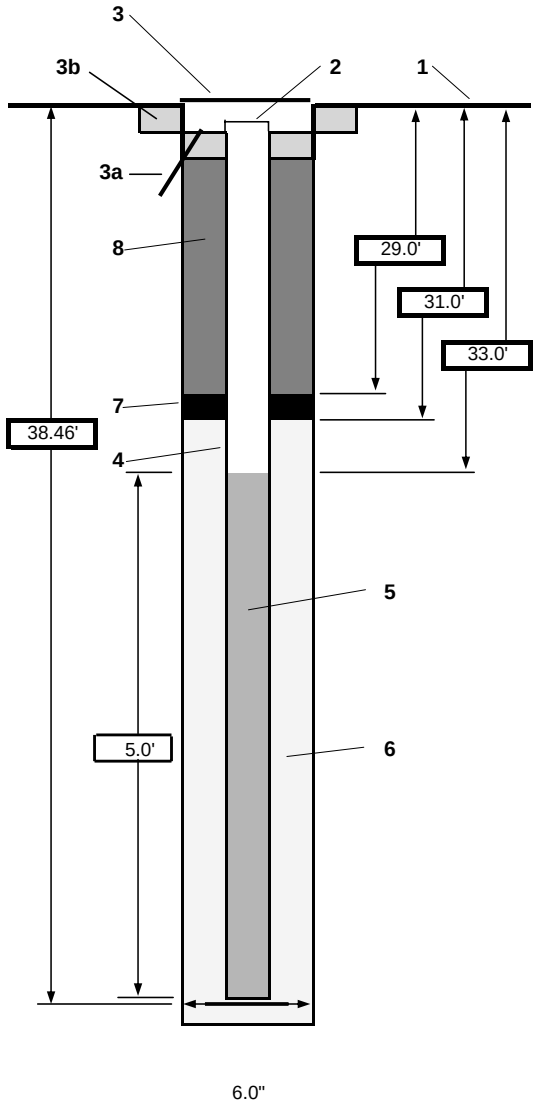
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando, OU-2 | LOCATION : NTC Orlando, OU-2 | NORTHING: 1484055.224

DRILLING CONTRACTOR : Prosonic Drilling Corporation | EASTING: 545720.597

DRILLING METHOD AND EQUIPMENT USED : Rotosonic

WATER LEVELS :4.5 | START : 5-31-2007 | END : 5-31-2007 | LOGGER : Andrew O'Conor



1-	Ground elevation at well	89.711
2-	Top of casing elevation	89.619
3-	Wellhead protection cover type	Bolt-down manhole cover.
	a) drain tube?	yes
	b) concrete pad dimensions	2' X 2' X 6"
4-	Dia./type of well casing	2-inch / PVC
5-	Type/slot size of screen	PVC / .010-slot
6-	Type screen filter	20/30 silica sand
	a) Quantity used	3 (50 lb) bags
7-	Type of seal	Barroid bentonite chips
	a) Quantity used	1/2 (50 lb) bag
8-	Grout	
	a) Grout mix used	Type I/II Portland cement w/ 5% bentonite
	b) Method of placement	Trimmie
	Development method	Surge block/Submersible and whale pump
	Development time	1.75 h
	Estimated purge volume	150 gal

Comments At the end of well development, groundwater was cloudy, with strong sulfuric odor.
20-38.5' - Light Brown to Brown Sand Med./Fine. Saturated. OVM at 30' = 17.4 ppm
38-43' - Hawthorn clay. OVM 2.4 ppm
TOC soil sample collected at 33-38', OVM 7.4 ppm

PROJECT NUMBER	WELL NUMBER	
283383.10.10	IW-1	SHEET 1 OF 1

WELL DEVELOPMENT LOG

Date: 06/01/07

PROJECT : NTC Orlando LOCATION : OU2 NTC Orlando

DEVELOPMENT CONTRACTOR : CH2M Hill / AGVIQ

DEVELOPMENT METHOD AND EQUIPMENT USED : Whale pump to remove sand and grundfos pump for development

START WATER LEVELS : 9.04 BTOC Start Time : 10:10 End Time: 11:00 LOGGER : Sarah Vaughn Total Depth: 34.75 BTOC

MAXIMUM DRAWDOWN DURING PUMPING: 25.50 BTOC

RANGE AND AVERAGE DISCHARGE RATE: 1.11 GPM

TOTAL QUANTITY OF WATER DISCHARGED: 90 GAL

DISPOSITION OF DISCHARGE WATER: 55 gallon Drum then pumped into a 6500 gallon holding tank.

Injection Well with the 20 ft 0.20 Johnson "V" wire continuous wrap, 20/30 grade filter pack. Turbidity >1000.

First 20 gallons was pumped using the whale pump to remove silt.

Time	Water Volume Discharge (gal)	Water Level (ft BTOC)	Turbidity (NTU)	Temperature (°C)	pH	Conductivity (µmhos/cm)	Remarks (color, odor, sheen, sediment, etc.)
10:20	50	25.50	>1000	25.5	5.17	195	Dark Brown, very Turbid, no odor
10:40	70	25.50	>1000	24.6	5.20	184	Medium Brown color, no odor
11:00	90	25.50	>1000	24.8	5.24	192	Brown, Cloudy, no odor
Well has been surged using the pump,							
OVM in the BZ = <1 ppm							

PROJECT NUMBER	WELL NUMBER	
283383.10.10	IW 2A	SHEET 1 OF 1

WELL DEVELOPMENT LOG

Date: 06/05/07

PROJECT : NTC Orlando LOCATION : OU2 NTC Orlando

DEVELOPMENT CONTRACTOR : CH2M Hill / AGVIQ

DEVELOPMENT METHOD AND EQUIPMENT USED : Whale pump to remove sand and grundfos pump for development

START WATER LEVELS : 8.82 BTOC Start Time :14:15 End Time: 14:45 LOGGER : Sarah Vaughn Total Depth: 28.0 BTOC

MAXIMUM DRAWDOWN DURING PUMPING: 17.05 BTOC

RANGE AND AVERAGE DISCHARGE RATE: 1.0 GPM

TOTAL QUANTITY OF WATER DISCHARGED: 110 GAL

DISPOSITION OF DISCHARGE WATER: 55 gallon Drum then pumped into a 6500 gallon holding tank.

First 20 gallons was pumped using the whale pump to remove silt. Very Turbid, Slight H2S odor.

Time	Water Volume Discharge (gal)	Water Level (ft BTOC)	Turbidity (NTU)	Temperature (°C)	pH	Conductivity (µmhos/cm)	Remarks (color, odor, sheen, sediment, etc.)
14:35	40	16.30	>1000	26.9	5.54	84.3	Dark Brown color, slight H2S odor
14:45	50	16.33	>1000	25.9	5.26	157	Dark Brown color, slight H2S odor
15:00	65	16.55	>1000	25.7	5.28	100	Tan color, Slight H2S odor
15:15	80	17.02	750	25.6	5.21	154	Tan color, Slight H2S odor
15:25	90	17.05	>1000	25.4	5.15	82.4	Tan color, Slight H2S odor
15:40	105	16.45	685	25.9	5.17	80.2	Tan , Turbid, no odor
15:45	110	16.60	420	25.3	5.16	77.2	Tan , Turbid, no odor
Well has been surged using the pump,							
OVM in the BZ = <1 ppm							

PROJECT NUMBER	WELL NUMBER	
283383.10.10	IW 2B	SHEET 1 OF 1

WELL DEVELOPMENT LOG

Date: 06/05/07

PROJECT : NTC Orlando LOCATION : OU2 NTC Orlando

DEVELOPMENT CONTRACTOR : CH2M Hill / AGVIQ

DEVELOPMENT METHOD AND EQUIPMENT USED : Whale pump to remove sand and grundfos pump for development

START WATER LEVELS : 8.96 BTOC Start Time : 14:35 End Time: 16:10 LOGGER : Sarah Vaughn Total Depth: 38.30 BTOC

MAXIMUM DRAWDOWN DURING PUMPING: 30.75 BTOC

RANGE AND AVERAGE DISCHARGE RATE: 1.0 GPM

TOTAL QUANTITY OF WATER DISCHARGED: 110 GAL

DISPOSITION OF DISCHARGE WATER: 55 gallon Drum then pumped into a 6500 gallon holding tank.

First 10 gallons was pumped using the whale pump to remove silt.

Time	Water Volume Discharge (gal)	Water Level (ft BTOC)	Turbidity (NTU)	Temperature (°C)	pH	Conductivity (µmhos/cm)	Remarks (color, odor, sheen, sediment, etc.)
14:50	25	24.20	>1000	25.9	5.42	253	Cloudy, Milky, strong H2S odor
15:05	40	26.45	459	25.8	5.47	175	Cloudy, Gray, strong H2S odor
15:20	55	27.28	741	25.5	5.15	152	Tan color, strong H2S odor
15:35	70	27.38	640	25.8	5.09	158	Tan color, strong H2S odor
15:55	90	27.65	330	25.4	5.08	82.4	Cloudy, gray, strong H2S odor
16:10	110	30.75	413	24.3	5.06	142	Cloudy, gray strong H2S odor
Well has been surged using the pump,							
OVM in the BZ = <1 ppm							

PROJECT NUMBER	WELL NUMBER	
283383.10.10	MW47A	SHEET 1 OF 1

WELL DEVELOPMENT LOG

Date: 06/01/07

PROJECT : NTC Orlando LOCATION : OU2 NTC Orlando

DEVELOPMENT CONTRACTOR : CH2M Hill / AGVIQ

DEVELOPMENT METHOD AND EQUIPMENT USED : Whale pump to remove sand and grundfos pump for development

START WATER LEVELS : 16.70 BTOC Start Time : 09:50 End Time: 12:00 LOGGER : Sarah Vaughn Total Depth: 25.25 BTOC

MAXIMUM DRAWDOWN DURING PUMPING: 23.73 BTOC

RANGE AND AVERAGE DISCHARGE RATE: 0.5 GPM Variable, never >0.5 GPM

TOTAL QUANTITY OF WATER DISCHARGED: 75 GAL

DISPOSITION OF DISCHARGE WATER: 55 gallon Drum then pumped into a 6500 gallon holding tank.

First 25 gallons was pumped using the whale pump to remove silt.

Time	Water Volume Discharge (gal)	Water Level (ft BTOC)	Turbidity (NTU)	Temperature (°C)	pH	Conductivity (µmhos/cm)	Remarks (color, odor, sheen, sediment, etc.)
11:25	60	20.90	765.0	26.0	5.22	149	Dark Brown color, Silty, slow recharge
11:35	65	23.13	>1000	26.2	5.24	152	Brown, no odor
11:45	70	23.41	328	26.3	5.12	142	Cloudy, no odor
11:55	75	23.73	129.0	26.2	5.09	140	Cloudy, no odor
Well has been surged using the pump,							
OVM in the BZ = <1 ppm							

PROJECT NUMBER	WELL NUMBER	
283383.10.10	MW 48A	SHEET 1 OF 1

WELL DEVELOPMENT LOG

Date: 06/05/07

PROJECT : NTC Orlando LOCATION : OU2 NTC Orlando

DEVELOPMENT CONTRACTOR : CH2M Hill / AGVIQ

DEVELOPMENT METHOD AND EQUIPMENT USED : Whale pump to remove sand and grundfos pump for development

START WATER LEVELS : 9.06 BTOC Start Time : 16:00 End Time: 17:50 LOGGER : Sarah Vaughn Total Depth: 28.22 BTOC

MAXIMUM DRAWDOWN DURING PUMPING: 23.35 BTOC

RANGE AND AVERAGE DISCHARGE RATE: 0.5 GPM to 0.75 GPM

TOTAL QUANTITY OF WATER DISCHARGED: 90 GAL

DISPOSITION OF DISCHARGE WATER: 55 gallon Drum then pumped into a 6500 gallon holding tank.

First 20 gallons was pumped using the whale pump to remove silt. Slight H2S odor.

Time	Water Volume Discharge (gal)	Water Level (ft BTOC)	Turbidity (NTU)	Temperature (°C)	pH	Conductivity (µmhos/cm)	Remarks (color, odor, sheen, sediment, etc.)
16:05	25	17.33	>1000	26.8	5.31	89.2	Tan color, slight H2S odor
16:15	30	18.84	>1000	26.3	5.15	75.0	Tan color, slight H2S odor
16:25	35	18.05	284	26.2	5.32	71.2	Tan color, slight H2S odor
16:40	42	18.72	547	26.9	5.30	72.5	Cloudy
17:00	50	18.30	326	27.1	5.15	79.4	Cloudy
17:15	60	23.22	995	25.7	5.04	77.6	Cloudy
17:25	67	23.35	709	25.4	5.11	99.8	Cloudy
17:35	75	23.10	340	25.6	5.07	84.5	Cloudy
17:45	90	23.35	215	25.1	4.98	81.7	Cloudy

Well has been surged using the pump,
OVM in the BZ = <1 ppm

PROJECT NUMBER	WELL NUMBER	
283383.10.10	MW46B	SHEET 1 OF 1

WELL DEVELOPMENT LOG

Date: 06/01/07

PROJECT : NTC Orlando LOCATION : OU2 NTC Orlando

DEVELOPMENT CONTRACTOR : CH2M Hill / AGVIQ

DEVELOPMENT METHOD AND EQUIPMENT USED : Whale pump to remove sand and grundfos pump for development

START WATER LEVELS : 8.85 BTOC Start Time : 13:55 End Time: 15:20 LOGGER : Sarah Vaughn Total Depth: 35..30 BTOC

MAXIMUM DRAWDOWN DURING PUMPING: 34.00 BTOC

RANGE AND AVERAGE DISCHARGE RATE: 1.0 GPM

TOTAL QUANTITY OF WATER DISCHARGED: 105 GAL

DISPOSITION OF DISCHARGE WATER: 55 gallon Drum then pumped into a 6500 gallon holding tank.

First 20 gallons was pumped using the whale pump to remove silt.

Time	Water Volume Discharge (gal)	Water Level (ft BTOC)	Turbidity (NTU)	Temperature (°C)	pH	Conductivity (µmhos/cm)	Remarks (color, odor, sheen, sediment, etc.)
14:05	30	20.05	591	25.8	5.26	176	Tan in color, no odor
14:20	40	20.99	>1000	24.7	5.25	155	Cloudy, no odor
14:35	55	24.96	683	24.2	5.31	136	Cloudy, no odor
15:00	85	33.70	105	24.4	5.26	139	Cloudy, no odor
15:10	95	33.70	141	24.0	4.99	129	Slightly Cloudy, no odor
15:15	100	33.90	138	24.0	5.00	133	Slightly Cloudy, no odor
15:20	105	33.55	93.6	23.9	5.06	131	Clear
Well has been surged using the pump,							
OVM in the BZ = <1 ppm							

PROJECT NUMBER	WELL NUMBER	
283383.10.10	MW48B	SHEET 1 OF 1

WELL DEVELOPMENT LOG

Date: 06/05/07

PROJECT : NTC Orlando LOCATION : OU2 NTC Orlando

DEVELOPMENT CONTRACTOR : CH2M Hill / AGVIQ

DEVELOPMENT METHOD AND EQUIPMENT USED : Whale pump to remove sand and grundfos pump for development

START WATER LEVELS : 7.42 BTOC Start Time : 16:18 End Time: 17:50 LOGGER : Sarah Vaughn Total Depth: 38.30 BTOC

MAXIMUM DRAWDOWN DURING PUMPING: 35.54 BTOC

RANGE AND AVERAGE DISCHARGE RATE: 1.2 GPM

TOTAL QUANTITY OF WATER DISCHARGED: 150 GAL

DISPOSITION OF DISCHARGE WATER: 55 gallon Drum then pumped into a 6500 gallon holding tank.

First 45 gallons was pumped using the whale pump to remove silt. Strong H2S odor

Time	Water Volume Discharge (gal)	Water Level (ft BTOC)	Turbidity (NTU)	Temperature (°C)	pH	Conductivity (µmhos/cm)	Remarks (color, odor, sheen, sediment, etc.)
16:05	75	35.20	367	25.5	5.12	113	Turbid with, H2S odor odor
17:00	90	35.54	216	25.6	5.16	71.7	Cloudy, strong H2S odor odor
17:05	95	35.12	421	25.9	5.06	89.2	Cloudy, strong H2S odor odor
17:20	115	33.12	149	25.2	5.08	71.6	Cloudy, strong H2S odor odor
17:30	125	33.80	289	24.8	5.1	67.2	Cloudy, strong H2S odor odor
17:40	135	33.86	173	24.8	5.13	75.3	Cloudy, strong H2S odor odor
17:50	150	34.12	118	25.0	4.05	65.3	Cloudy, strong H2S odor odor
Well has been surged using the pump,							
OVM in the BZ = <1 ppm							

12-Jun-07

Project Number: 283095.04.03

ORLANDO NAVAL TRAINING CENTER
SITE OU-2
FIELD SURVEY JUNE 7, 2007

NOTE: Horizontal Datum is NAD (North American Datum) 83 (1990) SPC FL E US Survey Feet
Vertical Datum is NAVD (North American Vertical Datum) 1988

Survey Control Points	Easting	Northing	Elevation (ft)	Point No.
KW-20 REBAR	545711.689	1484915.666	90.565	20
KW-24 REBAR	545721.342	1484080.556	89.768	24

Wells

Well ID (Installed During Pilot Study)	Easting	Northing	Elevation (ft)	Point No.
IW-1 (1)	545715.33	1484226.925	89.278	501
IW-1 (2)	545715.335	1484227.573	89.475	502
IW-1 (3)	545715.4	1484228.055	89.286	503
IW-2A (1)	545715.185	1484055.458	89.347	538
IW-2A (2)	545715.173	1484054.726	89.662	539
IW-2A (3)	545716.362	1484054.612	89.558	540
IW-2B (1)	545715.183	1484055.525	89.354	525
IW-2B (2)	545715.052	1484055.937	89.657	526
IW-2B (3)	545715.168	1484056.802	89.518	527
MW-43A (1)	545719.465	1484237.09	89.476	506
MW-43A (2)	545719.482	1484237.712	89.763	505
MW-43A (3)	545719.755	1484238.101	89.691	504
MW-44A (1)	545715.634	1484040.774	89.404	536
MW-44A (2)	545715.547	1484041.332	89.72	535
MW-44A (3)	545715.644	1484041.992	89.536	534
MW-46A (1)	545720.893	1484212.096	89.64	524
MW-46A (2)	545720.885	1484212.551	89.865	523
MW-46A (3)	545720.694	1484213.399	89.802	522
MW-46B (1)	545715.913	1484212.206	89.232	519
MW-46B (2)	545715.841	1484212.776	89.555	520
MW-46B (3)	545715.774	1484213.285	89.378	521
MW-47A (1)	545721.036	1484224.826	89.558	512
MW-47A (2)	545721.045	1484225.351	89.789	511
MW-47A (3)	545721.056	1484226.169	89.737	510
MW-47B (1)	545721.108	1484228.574	89.581	507
MW-47B (2)	545720.908	1484229.39	89.849	508
MW-47B (3)	545721.015	1484229.936	89.669	509
MW-48A (1)	545720.453	1484051.413	89.635	531
MW-48A (2)	545720.523	1484052.074	89.892	532
MW-48A (3)	545720.478	1484052.598	89.681	533
MW-48B (1)	545720.597	1484055.224	89.619	530
MW-48B (2)	545720.46	1484055.93	89.892	529
MW-48B (3)	545720.646	1484056.557	89.711	528

Index Key
(1) = Top Casing
(2) = Top Concrete
(3) = Ground Adjacent

12-Jun-07

Project Number: 283095.04.03

ORLANDO NAVAL TRAINING CENTER
SITE OU-2

Well ID (Existing)	Easting	Northing	TOC Elev.	Ground Elev.
OLD-OU2-38A	545712.85	1485034.35	90.69	90.70
OLD-OU2-38B	545712.78	1485041.19	90.60	90.70
OLD-OU2-39A	545716.74	1484357.96	89.63	89.70
OU2-MW-39B	545716.86	1484363.24	89.30	89.70
OLD-OU2-40A	545715.26	1484060.38	89.42	89.50
OLD-OU2-40B	545715.28	1484064.96	89.44	89.50
OLD-OU2-41A	545713.73	1483906.53	89.51	89.60
OLD-OU2-41B	545713.48	1483911.85	89.49	89.60
OLD-OU2-42B	545716.67	1484296.88	89.60	89.70
OLD-OU2-43B	545715.59	1484236.91	89.37	89.60
OLD-OU2-44B	545713.87	1484038.07	89.39	89.30
OLD-OU2-45B	545715.65	1484012.50	89.38	89.50
OU2-PZ-26A	545704.46	1484277.98	88.80	89.00
OU2-PZ-26B	545704.17	1484282.84	89.01	89.10
OU2-PZ-27A	545698.98	1484060.67	88.89	89.00
OU2-PZ-27B	545699.25	1484065.83	88.85	88.90
OU2-PZ-28A	545695.38	1483836.98	88.48	88.70
OU2-PZ-28B	545695.68	1483842.04	88.70	88.80
OU2-PZ-29A	545730.82	1484277.97	90.30	90.40
OU2-PZ-29B	545730.65	1484283.16	90.22	90.40
OU2-PZ-30A	545733.58	1484059.38	90.28	90.50
OU2-PZ-30B	545733.57	1484064.26	90.31	90.40
OU2-PZ-31A	545734.25	1483836.71	90.19	90.30
OU2-PZ-31B	545733.82	1483840.98	90.07	90.30

UNIVERSAL ENGINEERING SCIENCES
3532 Maggie Boulevard
Orlando, Florida 32811 • (407) 423-0504
Fax No. (407) 423-3106

FACSIMILE TRANSMISSION INFORMATION COVER SHEET

Date: 6/28/07

Reference: NTC Orlando hydrometer tests

No. of Pages (including this cover sheet): 7

SEND TO

Company: CH2M Hill

To The Attention Of: Bethany Garvey

Facsimile Phone Number: 1-678-579-8176

From: Nancy - Lab

REMARKS:

Project:

Job Number:

Manager: NANCY

Client:

Project Description:

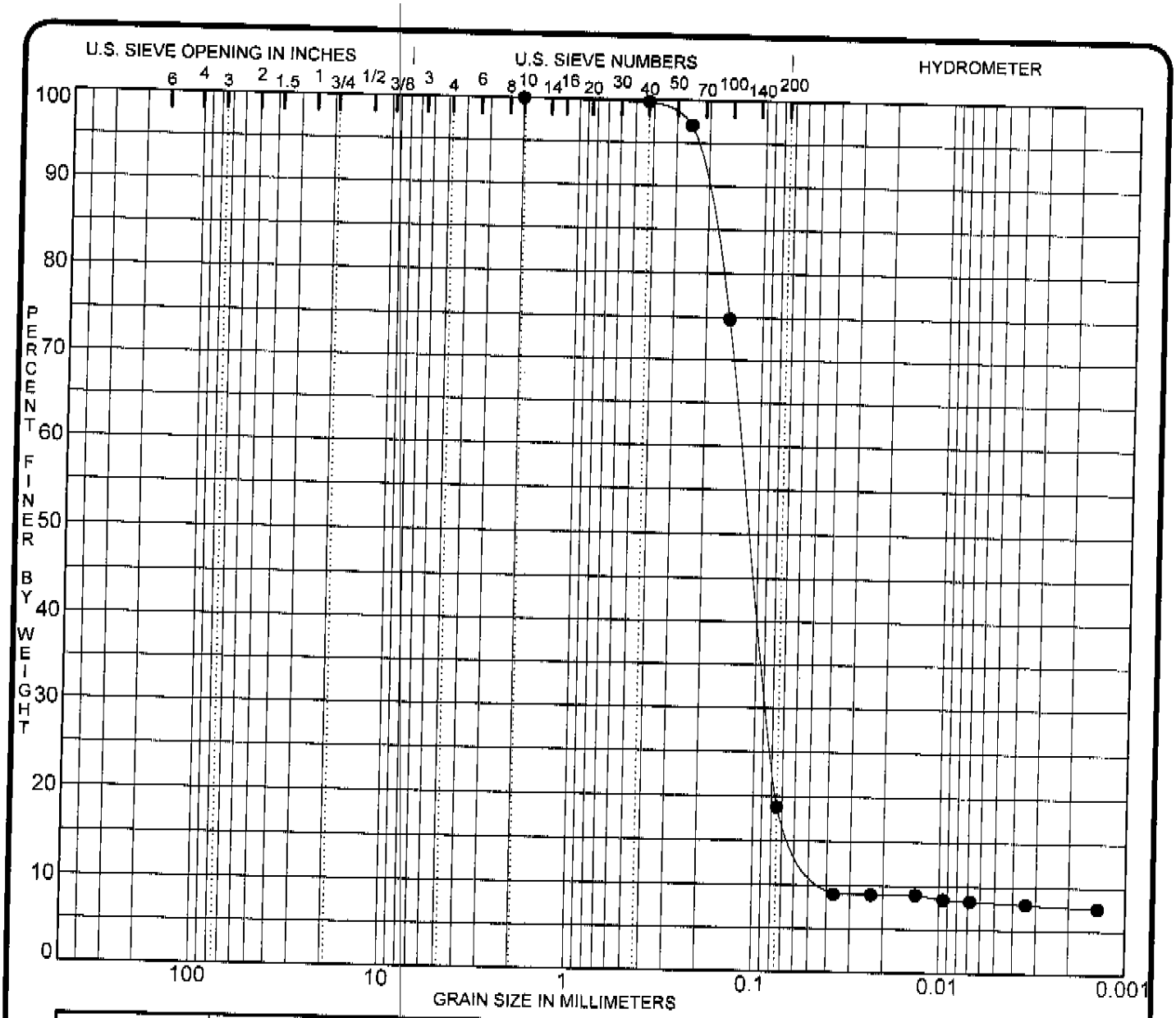
Location: NTC ORLANDO

FLORIDA

Elevation Datum:

Borehole Depth / Elev.	Specimen Description LL	PL	PI	No 200	Water Content	Organic Content	ASTM Class	K ft/day	Sieve Analysis No 4	No 10	No 40	No 60	No 100
1 / 1.0				18.8	0.3					100.0	99.8	97.1	74.8
2 / 1.0				23.3	0.4				100.0	100.0	98.7	93.3	57.4
3 / 1.0				20.6	0.3					100.0	99.9	98.9	87.2
4 / 1.0				19.6	0.4					100.0	98.9	93.9	58.7

Universal Engineering Sciences	Summary of Material Properties	Space for logo (!fXXXX)



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen Identification		Classification	MC%	LL	PL	PI	Cc	Cu
● 1	1.0		0				1.51	3.2
OLD-OU2-MW-48B 33-38 ft bgs								

Specimen Identification		D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● 1	1.0	2.00	0.12	0.086	0.0395	0.0	81.2	10.6	8.2

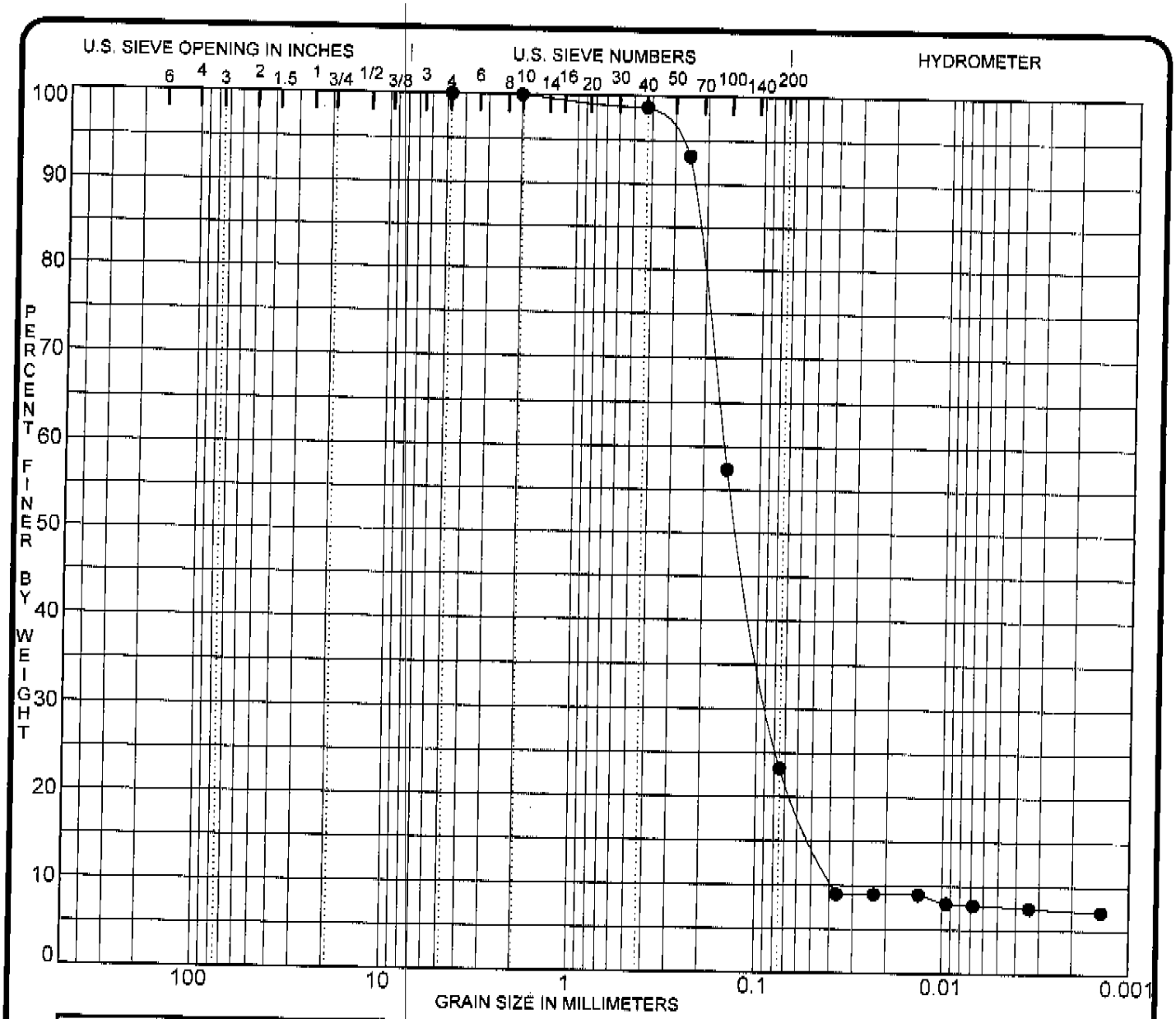
PROJECT - NTC ORLANDO

JOB NO.

DATE 6/28/07

GRADATION CURVES

Universal Engineering Sciences



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Specimen Identification		Classification	MC%	LL	PL	PI	Cc	Cu
●	2	1.0		0				1.23	4.0
	OLD-OU2-IW-1 30-35 ft bgs								

	Specimen Identification		D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	2	1.0	4.75	0.16	0.086	0.0386	0.0	76.7	15.6	7.7

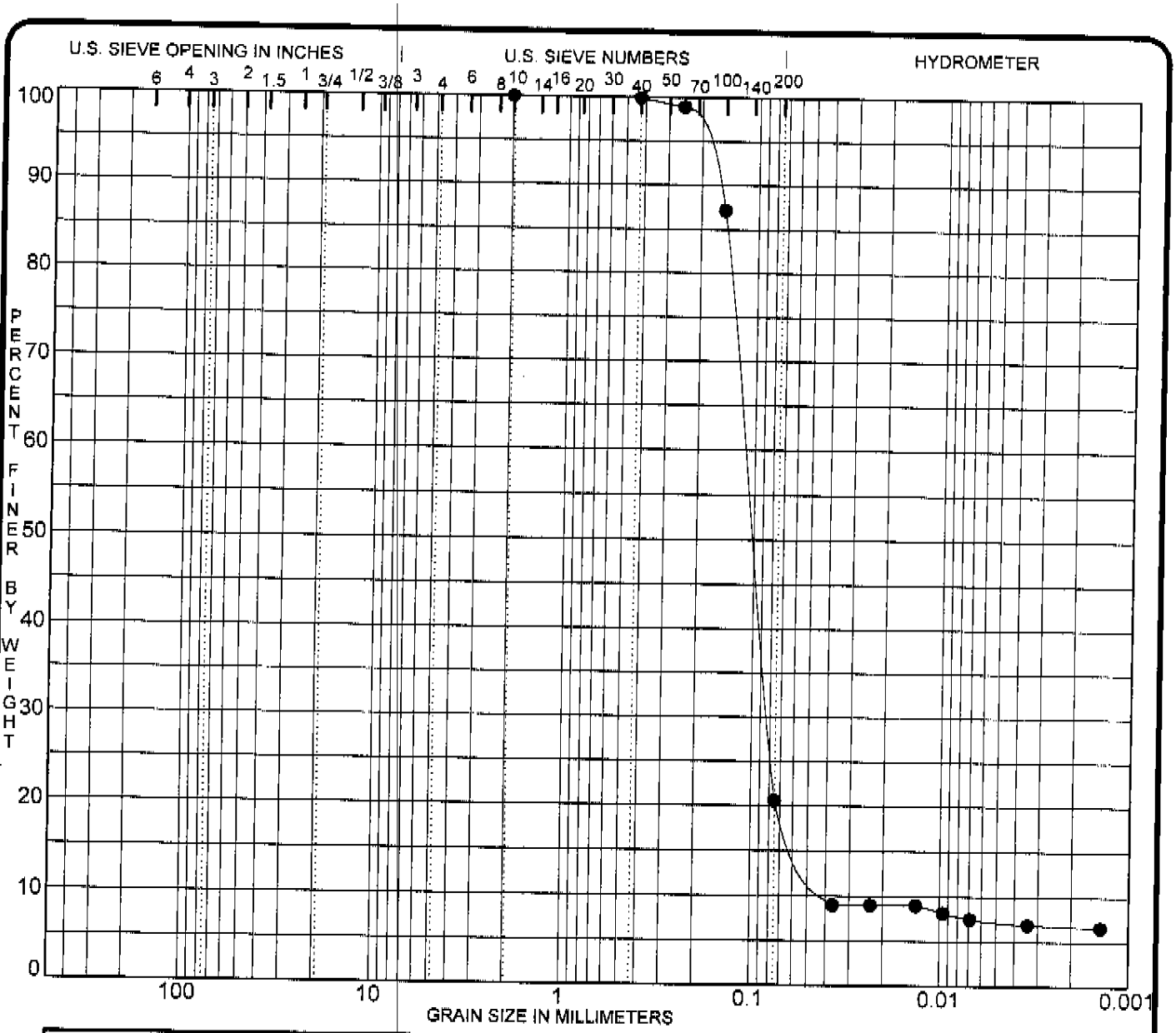
PROJECT - NTC ORLANDO

JOB NO.

DATE 6/28/07

GRADATION CURVES

Universal Engineering Sciences



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen Identification		Classification	MC%	LL	PL	PI	Cc	Cu
● 3	1.0		0				1.55	2.9
OLD-OU2-IW-2B 33-38 ft bgs								

Specimen Identification		D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● 3	1.0	2.00	0.11	0.083	0.0390	0.0	79.4	13.3	7.2

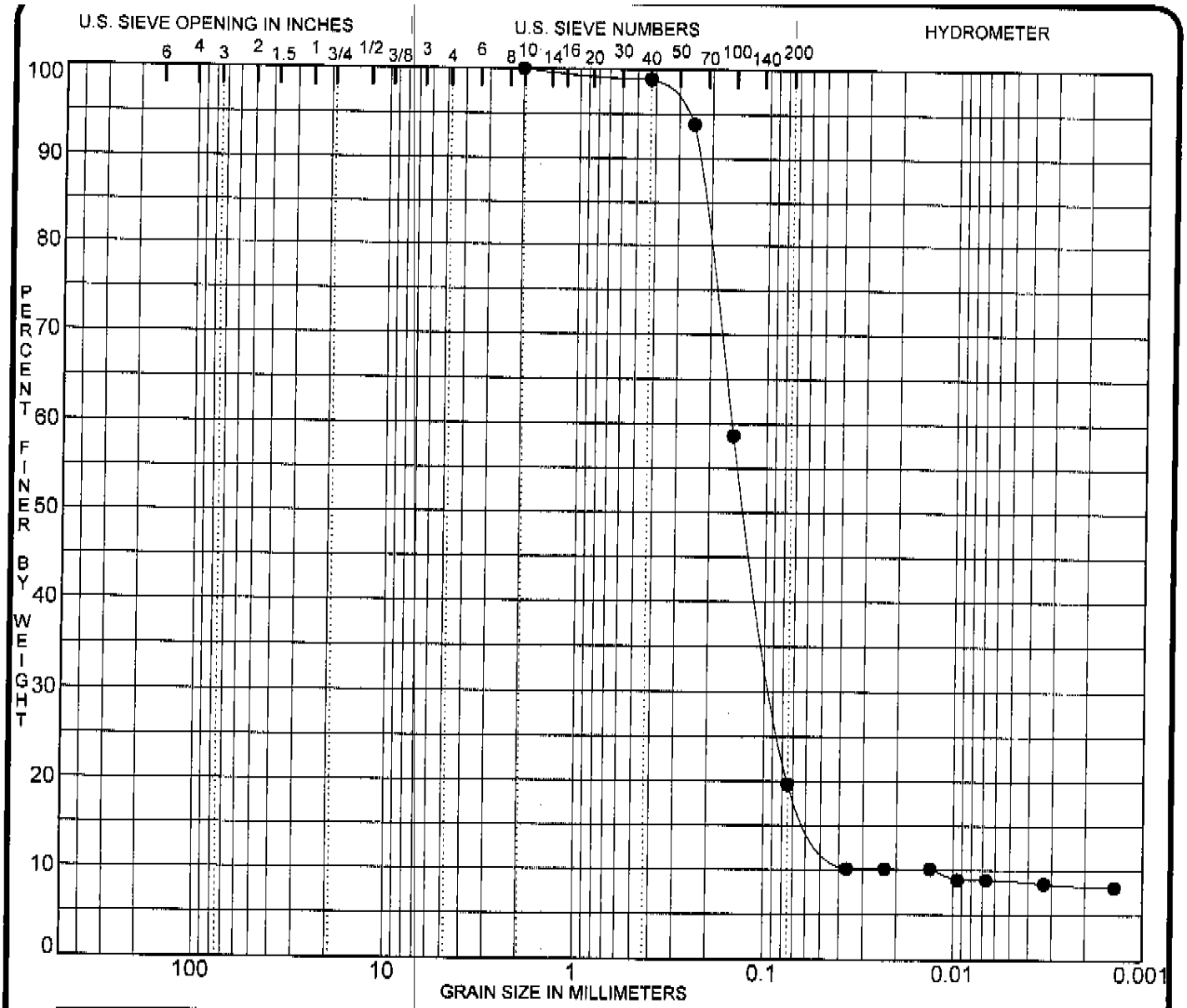
PROJECT - NTC ORLANDO

JOB NO.

DATE 6/28/07

GRADATION CURVES

Universal Engineering Sciences



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen Identification		Classification	MC%	LL	PL	PI	Cc	Cu
● 4	1.0		0				4.11	11.8
OLD-OU2-47B 33-38 ft bgs								

Specimen Identification		D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● 4	1.0	2.00	0.15	0.090	0.0129	0.0	80.4	10.9	8.7

PROJECT - NTC ORLANDO

JOB NO.

DATE 6/28/07

GRADATION CURVES

Universal Engineering Sciences

ATTACHMENT B

Laboratory Reports and Chain of Custody Records for Soil and Groundwater Sampling

- Baseline sampling results (June 2007)
- Microbial Insights results (June and August 2007)
- Post-Injection results (August 2007)
- Groundwater TOC results (July and November 2007)
- Soil TOC results (June and August 2007)

PEL Laboratories, Inc.

Customer Name:	CH2M Hill
Date and Time Received:	6/7/2007 10:10:00 AM
Date Reported:	6/25/2007
Laboratory Submission Number/SDG:	2506941
Project:	NTC Orlando / TO-5

Samples: The submission consisted of 6 samples with sample identification shown in the attached data tables.

Tests: The samples were analyzed for the methods listed on the attached table of contents.

Results: See the attached data tables for results.

Distribution of Report to:

CH2M Hill
Attn: Kama White
Phone: W 770-604-9182
F 770-604-9282

Respectfully Submitted,

Brian Spann
Laboratory Manager
PEL Laboratories, Inc.

Note: Submitted material will be retained for 30 days unless otherwise requested by client or consumed in analysis. PEL letters and reports are f the exclusive use of the client to whom they are addressed. Our Letters and reports apply to the sample tested and are not necessarily indicative o the qualities of apparently identical or similar materials

4420 Pendola Point Road • Tampa, Florida 33619
(813)247-2805 • FAX: (813)248-1537
Website: www.pelab.com

Organics 3
METHOD 8260 GC/ MS VOLATILE ORGANICS 6
Sample Data 11
QC Summary 20
Standards Data 30
METHOD FL-PRO GC FL- PRO ORGANICS 39
Sample Data 46
QC Summary 49
Standards Data 59

Inorganics..... 70
METALS DATA PACKAGE TOTALS 73
Sample Data 77
QC Summary 80
WET CHEMISTRY DATA PACKAGE TOTALS..... 105
Sample Data 115
QC Summary 121

Chain of Custody Documentation..... 146

Addendum 153

Appendix 162
Raw Data Method 8260 ..... AO-1
Raw Data Method FL PRO AO-188
Raw Data Inorganics/Metals..... AI-1
Raw Data Inorganics/Wet Chemistry.....AI-132

EXECUTIVE SUMMARY - Detection Highlights

2506941

SAMPLE ID: TO05FD01BL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Alkalinity (Total)	38000	1500	UG/L	E310.1
TOC	31500	1100	UG/L	E415.1

SAMPLE ID: TO05MW43ABL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Residue, Filterable (TDS	89000	30000	UG/L	E160.1
Alkalinity (Total)	8040	1500	UG/L	E310.1
TOC	17800	1100	UG/L	E415.1
Sodium	598	540	UG/L	SW6010B
Chlorobenzene	2.6	1	UG/L	SW8260B
Chloroform	0.36 J	1	UG/L	SW8260B
Trichloroethene	3	1.2	UG/L	SW8260B
TPH	390	362	UG/L	FL-PRO

SAMPLE ID: TO05MW43BBL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Residue, Filterable (TDS	80000	30000	UG/L	E160.1
Alkalinity (Total)	14000	1500	UG/L	E310.1
TOC	30000	1100	UG/L	E415.1
Sodium	8790	540	UG/L	SW6010B
cis-1,2-Dichloroethene	155	5.1	UG/L	SW8260B
Tetrachloroethene	40.6	8.6	UG/L	SW8260B
Vinyl chloride	46.7	6.9	UG/L	SW8260B
TPH	120 J	364	UG/L	FL-PRO

SAMPLE ID: TO05MW43BBLDL1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Trichloroethene	3400	117	UG/L	SW8260B

250607 1418

EXECUTIVE SUMMARY - Detection Highlights

2506941

SAMPLE ID: TO05MW47ABL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Alkalinity (Total)	14300	1500	UG/L	E310.1
TOC	18800	1100	UG/L	E415.1

SAMPLE ID: TO05MW47BBL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Alkalinity (Total)	42400	1500	UG/L	E310.1
TOC	30600	1100	UG/L	E415.1

250607 1418

Organics

250607 1418

Organic Data Qualifiers

U Indicates the analyte was analyzed for but not detected. The number adjacent to the "U" qualifier indicates the reporting limit for that analyte. The reporting limit can vary from sample to sample depending on dilution factors or the percent moisture adjustment when indicated.

J Indicates estimated value. It is used when the data indicates the presence of an analyte above the method detection limit (MDL) yet lower than the reporting limit.

B Indicates the analyte was found in the associated blank as well as in the sample. The notation indicates possible contamination of the sample.

E Indicates the value reported is above the highest calibration standard for that analyte. The sample should be analyzed at an appropriate dilution. "E" qualified values are estimations and the diluted result may be reported on another Form 1.

D Indicates the analyte has been identified in a dilution reanalysis. "D" qualifiers are used for samples that have been analyzed at a lesser dilution than required for accurate quantitation.

C The "C" qualifier indicates the presence of this analyte has been confirmed by GC/MS analysis.

P This qualifier is used for pesticide / Aroclor target analytes where there is greater than 25% difference for the detected concentration between the two GC columns.

N This qualifier indicates presumptive evidence of an analyte. This qualifier is only used for tentatively identified compounds (TIC), where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the "N" qualifier is not used.

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

X Data flagged as rejected by analyst utilizing analytical judgement.

250607 1418

Organic Sample ID Qualifiers

The qualifiers that may be appended to the lab sample ID and/or the client sample ID for organic analysis are defined below:

DL Diluted reanalysis. Indicates that the results of the original analysis of the sample contained compounds that exceeded the calibration range. The sample was diluted and reanalyzed. May be followed by a digit to indicate multiple dilutions of the sample. The results of more than one diluted reanalysis may be reported.

R Reanalysis. The extract was reanalyzed without re-extraction. The "R" is not used if the sample was also re-extracted. May be followed by a digit to indicate multiple reanalysis of the sample at the same dilution.

RE Re-extracted. The extract was reanalyzed with re-extraction. May be followed by a digit to indicate multiple re-extraction of the same sample at the same dilution.

MS Matrix spike (may be followed by a digit to indicate multiple matrix within a sample set).

SD Matrix spike duplicate (may be followed by a digit to indicate multiple matrix spike duplicate within a sample set).

GC/MS VOLATILE ORGANICS

METHOD 8260

250607 1418

CASE NARRATIVE
GC/MS VOLATILE ORGANICS

PEL Lab Reference No./SDG: 2506941

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

EPA 8260B/SW846

IV. PREPARATION

Water samples were prepared by SW846/5030 for EPA8260B volatiles analysis. All aspects of sample preparation proceeded without exception.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met with the exception of the following:

061407CCVA32 did not meet the 20%D criteria for Dichlorodifluoromethane. This analyte had a 24.8%D.

PEL does not analyze a low calibration standard at the requested RL for all analytes. The low calibration standard is 1 UG/L for Bromodichloromethane.

B. Blanks:

All acceptance criteria were met.

C. Surrogates:

All acceptance criteria were met.

D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met.

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.

CASE NARRATIVE
GC/MS VOLATILE ORGANICS

PEL Lab Reference No./SDG: 2506941

Client: CH2M Hill

E. Internal Standards:

All acceptance criteria were met.

F. Samples:

Sample analysis proceeded normally. Client specified reporting limits were used.

All samples were screened prior to GC/MS analysis.

Sample TO05MW43BBL required a 1:5 and a 1:100 dilution due to a high concentration of Trichloroethene. This sample could not be analyzed full due to the high TCE present. Both diluted runs are reported.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

SIGNED: **DATE: 06/19/2007**

W:\Narratives\Vols\2506\2506941_8260.doc

CASE NARRATIVE
GC/MS VOLATILE ORGANICS

PEL Lab Reference No./SDG: 2506941

Client: CH2M Hill

MANUAL INTEGRATION SUMMARY

The following analytes were manually integrated by the chemist.

Sample: 061407LCSA32 Analyte: 4-Methyl-2-pentanone Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV520845 Analyte: 4-Methyl-2-pentanone Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD513002 Analyte: 4-Methyl-2-pentanone Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD513003 Analyte: 4-Methyl-2-pentanone Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD513017 Analyte: 4-Methyl-2-pentanone Reason: Baseline integration, needs re-enforced due to interference on target peak

These manual integrations have been reviewed and meet all criteria in accordance with PEL's SOP regarding manual integration.

CHEMIST: **DATE: 06/19/2007**

SECTION LEADER: **DATE: 06/19/2007**

W:\Narratives\Vols\2506\2506941_8260.doc

VOLATILE ORGANIC CROSS REFERENCE TABLE

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Method: 8260

EPA Sample No	Lab Sample ID
TO05MW43ABL	250694101
TO05MW43BBL	250694102
TO05MW43BBLDL1	250694102DL1
TO05TB1BL	250694106

250607 1418

Sample Data

250607 1418

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW43ABL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: WATER Lab Sample ID: 250694101 Lab File ID: 94101.D

Sample wt/vol: 5 Units: ML Date Received: 06/07/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/14/07 Time: 1424

PercentSolids: 0 decanted : (Dilution Factor: 1

Extraction: PURGETRAP Station ID: OLD-OU2-43A Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	1.7	U
74-87-3	Chloromethane	1.5	U
75-01-4	Vinyl chloride	1.4	U
74-83-9	Bromomethane	1.5	U
75-00-3	Chloroethane	2.8	U
75-69-4	Trichlorofluoromethane	1.5	U
75-35-4	1,1-Dichloroethene	1.1	U
75-15-0	Carbon disulfide	1.1	U
75-09-2	Methylene chloride	1.4	U
156-60-5	trans-1,2-Dichloroethene	1.2	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	18	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	2.2	U
78-93-3	2-Butanone	6.6	U
67-66-3	Chloroform	0.36	J
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1.5	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1.3	U
79-01-6	Trichloroethene	3	
78-87-5	1,2-Dichloropropane	1.6	U
75-27-4	Bromodichloromethane	0.44	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW43ABL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: WATER Lab Sample ID: 250694101 Lab File ID: 94101.D

Sample wt/vol: 5 Units: ML Date Received: 06/07/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/14/07 Time: 1424

PercentSolids: 0 decanted : (Dilution Factor: 1

Extraction: PURGETRAP Station ID: OLD-OU2-43A Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
79-00-5	1,1,2-Trichloroethane	1.7	U
127-18-4	Tetrachloroethene	1.7	U
591-78-6	2-Hexanone	5.1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	2.6	
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1.5	U
75-25-2	Bromoform	1.9	U
98-82-8	Isopropylbenzene (Cumene)	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	2.4	U
120-82-1	1,2,4-Trichlorobenzene	1.5	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1330-20-7	Xylene (total)	3	U
1634-04-4	MTBE	1.2	U
76-13-1	1,1,2-Trichlorotrifluoroethane	2.4	U
108-87-2	Methyl Cyclohexane	1.9	U
79-20-9	Methyl Acetate	7.2	U
110-82-7	Cyclohexane	1	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW43BBL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: WATER Lab Sample ID: 250694102 Lab File ID: 94102.D

Sample wt/vol: 5 Units: ML Date Received: 06/07/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/14/07 Time: 1534

PercentSolids: 0 decanted : (Dilution Factor: 5

Extraction: PURGETRAP Station ID: OLD-OU2-43B Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	8.4	U
74-87-3	Chloromethane	7.4	U
75-01-4	Vinyl chloride	46.7	
74-83-9	Bromomethane	7.4	U
75-00-3	Chloroethane	14.2	U
75-69-4	Trichlorofluoromethane	7.4	U
75-35-4	1,1-Dichloroethene	5.6	U
75-15-0	Carbon disulfide	5.7	U
75-09-2	Methylene chloride	6.8	U
156-60-5	trans-1,2-Dichloroethene	5.8	U
75-34-3	1,1-Dichloroethane	5	U
67-64-1	Acetone	90	U
156-59-2	cis-1,2-Dichloroethene	155	
74-97-5	Bromochloromethane	11.1	U
78-93-3	2-Butanone	33	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	7.6	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	6.6	U
79-01-6	Trichloroethene	3930	E
78-87-5	1,2-Dichloropropane	8	U
75-27-4	Bromodichloromethane	2.2	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	25	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5.8	U

250607 1418

Form I

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW43BBL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: WATER Lab Sample ID: 250694102 Lab File ID: 94102.D

Sample wt/vol: 5 Units: ML Date Received: 06/07/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/14/07 Time: 1534

PercentSolids: 0 decanted : (Dilution Factor: 5

Extraction: PURGETRAP Station ID: OLD-OU2-43B Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
79-00-5	1,1,2-Trichloroethane	8.6	U
127-18-4	Tetrachloroethene	40.6	
591-78-6	2-Hexanone	25.5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane(EDB)	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	7.5	U
75-25-2	Bromoform	9.3	U
98-82-8	Isopropylbenzene (Cumene)	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5.6	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5.7	U
96-12-8	1,2-Dibromo-3-chloropropane	11.8	U
120-82-1	1,2,4-Trichlorobenzene	7.6	U
87-61-6	1,2,3-Trichlorobenzene	5	U
1330-20-7	Xylene (total)	15	U
1634-04-4	MTBE	6	U
76-13-1	1,1,2-Trichlorotrifluoroethane	11.8	U
108-87-2	Methyl Cyclohexane	9.6	U
79-20-9	Methyl Acetate	36	U
110-82-7	Cyclohexane	5	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW43BBLDL1

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: WATER Lab Sample ID: 250694102DL1 Lab File ID: 94102D.D

Sample wt/vol: 5 Units: ML Date Received: 06/07/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/14/07 Time: 1511

PercentSolids: 0 decanted : (Dilution Factor: 100

Extraction: PURGETRAP Station ID: OLD-OU2-43B Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	168	U
74-87-3	Chloromethane	147	U
75-01-4	Vinyl chloride	138	U
74-83-9	Bromomethane	147	U
75-00-3	Chloroethane	285	U
75-69-4	Trichlorofluoromethane	147	U
75-35-4	1,1-Dichloroethene	111	U
75-15-0	Carbon disulfide	114	U
75-09-2	Methylene chloride	135	U
156-60-5	trans-1,2-Dichloroethene	117	U
75-34-3	1,1-Dichloroethane	100	U
67-64-1	Acetone	1800	U
156-59-2	cis-1,2-Dichloroethene	122	
74-97-5	Bromochloromethane	222	U
78-93-3	2-Butanone	660	U
67-66-3	Chloroform	100	U
71-55-6	1,1,1-Trichloroethane	100	U
56-23-5	Carbon tetrachloride	153	U
71-43-2	Benzene	100	U
107-06-2	1,2-Dichloroethane	132	U
79-01-6	Trichloroethene	3400	
78-87-5	1,2-Dichloropropane	159	U
75-27-4	Bromodichloromethane	44	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-10-1	4-Methyl-2-pentanone	500	U
108-88-3	Toluene	100	U
10061-02-6	trans-1,3-Dichloropropene	117	U

250607 1418

Form I

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW43BBLDL1

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: WATER Lab Sample ID: 250694102DL1 Lab File ID: 94102D.D

Sample wt/vol: 5 Units: ML Date Received: 06/07/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/14/07 Time: 1511

PercentSolids: 0 decanted : (Dilution Factor: 100

Extraction: PURGETRAP Station ID: OLD-OU2-43B Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
79-00-5	1,1,2-Trichloroethane	171	U
127-18-4	Tetrachloroethene	171	U
591-78-6	2-Hexanone	510	U
124-48-1	Dibromochloromethane	100	U
106-93-4	1,2-Dibromoethane(EDB)	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	100	U
100-42-5	Styrene	150	U
75-25-2	Bromoform	186	U
98-82-8	Isopropylbenzene (Cumene)	100	U
79-34-5	1,1,2,2-Tetrachloroethane	111	U
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
95-50-1	1,2-Dichlorobenzene	114	U
96-12-8	1,2-Dibromo-3-chloropropane	237	U
120-82-1	1,2,4-Trichlorobenzene	153	U
87-61-6	1,2,3-Trichlorobenzene	100	U
1330-20-7	Xylene (total)	300	U
1634-04-4	MTBE	120	U
76-13-1	1,1,2-Trichlorotrifluoroethane	237	U
108-87-2	Methyl Cyclohexane	192	U
79-20-9	Methyl Acetate	720	U
110-82-7	Cyclohexane	100	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05TB1BL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: WATER Lab Sample ID: 250694106 Lab File ID: 94106.D

Sample wt/vol: 5 Units: ML Date Received: 06/07/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/14/07 Time: 1448

PercentSolids: 0 decanted : (Dilution Factor: 1

Extraction: PURGETRAP Station ID: Trip Blank Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	1.7	U
74-87-3	Chloromethane	1.5	U
75-01-4	Vinyl chloride	1.4	U
74-83-9	Bromomethane	1.5	U
75-00-3	Chloroethane	2.8	U
75-69-4	Trichlorofluoromethane	1.5	U
75-35-4	1,1-Dichloroethene	1.1	U
75-15-0	Carbon disulfide	1.1	U
75-09-2	Methylene chloride	1.4	U
156-60-5	trans-1,2-Dichloroethene	1.2	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	18	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	2.2	U
78-93-3	2-Butanone	6.6	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1.5	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1.3	U
79-01-6	Trichloroethene	1.2	U
78-87-5	1,2-Dichloropropane	1.6	U
75-27-4	Bromodichloromethane	0.44	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05TB1BL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: WATER Lab Sample ID: 250694106 Lab File ID: 94106.D

Sample wt/vol: 5 Units: ML Date Received: 06/07/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/14/07 Time: 1448

PercentSolids: 0 decanted : (Dilution Factor: 1

Extraction: PURGETRAP Station ID: Trip Blank Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
79-00-5	1,1,2-Trichloroethane	1.7	U
127-18-4	Tetrachloroethene	1.7	U
591-78-6	2-Hexanone	5.1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1.5	U
75-25-2	Bromoform	1.9	U
98-82-8	Isopropylbenzene (Cumene)	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	2.4	U
120-82-1	1,2,4-Trichlorobenzene	1.5	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1330-20-7	Xylene (total)	3	U
1634-04-4	MTBE	1.2	U
76-13-1	1,1,2-Trichlorotrifluoroethane	2.4	U
108-87-2	Methyl Cyclohexane	1.9	U
79-20-9	Methyl Acetate	7.2	U
110-82-7	Cyclohexane	1	U

QC Summary

250607 1418

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

061407BLKA32

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: WATER Lab Sample ID: 061407BLKA32 Lab File ID: BLK32.D

Sample wt/vol: 5 Units: ML Date Received: 06/14/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/14/07 Time: 0835

PercentSolids: 0 decanted : (Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	1.7	U
74-87-3	Chloromethane	1.5	U
75-01-4	Vinyl chloride	1.4	U
74-83-9	Bromomethane	1.5	U
75-00-3	Chloroethane	2.8	U
75-69-4	Trichlorofluoromethane	1.5	U
75-35-4	1,1-Dichloroethene	1.1	U
75-15-0	Carbon disulfide	1.1	U
75-09-2	Methylene chloride	1.4	U
156-60-5	trans-1,2-Dichloroethene	1.2	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	18	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	2.2	U
78-93-3	2-Butanone	6.6	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1.5	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1.3	U
79-01-6	Trichloroethene	1.2	U
78-87-5	1,2-Dichloropropane	1.6	U
75-27-4	Bromodichloromethane	0.44	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U

250607 1418

Form I

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

061407BLKA32

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: WATER Lab Sample ID: 061407BLKA32 Lab File ID: BLK32.D

Sample wt/vol: 5 Units: ML Date Received: 06/14/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/14/07 Time: 0835

PercentSolids: 0 decanted : (Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
79-00-5	1,1,2-Trichloroethane	1.7	U
127-18-4	Tetrachloroethene	1.7	U
591-78-6	2-Hexanone	5.1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1.5	U
75-25-2	Bromoform	1.9	U
98-82-8	Isopropylbenzene (Cumene)	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	2.4	U
120-82-1	1,2,4-Trichlorobenzene	1.5	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1330-20-7	Xylene (total)	3	U
1634-04-4	MTBE	1.2	U
76-13-1	1,1,2-Trichlorotrifluoroethane	2.4	U
108-87-2	Methyl Cyclohexane	1.9	U
79-20-9	Methyl Acetate	7.2	U
110-82-7	Cyclohexane	1	U

250607 1418

Form I

4

VOLATILE ORGANIC METHOD BLANK SUMMARY

EPA Sample No.

061407BLKA32

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Lab File ID: BLK32.D Lab Sample ID: 061407BLKA32

Instrument ID: VMS03 Date Extracted:

Matrix: WATER Date Analyzed: 06/14/07

Level:(low/med) LOW Time Analyzed: 0835

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	061407LCSA32	061407LCSA32	LCS32.D	06/14/07	0701
2	TO05MW43ABL	250694101	94101.D	06/14/07	1424
3	TO05TB1BL	250694106	94106.D	06/14/07	1448
4	TO05MW43BBLDL1	250694102DL1	94102D.D	06/14/07	1511
5	TO05MW43BBL	250694102	94102.D	06/14/07	1534

COMMENTS:

Page 1 of 1

250607 1418

Form IV

2A

WATER VOLATILE ORGANIC SURROGATE RECOVERY

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG NO.: 2506941

Column(1): DB-624 ID: 0.18 (mm)

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
061407BLKA32	97.2	103.0	102.0	100.0			0
061407LCSA32	100.0	104.0	98.2	98.4			0
TO05MW43ABL	102.0	104.0	105.0	103.0			0
TO05MW43BBL	97.8	101.0	104.0	99.6			0
TO05MW43BBLDL1	99.0	101.0	104.0	101.0			0
TO05TB1BL	100.0	104.0	104.0	100.0			0

Control Limits

S1	=	Dibromofluoromethane	86 -	118
S2	=	Toluene d8	88 -	110
S3	=	4-Bromofluorobenzene	86 -	115
S4	=	1,2-Dichloroethane-d4	80 -	120

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out
Control limit source: (lab/method) METHOD

Form II

250607 1419

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

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Lab File ID: BFB31.D BFB Injection Date: 05/22/07

Instrument ID: VMS03 BFB Injection Time: 0514

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of mass 95	18.8	
75	30.0 - 60.0% of mass 95	47.3	
95	Base Peak, 100% relative abundance	100	
96	5.0 - 9.0% of mass 95	5.6	
173	Less than 2.0% of mass 174	0	(0)1
174	50.0 - 100.0% of mass 95	75.2	
175	5.0 - 9.0% of mass 174	6.1	(8.2)1
176	Greater than 95.0%, but less than 101.0% of mass 174	74.4	(98.8)1
177	5.0 - 9.0% of mass 176	5	(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
1	STD513003	1PPBCAL	1PPB.D	05/22/07	0622
2	STD513014	2PPBCAL	2PPB.D	05/22/07	0645
3	STD513016	5PPBCAL	5PPB.D	05/22/07	0708
4	STD513002	10PPBCAL	10PPB.D	05/22/07	0731
5	STD513004	20PPBCAL	20PPB.D	05/22/07	0754
6	STD513015	50PPBCAL	50PPB.D	05/22/07	0817
7	STD513017	60PPBCAL	60PPB.D	05/22/07	0840
8	STD513018	80PPBCAL	80PPB.D	05/22/07	0903
9	SSC513019	SEC32	SEC32.D	05/22/07	1006

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

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Lab File ID: BFB31.D BFB Injection Date: 06/14/07

Instrument ID: VMS03 BFB Injection Time: 0511

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of mass 95	19.8	
75	30.0 - 60.0% of mass 95	48.7	
95	Base Peak, 100% relative abundance	100	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.8	(1.2)1
174	50.0 - 100.0% of mass 95	72.7	
175	5.0 - 9.0% of mass 174	5.8	(7.9)1
176	Greater than 95.0%, but less than 101.0% of mass 174	70.8	(97.4)1
177	5.0 - 9.0% of mass 176	4.8	(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
1	CCV520845	061407CCVA32	T50CCV32.D	06/14/07	0620
2	061407LCSA32	061407LCSA32	LCS32.D	06/14/07	0701
3	061407BLKA32	061407BLKA32	BLK32.D	06/14/07	0835
4	TO05MW43ABL	250694101	94101.D	06/14/07	1424
5	TO05TB1BL	250694106	94106.D	06/14/07	1448
6	TO05MW43BBLDL1	250694102DL1	94102D.D	06/14/07	1511
7	TO05MW43BBL	250694102	94102.D	06/14/07	1534

8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Lab File ID (Standard): 50PPB.D Date Analyzed: 5/22/2007

Instrument ID: VMS03 Time Analyzed: 8:17

GC Column: DB-624 ID: 0.18 (mm)

Matrix: (soil/water) W Heated Purge: (Y/N) No

		IS1 AREA	#	RT	IS2 AREA	#	RT	IS3 AREA	#	RT
	MID CAL STD	712434		10.73	411829		13.15	989333		7.43
	UPPER LIMIT	1424868		11.23	823658		13.65	1978666		7.93
	LOWER LIMIT	356217		10.23	205914.5		12.65	494666.5		6.93
	EPA SAMPLE NO.									
1	061407LCSA32	871695		10.72	477941		13.14	1162489		7.43
2	061407BLKA32	876649		10.73	455001		13.14	1222020		7.43
3	TO05MW43ABL	883447		10.73	451677		13.14	1190591		7.43
4	TO05TB1BL	866401		10.73	432332		13.15	1197662		7.43
5	TO05MW43BBLDL1	861032		10.73	423730		13.15	1200437		7.43
6	TO05MW43BBL	878300		10.73	445218		13.14	1227083		7.43

IS1 = Chlorobenzene d5

IS2 = 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

250607 1419

FORM VIII

3

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

061407LCSA32

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	20	14	70.0		20.0	57 - 136
Chloromethane	20	18.5	92.5		20.0	70 - 130
Vinyl chloride	20	17.2	86.0		20.0	70 - 130
Bromomethane	20	19.1	95.5		20.0	70 - 130
Chloroethane	20	20.3	102.0		20.0	70 - 130
Trichlorofluoromethane	20	16.8	84.0		20.0	70 - 130
1,1-Dichloroethene	20	23	115.0		20.0	70 - 130
Carbon disulfide	20	20	100.0		20.0	70 - 130
Methylene chloride	20	22.8	114.0		20.0	70 - 130
trans-1,2-Dichloroethene	20	22.7	114.0		20.0	70 - 130
1,1-Dichloroethane	20	23.4	117.0		20.0	70 - 130
Acetone	60	60.6	101.0		20.0	70 - 130
cis-1,2-Dichloroethene	20	23.1	116.0		20.0	70 - 130
Bromochloromethane	20	23.5	118.0		20.0	70 - 130
2-Butanone	60	62	103.0		20.0	70 - 130
Chloroform	20	21.5	108.0		20.0	70 - 130
1,1,1-Trichloroethane	20	21.7	108.0		20.0	70 - 130
Carbon tetrachloride	20	23.7	118.0		20.0	70 - 130
Benzene	20	23.1	116.0		20.0	70 - 130
1,2-Dichloroethane	20	20.5	102.0		20.0	70 - 130
Trichloroethene	20	22.1	110.0		20.0	70 - 130
1,2-Dichloropropane	20	22.2	111.0		20.0	70 - 130
Bromodichloromethane	20	22.4	112.0		20.0	70 - 130
cis-1,3-Dichloropropene	20	23.6	118.0		20.0	70 - 130
4-Methyl-2-pentanone	60	61	102.0		20.0	70 - 130
Toluene	20	22.4	112.0		20.0	70 - 130
trans-1,3-Dichloropropene	20	23.4	117.0		20.0	70 - 130
1,1,2-Trichloroethane	20	21.7	108.0		20.0	70 - 130
Tetrachloroethene	20	20.6	103.0		20.0	70 - 130
2-Hexanone	60	58.8	98.0		20.0	70 - 130
Dibromochloromethane	20	22.3	112.0		20.0	70 - 130
1,2-Dibromoethane(EDB)	20	20.8	104.0		20.0	70 - 130

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

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Form III

3

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

061407LCSA32

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Chlorobenzene	20	21.1	106.0		20.0	70 - 130
Ethylbenzene	20	21.3	106.0		20.0	70 - 130
Styrene	20	20.2	101.0		20.0	70 - 130
Bromoform	20	21.8	109.0		20.0	70 - 130
Isopropylbenzene (Cumene)	20	21.6	108.0		20.0	70 - 130
1,1,2,2-Tetrachloroethane	20	21.1	106.0		20.0	70 - 130
1,3-Dichlorobenzene	20	21.3	106.0		20.0	70 - 130
1,4-Dichlorobenzene	20	20.7	104.0		20.0	70 - 130
1,2-Dichlorobenzene	20	21.4	107.0		20.0	70 - 130
1,2-Dibromo-3-chloropropane	20	19.7	98.5		20.0	70 - 130
1,2,4-Trichlorobenzene	20	19.3	96.5		20.0	70 - 130
1,2,3-Trichlorobenzene	20	18.6	93.0		20.0	70 - 130
Xylene (total)	60	62.8	105.0		20.0	70 - 130
MTBE	20	20.9	104.0		20.0	70 - 130
1,1,2-Trichlorotrifluoroethane	20	18.6	93.0		20.0	70 - 130
Methyl Cyclohexane	20	24.5	122.0		20.0	70 - 130
Methyl Acetate	20	21.8	109.0		20.0	56 - 131
Cyclohexane	20	22.7	114.0		20.0	70 - 130

Spike Recovery: 0 out of 50 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

250607 1419

Form III

Standards Data

250607 1419

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Instrument ID: VMS03 Calibration Date Begin: 05/22/07 End: 05/22/07

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 622 End: 903

Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF1 =1PPB.D RRF2 =2PPB.D
RRF5 =5PPB.D RRF10 =10PPB.D RRF20 =20PPB.D

COMPOUND		RRF1	RRF2	RRF5	RRF10	RRF20	$\overline{RRF}$	%RSD OR R^2	
Dichlorodifluoromethane		0.317	0.354	0.381	0.336	0.346			
Chloromethane	#	0.459	0.362	0.431	0.399	0.406			#
Vinyl chloride	*	0.350	0.332	0.318	0.289	0.285			*
Bromomethane		0.193	0.196	0.193	0.182	0.192			
Chloroethane		0.243	0.224	0.230	0.194	0.210			
Trichlorofluoromethane		0.433	0.504	0.522	0.505	0.484			
1,1-Dichloroethene	*	0.467	0.496	0.487	0.491	0.479			*
Carbon disulfide		0.887	0.816	0.927	0.840	0.851			
Methylene chloride		0.474	0.436	0.441	0.468	0.435			
trans-1,2-Dichloroethene		0.424	0.420	0.438	0.436	0.422			
1,1-Dichloroethane	#	0.511	0.529	0.529	0.533	0.515			#
Acetone			0.165	0.151	0.138	0.147			
cis-1,2-Dichloroethene		0.276	0.285	0.309	0.291	0.291			
Bromochloromethane		0.288	0.293	0.264	0.284	0.277			
2-Butanone		0.175	0.181	0.165	0.164	0.180			
Chloroform	*	0.551	0.553	0.560	0.539	0.540			*
1,1,1-Trichloroethane		0.431	0.446	0.431	0.410	0.419			
Carbon tetrachloride		0.318	0.278	0.286	0.290	0.283			
Benzene		1.145	1.065	1.103	1.099	1.047			
1,2-Dichloroethane		0.540	0.493	0.501	0.525	0.506			
Trichloroethene		0.280	0.279	0.291	0.286	0.277			
1,2-Dichloropropane	*	0.332	0.303	0.317	0.305	0.302			*
Bromodichloromethane		0.408	0.388	0.384	0.396	0.415			
cis-1,3-Dichloropropene		0.415	0.441	0.464	0.478	0.476			
4-Methyl-2-pentanone		0.850	0.793	1.081	0.930	0.926			
Toluene	*	0.699	0.705	0.727	0.722	0.719			*
trans-1,3-Dichloropropene		0.381	0.387	0.404	0.428	0.444			
1,1,2-Trichloroethane		0.265	0.262	0.274	0.282	0.282			
Tetrachloroethene		0.366	0.314	0.328	0.317	0.302			
2-Hexanone		0.316	0.341	0.389	0.360	0.373			
Dibromochloromethane		0.333	0.360	0.350	0.376	0.396			
1,2-Dibromoethane(EDB)		0.367	0.341	0.396	0.394	0.411			
Chlorobenzene	#	1.108	1.130	1.140	1.113	1.088			#
Ethylbenzene	*	0.611	0.574	0.576	0.556	0.566			*

250607 1419

FORM VI

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Instrument ID: VMS03 Calibration Date Begin: 05/22/07 End: 05/22/07

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 622 End: 903

Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF1 =1PPB.D RRF2 =2PPB.D
RRF5 =5PPB.D RRF10 =10PPB.D RRF20 =20PPB.D

COMPOUND	RRF1	RRF2	RRF5	RRF10	RRF20	$\overline{RRF}$	%RSD OR R^2
p,m-Xylene	0.740	0.751	0.787	0.749	0.722		
o-Xylene	1.700	1.799	1.776	1.766	1.726		
Styrene	1.099	1.196	1.204	1.228	1.249		
Bromoform #	0.225	0.222	0.236	0.254	0.269		#
Isopropylbenzene (Cumene)	3.346	3.354	3.445	3.417	3.365		
1,1,2,2-Tetrachloroethane #	0.839	0.959	0.903	0.954	0.944		#
1,3-Dichlorobenzene	1.463	1.651	1.595	1.641	1.618		
1,4-Dichlorobenzene	1.658	1.665	1.620	1.649	1.623		
1,2-Dichlorobenzene	1.617	1.551	1.525	1.616	1.623		
1,2-Dibromo-3-chloropropane	0.142	0.168	0.136	0.154	0.182		
1,2,4-Trichlorobenzene	0.872	0.798	0.801	0.917	0.922		
1,2,3-Trichlorobenzene	0.802	0.737	0.742	0.805	0.862		
MTBE	0.839	0.794	0.913	0.901	0.886		
1,1,2-Trichlorotrifluoroethane	0.213	0.262	0.314	0.277	0.300		
Methyl Cyclohexane	0.338	0.366	0.379	0.388	0.365		
Methyl Acetate	0.322	0.281	0.272	0.299	0.286		
Cyclohexane	0.516	0.498	0.511	0.517	0.506		
==========							
Dibromofluoromethane(SURR)		0.327	0.269	0.247	0.265		
Toluene d8(SURR)		1.190	0.993	0.926	1.012		
4-Bromofluorobenzene(SURR)		1.300	1.106	0.979	1.071		
1,2-Dichloroethane-d4(SURR)		0.062	0.071	0.053	0.058		

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Instrument ID: VMS03 Calibration Date Begin: 05/22/07 End: 05/22/07

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 622 End: 903

Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF50 =50PPB.D RRF60 =60PPB.D
RRF80 =80PPB.D

COMPOUND		RRF50	RRF60	RRF80			$\overline{RRF}$	%RSD OR R^2	
Dichlorodifluoromethane		0.360	0.371	0.366			0.35386	5.9	
Chloromethane	#	0.338	0.398	0.382			0.39662	9.5	#
Vinyl chloride	*	0.258	0.272	0.255			0.29464	0.99876	*
Bromomethane		0.176	0.201	0.194			0.1909	4.2	
Chloroethane		0.186	0.209	0.200			0.21208	9.1	
Trichlorofluoromethane		0.489	0.514	0.505			0.49443	5.6	
1,1-Dichloroethene	*	0.450	0.514	0.506			0.48637	4.3	*
Carbon disulfide		0.808	0.909	0.892			0.86622	5.1	
Methylene chloride		0.421	0.459	0.452			0.44824	4	
trans-1,2-Dichloroethene		0.435	0.434	0.431			0.42999	1.7	
1,1-Dichloroethane	#	0.538	0.543	0.536			0.52909	2.1	#
Acetone		0.128	0.139	0.136			0.14346	0.99804	
cis-1,2-Dichloroethene		0.290	0.299	0.294			0.29205	3.3	
Bromochloromethane		0.275	0.272	0.270			0.278	3.5	
2-Butanone		0.161	0.170	0.169			0.17062	4.3	
Chloroform	*	0.549	0.541	0.544			0.54708	1.3	*
1,1,1-Trichloroethane		0.432	0.449	0.437			0.43191	3	
Carbon tetrachloride		0.308	0.329	0.322			0.30175	6.5	
Benzene		1.062	1.097	1.100			1.08973	2.8	
1,2-Dichloroethane		0.496	0.519	0.513			0.51158	3.1	
Trichloroethene		0.290	0.300	0.298			0.28746	3	
1,2-Dichloropropane	*	0.297	0.311	0.303			0.30888	3.7	*
Bromodichloromethane		0.407	0.426	0.423			0.40584	3.8	
cis-1,3-Dichloropropene		0.485	0.507	0.518			0.47288	7.1	
4-Methyl-2-pentanone		0.888	0.901	0.851			0.90247	9.4	
Toluene	*	0.696	0.720	0.726			0.71439	1.7	*
trans-1,3-Dichloropropene		0.454	0.489	0.490			0.43483	9.8	
1,1,2-Trichloroethane		0.268	0.288	0.280			0.27524	3.4	
Tetrachloroethene		0.301	0.322	0.321			0.32109	6.3	
2-Hexanone		0.367	0.366	0.367			0.35986	6.1	
Dibromochloromethane		0.406	0.435	0.427			0.38522	9.5	
1,2-Dibromoethane(EDB)		0.397	0.424	0.419			0.39351	7	
Chlorobenzene	#	1.085	1.143	1.129			1.11709	2	#
Ethylbenzene	*	0.560	0.592	0.594			0.57878	3.3	*

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FORM VI

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Instrument ID: VMS03 Calibration Date Begin: 05/22/07 End: 05/22/07

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 622 End: 903

Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF50 =50PPB.D RRF60 =60PPB.D
RRF80 =80PPB.D

COMPOUND	RRF50	RRF60	RRF80			$\overline{RRF}$	%RSD OR R^2
p,m-Xylene	0.730	0.763	0.773			0.75191	2.9
o-Xylene	1.711	1.830	1.811			1.76488	2.7
Styrene	1.253	1.305	1.310			1.23055	5.5
Bromoform #	0.281	0.303	0.310			0.26264	0.9995 #
Isopropylbenzene (Cumene)	3.253	3.431	3.394			3.37582	1.8
1,1,2,2-Tetrachloroethane #	0.854	0.891	0.876			0.9026	5.1 #
1,3-Dichlorobenzene	1.546	1.650	1.620			1.5981	4
1,4-Dichlorobenzene	1.532	1.618	1.617			1.62272	2.5
1,2-Dichlorobenzene	1.518	1.605	1.573			1.57836	2.7
1,2-Dibromo-3-chloropropane	0.181	0.194	0.195			0.16907	13.5
1,2,4-Trichlorobenzene	0.890	0.975	0.954			0.89115	7.3
1,2,3-Trichlorobenzene	0.782	0.845	0.840			0.80189	5.8
MTBE	0.935	0.900	0.905			0.88418	5.2
1,1,2-Trichlorotrifluoroethane	0.277	0.310	0.308			0.28255	12
Methyl Cyclohexane	0.372	0.398	0.398			0.37552	5.4
Methyl Acetate	0.279	0.302	0.297			0.29226	5.5
Cyclohexane	0.508	0.550	0.536			0.51771	3.3
==========							
Dibromofluoromethane(SURR)	0.267	0.261	0.255			0.27018	9.8
Toluene d8(SURR)	0.999	1.004	1.002			1.01791	8
4-Bromofluorobenzene(SURR)	1.023	1.035	1.028			1.07764	9.8
1,2-Dichloroethane-d4(SURR)	0.060	0.058	0.060			0.0603	9

250607 1419

FORM VI

7SSC

VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Instrument ID: VMS03 CalibrationDate: 05/22/07 Time: 1006

CCV ID: SSC513019 Lab File ID: SEC32.D Init. Calib. Date Begin: 05/22/07 End: 05/22/07

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND		Expected	Found	%D / %Drift	Curve Type	
Dichlorodifluoromethane		0.35386	0.33066	6.6	AVRG	
Chloromethane	#	0.39662	0.38471	3.0	AVRG	#
Vinyl chloride	*	50	49.2	1.6	2ORD	*
Bromomethane		0.1909	0.19189	0.5	AVRG	
Chloroethane		0.21208	0.20519	3.2	AVRG	
Trichlorofluoromethane		0.49443	0.49224	0.4	AVRG	
1,1-Dichloroethene	*	0.48637	0.51675	6.2	AVRG	*
Carbon disulfide		0.86622	0.88995	2.7	AVRG	
Methylene chloride		0.44824	0.45469	1.4	AVRG	
trans-1,2-Dichloroethene		0.42999	0.44022	2.4	AVRG	
1,1-Dichloroethane	#	0.52909	0.55696	5.3	AVRG	#
Acetone		80	70.4	12.0	2ORD	
cis-1,2-Dichloroethene		0.29205	0.30275	3.7	AVRG	
Bromochloromethane		0.278	0.27309	1.8	AVRG	
2-Butanone		0.17062	0.15791	7.4	AVRG	
Chloroform	*	0.54708	0.55237	1.0	AVRG	*
1,1,1-Trichloroethane		0.43191	0.45107	4.4	AVRG	
Carbon tetrachloride		0.30175	0.31617	4.8	AVRG	
Benzene		1.08973	1.128	3.5	AVRG	
1,2-Dichloroethane		0.51158	0.51024	0.3	AVRG	
Trichloroethene		0.28746	0.29207	1.6	AVRG	
1,2-Dichloropropane	*	0.30888	0.3106	0.6	AVRG	*
Bromodichloromethane		0.40584	0.42847	5.6	AVRG	
cis-1,3-Dichloropropene		0.47288	0.52037	10.0	AVRG	
4-Methyl-2-pentanone		0.90247	0.87936	2.6	AVRG	
Toluene	*	0.71439	0.74185	3.8	AVRG	*
trans-1,3-Dichloropropene		0.43483	0.48468	11.5	AVRG	
1,1,2-Trichloroethane		0.27524	0.28497	3.5	AVRG	
Tetrachloroethene		0.32109	0.31938	0.5	AVRG	
2-Hexanone		0.35986	0.35866	0.3	AVRG	
Dibromochloromethane		0.38522	0.42533	10.4	AVRG	
1,2-Dibromoethane(EDB)		0.39351	0.41575	5.7	AVRG	
Chlorobenzene	#	1.11709	1.177	5.4	AVRG	#
Ethylbenzene	*	0.57878	0.61069	5.5	AVRG	*
p,m-Xylene		0.75191	0.79193	5.3	AVRG	
o-Xylene		1.76488	1.88	6.5	AVRG	

250607 1419

FORM VII

7SSC

VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Instrument ID: VMS03 CalibrationDate: 05/22/07 Time: 1006

CCV ID: SSC513019 Lab File ID: SEC32.D Init. Calib. Date Begin: 05/22/07 End: 05/22/07

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
Styrene	1.23055	1.306	6.1	AVRG
Bromoform #	50	50.5	1.0	2ORD #
Isopropylbenzene (Cumene)	3.37582	3.605	6.8	AVRG
1,1,2,2-Tetrachloroethane #	0.9026	0.97697	8.2	AVRG #
1,3-Dichlorobenzene	1.5981	1.694	6.0	AVRG
1,4-Dichlorobenzene	1.62272	1.678	3.4	AVRG
1,2-Dichlorobenzene	1.57836	1.616	2.4	AVRG
1,2-Dibromo-3-chloropropane	0.16907	0.19486	15.3	AVRG
1,2,4-Trichlorobenzene	0.89115	0.92562	3.9	AVRG
1,2,3-Trichlorobenzene	0.80189	0.80737	0.7	AVRG
MTBE	0.88418	0.93019	5.2	AVRG
1,1,2-Trichlorotrifluoroethane	0.28255	0.30349	7.4	AVRG
Methyl Cyclohexane	0.37552	0.40157	6.9	AVRG
Methyl Acetate	0.29226	0.2649	9.4	AVRG
Cyclohexane	0.51771	0.54622	5.5	AVRG
==========				
Dibromofluoromethane(SURR)	0.27018	0.25627	5.1	AVRG
Toluene d8(SURR)	1.01791	0.99283	2.5	AVRG
4-Bromofluorobenzene(SURR)	1.07764	1.069	0.8	AVRG
1,2-Dichloroethane-d4(SURR)	0.0603	0.05686	5.7	AVRG

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FORM VII

VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Instrument ID: VMS03 CalibrationDate: 06/14/07 Time: 0620

CCV ID: CCV520845 Lab File ID: T50CCV32.D Init. Calib. Date Begin: 05/22/07 End: 05/22/07

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND		Expected	Found	%D / %Drift	Curve Type	
Dichlorodifluoromethane		0.35386	0.26607	24.8	AVRG	<-
Chloromethane	#	0.39662	0.37044	6.6	AVRG #	
Vinyl chloride	*	50	44.8	10.4	2ORD *	
Bromomethane		0.1909	0.19428	1.8	AVRG	
Chloroethane		0.21208	0.21269	0.3	AVRG	
Trichlorofluoromethane		0.49443	0.43304	12.4	AVRG	
1,1-Dichloroethene	*	0.48637	0.5116	5.2	AVRG *	
Carbon disulfide		0.86622	0.83582	3.5	AVRG	
Methylene chloride		0.44824	0.48662	8.6	AVRG	
trans-1,2-Dichloroethene		0.42999	0.44045	2.4	AVRG	
1,1-Dichloroethane	#	0.52909	0.56349	6.5	AVRG #	
Acetone		100	107	7.0	2ORD	
cis-1,2-Dichloroethene		0.29205	0.2999	2.7	AVRG	
Bromochloromethane		0.278	0.29163	4.9	AVRG	
2-Butanone		0.17062	0.18623	9.1	AVRG	
Chloroform	*	0.54708	0.52285	4.4	AVRG *	
1,1,1-Trichloroethane		0.43191	0.43232	0.1	AVRG	
Carbon tetrachloride		0.30175	0.3473	15.1	AVRG	
Benzene		1.08973	1.118	2.6	AVRG	
1,2-Dichloroethane		0.51158	0.48006	6.2	AVRG	
Trichloroethene		0.28746	0.28672	0.3	AVRG	
1,2-Dichloropropane	*	0.30888	0.31935	3.4	AVRG *	
Bromodichloromethane		0.40584	0.4279	5.4	AVRG	
cis-1,3-Dichloropropene		0.47288	0.5369	13.5	AVRG	
4-Methyl-2-pentanone		0.90247	0.98286	8.9	AVRG	
Toluene	*	0.71439	0.72764	1.9	AVRG *	
trans-1,3-Dichloropropene		0.43483	0.4866	11.9	AVRG	
1,1,2-Trichloroethane		0.27524	0.27391	0.5	AVRG	
Tetrachloroethene		0.32109	0.31787	1.0	AVRG	
2-Hexanone		0.35986	0.38185	6.1	AVRG	
Dibromochloromethane		0.38522	0.42117	9.3	AVRG	
1,2-Dibromoethane(EDB)		0.39351	0.38969	1.0	AVRG	
Chlorobenzene	#	1.11709	1.103	1.3	AVRG #	
Ethylbenzene	*	0.57878	0.58358	0.8	AVRG *	
p,m-Xylene		0.75191	0.73948	1.7	AVRG	
o-Xylene		1.76488	1.703	3.5	AVRG	

250607 1419

FORM VII

7

VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Instrument ID: VMS03 CalibrationDate: 06/14/07 Time: 0620

CCV ID: CCV520845 Lab File ID: T50CCV32.D Init. Calib. Date Begin: 05/22/07 End: 05/22/07

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
Styrene	1.23055	1.229	0.1	AVRG
Bromoform #	50	51.8	3.6	2ORD #
Isopropylbenzene (Cumene)	3.37582	3.337	1.1	AVRG
1,1,2,2-Tetrachloroethane #	0.9026	0.87446	3.1	AVRG #
1,3-Dichlorobenzene	1.5981	1.604	0.4	AVRG
1,4-Dichlorobenzene	1.62272	1.588	2.1	AVRG
1,2-Dichlorobenzene	1.57836	1.558	1.3	AVRG
1,2-Dibromo-3-chloropropane	0.16907	0.17093	1.1	AVRG
1,2,4-Trichlorobenzene	0.89115	0.90187	1.2	AVRG
1,2,3-Trichlorobenzene	0.80189	0.77566	3.3	AVRG
MTBE	0.88418	0.87347	1.2	AVRG
1,1,2-Trichlorotrifluoroethane	0.28255	0.29285	3.6	AVRG
Methyl Cyclohexane	0.37552	0.41888	11.5	AVRG
Methyl Acetate	0.29226	0.2778	4.9	AVRG
Cyclohexane	0.51771	0.54997	6.2	AVRG
==========				
Dibromofluoromethane(SURR)	0.27018	0.26529	1.8	AVRG
Toluene d8(SURR)	1.01791	1.058	3.9	AVRG
4-Bromofluorobenzene(SURR)	1.07764	1.043	3.2	AVRG
1,2-Dichloroethane-d4(SURR)	0.0603	0.0627	4.0	AVRG

Average Used: 4.8

250607 1419

FORM VII

GC FL-PRO ORGANICS

METHOD FL-PRO

250607 1419

CASE NARRATIVE
FLORIDA PETROLEUM RANGE ORGANICS (FL PRO) SEMIVOLATILE ORGANICS

PEL Lab Reference No./SDG: 2506941

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

Florida DEP/FL PRO

IV. PREPARATION

Water samples were prepared by SW846 EPA 3510 for FL PRO semi-volatile analysis.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

All acceptance criteria were met.

C. Surrogates:

All acceptance criteria were met.

D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.

E. Internal Standards:

This method does not require the use of internal standards.

F. Samples:

Sample analysis proceeded normally.

CASE NARRATIVE
FLORIDA PETROLEUM RANGE ORGANICS (FL PRO) SEMIVOLATILE ORGANICS

PEL Lab Reference No./SDG: 2506941

Client: CH2M Hill

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

SIGNED: **DATE: 06/19/2007**

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PEL Lab Reference No./SDG: 2506941

Client: CH2M Hill

MANUAL INTEGRATION SUMMARY

The following analytes were manually integrated by the chemist.

Sample: 3020LCS Analyte: C39 Surrogate Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: 3020LCS Analyte: o-Terphenyl Surrogate Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: 3020LCS Analyte: TPH Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: 3020MB Analyte: C39 Surrogate Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: 3020MB Analyte: o-Terphenyl Surrogate Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: 3020MB Analyte: TPH Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: TO05MW43ABL Analyte: C39 Surrogate Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: TO05MW43ABL Analyte: o-Terphenyl Surrogate Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: TO05MW43ABL Analyte: TPH Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: TO05MW43BBL Analyte: C39 Surrogate Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: TO05MW43BBL Analyte: o-Terphenyl Surrogate Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: TO05MW43BBL Analyte: TPH Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV521078 Analyte: C39 Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV521078 Analyte: o-Terphenyl Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV521078 Analyte: TPH Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV521429 Analyte: C39 Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV521429 Analyte: o-Terphenyl Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV521429 Analyte: TPH Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV521431 Analyte: C39 Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change

PEL Lab Reference No./SDG: 2506941

Client: CH2M Hill

Calibration Sample: CCV521431 Analyte: o-Terphenyl Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV521431 Analyte: TPH Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV521432 Analyte: C39 Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV521432 Analyte: o-Terphenyl Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV521432 Analyte: TPH Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519630 Analyte: C39 Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519630 Analyte: o-Terphenyl Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519630 Analyte: TPH Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519631 Analyte: C39 Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519631 Analyte: o-Terphenyl Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519631 Analyte: TPH Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519632 Analyte: C39 Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519632 Analyte: o-Terphenyl Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519632 Analyte: TPH Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519633 Analyte: C39 Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519633 Analyte: o-Terphenyl Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519633 Analyte: TPH Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519634 Analyte: C39 Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519634 Analyte: o-Terphenyl Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519634 Analyte: TPH Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519635 Analyte: C39 Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change

CASE NARRATIVE
FLORIDA PETROLEUM RANGE ORGANICS (FL PRO) SEMIVOLATILE ORGANICS

PEL Lab Reference No./SDG: 2506941

Client: CH2M Hill

Calibration Sample: STD519635 Analyte: o-Terphenyl Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519635 Analyte: TPH Reason: Range method-surrogates were not properly identified denoting a manual change

These manual integrations have been reviewed and meet all criteria in accordance with PEL's SOP regarding manual integration.

CHEMIST: **DATE: 06/19/2007**

SECTION LEADER: **DATE: 06/19/2007**

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FL-PRO ORGANIC CROSS REFERENCE TABLE

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Method: FL-PRO

EPA Sample No	Lab Sample ID
TO05MW43ABL	250694101
TO05MW43BBL	250694102

250607 1419

Sample Data

250607 1419

1

FL-PRO ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW43ABL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: WATER Lab Sample ID: 250694101 Lab File ID: 941-1.D

Sample wt/vol: 940 Units: ML Date Received: 06/07/07

Concentrated Extract Volume: 2 Date Extracted: 06/11/07

Level:(low/med) LOW Date Analyzed: 06/16/07 Time: 0924

PercentSolids: 0 decanted : (Dilution Factor: 1

Extraction: SEPF Station ID: OLD-OU2-43A Method: FL-PRO

GPC Cleanup : (Y/N) N pH:

Column(1): RTX-5 ID: 0.53 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
5289290-40-0	TPH	390	

250607 1419

Form I

1

FL-PRO ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW43BBL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: WATER Lab Sample ID: 250694102 Lab File ID: 941-2.D

Sample wt/vol: 935 Units: ML Date Received: 06/07/07

Concentrated Extract Volume: 2 Date Extracted: 06/11/07

Level:(low/med) LOW Date Analyzed: 06/16/07 Time: 0959

PercentSolids: 0 decanted : (Dilution Factor: 1

Extraction: SEPF Station ID: OLD-OU2-43B Method: FL-PRO

GPC Cleanup : (Y/N) N pH:

Column(1): RTX-5 ID: 0.53 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
5289290-40-0	TPH	120	J

250607 1419

Form I

QC Summary

250607 1419

1

FL-PRO ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

3020MB

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: WATER Lab Sample ID: 243616 Lab File ID: 3020MB.D

Sample wt/vol: 1000 Units: ML Date Received: 06/11/07

Concentrated Extract Volume: 2 Date Extracted: 06/11/07

Level:(low/med) LOW Date Analyzed: 06/15/07 Time: 1316

PercentSolids: 0 decanted : (Dilution Factor: 1

Extraction: SEPF Station ID: Method: FL-PRO

GPC Cleanup : (Y/N) N pH:

Column(1): RTX-5 ID: 0.53 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
5289290-40-0	TPH	340	U

250607 1419

Form I

FL-PRO ORGANIC METHOD BLANK SUMMARY

EPA Sample No.: 3020MB

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Lab File ID: 3020MB.D Lab Sample ID: 243616

Instrument ID: SFID01 Date Extracted: 06/11/07

Matrix: WATER Date Analyzed: 06/15/07

Level:(low/med) LOW Time Analyzed: 1316

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	3020LCS	243617	3020LCS.D	06/15/07	1352
2	TO05MW43ABL	250694101	941-1.D	06/16/07	0924
3	TO05MW43BBL	250694102	941-2.D	06/16/07	0959

COMMENTS:

Page 1 of 1

250607 1419

Form IV

2A

WATER FL-PRO ORGANIC SURROGATE RECOVERY

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG NO.: 2506941

Column(1): RTX-5 ID: 0.53 (mm)

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
3020LCS	88.0	73.3					0
3020MB	82.0	64.7					0
TO05MW43ABL	83.0	62.5					0
TO05MW43BBL	85.0	62.5					0

Control Limits

S1 = o-Terphenyl Surrogate 82 - 142

S2 = C39 Surrogate 42 - 193

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

Control limit source: (lab/method) METHOD

Form II

250607 1419

FL-PRO ORGANIC ANALYTICAL SEQUENCE

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date: 06/11/07

Instrument ID: SFID01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 8.41 S2 : 14.17

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
1	STD519635	19017	PROCAL61.D	06/11/07	1840	8.41	14.21
2	STD519634	19018	PROCAL5.D	06/11/07	1951	8.41	14.19
3	STD519633	19021	PROCAL4.D	06/11/07	2027	8.41	14.18
4	STD519632	19022	PROCAL3.D	06/11/07	2103	8.41	14.17
5	STD519631	19023	PROCAL2.D	06/11/07	2138	8.41	14.17
6	STD519630	19024	PROCAL11.D	06/11/07	2214	8.41	14.17
7	SSC519640	19025	PROSECC2.D	06/12/07	0001	8.4	14.16
8	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/15/07	0922		
9	CCV521078	19025	PROCCV1.D	06/15/07	1009	8.41	14.22
10	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/15/07	1054		
11	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/15/07	1129		
12	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/15/07	1205		
13	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/15/07	1241		
14	3020MB	243616	3020MB.D	06/15/07	1316	8.4	14.18
15	3020LCS	243617	3020LCS.D	06/15/07	1352	8.4	14.17
16	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/15/07	1428		
17	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/15/07	1503		
18	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/15/07	1539		
19	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/15/07	1615		
20	CCV521429	19331	PROCCV2.D	06/15/07	1651	8.4	14.16
21	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/15/07	1726		
22	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/15/07	1802		
23	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/15/07	1838		
24	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/15/07	1913		
25	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/15/07	1949		
26	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/15/07	2024		

			QC LIMITS
S1	=	o-Terphenyl Surrogate	(+/- 0.2 MINUTES)
S2	=	C39 Surrogate	(+/- 0.46 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits

FL-PRO ORGANIC ANALYTICAL SEQUENCE

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date: 06/11/07

Instrument ID: SFID01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 8.41 S2 : 14.17

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT	#	S2 RT	#
27	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/15/07	2100				
28	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/15/07	2135				
29	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/15/07	2211				
30	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/15/07	2246				
31	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/15/07	2322				
32	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/15/07	2357				
33	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	0033				
34	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	0108				
35	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	0143				
36	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	0219				
37	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	0254				
38	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	0330				
39	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	0405				
40	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	0440				
41	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	0516				
42	CCV521431	19331	PROCCV4.D	06/16/07	0551	8.4		14.18	
43	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	0627				
44	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	0702				
45	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	0737				
46	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	0813				
47	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	0848				
48	TO05MW43ABL	250694101	941-1.D	06/16/07	0924	8.4		14.18	
49	TO05MW43BBL	250694102	941-2.D	06/16/07	0959	8.4		14.18	
50	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	1034				
51	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	1109				
52	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	1145				

			QC LIMITS
S1	=	o-Terphenyl Surrogate	(+/- 0.2 MINUTES)
S2	=	C39 Surrogate	(+/- 0.46 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits

FL-PRO ORGANIC ANALYTICAL SEQUENCE

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date: 06/11/07

Instrument ID: SFID01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 8.41 S2 : 14.17

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
53	CCV521432	19331	PROCCV5.D	06/16/07	1220	8.4	14.18
54	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	1256		
55	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	1331		
56	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	1407		
57	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	1442		
58	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	1518		
59	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	1553		
60	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	1629		
61	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	1704		
62	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	1740		
63	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	1815		
64	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	1851		
65	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	1926		
66	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	2002		
67	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	2037		
68	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	2112		
69	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	2148		
70	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	2223		
71	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	2258		
72	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	2334		
73	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	0009		
74	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	0045		
75	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	0120		
76	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	0155		
77	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	0231		
78	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	0306		

			QC LIMITS
S1	=	o-Terphenyl Surrogate	(+/- 0.2 MINUTES)
S2	=	C39 Surrogate	(+/- 0.46 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits

250607 1419 FORM VIII

FL-PRO ORGANIC ANALYTICAL SEQUENCE

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date: 06/11/07

Instrument ID: SFID01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 8.41 S2 : 14.17

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
79	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	0341		
80	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	0417		
81	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	0452		
82	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	0528		
83	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	0603		
84	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	0638		
85	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	0714		
86	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	0749		
87	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	0824		
88	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	0900		
89	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	0935		
90	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	1011		
91	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	1046		
92	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	1122		
93	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	1157		
94	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	1233		
95	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	1308		
96	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	1344		
97	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	1419		
98	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	1455		
99	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	1530		
100	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	1606		
101	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	1641		
102	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	1717		
103	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	1752		
104	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	1828		

QC LIMITS

S1 = o-Terphenyl Surrogate (+/- 0.2 MINUTES)
S2 = C39 Surrogate (+/- 0.46 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits

FL-PRO ORGANIC ANALYTICAL SEQUENCE

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date: 06/11/07

Instrument ID: SFID01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 8.41 S2 : 14.17

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT	#	S2 RT	#
105	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	1903				
106	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	1939				
107	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	2014				
108	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	2049				

			QC LIMITS
S1	=	o-Terphenyl Surrogate	(+/- 0.2 MINUTES)
S2	=	C39 Surrogate	(+/- 0.46 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits

3

FL-PRO ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

3020LCS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
TPH	3400	2600	76.5		20.0	55 - 118

Spike Recovery: 0 out of 1 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

250607 1419

Form III

Standards Data

250607 1419

FL-PRO ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Instrument ID: SFID01 Calibration Date Begin: 06/11/07 End: 06/11/07

GC Column: RTX-5 ID: 0.53 (mm) Calibration Time Begin: 1840 End: 2214

LAB FILE ID: RRF0.102 =PROCAL11.D RRF0.85 =PROCAL2.D
RRF1.7 =PROCAL3.D RRF2.55 =PROCAL4.D RRF5.1 =PROCAL5.D

COMPOUND	RRF0.102	RRF0.85	RRF1.7	RRF2.55	RRF5.1
TPH	71698058.824	38169985.882	41502712.353	42280037.255	42774626.863
==========					
C39 Surrogate(SURR)	37948150	37522283.333	28919950	37612916.667	37448216.667
o-Terphenyl Surrogate(SURR)	42743710	42193040	32693850	41655370	32530420

250607 1419

FORM VI

FL-PRO ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Instrument ID: SFID01 Calibration Date Begin: 06/11/07 End: 06/11/07

GC Column: RTX-5 ID: 0.53 (mm) Calibration Time Begin: 1840 End: 2214

LAB FILE ID:	RRF6.8 =PROCAL61.D				
COMPOUND	RRF6.8				
TPH	39535981.029				
==========					
C39 Surrogate(SURR)	34867783.333				
o-Terphenyl Surrogate(SURR)	32892200				

250607 1419

FORM VI

FL-PRO ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Instrument ID: SFID01 Calibration Date Begin: 06/11/07 End: 06/11/07

GC Column: RTX-5 ID: 0.53 (mm) Calibration Time Begin: 1840 End: 2214

COMPOUND	CURVE	COEFFICIENTS AO	A1	%RSD OR R^2
TPH	LINR	-0.0583465	2.475045E-08	0.99658
==========				
C39 Surrogate(SURR)	AVRG		35719883.3	9.8
o-Terphenyl Surrogate(SURR)	AVRG		37451431.7	13.9

6

FL-PRO ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Instrument ID: SFID01 Calibration Date Begin: 06/11/07 End: 06/11/07

GC Column: RTX-5 ID: 0.53 (mm) Calibration Time Begin: 1840 End: 2214

Min RRF for SPCC(#) = 0 Max %RSD for CCC(*) = 0 %

LAB FILE ID: RT1: PROCAL11.D RT2: PROCAL2.D
RT3: PROCAL3.D RT4: PROCAL4.D RT5: PROCAL5.D

COMPOUND	RT1	RT2	RT3	RT4	RT5	MIDCAL RT	RT WINDOW FROM	RT WINDOW TO
TPH	7.950	7.950	7.950	7.950	7.950			
==========								
C39 Surrogate(SURR)	14.167	14.170	14.170	14.177	14.193			
o-Terphenyl Surrogate(SURR)	8.407	8.407	8.407	8.407	8.407			

250607 1419

FORM VI

6

FL-PRO ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Instrument ID: SFID01 Calibration Date Begin: 06/11/07 End: 06/11/07

GC Column: RTX-5 ID: 0.53 (mm) Calibration Time Begin: 1840 End: 2214

Min RRF for SPCC(#) = 0 Max %RSD for CCC(*) = 0 %

LAB FILE ID: RT6: PROCAL61.D

COMPOUND	RT6					MIDCAL RT	RT WINDOW FROM	TO
TPH	7.950					7.950	0.900	15.000
==========								
C39 Surrogate(SURR)	14.207					14.170	13.710	14.630
o-Terphenyl Surrogate(SURR)	8.407					8.407	8.207	8.607

250607 1419

FORM VI

7SSC

FL-PRO ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Instrument ID: SFID01 CalibrationDate: 06/12/07 Time: 0001

CCV ID: SSC519640 Lab File ID: PROSECC2.D Init. Calib. Date Begin: 06/11/07 End: 06/11/07

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
TPH	1.7	1.46	14.1	LINR
==========				
C39 Surrogate(SURR)	35719883	30469550	14.7	AVRG
o-Terphenyl Surrogate(SURR)	37451432	34609640	7.6	AVRG

250607 1419

FORM VII

FL-PRO ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Instrument ID: SFID01 CalibrationDate: 06/15/07 Time: 1009

CCV ID: CCV521078 Lab File ID: PROCCV1.D Init. Calib. Date Begin: 06/11/07 End: 06/11/07

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
TPH	1.7	1.64	3.5	LINR
==========				
C39 Surrogate(SURR)	35719883	27521466.667	23.0	AVRG
o-Terphenyl Surrogate(SURR)	37451432	32286950	13.8	AVRG

250607 1419

FORM VII

7

FL-PRO ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Instrument ID: SFID01 CalibrationDate: 06/15/07 Time: 1651

CCV ID: CCV521429 Lab File ID: PROCCV2.D Init. Calib. Date Begin: 06/11/07 End: 06/11/07

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
TPH	1.7	1.46	14.1	LINR
==========				
C39 Surrogate(SURR)	35719883	29115683.333	18.5	AVRG
o-Terphenyl Surrogate(SURR)	37451432	32167470	14.1	AVRG

250607 1419

FORM VII

FL-PRO ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Instrument ID: SFID01 CalibrationDate: 06/16/07 Time: 0551

CCV ID: CCV521431 Lab File ID: PROCCV4.D Init. Calib. Date Begin: 06/11/07 End: 06/11/07

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
TPH	1.7	1.64	3.5	LINR
==========				
C39 Surrogate(SURR)	35719883	29673933.333	16.9	AVRG
o-Terphenyl Surrogate(SURR)	37451432	35091520	6.3	AVRG

250607 1419

FORM VII

7

FL-PRO ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Instrument ID: SFID01 CalibrationDate: 06/16/07 Time: 1220

CCV ID: CCV521432 Lab File ID: PROCCV5.D Init. Calib. Date Begin: 06/11/07 End: 06/11/07

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
TPH	1.7	1.5	11.8	LINR
==========				
C39 Surrogate(SURR)	35719883	28075566.667	21.4	AVRG
o-Terphenyl Surrogate(SURR)	37451432	32769430	12.5	AVRG

250607 1419

FORM VII

Inorganics

250607 1419

Inorganic Data Qualifiers

C (Concentration) Qualifier - Entries and their meanings are:

J The reported value obtained was less than the RL but greater than or equal to the MDL.

E The reported value obtained was over calibration or linear range.

U The reported value obtained was less than the MDL or was not detected.

Q Qualifier - Entries and their meanings are:

U The reported value is estimated because of interference. An explanatory comment must be included under "Comments" on the Cover Page if the problem applies to all samples in this data package or on the individual FORM 1 if it is an isolated problem.

M Duplicate injection precision was not met (two analyses of the same sample did not agree).

N Spiked sample recovery not within control limits.

E Serial Dilution percent difference not within control limits.

S The reported value was determined by the Method of Standard Additions (MSA).

W Post-digestion spike for Furnace AA analysis is out of control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.

***** Duplicate analysis not within control limits.

+ Correlation coefficient for the MSA is less than 0.995.

X The data is flagged as rejected by analyst utilizing analytical judgement.

Entering "S", "W", or "+" is mutually exclusive. No combination of these qualifiers can apear in the same field.

M (Method) Qualifier - Enter one of the following:

P ICP
A Flame AA
F Furnace AA
CV Manual Cold Vapor AA
TC Total Organic Carbon
AS Semi-Automated Spectrophotometric
CA Midi-Distillation Spectrophotometric
T Titrimetric
C Manual Spectrophotometric
GR Gravimetric
NR Analyte was not required by your lab

250607 1419

Inorganic Sample ID Qualifiers

The qualifiers that may be appended to the lab sample ID and/or the client sample ID for inorganic analysis are defined below:

DL Diluted reanalysis. Indicates that the results of the original analysis of the sample contained compounds that exceeded the calibration range. The sample was diluted and reanalyzed. May be followed by a digit to indicate multiple dilutions of the sample. The results of more than one diluted reanalysis may be reported.

R Reanalysis. The extract was reanalyzed without re-extraction. The "R" is not used if the sample was also re-extracted. May be followed by a digit to indicate multiple reanalysis of the sample at the same dilution.

RE Re-extracted. The extract was reanalyzed with re-extraction. May be followed by a digit to indicate multiple re-extraction of the same sample at the same dilution.

MS Matrix spike (may be followed by a digit to indicate multiple matrix within a sample set).

SD Matrix spike duplicate (may be followed by a digit to indicate multiple matrix spike duplicate within a sample set).

A Post Digestion Spike.

L Serial Dilution.

250607 1419

METALS DATA PACKAGE
TOTALS

250607 1419

CASE NARRATIVE
METALS

PEL Lab Reference No./SDG: 2506941

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHOD

Analyses were performed according to PEL Laboratory's Standard Operating Procedures and EPA Method 6010B for ICP metals.

IV. PREPARATION

Water samples were prepared according to PEL Laboratory's Standard Operating Procedures and EPA Method 3010A.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met.

2. Method Blanks:

All acceptance criteria were met.

C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

2. Post Digestion Spike:

All acceptance criteria were met.

3. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

No spikes requested by client.

CASE NARRATIVE
METALS

PEL Lab Reference No./SDG: 2506941

Client: CH2M Hill

D. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)

E. Serial Dilution:

All acceptance criteria were met.

F. ICP Interference Check Samples:

All acceptance criteria were met.

G. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

SIGNED: **DATE: 06/21/2007**

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SDG No.: 2506941

SOW No.:

EPA Sample No	Lab Sample ID
TO05MW43ABL	250694101
TO05MW43BBL	250694102

Were ICP interelement corrections applied?	Yes/No	Yes
Were ICP background corrections applied?	Yes/No	Yes
If yes - were raw data generated before application of background corrections?	Yes/No	No

Comments:

250607 1419

Sample Data

250607 1419

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW43ABL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: WATER Lab Sample ID: 250694101

Level:(low/med) LOW Date Received: 6/7/2007

PercentSolids: 0 Station ID: OLD-OU2-43A

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M
7440-23-5	Sodium	598			P

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

250607 1419

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW43BBL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: WATER Lab Sample ID: 250694102

Level:(low/med) LOW Date Received: 6/7/2007

PercentSolids: 0 Station ID: OLD-OU2-43B

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M
7440-23-5	Sodium	8790			P

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

250607 1419

QC Summary

250607 1419

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Initial Calibration Source: 18567

Continuing Calibration Source: 18967

Concentration Units: (UG/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Sodium	40000	39500.000	98.8	25000	22700.000	90.8	22500.000	90.0	P

ICV IDs: P= ICV520592

CCV1 IDs: P= CCV520626

CCV2 IDs: P= CCV520628

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

250607 1419

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Initial Calibration Source:

Continuing Calibration Source: 18967

Concentration Units: (UG/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Sodium				25000	22700.000	90.8	27000.000	108.0	P

ICV IDs:

CCV1 IDs: P= CCV520641

CCV2 IDs: P= CCV520656

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

250607 1419

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Initial Calibration Source:

Continuing Calibration Source: 18967

Concentration Units: (UG/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Sodium				25000	22700.000	90.8	24500.000	98.0	P

ICV IDs:

CCV1 IDs: P= CCV520657

CCV2 IDs: P= CCV520670

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

250607 1419

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Initial Calibration Source:

Continuing Calibration Source: 18967

Concentration Units: (UG/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Sodium				25000	23100.000	92.4	23300.000	93.2	P

ICV IDs:

CCV1 IDs: P= CCV520682

CCV2 IDs: P= CCV520721

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

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U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Initial Calibration Source:

Continuing Calibration Source: 18967

Concentration Units: (UG/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Sodium				25000	22800.000	91.2	22900.000	91.6	P

ICV IDs:

CCV1 IDs: P= CCV520742

CCV2 IDs: P= CCV520853

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Initial Calibration Source:

Continuing Calibration Source: 18967

Concentration Units: (UG/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Sodium				25000	23300.000	93.2	24300.000	97.2	P

ICV IDs:

CCV1 IDs: P= CCV520865

CCV2 IDs: P= CCV520878

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

250607 1419

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3

BLANKS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Preparation Blank Matrix (water/soil): WATER

Preparation Blank Concentration Units (ug/L or mg/Kg): UG/L

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Sodium	540	U	540	U	540	U	540	U	540	U	P

ICB IDs: P= ICB520593

CCB1 IDs: P= CCB520627

CCB2 IDs: P= CCB520629

CCB3 IDs: P= CCB520630

250607 1419

U.S. EPA - CLP

3

BLANKS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Preparation Blank Matrix (water/soil):

Preparation Blank Concentration Units (ug/L or mg/Kg):

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Sodium			540	U	540	U	540	U			P

ICB IDs:

CCB1 IDs: P= CCB520642

CCB2 IDs: P= CCB520658

CCB3 IDs: P= CCB520659

250607 1419

U.S. EPA - CLP

3

BLANKS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Preparation Blank Matrix (water/soil):

Preparation Blank Concentration Units (ug/L or mg/Kg):

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Sodium			540	U	540	U	540	U			P

ICB IDs:

CCB1 IDs: P= CCB520671

CCB2 IDs: P= CCB520683

CCB3 IDs: P= CCB520684

250607 1419

U.S. EPA - CLP

3

BLANKS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Preparation Blank Matrix (water/soil):

Preparation Blank Concentration Units (ug/L or mg/Kg):

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Sodium			540	U	540	U	540	U			P

ICB IDs:

CCB1 IDs: P= CCB520722

CCB2 IDs: P= CCB520723

CCB3 IDs: P= CCB520854

250607 1419

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3

BLANKS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Preparation Blank Matrix (water/soil):

Preparation Blank Concentration Units (ug/L or mg/Kg):

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Sodium			540	U	540	U	540	U			P

ICB IDs:

CCB1 IDs: P= CCB520866

CCB2 IDs: P= CCB520867

CCB3 IDs: P= CCB520879

250607 1419

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4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

ICP ID#: ICAP2 ICSA Source: 17375

ICSAB Source: 18305

Concentration Units: UG/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Sodium	0	0	31.084					

ICSA: ICS520595

ICSAB: ICS520625

250607 1420

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5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA Sample No.

250690205A

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: Water Level:(low/med) LOW

Concentration Units (ug/L or mg/kg): ug/L

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Sodium	80 - 120	50600.00		5230.74		50000	90.7		P

Comments:

250607 1420

U.S. EPA - CLP

6

DUPLICATES

EPA Sample No.

243573LCSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0 % Solids for Duplicate: 0

Concentration Units (mg/L or mg/kg): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Sodium	20	46000		47200		2.6		P

Comments:

250607 1420

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7

LABORATORY CONTROL SAMPLE

EPA Sample No.

243572LCS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Solid LCS Source:

Aqueous LCS Source: 17742, 18965

	Aqueous (UG/L)			Solid				
Analyte	True	Found	%R	True	Found	C	Limits	%R
Sodium	50000	46000	92.0				-	

250607 1420

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7

LABORATORY CONTROL SAMPLE

EPA Sample No.

243573LCSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Solid LCS Source:

Aqueous LCS Source: 17742, 18965

	Aqueous (UG/L)			Solid				
Analyte	True	Found	%R	True	Found	C	Limits	%R
Sodium	50000	47200	94.4				-	

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9

SERIAL DILUTIONS

EPA Sample No.

250690205L

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: Water Level:(low/med) LOW

Concentration Units (ug/L or mg/kg): ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ-ence	Q	M
Sodium	5230.74		5940.00		14		P

Comments:

250607 1420

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10

METHOD DETECTION LIMITS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

ICP ID Number : ICAP2

Furnace AA ID Number :

Analyte	Wave-length (nm)	Raw MDL (UG/L)	CRDL (UG/L)	MDL (UG/L)	Verification Date	M
Sodium	589.592	180	540	180	7/17/2006	P

Comments:

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12

ICP LINEAR RANGES (SEMI-ANNUALLY)

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

ICP ID NUMBER : ICAP2 DATE : 11/3/2006

Analyte	Integ. Time (sec.)	Concentration UG/L	M
Sodium	1	250000	P

Comments:

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13

PREPARATION LOG

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Method : 6010

EPA Sample No:	Preparation Date	Weight (gram)	Volume (mL)
243571BLK	9 Jun 07		50
243572LCS	9 Jun 07		50
243573LCSD	9 Jun 07		50
TO05MW43ABL	9 Jun 07		50
TO05MW43BBL	9 Jun 07		50

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14

ANALYSIS RUN LOG

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Instrument ID Number : ICAP2 Method : P

Start Date : 6/14/2007 End Date : 6/14/2007

EPA Sample No.	D/F	Time	%R	Analytes																									
				AG	AL	AS	BA	BE	CA	CD	CN	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TI	TL	V	ZN
CAL01	1	9:49																				X									
CAL02	1	9:53																				X									
CAL03	1	9:57																				X									
CAL04	1	10:02																				X									
CAL05	1	10:06																				X									
CAL06	1	10:10																				X									
ICV520592	1	10:19																				X									
ICB520593	1	10:23																				X									
ZZZZZZ	1	10:28																													
ICSA	1	10:32																				X									
ICSAB	1	10:47																				X									
CCV520626	1	10:52																				X									
CCB520627	1	10:56																				X									
CCV520628	1	11:59																				X									
CCB520629	1	12:04																				X									
CCB520630	1	12:07																				X									
ZZZZZZ	1	12:11																													
ZZZZZZ	1	12:16																													
ZZZZZZ	1	12:20																													
ZZZZZZ	1	12:24																													
ZZZZZZ	1	12:28																													
ZZZZZZ	5	12:33																													
ZZZZZZ	1	12:37																													
ZZZZZZ	1	12:41																													
ZZZZZZ	1	12:46																													
ZZZZZZ	1	12:50																													
CCV520641	1	12:54																				X									
CCB520642	1	12:58																				X									
ZZZZZZ	1	13:02																													
ZZZZZZ	1	13:07																													
ZZZZZZ	1	13:11																													
ZZZZZZ	1	13:15																													
ZZZZZZ	1	13:19																													
ZZZZZZ	1	13:23																													
ZZZZZZ	1	13:27																													
ZZZZZZ	1	13:31																													

250607 1420

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14

ANALYSIS RUN LOG

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Instrument ID Number : ICAP2 Method : P

Start Date : 6/14/2007 End Date : 6/14/2007

EPA Sample No.	D/F	Time	%R	Analytes																									
				AG	AL	AS	BA	BE	CA	CD	CN	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TI	TL	V	ZN
ZZZZZZ	1	13:36																													
ZZZZZZ	1	13:40																													
CCV520656	1	13:44																				X									
CCV520657	1	13:49																				X									
CCB520658	1	13:53																				X									
CCB520659	1	13:56																				X									
ZZZZZZ	1	14:00																													
ZZZZZZ	1	14:04																													
ZZZZZZ	1	14:08																													
ZZZZZZ	1	14:12																													
ZZZZZZ	1	14:16																													
ZZZZZZ	5	14:21																													
ZZZZZZ	1	14:25																													
ZZZZZZ	1	14:29																													
ZZZZZZ	1	14:32																													
ZZZZZZ	1	14:36																													
CCV520670	1	14:41																				X									
CCB520671	1	14:47																				X									
ZZZZZZ	5	14:50																													
ZZZZZZ	10	14:55																													
ZZZZZZ	1	14:59																													
ZZZZZZ	1	15:03																													
ZZZZZZ	1	15:07																													
ZZZZZZ	1	15:11																													
ZZZZZZ	1	15:15																													
243571BLK	1	15:19																				X									
243572LCS	1	15:24																				X									
243573LCSD	1	15:28																				X									
CCV520682	1	15:32																				X									
CCB520683	1	15:36																				X									
CCB520684	1	15:39																				X									
ZZZZZZ	1	15:43																													
250690205L	5	15:48																				X									
ZZZZZZ	1	15:52																													
ZZZZZZ	1	15:57																													
250690205A	1	16:01																				X									

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14

ANALYSIS RUN LOG

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Instrument ID Number : ICAP2 Method : P

Start Date : 6/14/2007 End Date : 6/14/2007

EPA Sample No.	D/F	Time	%R	Analytes																									
				AG	AL	AS	BA	BE	CA	CD	CN	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TI	TL	V	ZN
ZZZZZZ	1	16:05																													
ZZZZZZ	5	16:09																													
ZZZZZZ	25	16:14																													
ZZZZZZ	5	16:18																													
ZZZZZZ	5	16:22																													
CCV520721	1	16:27																				X									
CCB520722	1	16:31																				X									
CCB520723	1	16:34																				X									
ZZZZZZ	5	16:38																													
ZZZZZZ	5	16:42																													
ZZZZZZ	1	16:46																													
ZZZZZZ	1	16:51																													
ZZZZZZ	1	16:55																													
ZZZZZZ	1	16:59																													
ZZZZZZ	1	17:03																													
ZZZZZZ	1	17:07																													
ZZZZZZ	5	17:11																													
ZZZZZZ	1	17:15																													
CCV520742	1	17:19																				X									
CCV520853	1	17:22																				X									
CCB520854	1	17:26																				X									
ZZZZZZ	5	17:30																													
ZZZZZZ	5	17:34																													
ZZZZZZ	5	17:40																													
ZZZZZZ	5	17:44																													
ZZZZZZ	5	17:48																													
ZZZZZZ	5	17:52																													
ZZZZZZ	5	17:56																													
ZZZZZZ	5	18:01																													
ZZZZZZ	1	18:05																													
ZZZZZZ	1	18:09																													
CCV520865	1	18:14																				X									
CCB520866	1	18:18																				X									
CCB520867	1	18:21																				X									
ZZZZZZ	1	18:25																													
TO05MW43ABL	1	18:29																				X									

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14

ANALYSIS RUN LOG

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Instrument ID Number : ICAP2 Method : P

Start Date : 6/14/2007 End Date : 6/14/2007

EPA Sample No.	D/F	Time	%R	Analytes																									
				AG	AL	AS	BA	BE	CA	CD	CN	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TI	TL	V	ZN
TO05MW43BBL	1	18:34																				X									
ZZZZZZ	1	18:38																													
ZZZZZZ	5	18:43																													
ZZZZZZ	1	18:48																													
ZZZZZZ	1	18:53																													
ZZZZZZ	1	18:57																													
ZZZZZZ	1	19:02																													
ZZZZZZ	1	19:06																													
CCV520878	1	19:11																				X									
CCB520879	1	19:15																				X									

250607 1420

WET CHEMISTRY DATA PACKAGE
TOTALS

250607 1420

CASE NARRATIVE
RESIDUE, FILTERABLE (TDS)

PEL Lab Reference No./SDG: 2506941

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

Analyses were performed according to PEL Laboratory's Standard Operating Procedures and EPA Method 160.1.

IV. PREPARATION

Water samples were prepared according to PEL Laboratory's Standard Operating Procedures and EPA Method 160.1.

V. ANALYSIS

A. Blanks:

1. Method Blanks:

All acceptance criteria were met.

B. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

Spikes are not available for this method.

C. Duplicate:

All acceptance criteria were met.

D. Samples:

Sample analysis proceeded normally.

CASE NARRATIVE
RESIDUE, FILTERABLE (TDS)

PEL Lab Reference No./SDG: 2506941

Client: CH2M Hill

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

SIGNED: **DATE: 06/13/2007**

CASE NARRATIVE
Anions by Ion Chromatography

PEL Lab Reference No./SDG: 2506941

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Analysis: All holding times were met.

III. METHOD

Analyses were performed according to EPA method 300.1 and PEL Laboratory's Standard Operating Procedure.

IV. PREPARATION

There is no preparation step for this method.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met.

2. Method Blanks:

All acceptance criteria were met.

C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

No spikes requested by client.

D. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)

CASE NARRATIVE
Anions by Ion Chromatography

PEL Lab Reference No./SDG: 2506941

Client: CH2M Hill

E. Samples:

It should be noted that the laboratory experienced a significant temperature fluctuation over the course of the analytical sequence.

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SIGNED: **DATE: 06/25/2007**

CASE NARRATIVE
ALKALINITY

PEL Lab Reference No./SDG: 2506941

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

Analyses were performed according to PEL Laboratory's Standard Operating Procedures and EPA Method 310.1.

IV. ANALYSIS

A. Blanks:

1. Method Blanks:

All acceptance criteria were met.

B. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

No spikes requested by client.

C. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section B. Spikes.)

D. Samples:

Sample analysis proceeded normally.

CASE NARRATIVE
ALKALINITY

PEL Lab Reference No./SDG: 2506941

Client: CH2M Hill

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

SIGNED: **DATE: 06/18/2007**

CASE NARRATIVE
TOTAL ORGANIC CARBON

PEL Lab Reference No./SDG: 2506941

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

Analyses were performed according to PEL Laboratory's Standard Operating Procedures and EPA Method 415.1.

IV. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met. The following ICB/CCB(s) had element concentrations below the RL:

CCB244727 was analyzed on 06/21/07 18:26. The following analyte(s) were detected below RL: TOC at 706 UG/L.

CCB244731 was analyzed on 06/21/07 19:56. The following analyte(s) were detected below RL: TOC at 430 UG/L.

2. Method Blanks:

All acceptance criteria were met.

C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

No spikes requested by client.

CASE NARRATIVE
TOTAL ORGANIC CARBON

PEL Lab Reference No./SDG: 2506941

Client: CH2M Hill

D. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)

E. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

SIGNED: **DATE: 06/22/2007**

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SDG No.: 2506941

SOW No.:

EPA Sample No	Lab Sample ID
TO05MW43ABL	250694101
TO05MW43BBL	250694102
TO05MW47BBL	250694103
TO05FD01BL	250694104
TO05MW47ABL	250694105

Comments:

250607 1420

Sample Data

250607 1420

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW43ABL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: WATER Lab Sample ID: 250694101

Level:(low/med) LOW Date Received: 6/7/2007

PercentSolids: 0 Station ID: OLD-OU2-43A

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M
47752-0-60-0	Alkalinity (Total)	8040			IS
24959-67-9	Bromide	0.5	U		IC
1-01-0	Residue, Filterable (TDS)	89000			GR
1012_5	TOC	17800			AS

Surrogate	Recovery	Control Limits	Qualifier
DCA	98.0	90 - 115	

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW43BBL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: WATER Lab Sample ID: 250694102

Level:(low/med) LOW Date Received: 6/7/2007

PercentSolids: 0 Station ID: OLD-OU2-43B

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M
47752-0-60-0	Alkalinity (Total)	14000			IS
24959-67-9	Bromide	0.5	U		IC
1-01-0	Residue, Filterable (TDS)	80000			GR
1012_5	TOC	30000			AS

Surrogate	Recovery	Control Limits	Qualifier
DCA	110.0	90 - 115	

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW47BBL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: WATER Lab Sample ID: 250694103

Level:(low/med) LOW Date Received: 6/7/2007

PercentSolids: 0 Station ID: OLD-OU2-47B

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M
47752-0-60-0	Alkalinity (Total)	42400			IS
24959-67-9	Bromide	0.5	U		IC
1012_5	TOC	30600			AS

Surrogate	Recovery	Control Limits	Qualifier
DCA	106.0	90 - 115	

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05FD01BL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: WATER Lab Sample ID: 250694104

Level:(low/med) LOW Date Received: 6/7/2007

PercentSolids: 0 Station ID: Field Dupe

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M
47752-0-60-0	Alkalinity (Total)	38000			IS
24959-67-9	Bromide	0.5	U		IC
1012_5	TOC	31500			AS

Surrogate	Recovery	Control Limits	Qualifier
DCA	112.0	90 - 115	

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW47ABL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: WATER Lab Sample ID: 250694105

Level:(low/med) LOW Date Received: 6/7/2007

PercentSolids: 0 Station ID: OLD-OU2-47A

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M
47752-0-60-0	Alkalinity (Total)	14300			IS
24959-67-9	Bromide	0.5	U		IC
1012_5	TOC	18800			AS

Surrogate	Recovery	Control Limits	Qualifier
DCA	108.0	90 - 115	

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

QC Summary

250607 1420

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2-CC

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Concentration Units: (UG/L)

Analyte	Initial Calibration				Continuing Calibration						
	Source Used	True	Found	%R (1)	Source Used	True	Found	%R (1)	Found	%R (1)	M
Alkalinity (Total)											IS
Bromide	17734, 17735	8	8.000	100.0	17734, 17735	8	7.980	99.8	7.980	99.8	IC
Residue, Filterable											GR
TOC	18632-60701	10000	9900.000	99.0	13944-57301	10000	11300.000	113.0	10600.000	106.0	AS

ICV IDs: AS= ICV244721, IC= ICV523431

CCV1 IDs: AS= CCV244726, IC= CCV523443

CCV2 IDs: AS= CCV244730, IC= CCV523453

(1) Control Limits: TOC: 80-120

Comments:

250607 1420

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3

BLANKS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Preparation Blank Matrix (water/soil): WATER
WATER
WATER

Preparation Blank Concentration Units (ug/L or mg/Kg): MG/L
Percent R
UG/L

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Alkalinity (Total)									1500	U	IS
Bromide	0.5	U	0.5	U	0.5	U			0.5	U	IC
Residue, Filterable (TDS)									30000	U	GR
TOC	1104	U	706	J	430	J			1100	U	AS

Surrogate	Recovery	Control Limits	Qualifier
DCA	96.0	90 - 115	

ICB IDs: AS= ICB244722, IC= ICB523432

CCB1 IDs: AS= CCB244727, IC= CCB523444

CCB2 IDs: AS= CCB244731, IC= CCB523454

CCB3 IDs:

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3

BLANKS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Preparation Blank Matrix (water/soil): WATER

Preparation Blank Concentration Units (ug/L or mg/Kg): UG/L

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Alkalinity (Total)									1500	U	IS
Bromide											IC
Residue, Filterable (TDS)									30000	U	GR
TOC											AS

ICB IDs:

CCB1 IDs:

CCB2 IDs:

CCB3 IDs:

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3

BLANKS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Preparation Blank Matrix (water/soil): WATER

Preparation Blank Concentration Units (ug/L or mg/Kg): UG/L

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Alkalinity (Total)									1500	U	IS
Bromide											IC
Residue, Filterable (TDS)											GR
TOC											AS

ICB IDs:

CCB1 IDs:

CCB2 IDs:

CCB3 IDs:

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6

DUPLICATES

EPA Sample No.

243620LCSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0 % Solids for Duplicate: 0

Concentration Units (mg/L or mg/kg): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Residue, Filterable (TDS)	20	240000		245000		2.1		GR

Comments:

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6

DUPLICATES

EPA Sample No.

244327LCSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0 % Solids for Duplicate: 0

Concentration Units (mg/L or mg/kg): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Alkalinity (Total)	20	50600		48300		4.7		IS

Comments:

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6

DUPLICATES

EPA Sample No.

244724LCSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0 % Solids for Duplicate: 0

Concentration Units (mg/L or mg/kg): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
TOC	20	9250		9340		1.0		AS

Comments:

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6

DUPLICATES

EPA Sample No.

523435LCSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0 % Solids for Duplicate: 0

Concentration Units (mg/L or mg/kg): MG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Bromide	20	7.94		7.96		0.3		IC

Comments:

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6

DUPLICATES

EPA Sample No.

TO05MW43ABLD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0 % Solids for Duplicate: 0

Concentration Units (mg/L or mg/kg): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Residue, Filterable (TDS)	20	89000		97000		8.6		GR

Comments:

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7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

243620LCS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: (soil/water) WATER

Concentration Units: (UG/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
Residue, Filterable (TDS)	18614-60603	GR	80	120	258000	240000	93	

Comments:

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7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

243620LCSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: (soil/water) WATER

Concentration Units: (UG/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
Residue, Filterable (TDS)	18614-60603	GR	80	120	258000	245000	95	

Comments:

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7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

244327LCS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: (soil/water) WATER

Concentration Units: (UG/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
Alkalinity (Total)	16186-58602	IS	80	120	50000	50600	101.2	

Comments:

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7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

244327LCSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: (soil/water) WATER

Concentration Units: (UG/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
Alkalinity (Total)	16186-58602	IS	80	120	50000	48300	96.6	

Comments:

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7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

244724LCS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: (soil/water) WATER

Concentration Units: (UG/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
TOC	13944-57301	AS	80	120	10000	9250	92.5	

Comments:

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7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

244724LCSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: (soil/water) WATER

Concentration Units: (UG/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
TOC	13944-57301	AS	80	120	10000	9340	93.4	

Comments:

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7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

523434LCS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: (soil/water) WATER

Concentration Units: (MG/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
Bromide	17734, 17735	IC	75	125	8	7.94	99.2	

Comments:

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7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

523435LCSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: (soil/water) WATER

Concentration Units: (MG/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
Bromide	17734, 17735	IC	75	125	8	7.96	99.5	

Comments:

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10

METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: Water

Concentration Units: MG/L

PARAMETER	M	INSTRUMENT ID	DATE	CRDL	MDL	Raw MDL (UG/L)
Bromide	IC	IC	2/8/2006	0.5	0.014	0.014

Comments:

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10

METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Matrix: Water

Concentration Units: UG/L

PARAMETER	M	INSTRUMENT ID	DATE	CRDL	MDL	Raw MDL (UG/L)
Alkalinity (Total)	IS	TITRAT	1/10/2007	1500	500	500
Residue, Filterable (TDS)	GR	GRAV	7/22/2004	30000	10000	10000
TOC	AS	SHIMZ2	5/31/2007	1104	368	368

Comments:

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14

ANALYSIS RUN LOG

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Instrument ID Number : GRAV Method : GR

Start Date : 6/12/2007 End Date : 6/12/2007

EPA Sample No.	D/F	Time	%R	Analytes: Residue, Filterable (TDS)
ZZZZZZ	1	13:12		
243619BLK	1	13:13		X
243620LCS	1	13:14		X
243620LCSD	1	13:15		X
TO05MW43ABL	1	13:16		X
TO05MW43ABLD	1	13:17		X
TO05MW43BBL	1	13:18		X
ZZZZZZ	1	13:19		
ZZZZZZ	1	13:20		
ZZZZZZ	1	13:21		
ZZZZZZ	1	13:22		
243623BLK	1	13:23		X

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14

ANALYSIS RUN LOG

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Instrument ID Number : IC Method : IC

Start Date : 5/16/2007 End Date : 5/16/2007

EPA Sample No.	D/F	Time	%R	Analytes: DCA Bromide
IICAL1	1	14:13		X
IICAL2	1	14:40		X
IICAL3	1	15:08		X
IICAL4	1	15:35		X
IICAL5	1	16:02		X
IICAL6	1	16:30		X
IICAL7	1	16:57		X

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14

ANALYSIS RUN LOG

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Instrument ID Number : IC Method : IC

Start Date : 6/21/2007 End Date : 6/22/2007

EPA Sample No.	D/F	Time	%R	Analytes: DCA Bromide
ICV523431	1	17:56		X
ICB523432	1	18:24		X
523433MB	1	18:51		X
523434LCS	1	19:18		X
523435LCSD	1	19:45		X
ZZZZZZ	10	20:13		
ZZZZZZ	10	20:40		
ZZZZZZ	10	21:07		
TO05MW43ABL	1	21:35		X
TO05MW43BBL	1	22:02		X
TO05MW47BBL	1	22:29		X
TO05FD01BL	1	22:57		X
CCV523443	1	23:24		X
CCB523444	1	23:51		X
TO05MW47ABL	1	0:19		X
ZZZZZZ	1	0:46		
ZZZZZZ	1	1:13		
ZZZZZZ	1	1:41		
ZZZZZZ	1	2:08		
ZZZZZZ	1	2:35		
ZZZZZZ	1	3:03		
ZZZZZZ	1	3:30		
CCV523453	1	3:57		X
CCB523454	1	4:24		X

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14

ANALYSIS RUN LOG

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Instrument ID Number : TITRAT Method : IS

Start Date : 6/14/2007 End Date : 6/14/2007

EPA Sample No.	D/F	Time	%R	Analytes: Alkalinity (Total)
244326BLK	1	15:30		X
244327LCS	1	15:33		X
244327LCSD	1	15:38		X
ZZZZZZ	1	15:43		
ZZZZZZ	2	15:50		
ZZZZZZ	2	16:03		
ZZZZZZ	2	16:11		
TO05MW43ABL	1	16:28		X
TO05MW43BBL	1	16:31		X
244330BLK	1	16:36		X
TO05MW47BBL	1	17:03		X
TO05FD01BL	1	17:08		X
TO05MW47ABL	1	17:13		X
ZZZZZZ	1	17:17		
ZZZZZZ	1	17:20		
ZZZZZZ	1	17:26		
ZZZZZZ	1	17:31		
ZZZZZZ	1	17:35		
ZZZZZZ	1	17:39		
ZZZZZZ	1	17:45		
244333BLK	1	17:51		X

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14

ANALYSIS RUN LOG

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2506941

Instrument ID Number : SHIMZ2 Method : AS

Start Date : 6/21/2007 End Date : 6/21/2007

EPA Sample No.	D/F	Time	%R	Analytes: TOC
ICV244721	1	14:19		X
ICB244722	1	14:40		X
244723BLK	1	15:02		X
244724LCS	1	15:25		X
244724LCSD	1	15:49		X
TO05MW43ABL	1	16:12		X
TO05MW43BBL	1	16:36		X
TO05MW47BBL	1	16:58		X
TO05FD01BL	1	17:20		X
TO05MW47ABL	1	17:42		X
CCV244726	1	18:05		X
CCB244727	1	18:26		X
ZZZZZZ	1	18:49		
ZZZZZZ	1	19:12		
CCV244730	1	19:35		X
CCB244731	1	19:56		X

250607 1420

Chain of Custody Documentation

250607 1420

CH2MHILL Constructors, Inc.
115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

2506941 KC

[1] COC NUMBER: OU2060607-1

[2] PROJECT NAME:	[5] PROJECT NUMBER:	[8] LAB NAME AND CONTACT:	[11] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No. , and Fax No.):
NTC Orlando	283383.10.10	Darcy Weisman/ PEL labs	Kama White CH2M Hill CCI	North Park 400, 1000 Abenathy Rd, Suite 1600 Atlanta Ga. 30328
[3] PROJECT PHASE/SITE/TASK:	[6] CTO OR DO NUMBER:	[9] LAB PO NUMBER:	[12] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No. , and Fax No.):
OU-2	T0-05	808799		
[4] PROJECT CONTACT:	[7] PROJECT TEL NO AND FAX NO:	[10] LAB TEL NO AND FAX NO:	[13] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No. , and Fax No.):
Bethany Garvey	770-604-9182	813-247-2085		

[25] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SOP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	VOC's 8260B	ALK alinity Bromide	TOC	TRPH	Metals, Na	TDS					[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	TO05MW43ABL	OLD-OU2-43A	W	06/06/07	11:25	C	14	3	1	1	1	1	1					N	Pre injection Baseline sampling	01
2	TO05MW43BBL	OLD-OU2-43B	W	06/06/07	11:50	C	14	3	1	1	1	1	1					N		02
3	TO05MW47BBL	OLD-OU2-47B	W	06/06/07	15:45	C	14		1	1								N		03
4	TO05FD01BL	Field dupe	W	06/06/07		C	14		1	1								FD		04
5	TO05MW47ABL	OLD-OU2-47A	W	06/06/07	16:40	C	14		1	1								N		05
6	TO05TB1BL	Trip Blank	W	06/06/07		C	14	1										TB		06
7																				
8																			Please note New Mailing Address.	
9																				
10																			Caution maybe high VOC's	

2506941

[29] SAMPLER(S) AND COMPANY: (please print)	[30] COURIER AND SHIPPING NUMBER:	[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):
Mark Stinnett, Sara Vaughn CH2M hill	Fed Ex 860833437157	Rec'd @ 3.8 pH<2 (8260), FLPRO (4010)

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature: Sara Tyrell	6-06-07	1930	Printed Name and Signature: [illegible]	06/07/07	1010
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

Distribution: [ ] **Original** - Laboratory (To be returned with Analytical Report); [ ] **Copy 1** - Project File; [ ] **Copy 2** - PMO

Form CCI001, Rev 06/00

FedEx Express US Airbill 8608 3343 7157 0200 Form ID No. **FedEx Retrieval Copy**

1 From
Date 6/6/7 Sender's FedEx Account Number 241 253 520
Sender's Name ISAAC Lynch Phone 352 494-3822
Company CH2M Hill CCI
Address 1060 WAREHOUSE ROAD Dept./Floor/Suite/Room
City Orlando State FL ZIP 32803

2 Your Internal Billing Reference 283383.10.10

3 To
Recipient's Name DARCY WEISMAN Phone 813 247-2805
Company PEL LABS
Recipient's Address 4420 PENDULA PT RD
We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room
Address
To request a package be held at a specific FedEx location, print FedEx address here.
City TAMPA State FL ZIP 33619

8608 3343 7157

4a Express Package Service *Packages up to 150 lbs.*
1 [X] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
5 [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
6 [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.
3 [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
20 [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.
FedEx Envelope rate not available. Minimum charge: One-pound rate.
* To most locations.

4b Express Freight Service *Packages over 150 lbs.*
7 [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
8 [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
83 [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.
* Call for Confirmation: ** To most locations.

5 Packaging
6 [ ] FedEx Envelope* 2 [ ] FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak. 3 [ ] FedEx Box 4 [ ] FedEx Tube 1 [X] Other
* Declared value limit $500.

6 Special Handling Include FedEx address in Section 3.
3 [ ] SATURDAY Delivery — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
1 [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight.
31 [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.
[X] No 4 [ ] Yes As per attached Shipper's Declaration. [ ] Yes Shipper's Declaration not required. 6 [ ] Dry Ice Dry ice, 9, UN 1845 ____ x ____ kg
Dangerous goods (including dry ice) cannot be shipped in FedEx packaging. [ ] Cargo Aircraft Only

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below. Obtain Recip. Acct. No. [ ]
1 [X] Sender Acct. No. in Section 1 will be billed. 2 [ ] Recipient 3 [ ] Third Party 4 [ ] Credit Card 5 [ ] Cash/Check

Total Packages	Total Weight	Total Charges
1	27	Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

8 *NEW* Residential Delivery Signature Options If you require a signature, check Direct or Indirect.
[ ] No Signature Required — Package may be left without obtaining a signature for delivery.
10 [ ] Direct Signature — Anyone at recipient's address may sign for delivery. *Fee applies.*
34 [ ] Indirect Signature — If no one is available at recipient's address, anyone at a neighboring address may sign for delivery. *Fee applies.*

520

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PEL Laboratories, Inc.

pH LOG SHEET

Work Order # 2506941 By KC

Client / Project Name NTC Orlando Date 8/6/07

PEL Sample Number	H_2SO_4 (pH<2)		HNO_3 (pH<2)		NaOH (pH>12)		ZnAC/NaOH (pH>9)		HCl (pH<2)		Other _____ pH _____	
	No. of Containers	pH	No. of Containers	pH	No. of Containers	pH	No. of Containers	pH	No. of Containers	pH	No. of Containers	pH
01	1	<2	1	<2					3	<2		
02	1	<2	1	<2					3	<2		
03			1	<2								
04			1	<2								
05			1	<2								

W:\Login\pH LOG SHEET REV 3.doc

SAMPLE RECEIPT CONFIRMATION SHEET

Client Information

SDG:	2506941	**Req:**	83010
Client:	CH2M Hill	**Project:**	TO-5 / AGVIQ (OU-2 Pilot Study)
Level:	4	**Date Rec'd:**	6/7/07 10:10:00 AM
Rec'd via:	Fed-Ex	**Due Date:**	06/21/07

Sample Verification

Samples/Cooler Secure?	Yes	**All Samples on COC accounted For?**	Yes
Temperature of Samples(Celsius)	4.0C	**All Samples Rec'd Intact?**	Yes
pH Verified?	Yes	**Sample Vol. Stuff. For Analysis?**	Yes
pH WNL?	Yes	**Samples Rec'd W/I Hold Time?**	Yes
Soil Origin (Domestic/Foreign):		**Are All Samples to be Analyzed?**	Yes
Site Location/Project on COC?	Yes	**Correct Sample Containers?**	Yes
Client Project # on COC?	Yes	**COC Comments written on COC?**	Yes
Project Mgr. Indicated on COC?	Yes	**Samplers Initials on COC?**	Yes
COC relinquished/Dated by Client?	Yes	**Sample Date/Time Indicated?**	Yes
COC Received/Dated by PEL?	Yes	**TAT Requested:**	STD
Specific Subcontract Indicated?	No	**Client Requests Verbal Results?**	No
Samples Received By	Fed-Ex	**Client Requests Faxed Results?**	No
PEL to Conduct ALL Analyses?	Yes		

Subcontract Analysis

Parameter	Due Date	Via	Lab Name	Comments

PEER REVIEW

Client: CH2M Hill

WONo: 2506941 **Profile Name:** NTC Orlando **Profile #:** 83010

MATRIX ***W***

Sample #	Parameter		Relinquished	Received	Date	Time
01 & 02	160.1	Total Dissolved Solids		ESD	6/11/07	14:00
01 & 02	160.1	Total Dissolved Solids	ESD		6/12/07	14:30
01 & 02	160.2	Total Suspended Solids				
01 & 02	160.2	Total Suspended Solids		N/A		
01 - 05	415.1	TOC(single)		ESD	6/21/07	12:40
01 - 05	415.1	TOC(single)	ESD		6/21/07	15:05
01 & 02	6010	Metals		BMD	06/09/07	1300
01 & 02	6010	Metals	N/A			
01 - 06	8260	Volatile Organic Compounds		MSD	6/5/07	10:00
01 - 06	8260	Volatile Organic Compounds		consumed		
01 - 05	300.1	Determination of Inorganic Anions by Ion Chromatography		ESD	6/19/07	15:30
01 - 05	300.1	Determination of Inorganic Anions by Ion Chromatography	ESD		6/20/07	13:35
01 - 05	310.1	Alkalinity (Total)		ESD	6/14/07	12:50
01 - 05	310.1	Alkalinity (Total)	ESD		6/14/07	16:55
01 & 02	FL-PRO	Petroleum Hydrocarbons		SL	6/11/07	9:54
01 & 02	FL-PRO	Petroleum Hydrocarbons		consumed		

Additional:

WONo: 2506941 **Profile Name:** NTC Orlando **Profile #:** 83010

Comments:

6-22-07

Addendum

250607 1420

Letter of Acceptance

Customer Name: CH2M Hill

Date and Time Received: 6/7/2007 10:10:00 AM

Date to be Reported: 6/20/2007

Laboratory Submission Number/SDG: 2506941

Get Detailed Analyte List here: www.pelab.com/webdms/Default.asp?LoaSDG=2506941

Project: NTC Orlando / TO-5

Samples: The submission consisted of 6 samples with sample identification shown in the attached data tables.

Tests: The Samples will be analyzed for EPA methods: 160.1, 160.2, 300.1, 310.1, 415.1, 6010, 8260, FL-PRO.

Sample Custody/COC discrepancies:

None.

Notes:

14-day TAT.

Distribution of Report to:

CH2M Hill
Attn: Kama White
Phone: W 770-604-9182
F 770-604-9282

Note: Submitted material will be retained for 30 days unless otherwise requested by client or consumed in analysis. PEL letters and reports are for the exclusive use of the client to whom they are addressed. Our letters and reports apply to the sample tested and are not necessarily indicative of the qualities of apparently identical or similar materials

Log-in Report

Level 4

Total of: 26 analyses on 6 samples (including QC) *08-Jun-07*

Report/SDG #: 2506941

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05MW43ABL	250694101	OLD-OU2-43A	W	6/6/2007 11:25:00 AM	6/7/2007 10:10:00 AM

Method		
160.1	Total Dissolved Solids	160.1
160.2	Total Suspended Solids	160.2
300.1	Determination of Inorganic Anions by Ion	300.1
310.1	Alkalinity (Total)	310.1
415.1	TOC(single)	415.1
6010	Metals	6010
8260	Volatile Organic Compounds	8260
FL-PRO	Petroleum Hydrocarbons	FL-PRO

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05MW43BBL	250694102	OLD-OU2-43B	W	6/6/2007 11:50:00 AM	6/7/2007 10:10:00 AM

Method		
160.1	Total Dissolved Solids	160.1
160.2	Total Suspended Solids	160.2
300.1	Determination of Inorganic Anions by Ion	300.1
310.1	Alkalinity (Total)	310.1
415.1	TOC(single)	415.1
6010	Metals	6010
8260	Volatile Organic Compounds	8260
FL-PRO	Petroleum Hydrocarbons	FL-PRO

Report/SDG #: 2506941

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05MW47BBL	250694103	OLD-OU2-47B	W	6/6/2007 3:45:00 PM	6/7/2007 10:10:00 AM

Method		
300.1	Determination of Inorganic Anions by Ion	300.1
310.1	Alkalinity (Total)	310.1
415.1	TOC(single)	415.1

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05FD01BL	250694104	Field Dupe	W	6/6/2007	6/7/2007 10:10:00 AM

Method		
300.1	Determination of Inorganic Anions by Ion	300.1
310.1	Alkalinity (Total)	310.1
415.1	TOC(single)	415.1

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05MW47ABL	250694105	OLD-OU2-47A	W	6/6/2007 4:45:00 PM	6/7/2007 10:10:00 AM

Method		
300.1	Determination of Inorganic Anions by Ion	300.1
310.1	Alkalinity (Total)	310.1
415.1	TOC(single)	415.1

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05TB1BL	250694106	Trip Blank	WQ	6/6/2007	6/7/2007 10:10:00 AM

Method		
8260	Volatile Organic Compounds	8260

Darcy Weisman

From: Darcy Weisman
Sent: Friday, June 08, 2007 3:14 PM
To: 'Sam.Naik@CH2M.com'; isaac.lynch@ch2m.com
Cc: bethany.garvey@ch2m.com
Subject: RE: NTC ORL / Bromide

Thank you. I will not report TSS.

-----Original Message-----
From: Sam.Naik@CH2M.com [mailto:Sam.Naik@CH2M.com]
Sent: Friday, June 08, 2007 3:04 PM
To: Darcy Weisman; isaac.lynch@ch2m.com
Cc: bethany.garvey@ch2m.com
Subject: RE: NTC ORL / Bromide

I think we can leave TSS out.
sam

From: Darcy Weisman [mailto:dweisman@PELAB.com]
Sent: Friday, June 08, 2007 2:48 PM
To: Lynch, Isaac/GNV
Cc: Garvey, Bethany/ATL; Naik, Sam/ATL
Subject: RE: NTC ORL / Bromide

Great. Thanks Isaac. Have a good weekend.

-----Original Message-----
From: Isaac.Lynch@CH2M.com [mailto:Isaac.Lynch@CH2M.com]
Sent: Friday, June 08, 2007 2:45 PM
To: Darcy Weisman
Cc: bethany.garvey@ch2m.com; sam.naik@ch2m.com
Subject: RE: NTC ORL / Bromide

Tss was omitted in the second sampling table I don't think we want it unless Sam or others say so..... its not in the workplan now.

Darcy attached is a copy of the COC's for today samples for your lab for Sat Del. the Fed EX tracking number is on the COC....
thanks
Isaac

From: Darcy Weisman [mailto:dweisman@PELAB.com]
Sent: Friday, June 08, 2007 2:00 PM
To: Garvey, Bethany/ATL
Cc: Lynch, Isaac/GNV; Naik, Sam/ATL
Subject: RE: NTC ORL / Bromide

TSS is not listed on the COC, however, it is in the bid. Please advise.

-----Original Message-----
From: Bethany.Garvey@CH2M.com [mailto:Bethany.Garvey@CH2M.com]
Sent: Thursday, June 07, 2007 1:34 PM
To: Darcy Weisman
Cc: isaac.lynch@ch2m.com; sam.naik@ch2m.com
Subject: RE: NTC ORL / Bromide

Florida does not list a GCTL for bromide. Please use the laboratory reporting limit.

From: Darcy Weisman [mailto:dweisman@PELAB.com]
Sent: Thursday, June 07, 2007 1:23 PM
To: Garvey, Bethany/ATL
Cc: Lynch, Isaac/GNV; Naik, Sam/ATL
Subject: RE: NTC ORL / Bromide

RL?

> -----Original Message-----
> From: Bethany.Garvey@CH2M.com [mailto:Bethany.Garvey@CH2M.com]
> Sent: Thursday, June 07, 2007 1:09 PM
> To: Darcy Weisman
> Cc: isaac.lynch@ch2m.com; sam.naik@ch2m.com
> Subject: RE: NTC ORL / Bromide
>
> Darcy,
>
> Please add bromide to the list of analyses for TO-5 water samples and provide a cost for 14-day TAT. The sampling table I had listed bromide as a field test but I've confirmed that we will need PEL to analyze for bromide (method 300).
>
> Let me know if there are any other questions.
>
> Thanks,
> Bethany
>
> ---
>
> From: Darcy Weisman [mailto:dweisman@PELAB.com]
> Sent: Thursday, June 07, 2007 11:54 AM
> To: Garvey, Bethany/ATL
> Subject: NTC ORL / Bromide
> Importance: High
>
> We received NTC Orlando today. Bromide is listed on the COC (see attached) but was not in the bid. Please advise.
>
> Please note that my extension number has changed to ext. 3.
>
> Darcy Weisman
> Project Manager
> PEL Laboratories, Inc.
> phone: 813-247-2805 ext. 3
> fax: 813-248-1537 or 813-247-3627
> email: dweisman@pelab.com
> Visit our website at www.pelab.com
>
> This e-mail is intended for the named addressee(s) and may contain information that is confidential and proprietary. If this

information is received by anyone other than the named addressee(s), the recipient(s) should immediately notify the sender by e-mail and promptly delete the transmitted material. In no event shall this material be read, used, stored, or retained by anyone other than the named addressee(s) without the express written consent of the sender or the named addressee(s).

Darcy Weisman

From: Darcy Weisman
Sent: Tuesday, June 19, 2007 11:20 AM
To: 'Bethany.Garvey@CH2M.com'
Subject: FW: Dilution for 2506941 (NTC-Orlando)

Good afternoon.

-----Original Message-----
From: Marcell Stephens
Sent: Tuesday, June 19, 2007 11:04 AM
To: Lisa Pelo; Project Managers
Subject: Dilution for 2506941 (NTC-Orlando)

Please notify the project manager of the following;

sample 250694102 (TO05MW43BBL) required a 1:5 and a 1:100 dilution for TCE. Both dilutions are reported. No 1:1 run was ran to to high concentration of TCE. (3,400ug/L).

THANXS MARCELL

Darcy Weisman

From: Bethany.Garvey@CH2M.com
Sent: Thursday, June 21, 2007 5:01 PM
To: Darcy Weisman
Subject: RE: NTC Orlando 2506941 and 2506964

Darcy,

I've spoken to Camden and she has advised that the department needs to reanalyze these samples for Bromide.

Thanks,
Bethany

From: Darcy Weisman [mailto:dweisman@PELAB.com]
Sent: Thursday, June 21, 2007 4:45 PM
To: Garvey, Bethany/ATL
Subject: FW: NTC Orlando 2506941 and 2506964

Please advise.

-----Original Message-----
From: Mark Gudnason
Sent: Thursday, June 21, 2007 4:15 PM
To: Project Managers
Subject: NTC Orlando 2506941 and 2506964

Please contact the client.
We know the RT shift is due to the change in room temperature. The CCV RT was just outside the RT window.

Please advise.

> -----Original Message-----
> From: Eric BattistaWCH
> Sent: Thursday, June 21, 2007 2:51 PM
> To: Brian Spann; L3Team; SemiVols
> Subject: RE: L3 UPDATE - Thursday
>
> 2506941 - 300.1 sequence needs to be reanalyzed to the RT shift. CCVs failed for Bromide due to the temperature change over the course of the sequence.
> 2506964 - 300.1 sequence needs to be reanalyzed to the RT shift. CCVs failed for Bromide due to the temperature change over the course of the sequence.

Appendix

250607 1420

Raw Data Method 8260

MJS

IC9L - 5/22/07

Vm503 8260 (H2O) (M30522070) 5/22/07 Auto IS - H2O Path

20 Path

lient

al - QC

File	STD/Surr/IS#	Amount	Client
BFB31	18690, 18693	50ng	Pal-QC
300 ppt	18483, 18487, 18490, 18492	300 ppt	
500 ppt		500 ppt	
1 ppb		1 ppb	
2 ppb		2 ppb	
5 ppb		5 ppb	
10 ppb		10 ppb	
20 ppb		20 ppb	
50 ppb		50 ppb	
60 ppb		60 ppb	
80 ppb		80 ppb	
SEC 31	18484, 18489, 18491, 18493	50 ppb	
SEC 32		50 ppb	

k & Vazteh)

Pal-QC

Reviewed

by MJS

5/22/07

MS) 148 IGAL-512210+

Vm-03 8260 (H2O) (M3061407) 6/14/07 Auto IS- H2O Path

vial	File	STD/Sum IS#5	Amount	Client
	BFB31	18690, 18693	50ng	P&1.QC
	50CW31	18483, 19292 / 18490, 18492	50ppb	
	50CW32	18484, 19293 / 18491, 18493	20ppb	
	CC532			
2,7,8	95502(MS)			
	95503(SD)			
	TBIK32		(TCIP) .5ml/5ml	
	BIK32		5ml/5	
3	95501			(NAS-Key West)
1	04			
1	05			
1	06			
1	97708			(P1t.6)
—	97401		(TCIP) .5ml/5ml	(F.18 CrashSite)
—	02		(TCIP) .5ml/5ml	
4	97701		5ml/5	(P1t.6)
3	02			
3	03			
1	04			
2	05			
3	06			
2	07			
4	94101			(NTC.Orlando)
1	06			
2	02D 1/100			
2	02 1/5			

Raviel Symbol 6/15/07

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18483	8260_Main Mix_P			11/10/2007	50 ML	5/10/2007	mstephens

1000 UG/ML: 1,4 Dioxane, Ethanol, Isobutyl alcohol
50 UG/ML: 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB), 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichloro-2-butene, 1,4-Dichlorobenzene, 1-Chlorohexane, 2,2-Dichloropropane, 2-Chlorotoluene, 4-Chlorotoluene, 4-Isopropyltoluene, Allyl chloride, Benzene, Benzyl chloride, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloroprene, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Cyclohexane, Dibromochloromethane, Dibromomethane, Ethyl methacrylate, Ethylbenzene, Fluorobenzene, Hexachlorobutadiene, Isopropylbenzene (Cumene), Methyl Acetate, Methyl Cyclohexane, Methyl methacrylate, Methylene chloride, Naphthalene, n-Butylbenzene, n-Propylbenzene, o-Xylene, p,m-Xylene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene
500 UG/ML: Acetonitrile, Methacrylonitrile, Propionitrile

COMPOSED OF:

18469: 1.25 ML 18470: 1.25 ML 18471: 1.25 ML 18472: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18484	8260_Main Mix_S			11/10/2007	50 ML	5/10/2007	mstephens

1000 UG/ML: 1,4 Dioxane, Ethanol, Isobutyl alcohol
50 UG/ML: 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB), 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichloro-2-butene, 1,4-Dichlorobenzene, 1-Chlorohexane, 2,2-Dichloropropane, 2-Chlorotoluene, 4-Chlorotoluene, 4-Isopropyltoluene, Allyl chloride, Benzene, Benzyl chloride, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloroprene, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Cyclohexane, Dibromochloromethane, Dibromomethane, Ethyl methacrylate, Ethylbenzene, Fluorobenzene, Hexachlorobutadiene, Isopropylbenzene (Cumene), Methyl Acetate, Methyl Cyclohexane, Methyl methacrylate, Methylene chloride, Naphthalene, n-Butylbenzene, n-Propylbenzene, o-Xylene, p,m-Xylene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene
500 UG/ML: Acetonitrile, Methacrylonitrile, Propionitrile

COMPOSED OF:

18476: 1.25 ML 18478: 1.25 ML 18481: 1.25 ML 18482: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18487	8260_Add ons_P			8/28/2007	50 ML	5/10/2007	mstephens

100 UG/ML: 2-Nitropropane, Ethyl acetate, Tetrahydrofuran
50 UG/ML: Carbon disulfide, Ethyl Ether, Isopropyl Ether, Methyl iodide, MTBE, Vinyl acetate
500 UG/ML: Cyclohexanone, t-Butanol

STANDARDS LOG

COMPOSED OF:

17299: 1.25 ML 18474: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18489	8260_Add ons_S			6/14/2007	50 ML	5/10/2007	mstephens

100 UG/ML: 2-Nitropropane, Ethyl acetate, Tetrahydrofuran
50 UG/ML: Carbon disulfide, ethyl tert-butyl ether, Isopropyl Ether, Methyl iodide, MTBE, Vinyl acetate
500 UG/ML: Cyclohexanone

COMPOSED OF:

16071: 1.25 ML 17298: 1.25 ML 18479: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18490	8260_Ketones_+_P			6/27/2007	50 ML	5/10/2007	mstephens

100 UG/ML: 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acrolein, Acrylonitrile

COMPOSED OF:

18473: 0.5 ML 18475: 0.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18491	8260_Ketones_+_S			6/27/2007	50 ML	5/10/2007	mstephens

100 UG/ML: 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acrolein, Acrylonitrile

COMPOSED OF:

18477: 0.5 ML 18480: 0.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18492	8260_Gases_P			11/10/2007	50 ML	5/10/2007	mstephens

50 UG/ML: 1,1,2-Trichlorotrifluoroethane, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, Trichlorofluoromethane, Vinyl chloride

COMPOSED OF:

16392: 1.25 ML 17026: 1.25 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18493	8260_Gases_S			11/10/2007	50 ML	5/10/2007	mstephens

50 UG/ML: 1,1,2-Trichlorotrifluoroethane, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, Trichlorofluoromethane, Vinyl chloride

COMPOSED OF:

16389: 1.25 ML 16825: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18690	8260_INT_SURR			11/21/2007	100 ML	5/21/2007	mstephens

25.1 UG/ML: 1,2-Dichloroethane-d4, 4-Bromofluorobenzene, Dibromofluoromethane, Toluene d8

COMPOSED OF:

18678: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18693	8260_INT_IS			12/21/2007	100 ML	5/21/2007	mstephens

250 UG/ML: 1,4-Dichlorobenzene-d4, Chlorobenzene d5, Fluorobenzene

COMPOSED OF:

16403: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19292	8260_Add ons_P			12/1/2007	50 ML	6/14/2007	mstephens

100 UG/ML: 2-Nitropropane, Ethyl acetate, Tetrahydrofuran
50 UG/ML: Carbon disulfide, Ethyl Ether, Isopropyl Ether, Methyl iodide, MTBE, Vinyl acetate
500 UG/ML: Cyclohexanone, t-Butanol

COMPOSED OF:

19134: 1.25 ML 19281: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19293	8260_Add ons_S			12/1/2007	50 ML	6/14/2007	mstephens

100 UG/ML: 2-Nitropropane, Ethyl acetate, Tetrahydrofuran
50 UG/ML: Carbon disulfide, ethyl tert-butyl ether, Isopropyl Ether, Methyl iodide, MTBE, Vinyl acetate
500 UG/ML: Cyclohexanone

STANDARDS LOG

COMPOSED OF:

17298: 1.25 ML 19135: 1.25 ML 19286: 1.25 ML

PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3052207C.b\BFB31.D
Lab Smp Id: 052207BFBA31 Client Smp ID: 052207BFBA31
Inj Date : 22-MAY-2007 05:14
Operator : Inst ID: vms03.i
Smp Info : 052207BFBA31
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3052207C.b\BFBE.m
Meth Date : 18-Jun-2007 14:12 lpelo Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: VOLS11

Concentration Formula: Amt * DF * CpndVariable
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 #: 74-83-9		
7.233	7.500	-0.267	95	54218			0.00- 100.00	100.00
7.233	7.500	-0.267	50	10223			15.00- 40.00	18.86
7.233	7.500	-0.267	75	25672			30.00- 60.00	47.35
7.233	7.500	-0.267	96	3060			5.00- 9.00	5.64
7.233	7.500	-0.267	173	0	0.0	0.0	0.00- 2.00	0.00
7.233	7.500	-0.267	174	40794			50.00- 100.00	75.24
7.233	7.500	-0.267	175	3332			5.00- 9.00	8.17
7.233	7.500	-0.267	176	40328			95.00- 101.00	98.86
7.233	7.500	-0.267	177	2720			5.00- 9.00	6.74

Data File: \\VMS03\DD\chem\vms03.i\M3052207C.b\BFB31.D

Date : 22-MAY-2007 05:14

Client ID: 052207BFBA31

Instrument: vms03.i

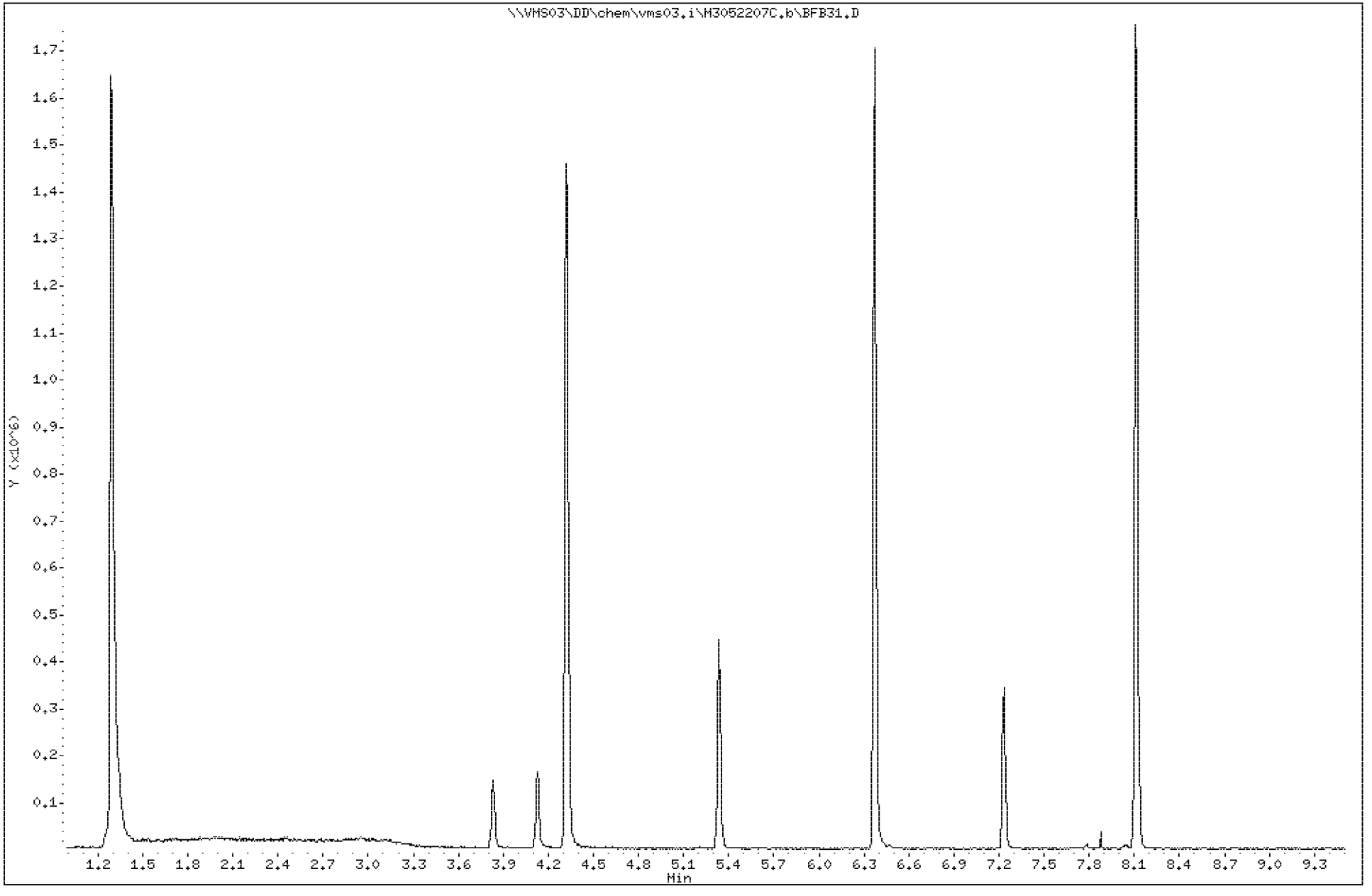
Sample Info: 052207BFBA31

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



Data File: \\VMS03\DD\chem\vms03.i\M3052207C.b\BFB31.D

Date : 22-MAY-2007 05:14

Client ID: 052207BFBA31

Instrument: vms03.i

Sample Info: 052207BFBA31

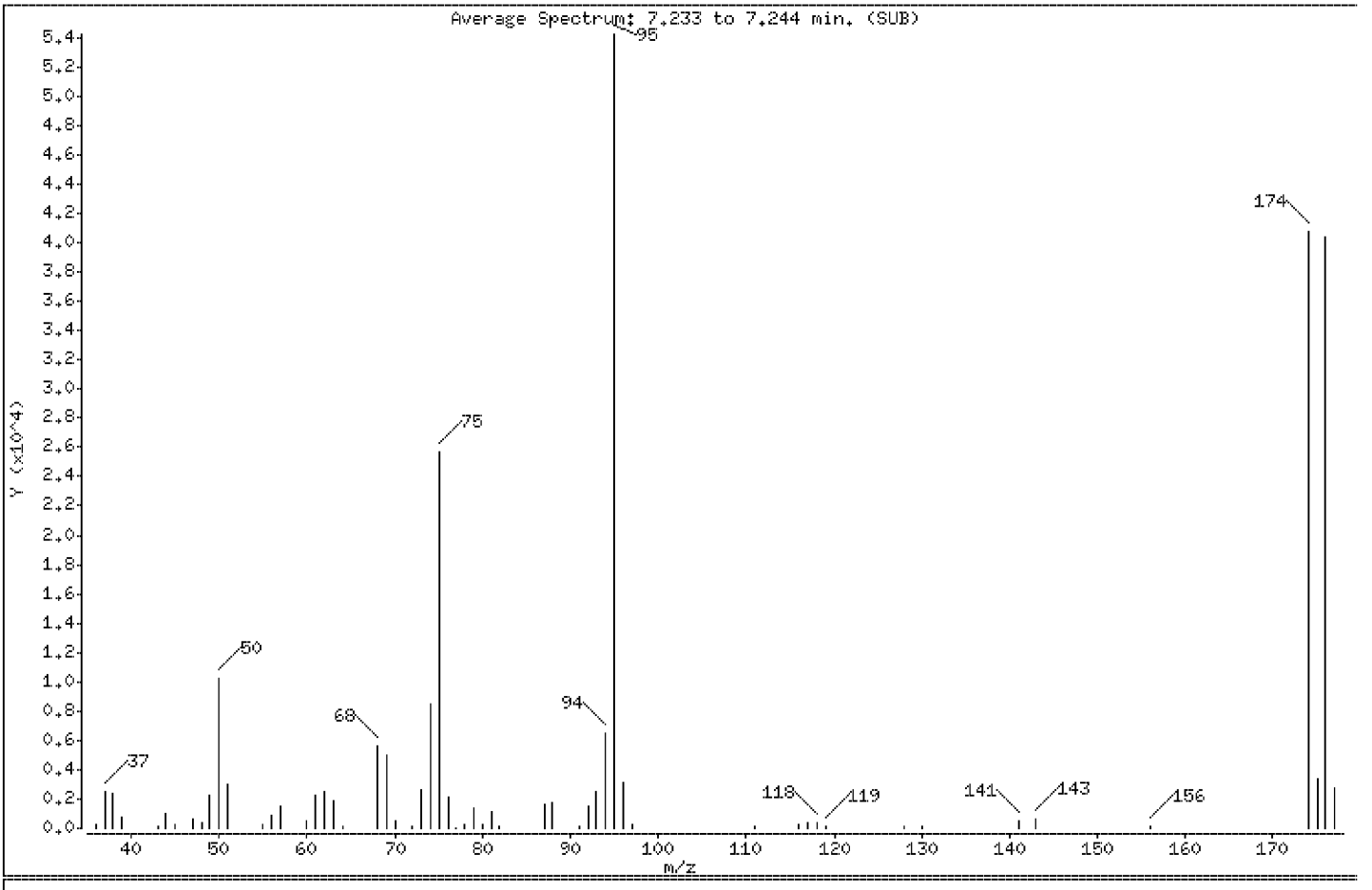
Purge Volume: 5.0

Operator:

Column phase: DB-624

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	18.86
75	30.00 - 60.00% of mass 95	47.35
96	5.00 - 9.00% of mass 95	5.64
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	75.24
175	5.00 - 9.00% of mass 174	6.15 (8.17)
176	95.00 - 101.00% of mass 174	74.38 (98.86)
177	5.00 - 9.00% of mass 176	5.02 (6.74)

Data File: \\VMS03\DD\chem\vms03.i\M3052207C.b\BFB31.D

Date : 22-MAY-2007 05:14

Client ID: 052207BFBA31 Instrument: vms03.i

Sample Info: 052207BFBA31

Purge Volume: 5.0 Operator:

Column phase: DB-624 Column diameter: 0.18

Data File: BFB31.D
Spectrum: Average Spectrum: 7.233 to 7.244 min. (SUB)
Location of Maximum: 95.00
Number of points: 57

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	301	60.00	456	79.00	1398	117.00	312
37.00	2496	61.00	2243	80.00	289	118.00	332
38.00	2388	62.00	2521	81.00	1129	119.00	97
39.00	720	63.00	1822	82.00	155	128.00	87
43.00	124	64.00	110	87.00	1565	130.00	87
44.00	943	68.00	5550	88.00	1688	141.00	515
45.00	264	69.00	4936	91.00	137	143.00	587
47.00	632	70.00	453	92.00	1514	156.00	88
48.00	362	72.00	162	93.00	2533	174.00	40792
49.00	2230	73.00	2633	94.00	6442	175.00	3332
50.00	10223	74.00	8527	95.00	54216	176.00	40328
51.00	3042	75.00	25672	96.00	3060	177.00	2720
55.00	208	76.00	2086	97.00	203		
56.00	862	77.00	16	111.00	84		
57.00	1442	78.00	291	116.00	190		

PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3052207C.b\1PPB.D
Lab Smp Id: 1PPBCAL Client Smp ID: 1PPBCAL
Inj Date : 22-MAY-2007 06:22
Operator : Inst ID: vms03.i
Smp Info : 1PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3052207C.b\8260A.m
Meth Date : 18-Jun-2007 14:11 lpelo Quant Type: ISTD
Cal Date : 17-MAY-2007 11:30 Cal File: 1PPB.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				13731	2.00000	(a)
M 2 Xylenes (Total)	100				44230	3.00000	(a)
M 3 Trihalomethanes (Total)	100				26559	1.00000	(a)
4 Dichlorodifluoromethane	85	1.458	1.455	(0.196)	6206	1.00000	0.91(a)
5 Chloromethane	50	1.667	1.662	(0.224)	8993	1.00000	1.1
6 Vinyl Chloride	62	1.769	1.760	(0.238)	6858	1.00000	1.1
7 Bromomethane	96	2.189	2.181	(0.295)	3791	1.00000	1.0(aq)
8 Chloroethane	64	2.282	2.273	(0.307)	4773	1.00000	1.1(Tq)
9 Trichlorofluoromethane	101	2.534	2.525	(0.341)	8486	1.00000	0.88(a)
11 1,1,2 Trichlorotrifluoromethan	101	3.048	3.053	(0.410)	4177	1.00000	0.78(Ta)
13 1,1-Dichloroethene	61	3.284	3.264	(0.442)	9165	1.00000	0.98(a)
109 t-Butyl-Alcohol	59	3.400	3.391	(0.458)	5939	10.0000	8.5(q)
14 Acetonitrile	41	3.467	3.456	(0.467)	11857	10.0000	11.8(q)
15 Iodomethane	142	3.686	3.685	(0.496)	6597	1.00000	0.84(a)
16 Methyl Acetate	43	3.766	3.744	(0.507)	6313	1.00000	1.1
17 Allyl Chloride	41	3.771	3.764	(0.507)	7623	1.00000	0.95(q)
18 Carbon Disulfide	76	3.923	3.921	(0.528)	17388	1.00000	1.0
19 Methylene Chloride	49	3.974	3.982	(0.535)	9288	1.00000	1.1(a)
20 Acrylonitrile	53	4.189	4.171	(0.564)	5798	2.00000	2.0
21 Methyl-tert-butyl ether	73	4.226	4.219	(0.569)	16453	1.00000	0.96(a)
22 trans 1,2-Dichloroethene	61	4.407	4.404	(0.593)	8313	1.00000	0.99(a)
23 1,1-Dichloroethane	63	5.078	5.069	(0.683)	10022	1.00000	0.97(a)
24 Vinyl Acetate	43	5.135	5.127	(0.691)	10101	1.00000	1.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	25 Chloroprene	53	5.218	5.202	(0.702)	9667	1.00000	0.96
	26 2-Butanone	43	5.752	5.730	(0.774)	6855	2.00000	2.0(a)
	27 Propionitrile	54	5.845	5.828	(0.787)	10802	10.0000	9.7
	28 2,2-Dichloropropane	77	5.881	5.877	(0.791)	4936	1.00000	1.1
	29 cis-1,2-Dichloroethene	96	5.949	5.939	(0.800)	5418	1.00000	0.95(aq)
	30 Methyacrylonitrile	67	6.096	6.089	(0.820)	25176	10.0000	9.3
	31 Isobutyl Alcohol	43	6.177	6.156	(0.831)	5416	20.0000	22.9(Tq)
	32 Chloroform	83	6.160	6.153	(0.829)	10795	1.00000	1.0
	33 Bromochloromethane	49	6.357	6.355	(0.855)	5650	1.00000	1.0
	35 1,1,1-Trichloroethane	97	6.655	6.653	(0.896)	8452	1.00000	1.0(q)
	36 Cyclohexane	56	6.666	6.655	(0.897)	10112	1.00000	1.0(a)
	37 1,1-Dichloropropene	75	6.854	6.850	(0.922)	7652	1.00000	1.0
	38 Carbon tetrachloride	117	6.961	6.957	(0.937)	6230	1.00000	1.1
	40 1,2-Dichloroethane	62	7.167	7.164	(0.964)	10578	1.00000	1.0
	41 Benzene	78	7.170	7.165	(0.965)	22452	1.00000	1.0
*	42 FLUOROBENZENE (IS)	96	7.432	7.429	(1.000)	980328	50.0000	
	43 Trichloroethylene	130	7.878	7.877	(1.060)	5499	1.00000	0.99(a)
	44 Methyl Cyclohexane	55	7.934	7.935	(1.068)	6620	1.00000	0.92(a)
	45 1,2-Dichloropropane	63	8.078	8.079	(1.087)	6519	1.00000	1.1
	46 Methyl Methacrylate	69	8.186	8.177	(1.102)	3855	1.00000	0.98
	47 Bromodichloromethane	83	8.333	8.332	(1.121)	7999	1.00000	1.0
	48 1,4 Dioxane	88	8.384	8.374	(1.128)	673	20.0000	10.2(Taq)
	49 Dibromomethane	93	8.392	8.383	(1.129)	3464	1.00000	0.88(a)
	50 4-Methyl-2-Pentanone	43	8.731	8.721	(0.664)	12833	2.00000	1.9(aM)
	51 2-Hexanone	43	9.638	9.631	(0.899)	8798	2.00000	1.8(a)
	52 cis 1,3-Dichloropropene	75	8.928	8.926	(1.201)	8127	1.00000	0.90(a)
	54 Toluene	92	9.256	9.254	(1.245)	13711	1.00000	0.98(a)
	55 trans 1,3-Dichloropropene	75	9.457	9.455	(1.273)	7474	1.00000	0.92(a)
	56 Ethyl Methacrylate	69	9.458	9.456	(1.273)	6640	1.00000	0.94(a)
	57 1,1,2-Trichloroethane	97	9.614	9.612	(1.294)	5204	1.00000	0.97(a)
	58 1,3-Dichloropropane	76	9.872	9.872	(0.920)	9934	1.00000	1.1
	59 Tetrachloroethylene	164	9.927	9.926	(0.925)	5086	1.00000	1.1(q)
	60 Dibromochloromethane	129	10.132	10.135	(0.945)	4633	1.00000	0.90(a)
	61 1,2-Dibromoethane	107	10.339	10.338	(0.964)	5105	1.00000	0.95(a)
	62 1-Chlorohexane	91	10.510	10.511	(0.980)	6947	1.00000	1.1
*	63 CHLOROBENZENE d5 (IS)	117	10.727	10.726	(1.000)	695652	50.0000	
	64 Chlorobenzene	112	10.766	10.765	(1.004)	15419	1.00000	1.00
	65 1,1,1,2-Tetrachloroethane	131	10.810	10.811	(1.008)	4237	1.00000	0.95(aq)
	66 Ethylbenzene	106	10.820	10.820	(1.009)	8504	1.00000	1.1
	67 p,m-Xylene	106	10.898	10.897	(1.016)	20579	2.00000	2.0
	68 o-Xylene	91	11.339	11.335	(1.057)	23651	1.00000	0.97(aq)
	69 Styrene	104	11.374	11.374	(1.060)	15286	1.00000	0.91(a)
	70 Bromoform	173	11.720	11.715	(1.093)	3132	1.00000	0.91(a)
	71 1-Methylethylbenzene	105	11.701	11.700	(0.890)	25263	1.00000	0.99(a)
	73 1,1,2,2-Tetrachloroethane	83	11.879	11.876	(0.904)	6332	1.00000	0.92(a)
	75 1,2,3- trichloropropane	110	12.022	12.023	(0.915)	2201	1.00000	0.89(a)
	76 n-Propylbenzene	91	12.105	12.104	(0.921)	30183	1.00000	0.93(a)
	77 Bromobenzene	77	12.147	12.147	(0.924)	12464	1.00000	1.0
	78 1,3,5-Trimethylbenzene	105	12.261	12.263	(0.933)	22807	1.00000	0.99(a)
	79 2-Chlorotoluene	91	12.284	12.283	(0.934)	24966	1.00000	1.1
	80 4-Chlorotoluene	91	12.329	12.330	(0.938)	21746	1.00000	0.98(a)
	81 tert-Butylbenzene	119	12.622	12.622	(0.960)	21158	1.00000	1.0
	82 1,2,4-trimethylbenzene	105	12.660	12.658	(0.963)	22035	1.00000	0.95(a)
	83 sec-Butylbenzene	105	12.834	12.835	(0.976)	24527	1.00000	0.95(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
84 p-Isopropyltoluene	119	12.974	12.972	(0.987)	20593	1.00000	0.92(a)
85 1,3-Dichlorobenzene	146	13.069	13.070	(0.994)	11045	1.00000	0.92(a)
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.145	13.145	(1.000)	377517	50.0000	(q)
87 1,4-Dichlorobenzene	146	13.180	13.177	(1.003)	12518	1.00000	1.0
88 Benzyl Chloride	91	13.295	13.295	(1.011)	7118	1.00000	1.0
89 n-Butylbenzene	91	13.385	13.384	(1.018)	17899	1.00000	0.92(a)
90 1,2-Dichlorobenzene	146	13.554	13.550	(1.031)	12207	1.00000	1.0
91 1,2-dibromo-3-chloropropane	75	14.303	14.304	(1.088)	1074	1.00000	0.88(a)
92 1,2,4-Trichlorobenzene	180	15.006	14.998	(1.141)	6587	1.00000	1.0
93 Hexachlorobutadiene	223	15.112	15.098	(1.150)	1853	1.00000	1.0
94 Naphthalene	128	15.199	15.187	(1.156)	14124	1.00000	0.85(a)
95 1,2,3-trichlorobenzene	180	15.374	15.360	(1.170)	6055	1.00000	1.0
103 Isopropyl Ether	45	4.966	4.961	(0.668)	20345	1.00000	1.0
104 Ethyl acetate	43	6.001	5.987	(0.807)	13715	2.00000	2.1
105 Cyclohexanone	55	11.764	11.760	(1.097)	7808	10.0000	8.8
106 Ethyl ether	59	2.860	2.852	(0.385)	4943	1.00000	0.93(aq)
107 2-Nitropropane	43	8.431	8.428	(1.135)	3180	2.00000	2.2(a)
108 Tetrahydrofuran	42	6.440	6.417	(0.867)	7250	2.00000	3.0(aM)
112 2-Cleve	63	8.695	8.691	(1.170)	5970	2.00000	1.8(Taq)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 1PPB.D
Lab Smp Id: 1PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3052207C.b\8260A.m
Misc Info:

Calibration Date: 22-MAY-2007
Calibration Time: 08:17
Client Smp ID: 1PPBCAL
Level: LOW
Sample Type: WATER

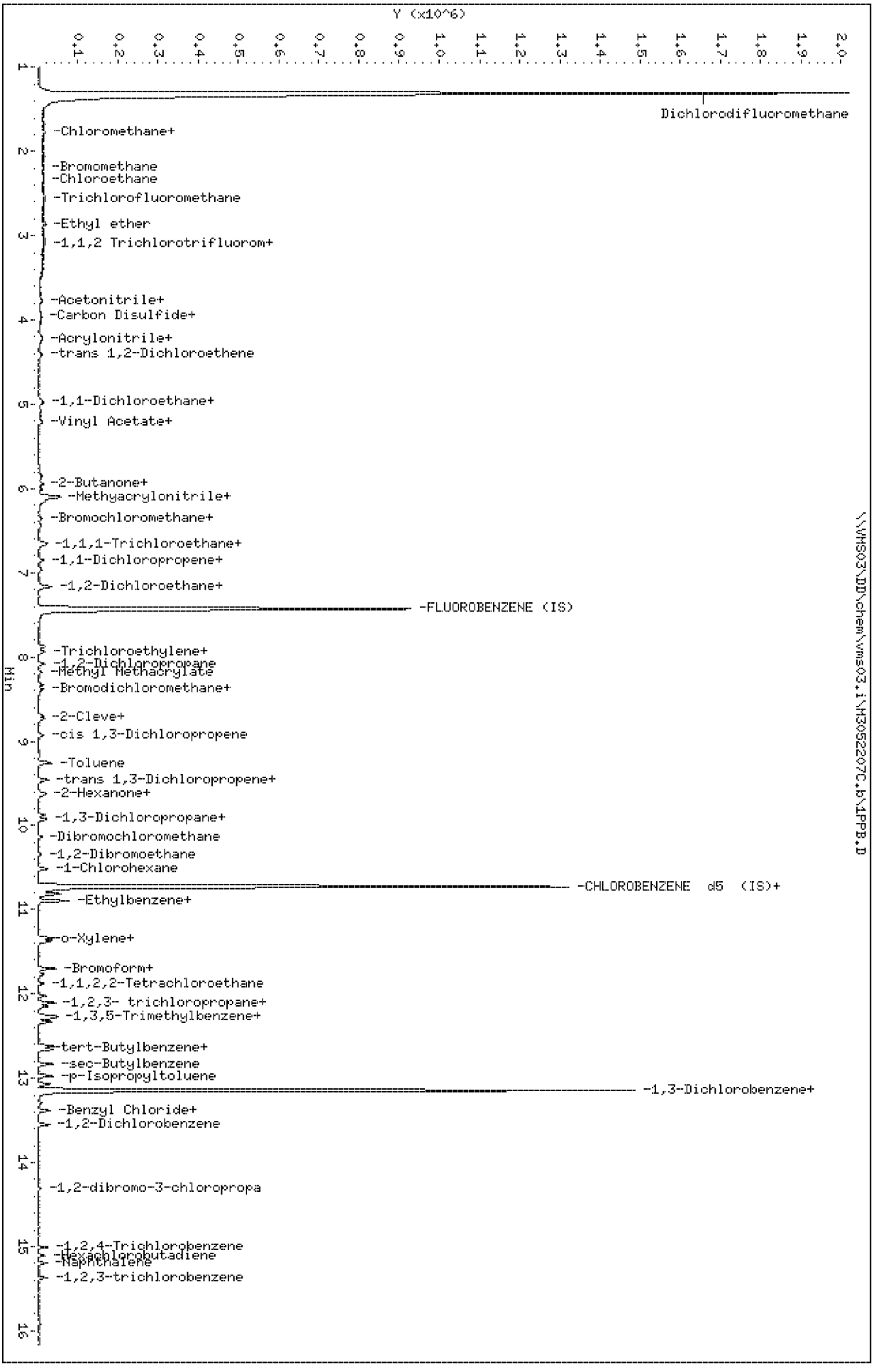
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	989333	494667	1978666	980328	-0.91
63 CHLOROBENZENE d5	712434	356217	1424868	695652	-2.36
86 1,4-DICHLOROBENZE	411829	205915	823658	377517	-8.33

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.03
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	0.01
86 1,4-DICHLOROBENZE	13.15	12.65	13.65	13.15	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3052207C.b\1PPB.D
Date : 22-MAY-2007 06:22
Client ID: 1PPBCAL
Sample Info: 1PPBCAL
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3052207C.b\2PPB.D
Lab Smp Id: 2PPBCAL Client Smp ID: 2PPBCAL
Inj Date : 22-MAY-2007 06:45
Operator : Inst ID: vms03.i
Smp Info : 2PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3052207C.b\8260A.m
Meth Date : 18-Jun-2007 14:11 lpelo Quant Type: ISTD
Cal Date : 17-MAY-2007 11:30 Cal File: 1PPB.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				27761	4.00000	(a)
M 2 Xylenes (Total)	100				93661	6.00000	(a)
M 3 Trihalomethanes (Total)	100				53522	2.00000	(a)
4 Dichlorodifluoromethane	85	1.456	1.455	(0.196)	13957	2.00000	2.0
5 Chloromethane	50	1.656	1.662	(0.223)	14236	2.00000	1.8
6 Vinyl Chloride	62	1.762	1.760	(0.237)	13084	2.00000	2.3
7 Bromomethane	96	2.186	2.181	(0.294)	7700	2.00000	2.1(q)
8 Chloroethane	64	2.270	2.273	(0.306)	8815	2.00000	2.2
9 Trichlorofluoromethane	101	2.529	2.525	(0.340)	19825	2.00000	2.0
10 Acrolein	56	3.026	3.011	(0.407)	4226	4.00000	3.7
11 1,1,2 Trichlorotrifluoromethan	101	3.055	3.053	(0.411)	10302	2.00000	1.8(a)
12 Acetone	43	3.102	3.099	(0.417)	12957	4.00000	4.7(a)
13 1,1-Dichloroethene	61	3.259	3.264	(0.439)	19536	2.00000	2.1
109 t-Butyl-Alcohol	59	3.393	3.391	(0.457)	12600	20.0000	16.9
14 Acetonitrile	41	3.461	3.456	(0.466)	20790	20.0000	21.7(q)
15 Iodomethane	142	3.680	3.685	(0.495)	17040	2.00000	2.1
16 Methyl Acetate	43	3.749	3.744	(0.505)	11075	2.00000	2.0(T)
17 Allyl Chloride	41	3.764	3.764	(0.506)	15055	2.00000	1.8(q)
18 Carbon Disulfide	76	3.920	3.921	(0.528)	32129	2.00000	1.9
19 Methylene Chloride	49	3.972	3.982	(0.534)	17180	2.00000	2.0
20 Acrylonitrile	53	4.181	4.171	(0.563)	10867	4.00000	3.7
21 Methyl-tert-butyl ether	73	4.226	4.219	(0.569)	31246	2.00000	1.7
22 trans 1,2-Dichloroethene	61	4.406	4.404	(0.593)	16525	2.00000	1.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	5.073	5.069	(0.683)	20831	2.00000	2.0
	24 Vinyl Acetate	43	5.136	5.127	(0.691)	18376	2.00000	2.1
	25 Chloroprene	53	5.202	5.202	(0.700)	20328	2.00000	2.0
	26 2-Butanone	43	5.737	5.730	(0.772)	14251	4.00000	4.3(a)
	27 Propionitrile	54	5.838	5.828	(0.786)	21983	20.0000	19.6
	28 2,2-Dichloropropane	77	5.882	5.877	(0.791)	9415	2.00000	2.0
	29 cis-1,2-Dichloroethene	96	5.944	5.939	(0.800)	11236	2.00000	1.9
	30 Methyacrylonitrile	67	6.095	6.089	(0.820)	55623	20.0000	20.2
	31 Isobutyl Alcohol	43	6.178	6.156	(0.831)	9425	40.0000	41.1(TQ)
	32 Chloroform	83	6.153	6.153	(0.828)	21772	2.00000	2.0
	33 Bromochloromethane	49	6.357	6.355	(0.855)	11552	2.00000	2.1
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.433	6.433	(0.866)	12894	2.00000	2.5
	35 1,1,1-Trichloroethane	97	6.648	6.653	(0.895)	17551	2.00000	2.1
	36 Cyclohexane	56	6.657	6.655	(0.896)	19606	2.00000	2.0(a)
	37 1,1-Dichloropropene	75	6.852	6.850	(0.922)	14550	2.00000	1.9
	38 Carbon tetrachloride	117	6.960	6.957	(0.937)	10946	2.00000	1.9
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.050	7.053	(0.949)	2443	2.00000	2.0(Q)
	40 1,2-Dichloroethane	62	7.167	7.164	(0.964)	19419	2.00000	1.9
	41 Benzene	78	7.169	7.165	(0.965)	41948	2.00000	2.0
*	42 FLUOROBENZENE (IS)	96	7.432	7.429	(1.000)	984359	50.0000	
	43 Trichloroethylene	130	7.880	7.877	(1.060)	10966	2.00000	1.9
	44 Methyl Cyclohexane	55	7.939	7.935	(1.068)	14411	2.00000	1.9(a)
	45 1,2-Dichloropropane	63	8.082	8.079	(1.087)	11941	2.00000	2.0
	46 Methyl Methacrylate	69	8.178	8.177	(1.100)	7679	2.00000	1.9
	47 Bromodichloromethane	83	8.331	8.332	(1.121)	15265	2.00000	1.9
	48 1,4 Dioxane	88	8.384	8.374	(1.128)	2605	40.0000	39.1(Q)
	49 Dibromomethane	93	8.382	8.383	(1.128)	8076	2.00000	2.0
	50 4-Methyl-2-Pentanone	43	8.726	8.721	(0.664)	25144	4.00000	3.3(a)
	51 2-Hexanone	43	9.638	9.631	(0.899)	19368	4.00000	3.7(a)
	52 cis 1,3-Dichloropropene	75	8.929	8.926	(1.202)	17368	2.00000	1.8
$	53 TOLUENE d8 (surr)	98	9.173	9.172	(1.234)	46840	2.00000	2.4
	54 Toluene	92	9.259	9.254	(1.246)	27765	2.00000	2.0
	55 trans 1,3-Dichloropropene	75	9.458	9.455	(1.273)	15252	2.00000	1.8
	56 Ethyl Methacrylate	69	9.458	9.456	(1.273)	13459	2.00000	1.8
	57 1,1,2-Trichloroethane	97	9.617	9.612	(1.294)	10316	2.00000	1.9
	58 1,3-Dichloropropane	76	9.874	9.872	(0.921)	18438	2.00000	1.9
	59 Tetrachloroethylene	164	9.926	9.926	(0.925)	8893	2.00000	2.0
	60 Dibromochloromethane	129	10.133	10.135	(0.945)	10200	2.00000	1.9
	61 1,2-Dibromoethane	107	10.340	10.338	(0.964)	9663	2.00000	1.7
	62 1-Chlorohexane	91	10.511	10.511	(0.980)	12841	2.00000	1.9
*	63 CHLOROBENZENE d5 (IS)	117	10.726	10.726	(1.000)	709120	50.0000	
	64 Chlorobenzene	112	10.765	10.765	(1.004)	32059	2.00000	2.0
	65 1,1,1,2-Tetrachloroethane	131	10.810	10.811	(1.008)	8864	2.00000	1.9(q)
	66 Ethylbenzene	106	10.820	10.820	(1.009)	16287	2.00000	2.0
	67 p,m-Xylene	106	10.898	10.897	(1.016)	42621	4.00000	4.0
	68 o-Xylene	91	11.339	11.335	(1.057)	51040	2.00000	2.1
	69 Styrene	104	11.373	11.374	(1.060)	33914	2.00000	1.9
	70 Bromoform	173	11.713	11.715	(1.092)	6285	2.00000	1.7
	71 1-Methylethylbenzene	105	11.700	11.700	(0.890)	53154	2.00000	2.0
	72 1,4-Dichloro-2-Butene	53	11.368	11.369	(0.865)	514	4.00000	5.5(q)
	73 1,1,2,2-Tetrachloroethane	83	11.874	11.876	(0.903)	15196	2.00000	2.1
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.950	11.953	(0.909)	20603	2.00000	2.5
	75 1,2,3- trichloropropane	110	12.024	12.023	(0.915)	5778	2.00000	2.2
	76 n-Propylbenzene	91	12.104	12.104	(0.921)	66141	2.00000	1.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	12.147	12.147	(0.924)	23990	2.00000	2.0
78 1,3,5-Trimethylbenzene	105	12.261	12.263	(0.933)	48070	2.00000	2.0
79 2-Chlorotoluene	91	12.283	12.283	(0.934)	47277	2.00000	2.0
80 4-Chlorotoluene	91	12.331	12.330	(0.938)	47948	2.00000	2.0
81 tert-Butylbenzene	119	12.622	12.622	(0.960)	43524	2.00000	2.0
82 1,2,4-trimethylbenzene	105	12.658	12.658	(0.963)	47981	2.00000	2.0
83 sec-Butylbenzene	105	12.835	12.835	(0.976)	54347	2.00000	2.0
84 p-Isopropyltoluene	119	12.973	12.972	(0.987)	47908	2.00000	2.0
85 1,3-Dichlorobenzene	146	13.069	13.070	(0.994)	26159	2.00000	2.1
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.145	13.145	(1.000)	396152	50.0000	(q)
87 1,4-Dichlorobenzene	146	13.178	13.177	(1.002)	26384	2.00000	2.1
88 Benzyl Chloride	91	13.294	13.295	(1.011)	13194	2.00000	1.7
89 n-Butylbenzene	91	13.385	13.384	(1.018)	39732	2.00000	1.9
90 1,2-Dichlorobenzene	146	13.551	13.550	(1.031)	24571	2.00000	2.0
91 1,2-dibromo-3-chloropropane	75	14.301	14.304	(1.088)	2663	2.00000	2.0
92 1,2,4-Trichlorobenzene	180	14.996	14.998	(1.141)	12641	2.00000	1.8
93 Hexachlorobutadiene	223	15.098	15.098	(1.149)	3631	2.00000	1.9
94 Naphthalene	128	15.185	15.187	(1.155)	33475	2.00000	1.8
95 1,2,3-trichlorobenzene	180	15.356	15.360	(1.168)	11683	2.00000	1.8
103 Isopropyl Ether	45	4.963	4.961	(0.668)	38558	2.00000	1.9
104 Ethyl acetate	43	5.995	5.987	(0.807)	24667	4.00000	3.8
105 Cyclohexanone	55	11.767	11.760	(1.097)	17011	20.0000	17.9
106 Ethyl ether	59	2.856	2.852	(0.384)	10611	2.00000	2.0(a)
107 2-Nitropropane	43	8.430	8.428	(1.134)	4996	4.00000	3.5(a)
108 Tetrahydrofuran	42	6.438	6.417	(0.866)	11553	4.00000	5.7(a)
112 2-Cleve	63	8.694	8.691	(1.170)	12877	4.00000	3.8(aq)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 2PPB.D
Lab Smp Id: 2PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3052207C.b\8260A.m
Misc Info:

Calibration Date: 22-MAY-2007
Calibration Time: 08:17
Client Smp ID: 2PPBCAL
Level: LOW
Sample Type: WATER

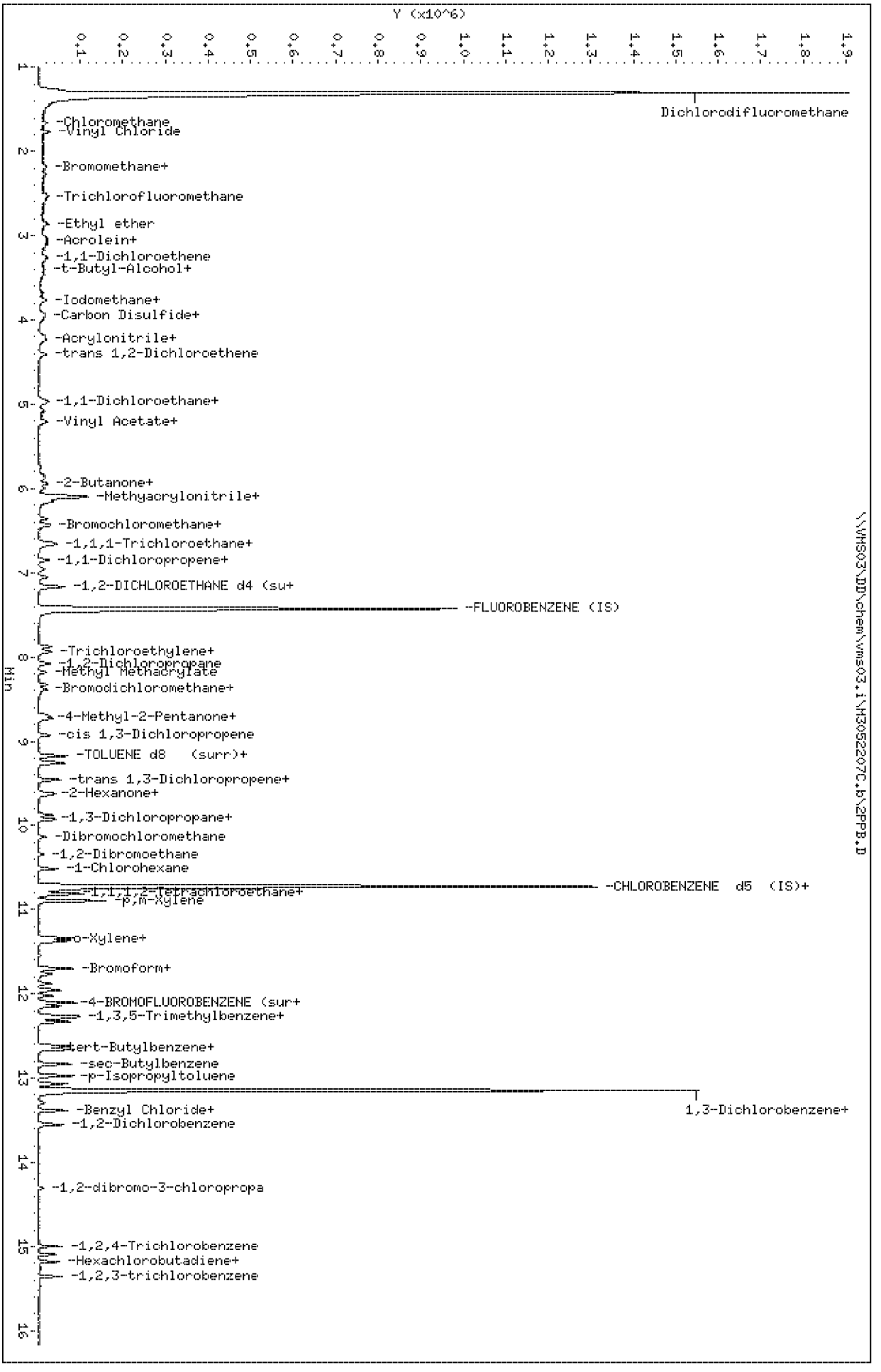
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	989333	494667	1978666	984359	-0.50
63 CHLOROBENZENE d5	712434	356217	1424868	709120	-0.47
86 1,4-DICHLOROBENZE	411829	205915	823658	396152	-3.81

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.03
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	0.01
86 1,4-DICHLOROBENZE	13.15	12.65	13.65	13.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3052207C.b\2PPB.D
Date : 22-MAY-2007 06:45
Client ID: 2PPBCAL
Sample Info: 2PPBCAL
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3052207C.b\5PPB.D
Lab Smp Id: 5PPBCAL Client Smp ID: 5PPBCAL
Inj Date : 22-MAY-2007 07:08
Operator : Inst ID: vms03.i
Smp Info : 5PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3052207C.b\8260A.m
Meth Date : 18-Jun-2007 14:11 lpelo Quant Type: ISTD
Cal Date : 17-MAY-2007 11:30 Cal File: 1PPB.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				73045	10.0000	(a)
M 2 Xylenes (Total)	100				235415	15.0000	(a)
M 3 Trihalomethanes (Total)	100				133430	5.00000	(a)
4 Dichlorodifluoromethane	85	1.459	1.455	(0.196)	37180	5.00000	5.5
5 Chloromethane	50	1.665	1.662	(0.224)	42099	5.00000	5.6
6 Vinyl Chloride	62	1.768	1.760	(0.238)	31023	5.00000	5.7
7 Bromomethane	96	2.195	2.181	(0.295)	18820	5.00000	5.2(q)
8 Chloroethane	64	2.277	2.273	(0.306)	22495	5.00000	5.8
9 Trichlorofluoromethane	101	2.529	2.525	(0.340)	51018	5.00000	5.3
10 Acrolein	56	3.024	3.011	(0.407)	12455	10.0000	11.4
11 1,1,2 Trichlorotrifluoromethan	101	3.055	3.053	(0.411)	30679	5.00000	5.5(a)
12 Acetone	43	3.103	3.099	(0.418)	29583	10.0000	11.0
13 1,1-Dichloroethene	61	3.269	3.264	(0.440)	47615	5.00000	5.1
109 t-Butyl-Alcohol	59	3.398	3.391	(0.457)	36389	50.0000	49.0
14 Acetonitrile	41	3.460	3.456	(0.466)	49423	50.0000	52.8
15 Iodomethane	142	3.691	3.685	(0.497)	40024	5.00000	5.0
16 Methyl Acetate	43	3.753	3.744	(0.505)	26545	5.00000	4.7
17 Allyl Chloride	41	3.767	3.764	(0.507)	36546	5.00000	4.3(q)
18 Carbon Disulfide	76	3.928	3.921	(0.529)	90568	5.00000	5.6
19 Methylene Chloride	49	3.975	3.982	(0.535)	43084	5.00000	5.0
20 Acrylonitrile	53	4.181	4.171	(0.563)	28525	10.0000	9.8
21 Methyl-tert-butyl ether	73	4.229	4.219	(0.569)	89243	5.00000	5.0
22 trans 1,2-Dichloroethene	61	4.409	4.404	(0.593)	42835	5.00000	5.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	5.072	5.069	(0.683)	51640	5.00000	5.0
	24 Vinyl Acetate	43	5.129	5.127	(0.690)	46633	5.00000	5.4
	25 Chloroprene	53	5.204	5.202	(0.700)	49839	5.00000	4.9
	26 2-Butanone	43	5.741	5.730	(0.772)	32297	10.0000	9.8
	27 Propionitrile	54	5.835	5.828	(0.785)	54783	50.0000	48.8
	28 2,2-Dichloropropane	77	5.888	5.877	(0.792)	22286	5.00000	4.9(T)
	29 cis-1,2-Dichloroethene	96	5.941	5.939	(0.799)	30210	5.00000	5.3(Q)
	30 Methyacrylonitrile	67	6.090	6.089	(0.820)	138674	50.0000	51.1
	31 Isobutyl Alcohol	43	6.167	6.156	(0.830)	25539	100.000	117(Q)
	32 Chloroform	83	6.154	6.153	(0.828)	54718	5.00000	5.2
	33 Bromochloromethane	49	6.359	6.355	(0.856)	25833	5.00000	4.7
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.436	6.433	(0.866)	26247	5.00000	5.2
	35 1,1,1-Trichloroethane	97	6.658	6.653	(0.896)	42078	5.00000	5.1
	36 Cyclohexane	56	6.657	6.655	(0.896)	49880	5.00000	5.0(a)
	37 1,1-Dichloropropene	75	6.853	6.850	(0.922)	37544	5.00000	5.1
	38 Carbon tetrachloride	117	6.958	6.957	(0.936)	27919	5.00000	4.9
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.054	7.053	(0.949)	6920	5.00000	6.2(Q)
	40 1,2-Dichloroethane	62	7.165	7.164	(0.964)	48926	5.00000	4.9
	41 Benzene	78	7.166	7.165	(0.964)	107771	5.00000	5.2
*	42 FLUOROBENZENE (IS)	96	7.431	7.429	(1.000)	977054	50.0000	
	43 Trichloroethylene	130	7.880	7.877	(1.060)	28451	5.00000	5.1
	44 Methyl Cyclohexane	55	7.935	7.935	(1.068)	37034	5.00000	5.0(a)
	45 1,2-Dichloropropane	63	8.080	8.079	(1.087)	31005	5.00000	5.3
	46 Methyl Methacrylate	69	8.183	8.177	(1.101)	18957	5.00000	4.7
	47 Bromodichloromethane	83	8.333	8.332	(1.121)	37517	5.00000	4.7
	48 1,4 Dioxane	88	8.382	8.374	(1.128)	6081	100.000	89.7(q)
	49 Dibromomethane	93	8.381	8.383	(1.128)	19884	5.00000	5.0
	50 4-Methyl-2-Pentanone	43	8.726	8.721	(0.664)	86133	10.0000	11.8
	51 2-Hexanone	43	9.635	9.631	(0.898)	54637	10.0000	10.6
	52 cis 1,3-Dichloropropene	75	8.927	8.926	(1.201)	45340	5.00000	4.8
$	53 TOLUENE d8 (surr)	98	9.173	9.172	(1.234)	97054	5.00000	5.1
	54 Toluene	92	9.255	9.254	(1.245)	71064	5.00000	5.1
	55 trans 1,3-Dichloropropene	75	9.456	9.455	(1.272)	39473	5.00000	4.6
	56 Ethyl Methacrylate	69	9.461	9.456	(1.273)	32639	5.00000	4.4
	57 1,1,2-Trichloroethane	97	9.612	9.612	(1.293)	26798	5.00000	4.9
	58 1,3-Dichloropropane	76	9.874	9.872	(0.921)	47400	5.00000	5.1
	59 Tetrachloroethylene	164	9.926	9.926	(0.925)	23017	5.00000	5.3
	60 Dibromochloromethane	129	10.135	10.135	(0.945)	24596	5.00000	4.4
	61 1,2-Dibromoethane	107	10.339	10.338	(0.964)	27800	5.00000	4.9
	62 1-Chlorohexane	91	10.511	10.511	(0.980)	32874	5.00000	5.0
*	63 CHLOROBENZENE d5 (IS)	117	10.727	10.726	(1.000)	702646	50.0000	
	64 Chlorobenzene	112	10.766	10.765	(1.004)	80090	5.00000	5.2
	65 1,1,1,2-Tetrachloroethane	131	10.810	10.811	(1.008)	22464	5.00000	4.9
	66 Ethylbenzene	106	10.820	10.820	(1.009)	40502	5.00000	5.1
	67 p,m-Xylene	106	10.897	10.897	(1.016)	110639	10.0000	10.7
	68 o-Xylene	91	11.339	11.335	(1.057)	124776	5.00000	5.1
	69 Styrene	104	11.375	11.374	(1.060)	84629	5.00000	4.8
	70 Bromoform	173	11.718	11.715	(1.092)	16599	5.00000	4.4
	71 1-Methylethylbenzene	105	11.700	11.700	(0.890)	137289	5.00000	5.1
	72 1,4-Dichloro-2-Butene	53	11.379	11.369	(0.866)	990	10.0000	10.8(Q)
	73 1,1,2,2-Tetrachloroethane	83	11.876	11.876	(0.903)	35994	5.00000	4.9
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.954	11.953	(0.909)	44086	5.00000	5.4
	75 1,2,3- trichloropropane	110	12.027	12.023	(0.915)	12770	5.00000	4.9
	76 n-Propylbenzene	91	12.104	12.104	(0.921)	200692	5.00000	6.0

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	12.147	12.147	(0.924)	63200	5.00000	5.2
78 1,3,5-Trimethylbenzene	105	12.263	12.263	(0.933)	120272	5.00000	4.9
79 2-Chlorotoluene	91	12.284	12.283	(0.934)	119529	5.00000	5.0
80 4-Chlorotoluene	91	12.330	12.330	(0.938)	123660	5.00000	5.4
81 tert-Butylbenzene	119	12.622	12.622	(0.960)	115009	5.00000	5.2
82 1,2,4-trimethylbenzene	105	12.659	12.658	(0.963)	122936	5.00000	5.0
83 sec-Butylbenzene	105	12.835	12.835	(0.976)	138654	5.00000	5.0
84 p-Isopropyltoluene	119	12.972	12.972	(0.987)	120213	5.00000	5.0
85 1,3-Dichlorobenzene	146	13.070	13.070	(0.994)	63566	5.00000	5.0
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.145	13.145	(1.000)	398491	50.0000	(q)
87 1,4-Dichlorobenzene	146	13.177	13.177	(1.002)	64555	5.00000	5.0
88 Benzyl Chloride	91	13.294	13.295	(1.011)	31735	5.00000	4.0
89 n-Butylbenzene	91	13.384	13.384	(1.018)	104825	5.00000	5.0
90 1,2-Dichlorobenzene	146	13.550	13.550	(1.031)	60764	5.00000	4.8
91 1,2-dibromo-3-chloropropane	75	14.300	14.304	(1.088)	5421	5.00000	3.9
92 1,2,4-Trichlorobenzene	180	14.990	14.998	(1.140)	31918	5.00000	4.4
93 Hexachlorobutadiene	223	15.090	15.098	(1.148)	9579	5.00000	5.0
94 Naphthalene	128	15.177	15.187	(1.155)	84748	5.00000	4.5
95 1,2,3-trichlorobenzene	180	15.347	15.360	(1.168)	29583	5.00000	4.5
103 Isopropyl Ether	45	4.966	4.961	(0.668)	101662	5.00000	5.2
104 Ethyl acetate	43	5.993	5.987	(0.806)	64104	10.0000	10.1
105 Cyclohexanone	55	11.765	11.760	(1.097)	43685	50.0000	45.4
106 Ethyl ether	59	2.855	2.852	(0.384)	26591	5.00000	4.9(aq)
107 2-Nitropropane	43	8.428	8.428	(1.134)	13169	10.0000	9.1(a)
108 Tetrahydrofuran	42	6.431	6.417	(0.865)	21764	10.0000	11.0
112 2-Cleve	63	8.693	8.691	(1.170)	33836	10.0000	10

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 5PPB.D
Lab Smp Id: 5PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3052207C.b\8260A.m
Misc Info:

Calibration Date: 22-MAY-2007
Calibration Time: 08:17
Client Smp ID: 5PPBCAL
Level: LOW
Sample Type: WATER

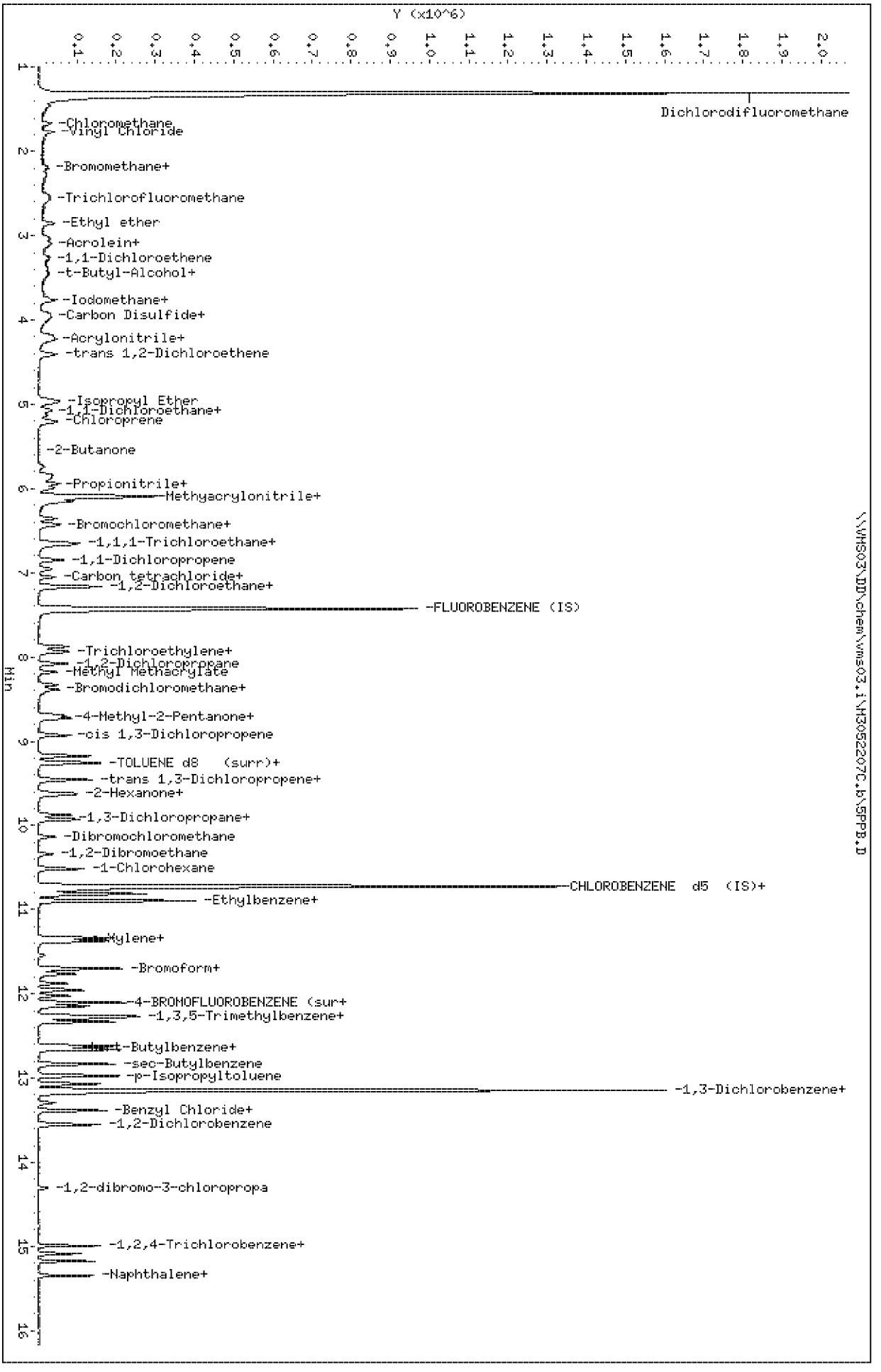
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	989333	494667	1978666	977054	-1.24
63 CHLOROBENZENE d5	712434	356217	1424868	702646	-1.37
86 1,4-DICHLOROBENZE	411829	205915	823658	398491	-3.24

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.02
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	0.01
86 1,4-DICHLOROBENZE	13.15	12.65	13.65	13.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3052207C.b\5PPB.D
Date : 22-MAY-2007 07:08
Client ID: 5PPBCAL
Sample Info: 5PPBCAL
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3052207C.b\10PPB.D
Lab Smp Id: 10PPBCAL Client Smp ID: 10PPBCAL
Inj Date : 22-MAY-2007 07:31
Operator : Inst ID: vms03.i
Smp Info : 10PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3052207C.b\8260A.m
Meth Date : 18-Jun-2007 14:11 lpelo Quant Type: ISTD
Cal Date : 17-MAY-2007 11:30 Cal File: 1PPB.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				140240	20.0000	(a)
M 2 Xylenes (Total)	100				459216	30.0000	(a)
M 3 Trihalomethanes (Total)	100				269157	10.0000	(a)
4 Dichlorodifluoromethane	85	1.456	1.455	(0.196)	64748	10.0000	9.5
5 Chloromethane	50	1.664	1.662	(0.224)	76885	10.0000	10.7
6 Vinyl Chloride	62	1.767	1.760	(0.238)	55696	10.0000	10.6
7 Bromomethane	96	2.191	2.181	(0.295)	35134	10.0000	9.9(q)
8 Chloroethane	64	2.276	2.273	(0.306)	37438	10.0000	9.8
9 Trichlorofluoromethane	101	2.529	2.525	(0.340)	97463	10.0000	10.4
10 Acrolein	56	3.017	3.011	(0.406)	22763	20.0000	21.7
11 1,1,2 Trichlorotrifluoromethan	101	3.061	3.053	(0.412)	53384	10.0000	9.6(a)
12 Acetone	43	3.101	3.099	(0.417)	53141	20.0000	20.0
13 1,1-Dichloroethene	61	3.270	3.264	(0.440)	94661	10.0000	10.6
109 t-Butyl-Alcohol	59	3.392	3.391	(0.457)	67029	100.000	87.5(TQ)
14 Acetonitrile	41	3.458	3.456	(0.465)	92460	100.000	100
15 Iodomethane	142	3.687	3.685	(0.496)	73897	10.0000	9.1
16 Methyl Acetate	43	3.746	3.744	(0.504)	57757	10.0000	10.6
17 Allyl Chloride	41	3.771	3.764	(0.508)	83942	10.0000	10(q)
18 Carbon Disulfide	76	3.924	3.921	(0.528)	162079	10.0000	10.1
19 Methylene Chloride	49	3.990	3.982	(0.537)	90267	10.0000	10.9
20 Acrylonitrile	53	4.176	4.171	(0.562)	57112	20.0000	19.8
21 Methyl-tert-butyl ether	73	4.222	4.219	(0.568)	173800	10.0000	9.9
22 trans 1,2-Dichloroethene	61	4.407	4.404	(0.593)	84035	10.0000	10.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	5.071	5.069	(0.683)	102795	10.0000	10.1
	24 Vinyl Acetate	43	5.131	5.127	(0.691)	90913	10.0000	11.2
	25 Chloroprene	53	5.204	5.202	(0.700)	99671	10.0000	9.9
	26 2-Butanone	43	5.735	5.730	(0.772)	63269	20.0000	19.2
	27 Propionitrile	54	5.833	5.828	(0.785)	110367	100.000	99.4
	28 2,2-Dichloropropane	77	5.877	5.877	(0.791)	43890	10.0000	9.6
	29 cis-1,2-Dichloroethene	96	5.942	5.939	(0.800)	56205	10.0000	10.0
	30 Methyacrylonitrile	67	6.089	6.089	(0.819)	274794	100.000	104
	31 Isobutyl Alcohol	43	6.162	6.156	(0.829)	52369	200.000	272(Q)
	32 Chloroform	83	6.149	6.153	(0.828)	104080	10.0000	9.9
	33 Bromochloromethane	49	6.358	6.355	(0.856)	54814	10.0000	10.3
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.435	6.433	(0.866)	47639	10.0000	9.3
	35 1,1,1-Trichloroethane	97	6.659	6.653	(0.896)	79118	10.0000	9.6
	36 Cyclohexane	56	6.657	6.655	(0.896)	99695	10.0000	10.2
	37 1,1-Dichloropropene	75	6.850	6.850	(0.922)	73930	10.0000	10.2
	38 Carbon tetrachloride	117	6.960	6.957	(0.937)	56039	10.0000	9.8
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.058	7.053	(0.950)	10262	10.0000	9.0(q)
	40 1,2-Dichloroethane	62	7.165	7.164	(0.964)	101260	10.0000	10.5
	41 Benzene	78	7.166	7.165	(0.964)	212000	10.0000	10.4
*	42 FLUOROBENZENE (IS)	96	7.430	7.429	(1.000)	964672	50.0000	
	43 Trichloroethylene	130	7.878	7.877	(1.060)	55087	10.0000	10.1
	44 Methyl Cyclohexane	55	7.936	7.935	(1.068)	74947	10.0000	10.5
	45 1,2-Dichloropropane	63	8.079	8.079	(1.087)	58845	10.0000	10.2
	46 Methyl Methacrylate	69	8.177	8.177	(1.101)	40132	10.0000	10.2
	47 Bromodichloromethane	83	8.333	8.332	(1.122)	76456	10.0000	9.6
	48 1,4 Dioxane	88	8.378	8.374	(1.128)	12889	200.000	189(q)
	49 Dibromomethane	93	8.383	8.383	(1.128)	38941	10.0000	9.8
	50 4-Methyl-2-Pentanone	43	8.721	8.721	(0.663)	146297	20.0000	20.5(M)
	51 2-Hexanone	43	9.633	9.631	(0.898)	101229	20.0000	19.4
	52 cis 1,3-Dichloropropene	75	8.926	8.926	(1.201)	92159	10.0000	9.9
$	53 TOLUENE d8 (surr)	98	9.172	9.172	(1.234)	178692	10.0000	9.2
	54 Toluene	92	9.255	9.254	(1.246)	139348	10.0000	10.2
	55 trans 1,3-Dichloropropene	75	9.455	9.455	(1.272)	82659	10.0000	9.5
	56 Ethyl Methacrylate	69	9.458	9.456	(1.273)	72732	10.0000	9.9
	57 1,1,2-Trichloroethane	97	9.613	9.612	(1.294)	54423	10.0000	10.2
	58 1,3-Dichloropropane	76	9.873	9.872	(0.920)	97394	10.0000	10.6
	59 Tetrachloroethylene	164	9.927	9.926	(0.925)	44529	10.0000	10.5
	60 Dibromochloromethane	129	10.134	10.135	(0.945)	52834	10.0000	9.4
	61 1,2-Dibromoethane	107	10.340	10.338	(0.964)	55465	10.0000	9.8
	62 1-Chlorohexane	91	10.511	10.511	(0.980)	66111	10.0000	10.0
*	63 CHLOROBENZENE d5 (IS)	117	10.726	10.726	(1.000)	703306	50.0000	
	64 Chlorobenzene	112	10.765	10.765	(1.004)	156608	10.0000	10.2
	65 1,1,1,2-Tetrachloroethane	131	10.811	10.811	(1.008)	44967	10.0000	9.6
	66 Ethylbenzene	106	10.819	10.820	(1.009)	78239	10.0000	9.9
	67 p,m-Xylene	106	10.895	10.897	(1.016)	210820	20.0000	20.6
	68 o-Xylene	91	11.339	11.335	(1.057)	248396	10.0000	10.3
	69 Styrene	104	11.373	11.374	(1.060)	172743	10.0000	9.8
	70 Bromoform	173	11.714	11.715	(1.092)	35787	10.0000	9.2
	71 1-Methylethylbenzene	105	11.699	11.700	(0.890)	268709	10.0000	10.3
	72 1,4-Dichloro-2-Butene	53	11.373	11.369	(0.865)	1719	20.0000	18.6(q)
	73 1,1,2,2-Tetrachloroethane	83	11.876	11.876	(0.903)	75047	10.0000	10.6
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.952	11.953	(0.909)	77001	10.0000	9.4
	75 1,2,3- trichloropropane	110	12.024	12.023	(0.915)	24977	10.0000	9.6
	76 n-Propylbenzene	91	12.103	12.104	(0.921)	340873	10.0000	10.5

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	12.147	12.147	(0.924)	122539	10.0000	10.2
78 1,3,5-Trimethylbenzene	105	12.262	12.263	(0.933)	247152	10.0000	10.3
79 2-Chlorotoluene	91	12.282	12.283	(0.934)	240471	10.0000	10.4
80 4-Chlorotoluene	91	12.329	12.330	(0.938)	234490	10.0000	10.5
81 tert-Butylbenzene	119	12.622	12.622	(0.960)	223653	10.0000	10.4
82 1,2,4-trimethylbenzene	105	12.657	12.658	(0.963)	246919	10.0000	10.2
83 sec-Butylbenzene	105	12.834	12.835	(0.976)	277008	10.0000	10.3
84 p-Isopropyltoluene	119	12.972	12.972	(0.987)	239851	10.0000	10.0
85 1,3-Dichlorobenzene	146	13.069	13.070	(0.994)	129069	10.0000	10.4
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.145	13.145	(1.000)	393163	50.0000	(q)
87 1,4-Dichlorobenzene	146	13.176	13.177	(1.002)	129627	10.0000	10.4
88 Benzyl Chloride	91	13.294	13.295	(1.011)	69439	10.0000	8.3
89 n-Butylbenzene	91	13.384	13.384	(1.018)	208806	10.0000	10.2
90 1,2-Dichlorobenzene	146	13.548	13.550	(1.031)	127038	10.0000	10.3
91 1,2-dibromo-3-chloropropane	75	14.304	14.304	(1.088)	12075	10.0000	8.4
92 1,2,4-Trichlorobenzene	180	14.995	14.998	(1.141)	72089	10.0000	10.1
93 Hexachlorobutadiene	223	15.095	15.098	(1.148)	20055	10.0000	10.9
94 Naphthalene	128	15.184	15.187	(1.155)	176075	10.0000	9.2
95 1,2,3-trichlorobenzene	180	15.355	15.360	(1.168)	63298	10.0000	9.8
103 Isopropyl Ether	45	4.961	4.961	(0.668)	192307	10.0000	9.8
104 Ethyl acetate	43	5.991	5.987	(0.806)	127164	20.0000	20.4
105 Cyclohexanone	55	11.762	11.760	(1.097)	90543	100.000	91.3
106 Ethyl ether	59	2.853	2.852	(0.384)	51687	10.0000	9.5(a)
107 2-Nitropropane	43	8.428	8.428	(1.134)	29120	20.0000	20.5
108 Tetrahydrofuran	42	6.427	6.417	(0.865)	39938	20.0000	20.8
112 2-Cleve	63	8.691	8.691	(1.170)	62798	20.0000	18.2

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 10PPB.D
Lab Smp Id: 10PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3052207C.b\8260A.m
Misc Info:

Calibration Date: 22-MAY-2007
Calibration Time: 08:17
Client Smp ID: 10PPBCAL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	989333	494667	1978666	964672	-2.49
63 CHLOROBENZENE d5	712434	356217	1424868	703306	-1.28
86 1,4-DICHLOROBENZE	411829	205915	823658	393163	-4.53

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.01
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	0.01
86 1,4-DICHLOROBENZE	13.15	12.65	13.65	13.15	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3052207C.b\10PPB.D

Date : 22-MAY-2007 07:31

Client ID: 10PPBCAL

Instrument: vms03.i

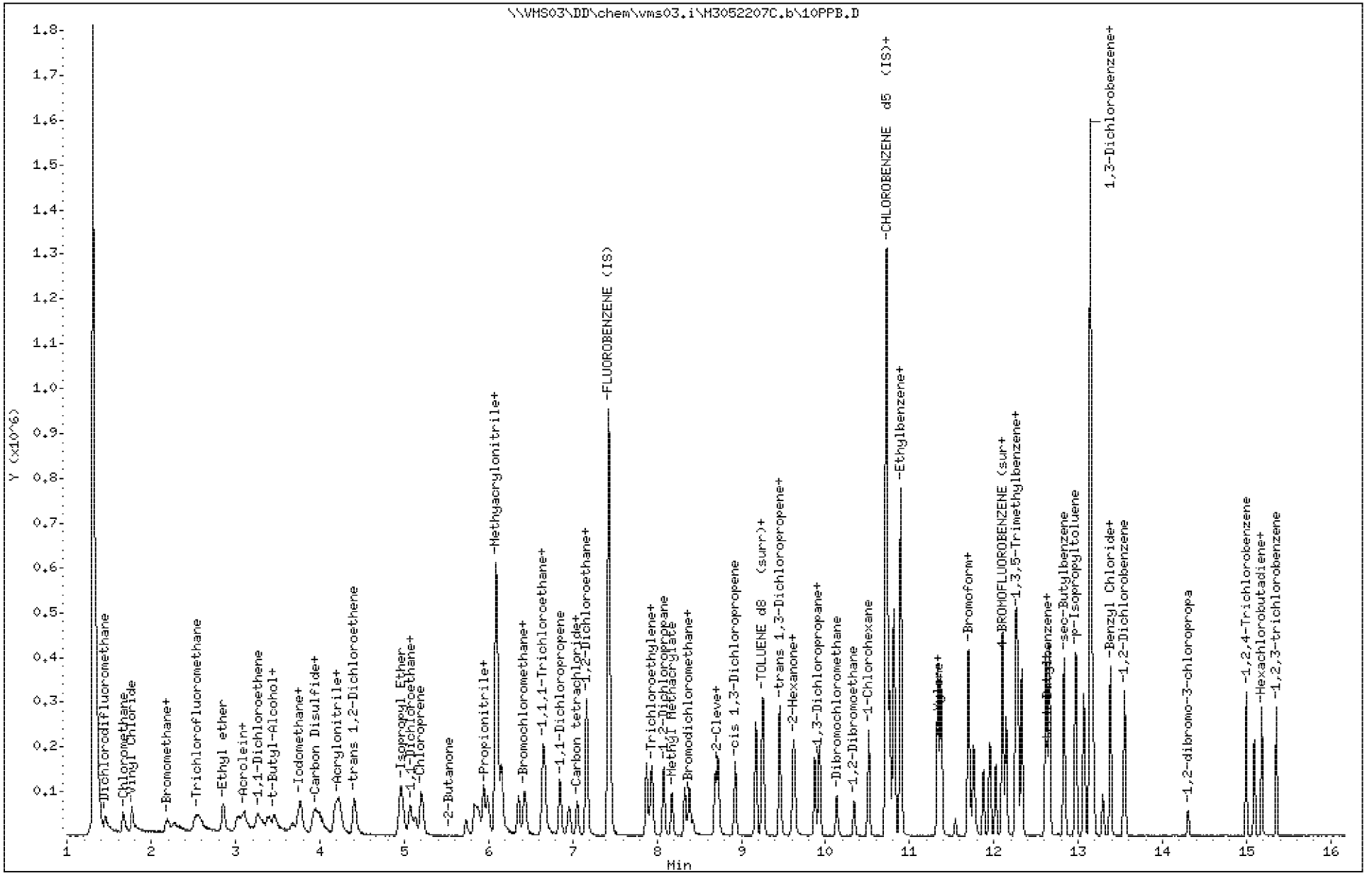
Sample Info: 10PPBCAL

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3052207C.b\20PPB.D
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Inj Date : 22-MAY-2007 07:54
Operator : Inst ID: vms03.i
Smp Info : 20PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3052207C.b\8260A.m
Meth Date : 18-Jun-2007 14:11 lpelo Quant Type: ISTD
Cal Date : 17-MAY-2007 11:30 Cal File: 1PPB.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				274110	40.0000	(a)
M 2 Xylenes (Total)	100				895051	60.0000	(a)
M 3 Trihalomethanes (Total)	100				554478	20.0000	(a)
4 Dichlorodifluoromethane	85	1.457	1.455	(0.196)	132893	20.0000	19.2
5 Chloromethane	50	1.663	1.662	(0.224)	155875	20.0000	24.0
6 Vinyl Chloride	62	1.765	1.760	(0.238)	109342	20.0000	22.0(T)
7 Bromomethane	96	2.189	2.181	(0.295)	73843	20.0000	21.8
8 Chloroethane	64	2.275	2.273	(0.306)	80690	20.0000	22.5(T)
9 Trichlorofluoromethane	101	2.528	2.525	(0.340)	186067	20.0000	19.8
10 Acrolein	56	3.014	3.011	(0.406)	42051	40.0000	40.4
11 1,1,2 Trichlorotrifluoromethan	101	3.050	3.053	(0.411)	115193	20.0000	21.6
12 Acetone	43	3.097	3.099	(0.417)	113125	40.0000	45.9
13 1,1-Dichloroethene	61	3.264	3.264	(0.439)	184178	20.0000	21.3
109 t-Butyl-Alcohol	59	3.384	3.391	(0.455)	165109	200.000	236(q)
14 Acetonitrile	41	3.456	3.456	(0.465)	194014	200.000	223
15 Iodomethane	142	3.684	3.685	(0.496)	156346	20.0000	18.7
16 Methyl Acetate	43	3.744	3.744	(0.504)	109730	20.0000	20.5
17 Allyl Chloride	41	3.769	3.764	(0.507)	166682	20.0000	19.7(Q)
18 Carbon Disulfide	76	3.924	3.921	(0.528)	326981	20.0000	21.1
19 Methylene Chloride	49	3.979	3.982	(0.536)	167067	20.0000	20.6
20 Acrylonitrile	53	4.174	4.171	(0.562)	117492	40.0000	42.0
21 Methyl-tert-butyl ether	73	4.217	4.219	(0.568)	340629	20.0000	19.0
22 trans 1,2-Dichloroethene	61	4.406	4.404	(0.593)	162160	20.0000	19.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	5.071	5.069	(0.683)	197773	20.0000	19.1
	24 Vinyl Acetate	43	5.127	5.127	(0.690)	173499	20.0000	23.1
	25 Chloroprene	53	5.202	5.202	(0.700)	193815	20.0000	18.7
	26 2-Butanone	43	5.730	5.730	(0.771)	138383	40.0000	44.7
	27 Propionitrile	54	5.830	5.828	(0.785)	237356	200.000	231
	28 2,2-Dichloropropane	77	5.878	5.877	(0.791)	85712	20.0000	17.7
	29 cis-1,2-Dichloroethene	96	5.942	5.939	(0.800)	111950	20.0000	20.1
	30 Methyacrylonitrile	67	6.088	6.089	(0.819)	555138	200.000	223
	31 Isobutyl Alcohol	43	6.160	6.156	(0.829)	78642	400.000	420(Q)
	32 Chloroform	83	6.153	6.153	(0.828)	207376	20.0000	19.7
	33 Bromochloromethane	49	6.353	6.355	(0.855)	106292	20.0000	20.1
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.435	6.433	(0.866)	101900	20.0000	19.9
	35 1,1,1-Trichloroethane	97	6.658	6.653	(0.896)	161018	20.0000	19.4
	36 Cyclohexane	56	6.658	6.655	(0.896)	194539	20.0000	19.9
	37 1,1-Dichloropropene	75	6.851	6.850	(0.922)	140970	20.0000	19.2
	38 Carbon tetrachloride	117	6.958	6.957	(0.936)	108937	20.0000	18.4
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.053	7.053	(0.949)	22460	20.0000	19.5(q)
	40 1,2-Dichloroethane	62	7.165	7.164	(0.964)	194369	20.0000	20.4
	41 Benzene	78	7.166	7.165	(0.964)	402202	20.0000	19.7
*	42 FLUOROBENZENE (IS)	96	7.430	7.429	(1.000)	960697	50.0000	
	43 Trichloroethylene	130	7.878	7.877	(1.060)	106303	20.0000	19.1
	44 Methyl Cyclohexane	55	7.936	7.935	(1.068)	140322	20.0000	19.6
	45 1,2-Dichloropropane	63	8.079	8.079	(1.087)	116156	20.0000	20.4
	46 Methyl Methacrylate	69	8.177	8.177	(1.101)	79970	20.0000	20.6
	47 Bromodichloromethane	83	8.332	8.332	(1.121)	159348	20.0000	20.4
	48 1,4 Dioxane	88	8.376	8.374	(1.127)	27616	400.000	413
	49 Dibromomethane	93	8.385	8.383	(1.128)	81017	20.0000	21.2
	50 4-Methyl-2-Pentanone	43	8.721	8.721	(0.663)	294462	40.0000	41.7
	51 2-Hexanone	43	9.632	9.631	(0.898)	210461	40.0000	40.6
	52 cis 1,3-Dichloropropene	75	8.927	8.926	(1.201)	182853	20.0000	19.6
$	53 TOLUENE d8 (surr)	98	9.173	9.172	(1.234)	388868	20.0000	20.2
	54 Toluene	92	9.255	9.254	(1.246)	276258	20.0000	20.7
	55 trans 1,3-Dichloropropene	75	9.455	9.455	(1.273)	170752	20.0000	19.6
	56 Ethyl Methacrylate	69	9.457	9.456	(1.273)	148631	20.0000	20.7
	57 1,1,2-Trichloroethane	97	9.613	9.612	(1.294)	108391	20.0000	21.0
	58 1,3-Dichloropropane	76	9.873	9.872	(0.920)	187260	20.0000	20.7
	59 Tetrachloroethylene	164	9.926	9.926	(0.925)	85251	20.0000	20.1
	60 Dibromochloromethane	129	10.135	10.135	(0.945)	111740	20.0000	19.5
	61 1,2-Dibromoethane	107	10.339	10.338	(0.964)	115913	20.0000	20.7
	62 1-Chlorohexane	91	10.511	10.511	(0.980)	129482	20.0000	19.2
*	63 CHLOROBENZENE d5 (IS)	117	10.726	10.726	(1.000)	705840	50.0000	
	64 Chlorobenzene	112	10.764	10.765	(1.004)	307187	20.0000	20.0
	65 1,1,1,2-Tetrachloroethane	131	10.812	10.811	(1.008)	91818	20.0000	19.1
	66 Ethylbenzene	106	10.820	10.820	(1.009)	159708	20.0000	20.2
	67 p,m-Xylene	106	10.897	10.897	(1.016)	407880	40.0000	39.6
	68 o-Xylene	91	11.335	11.335	(1.057)	487171	20.0000	20.2
	69 Styrene	104	11.374	11.374	(1.060)	352766	20.0000	19.9
	70 Bromoform	173	11.714	11.715	(1.092)	76014	20.0000	19.1
	71 1-Methylethylbenzene	105	11.699	11.700	(0.890)	535284	20.0000	20.7
	72 1,4-Dichloro-2-Butene	53	11.373	11.369	(0.865)	4196	40.0000	50.8(Q)
	73 1,1,2,2-Tetrachloroethane	83	11.875	11.876	(0.903)	150121	20.0000	22.1
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.952	11.953	(0.909)	170407	20.0000	20.9
	75 1,2,3- trichloropropane	110	12.023	12.023	(0.915)	54212	20.0000	21.1
	76 n-Propylbenzene	91	12.104	12.104	(0.921)	666035	20.0000	20.5

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	12.148	12.147	(0.924)	250472	20.0000	21.3
78 1,3,5-Trimethylbenzene	105	12.262	12.263	(0.933)	497637	20.0000	20.9
79 2-Chlorotoluene	91	12.282	12.283	(0.934)	486587	20.0000	21.5
80 4-Chlorotoluene	91	12.330	12.330	(0.938)	466515	20.0000	21.3
81 tert-Butylbenzene	119	12.622	12.622	(0.960)	444817	20.0000	20.9
82 1,2,4-trimethylbenzene	105	12.658	12.658	(0.963)	502370	20.0000	20.9
83 sec-Butylbenzene	105	12.834	12.835	(0.976)	556463	20.0000	20.8
84 p-Isopropyltoluene	119	12.971	12.972	(0.987)	492641	20.0000	20.9
85 1,3-Dichlorobenzene	146	13.069	13.070	(0.994)	257424	20.0000	20.9
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.144	13.145	(1.000)	397664	50.0000	(q)
87 1,4-Dichlorobenzene	146	13.178	13.177	(1.003)	258209	20.0000	21.2
88 Benzyl Chloride	91	13.293	13.295	(1.011)	162915	20.0000	18.4
89 n-Butylbenzene	91	13.384	13.384	(1.018)	419602	20.0000	20.4
90 1,2-Dichlorobenzene	146	13.549	13.550	(1.031)	258161	20.0000	21.4
91 1,2-dibromo-3-chloropropane	75	14.304	14.304	(1.088)	28993	20.0000	20.1
92 1,2,4-Trichlorobenzene	180	14.996	14.998	(1.141)	146581	20.0000	20.7
93 Hexachlorobutadiene	223	15.096	15.098	(1.148)	38975	20.0000	22.0
94 Naphthalene	128	15.184	15.187	(1.155)	396587	20.0000	21.1
95 1,2,3-trichlorobenzene	180	15.356	15.360	(1.168)	137066	20.0000	22.0
103 Isopropyl Ether	45	4.961	4.961	(0.668)	371934	20.0000	18.3
104 Ethyl acetate	43	5.987	5.987	(0.806)	252292	40.0000	41.1
105 Cyclohexanone	55	11.762	11.760	(1.097)	201337	200.000	205
106 Ethyl ether	59	2.853	2.852	(0.384)	102396	20.0000	18.0
107 2-Nitropropane	43	8.428	8.428	(1.134)	54906	40.0000	37.7
108 Tetrahydrofuran	42	6.420	6.417	(0.864)	81494	40.0000	45.7
112 2-Cleve	63	8.692	8.691	(1.170)	137228	40.0000	40.0

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 20PPB.D
Lab Smp Id: 20PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3052207C.b\8260A.m
Misc Info:

Calibration Date: 22-MAY-2007
Calibration Time: 08:17
Client Smp ID: 20PPBCAL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	989333	494667	1978666	960697	-2.89
63 CHLOROBENZENE d5	712434	356217	1424868	705840	-0.93
86 1,4-DICHLOROBENZE	411829	205915	823658	397664	-3.44

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.01
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	-0.00
86 1,4-DICHLOROBENZE	13.15	12.65	13.65	13.14	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3052207C.b\20PPB.D

Page 5

Date : 22-MAY-2007 07:54

Client ID: 20PPBCAL

Instrument: vms03.i

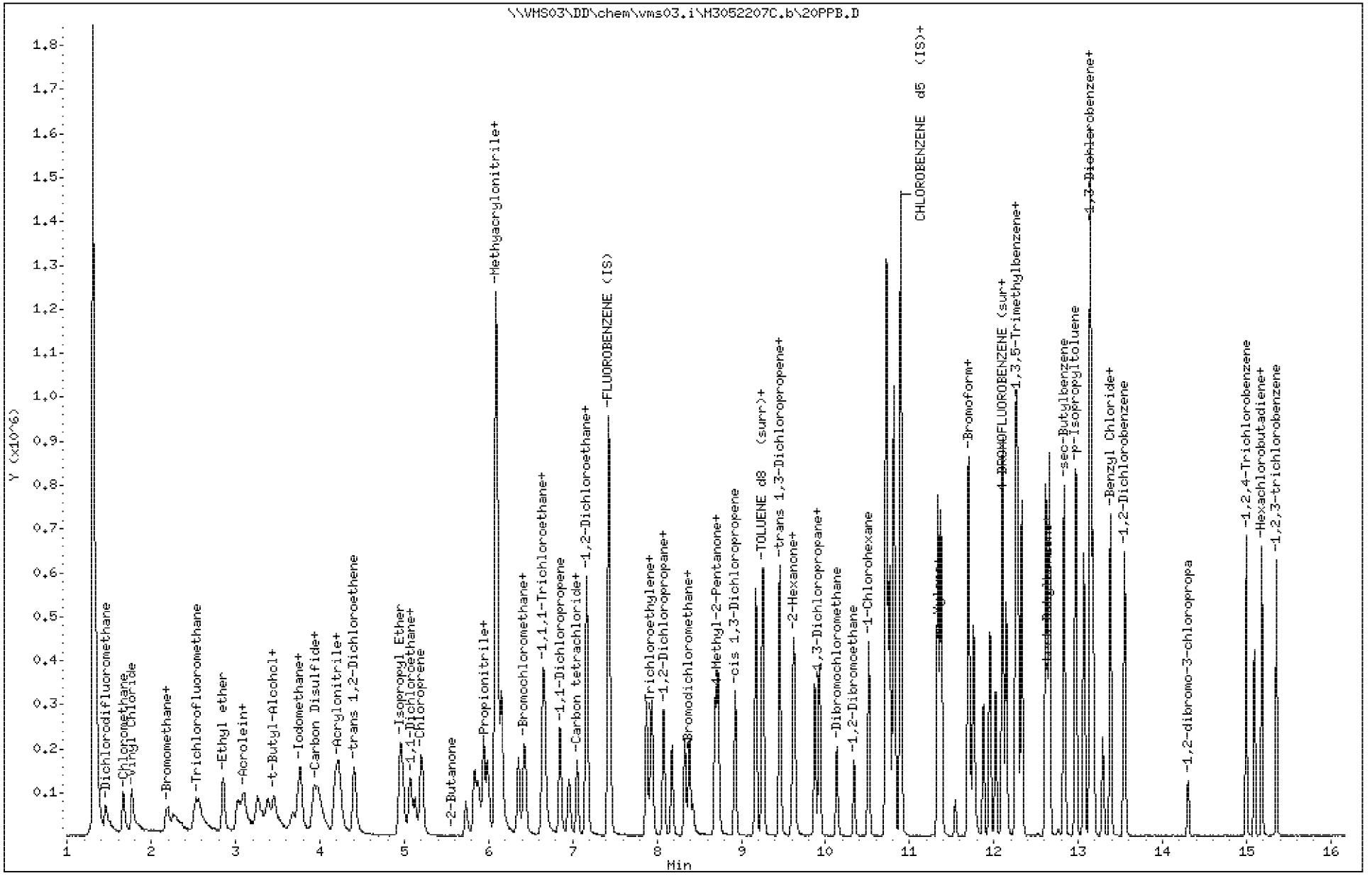
Sample Info: 20PPBCAL

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3052207C.b\50PPB.D
Lab Smp Id: 50PPBCAL Client Smp ID: 50PPBCAL
Inj Date : 22-MAY-2007 08:17
Operator : Inst ID: vms03.i
Smp Info : 50PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3052207C.b\8260A.m
Meth Date : 18-Jun-2007 14:11 lpelo Quant Type: ISTD
Cal Date : 17-MAY-2007 11:30 Cal File: 1PPB.D
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	
M 1 1,2-Dichloroethene (Total)	100				717460	100.000		(a)
M 2 Xylenes (Total)	100				2259016	150.000		(a)
M 3 Trihalomethanes (Total)	100				1435100	50.0000		(a)
4 Dichlorodifluoromethane	85	1.455	1.455	(0.196)	356464	50.0000		(aQ)
5 Chloromethane	50	1.653	1.662	(0.223)	334347	50.0000		(aQ)
6 Vinyl Chloride	62	1.756	1.760	(0.236)	255376	50.0000		(aQ)
7 Bromomethane	96	2.175	2.181	(0.293)	173948	50.0000		(aQ)
8 Chloroethane	64	2.264	2.273	(0.305)	184452	50.0000		(TaQ)
9 Trichlorofluoromethane	101	2.522	2.525	(0.339)	483463	50.0000		(aQ)
10 Acrolein	56	3.010	3.011	(0.405)	107111	100.000		(Q)
11 1,1,2 Trichlorotrifluoromethan	101	3.046	3.053	(0.410)	273890	50.0000		(aQ)
12 Acetone	43	3.096	3.099	(0.417)	253675	100.000		(aQ)
13 1,1-Dichloroethene	61	3.254	3.264	(0.438)	445270	50.0000		(aQ)
109 t-Butyl-Alcohol	59	3.387	3.391	(0.456)	360116	500.000		(Q)
14 Acetonitrile	41	3.453	3.456	(0.465)	447709	500.000		(TaQ)
15 Iodomethane	142	3.671	3.685	(0.494)	431322	50.0000		(aQ)
16 Methyl Acetate	43	3.742	3.744	(0.504)	275761	50.0000		(TaQ)
17 Allyl Chloride	41	3.763	3.764	(0.507)	435707	50.0000		(aQ)
18 Carbon Disulfide	76	3.914	3.921	(0.527)	799064	50.0000		(aQ)
19 Methylene Chloride	49	3.972	3.982	(0.535)	416419	50.0000		(aQ)
20 Acrylonitrile	53	4.171	4.171	(0.561)	287920	100.000		(aQ)
21 Methyl-tert-butyl ether	73	4.214	4.219	(0.567)	925280	50.0000		(aQ)
22 trans 1,2-Dichloroethene	61	4.403	4.404	(0.593)	430775	50.0000		(aQ)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	
	23 1,1-Dichloroethane	63	5.069	5.069	(0.682)	531923	50.0000		(aQ)
	24 Vinyl Acetate	43	5.125	5.127	(0.690)	386977	50.0000		(aQ)
	25 Chloroprene	53	5.201	5.202	(0.700)	533738	50.0000		(aQ)
	26 2-Butanone	43	5.728	5.730	(0.771)	318614	100.000		(aQ)
	27 Propionitrile	54	5.828	5.828	(0.784)	528166	500.000		(aQ)
	28 2,2-Dichloropropane	77	5.876	5.877	(0.791)	249871	50.0000		(aQ)
	29 cis-1,2-Dichloroethene	96	5.941	5.939	(0.800)	286685	50.0000		(aQ)
	30 Methyacrylonitrile	67	6.087	6.089	(0.819)	1283403	500.000		(aQ)
	31 Isobutyl Alcohol	43	6.157	6.156	(0.829)	192951	1000.00		(TaQ)
	32 Chloroform	83	6.151	6.153	(0.828)	542826	50.0000		(aQ)
	33 Bromochloromethane	49	6.354	6.355	(0.855)	272455	50.0000		(Q)
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.433	6.433	(0.866)	263979	50.0000		(aQ)
	35 1,1,1-Trichloroethane	97	6.654	6.653	(0.896)	427603	50.0000		(aQ)
	36 Cyclohexane	56	6.656	6.655	(0.896)	503032	50.0000		(aQ)
	37 1,1-Dichloropropene	75	6.851	6.850	(0.922)	377687	50.0000		(aQ)
	38 Carbon tetrachloride	117	6.957	6.957	(0.936)	304284	50.0000		(aQ)
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.053	7.053	(0.949)	59348	50.0000		(aQ)
	40 1,2-Dichloroethane	62	7.164	7.164	(0.964)	491069	50.0000		(aQ)
	41 Benzene	78	7.165	7.165	(0.964)	1050545	50.0000		(aQ)
*	42 FLUOROBENZENE (IS)	96	7.430	7.429	(1.000)	989333	50.0000		(Q)
	43 Trichloroethylene	130	7.877	7.877	(1.060)	286497	50.0000		(aQ)
	44 Methyl Cyclohexane	55	7.935	7.935	(1.068)	367549	50.0000		(aQ)
	45 1,2-Dichloropropane	63	8.079	8.079	(1.087)	293722	50.0000		(aQ)
	46 Methyl Methacrylate	69	8.176	8.177	(1.100)	199525	50.0000		(aQ)
	47 Bromodichloromethane	83	8.332	8.332	(1.121)	402581	50.0000		(aQ)
	48 1,4 Dioxane	88	8.374	8.374	(1.127)	68780	1000.00		(aQ)
	49 Dibromomethane	93	8.384	8.383	(1.128)	196552	50.0000		(aQ)
	50 4-Methyl-2-Pentanone	43	8.720	8.721	(0.663)	731381	100.000		(aQ)
	51 2-Hexanone	43	9.631	9.631	(0.898)	523365	100.000		(aQ)
	52 cis 1,3-Dichloropropene	75	8.926	8.926	(1.201)	479675	50.0000		(aQ)
$	53 TOLUENE d8 (surr)	98	9.172	9.172	(1.235)	988505	50.0000		(aQ)
	54 Toluene	92	9.254	9.254	(1.246)	688374	50.0000		(aQ)
	55 trans 1,3-Dichloropropene	75	9.455	9.455	(1.273)	448678	50.0000		(aQ)
	56 Ethyl Methacrylate	69	9.456	9.456	(1.273)	370391	50.0000		(aQ)
	57 1,1,2-Trichloroethane	97	9.612	9.612	(1.294)	265087	50.0000		(aQ)
	58 1,3-Dichloropropane	76	9.872	9.872	(0.920)	457108	50.0000		(aQ)
	59 Tetrachloroethylene	164	9.926	9.926	(0.925)	214107	50.0000		(aQ)
	60 Dibromochloromethane	129	10.134	10.135	(0.945)	289228	50.0000		(aQ)
	61 1,2-Dibromoethane	107	10.338	10.338	(0.964)	283061	50.0000		(aQ)
	62 1-Chlorohexane	91	10.511	10.511	(0.980)	340155	50.0000		(aQ)
*	63 CHLOROBENZENE d5 (IS)	117	10.726	10.726	(1.000)	712434	50.0000		(Q)
	64 Chlorobenzene	112	10.764	10.765	(1.004)	772935	50.0000		(aQ)
	65 1,1,1,2-Tetrachloroethane	131	10.811	10.811	(1.008)	242048	50.0000		(aQ)
	66 Ethylbenzene	106	10.819	10.820	(1.009)	398787	50.0000		(aQ)
	67 p,m-Xylene	106	10.897	10.897	(1.016)	1040000	100.000		(aQ)
	68 o-Xylene	91	11.339	11.335	(1.057)	1219016	50.0000		(aQ)
	69 Styrene	104	11.374	11.374	(1.060)	892713	50.0000		(aQ)
	70 Bromoform	173	11.714	11.715	(1.092)	200465	50.0000		(aQ)
	71 1-Methylethylbenzene	105	11.699	11.700	(0.890)	1339711	50.0000		(aQ)
	72 1,4-Dichloro-2-Butene	53	11.368	11.369	(0.865)	8549	100.000		(aQ)
	73 1,1,2,2-Tetrachloroethane	83	11.875	11.876	(0.903)	351787	50.0000		(aQ)
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.952	11.953	(0.909)	421374	50.0000		(aQ)
	75 1,2,3- trichloropropane	110	12.023	12.023	(0.915)	132866	50.0000		(aQ)
	76 n-Propylbenzene	91	12.103	12.104	(0.921)	1682488	50.0000		(aQ)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	
77	Bromobenzene	77	12.146	12.147	(0.924)	608751	50.0000		(aQ)
78	1,3,5-Trimethylbenzene	105	12.262	12.263	(0.933)	1233690	50.0000		(aQ)
79	2-Chlorotoluene	91	12.282	12.283	(0.934)	1173406	50.0000		(aQ)
80	4-Chlorotoluene	91	12.330	12.330	(0.938)	1134128	50.0000		(aQ)
81	tert-Butylbenzene	119	12.622	12.622	(0.960)	1099519	50.0000		(aQ)
82	1,2,4-trimethylbenzene	105	12.658	12.658	(0.963)	1246180	50.0000		(aQ)
83	sec-Butylbenzene	105	12.834	12.835	(0.976)	1385901	50.0000		(aQ)
84	p-Isopropyltoluene	119	12.972	12.972	(0.987)	1222058	50.0000		(aQ)
85	1,3-Dichlorobenzene	146	13.070	13.070	(0.994)	636731	50.0000		(aQ)
* 86	1,4-DICHLOROBENZENE-d4 (IS)	152	13.145	13.145	(1.000)	411829	50.0000		(Q)
87	1,4-Dichlorobenzene	146	13.176	13.177	(1.002)	630969	50.0000		(aQ)
88	Benzyl Chloride	91	13.295	13.295	(1.011)	458652	50.0000		(aQ)
89	n-Butylbenzene	91	13.384	13.384	(1.018)	1064855	50.0000		(aQ)
90	1,2-Dichlorobenzene	146	13.549	13.550	(1.031)	625011	50.0000		(aQ)
91	1,2-dibromo-3-chloropropane	75	14.303	14.304	(1.088)	74732	50.0000		(aQ)
92	1,2,4-Trichlorobenzene	180	14.987	14.998	(1.140)	366669	50.0000		(aQ)
93	Hexachlorobutadiene	223	15.086	15.098	(1.148)	91760	50.0000		(aQ)
94	Naphthalene	128	15.173	15.187	(1.154)	972865	50.0000		(aQ)
95	1,2,3-trichlorobenzene	180	15.343	15.360	(1.167)	322200	50.0000		(aQ)
103	Isopropyl Ether	45	4.959	4.961	(0.667)	1044800	50.0000		(Q)
104	Ethyl acetate	43	5.986	5.987	(0.806)	631496	100.000		(Q)
105	Cyclohexanone	55	11.760	11.760	(1.096)	496112	500.000		(aQ)
106	Ethyl ether	59	2.850	2.852	(0.384)	292613	50.0000		(aQ)
107	2-Nitropropane	43	8.427	8.428	(1.134)	150102	100.000		(aQ)
108	Tetrahydrofuran	42	6.417	6.417	(0.864)	183523	100.000		(aQ)
112	2-Cleve	63	8.691	8.691	(1.170)	353199	100.000		(TaQ)

QC Flag Legend

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

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 50PPB.D
Lab Smp Id: 50PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3052207C.b\8260A.m
Misc Info:

Calibration Date: 22-MAY-2007
Calibration Time: 08:17
Client Smp ID: 50PPBCAL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	989333	494667	1978666	989333	0.00
63 CHLOROBENZENE d5	712434	356217	1424868	712434	0.00
86 1,4-DICHLOROBENZE	411829	205915	823658	411829	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.00
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	0.00
86 1,4-DICHLOROBENZE	13.15	12.65	13.65	13.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3052207C.b\50PPB.D

Page 5

Date : 22-MAY-2007 08:17

Client ID: 50PPBCAL

Instrument: vms03.i

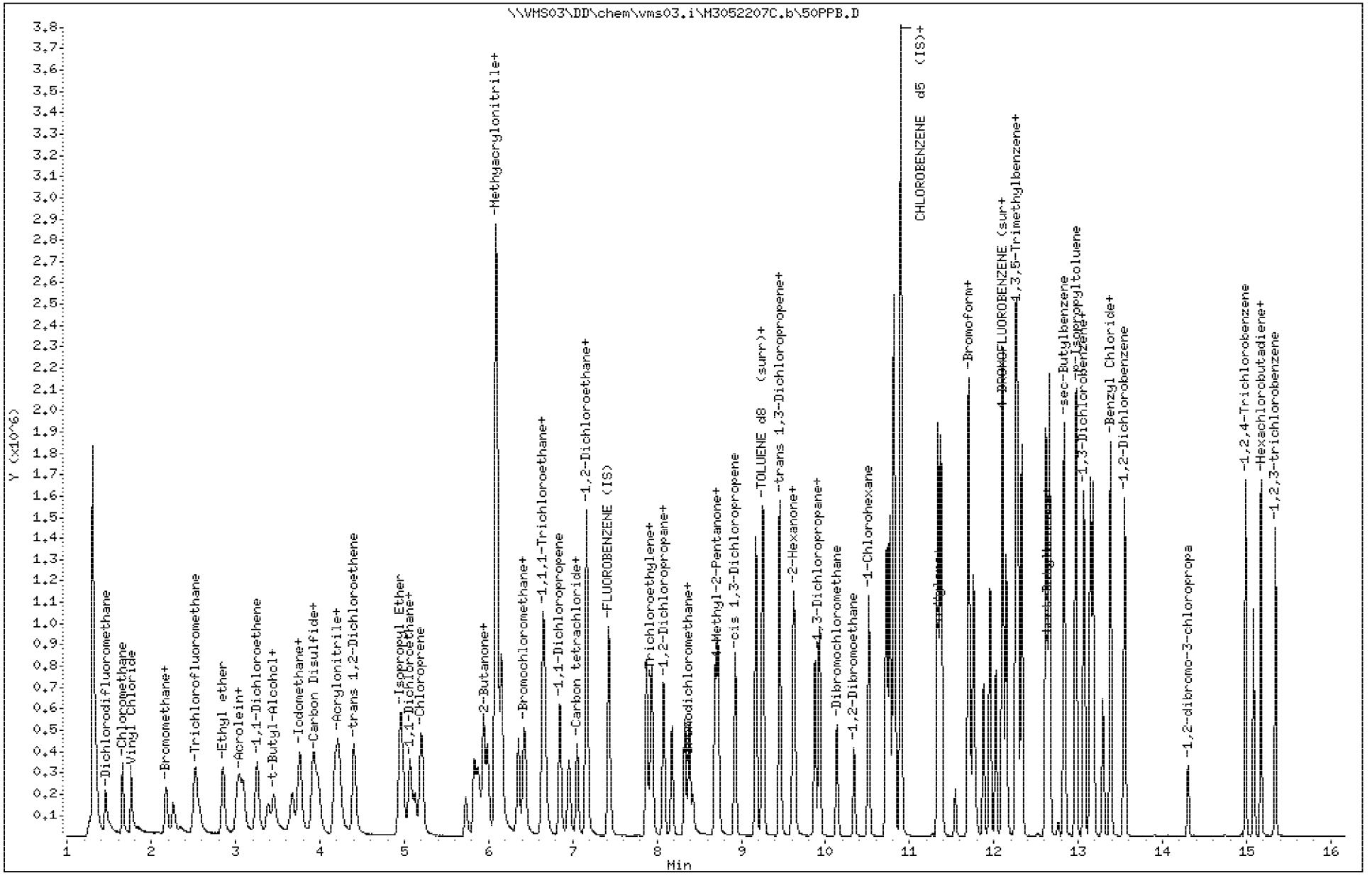
Sample Info: 50PPBCAL

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3052207C.b\60PPB.D
Lab Smp Id: 60PPBCAL Client Smp ID: 60PPBCAL
Inj Date : 22-MAY-2007 08:40
Operator : Inst ID: vms03.i
Smp Info : 60PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3052207C.b\8260A.m
Meth Date : 18-Jun-2007 14:11 lpelo Quant Type: ISTD
Cal Date : 22-MAY-2007 06:22 Cal File: 1PPB.D
Als bottle: 8 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				837941	120.000	(a)
M 2 Xylenes (Total)	100				2787707	180.000	(a)
M 3 Trihalomethanes (Total)	100				1720166	60.0000	(a)
4 Dichlorodifluoromethane	85	1.452	1.455	(0.195)	424864	60.0000	63.8
5 Chloromethane	50	1.662	1.662	(0.224)	455676	60.0000	59.9
6 Vinyl Chloride	62	1.761	1.760	(0.237)	310852	60.0000	53.4(T)
7 Bromomethane	96	2.186	2.181	(0.294)	230217	60.0000	64.0(Q)
8 Chloroethane	64	2.275	2.273	(0.306)	239296	60.0000	58.4(Q)
9 Trichlorofluoromethane	101	2.523	2.525	(0.340)	588435	60.0000	63.0
10 Acrolein	56	3.012	3.011	(0.405)	134469	120.000	124
11 1,1,2 Trichlorotrifluoromethan	101	3.055	3.053	(0.411)	355226	60.0000	68.0
12 Acetone	43	3.098	3.099	(0.417)	317394	120.000	114
13 1,1-Dichloroethene	61	3.265	3.264	(0.440)	588185	60.0000	64.4
109 t-Butyl-Alcohol	59	3.391	3.391	(0.456)	471229	600.000	694(Q)
14 Acetonitrile	41	3.454	3.456	(0.465)	596018	600.000	610
15 Iodomethane	142	3.686	3.685	(0.496)	491060	60.0000	64.2
16 Methyl Acetate	43	3.744	3.744	(0.504)	345735	60.0000	62.6(T)
17 Allyl Chloride	41	3.765	3.764	(0.507)	491508	60.0000	63.0(Q)
18 Carbon Disulfide	76	3.924	3.921	(0.528)	1040648	60.0000	63.8
19 Methylene Chloride	49	3.987	3.982	(0.537)	525724	60.0000	61.8
20 Acrylonitrile	53	4.172	4.171	(0.562)	346695	120.000	124
21 Methyl-tert-butyl ether	73	4.218	4.219	(0.568)	1029960	60.0000	61.5
22 trans 1,2-Dichloroethene	61	4.404	4.404	(0.593)	496234	60.0000	60.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	5.070	5.069	(0.682)	621255	60.0000	62.0
	24 Vinyl Acetate	43	5.127	5.127	(0.690)	459450	60.0000	52.1
	25 Chloroprene	53	5.201	5.202	(0.700)	609635	60.0000	62.3
	26 2-Butanone	43	5.728	5.730	(0.771)	388529	120.000	119
	27 Propionitrile	54	5.828	5.828	(0.784)	681166	600.000	631
	28 2,2-Dichloropropane	77	5.876	5.877	(0.791)	280538	60.0000	62.0
	29 cis-1,2-Dichloroethene	96	5.942	5.939	(0.800)	341707	60.0000	61.7(Q)
	30 Methyacrylonitrile	67	6.088	6.089	(0.819)	1606488	600.000	610
	31 Isobutyl Alcohol	43	6.156	6.156	(0.829)	266277	1200.00	1160(TQ)
	32 Chloroform	83	6.152	6.153	(0.828)	618968	60.0000	59.2
	33 Bromochloromethane	49	6.355	6.355	(0.855)	311132	60.0000	58.2
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.434	6.433	(0.866)	298789	60.0000	57.0
	35 1,1,1-Trichloroethane	97	6.654	6.653	(0.896)	514195	60.0000	63.0
	36 Cyclohexane	56	6.656	6.655	(0.896)	629079	60.0000	64.8
	37 1,1-Dichloropropene	75	6.850	6.850	(0.922)	458109	60.0000	63.3
	38 Carbon tetrachloride	117	6.957	6.957	(0.936)	376132	60.0000	67.1
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.053	7.053	(0.949)	65939	60.0000	56.8(Q)
	40 1,2-Dichloroethane	62	7.164	7.164	(0.964)	594212	60.0000	61.1
	41 Benzene	78	7.166	7.165	(0.965)	1255080	60.0000	60.5
*	42 FLUOROBENZENE (IS)	96	7.429	7.429	(1.000)	953647	50.0000	
	43 Trichloroethylene	130	7.877	7.877	(1.060)	343005	60.0000	63.4
	44 Methyl Cyclohexane	55	7.935	7.935	(1.068)	455356	60.0000	64.9
	45 1,2-Dichloropropane	63	8.079	8.079	(1.087)	355846	60.0000	60.3
	46 Methyl Methacrylate	69	8.176	8.177	(1.101)	239916	60.0000	62.7
	47 Bromodichloromethane	83	8.332	8.332	(1.122)	487988	60.0000	64.0
	48 1,4 Dioxane	88	8.373	8.374	(1.127)	85378	1200.00	1330(Q)
	49 Dibromomethane	93	8.383	8.383	(1.128)	236023	60.0000	62.0
	50 4-Methyl-2-Pentanone	43	8.720	8.721	(0.663)	880303	120.000	119(M)
	51 2-Hexanone	43	9.630	9.631	(0.898)	607797	120.000	123
	52 cis 1,3-Dichloropropene	75	8.926	8.926	(1.201)	580135	60.0000	66.2
$	53 TOLUENE d8 (surr)	98	9.172	9.172	(1.235)	1148415	60.0000	58.8
	54 Toluene	92	9.254	9.254	(1.246)	823886	60.0000	60.7
	55 trans 1,3-Dichloropropene	75	9.454	9.455	(1.273)	560131	60.0000	70.5
	56 Ethyl Methacrylate	69	9.456	9.456	(1.273)	463345	60.0000	67.7
	57 1,1,2-Trichloroethane	97	9.612	9.612	(1.294)	329441	60.0000	63.4
	58 1,3-Dichloropropane	76	9.872	9.872	(0.920)	556089	60.0000	59.7
	59 Tetrachloroethylene	164	9.926	9.926	(0.925)	267626	60.0000	60.2
	60 Dibromochloromethane	129	10.134	10.135	(0.945)	361394	60.0000	70.5
	61 1,2-Dibromoethane	107	10.338	10.338	(0.964)	351815	60.0000	66.1
	62 1-Chlorohexane	91	10.510	10.511	(0.980)	420729	60.0000	64.5
*	63 CHLOROBENZENE d5 (IS)	117	10.726	10.726	(1.000)	692248	50.0000	
	64 Chlorobenzene	112	10.764	10.765	(1.004)	949818	60.0000	61.8
	65 1,1,1,2-Tetrachloroethane	131	10.809	10.811	(1.008)	301882	60.0000	68.1(Q)
	66 Ethylbenzene	106	10.819	10.820	(1.009)	492131	60.0000	61.9
	67 p,m-Xylene	106	10.897	10.897	(1.016)	1267275	120.000	122
	68 o-Xylene	91	11.334	11.335	(1.057)	1520432	60.0000	62.9
	69 Styrene	104	11.373	11.374	(1.060)	1084392	60.0000	65.0
	70 Bromoform	173	11.714	11.715	(1.092)	251816	60.0000	73.3
	71 1-Methylethylbenzene	105	11.699	11.700	(0.890)	1675751	60.0000	61.2
	72 1,4-Dichloro-2-Butene	53	11.368	11.369	(0.865)	11059	120.000	108(Q)
	73 1,1,2,2-Tetrachloroethane	83	11.875	11.876	(0.903)	435270	60.0000	58.8
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.953	11.953	(0.909)	505559	60.0000	56.7
	75 1,2,3- trichloropropane	110	12.023	12.023	(0.915)	154006	60.0000	58.0
	76 n-Propylbenzene	91	12.103	12.104	(0.921)	2096570	60.0000	59.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	12.146	12.147	(0.924)	747821	60.0000	58.9
78 1,3,5-Trimethylbenzene	105	12.263	12.263	(0.933)	1560073	60.0000	62.7
79 2-Chlorotoluene	91	12.282	12.283	(0.934)	1482768	60.0000	59.9
80 4-Chlorotoluene	91	12.329	12.330	(0.938)	1424517	60.0000	59.4
81 tert-Butylbenzene	119	12.622	12.622	(0.960)	1419873	60.0000	62.5
82 1,2,4-trimethylbenzene	105	12.658	12.658	(0.963)	1550513	60.0000	62.3
83 sec-Butylbenzene	105	12.834	12.835	(0.976)	1774853	60.0000	63.7
84 p-Isopropyltoluene	119	12.972	12.972	(0.987)	1557501	60.0000	64.2
85 1,3-Dichlorobenzene	146	13.070	13.070	(0.994)	805951	60.0000	62.4
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.145	13.145	(1.000)	406977	50.0000	
87 1,4-Dichlorobenzene	146	13.177	13.177	(1.002)	790036	60.0000	59.7
88 Benzyl Chloride	91	13.295	13.295	(1.011)	594360	60.0000	78.3
89 n-Butylbenzene	91	13.384	13.384	(1.018)	1368303	60.0000	65.5
90 1,2-Dichlorobenzene	146	13.550	13.550	(1.031)	783935	60.0000	61.2
91 1,2-dibromo-3-chloropropane	75	14.302	14.304	(1.088)	94804	60.0000	72.5
92 1,2,4-Trichlorobenzene	180	14.991	14.998	(1.140)	476392	60.0000	67.5
93 Hexachlorobutadiene	223	15.090	15.098	(1.148)	121417	60.0000	62.2
94 Naphthalene	128	15.178	15.187	(1.155)	1282811	60.0000	71.6
95 1,2,3-trichlorobenzene	180	15.350	15.360	(1.168)	412436	60.0000	64.3
103 Isopropyl Ether	45	4.960	4.961	(0.668)	1161872	60.0000	60.1
104 Ethyl acetate	43	5.986	5.987	(0.806)	731280	120.000	117
105 Cyclohexanone	55	11.759	11.760	(1.096)	596765	600.000	674
106 Ethyl ether	59	2.851	2.852	(0.384)	313234	60.0000	60.7(Q)
107 2-Nitropropane	43	8.427	8.428	(1.134)	177893	120.000	129
108 Tetrahydrofuran	42	6.416	6.417	(0.864)	219061	120.000	92.5
112 2-Cleve	63	8.691	8.691	(1.170)	430067	120.000	134(TQ)

QC Flag Legend

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

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 60PPB.D
Lab Smp Id: 60PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3052207C.b\8260A.m
Misc Info:

Calibration Date: 22-MAY-2007
Calibration Time: 08:17
Client Smp ID: 60PPBCAL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	989333	494667	1978666	953647	-3.61
63 CHLOROBENZENE d5	712434	356217	1424868	692248	-2.83
86 1,4-DICHLOROBENZE	411829	205915	823658	406977	-1.18

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	-0.00
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	-0.00
86 1,4-DICHLOROBENZE	13.15	12.65	13.65	13.15	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3052207C.b\60PPB.D

Date : 22-MAY-2007 08:40

Client ID: 60PPBCAL

Instrument: vms03.i

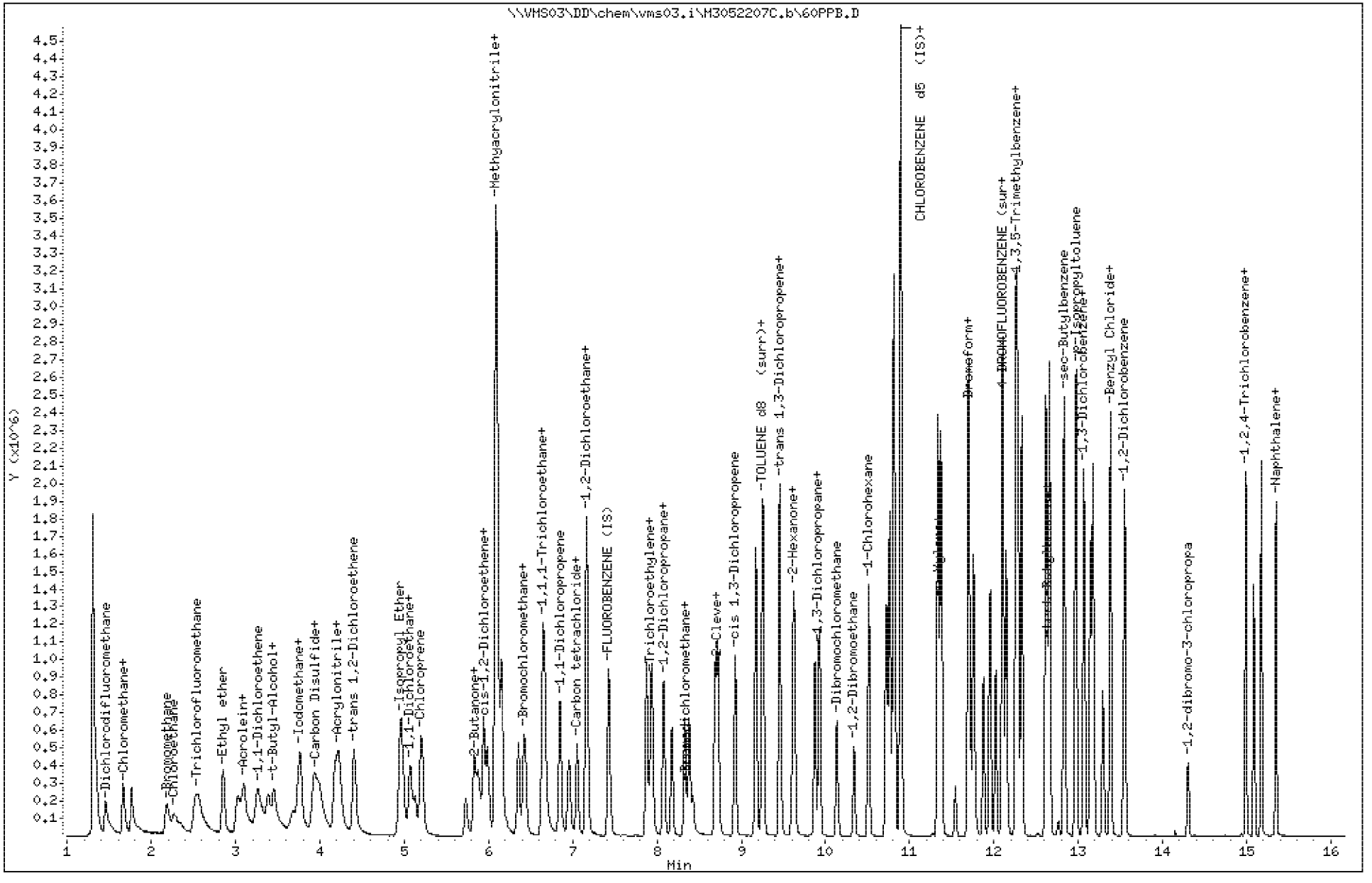
Sample Info: 60PPBCAL

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3052207C.b\80PPB.D
Lab Smp Id: 80PPBCAL Client Smp ID: 80PPBCAL
Inj Date : 22-MAY-2007 09:03
Operator : Inst ID: vms03.i
Smp Info : 80PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3052207C.b\8260A.m
Meth Date : 18-Jun-2007 14:11 lpelo Quant Type: ISTD
Cal Date : 22-MAY-2007 08:40 Cal File: 60PPB.D
Als bottle: 9 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				1112529	160.000	(a)
M 2 Xylenes (Total)	100				3735820	240.000	(a)
M 3 Trihalomethanes (Total)	100				2302548	80.0000	(a)
4 Dichlorodifluoromethane	85	1.455	1.455	(0.196)	561596	80.0000	83.2(A)
5 Chloromethane	50	1.662	1.662	(0.224)	584982	80.0000	76.6
6 Vinyl Chloride	62	1.760	1.760	(0.237)	390224	80.0000	67.8
7 Bromomethane	96	2.181	2.181	(0.294)	298023	80.0000	81.7(A)
8 Chloroethane	64	2.273	2.273	(0.306)	305851	80.0000	74.6
9 Trichlorofluoromethane	101	2.525	2.525	(0.340)	773724	80.0000	81.9(A)
10 Acrolein	56	3.011	3.011	(0.405)	172572	160.000	157
11 1,1,2 Trichlorotrifluoromethan	101	3.053	3.053	(0.411)	472131	80.0000	88.3(A)
12 Acetone	43	3.099	3.099	(0.417)	418462	160.000	151
13 1,1-Dichloroethene	61	3.264	3.264	(0.439)	775779	80.0000	83.7(A)
109 t-Butyl-Alcohol	59	3.391	3.391	(0.457)	616824	800.000	884(A)
14 Acetonitrile	41	3.456	3.456	(0.465)	755811	800.000	768
15 Iodomethane	142	3.685	3.685	(0.496)	629442	80.0000	81.1
16 Methyl Acetate	43	3.744	3.744	(0.504)	455877	80.0000	81.6(A)
17 Allyl Chloride	41	3.764	3.764	(0.507)	667192	80.0000	84.5(A)
18 Carbon Disulfide	76	3.921	3.921	(0.528)	1367360	80.0000	82.7(A)
19 Methylene Chloride	49	3.982	3.982	(0.536)	692825	80.0000	80.8(A)
20 Acrylonitrile	53	4.171	4.171	(0.562)	462834	160.000	164(A)
21 Methyl-tert-butyl ether	73	4.219	4.219	(0.568)	1387024	80.0000	82.1(A)
22 trans 1,2-Dichloroethene	61	4.404	4.404	(0.593)	661099	80.0000	80.3(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	5.069	5.069	(0.682)	821659	80.0000	81.2(A)
	24 Vinyl Acetate	43	5.127	5.127	(0.690)	570490	80.0000	65.6
	25 Chloroprene	53	5.202	5.202	(0.700)	814336	80.0000	82.3(A)
	26 2-Butanone	43	5.730	5.730	(0.771)	518495	160.000	158
	27 Propionitrile	54	5.828	5.828	(0.785)	882469	800.000	808(A)
	28 2,2-Dichloropropane	77	5.877	5.877	(0.791)	360315	80.0000	79.0
	29 cis-1,2-Dichloroethene	96	5.939	5.939	(0.799)	451430	80.0000	80.8(A)
	30 Methyacrylonitrile	67	6.089	6.089	(0.820)	2122487	800.000	800(A)
	31 Isobutyl Alcohol	43	6.156	6.156	(0.829)	349789	1600.00	1520(T)
	32 Chloroform	83	6.153	6.153	(0.828)	834528	80.0000	79.6
	33 Bromochloromethane	49	6.355	6.355	(0.855)	413934	80.0000	77.4
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.433	6.433	(0.866)	391202	80.0000	74.9
	35 1,1,1-Trichloroethane	97	6.653	6.653	(0.896)	670183	80.0000	81.1(A)
	36 Cyclohexane	56	6.655	6.655	(0.896)	822133	80.0000	83.3(A)
	37 1,1-Dichloropropene	75	6.850	6.850	(0.922)	596596	80.0000	81.4(A)
	38 Carbon tetrachloride	117	6.957	6.957	(0.936)	494046	80.0000	86.3(A)
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.053	7.053	(0.949)	92010	80.0000	79.6(Q)
	40 1,2-Dichloroethane	62	7.164	7.164	(0.964)	786294	80.0000	80.2(A)
	41 Benzene	78	7.165	7.165	(0.964)	1686563	80.0000	80.9(A)
*	42 FLUOROBENZENE (IS)	96	7.429	7.429	(1.000)	958069	50.0000	
	43 Trichloroethylene	130	7.877	7.877	(1.060)	456804	80.0000	83.4(A)
	44 Methyl Cyclohexane	55	7.935	7.935	(1.068)	610816	80.0000	85.6(A)
	45 1,2-Dichloropropane	63	8.079	8.079	(1.087)	464201	80.0000	78.2
	46 Methyl Methacrylate	69	8.177	8.177	(1.101)	321564	80.0000	83.1(A)
	47 Bromodichloromethane	83	8.332	8.332	(1.122)	648035	80.0000	83.8(A)
	48 1,4 Dioxane	88	8.374	8.374	(1.127)	118400	1600.00	1800(TA)
	49 Dibromomethane	93	8.383	8.383	(1.128)	314101	80.0000	81.8(A)
	50 4-Methyl-2-Pentanone	43	8.721	8.721	(0.663)	1116270	160.000	150
	51 2-Hexanone	43	9.631	9.631	(0.898)	816572	160.000	164(A)
	52 cis 1,3-Dichloropropene	75	8.926	8.926	(1.202)	794142	80.0000	88.8(A)
$	53 TOLUENE d8 (surr)	98	9.172	9.172	(1.235)	1535419	80.0000	78.5
	54 Toluene	92	9.254	9.254	(1.246)	1113522	80.0000	81.5(A)
	55 trans 1,3-Dichloropropene	75	9.455	9.455	(1.273)	751663	80.0000	91.9(A)
	56 Ethyl Methacrylate	69	9.456	9.456	(1.273)	612108	80.0000	87.4
	57 1,1,2-Trichloroethane	97	9.612	9.612	(1.294)	429689	80.0000	81.7(A)
	58 1,3-Dichloropropane	76	9.872	9.872	(0.920)	742678	80.0000	79.4
	59 Tetrachloroethylene	164	9.926	9.926	(0.925)	357085	80.0000	79.9
	60 Dibromochloromethane	129	10.135	10.135	(0.945)	474973	80.0000	90.0(A)
	61 1,2-Dibromoethane	107	10.338	10.338	(0.964)	466516	80.0000	86.0(A)
	62 1-Chlorohexane	91	10.511	10.511	(0.980)	574441	80.0000	86.7(A)
*	63 CHLOROBENZENE d5 (IS)	117	10.726	10.726	(1.000)	695625	50.0000	
	64 Chlorobenzene	112	10.765	10.765	(1.004)	1256251	80.0000	81.0(A)
	65 1,1,1,2-Tetrachloroethane	131	10.811	10.811	(1.008)	404360	80.0000	89.0(A)
	66 Ethylbenzene	106	10.820	10.820	(1.009)	661451	80.0000	82.5(A)
	67 p,m-Xylene	106	10.897	10.897	(1.016)	1720051	160.000	165(A)
	68 o-Xylene	91	11.335	11.335	(1.057)	2015769	80.0000	82.4(A)
	69 Styrene	104	11.374	11.374	(1.060)	1457627	80.0000	85.9(A)
	70 Bromoform	173	11.715	11.715	(1.092)	345012	80.0000	96.9(A)
	71 1-Methylethylbenzene	105	11.700	11.700	(0.890)	2226888	80.0000	80.5(A)
	72 1,4-Dichloro-2-Butene	53	11.369	11.369	(0.865)	15287	160.000	150
	73 1,1,2,2-Tetrachloroethane	83	11.876	11.876	(0.903)	574917	80.0000	77.3
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.953	11.953	(0.909)	674486	80.0000	75.7
	75 1,2,3- trichloropropane	110	12.023	12.023	(0.915)	214761	80.0000	80.6(A)
	76 n-Propylbenzene	91	12.104	12.104	(0.921)	2828656	80.0000	80.2(A)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	12.147	12.147	(0.924)	1006316	80.0000	78.8
78 1,3,5-Trimethylbenzene	105	12.263	12.263	(0.933)	2071348	80.0000	82.1(A)
79 2-Chlorotoluene	91	12.283	12.283	(0.934)	1991406	80.0000	79.8
80 4-Chlorotoluene	91	12.330	12.330	(0.938)	1915783	80.0000	79.4
81 tert-Butylbenzene	119	12.622	12.622	(0.960)	1869145	80.0000	81.2(A)
82 1,2,4-trimethylbenzene	105	12.658	12.658	(0.963)	2075319	80.0000	82.3(A)
83 sec-Butylbenzene	105	12.835	12.835	(0.976)	2376794	80.0000	83.9(A)
84 p-Isopropyltoluene	119	12.972	12.972	(0.987)	2066689	80.0000	83.7(A)
85 1,3-Dichlorobenzene	146	13.070	13.070	(0.994)	1062726	80.0000	81.2(A)
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.145	13.145	(1.000)	410051	50.0000	
87 1,4-Dichlorobenzene	146	13.177	13.177	(1.002)	1061034	80.0000	79.7
88 Benzyl Chloride	91	13.295	13.295	(1.011)	824994	80.0000	103
89 n-Butylbenzene	91	13.384	13.384	(1.018)	1763352	80.0000	82.7(A)
90 1,2-Dichlorobenzene	146	13.550	13.550	(1.031)	1032182	80.0000	79.7
91 1,2-dibromo-3-chloropropane	75	14.304	14.304	(1.088)	127822	80.0000	94.2(A)
92 1,2,4-Trichlorobenzene	180	14.998	14.998	(1.141)	625895	80.0000	86.5(A)
93 Hexachlorobutadiene	223	15.098	15.098	(1.149)	159944	80.0000	81.0(A)
94 Naphthalene	128	15.187	15.187	(1.155)	1705913	80.0000	92.0(A)
95 1,2,3-trichlorobenzene	180	15.360	15.360	(1.168)	551080	80.0000	84.4(A)
103 Isopropyl Ether	45	4.961	4.961	(0.668)	1550084	80.0000	79.8
104 Ethyl acetate	43	5.987	5.987	(0.806)	974849	160.000	156
105 Cyclohexanone	55	11.760	11.760	(1.096)	789019	800.000	872(A)
106 Ethyl ether	59	2.852	2.852	(0.384)	403984	80.0000	77.8
107 2-Nitropropane	43	8.428	8.428	(1.134)	237658	160.000	169(A)
108 Tetrahydrofuran	42	6.416	6.417	(0.864)	274685	160.000	119
112 2-Cleve	63	8.691	8.691	(1.170)	573670	160.000	175(TA)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 80PPB.D
Lab Smp Id: 80PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3052207C.b\8260A.m
Misc Info:

Calibration Date: 22-MAY-2007
Calibration Time: 08:17
Client Smp ID: 80PPBCAL
Level: LOW
Sample Type: WATER

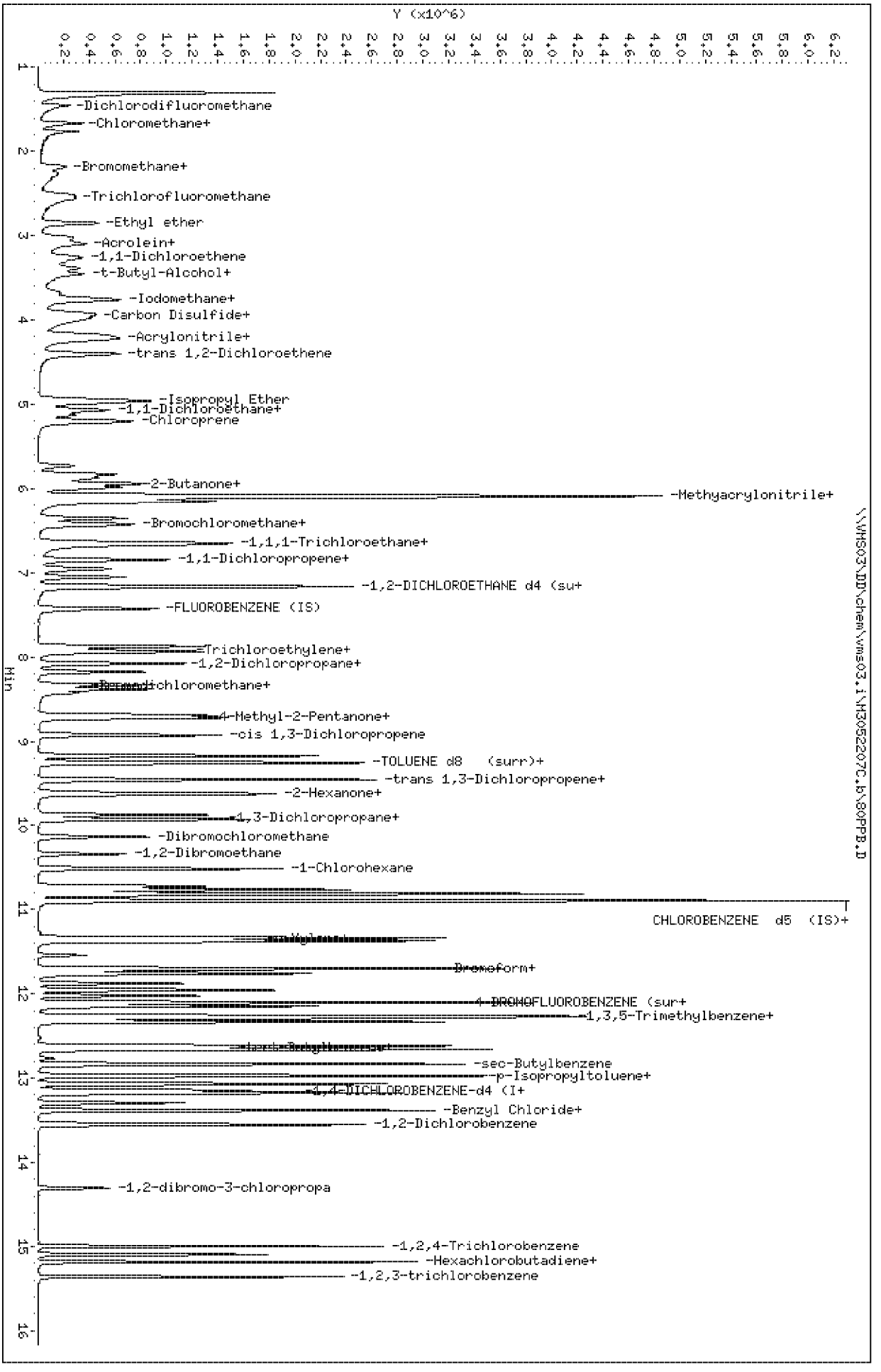
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	989333	494667	1978666	958069	-3.16
63 CHLOROBENZENE d5	712434	356217	1424868	695625	-2.36
86 1,4-DICHLOROBENZE	411829	205915	823658	410051	-0.43

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	-0.01
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	0.00
86 1,4-DICHLOROBENZE	13.15	12.65	13.65	13.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3052207C.b\80PPB.D
Date : 22-MAY-2007 09:03
Client ID: 80PPBCAL
Sample Info: 80PPBCAL
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



Page 5

PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3052207C.b\SEC32.D
Lab Smp Id: SEC32 Client Smp ID: SEC32
Inj Date : 22-MAY-2007 10:06
Operator : Inst ID: vms03.i
Smp Info : SEC32
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3052207C.b\8260A.m
Meth Date : 18-Jun-2007 14:11 lpelo Quant Type: ISTD
Cal Date : 22-MAY-2007 09:03 Cal File: 80PPB.D
Als bottle: 1 QC Sample: SSC
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				729792	103.021	103
M 2 Xylenes (Total)	100				2428080	158.571	158
M 3 Trihalomethanes (Total)	100				1466000	208.979	209
4 Dichlorodifluoromethane	85	1.456	1.455	(0.196)	324796	46.7222	46.7
5 Chloromethane	50	1.661	1.662	(0.224)	377886	48.4982	48.5
6 Vinyl Chloride	62	1.760	1.760	(0.237)	258242	49.2280	49.2
7 Bromomethane	96	2.184	2.181	(0.294)	188483	50.2583	50.2
8 Chloroethane	64	2.273	2.273	(0.306)	201550	48.3756	48.4
9 Trichlorofluoromethane	101	2.525	2.525	(0.340)	483511	49.7788	49.8
10 Acrolein	56	3.009	3.011	(0.405)	95119	84.6727	84.7
11 1,1,2 Trichlorotrifluoromethan	101	3.048	3.053	(0.410)	298105	53.7056	53.7
12 Acetone	43	3.093	3.099	(0.416)	185618	70.3531	70.4
13 1,1-Dichloroethene	61	3.262	3.264	(0.439)	507584	53.1228	53.1
109 t-Butyl-Alcohol	59	3.383	3.391	(0.456)	395887	546.381	546
14 Acetonitrile	41	3.451	3.456	(0.465)	480251	478.269	478
15 Iodomethane	142	3.682	3.685	(0.496)	421049	52.8476	52.8
16 Methyl Acetate	43	3.741	3.744	(0.504)	260196	45.3181	45.3
17 Allyl Chloride	41	3.762	3.764	(0.507)	454874	55.8077	55.8
18 Carbon Disulfide	76	3.918	3.921	(0.528)	874162	51.3695	51.4
19 Methylene Chloride	49	3.981	3.982	(0.536)	446624	50.7199	50.7
20 Acrylonitrile	53	4.167	4.171	(0.561)	235235	81.1350	81.1
21 Methyl-tert-butyl ether	73	4.214	4.219	(0.567)	913686	52.6016	52.6
22 trans 1,2-Dichloroethene	61	4.400	4.404	(0.592)	432414	51.1894	51.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	23 1,1-Dichloroethane	63	5.065	5.069	(0.682)	547081	52.6337	52.6
	24 Vinyl Acetate	43	5.122	5.127	(0.690)	530382	60.8979	60.9
	25 Chloroprene	53	5.199	5.202	(0.700)	534699	52.5461	52.5
	26 2-Butanone	43	5.726	5.730	(0.771)	248172	74.0388	74.0
	27 Propionitrile	54	5.824	5.828	(0.784)	563365	502.617	503
	28 2,2-Dichloropropane	77	5.874	5.877	(0.791)	253719	54.3147	54.3
	29 cis-1,2-Dichloroethene	96	5.938	5.939	(0.799)	297378	51.8317	51.8
	30 Methyacrylonitrile	67	6.084	6.089	(0.819)	1363351	501.498	501
	31 Isobutyl Alcohol	43	6.151	6.156	(0.828)	231084	985.901	986(q)
	32 Chloroform	83	6.149	6.153	(0.828)	542571	50.4836	50.5
	33 Bromochloromethane	49	6.351	6.355	(0.855)	268249	49.1183	49.1
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.430	6.433	(0.866)	251721	47.4238	47.4
	35 1,1,1-Trichloroethane	97	6.650	6.653	(0.895)	443065	52.2172	52.2
	36 Cyclohexane	56	6.654	6.655	(0.896)	536534	52.7541	52.8
	37 1,1-Dichloropropene	75	6.848	6.850	(0.922)	395581	52.5518	52.6
	38 Carbon tetrachloride	117	6.955	6.957	(0.936)	310566	52.3908	52.4
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.050	7.053	(0.949)	55847	47.1397	47.1(q)
	40 1,2-Dichloroethane	62	7.162	7.164	(0.964)	501186	49.8687	49.9
	41 Benzene	78	7.163	7.165	(0.964)	1107858	51.7500	51.7
*	42 FLUOROBENZENE (IS)	96	7.427	7.429	(1.000)	982260	50.0000	
	43 Trichloroethylene	130	7.876	7.877	(1.060)	286885	50.8023	50.8
	44 Methyl Cyclohexane	55	7.935	7.935	(1.068)	394443	53.4677	53.5
	45 1,2-Dichloropropane	63	8.077	8.079	(1.087)	305089	50.2786	50.3
	46 Methyl Methacrylate	69	8.175	8.177	(1.101)	210467	52.8120	52.8
	47 Bromodichloromethane	83	8.330	8.332	(1.121)	420865	52.7881	52.8
	48 1,4 Dioxane	88	8.372	8.374	(1.127)	76181	1111.51	1110
	49 Dibromomethane	93	8.381	8.383	(1.128)	201191	50.9584	51.0
	50 4-Methyl-2-Pentanone	43	8.718	8.721	(0.663)	556212	77.9514	78.0
	51 2-Hexanone	43	9.630	9.631	(0.898)	402306	79.7316	79.7
	52 cis 1,3-Dichloropropene	75	8.925	8.926	(1.202)	511143	55.0223	55.0
$	53 TOLUENE d8 (surr)	98	9.171	9.172	(1.235)	975213	48.7677	48.8
	54 Toluene	92	9.252	9.254	(1.246)	728689	51.9221	51.9
	55 trans 1,3-Dichloropropene	75	9.453	9.455	(1.273)	476083	55.7319	55.7
	56 Ethyl Methacrylate	69	9.455	9.456	(1.273)	399918	55.0771	55.1
	57 1,1,2-Trichloroethane	97	9.611	9.612	(1.294)	279918	51.7670	51.8
	58 1,3-Dichloropropane	76	9.872	9.872	(0.920)	486992	51.7176	51.7
	59 Tetrachloroethylene	164	9.925	9.926	(0.925)	223906	49.7339	49.7
	60 Dibromochloromethane	129	10.133	10.135	(0.945)	298183	55.2052	55.2
	61 1,2-Dibromoethane	107	10.337	10.338	(0.964)	291465	52.8251	52.8
	62 1-Chlorohexane	91	10.510	10.511	(0.980)	375336	55.6448	55.6
*	63 CHLOROBENZENE d5 (IS)	117	10.725	10.726	(1.000)	701066	50.0000	
	64 Chlorobenzene	112	10.764	10.765	(1.004)	825358	52.6944	52.7
	65 1,1,1,2-Tetrachloroethane	131	10.810	10.811	(1.008)	251475	54.1829	54.2
	66 Ethylbenzene	106	10.819	10.820	(1.009)	428132	52.7567	52.8
	67 p,m-Xylene	106	10.896	10.897	(1.016)	1110385	105.322	105
	68 o-Xylene	91	11.336	11.335	(1.057)	1317695	53.2490	53.2
	69 Styrene	104	11.373	11.374	(1.060)	915838	53.0801	53.1
	70 Bromoform	173	11.714	11.715	(1.092)	204381	50.5025	50.5
	71 1-Methylethylbenzene	105	11.699	11.700	(0.890)	1425301	53.4001	53.4
	72 1,4-Dichloro-2-Butene	53	11.371	11.369	(0.865)	8713	99.3589	99.4(Q)
	73 1,1,2,2-Tetrachloroethane	83	11.875	11.876	(0.903)	386220	54.1197	54.1
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.952	11.953	(0.909)	422797	49.6219	49.6
	75 1,2,3- trichloropropane	110	12.023	12.023	(0.915)	135770	52.8293	52.8
	76 n-Propylbenzene	91	12.103	12.104	(0.921)	1797644	52.8446	52.8

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
77 Bromobenzene	77	12.147	12.147	(0.924)	648923	52.8364	52.8
78 1,3,5-Trimethylbenzene	105	12.262	12.263	(0.933)	1314950	53.8855	53.9
79 2-Chlorotoluene	91	12.282	12.283	(0.934)	1281822	53.3132	53.3
80 4-Chlorotoluene	91	12.329	12.330	(0.938)	1203289	51.7764	51.8
81 tert-Butylbenzene	119	12.622	12.622	(0.960)	1187757	53.4089	53.4
82 1,2,4-trimethylbenzene	105	12.658	12.658	(0.963)	1321929	54.1658	54.2
83 sec-Butylbenzene	105	12.834	12.835	(0.976)	1508426	54.8998	54.9
84 p-Isopropyltoluene	119	12.972	12.972	(0.987)	1298129	54.2280	54.2
85 1,3-Dichlorobenzene	146	13.069	13.070	(0.994)	669709	53.0027	53.0
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.144	13.145	(1.000)	395325	50.0000	
87 1,4-Dichlorobenzene	146	13.176	13.177	(1.002)	663235	51.6939	51.7
88 Benzyl Chloride	91	13.295	13.295	(1.011)	490386	53.7543	53.8
89 n-Butylbenzene	91	13.384	13.384	(1.018)	1127275	54.6344	54.6
90 1,2-Dichlorobenzene	146	13.549	13.550	(1.031)	638782	51.1873	51.2
91 1,2-dibromo-3-chloropropane	75	14.305	14.304	(1.088)	77034	57.6268	57.6
92 1,2,4-Trichlorobenzene	180	15.008	14.998	(1.142)	365920	51.9338	51.9
93 Hexachlorobutadiene	223	15.110	15.098	(1.150)	99067	51.9309	51.9
94 Naphthalene	128	15.200	15.187	(1.156)	1002468	55.0321	55.0
95 1,2,3-trichlorobenzene	180	15.375	15.360	(1.170)	319174	50.3418	50.3
103 Isopropyl Ether	45	4.954	4.961	(0.667)	1000237	50.2579	50.2
104 Ethyl acetate	43	5.983	5.987	(0.806)	612987	95.8064	95.8
105 Cyclohexanone	55	11.760	11.760	(1.096)	352204	381.815	382
106 Ethyl ether	59	2.848	2.852	(0.384)	260991	49.1786	49.2
107 2-Nitropropane	43	8.426	8.428	(1.134)	141147	97.4312	97.4
108 Tetrahydrofuran	42	6.415	6.417	(0.864)	180230	95.8739	95.9
112 2-Cleve	63	8.690	8.691	(1.170)	365314	107.509	108(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: SEC32.D
Lab Smp Id: SEC32
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3052207C.b\8260A.m
Misc Info:

Calibration Date: 22-MAY-2007
Calibration Time: 08:17
Client Smp ID: SEC32
Level: LOW
Sample Type: WATER

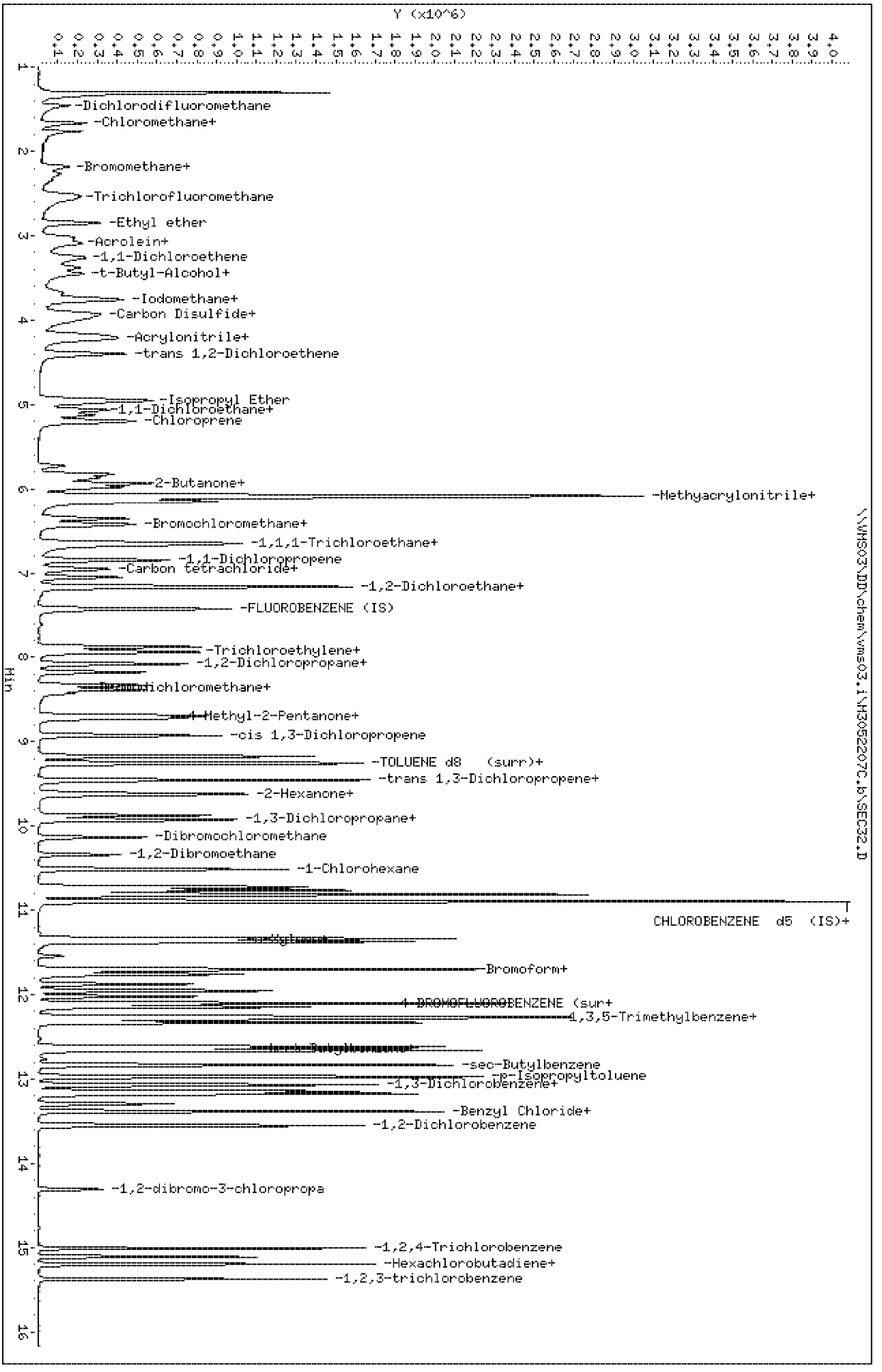
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	989333	494667	1978666	982260	-0.71
63 CHLOROBENZENE d5	712434	356217	1424868	701066	-1.60
86 1,4-DICHLOROBENZE	411829	205915	823658	395325	-4.01

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	-0.03
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	-0.01
86 1,4-DICHLOROBENZE	13.15	12.65	13.65	13.14	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VHS03\DD\chem\vms03.i\M3052207C.b\SEC32.D
Date : 22-MAY-2007 10:06
Client ID: SEC32
Sample Info: SEC32
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



Page 5

PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3061407.b\BFB31.D
Lab Smp Id: 061407BFBA31 Client Smp ID: 061407BFBA31
Inj Date : 14-JUN-2007 05:11
Operator : Inst ID: vms03.i
Smp Info : 061407BFBA31
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3061407.b\BFBE.m
Meth Date : 19-Jun-2007 14:48 lpelo Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: VOLS11

Concentration Formula: Amt * DF * CpndVariable
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 #: 74-83-9		
7.226	7.500	-0.274	95	94112			0.00- 100.00	100.00
7.226	7.500	-0.274	50	18659			15.00- 40.00	19.83
7.226	7.500	-0.274	75	45826			30.00- 60.00	48.69
7.226	7.500	-0.274	96	6302			5.00- 9.00	6.70
7.226	7.500	-0.274	173	803			0.00- 2.00	1.17
7.226	7.500	-0.274	174	68397			50.00- 100.00	72.68
7.226	7.500	-0.274	175	5432			5.00- 9.00	7.94
7.226	7.500	-0.274	176	66658			95.00- 101.00	97.46
7.226	7.500	-0.274	177	4497			5.00- 9.00	6.75

Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\BFB31.D

Date : 14-JUN-2007 05:11

Client ID: 061407BFBA31

Instrument: vms03.i

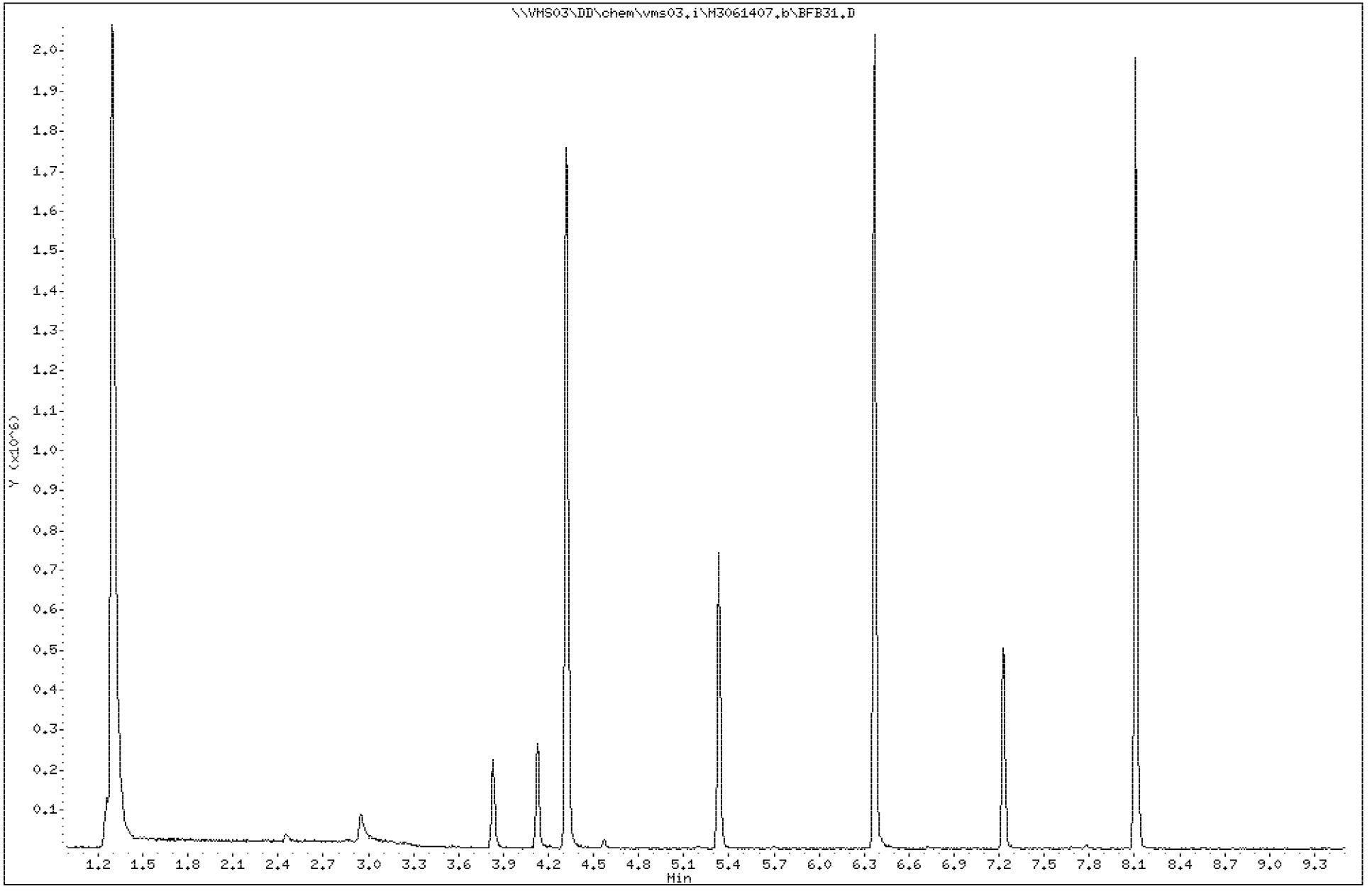
Sample Info: 061407BFBA31

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\BFB31.D

Date : 14-JUN-2007 05:11

Client ID: 061407BFBA31

Instrument: vms03.i

Sample Info: 061407BFBA31

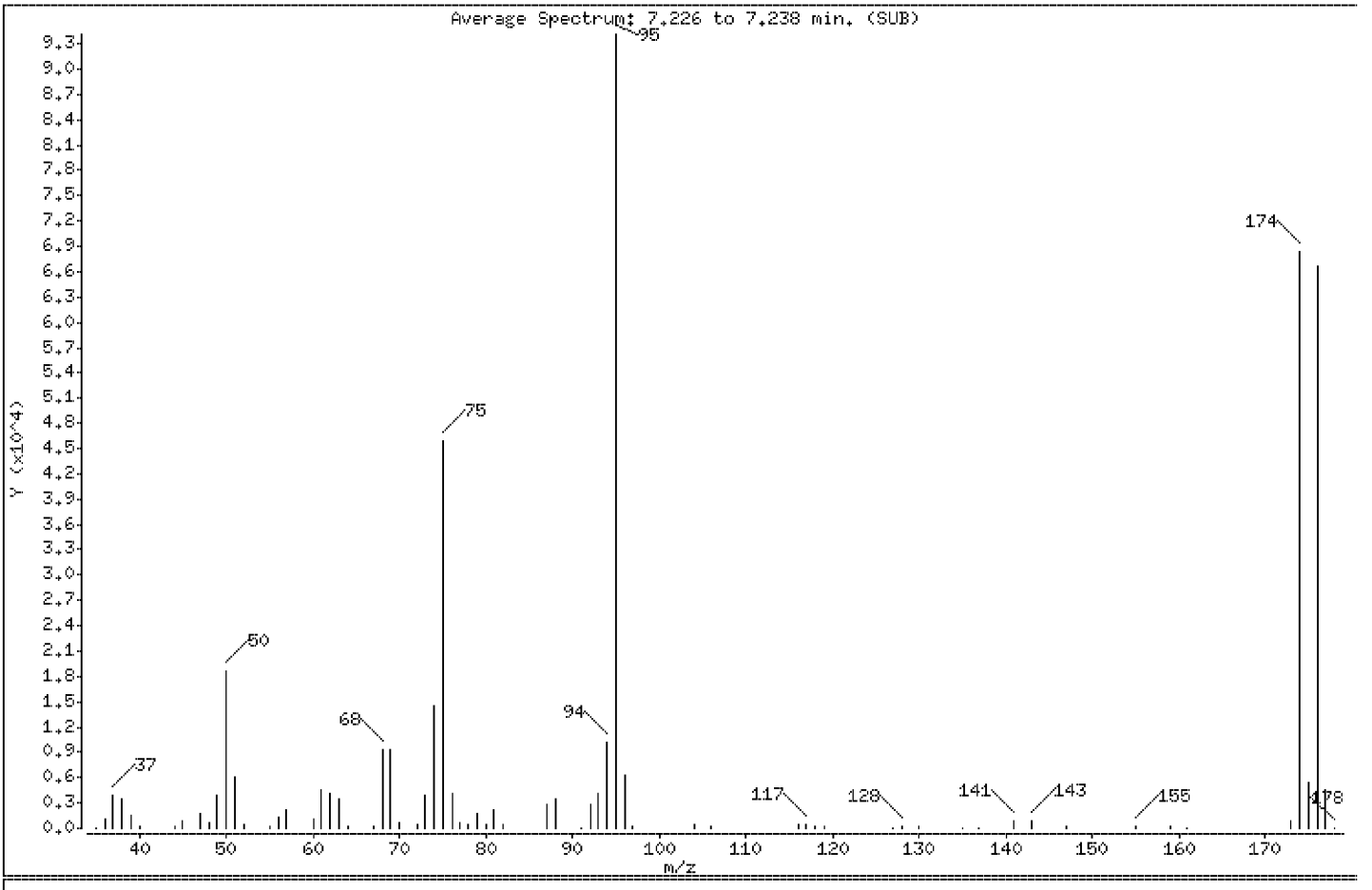
Purge Volume: 5.0

Operator:

Column phase: DB-624

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	19.83
75	30.00 - 60.00% of mass 95	48.69
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.85 (1.17)
174	50.00 - 100.00% of mass 95	72.68
175	5.00 - 9.00% of mass 174	5.77 (7.94)
176	95.00 - 101.00% of mass 174	70.83 (97.46)
177	5.00 - 9.00% of mass 176	4.78 (6.75)

Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\BFB31.D

Date : 14-JUN-2007 05:11

Client ID: 061407BFBA31 Instrument: vms03.i

Sample Info: 061407BFBA31

Purge Volume: 5.0 Operator:

Column phase: DB-624 Column diameter: 0.18

Data File: BFB31.D
Spectrum: Average Spectrum: 7.226 to 7.238 min. (SUB)
Location of Maximum: 95.00
Number of points: 69

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	87	61.00	4506	82.00	433	130.00	302
36.00	1080	62.00	4030	87.00	2809	135.00	97
37.00	3896	63.00	3453	88.00	3420	137.00	86
38.00	3527	64.00	262	91.00	101	141.00	854
39.00	1586	67.00	315	92.00	2861	143.00	954
40.00	284	68.00	9383	93.00	4064	147.00	136
44.00	270	69.00	9199	94.00	10070	155.00	229
45.00	883	70.00	655	95.00	94112	159.00	120
47.00	1647	72.00	463	96.00	6302	161.00	96
48.00	695	73.00	3899	97.00	132	173.00	803
49.00	3870	74.00	14417	104.00	354	174.00	68392
50.00	18656	75.00	45824	106.00	290	175.00	5432
51.00	6039	76.00	4115	116.00	359	176.00	66656
52.00	348	77.00	555	117.00	437	177.00	4497
55.00	236	78.00	430	118.00	114	178.00	90
56.00	1292	79.00	1683	119.00	148		
57.00	2249	80.00	416	127.00	88		
60.00	1001	81.00	2219	128.00	306		

PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D
Lab Smp Id: 061407CCVA32 Client Smp ID: 061407CCVA32
Inj Date : 14-JUN-2007 06:20
Operator : Inst ID: vms03.i
Smp Info : 061407CCV2A32
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3061407.b\8260A.m
Meth Date : 19-Jun-2007 09:56 vms03.i Quant Type: ISTD
Cal Date : 22-MAY-2007 09:03 Cal File: 80PPB.D
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				879418	100.000	(a)
M 2 Xylenes (Total)	100				2760142	150.000	(a)
M 3 Trihalomethanes (Total)	100				1754718	50.0000	(a)
4 Dichlorodifluoromethane	85	1.455	1.455	(0.196)	316054	50.0000	37.6
5 Chloromethane	50	1.671	1.671	(0.225)	440024	50.0000	46.7
6 Vinyl Chloride	62	1.763	1.763	(0.237)	286028	50.0000	44.8
7 Bromomethane	96	2.186	2.186	(0.294)	230775	50.0000	50.9
8 Chloroethane	64	2.276	2.276	(0.306)	252646	50.0000	50.1
9 Trichlorofluoromethane	101	2.525	2.525	(0.340)	514389	50.0000	43.8
10 Acrolein	56	3.013	3.013	(0.406)	158152	100.000	116
11 1,1,2 Trichlorotrifluoromethan	101	3.046	3.046	(0.410)	347856	50.0000	51.8
12 Acetone	43	3.099	3.099	(0.417)	341744	100.000	107
13 1,1-Dichloroethene	61	3.263	3.263	(0.439)	607701	50.0000	52.6
109 t-Butyl-Alcohol	59	3.391	3.391	(0.457)	394716	500.000	450(Q)
14 Acetonitrile	41	3.458	3.458	(0.465)	607401	500.000	500
15 Iodomethane	142	3.683	3.683	(0.496)	451323	50.0000	46.8
16 Methyl Acetate	43	3.746	3.746	(0.504)	329987	50.0000	47.5
17 Allyl Chloride	41	3.766	3.766	(0.507)	577445	50.0000	58.6
18 Carbon Disulfide	76	3.923	3.923	(0.528)	992828	50.0000	48.2
19 Methylene Chloride	49	3.950	3.950	(0.532)	578027	50.0000	54.3
20 Acrylonitrile	53	4.174	4.174	(0.562)	402606	100.000	115
21 Methyl-tert-butyl ether	73	4.220	4.220	(0.568)	1037554	50.0000	49.4
22 trans 1,2-Dichloroethene	61	4.404	4.404	(0.593)	523184	50.0000	51.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	5.070	5.070	(0.682)	669338	50.0000	53.2
	24 Vinyl Acetate	43	5.126	5.126	(0.690)	658106	50.0000	62.5
	25 Chloroprene	53	5.202	5.202	(0.700)	644900	50.0000	52.4
	26 2-Butanone	43	5.728	5.728	(0.771)	442434	100.000	109
	27 Propionitrile	54	5.828	5.828	(0.784)	628754	500.000	464
	28 2,2-Dichloropropane	77	5.878	5.878	(0.791)	292796	50.0000	51.8
	29 cis-1,2-Dichloroethene	96	5.939	5.939	(0.799)	356234	50.0000	51.3
	30 Methyacrylonitrile	67	6.088	6.088	(0.819)	1579164	500.000	480
	31 Isobutyl Alcohol	43	6.155	6.155	(0.828)	253336	1000.00	894(TQ)
	32 Chloroform	83	6.152	6.152	(0.828)	621066	50.0000	47.8
	33 Bromochloromethane	49	6.353	6.353	(0.855)	346411	50.0000	52.4
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.433	6.433	(0.866)	315129	50.0000	49.1
	35 1,1,1-Trichloroethane	97	6.655	6.655	(0.896)	513529	50.0000	50.0
	36 Cyclohexane	56	6.655	6.655	(0.896)	653286	50.0000	53.1
	37 1,1-Dichloropropene	75	6.850	6.850	(0.922)	471700	50.0000	51.8
	38 Carbon tetrachloride	117	6.956	6.956	(0.936)	412545	50.0000	57.5
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.053	7.053	(0.949)	74475	50.0000	52.0(Q)
	40 1,2-Dichloroethane	62	7.163	7.163	(0.964)	570238	50.0000	46.9
	41 Benzene	78	7.164	7.164	(0.964)	1327831	50.0000	51.3
*	42 FLUOROBENZENE (IS)	96	7.429	7.429	(1.000)	1187850	50.0000	
	43 Trichloroethylene	130	7.877	7.877	(1.060)	340584	50.0000	49.9
	44 Methyl Cyclohexane	55	7.935	7.935	(1.068)	497568	50.0000	55.8
	45 1,2-Dichloropropane	63	8.078	8.078	(1.087)	379344	50.0000	51.7
	46 Methyl Methacrylate	69	8.176	8.176	(1.100)	236626	50.0000	49.1
	47 Bromodichloromethane	83	8.331	8.331	(1.121)	508277	50.0000	52.7
	48 1,4 Dioxane	88	8.375	8.375	(1.127)	68764	1000.00	830(TQ)
	49 Dibromomethane	93	8.383	8.383	(1.128)	234323	50.0000	49.1
	50 4-Methyl-2-Pentanone	43	8.722	8.722	(0.664)	967843	100.000	109(M)
	51 2-Hexanone	43	9.630	9.630	(0.898)	662390	100.000	106
	52 cis 1,3-Dichloropropene	75	8.925	8.925	(1.201)	637761	50.0000	56.8
$	53 TOLUENE d8 (surr)	98	9.171	9.171	(1.234)	1256465	50.0000	52.0
	54 Toluene	92	9.253	9.253	(1.245)	864322	50.0000	50.9
	55 trans 1,3-Dichloropropene	75	9.454	9.454	(1.272)	578013	50.0000	56.0
	56 Ethyl Methacrylate	69	9.455	9.455	(1.273)	456242	50.0000	52.0
	57 1,1,2-Trichloroethane	97	9.611	9.611	(1.294)	325359	50.0000	49.8
	58 1,3-Dichloropropane	76	9.871	9.871	(0.920)	554908	50.0000	47.6
	59 Tetrachloroethylene	164	9.926	9.926	(0.925)	275697	50.0000	49.5
	60 Dibromochloromethane	129	10.133	10.133	(0.945)	365295	50.0000	54.7
	61 1,2-Dibromoethane	107	10.337	10.337	(0.964)	337993	50.0000	49.5
	62 1-Chlorohexane	91	10.509	10.509	(0.980)	437963	50.0000	52.5
*	63 CHLOROBENZENE d5 (IS)	117	10.725	10.725	(1.000)	867332	50.0000	
	64 Chlorobenzene	112	10.763	10.763	(1.004)	956742	50.0000	49.4
	65 1,1,1,2-Tetrachloroethane	131	10.809	10.809	(1.008)	318134	50.0000	55.4
	66 Ethylbenzene	106	10.818	10.818	(1.009)	506156	50.0000	50.4
	67 p,m-Xylene	106	10.895	10.895	(1.016)	1282752	100.000	98.3
	68 o-Xylene	91	11.335	11.335	(1.057)	1477390	50.0000	48.2
	69 Styrene	104	11.372	11.372	(1.060)	1065764	50.0000	49.9
	70 Bromoform	173	11.712	11.712	(1.092)	260080	50.0000	51.8
	71 1-Methylethylbenzene	105	11.698	11.698	(0.890)	1642928	50.0000	49.4
	72 1,4-Dichloro-2-Butene	53	11.370	11.370	(0.865)	11790	100.000	107(Q)
	73 1,1,2,2-Tetrachloroethane	83	11.873	11.873	(0.903)	430548	50.0000	48.4
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.951	11.951	(0.909)	513463	50.0000	48.4
	75 1,2,3- trichloropropane	110	12.021	12.021	(0.915)	140697	50.0000	44.0
	76 n-Propylbenzene	91	12.101	12.101	(0.921)	2047449	50.0000	48.3

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	12.145	12.145	(0.924)	725483	50.0000	47.4
78 1,3,5-Trimethylbenzene	105	12.261	12.261	(0.933)	1476917	50.0000	48.6
79 2-Chlorotoluene	91	12.280	12.280	(0.934)	1399455	50.0000	46.7
80 4-Chlorotoluene	91	12.328	12.328	(0.938)	1332876	50.0000	46.0
81 tert-Butylbenzene	119	12.620	12.620	(0.960)	1360996	50.0000	49.1
82 1,2,4-trimethylbenzene	105	12.656	12.656	(0.963)	1494972	50.0000	49.2
83 sec-Butylbenzene	105	12.832	12.832	(0.976)	1741064	50.0000	50.9
84 p-Isopropyltoluene	119	12.970	12.970	(0.987)	1487571	50.0000	49.9
85 1,3-Dichlorobenzene	146	13.067	13.067	(0.994)	789973	50.0000	50.2
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.143	13.143	(1.000)	492359	50.0000	
87 1,4-Dichlorobenzene	146	13.174	13.174	(1.002)	782009	50.0000	48.9
88 Benzyl Chloride	91	13.292	13.292	(1.011)	603048	50.0000	53.2
89 n-Butylbenzene	91	13.381	13.381	(1.018)	1341357	50.0000	52.2
90 1,2-Dichlorobenzene	146	13.547	13.547	(1.031)	766902	50.0000	49.3
91 1,2-dibromo-3-chloropropane	75	14.296	14.296	(1.088)	84158	50.0000	50.5
92 1,2,4-Trichlorobenzene	180	14.965	14.965	(1.139)	444046	50.0000	50.6
93 Hexachlorobutadiene	223	15.060	15.060	(1.146)	118263	50.0000	49.8
94 Naphthalene	128	15.145	15.145	(1.152)	1075455	50.0000	47.4
95 1,2,3-trichlorobenzene	180	15.308	15.308	(1.165)	381901	50.0000	48.4
103 Isopropyl Ether	45	4.959	4.959	(0.667)	1237491	50.0000	51.4
104 Ethyl acetate	43	5.986	5.986	(0.806)	739522	100.000	95.6
105 Cyclohexanone	55	11.758	11.758	(1.096)	466656	500.000	409
106 Ethyl ether	59	2.854	2.854	(0.384)	312761	50.0000	48.7
107 2-Nitropropane	43	8.426	8.426	(1.134)	188573	100.000	108
108 Tetrahydrofuran	42	6.416	6.416	(0.864)	202562	100.000	88.4
112 2-Cleve	63	8.690	8.690	(1.170)	400474	100.000	97.4(TQ)

QC Flag Legend

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

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 50CCV32.D
Lab Smp Id: 061407CCVA32
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3061407.b\8260A.m
Misc Info:

Calibration Date: 22-MAY-2007
Calibration Time: 08:17
Client Smp ID: 061407CCVA32
Level: LOW
Sample Type: WATER

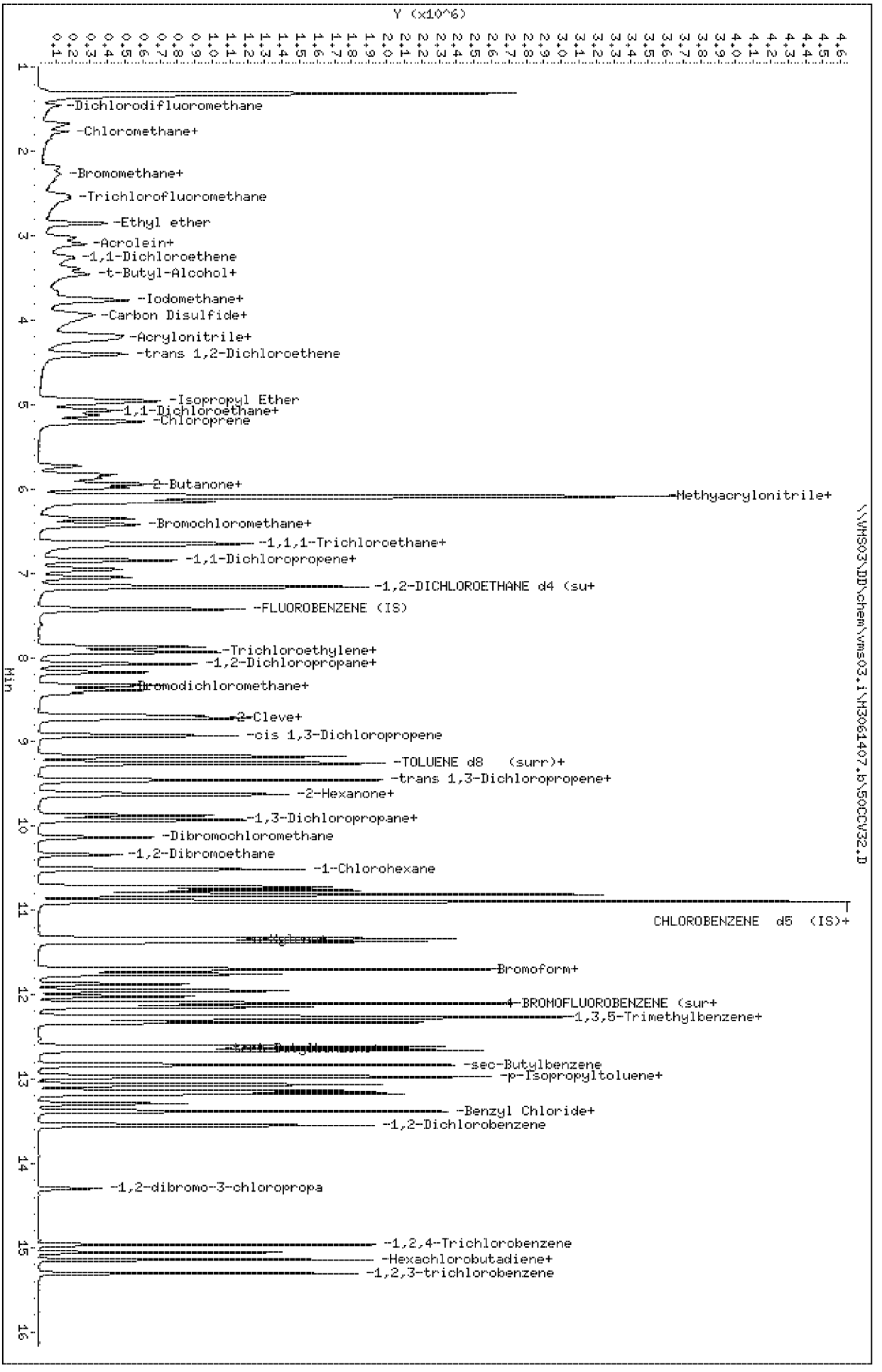
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	989333	494667	1978666	1187850	20.07
63 CHLOROBENZENE d5	712434	356217	1424868	867332	21.74
86 1,4-DICHLOROBENZE	411829	205915	823658	492359	19.55

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	-0.00
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	-0.01
86 1,4-DICHLOROBENZE	13.15	12.65	13.65	13.14	-0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D
Date : 14-JUN-2007 06:20
Client ID: 061407CCVA32
Sample Info: 061407CCV2A32
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

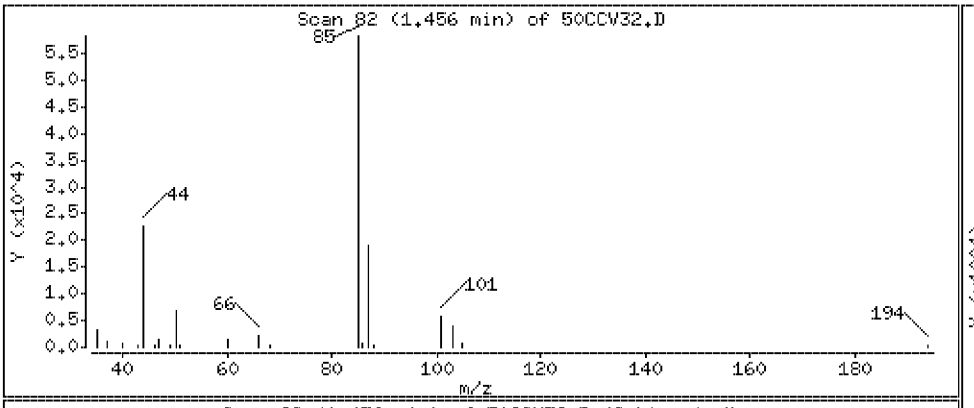
Client ID: 061407CCVA32 Instrument: vms03.i

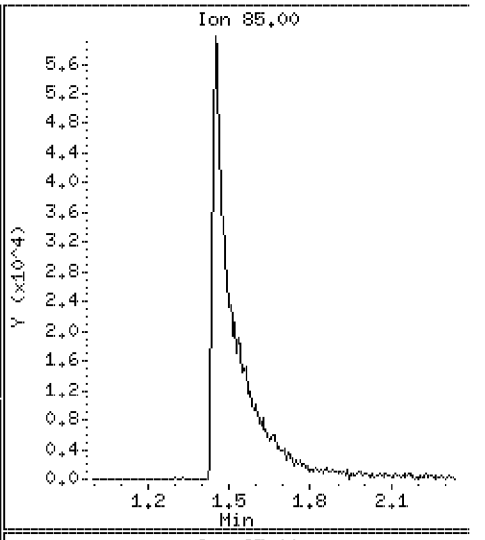
Sample Info: 061407CCV2A32

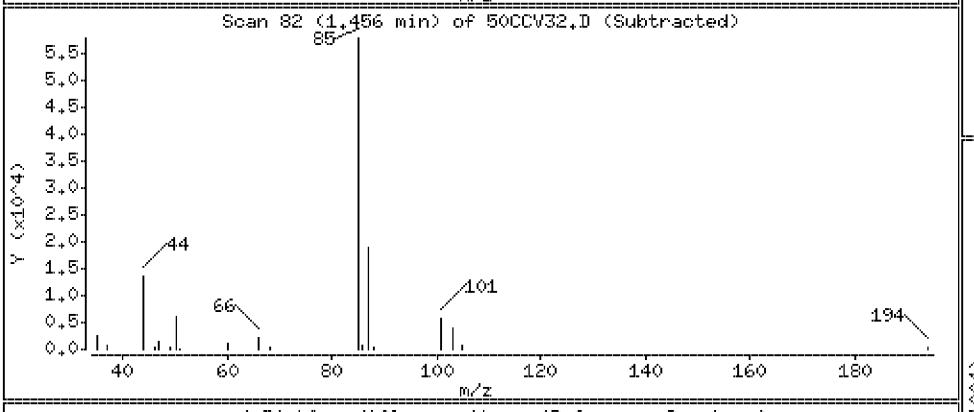
Purge Volume: 5.0 Operator:

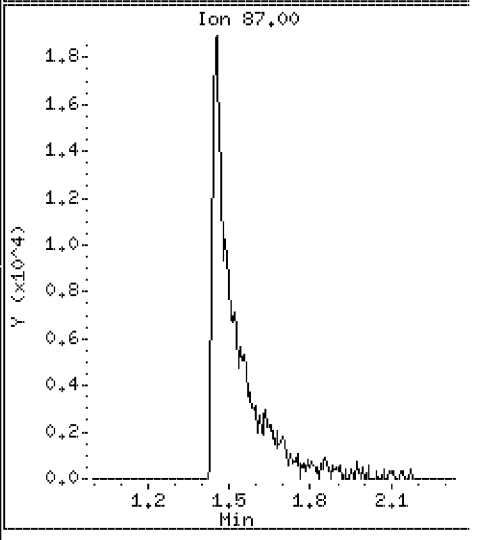
Column phase: DB-624 Column diameter: 0.18

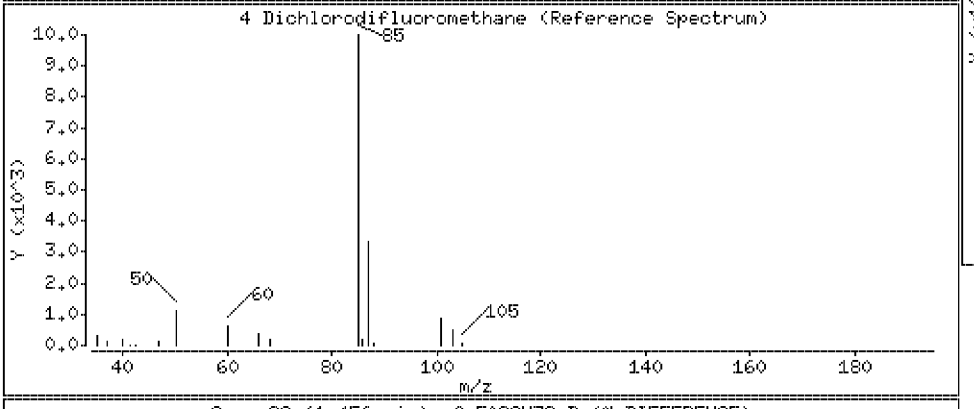
4 Dichlorodifluoromethane Concentration: 37.6 ug/l

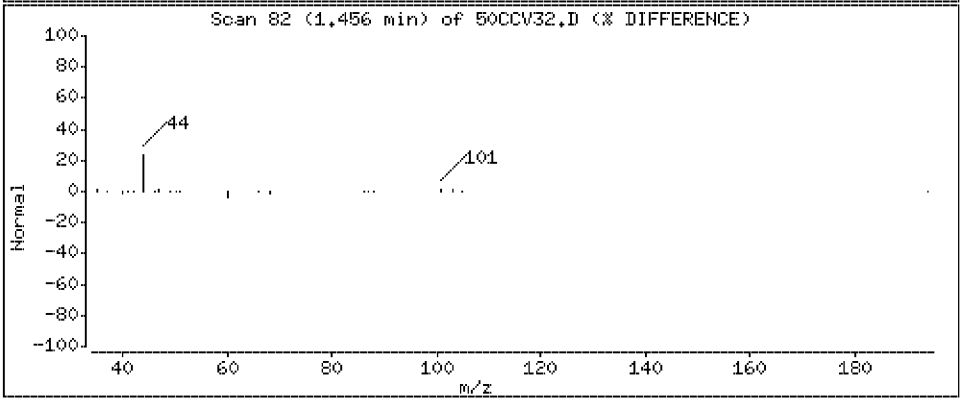












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

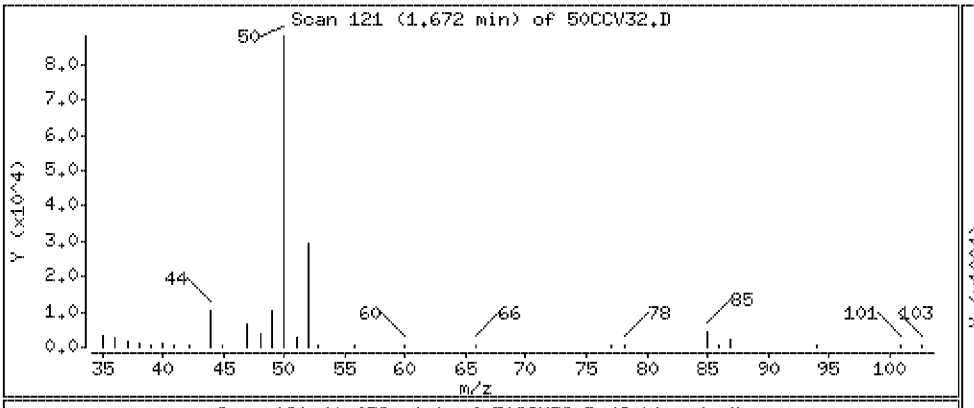
Client ID: 061407CCVA32 Instrument: vms03.i

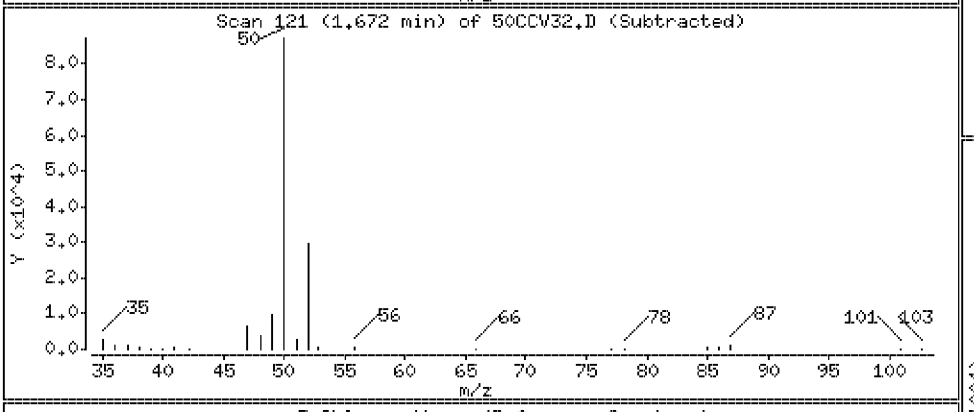
Sample Info: 061407CCV2A32

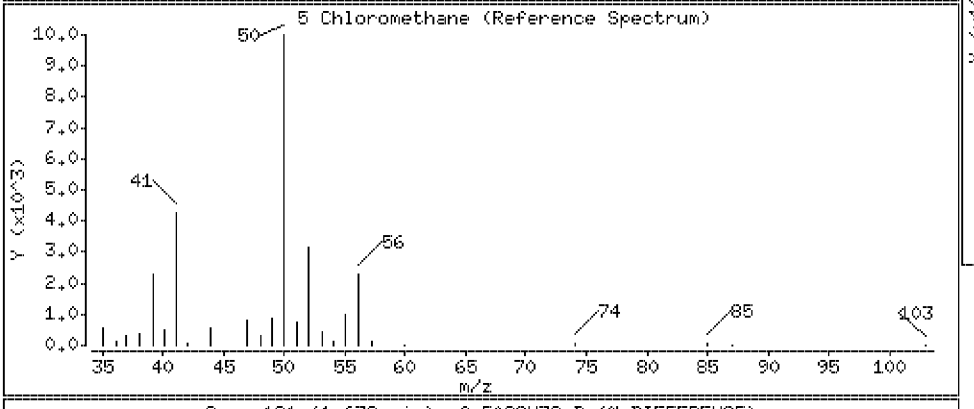
Purge Volume: 5.0 Operator:

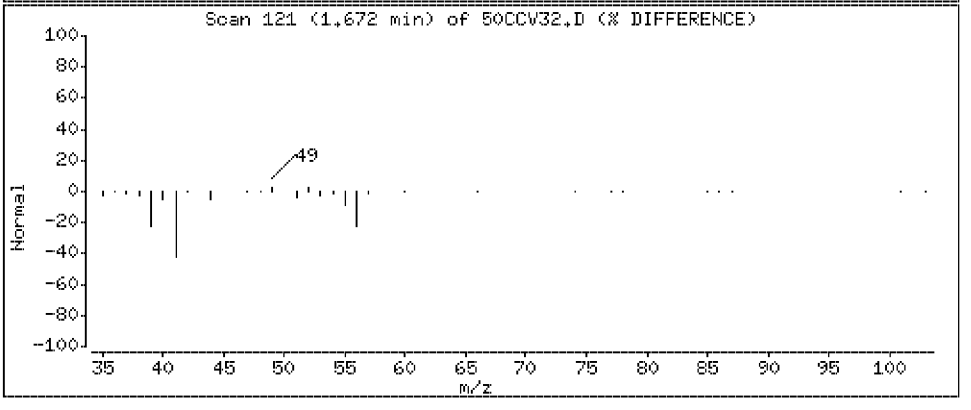
Column phase: DB-624 Column diameter: 0.18

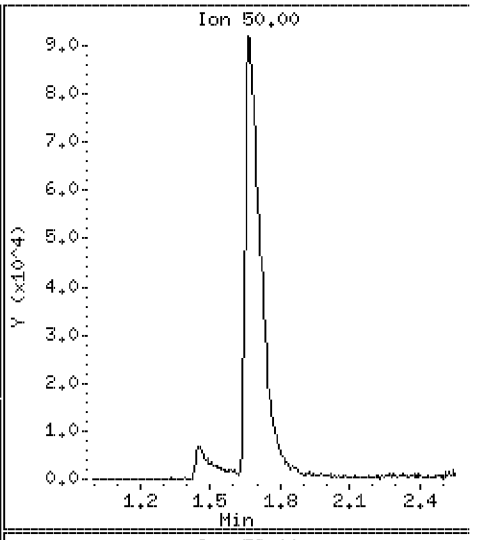
5 Chloromethane Concentration: 46.7 ug/l

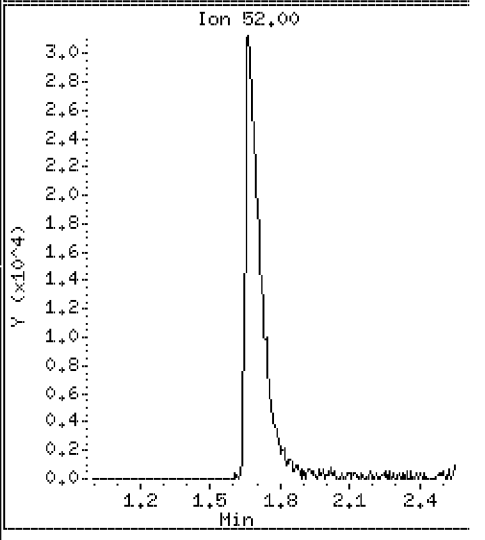












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

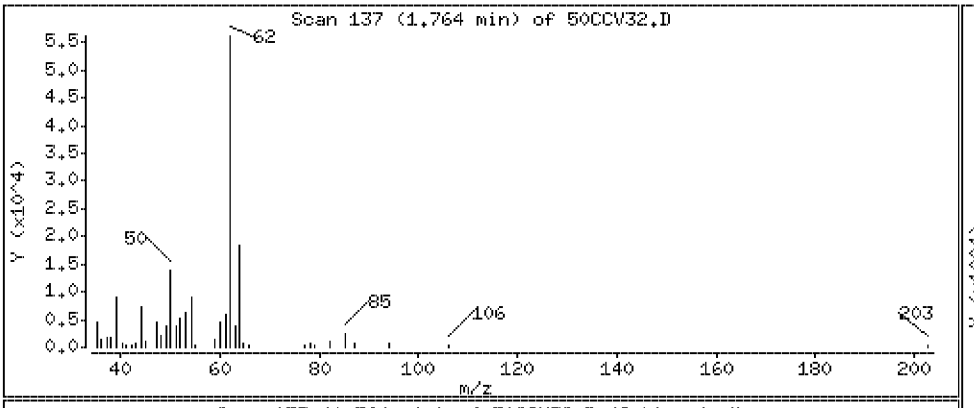
Client ID: 061407CCVA32 Instrument: vms03.i

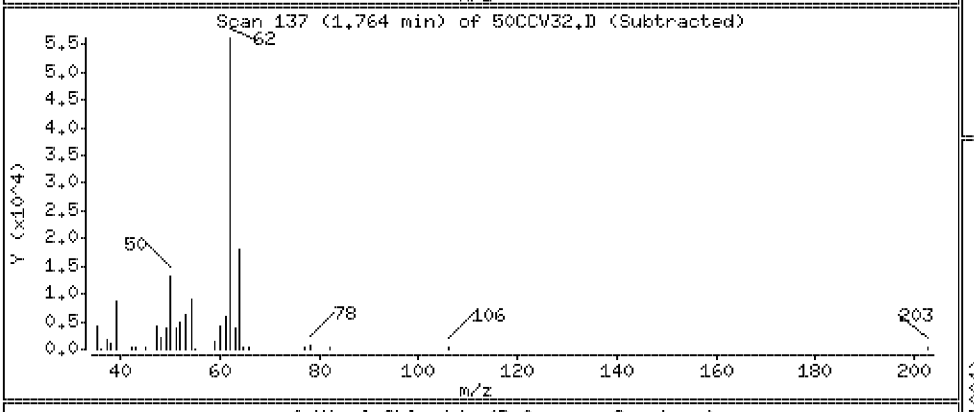
Sample Info: 061407CCV2A32

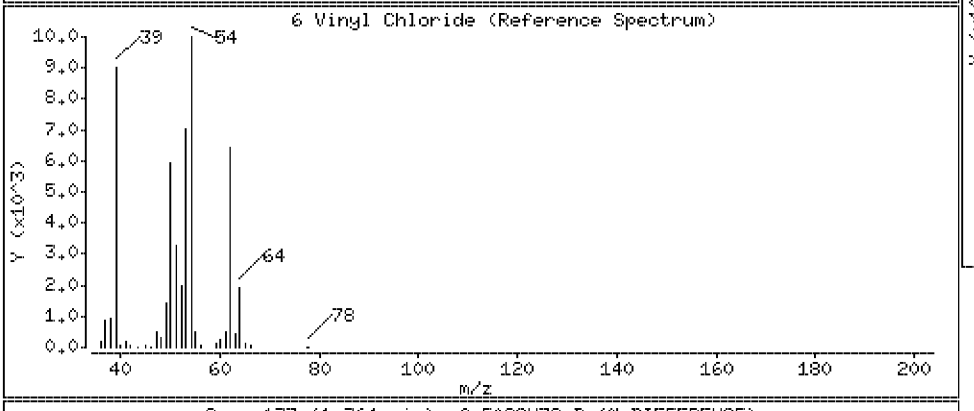
Purge Volume: 5.0 Operator:

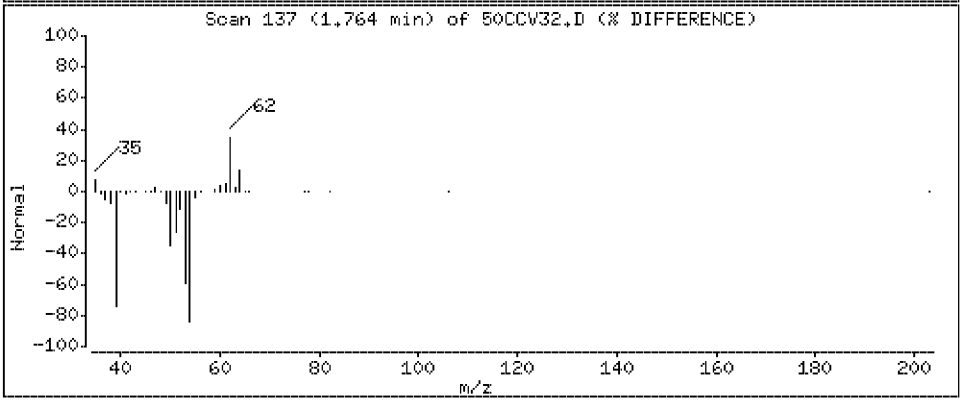
Column phase: DB-624 Column diameter: 0.18

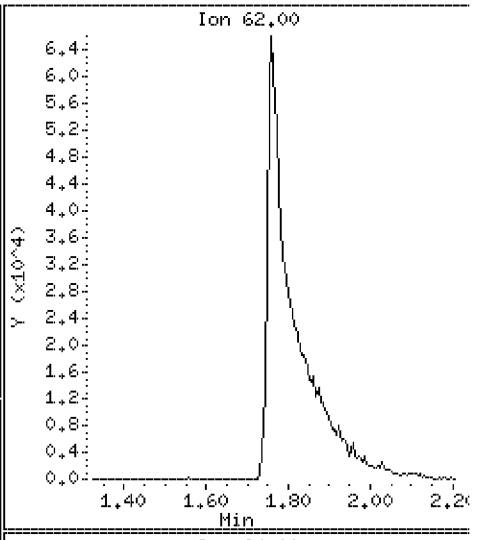
6 Vinyl Chloride Concentration: 44.8 ug/l

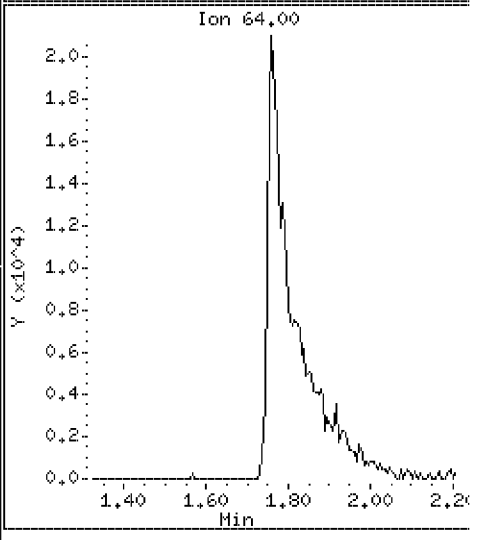












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

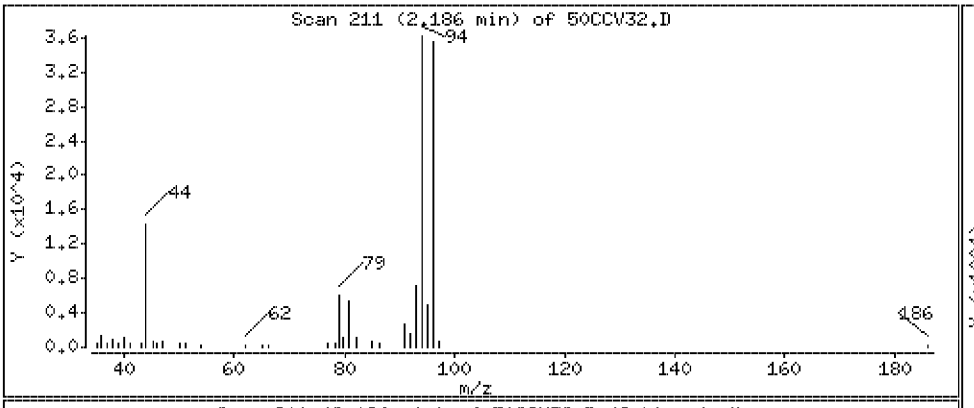
Client ID: 061407CCVA32 Instrument: vms03.i

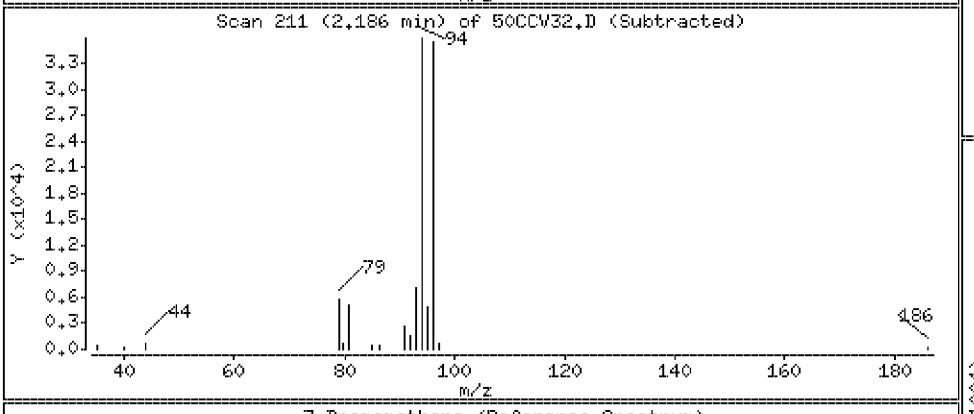
Sample Info: 061407CCV2A32

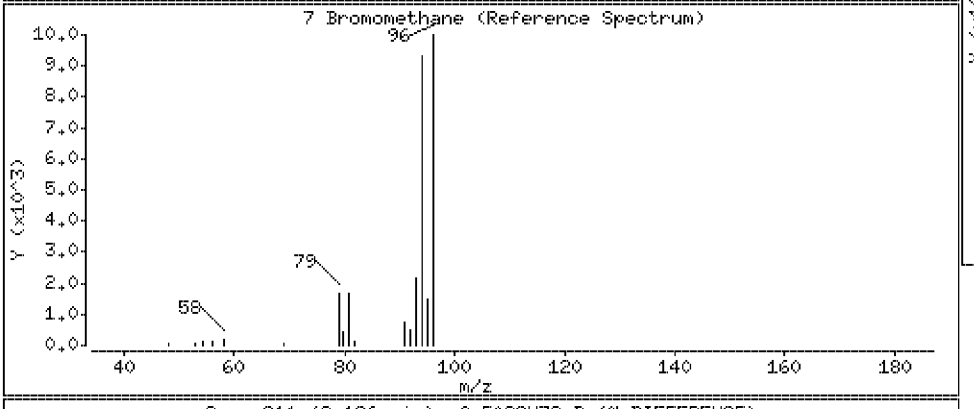
Purge Volume: 5.0 Operator:

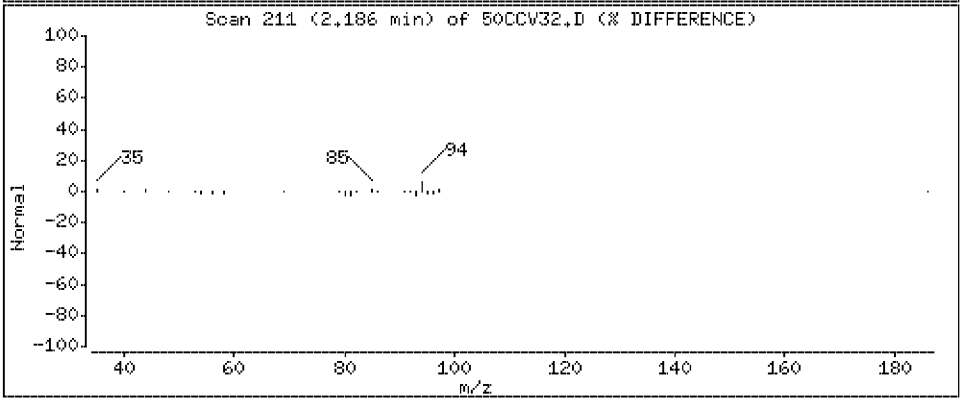
Column phase: DB-624 Column diameter: 0.18

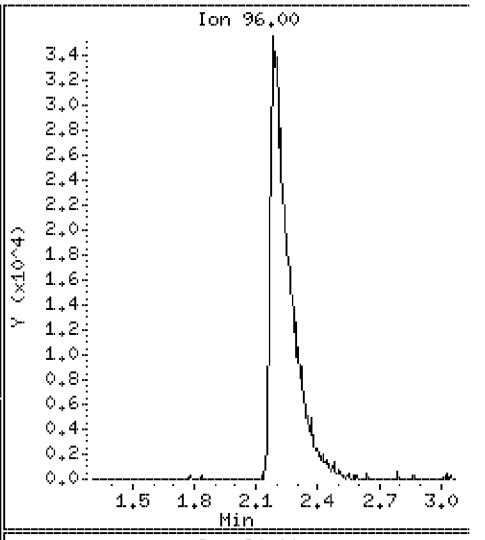
7 Bromomethane Concentration: 50.9 ug/l

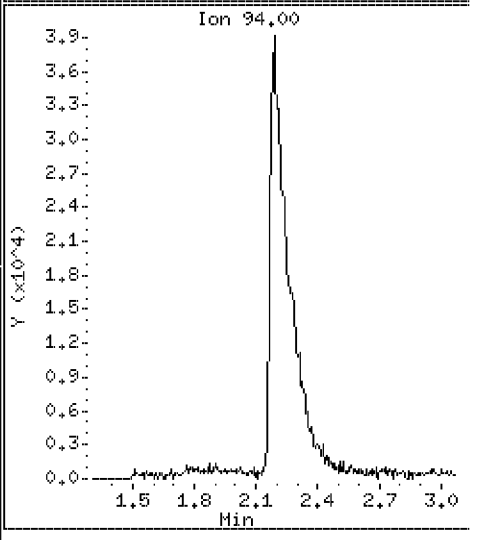












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

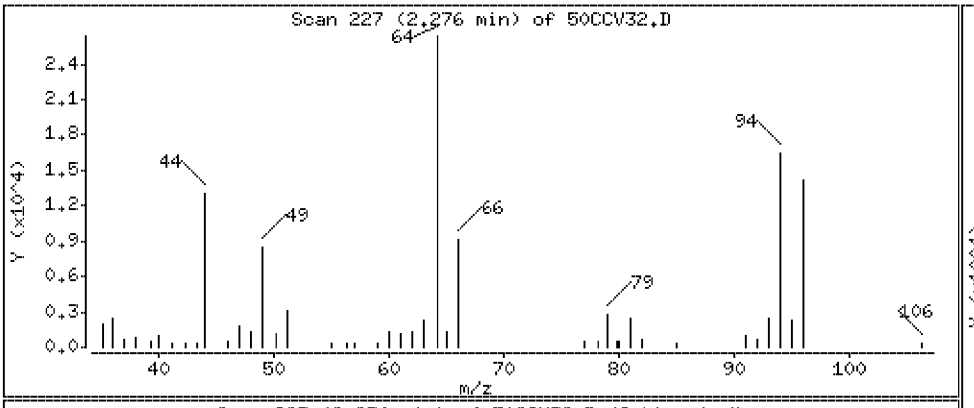
Client ID: 061407CCVA32 Instrument: vms03.i

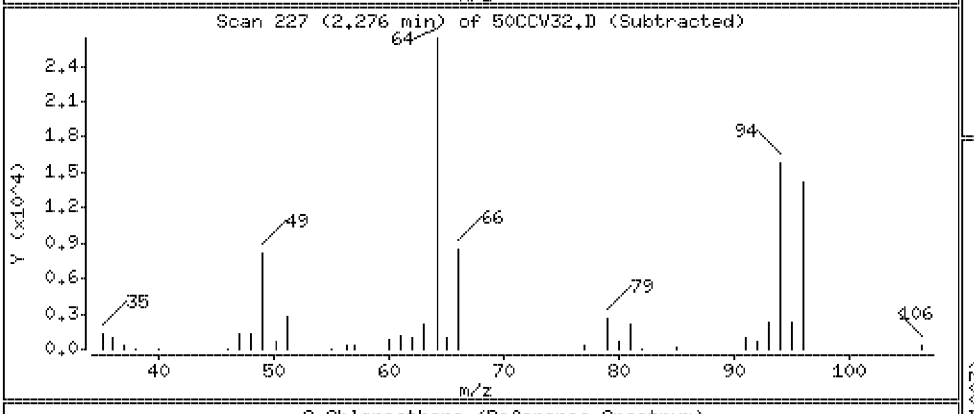
Sample Info: 061407CCV2A32

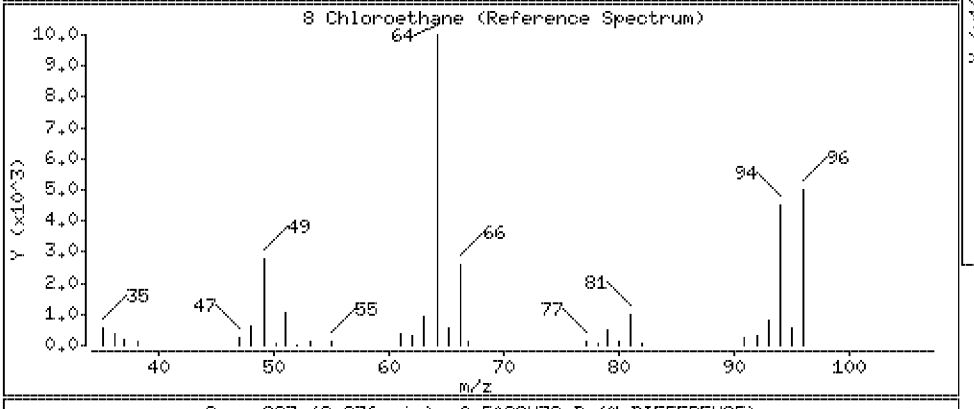
Purge Volume: 5.0 Operator:

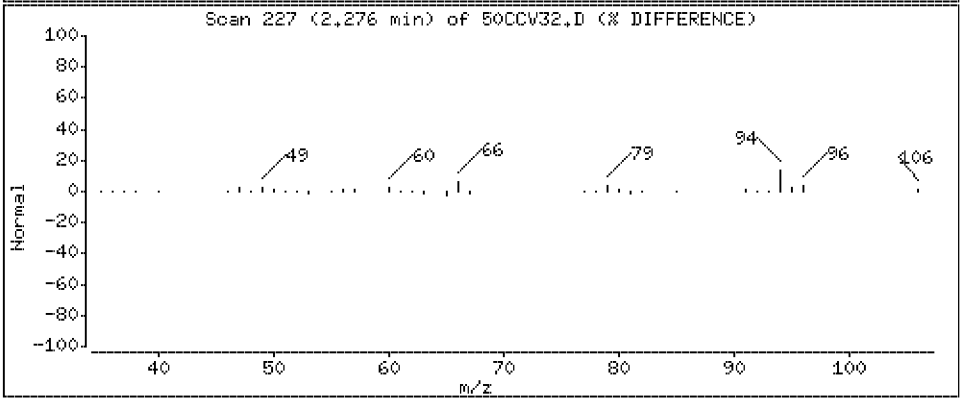
Column phase: DB-624 Column diameter: 0.18

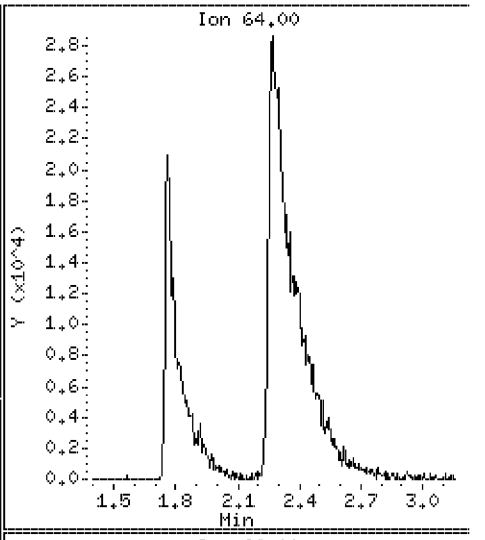
8 Chloroethane Concentration: 50.1 ug/l

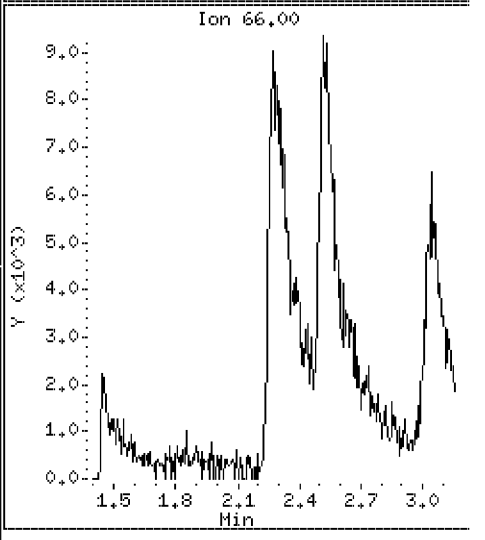












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

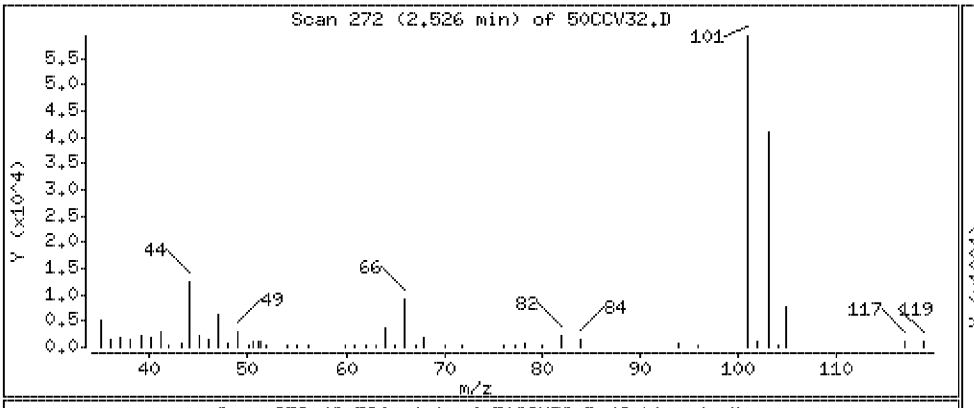
Client ID: 061407CCVA32 Instrument: vms03.i

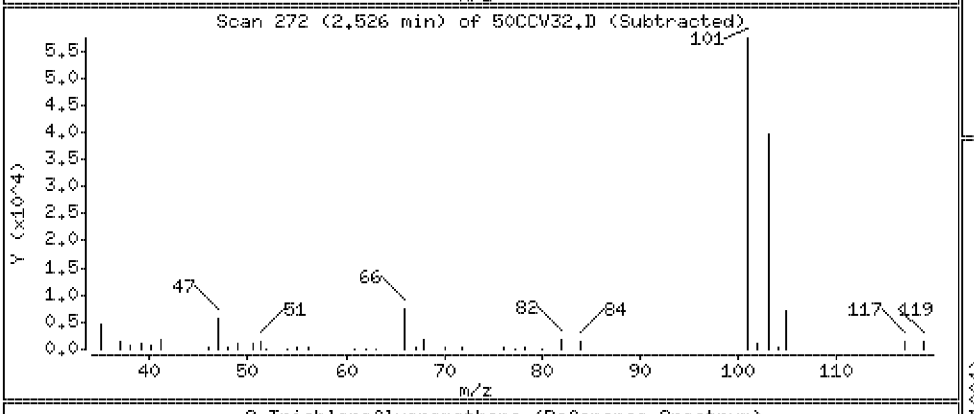
Sample Info: 061407CCV2A32

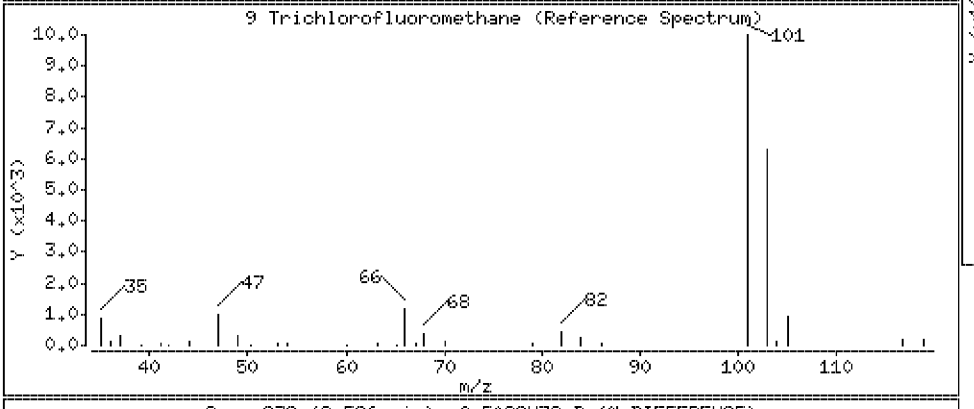
Purge Volume: 5.0 Operator:

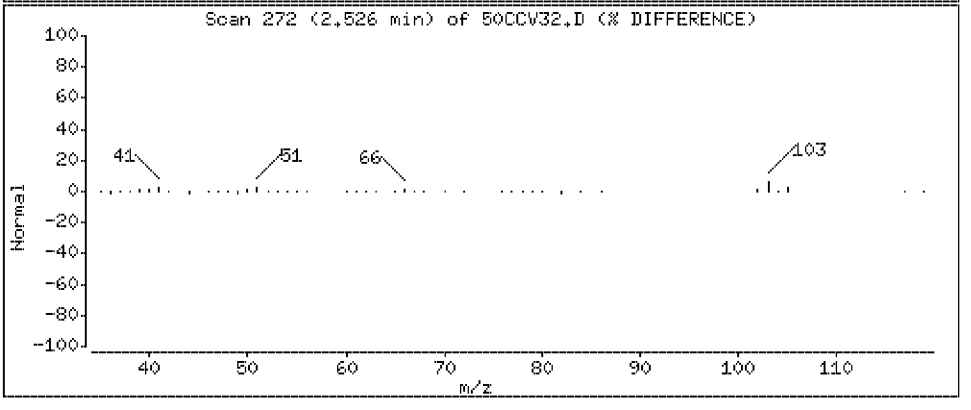
Column phase: DB-624 Column diameter: 0.18

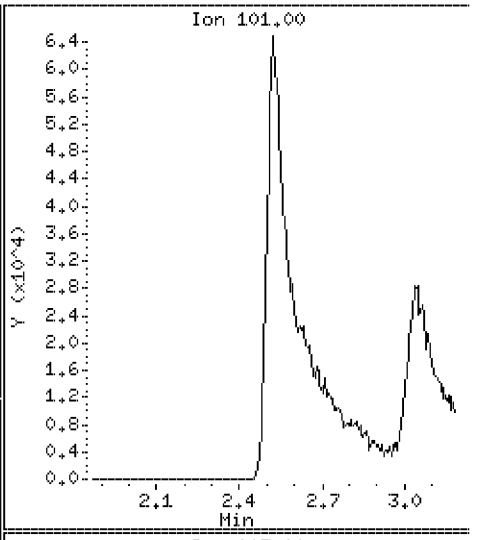
9 Trichlorofluoromethane Concentration: 43.8 ug/l

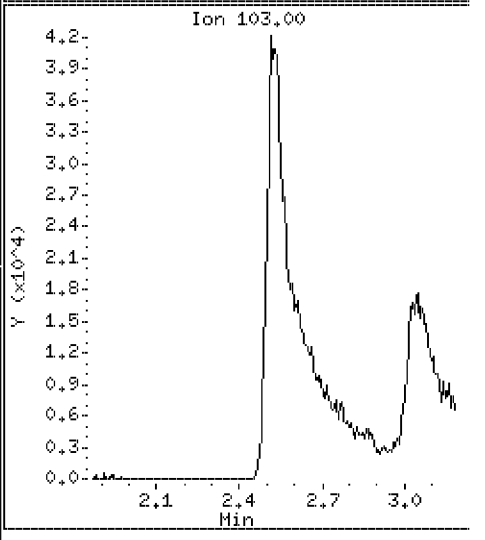












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

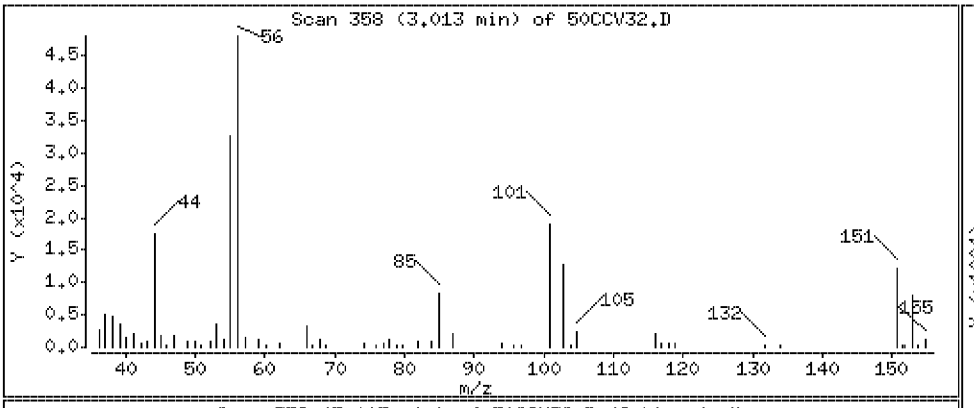
Client ID: 061407CCVA32 Instrument: vms03.i

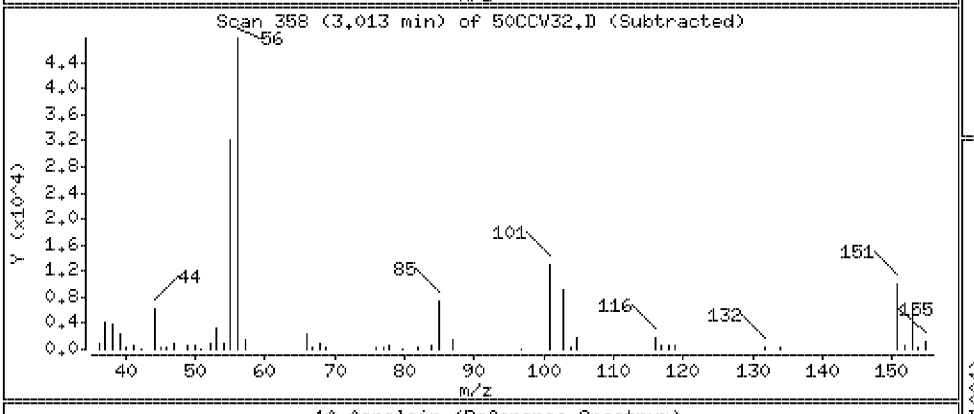
Sample Info: 061407CCV2A32

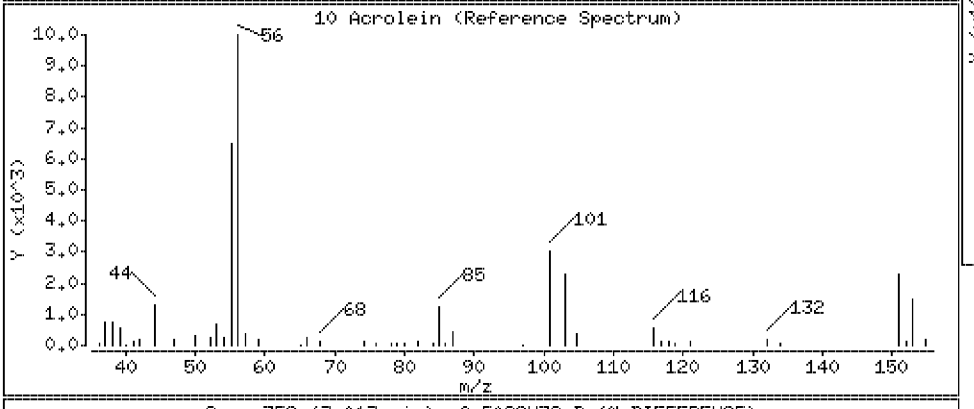
Purge Volume: 5.0 Operator:

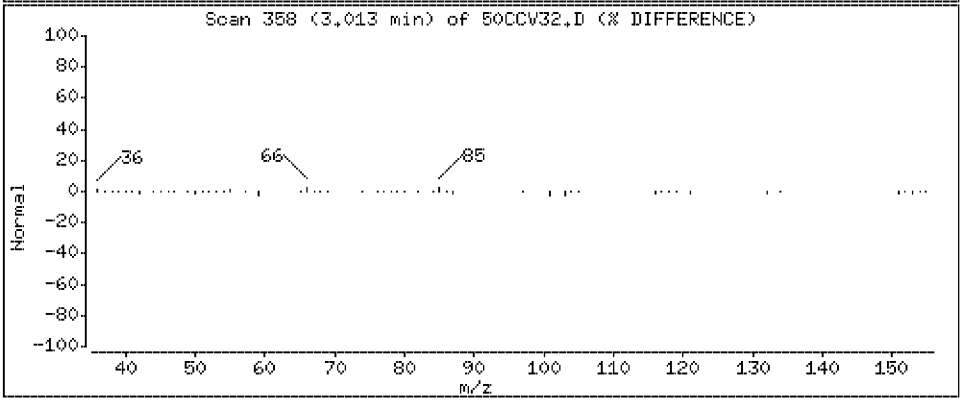
Column phase: DB-624 Column diameter: 0.18

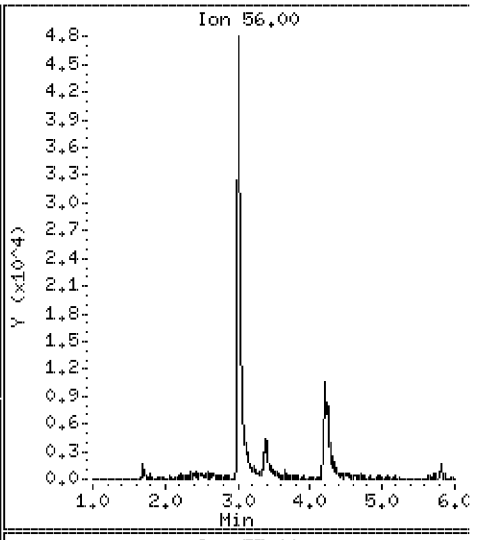
10 Acrolein Concentration: 116 ug/l

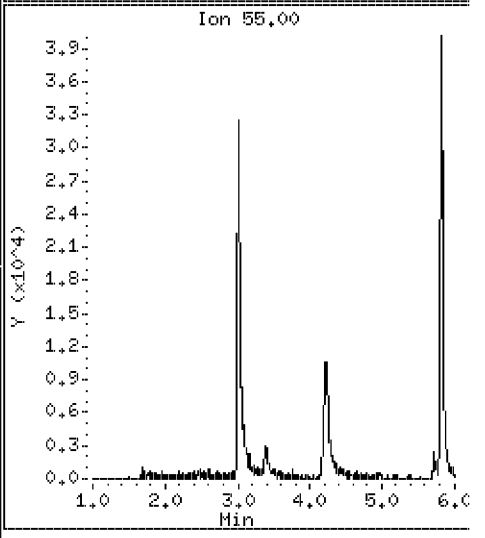












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

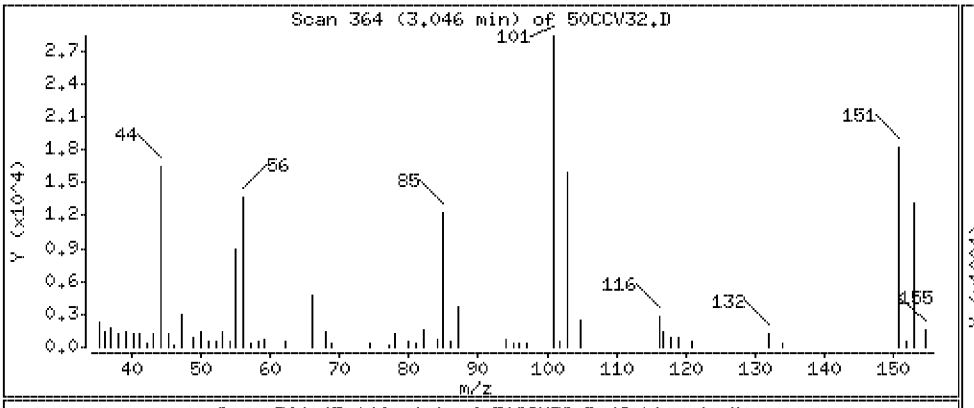
Client ID: 061407CCVA32 Instrument: vms03.i

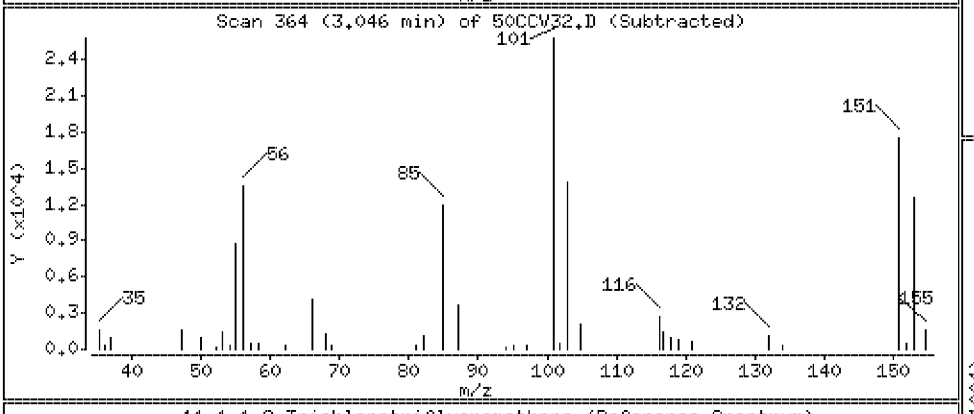
Sample Info: 061407CCV2A32

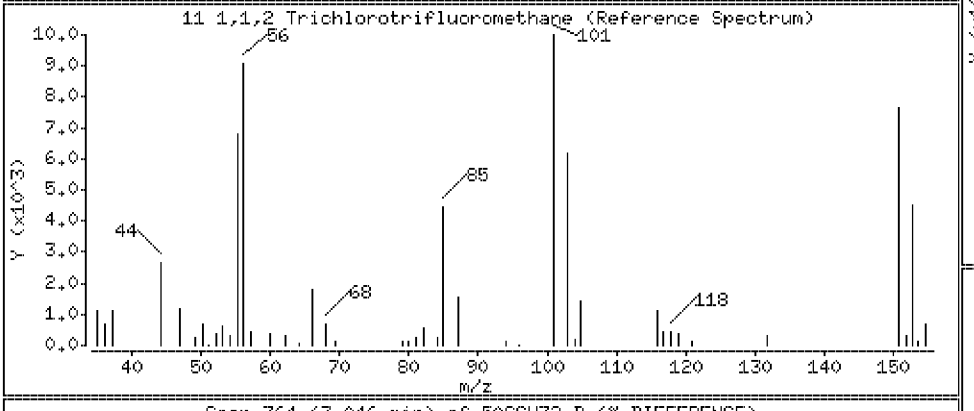
Purge Volume: 5.0 Operator:

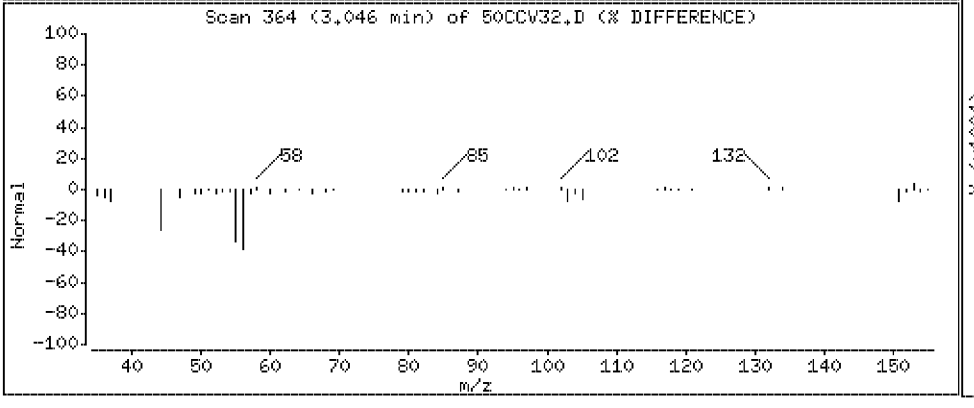
Column phase: DB-624 Column diameter: 0.18

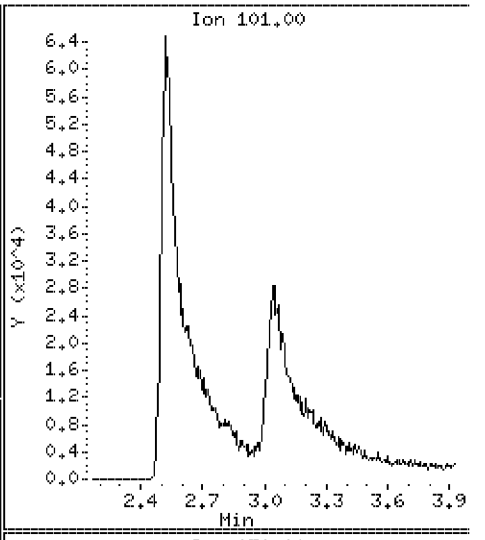
11 1,1,2 Trichlorotrifluoromethane Concentration: 51.8 ug/l

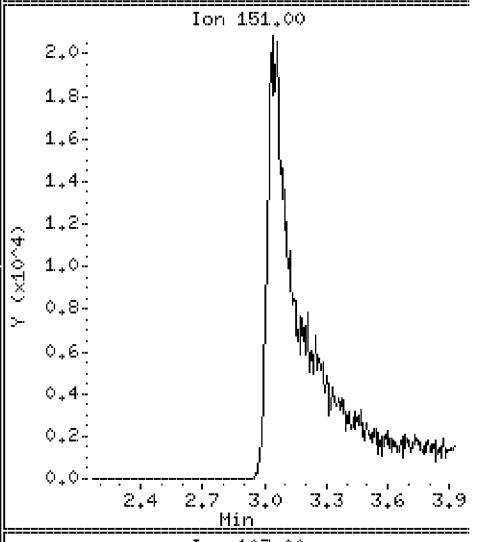


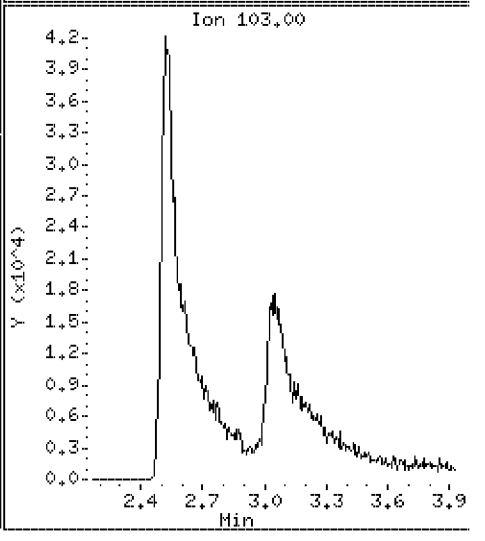












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

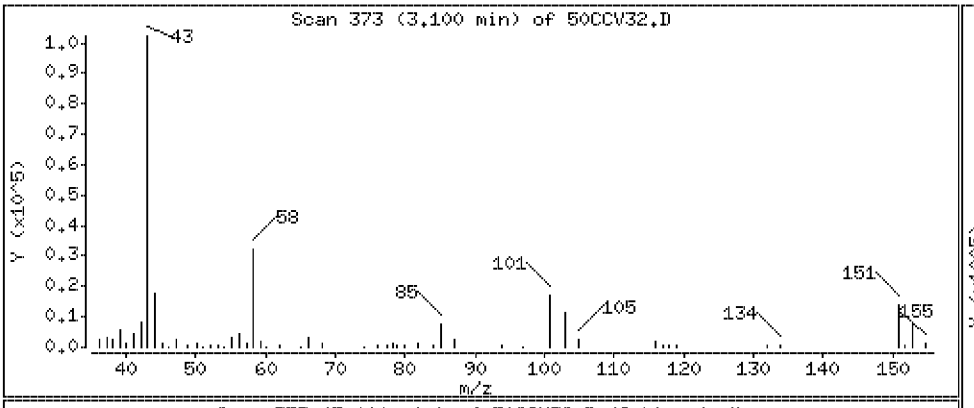
Client ID: 061407CCVA32 Instrument: vms03.i

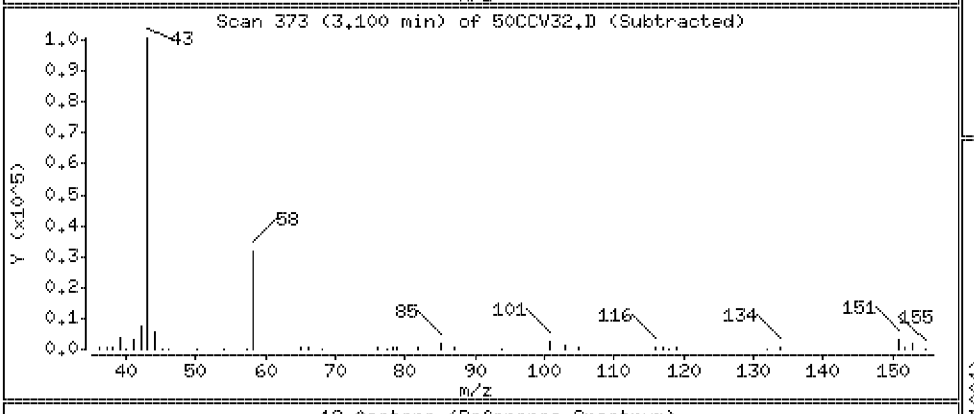
Sample Info: 061407CCV2A32

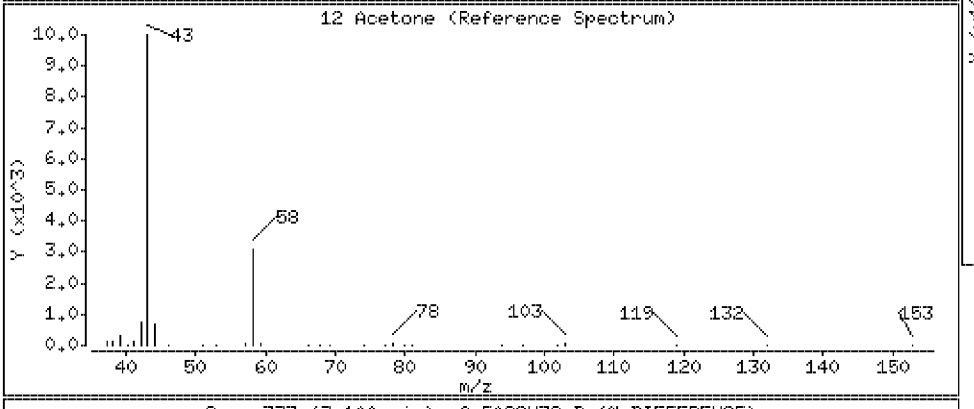
Purge Volume: 5.0 Operator:

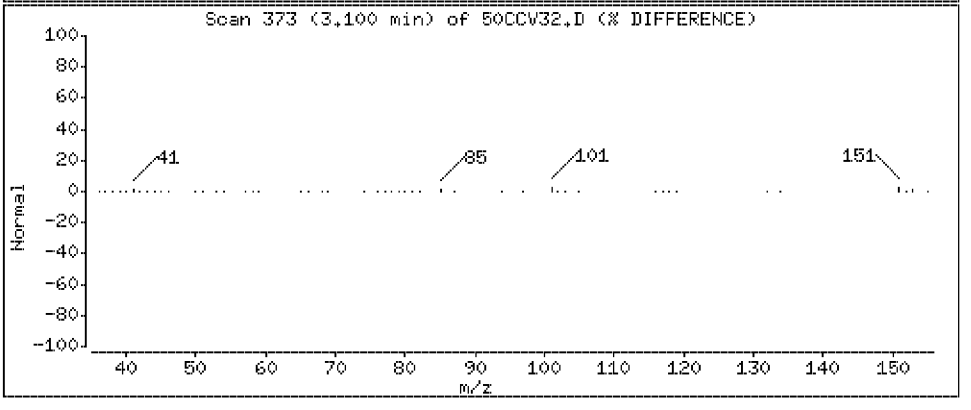
Column phase: DB-624 Column diameter: 0.18

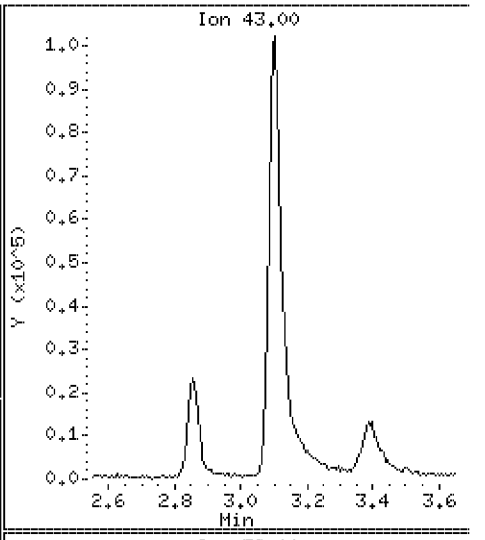
12 Acetone Concentration: 107 ug/l

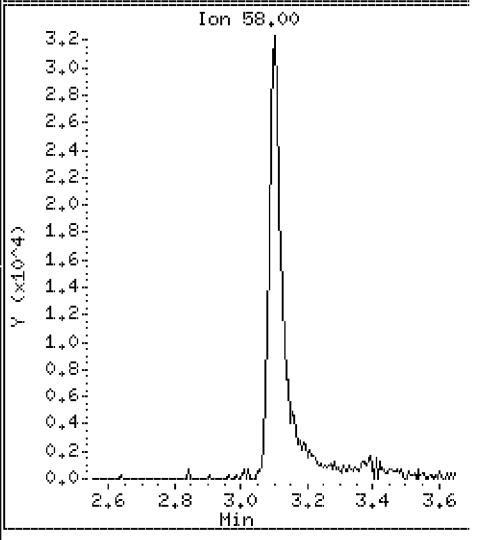












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

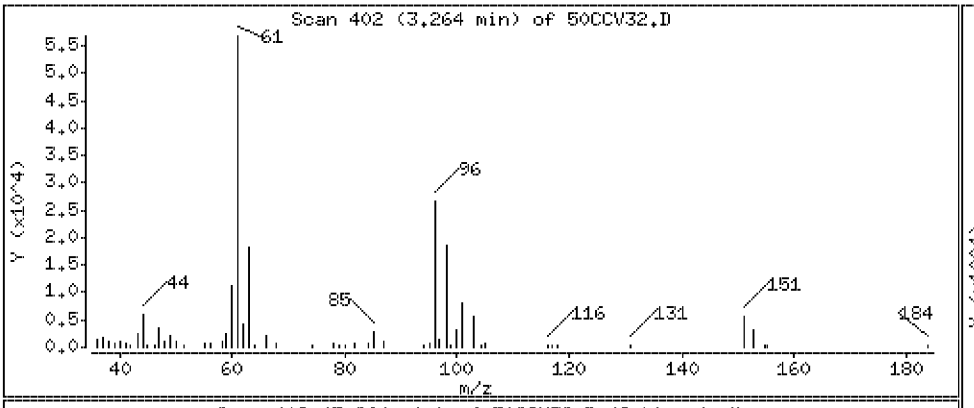
Client ID: 061407CCVA32 Instrument: vms03.i

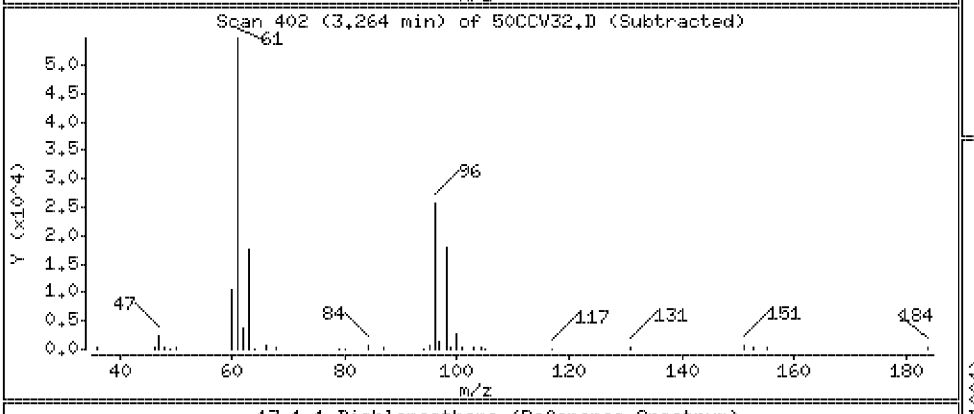
Sample Info: 061407CCV2A32

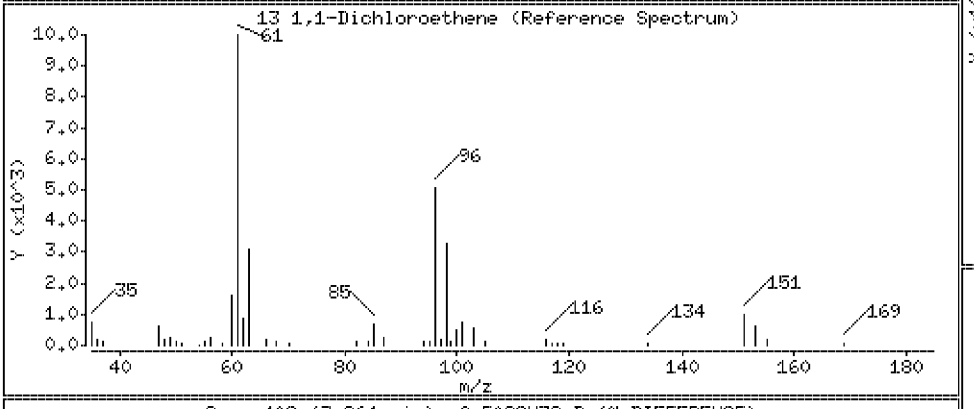
Purge Volume: 5.0 Operator:

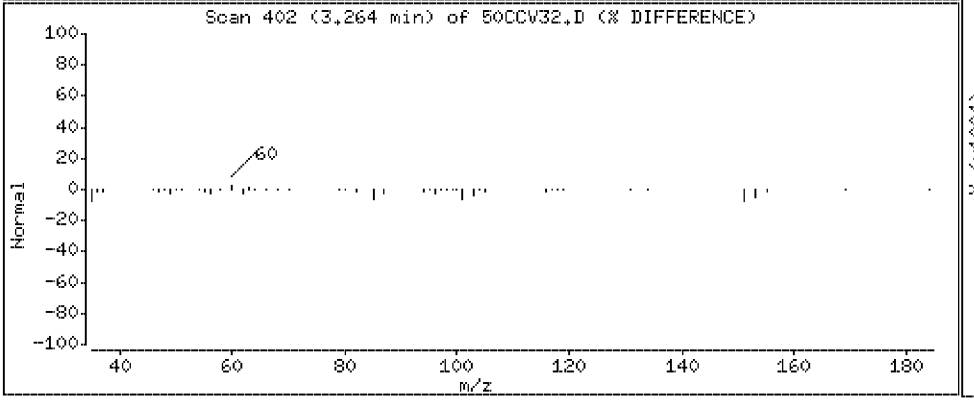
Column phase: DB-624 Column diameter: 0.18

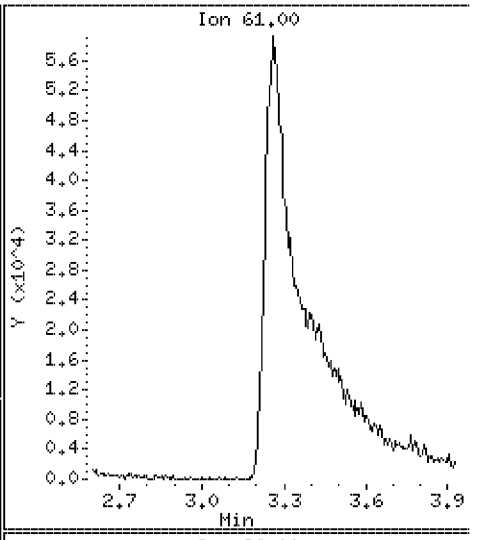
13 1,1-Dichloroethene Concentration: 52.6 ug/l

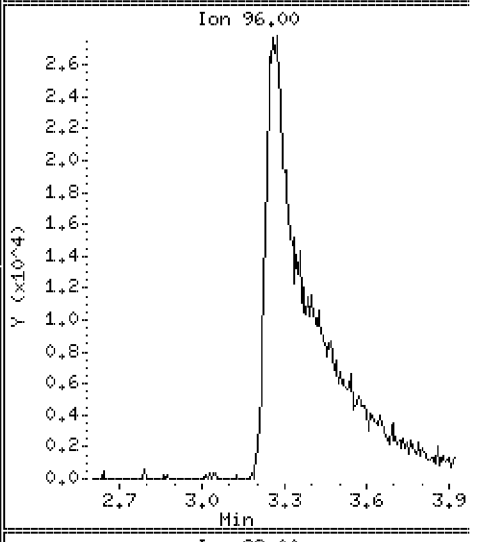


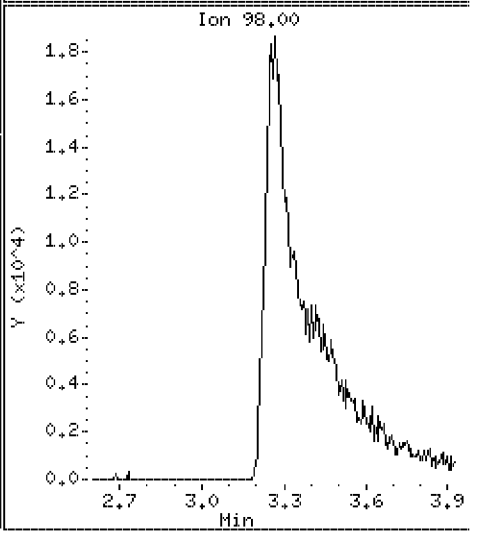












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

Client ID: 061407CCVA32

Instrument: vms03.i

Sample Info: 061407CCV2A32

Purge Volume: 5.0

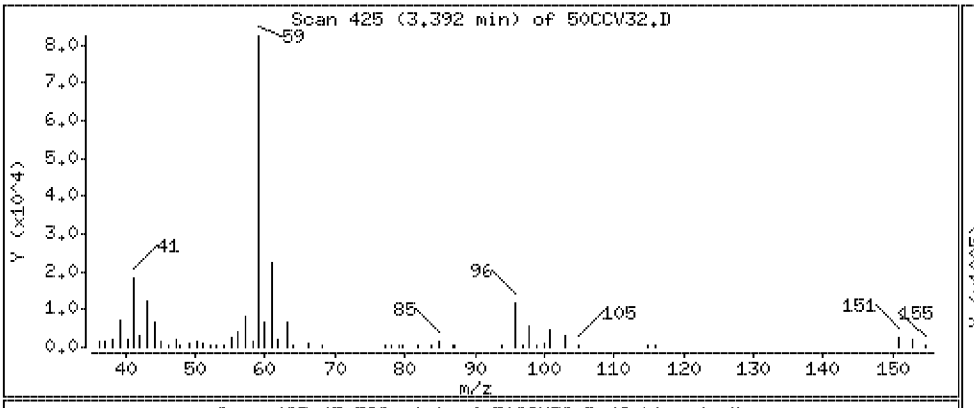
Operator:

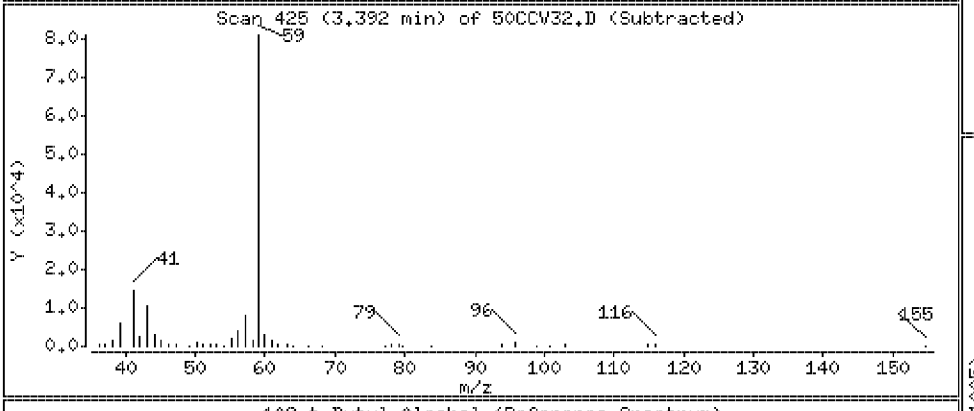
Column phase: DB-624

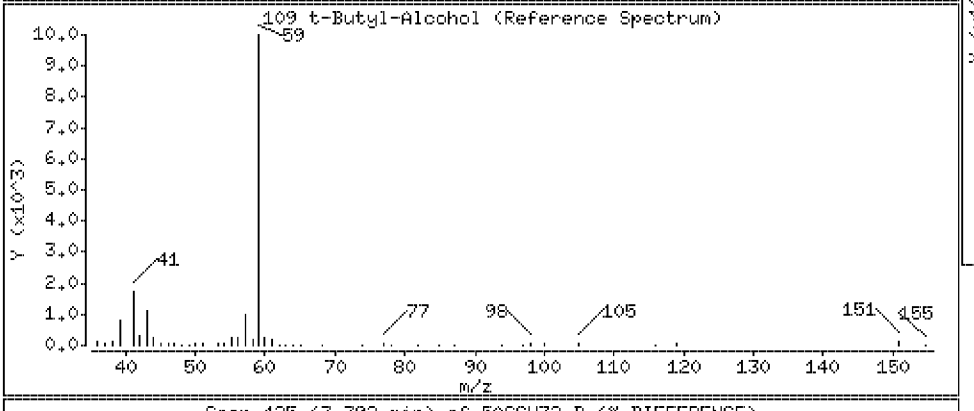
Column diameter: 0.18

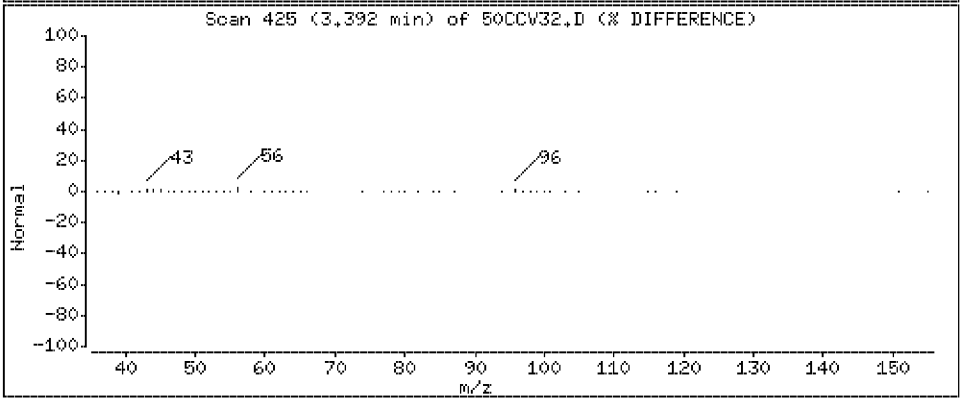
109 t-Butyl-Alcohol

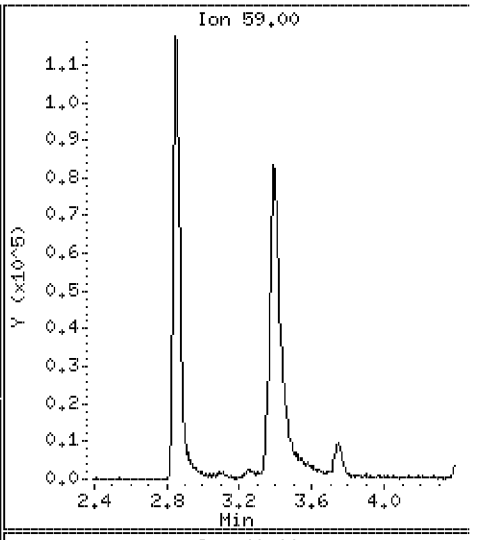
Concentration: 450 ug/l

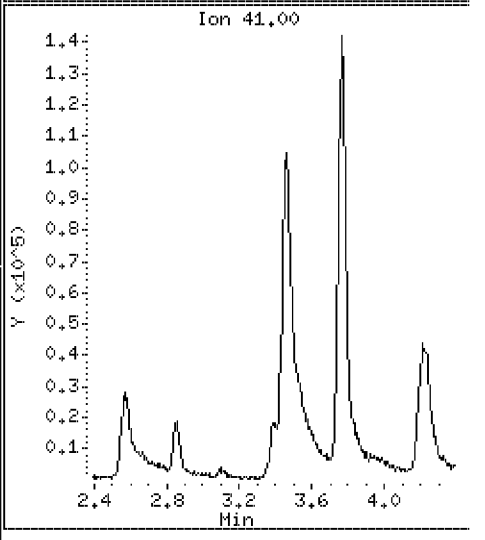












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

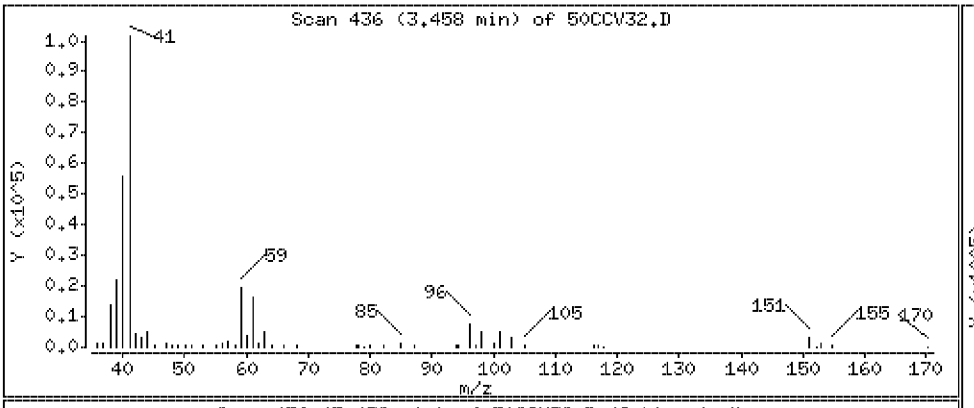
Client ID: 061407CCVA32 Instrument: vms03.i

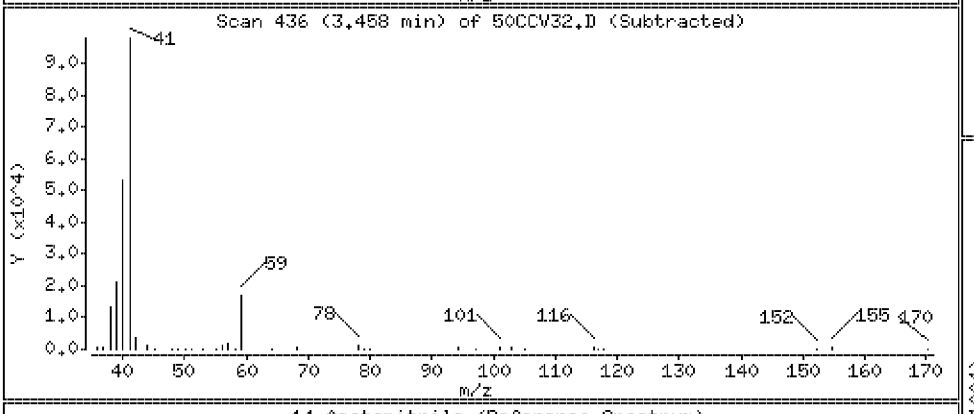
Sample Info: 061407CCV2A32

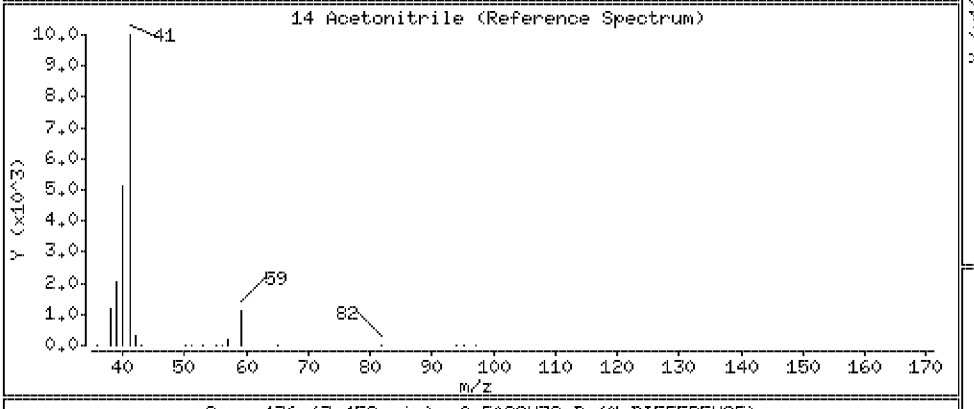
Purge Volume: 5.0 Operator:

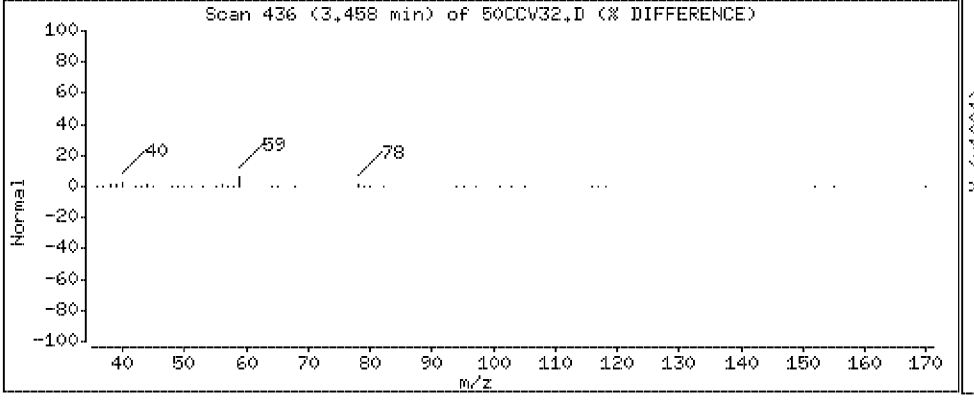
Column phase: DB-624 Column diameter: 0.18

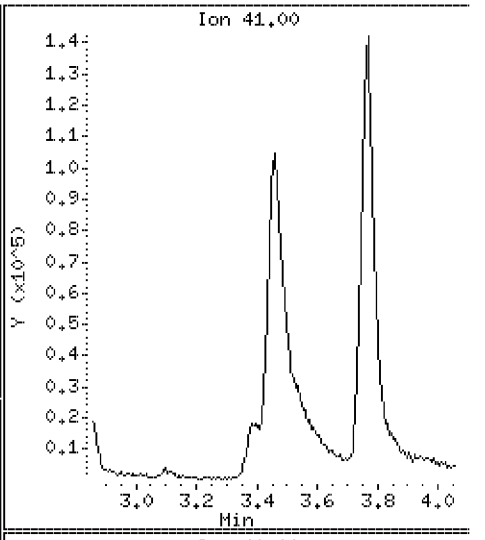
14 Acetonitrile Concentration: 500 ug/l

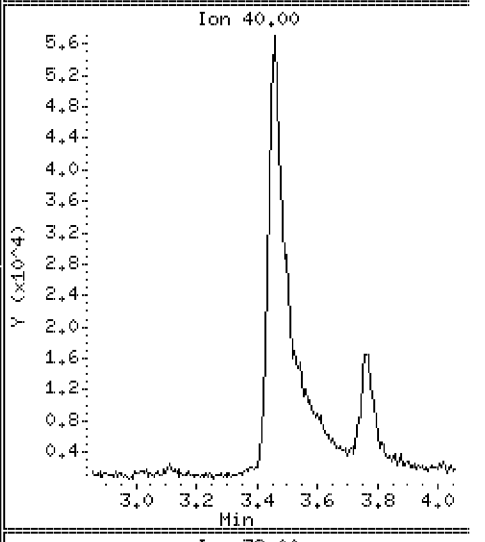


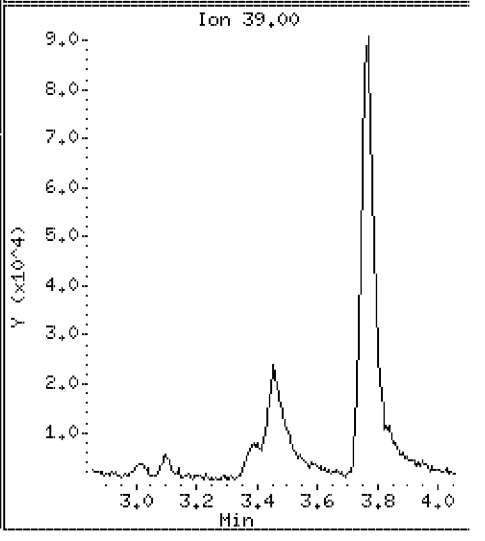












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

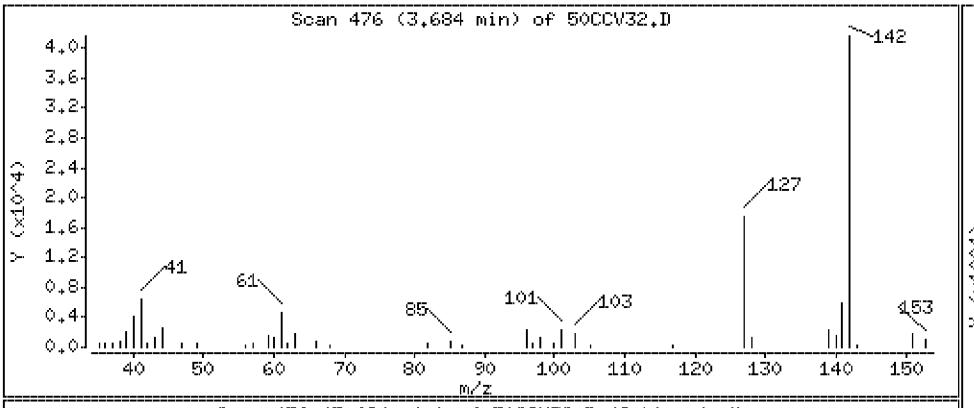
Client ID: 061407CCVA32 Instrument: vms03.i

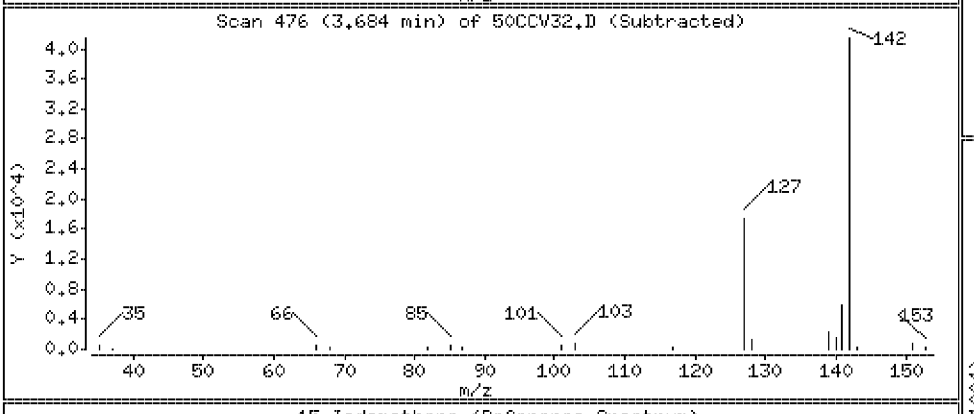
Sample Info: 061407CCV2A32

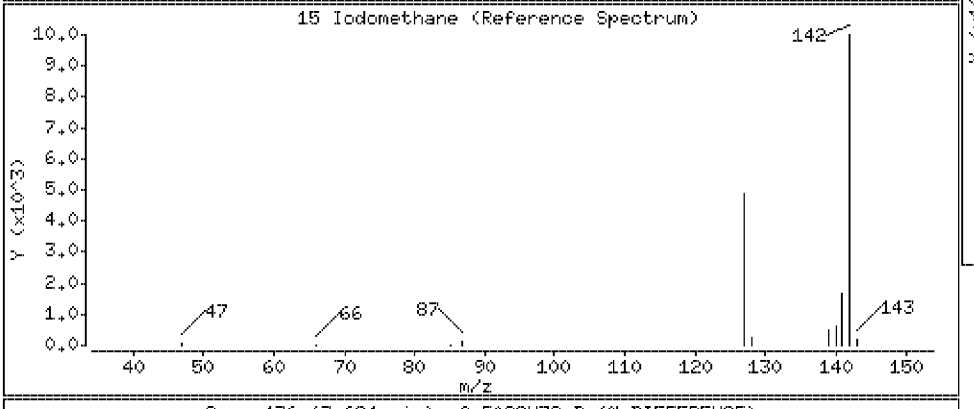
Purge Volume: 5.0 Operator:

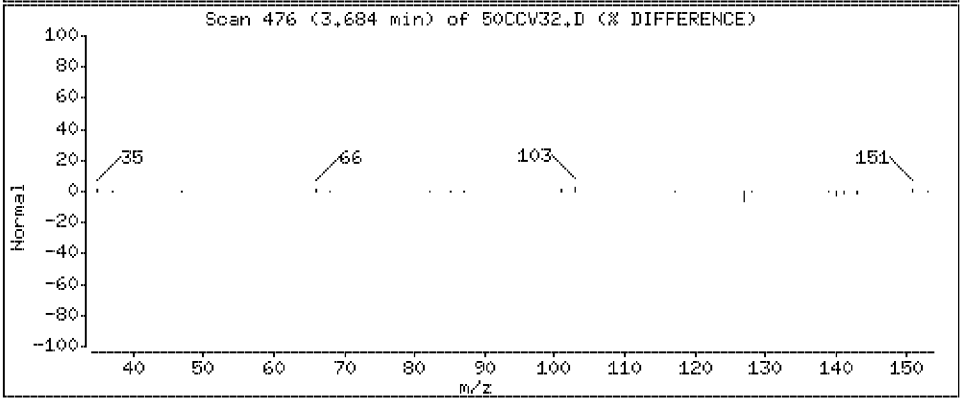
Column phase: DB-624 Column diameter: 0.18

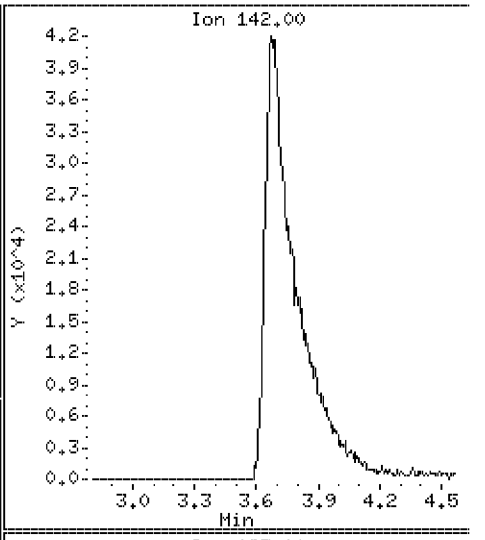
15 Iodomethane Concentration: 46.8 ug/l

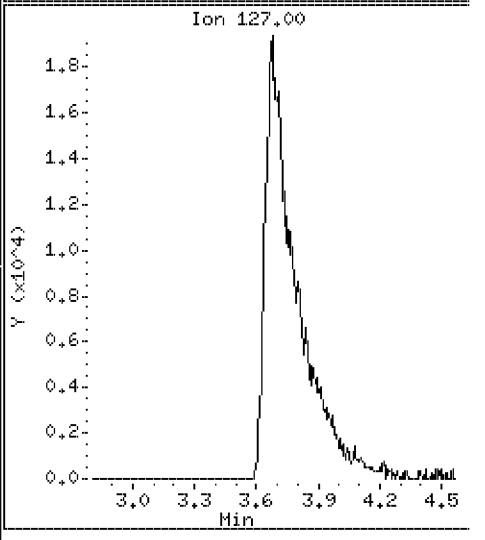












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

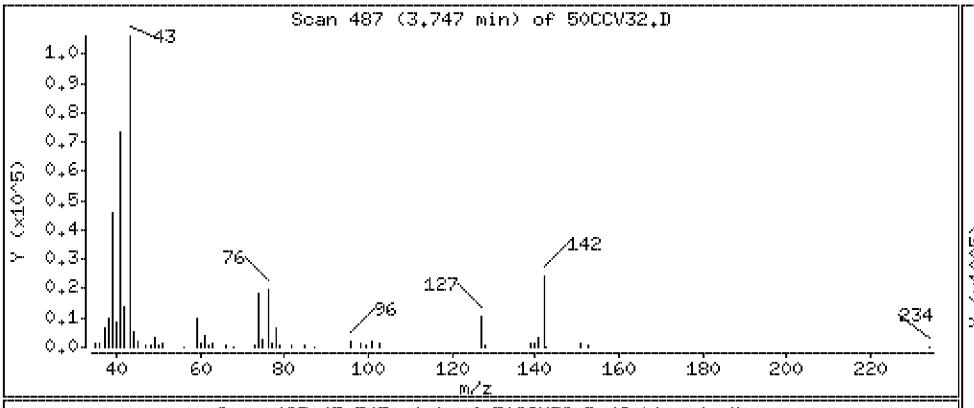
Client ID: 061407CCVA32 Instrument: vms03.i

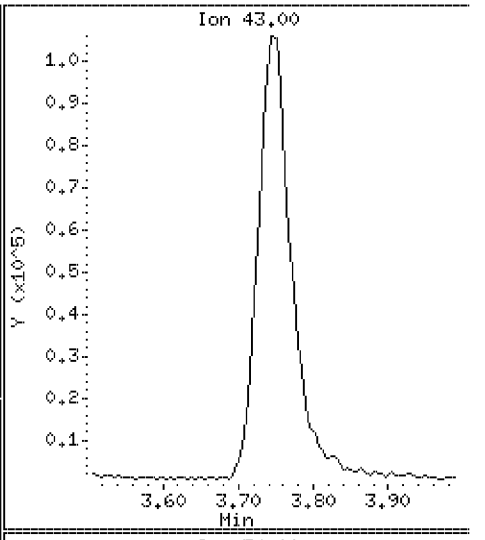
Sample Info: 061407CCV2A32

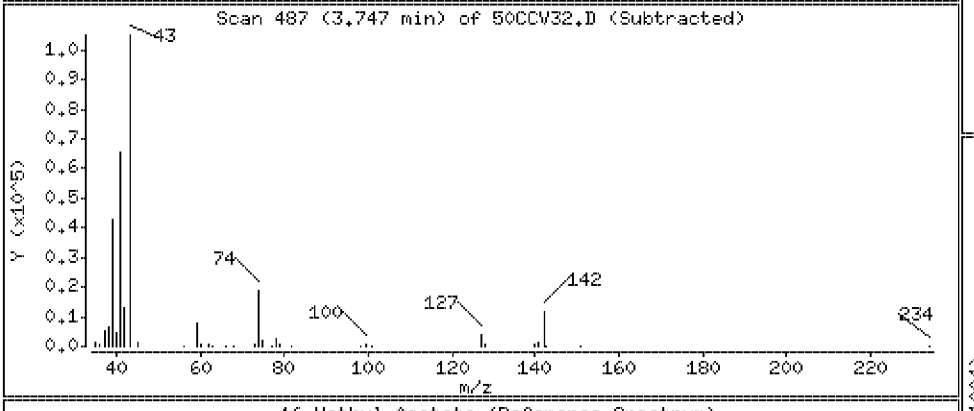
Purge Volume: 5.0 Operator:

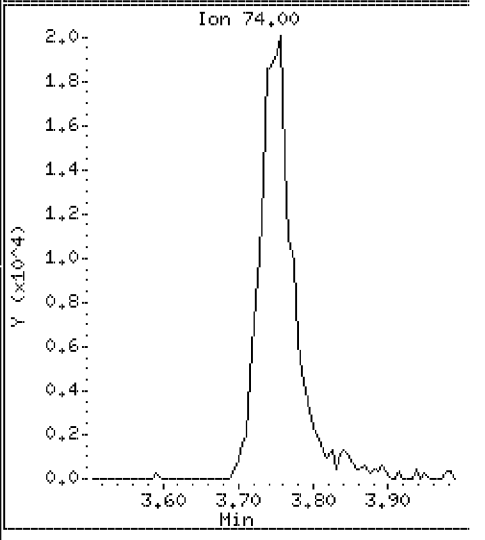
Column phase: DB-624 Column diameter: 0.18

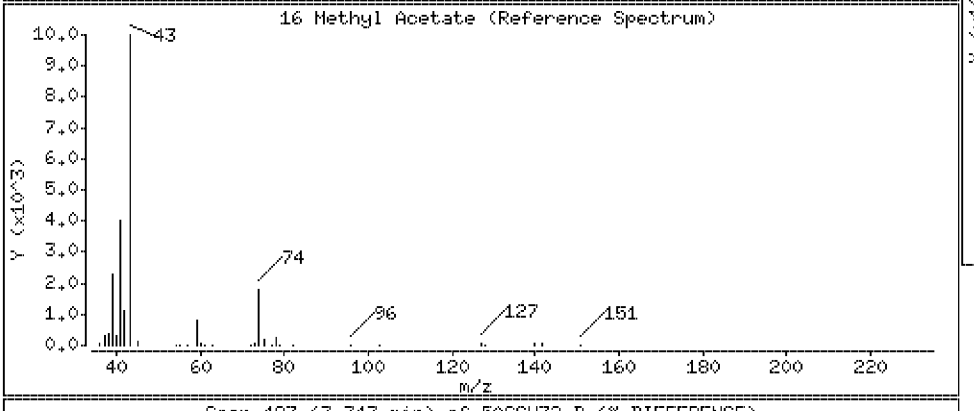
16 Methyl Acetate Concentration: 47.5 ug/l

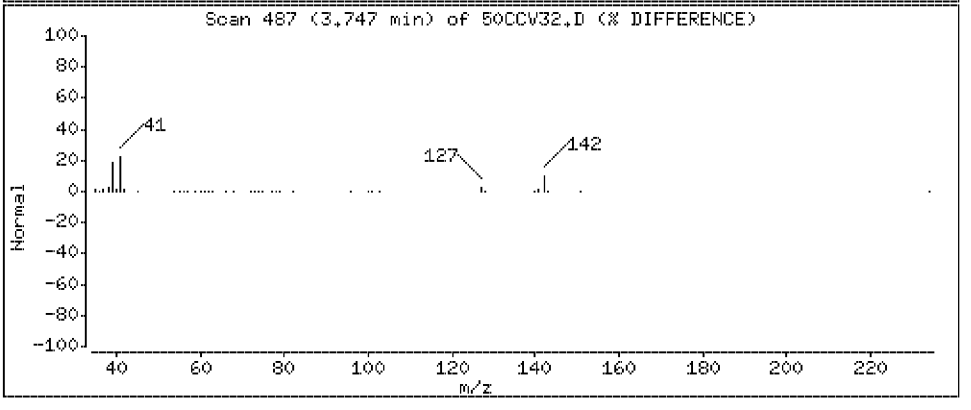












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

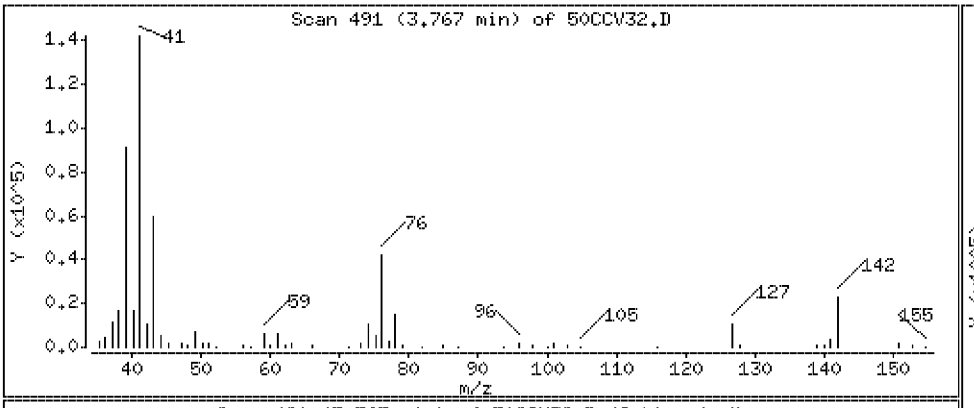
Client ID: 061407CCVA32 | Instrument: vms03.i

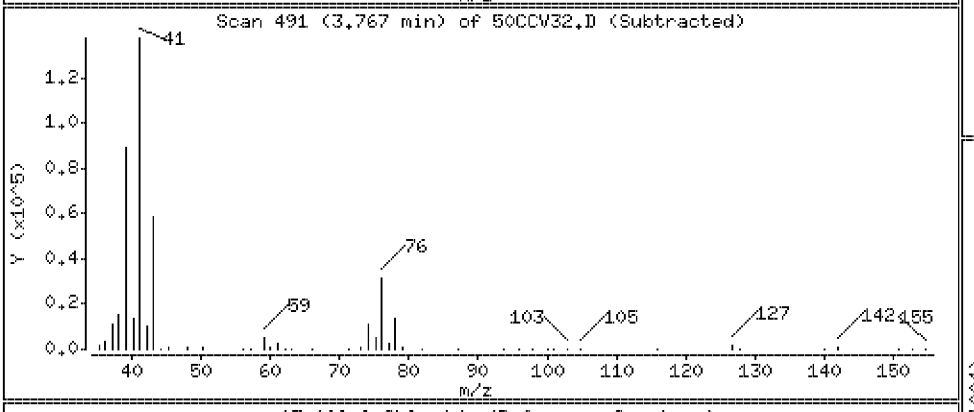
Sample Info: 061407CCV2A32

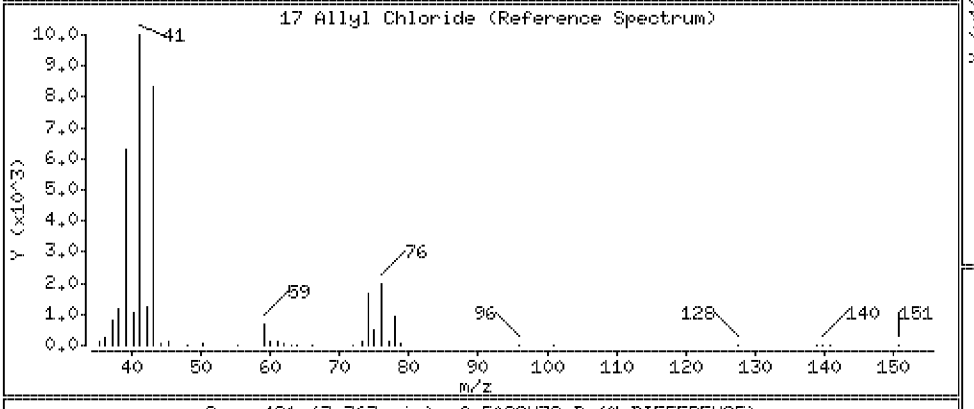
Purge Volume: 5.0 | Operator:

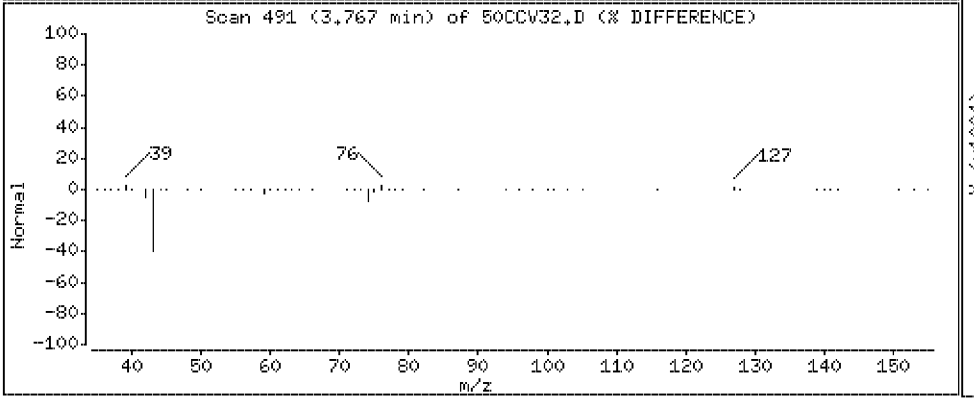
Column phase: DB-624 | Column diameter: 0.18

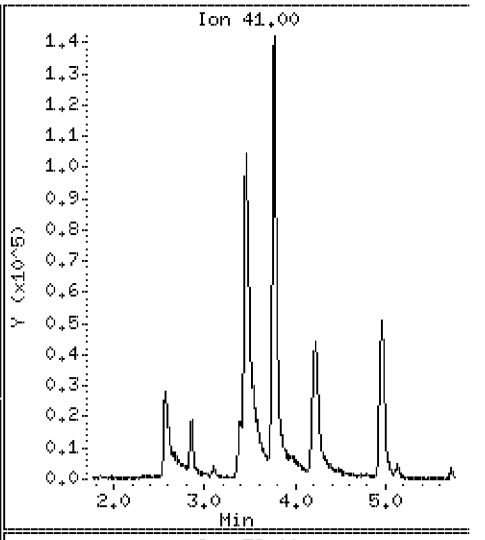
17 Allyl Chloride | Concentration: 58.6 ug/l

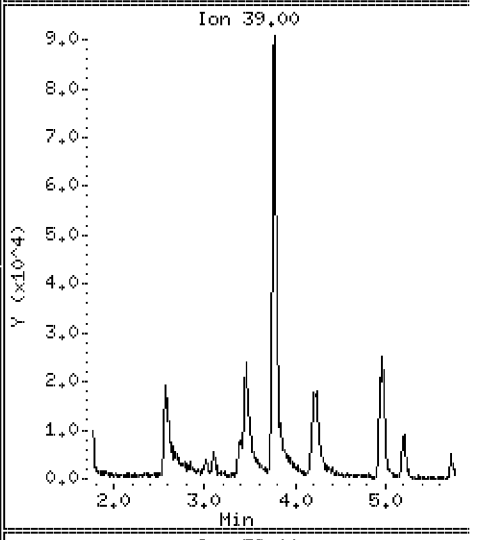


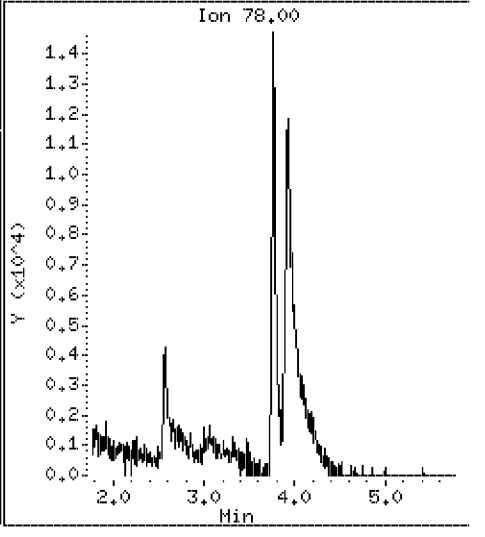












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

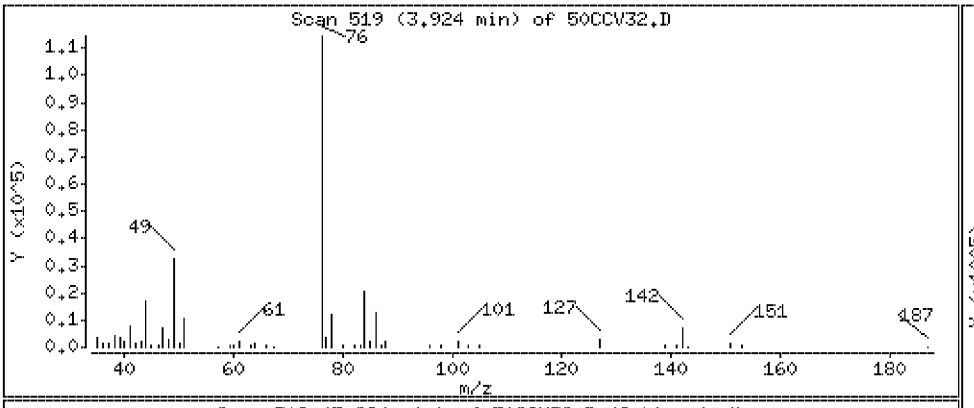
Client ID: 061407CCVA32 Instrument: vms03.i

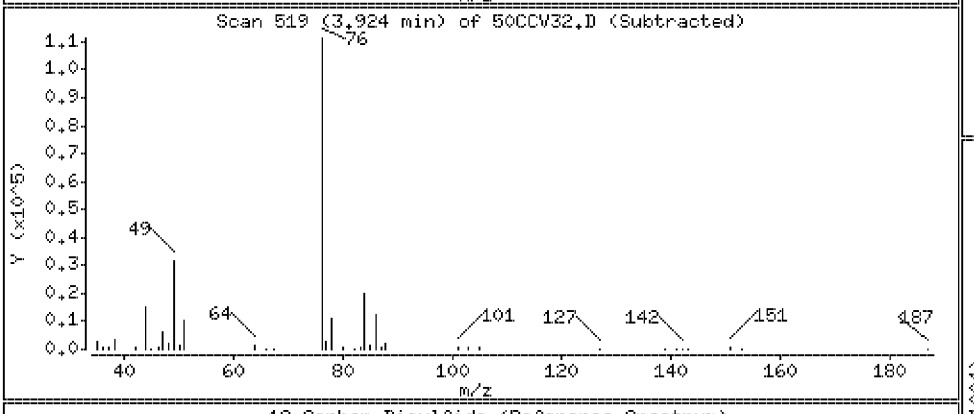
Sample Info: 061407CCV2A32

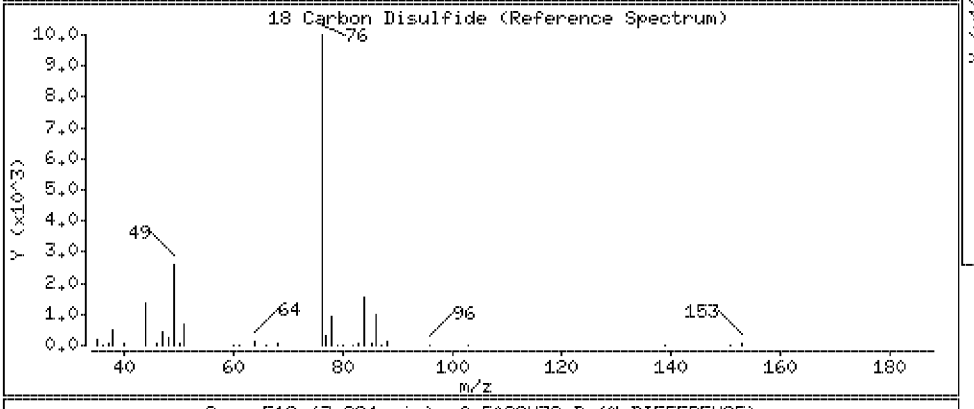
Purge Volume: 5.0 Operator:

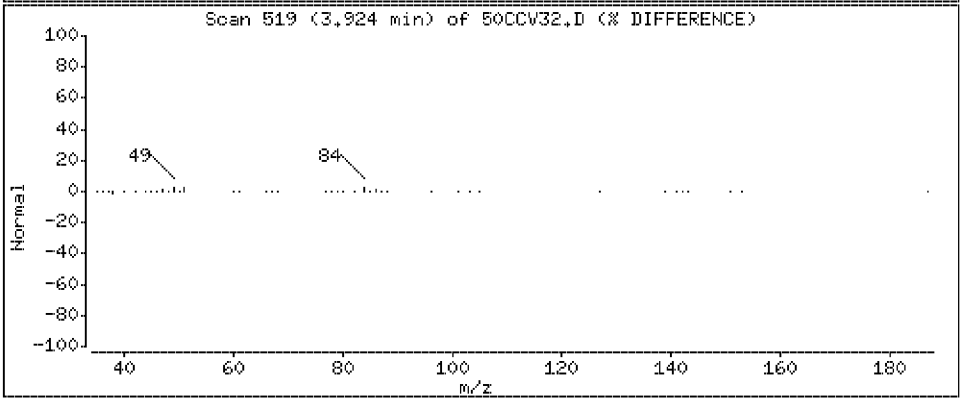
Column phase: DB-624 Column diameter: 0.18

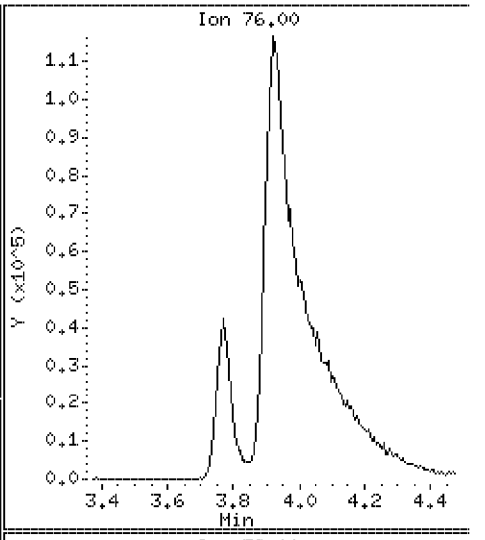
18 Carbon Disulfide Concentration: 48.2 ug/l

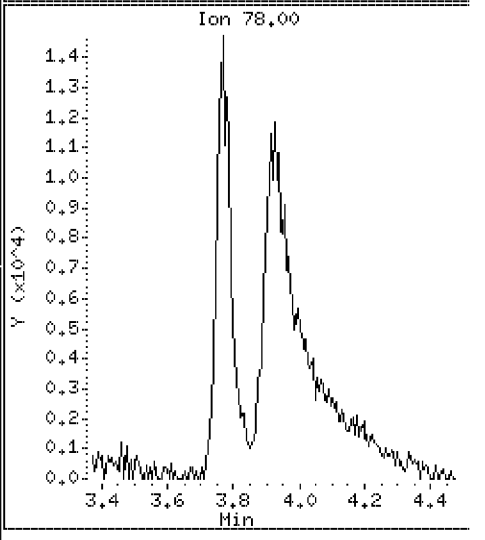












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

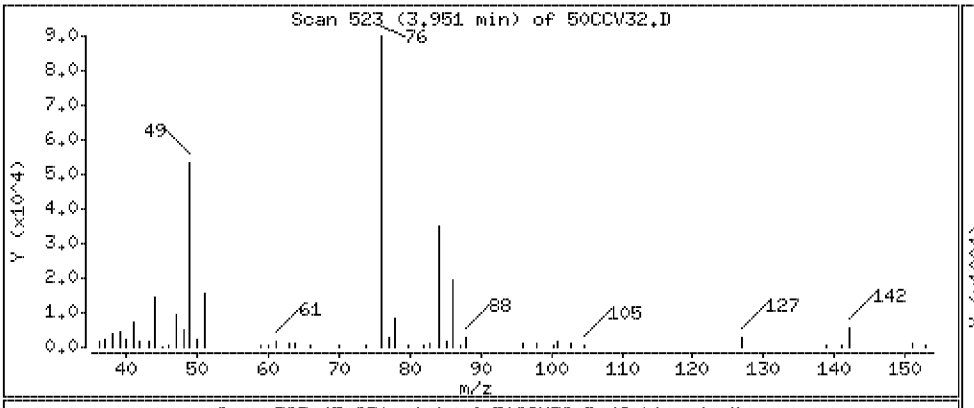
Client ID: 061407CCVA32 Instrument: vms03.i

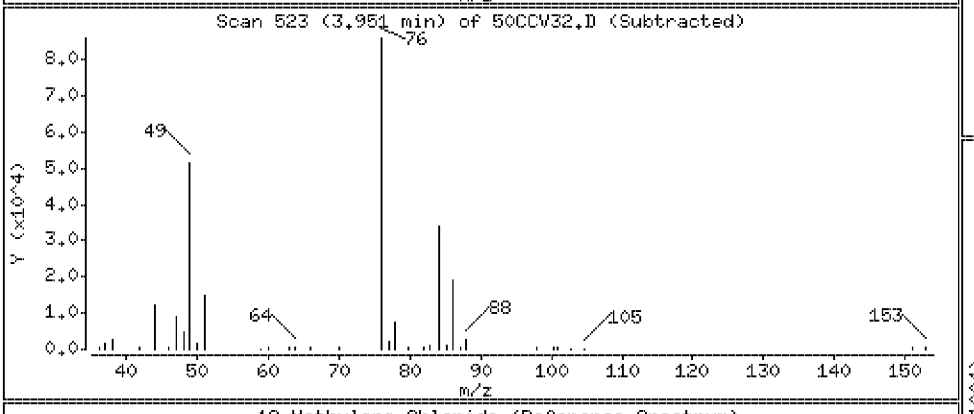
Sample Info: 061407CCV2A32

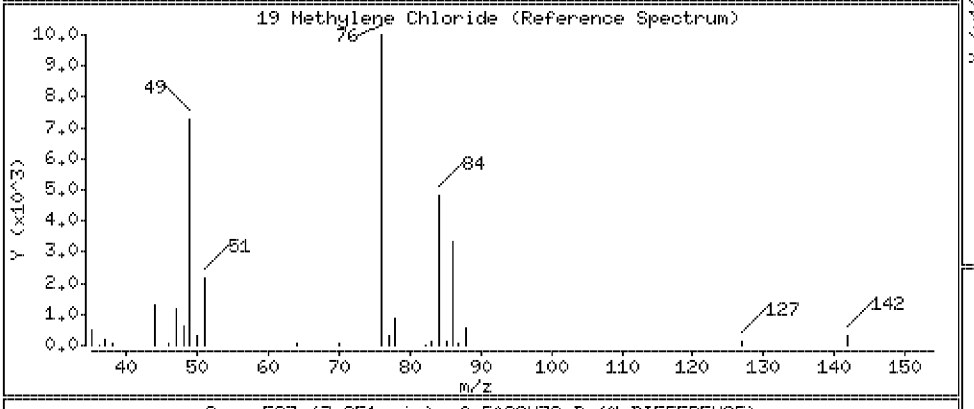
Purge Volume: 5.0 Operator:

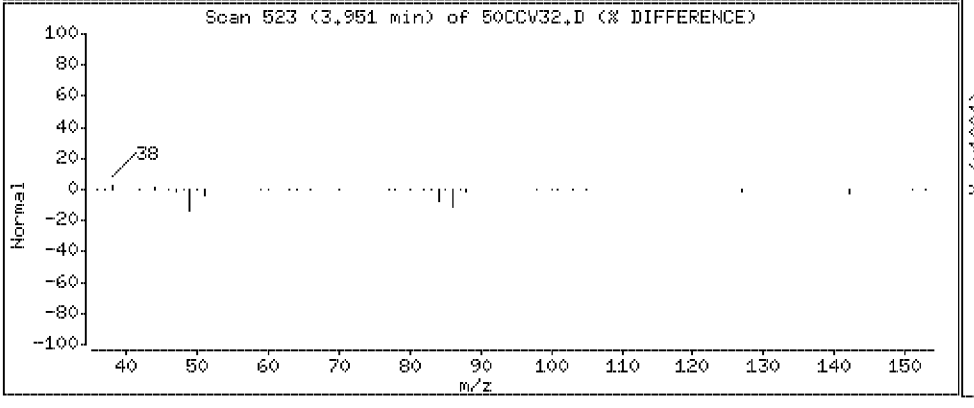
Column phase: DB-624 Column diameter: 0.18

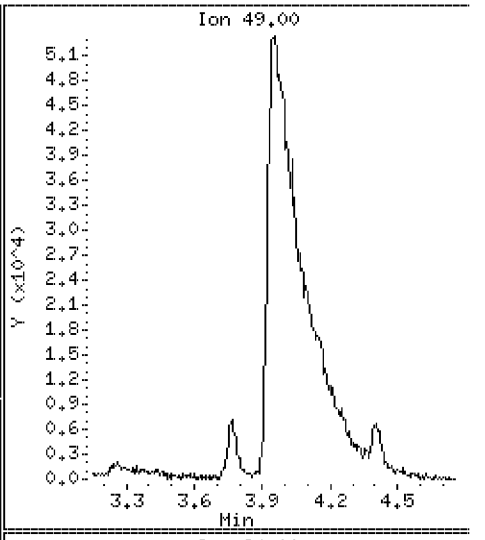
19 Methylene Chloride Concentration: 54.3 ug/l

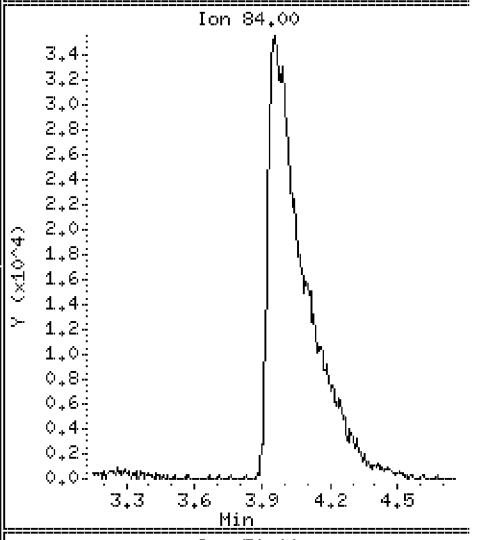


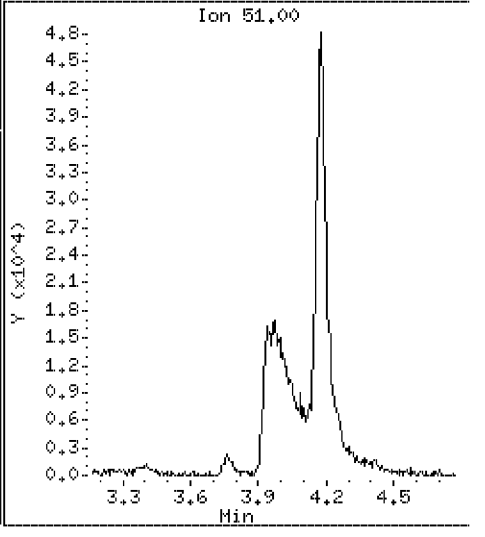












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

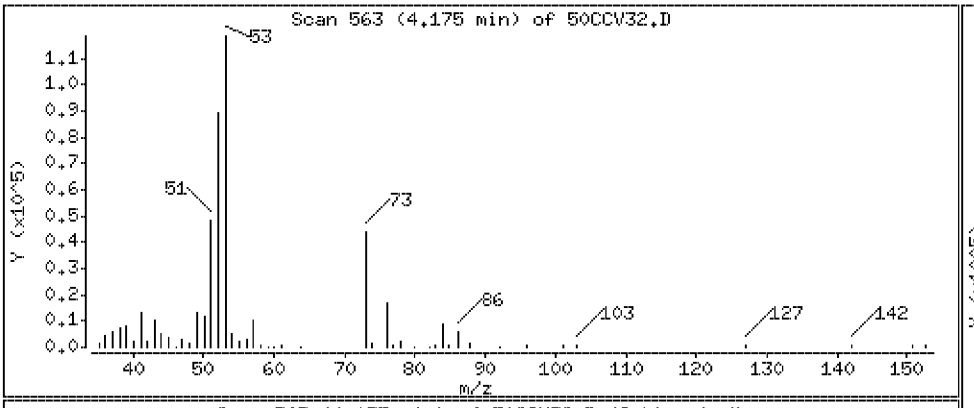
Client ID: 061407CCVA32 Instrument: vms03.i

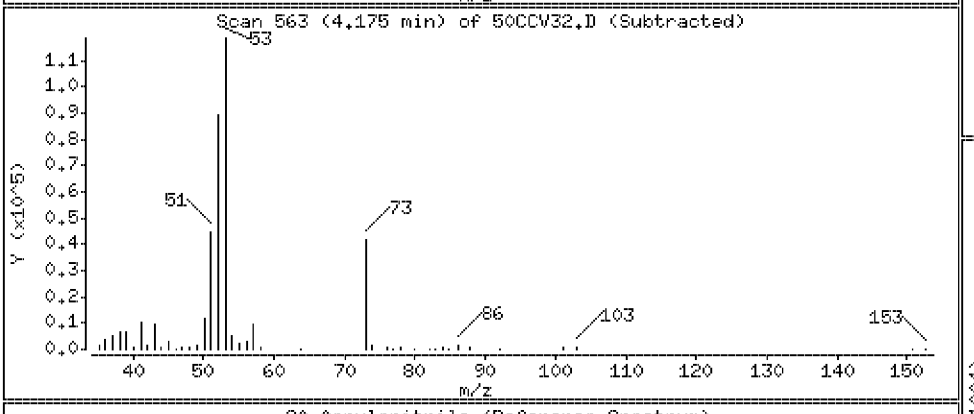
Sample Info: 061407CCV2A32

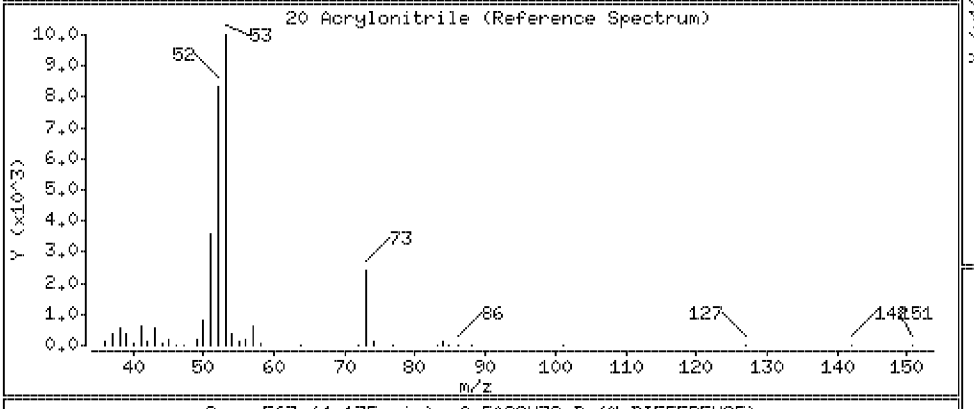
Purge Volume: 5.0 Operator:

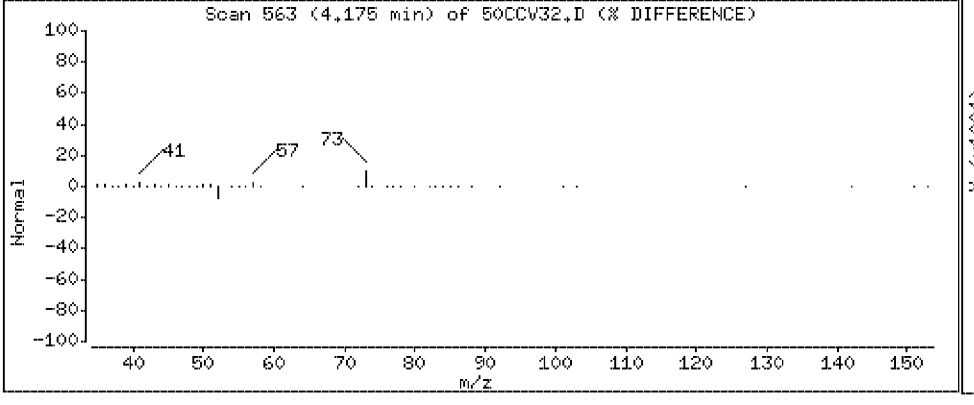
Column phase: DB-624 Column diameter: 0.18

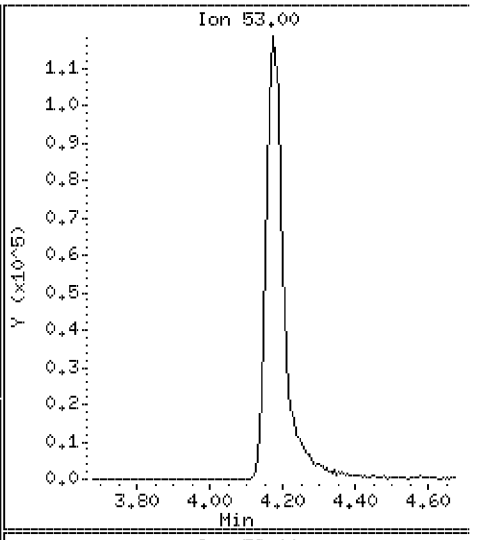
20 Acrylonitrile Concentration: 115 ug/l

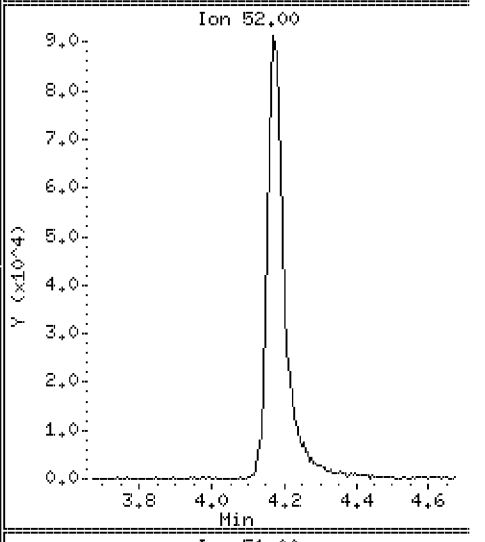


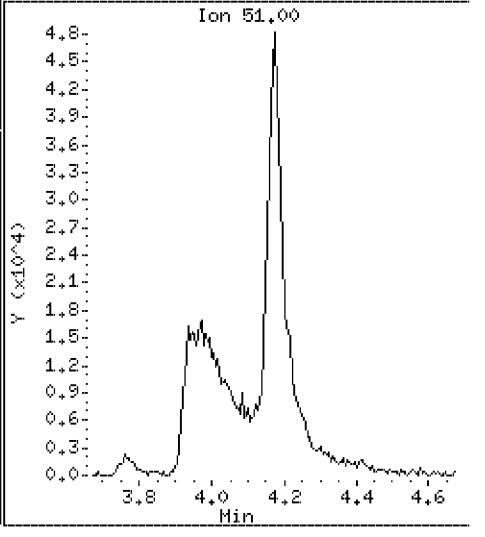












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

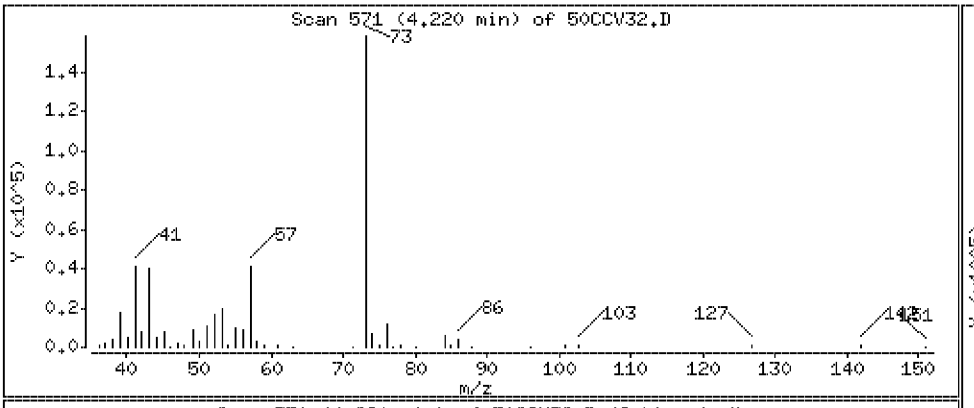
Client ID: 061407CCVA32 Instrument: vms03.i

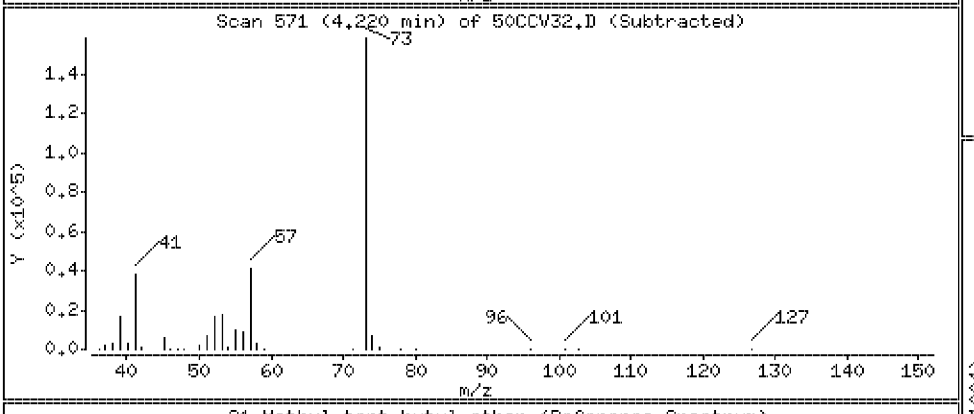
Sample Info: 061407CCV2A32

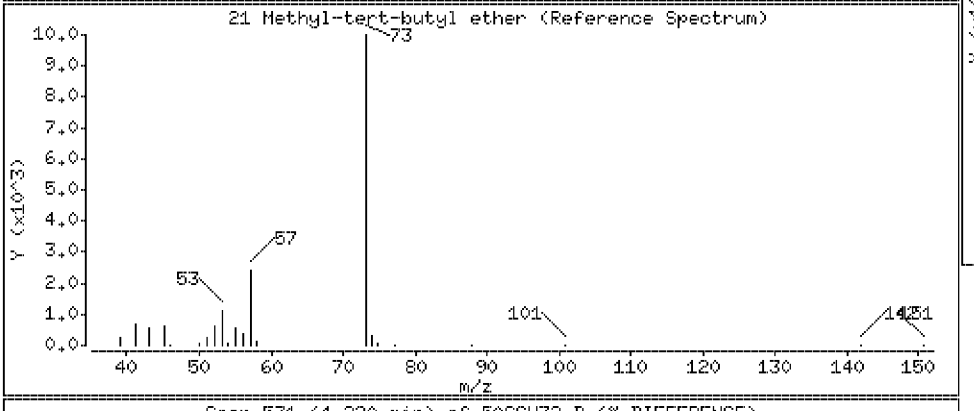
Purge Volume: 5.0 Operator:

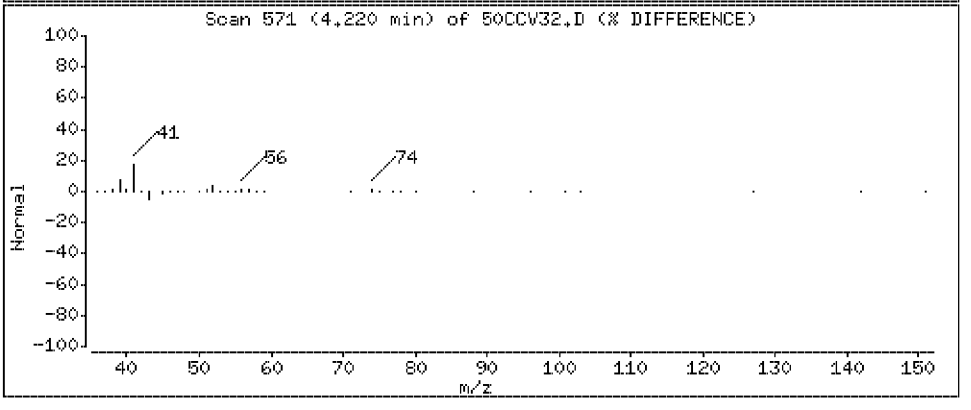
Column phase: DB-624 Column diameter: 0.18

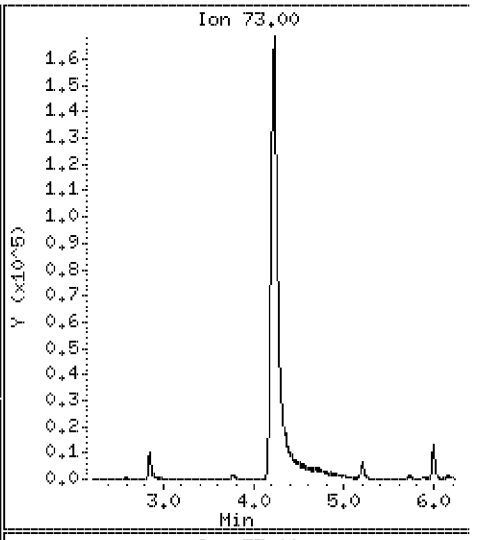
21 Methyl-tert-butyl ether Concentration: 49.4 ug/l

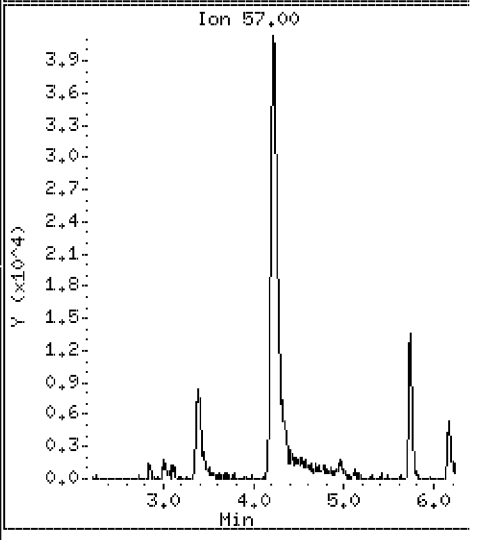












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

Client ID: 061407CCVA32

Instrument: vms03.i

Sample Info: 061407CCV2A32

Purge Volume: 5.0

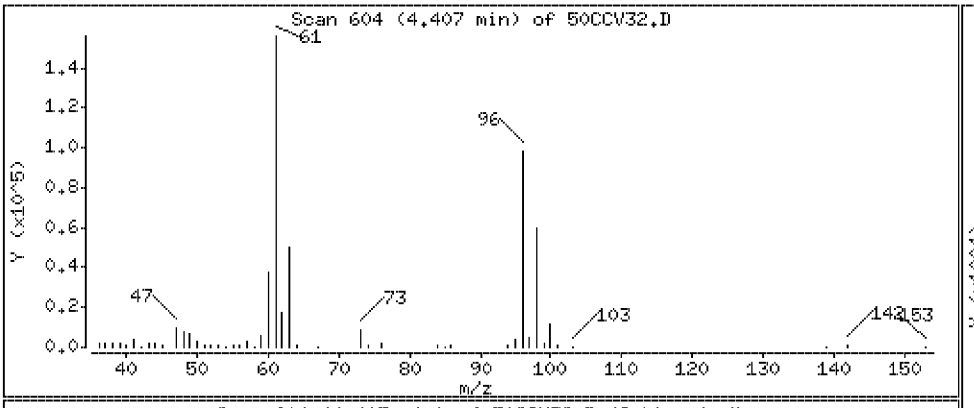
Operator:

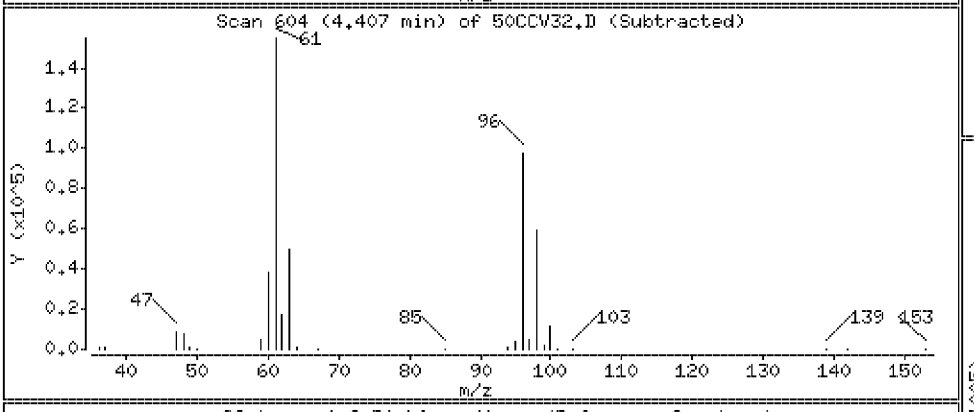
Column phase: DB-624

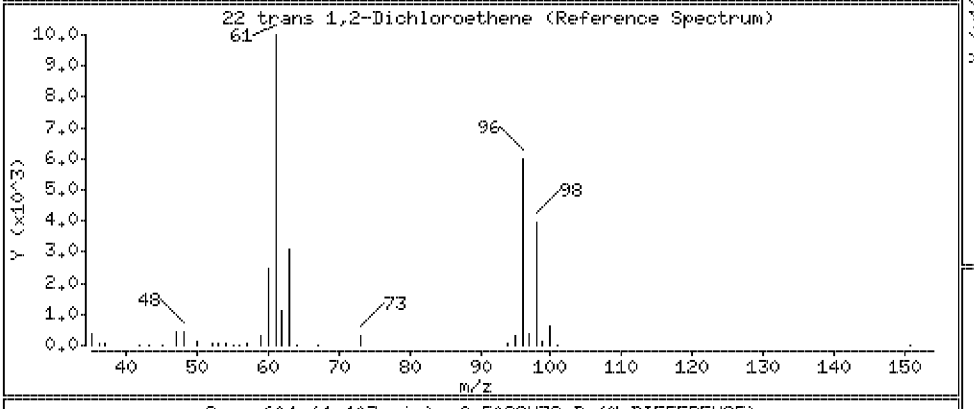
Column diameter: 0.18

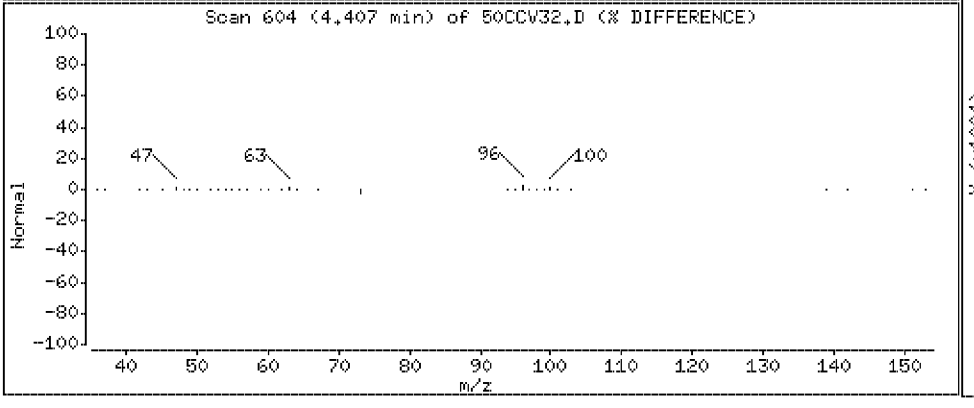
22 trans 1,2-Dichloroethene

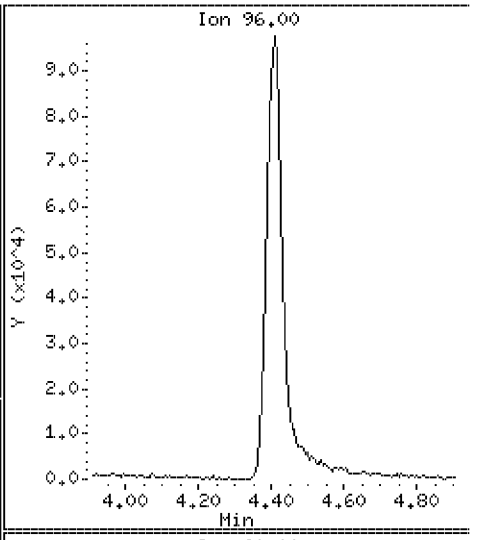
Concentration: 51.2 ug/l

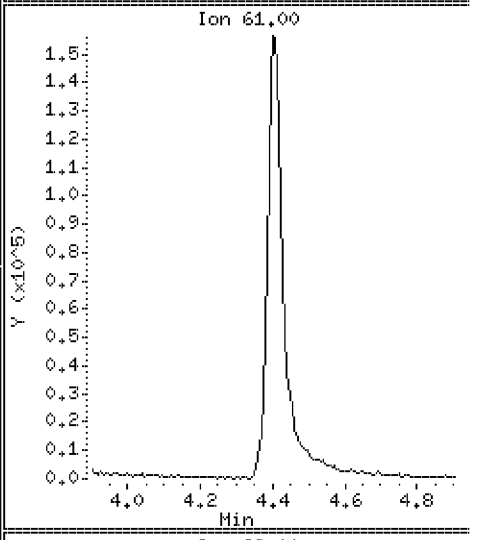


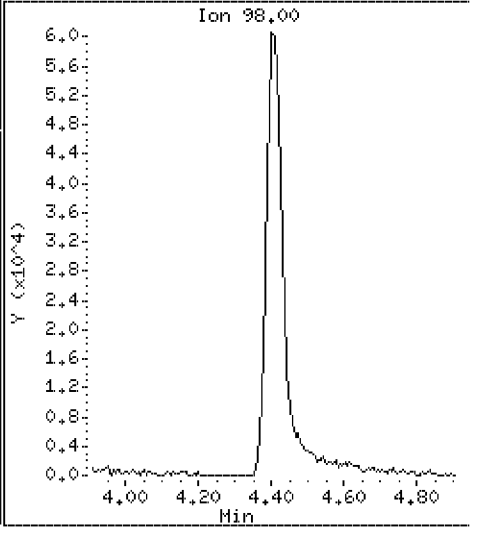












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

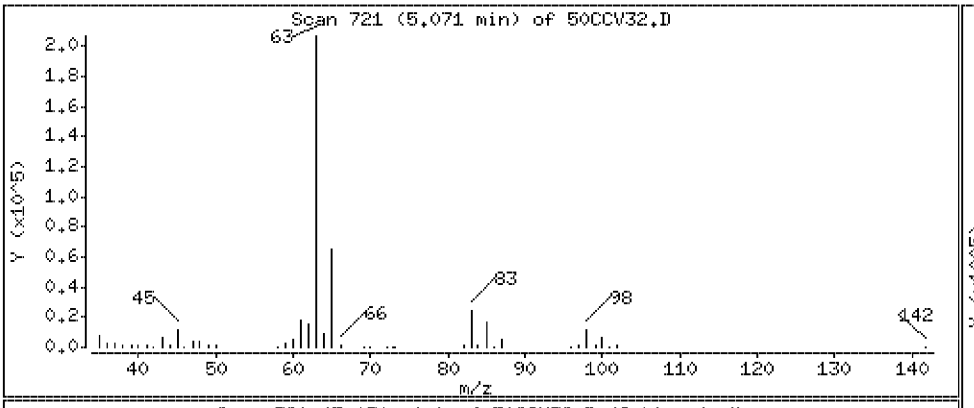
Client ID: 061407CCVA32 Instrument: vms03.i

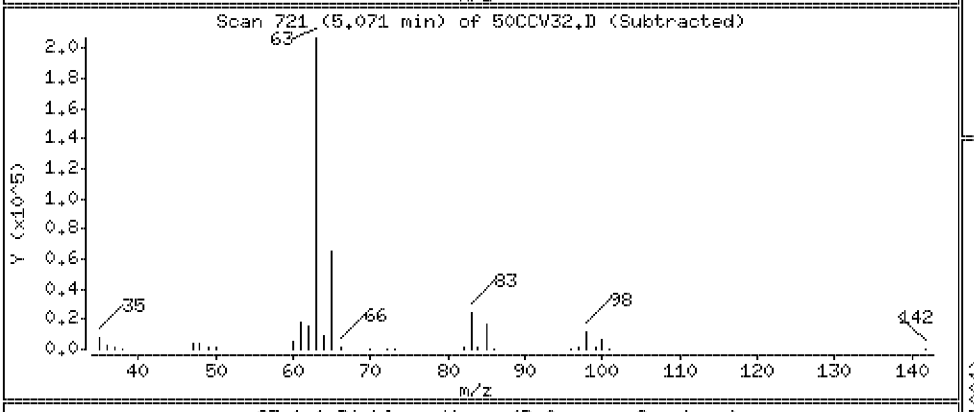
Sample Info: 061407CCV2A32

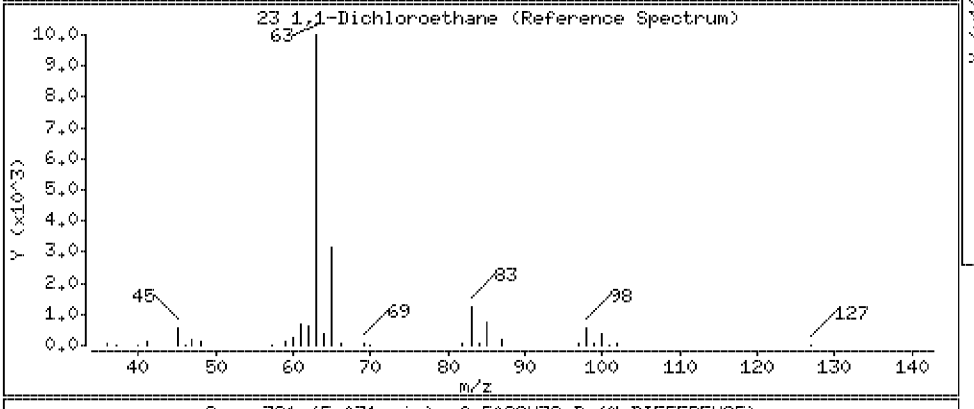
Purge Volume: 5.0 Operator:

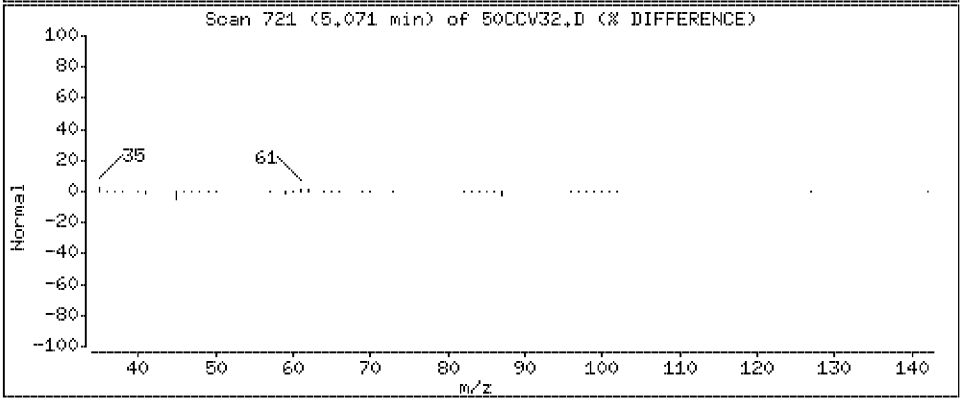
Column phase: DB-624 Column diameter: 0.18

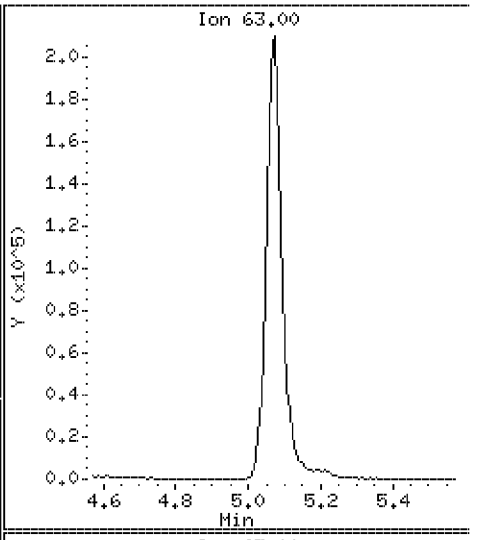
23 1,1-Dichloroethane Concentration: 53.2 ug/l

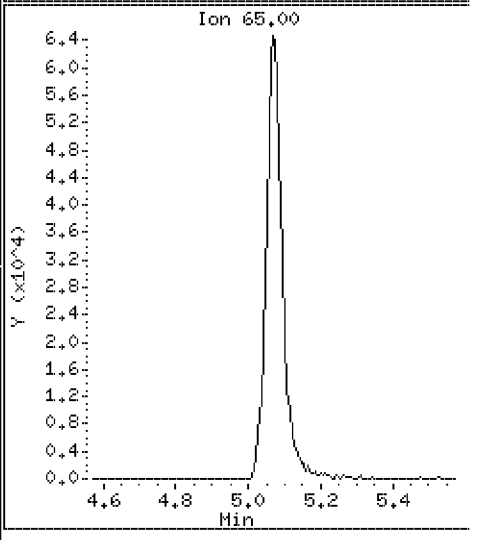












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

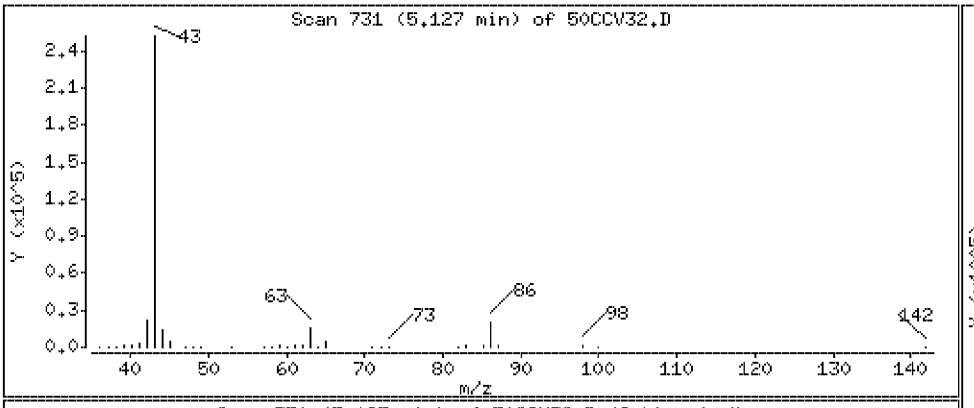
Client ID: 061407CCVA32 Instrument: vms03.i

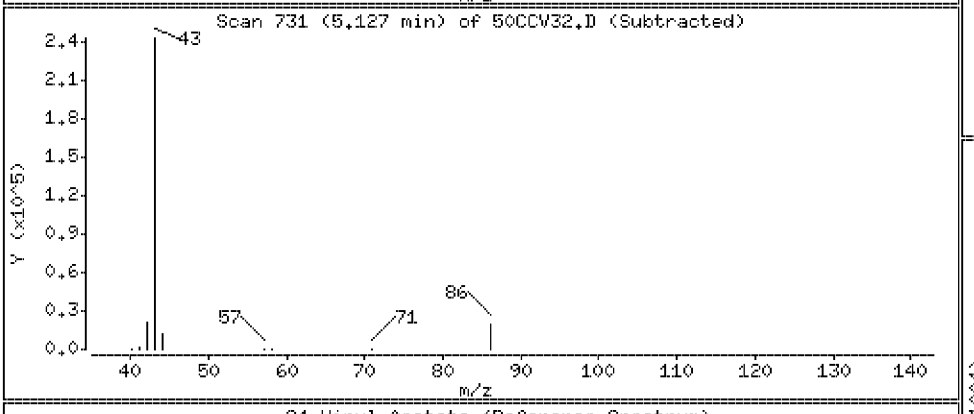
Sample Info: 061407CCV2A32

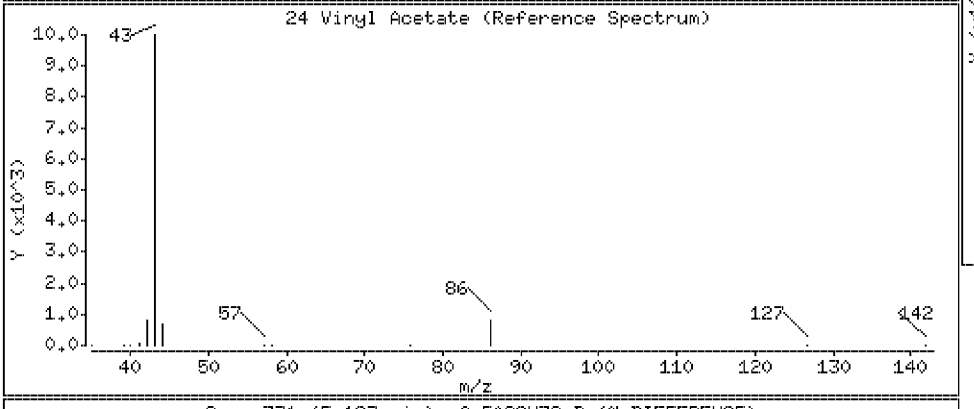
Purge Volume: 5.0 Operator:

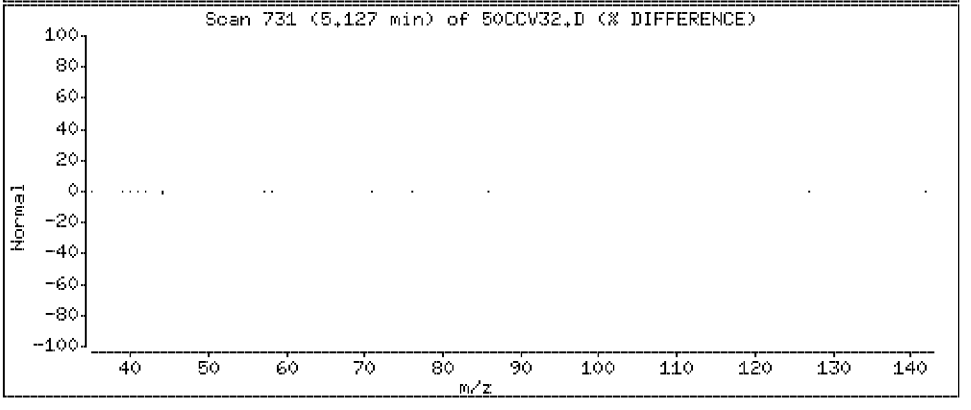
Column phase: DB-624 Column diameter: 0.18

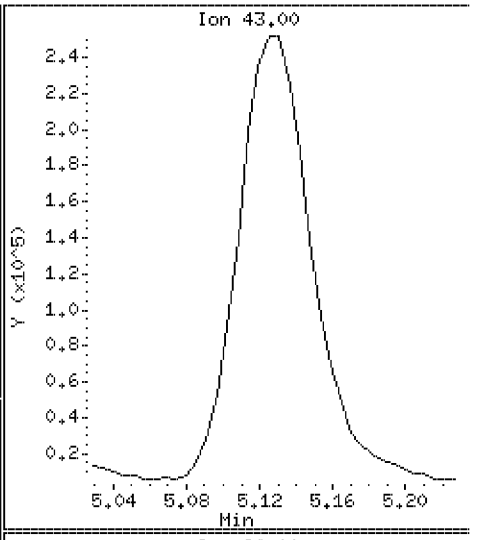
24 Vinyl Acetate Concentration: 62.5 ug/l

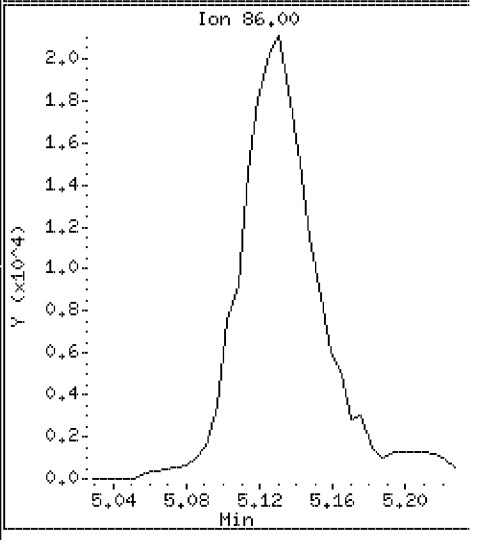












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

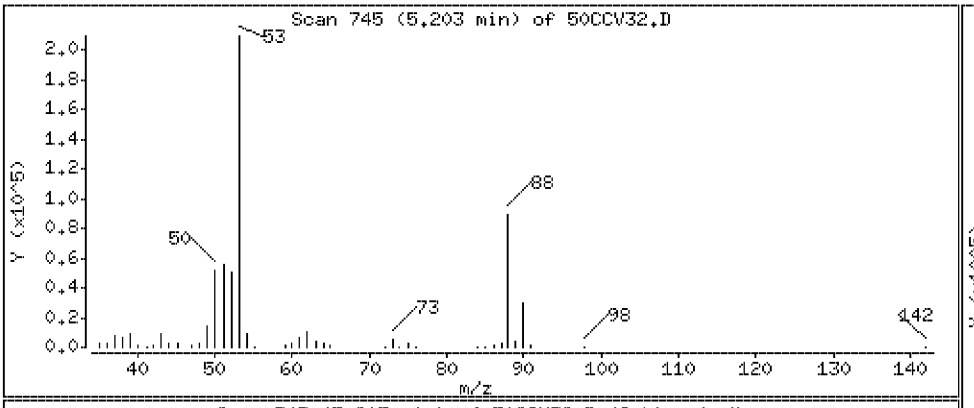
Client ID: 061407CCVA32 | Instrument: vms03.i

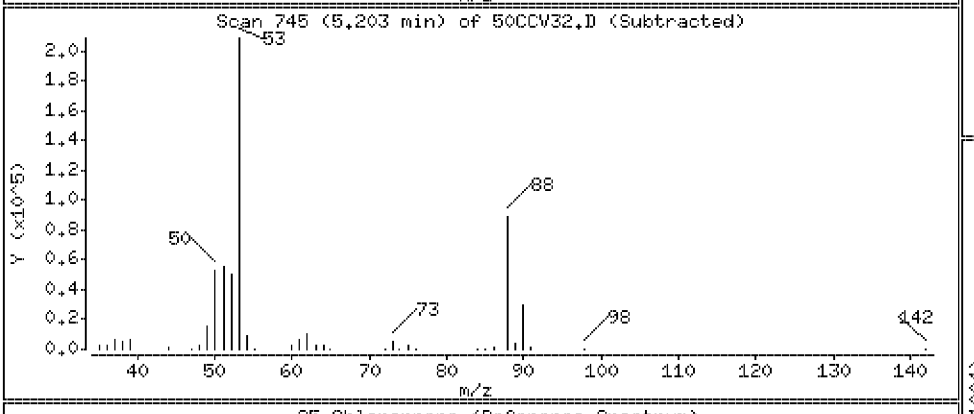
Sample Info: 061407CCV2A32

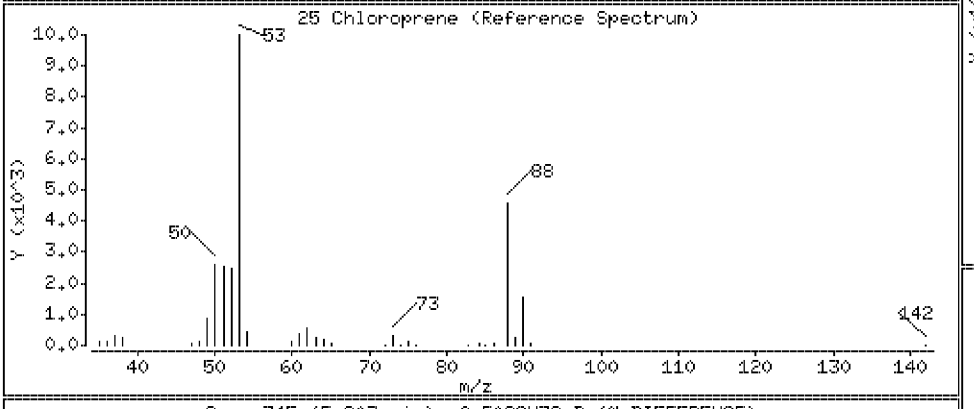
Purge Volume: 5.0 | Operator:

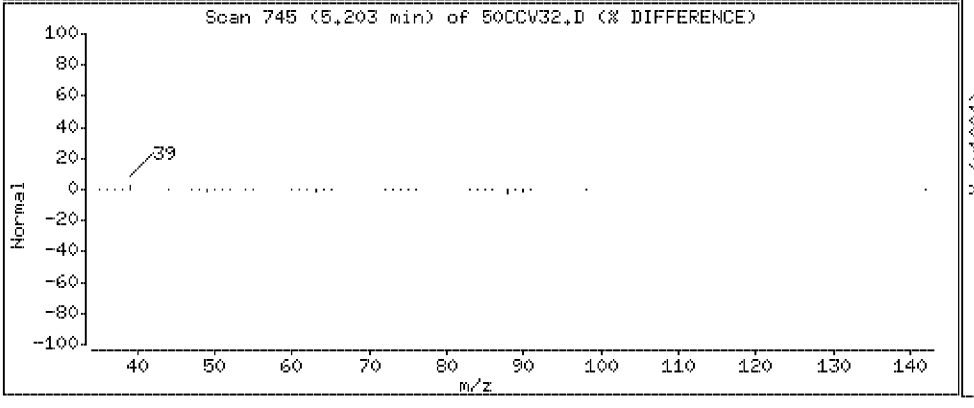
Column phase: DB-624 | Column diameter: 0.18

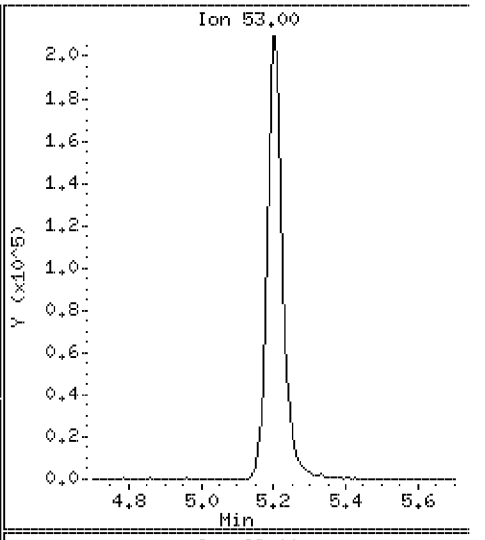
25 Chloroprene | Concentration: 52.4 ug/l

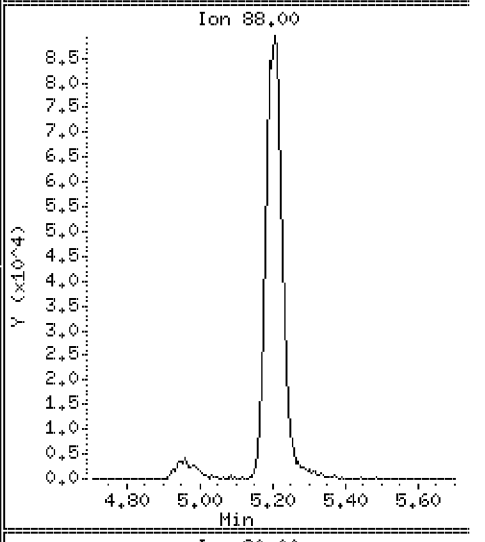


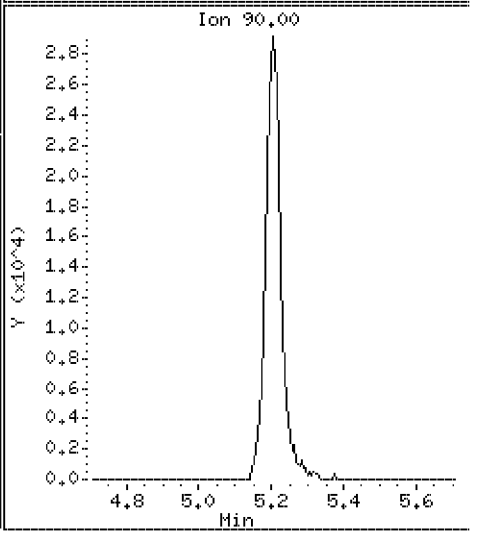












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

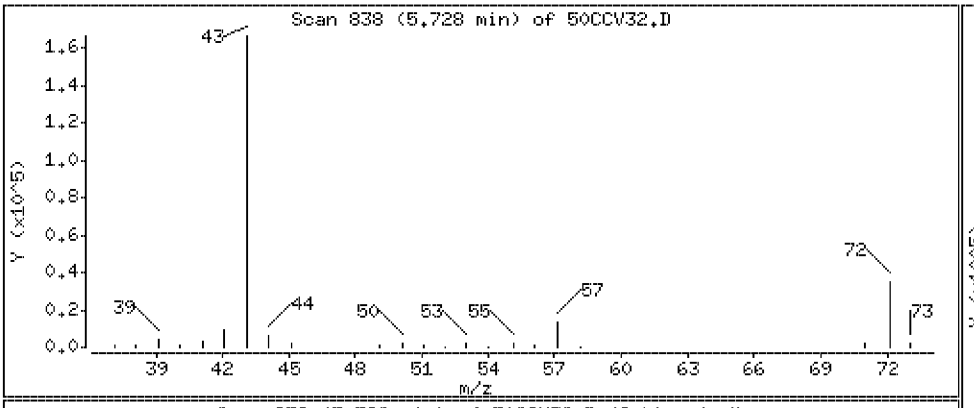
Client ID: 061407CCVA32 Instrument: vms03.i

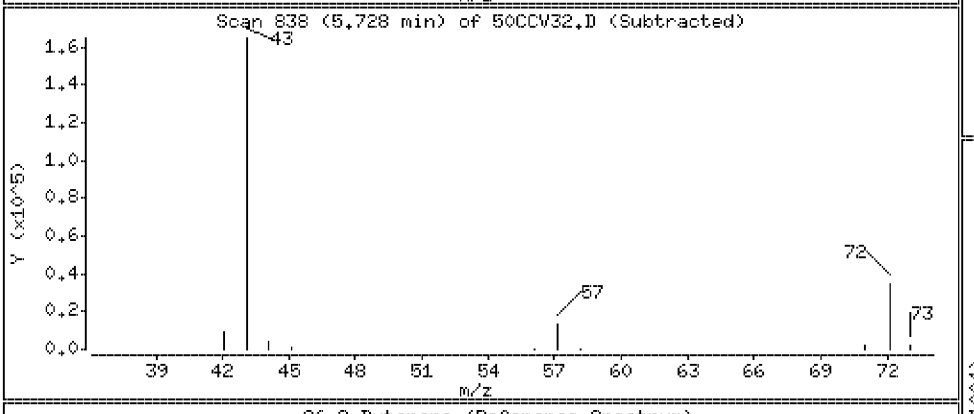
Sample Info: 061407CCV2A32

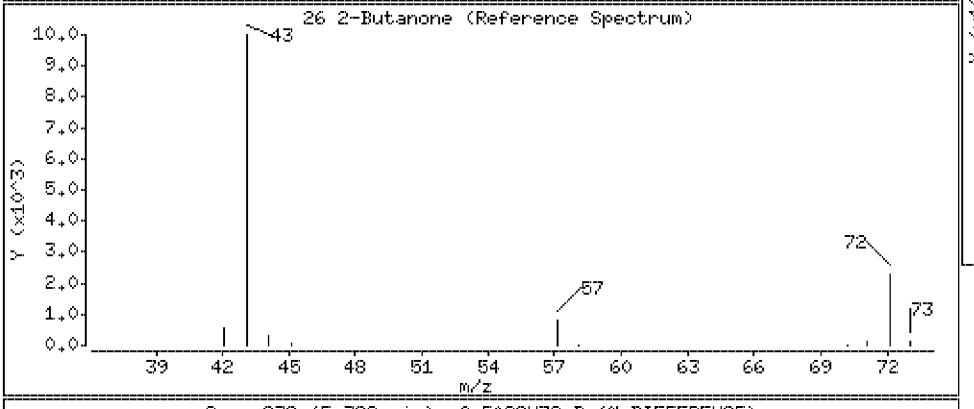
Purge Volume: 5.0 Operator:

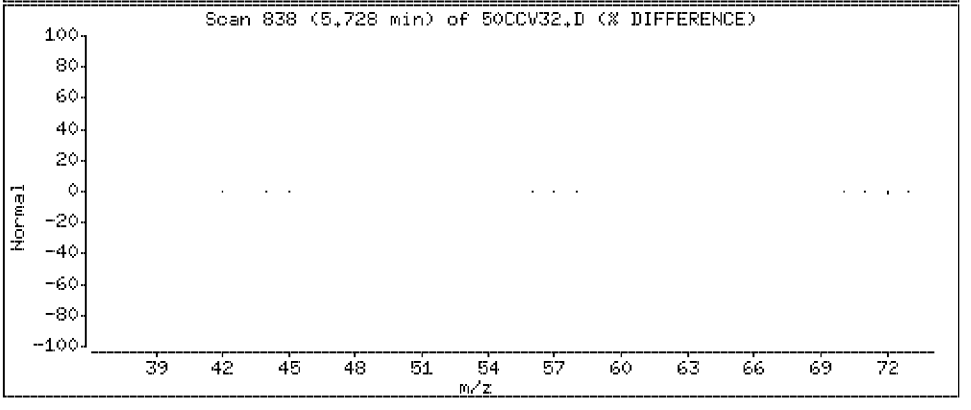
Column phase: DB-624 Column diameter: 0.18

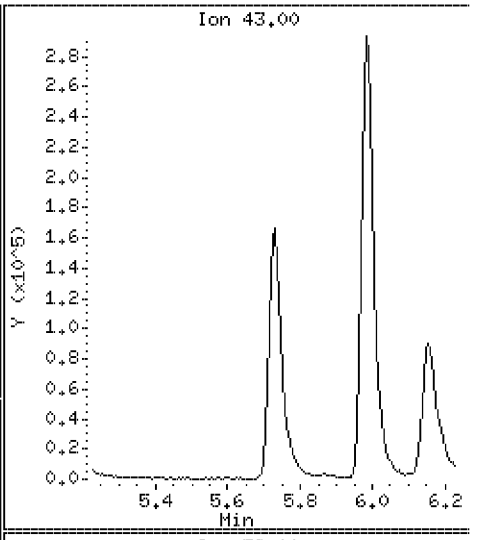
26 2-Butanone Concentration: 109 ug/l

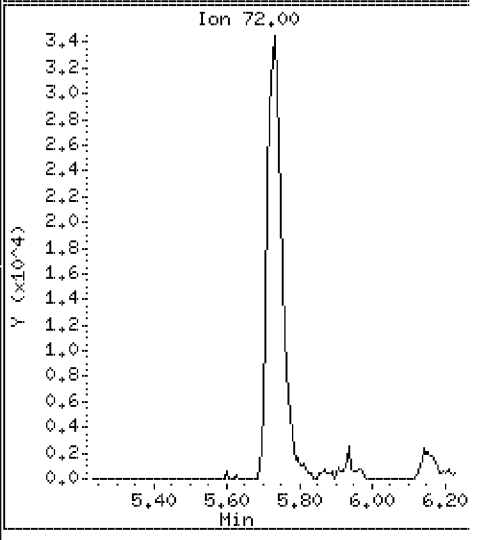












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Date : 14-JUN-2007 06:20

Client ID: 061407CCVA32

Instrument: vms03.i

Sample Info: 061407CCV2A32

Purge Volume: 5.0

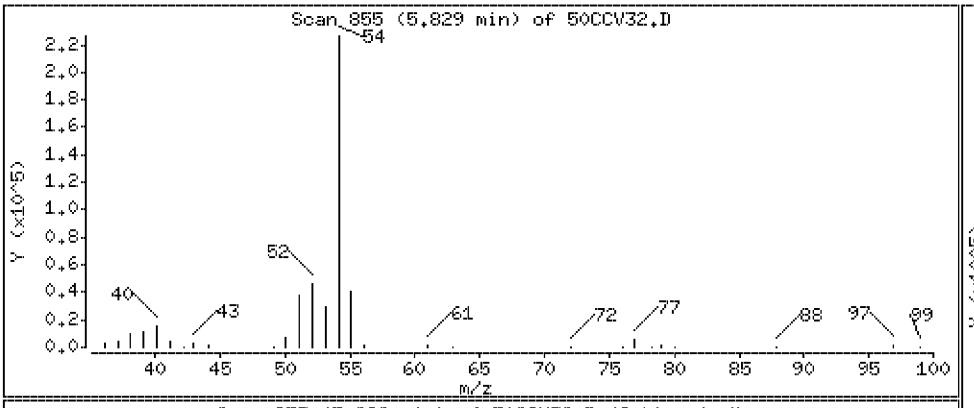
Operator:

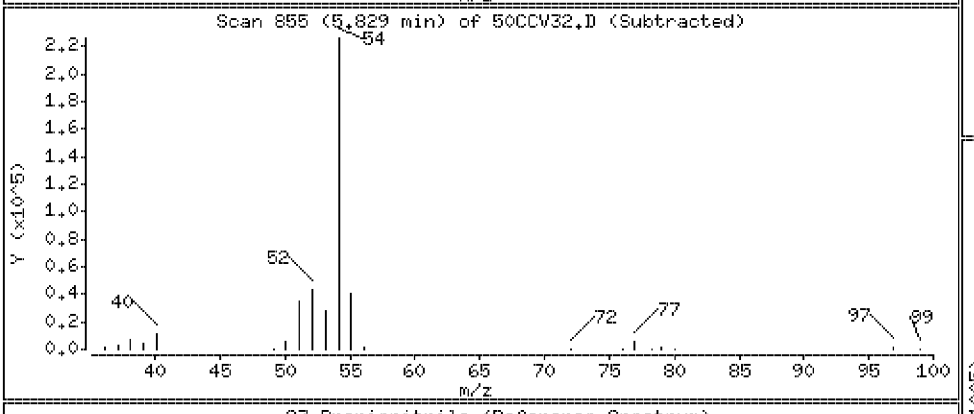
Column phase: DB-624

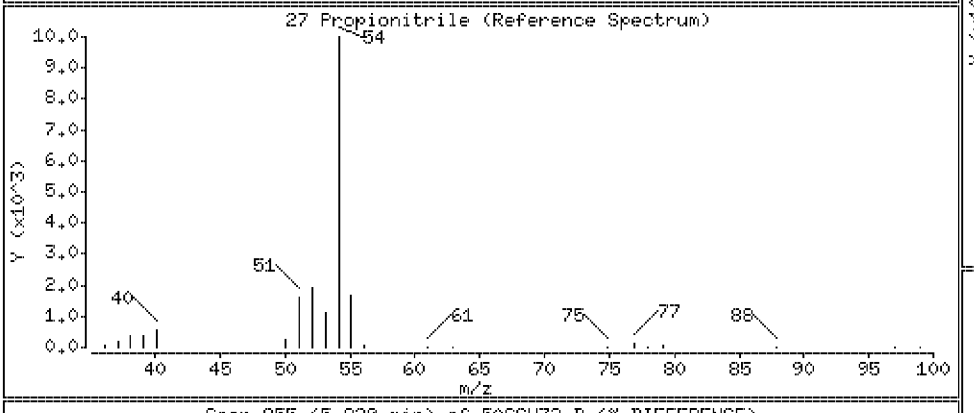
Column diameter: 0.18

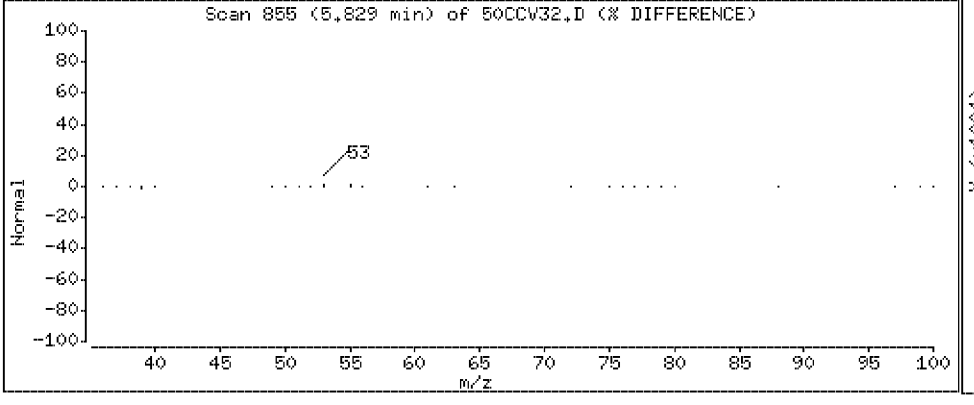
27 Propionitrile

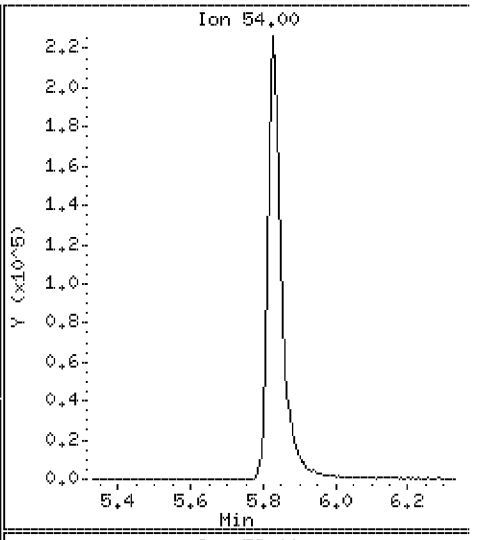
Concentration: 464 ug/l

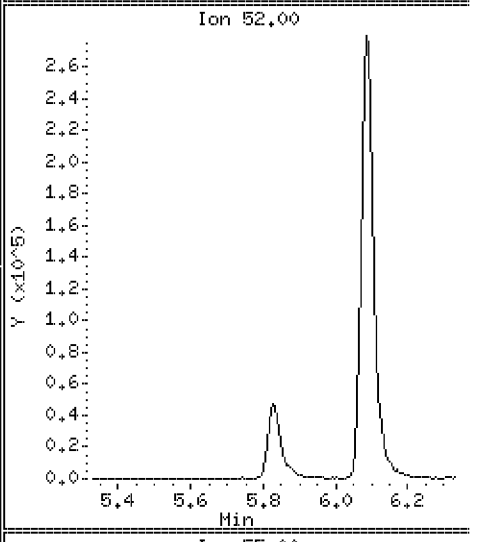


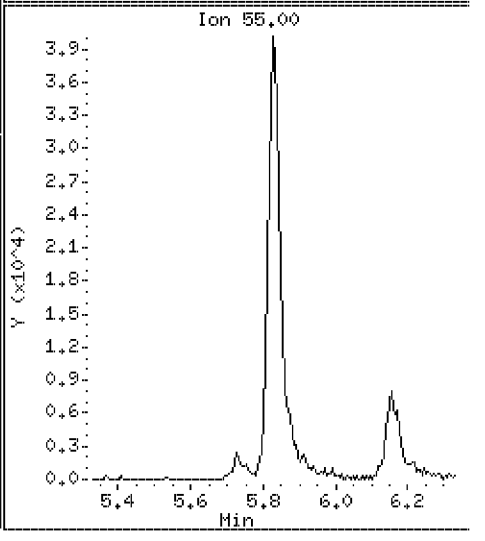












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

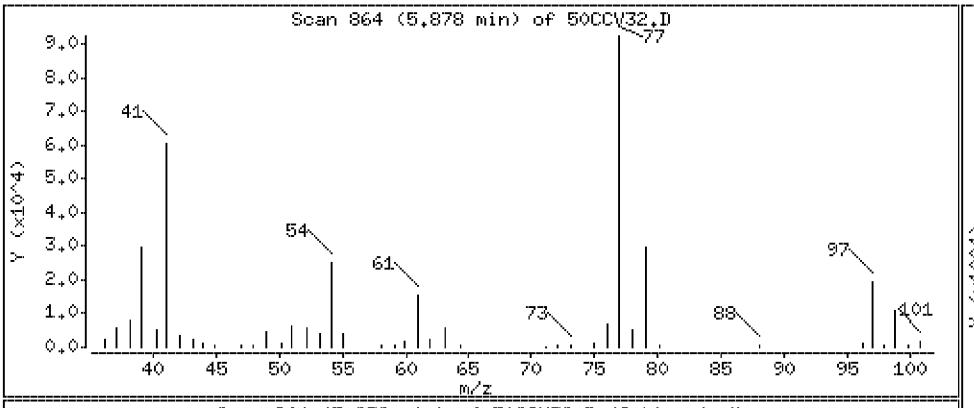
Client ID: 061407CCVA32 Instrument: vms03.i

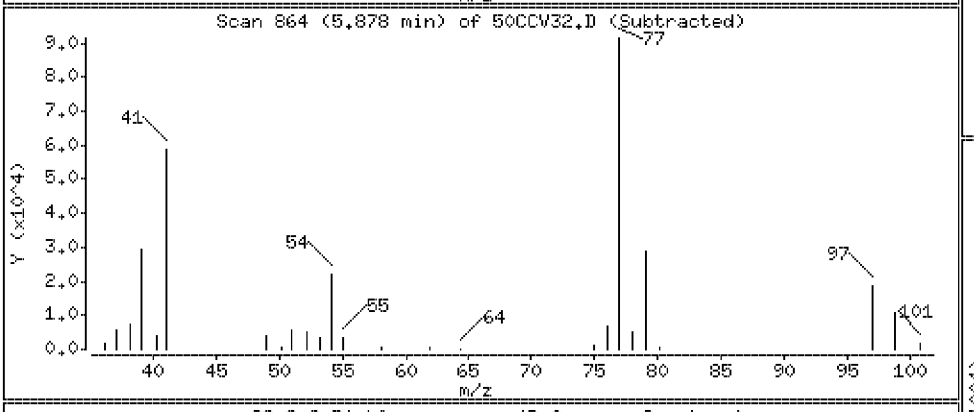
Sample Info: 061407CCV2A32

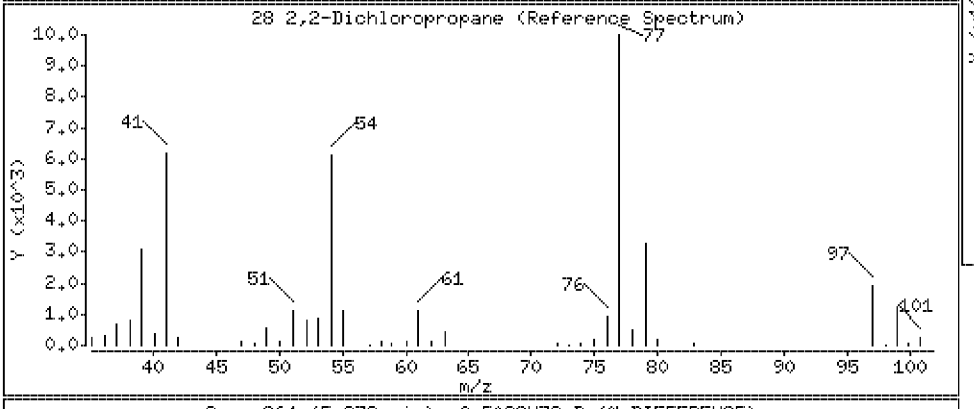
Purge Volume: 5.0 Operator:

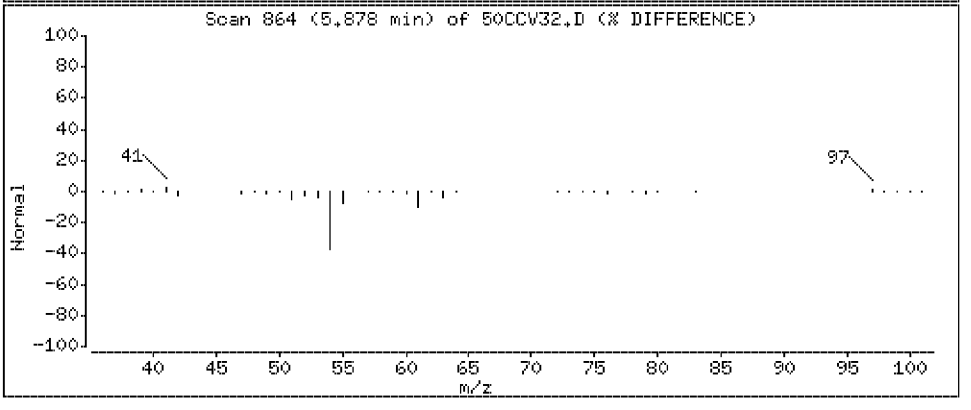
Column phase: DB-624 Column diameter: 0.18

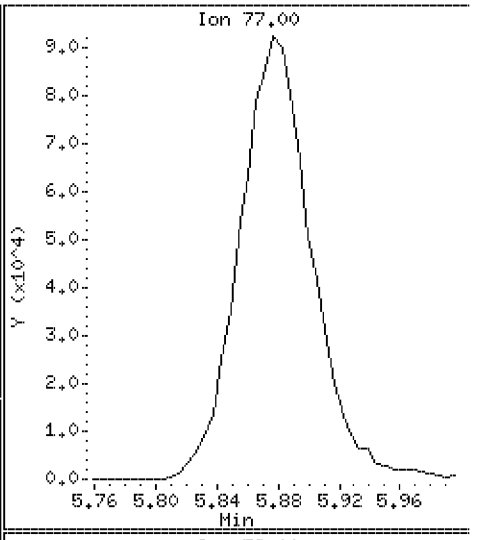
28 2,2-Dichloropropane Concentration: 51.8 ug/l

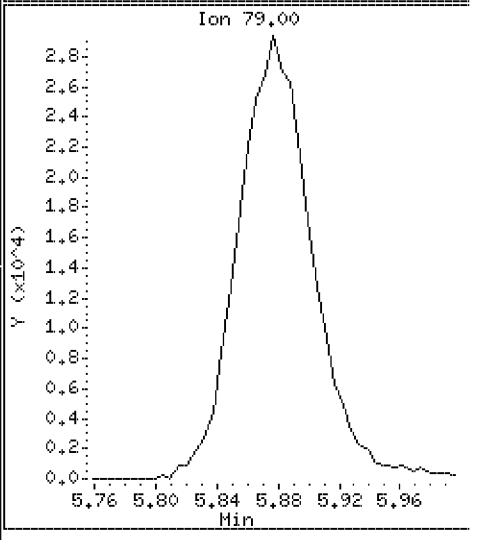












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

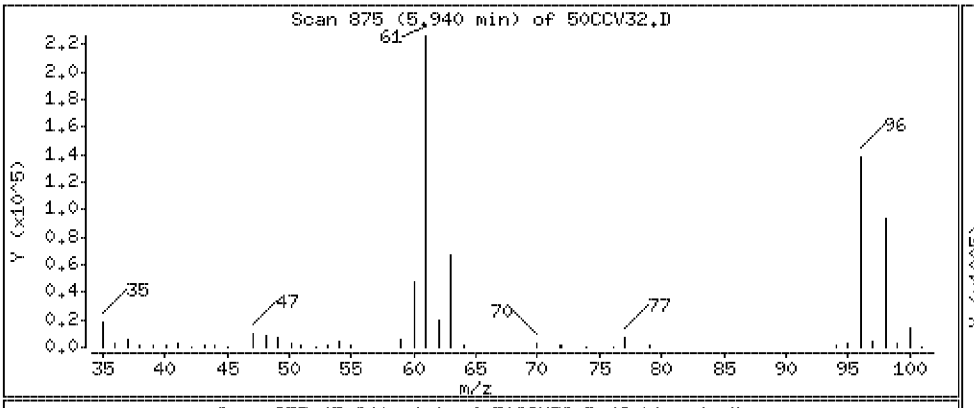
Client ID: 061407CCVA32 Instrument: vms03.i

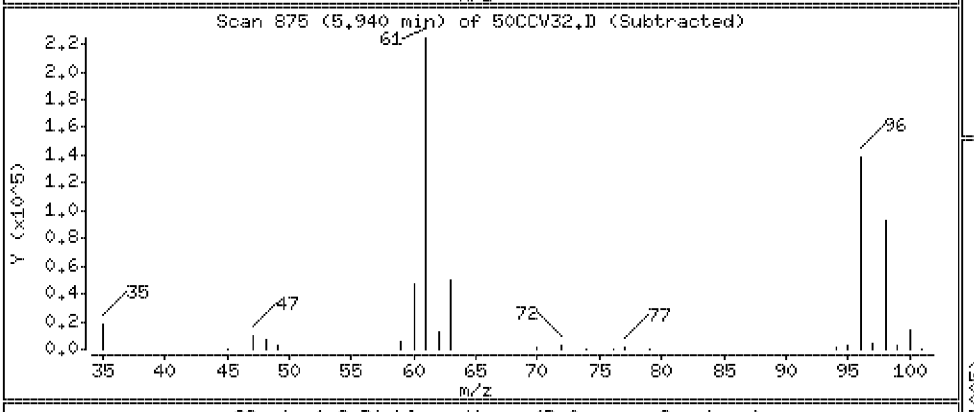
Sample Info: 061407CCV2A32

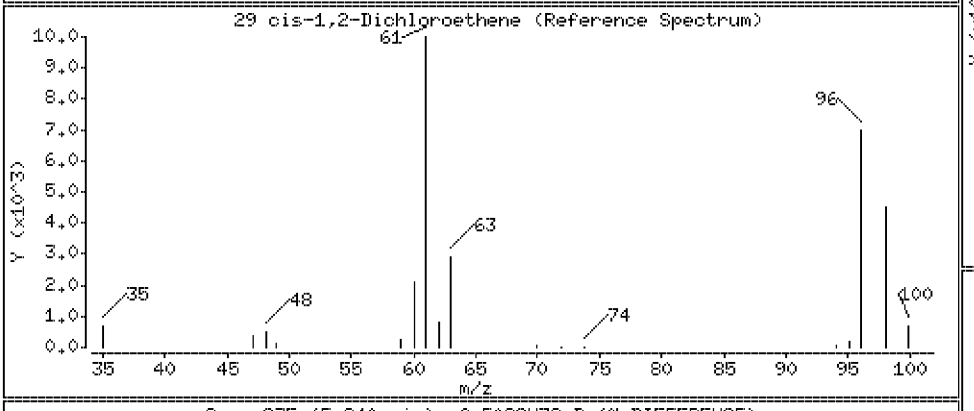
Purge Volume: 5.0 Operator:

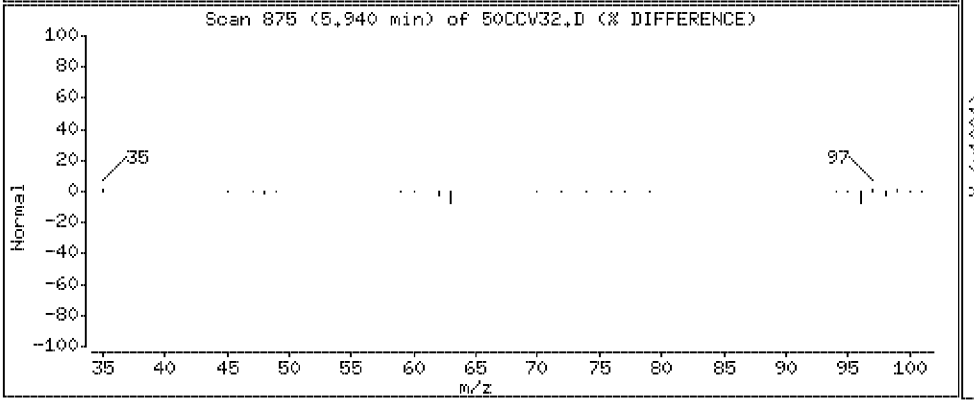
Column phase: DB-624 Column diameter: 0.18

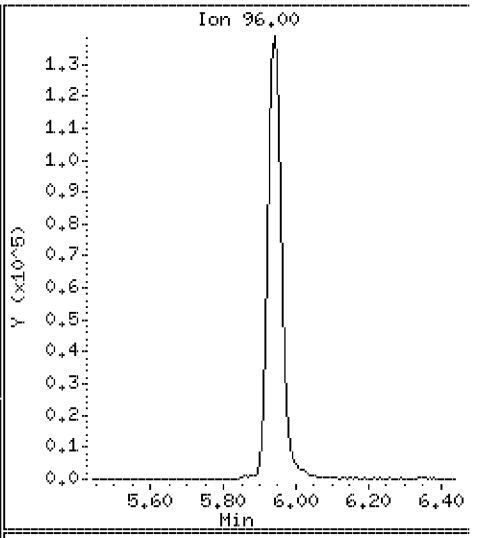
29 cis-1,2-Dichloroethene Concentration: 51.3 ug/l

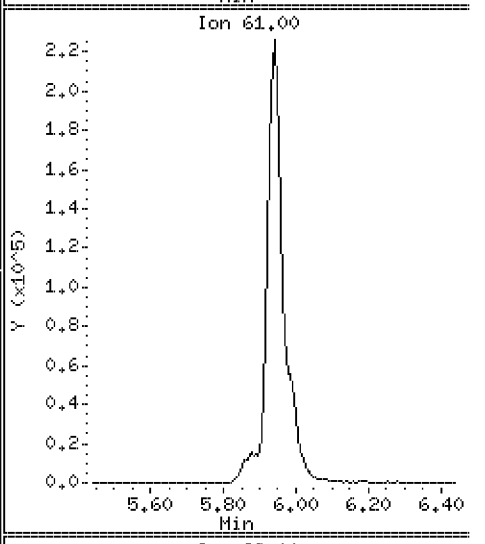


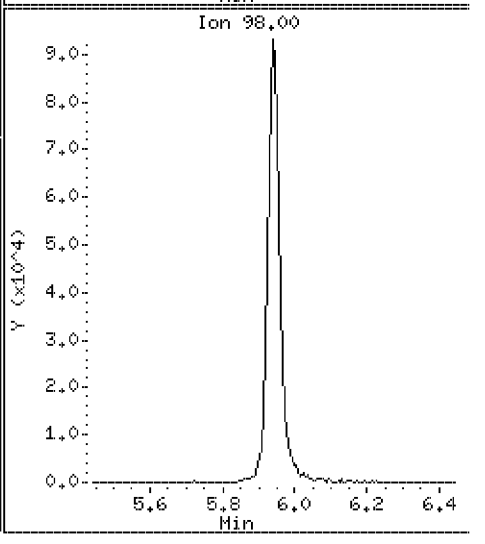












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

Client ID: 061407CCVA32

Instrument: vms03.i

Sample Info: 061407CCV2A32

Purge Volume: 5.0

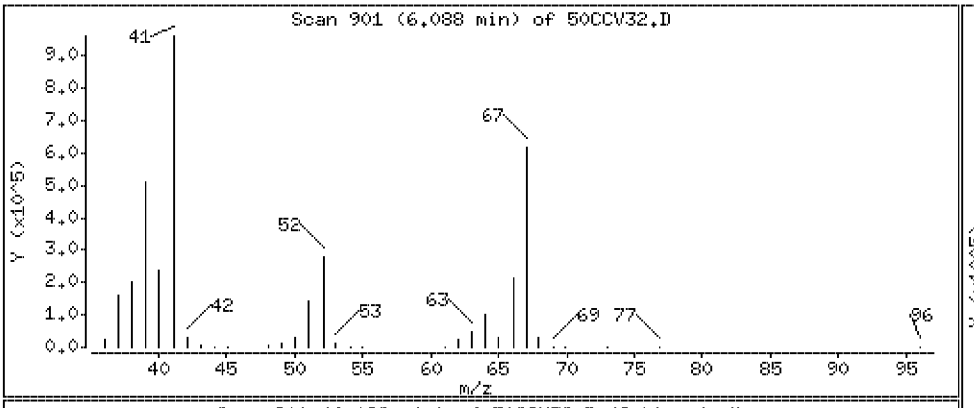
Operator:

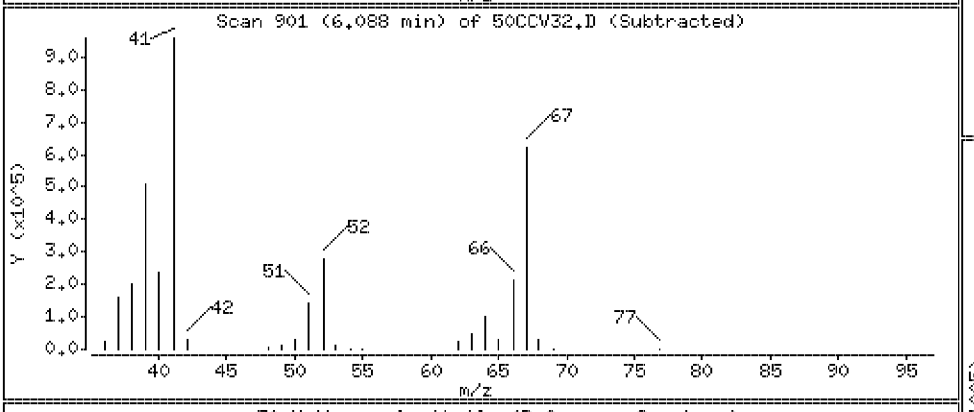
Column phase: DB-624

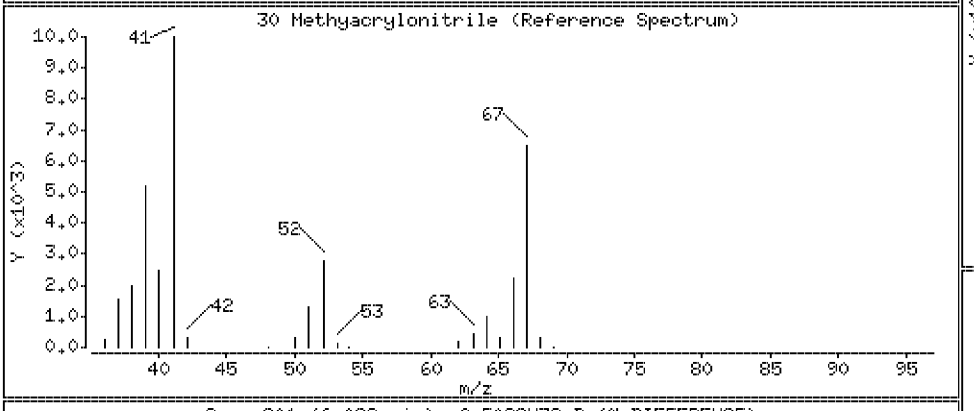
Column diameter: 0.18

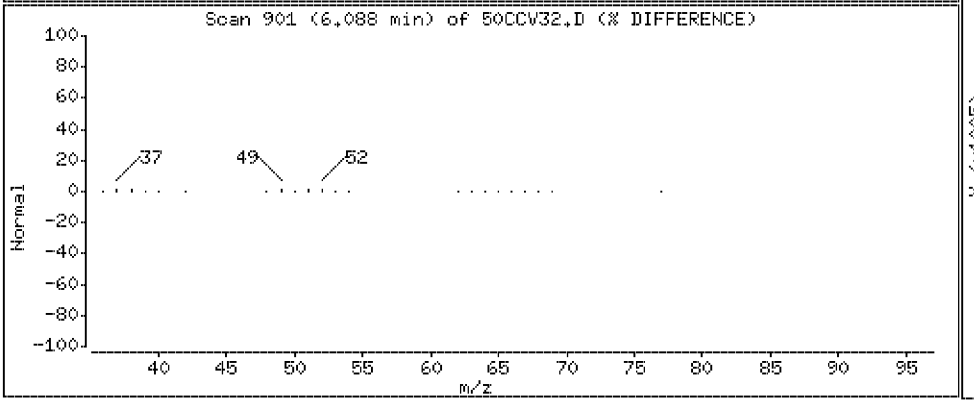
30 Methyacrylonitrile

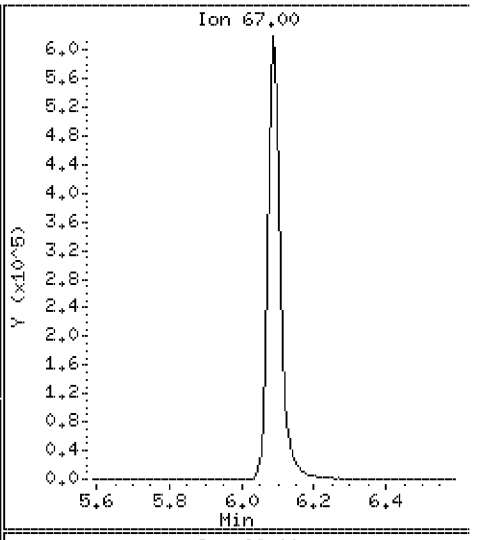
Concentration: 480 ug/l

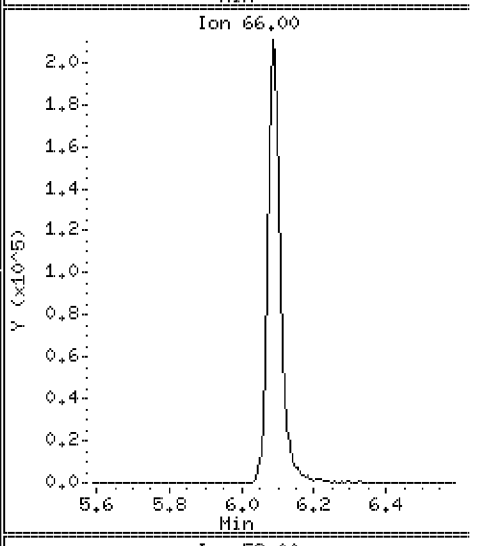


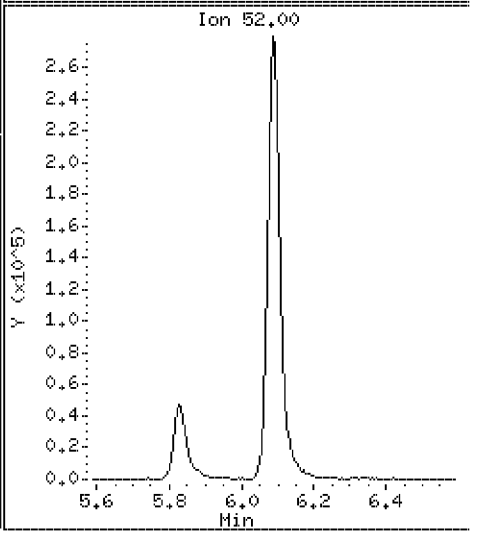












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

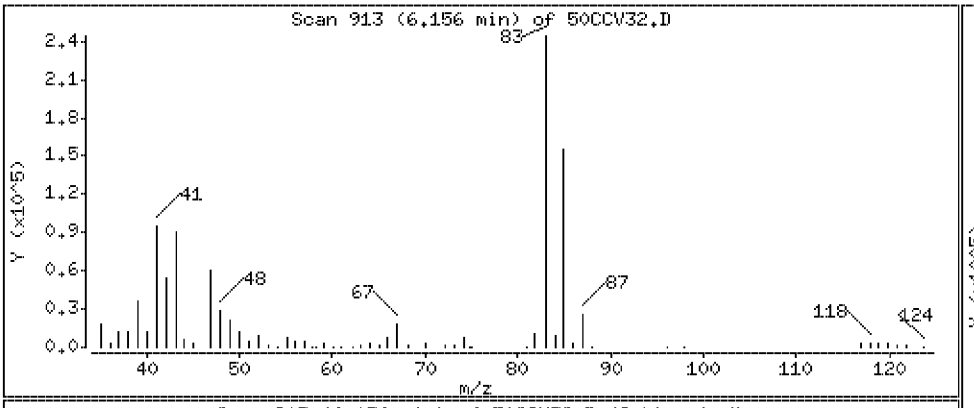
Client ID: 061407CCVA32 Instrument: vms03.i

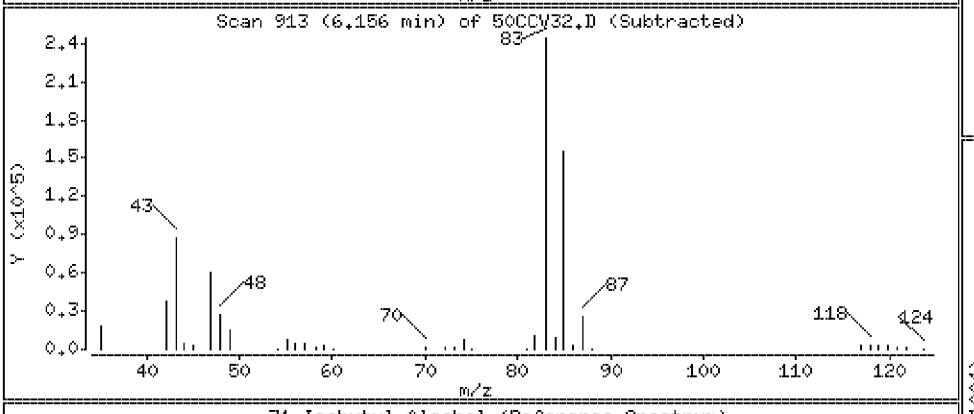
Sample Info: 061407CCV2A32

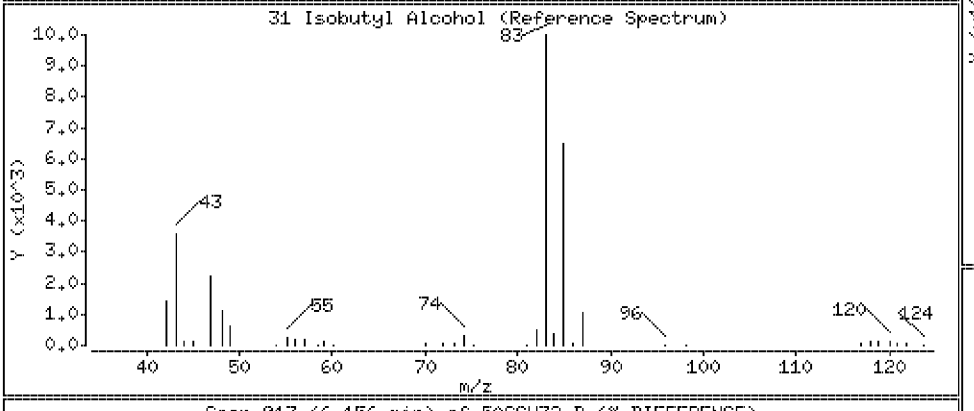
Purge Volume: 5.0 Operator:

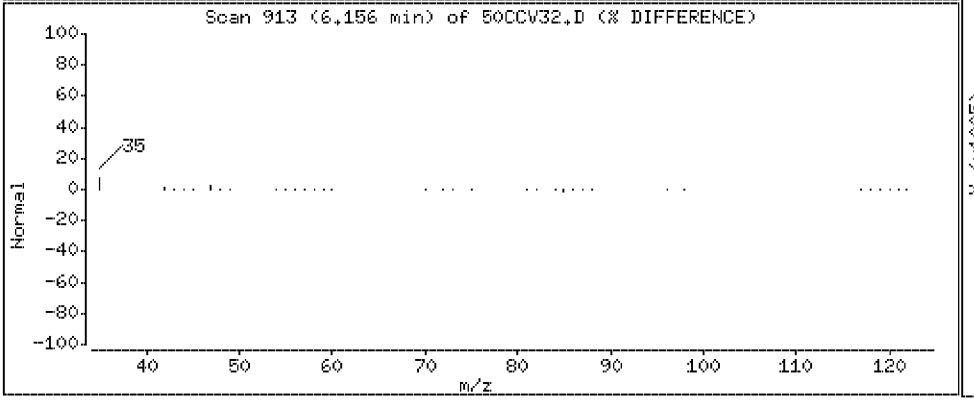
Column phase: DB-624 Column diameter: 0.18

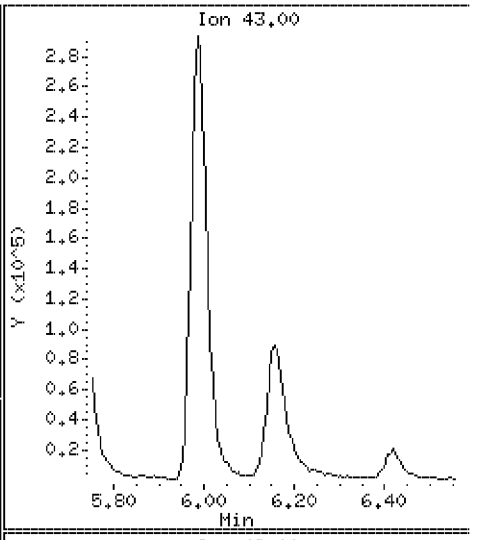
31 Isobutyl Alcohol Concentration: 894 ug/l

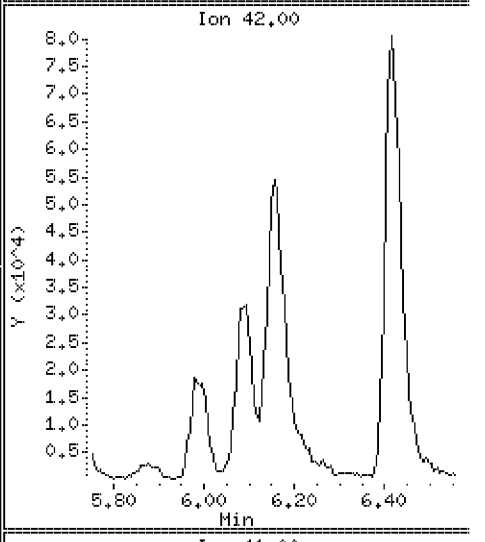


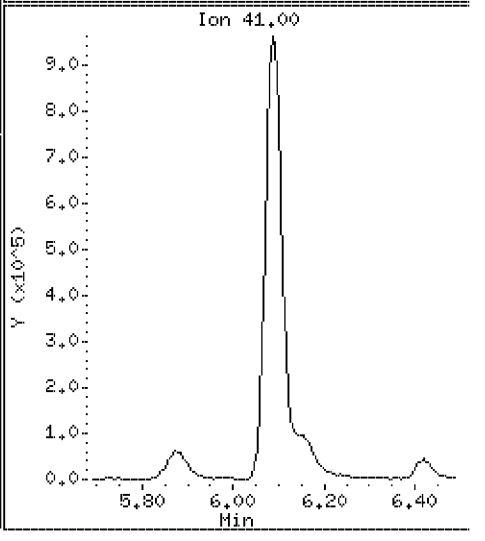












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

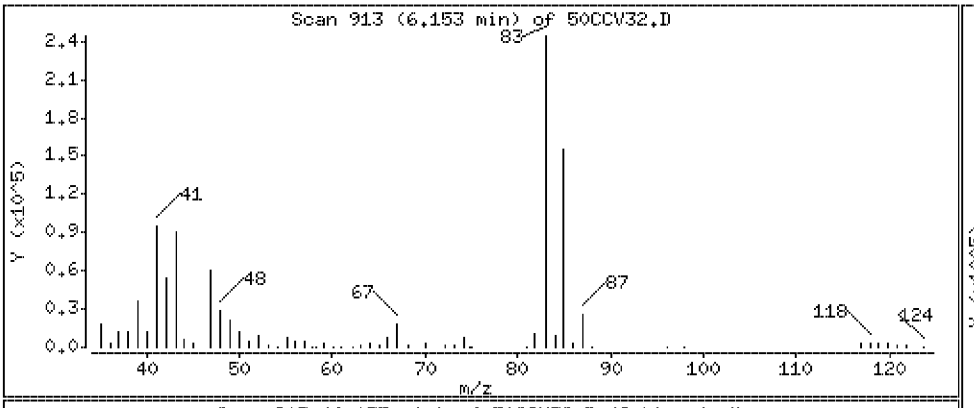
Client ID: 061407CCVA32 Instrument: vms03.i

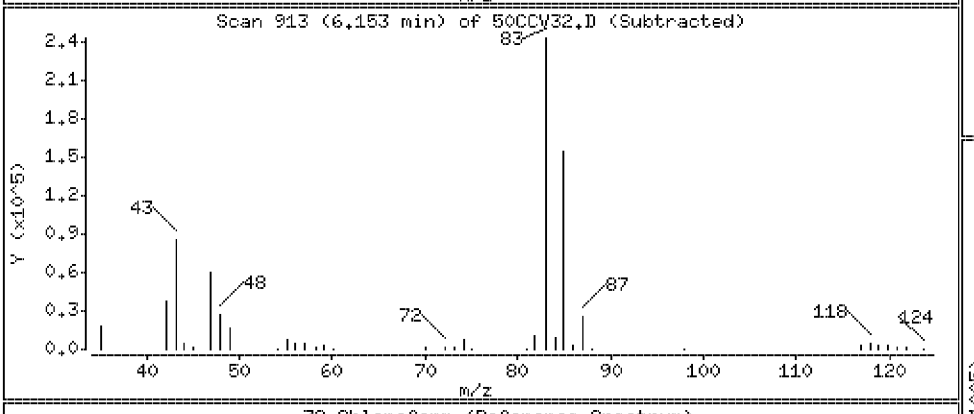
Sample Info: 061407CCV2A32

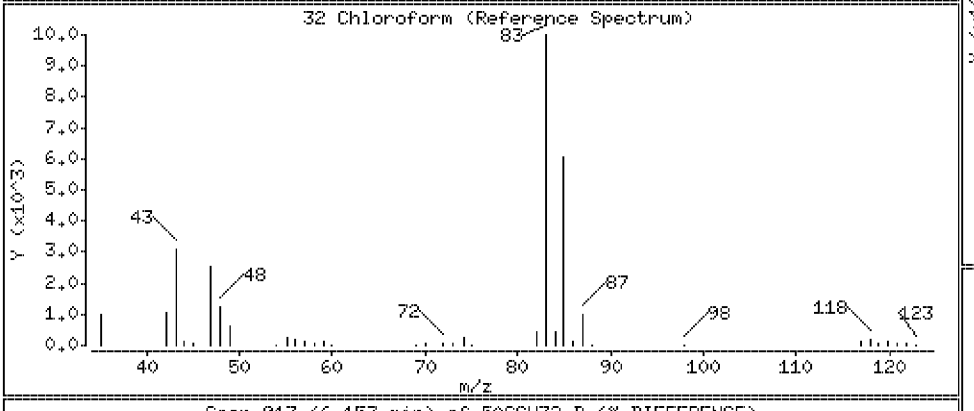
Purge Volume: 5.0 Operator:

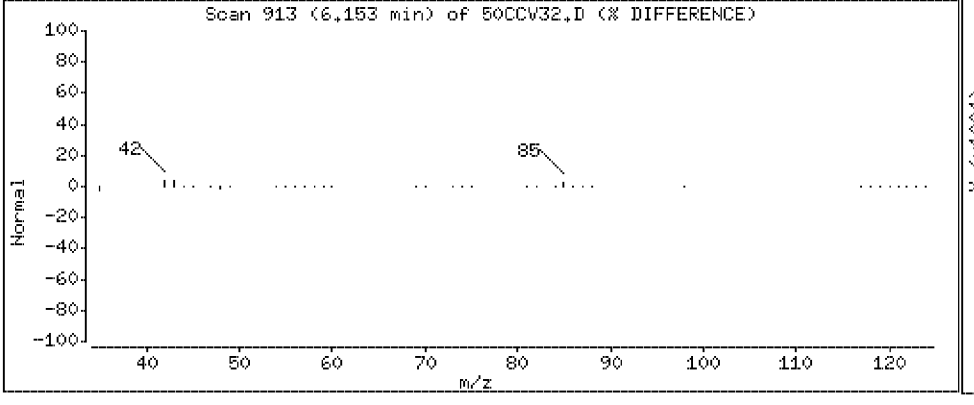
Column phase: DB-624 Column diameter: 0.18

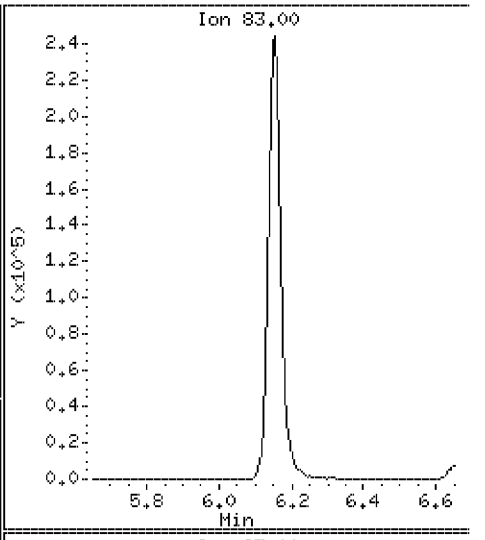
32 Chloroform Concentration: 47.8 ug/l

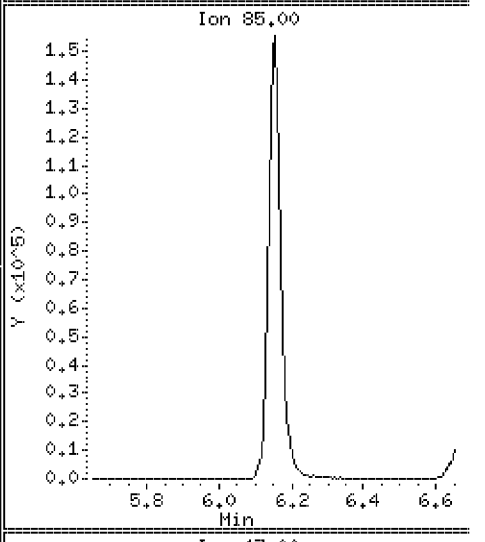


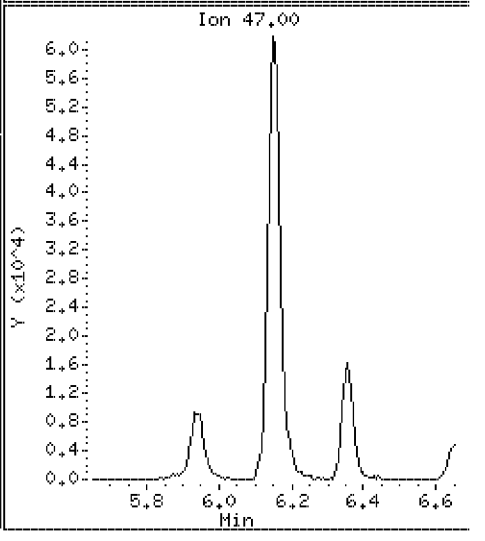












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

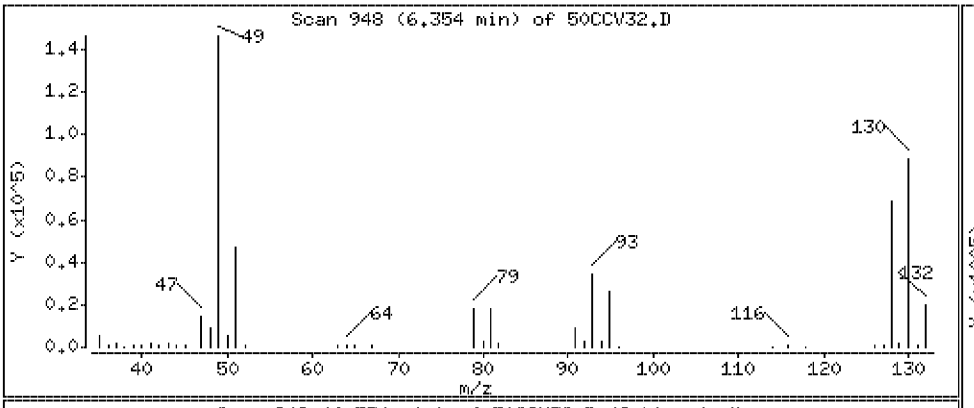
Client ID: 061407CCVA32 Instrument: vms03.i

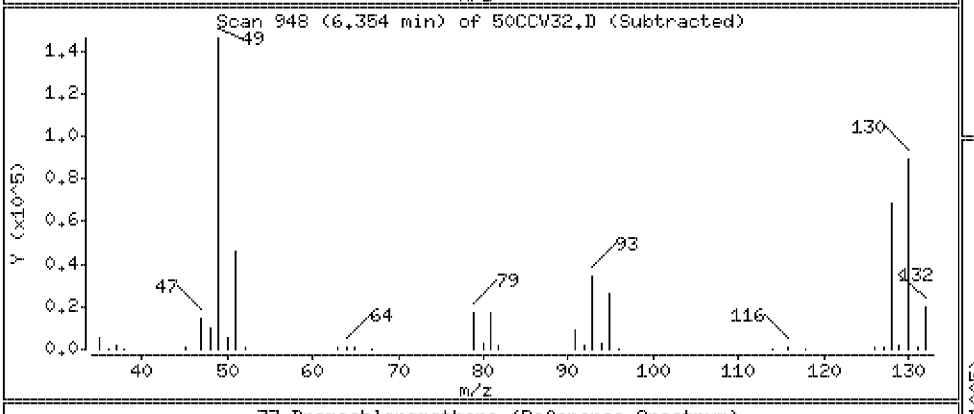
Sample Info: 061407CCV2A32

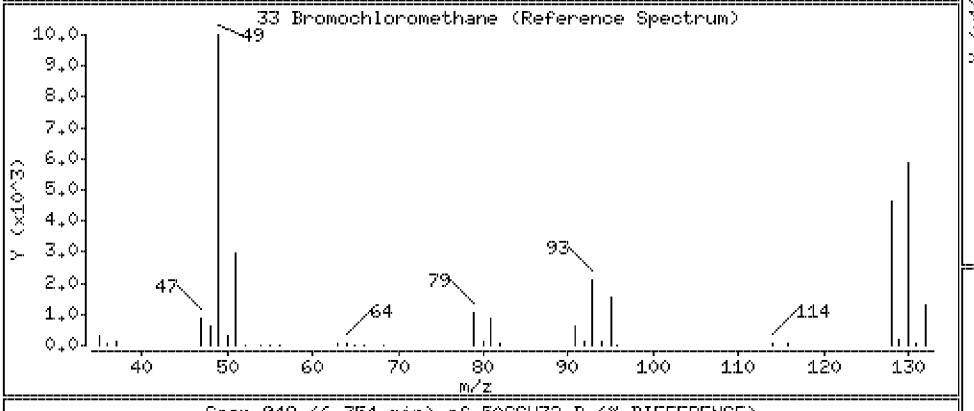
Purge Volume: 5.0 Operator:

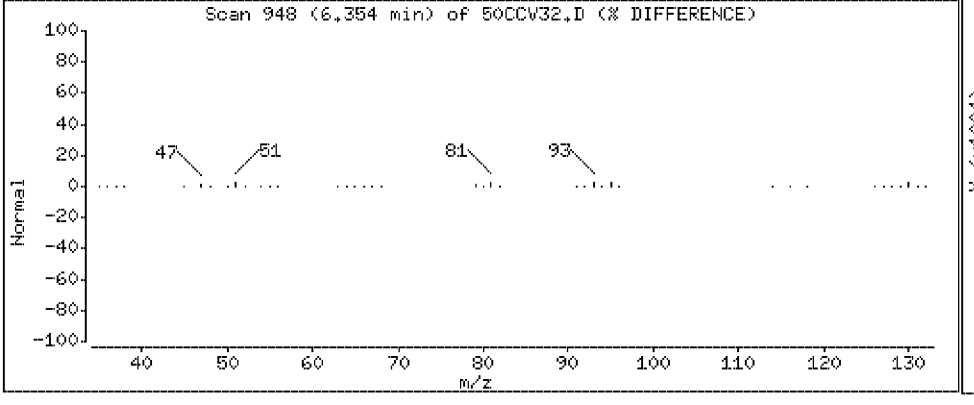
Column phase: DB-624 Column diameter: 0.18

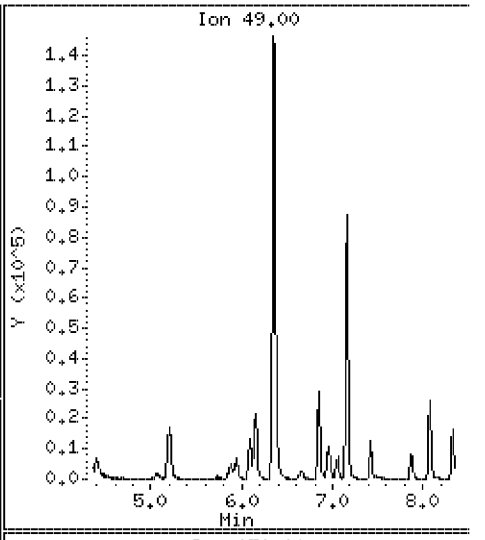
33 Bromochloromethane Concentration: 52.4 ug/l

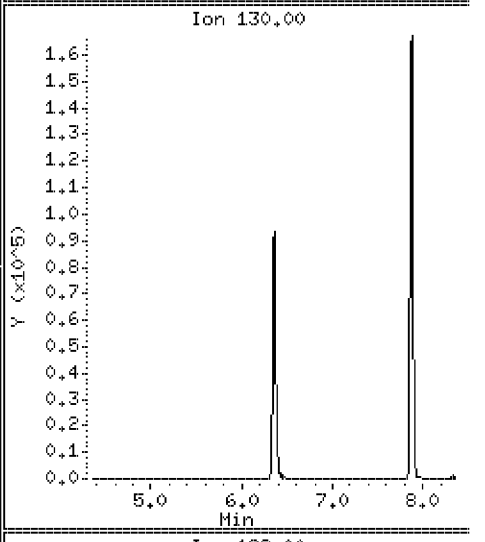


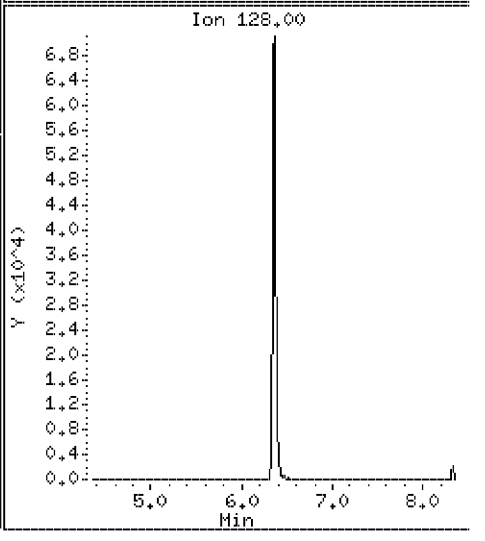












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

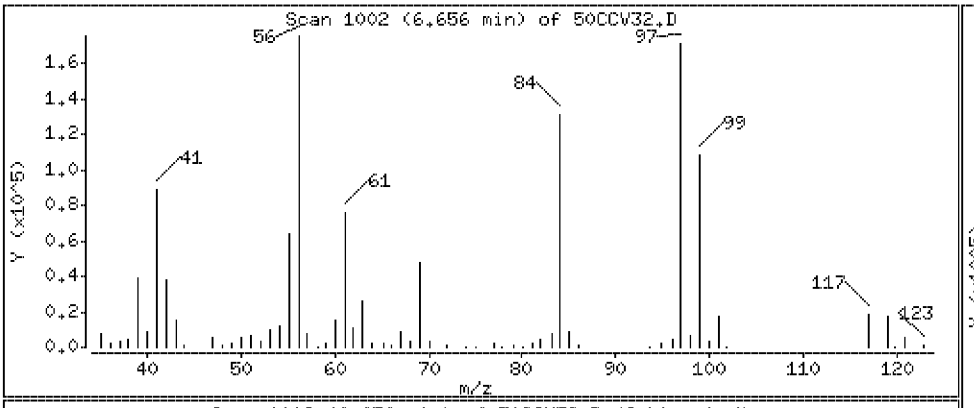
Client ID: 061407CCVA32 Instrument: vms03.i

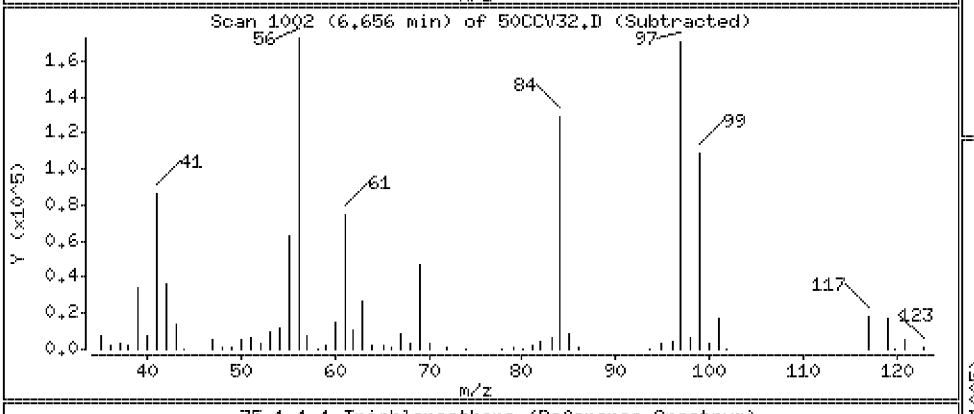
Sample Info: 061407CCV2A32

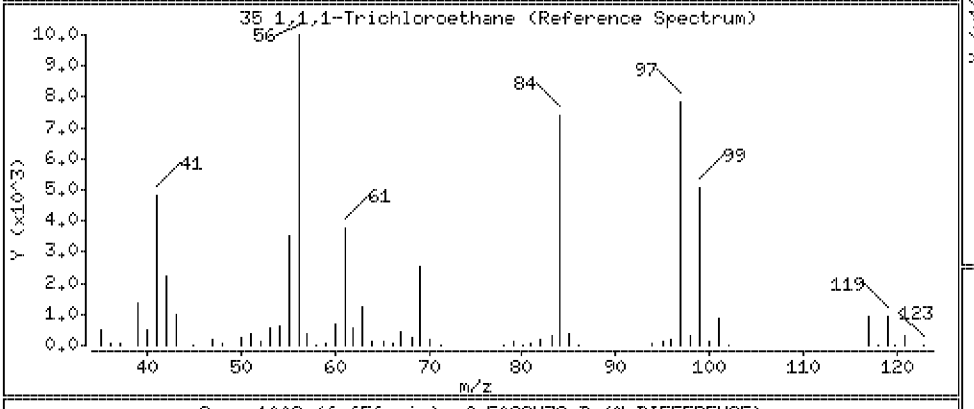
Purge Volume: 5.0 Operator:

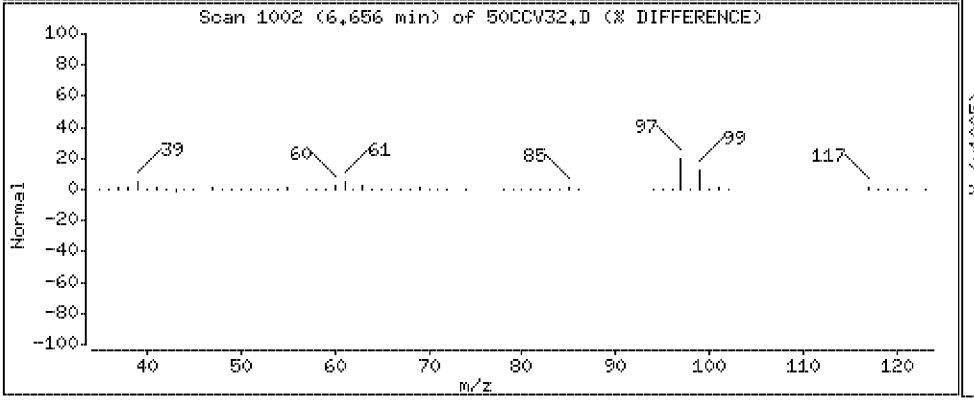
Column phase: DB-624 Column diameter: 0.18

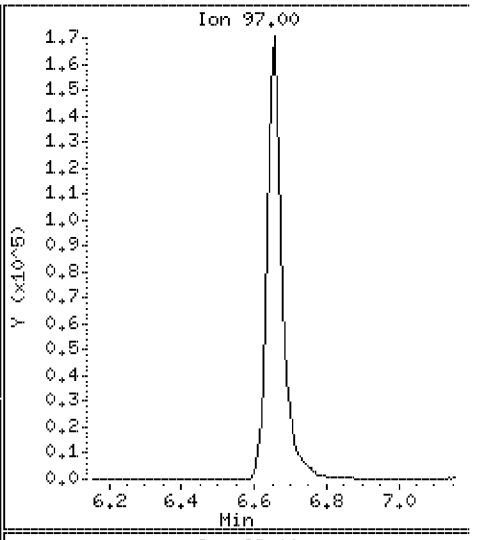
35 1,1,1-Trichloroethane Concentration: 50.0 ug/l

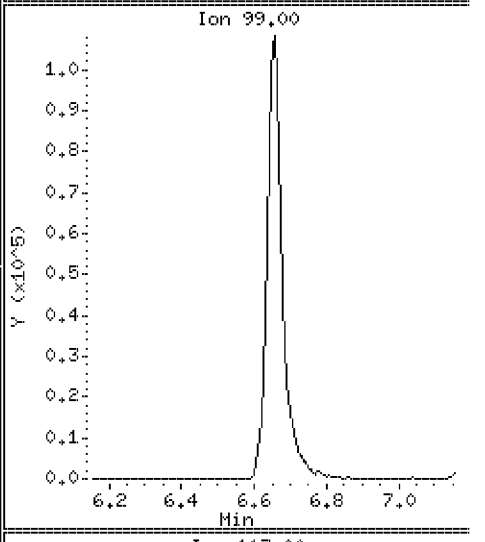


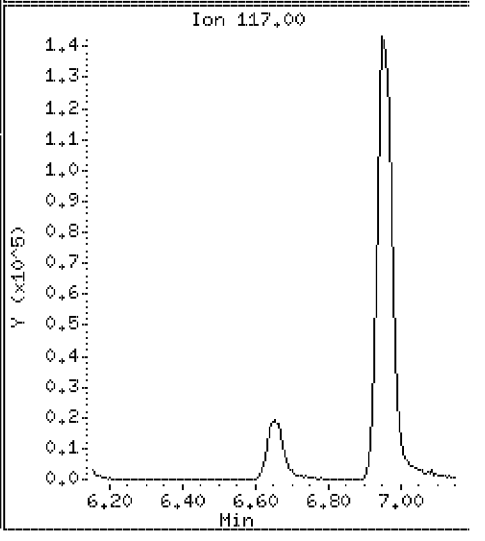












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

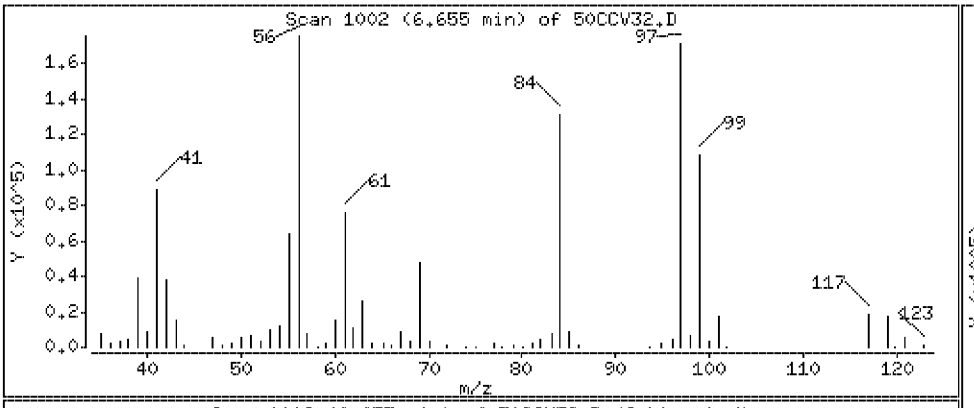
Client ID: 061407CCVA32 Instrument: vms03.i

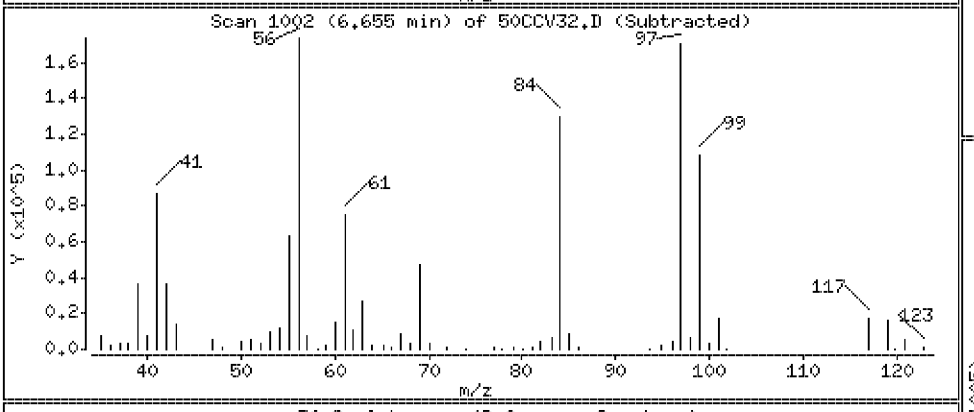
Sample Info: 061407CCV2A32

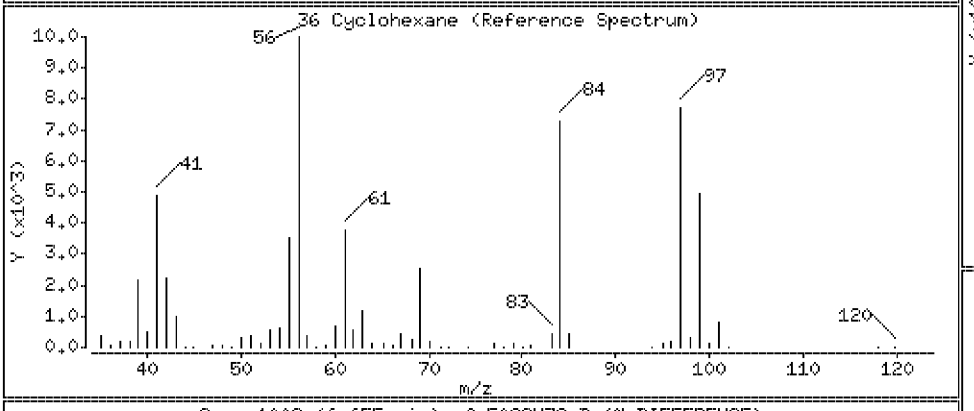
Purge Volume: 5.0 Operator:

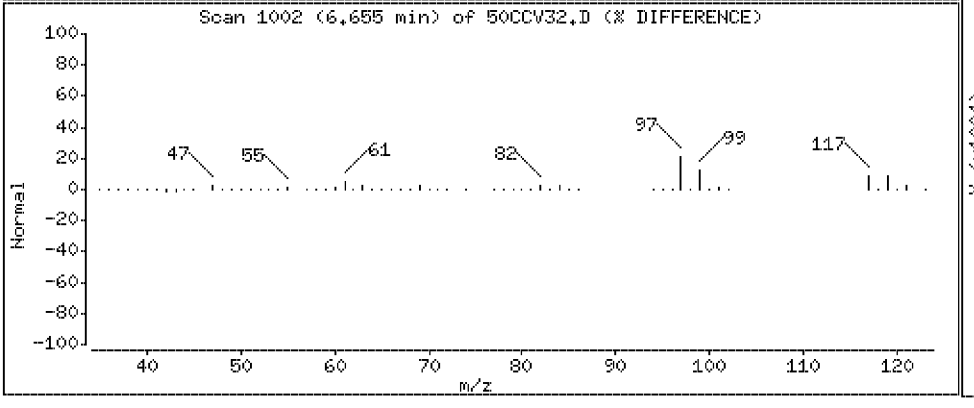
Column phase: DB-624 Column diameter: 0.18

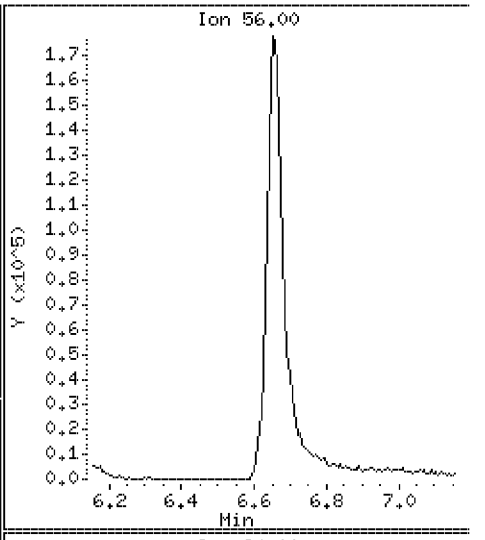
36 Cyclohexane Concentration: 53.1 ug/l

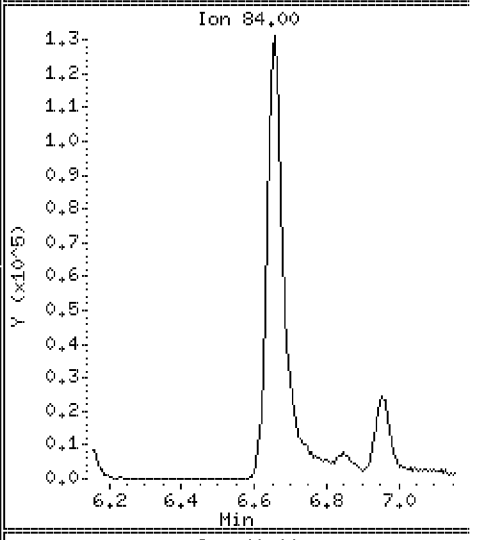


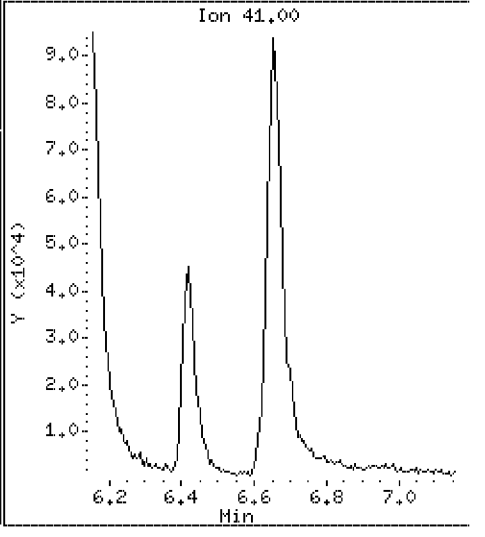












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

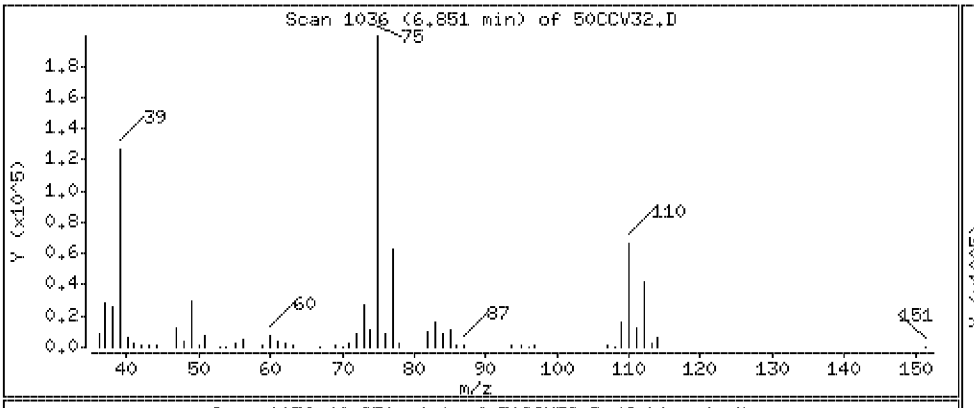
Client ID: 061407CCVA32 Instrument: vms03.i

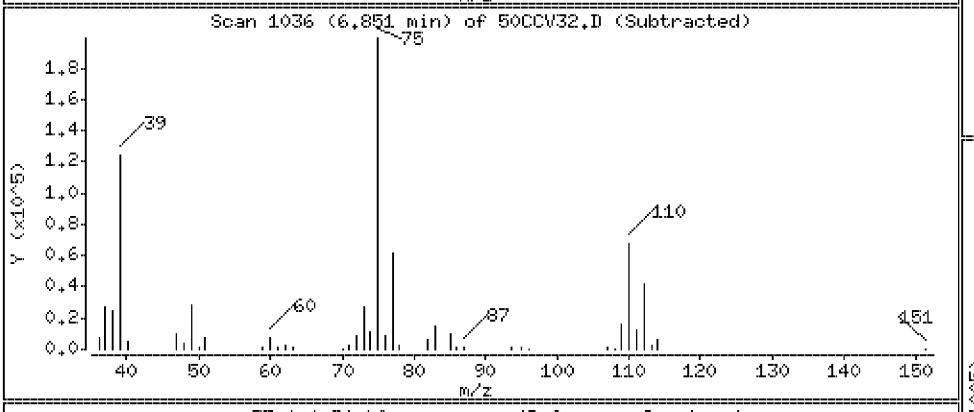
Sample Info: 061407CCV2A32

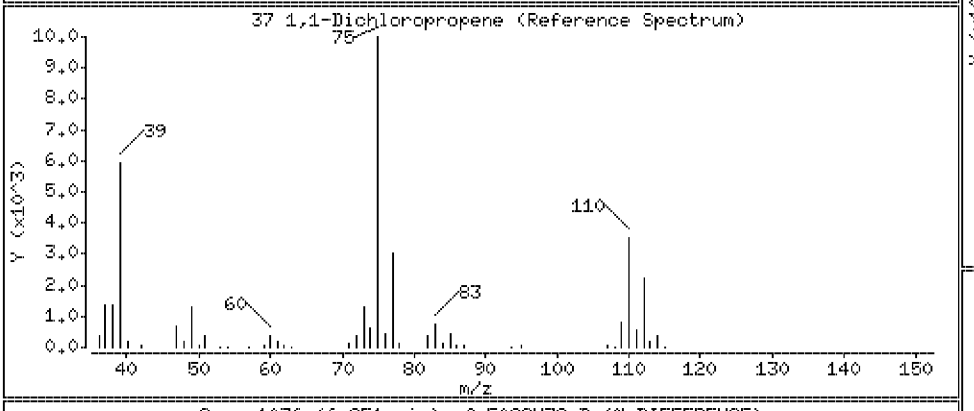
Purge Volume: 5.0 Operator:

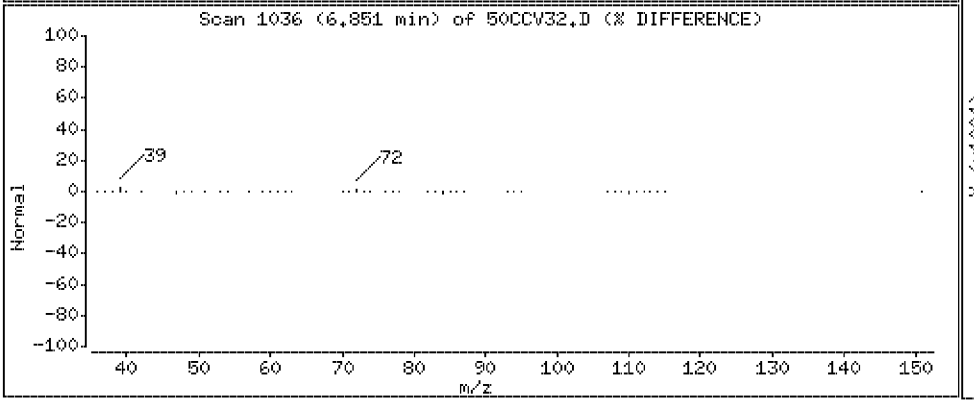
Column phase: DB-624 Column diameter: 0.18

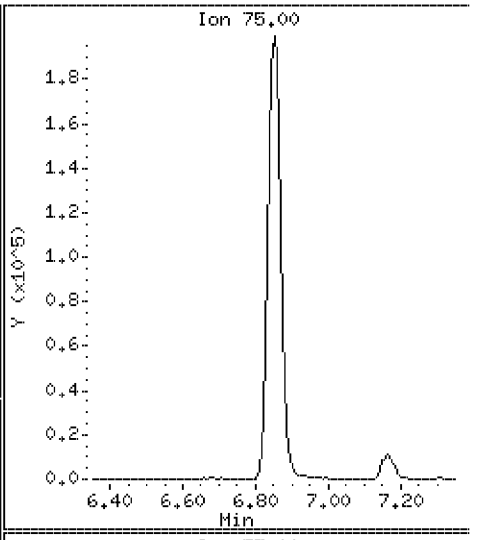
37 1,1-Dichloropropene Concentration: 51.8 ug/l

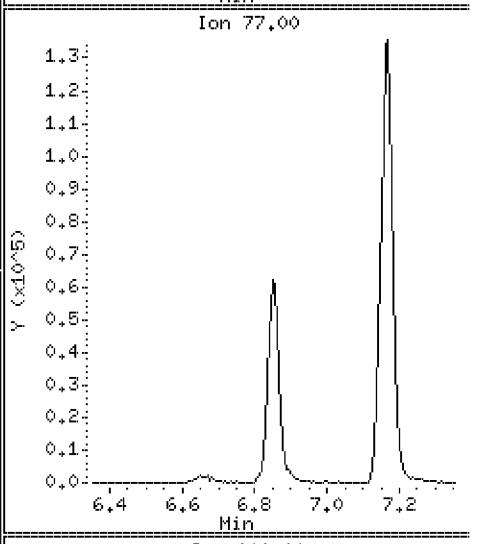


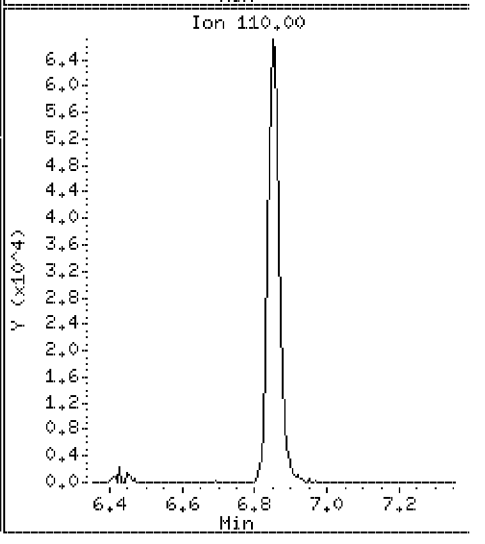












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

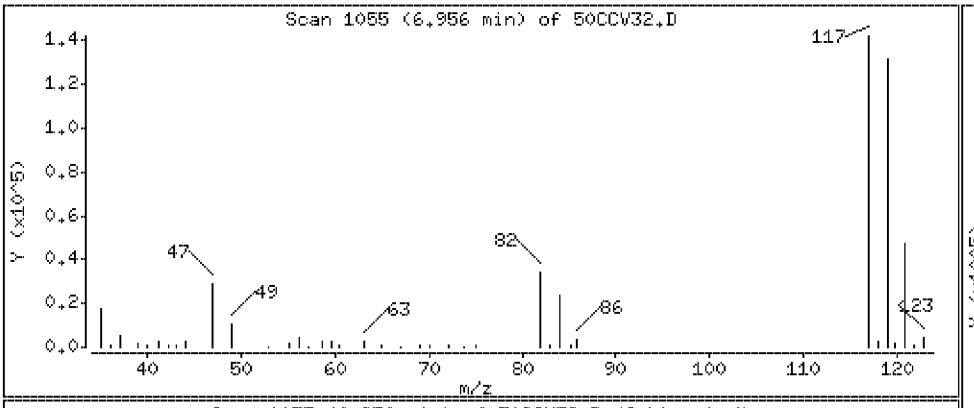
Client ID: 061407CCVA32 Instrument: vms03.i

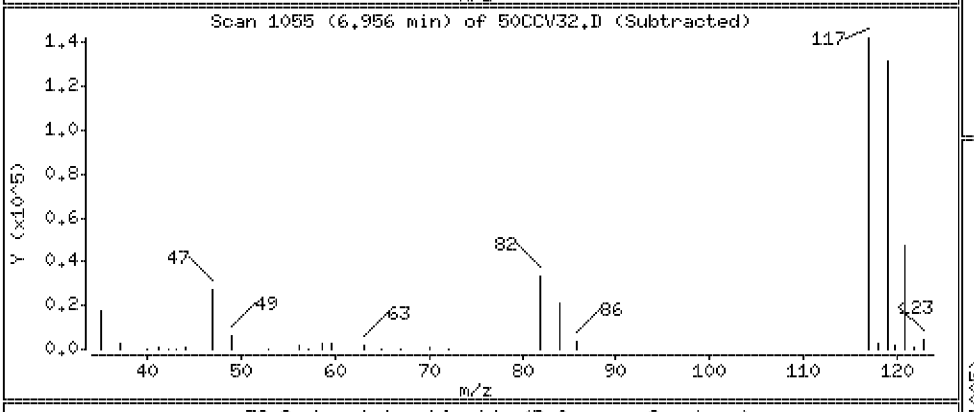
Sample Info: 061407CCV2A32

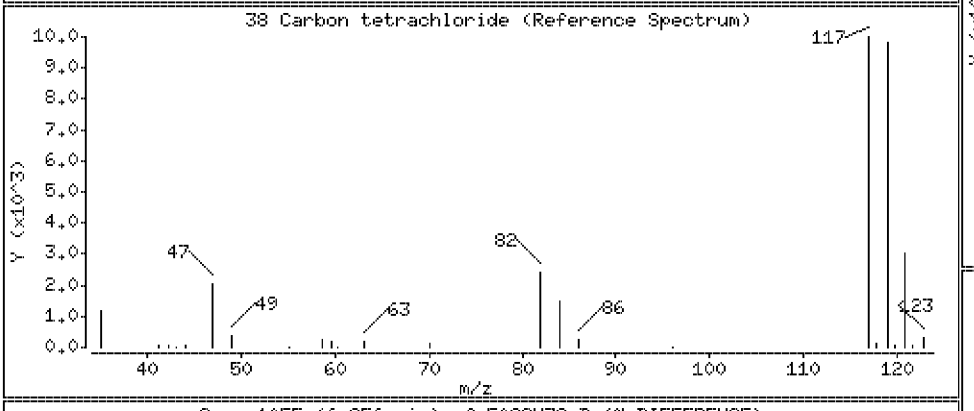
Purge Volume: 5.0 Operator:

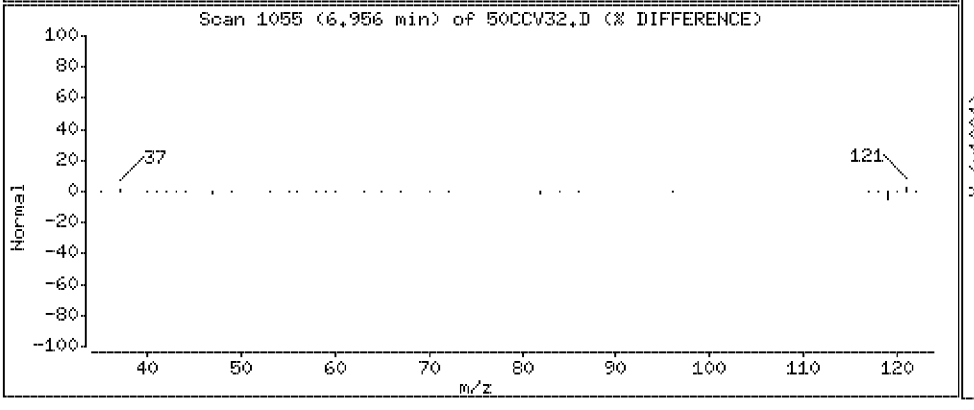
Column phase: DB-624 Column diameter: 0.18

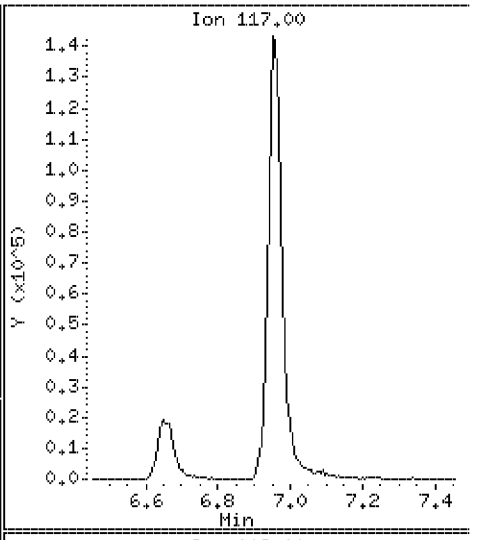
38 Carbon tetrachloride Concentration: 57.5 ug/l

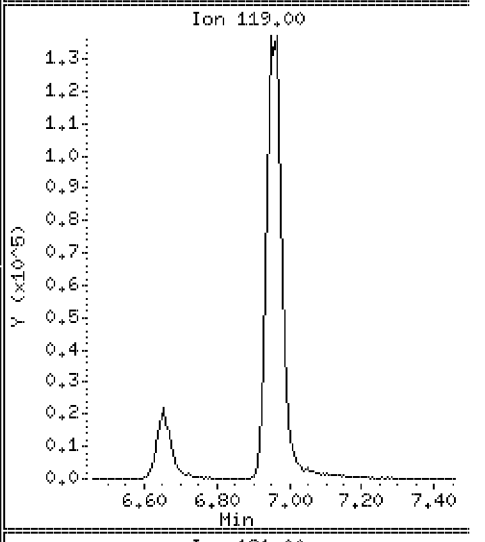


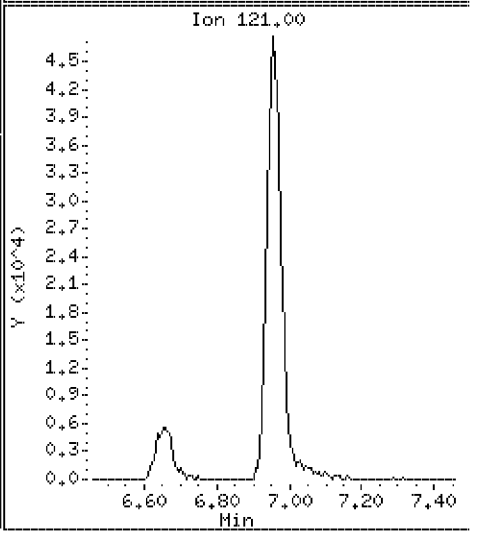












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

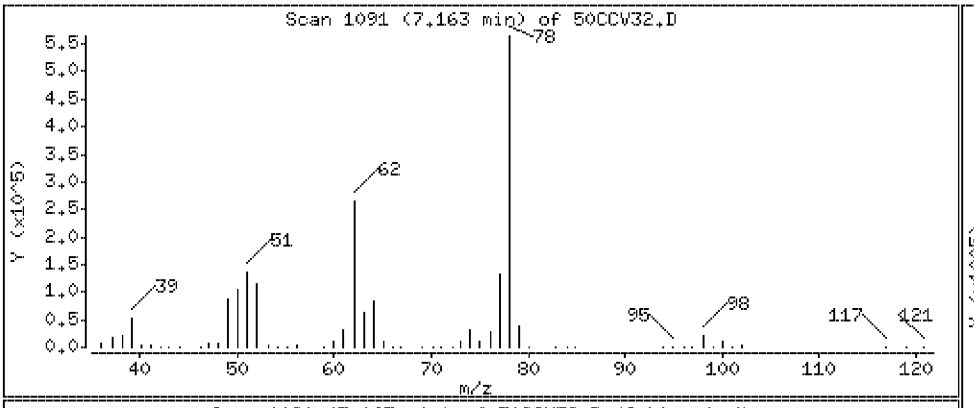
Client ID: 061407CCVA32 Instrument: vms03.i

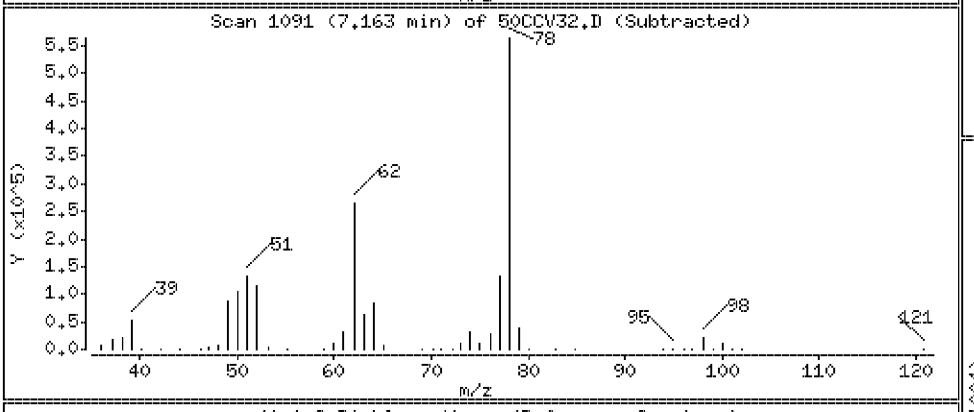
Sample Info: 061407CCV2A32

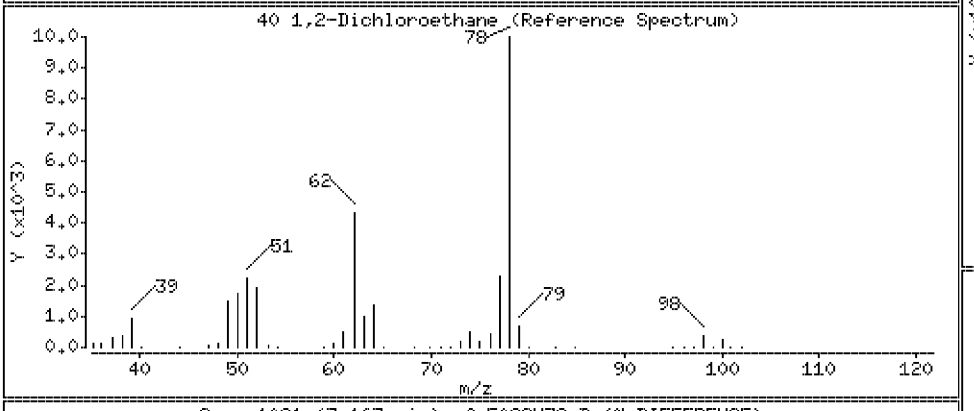
Purge Volume: 5.0 Operator:

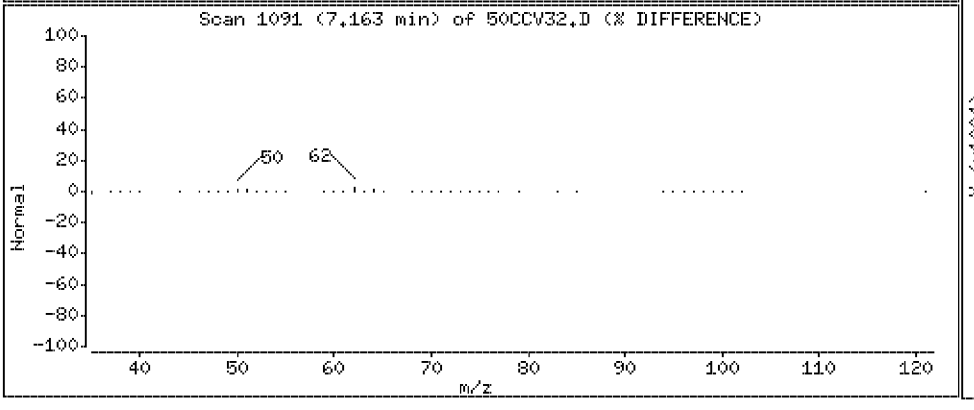
Column phase: DB-624 Column diameter: 0.18

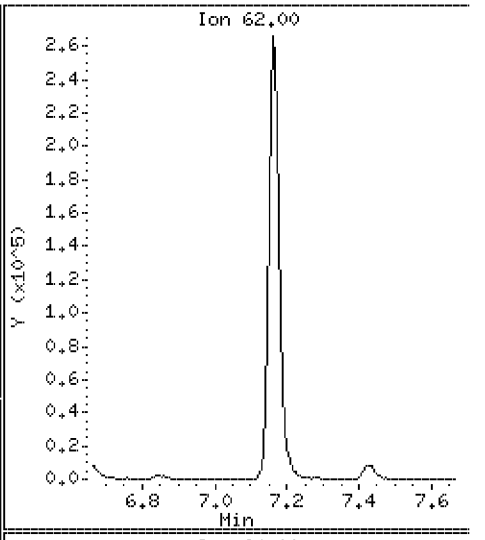
40 1,2-Dichloroethane Concentration: 46.9 ug/l

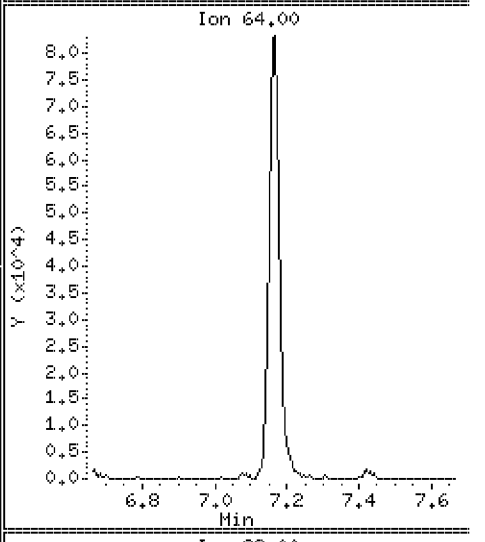


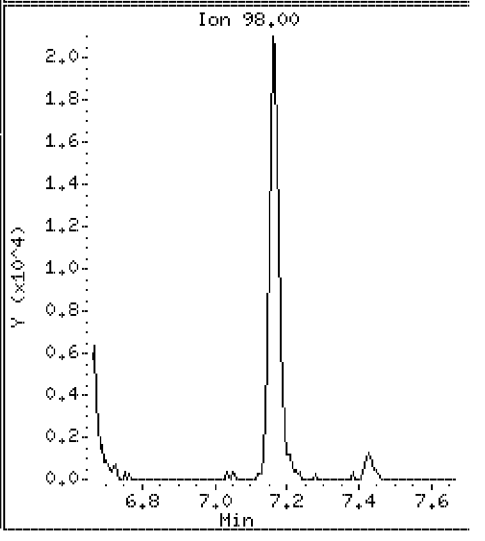












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

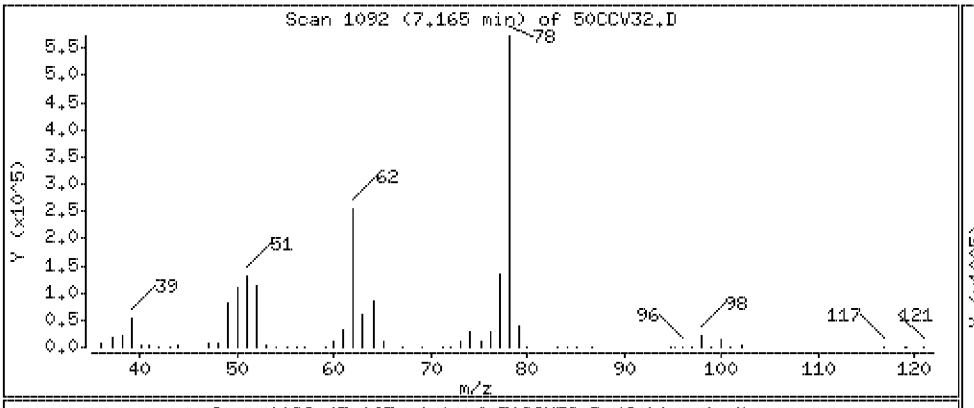
Client ID: 061407CCVA32 Instrument: vms03.i

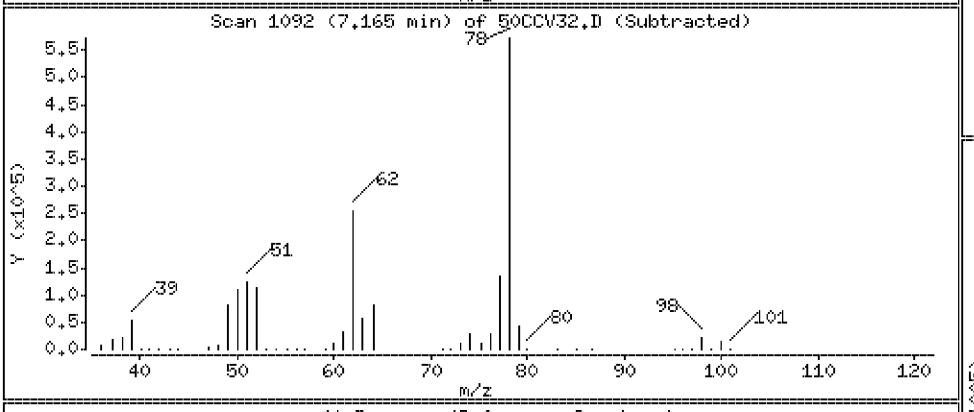
Sample Info: 061407CCV2A32

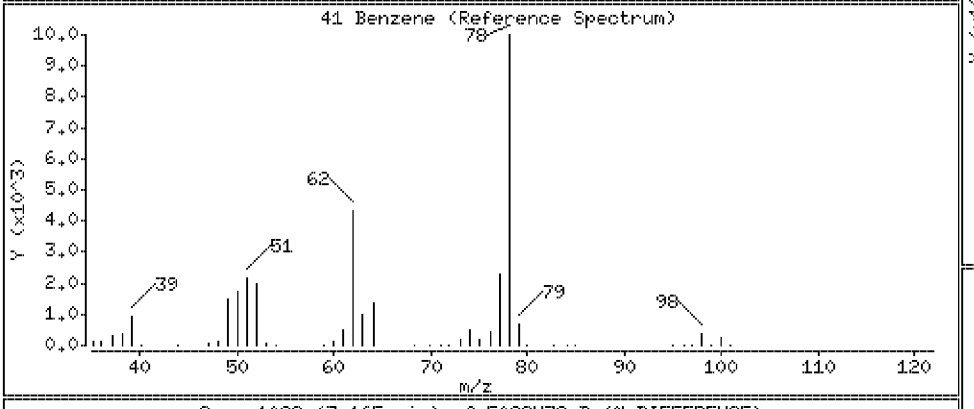
Purge Volume: 5.0 Operator:

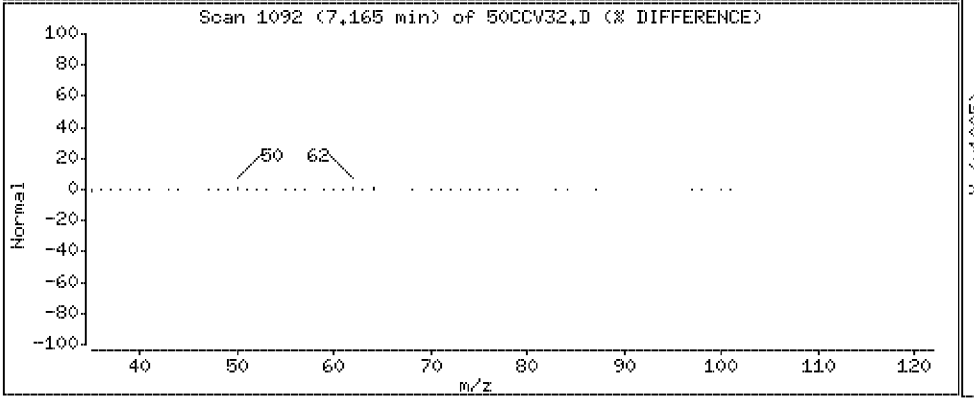
Column phase: DB-624 Column diameter: 0.18

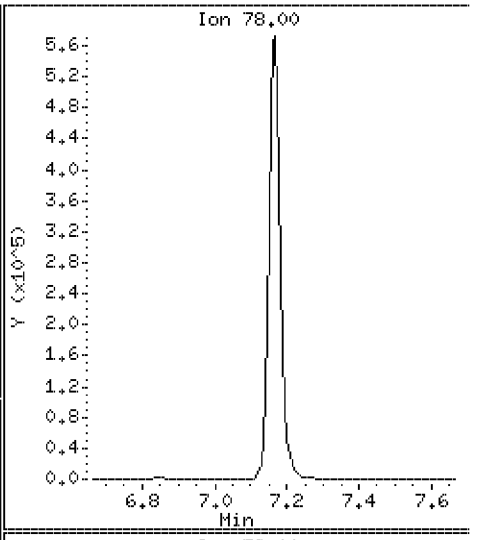
41 Benzene Concentration: 51.3 ug/l

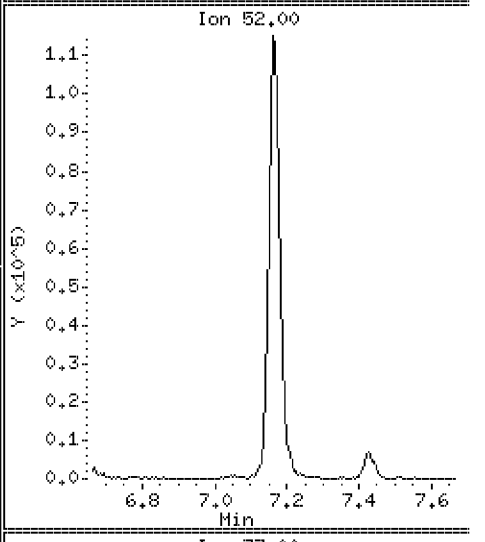


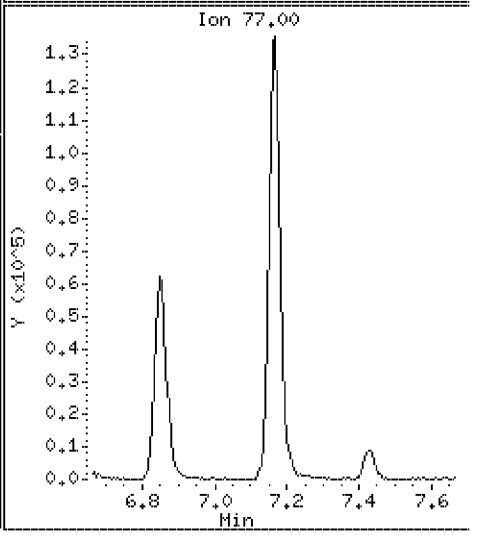












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

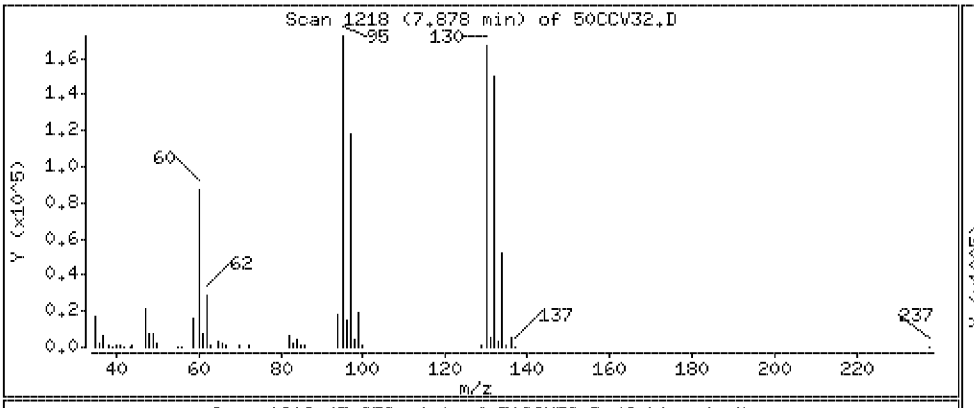
Client ID: 061407CCVA32 Instrument: vms03.i

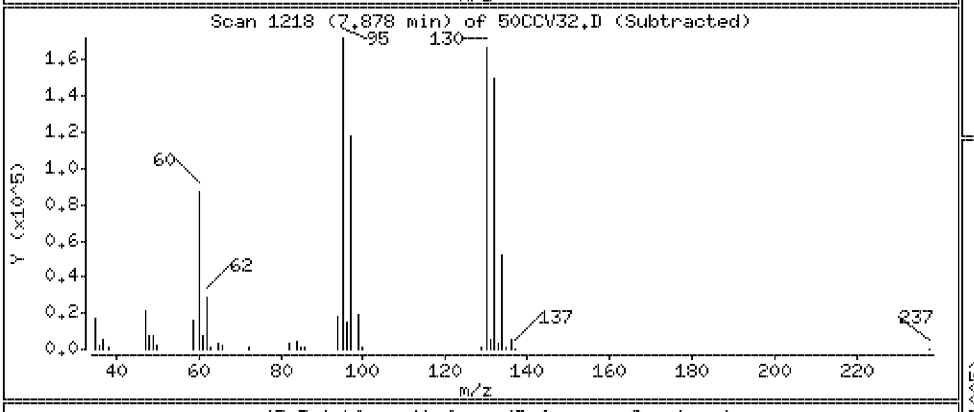
Sample Info: 061407CCV2A32

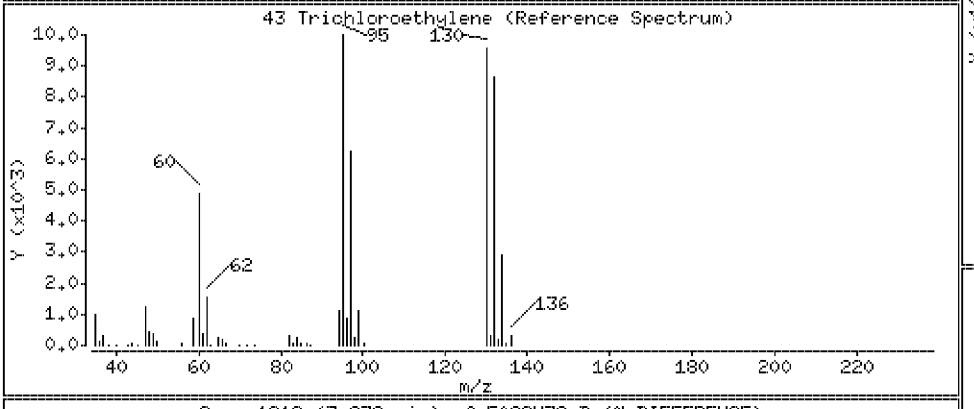
Purge Volume: 5.0 Operator:

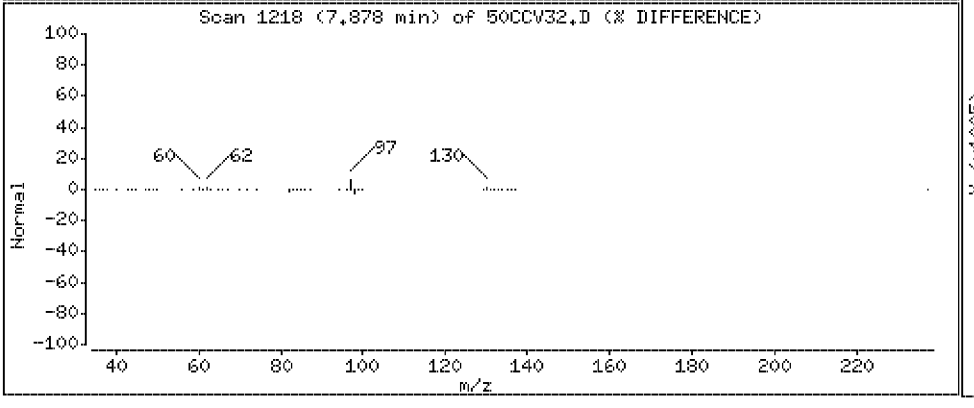
Column phase: DB-624 Column diameter: 0.18

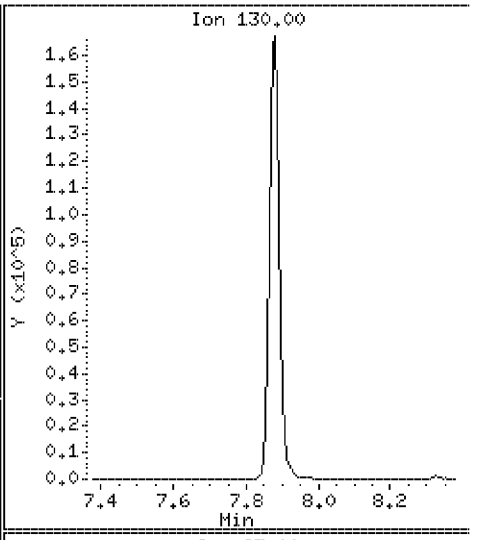
43 Trichloroethylene Concentration: 49.9 ug/l

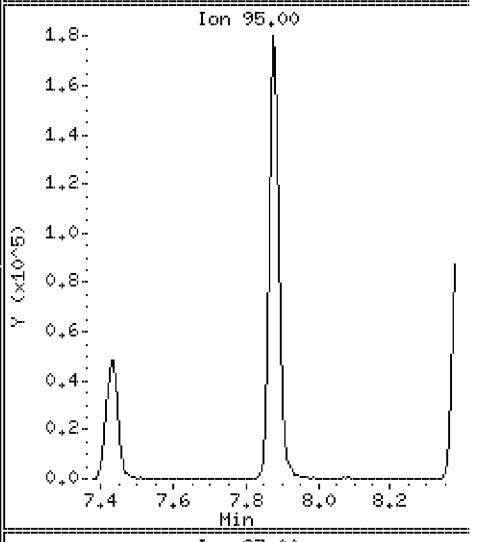


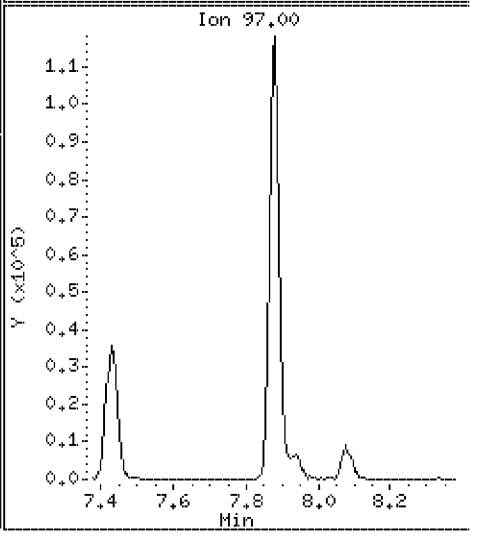












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

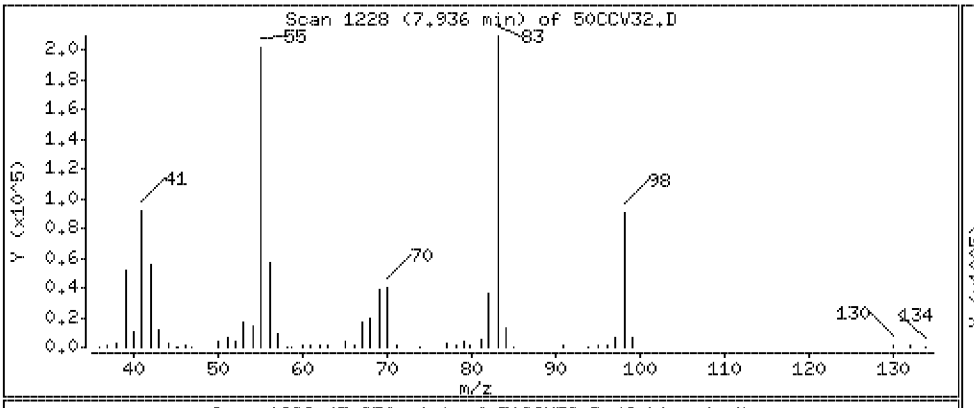
Client ID: 061407CCVA32 | Instrument: vms03.i

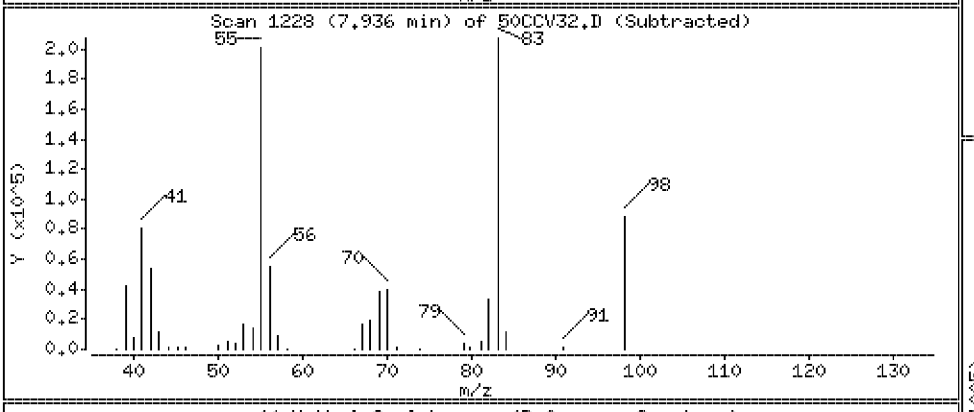
Sample Info: 061407CCV2A32

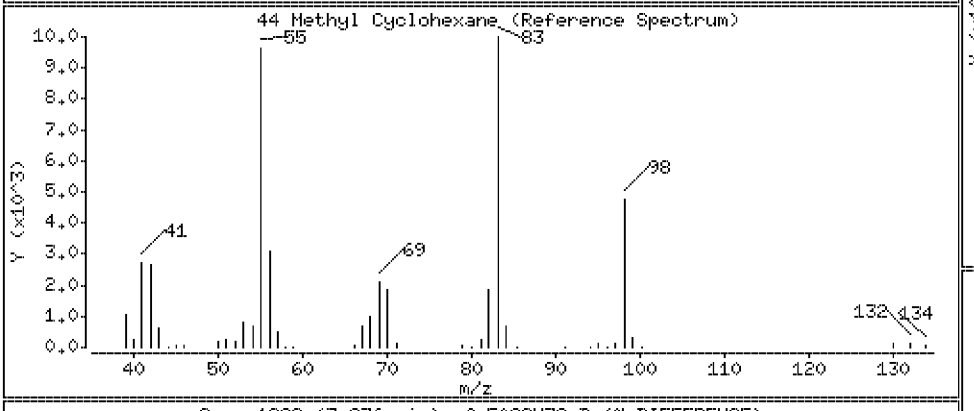
Purge Volume: 5.0 | Operator:

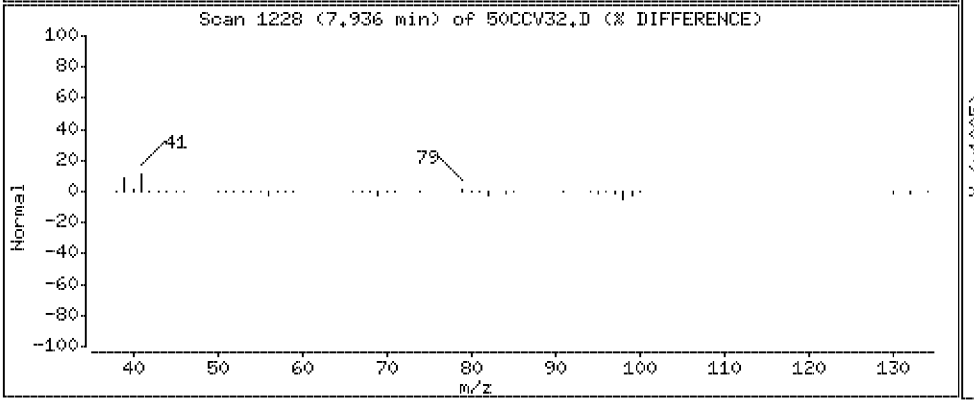
Column phase: DB-624 | Column diameter: 0.18

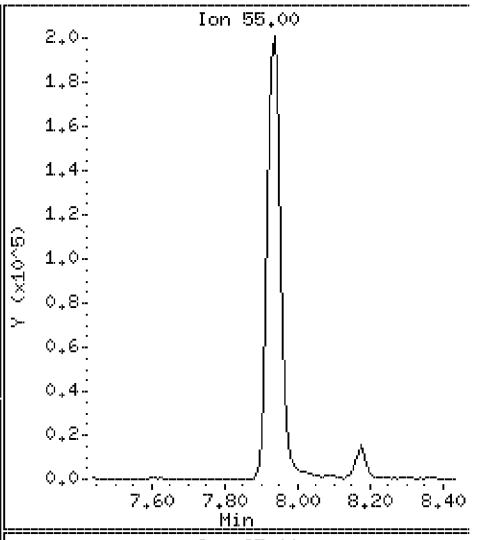
44 Methyl Cyclohexane | Concentration: 55.8 ug/l

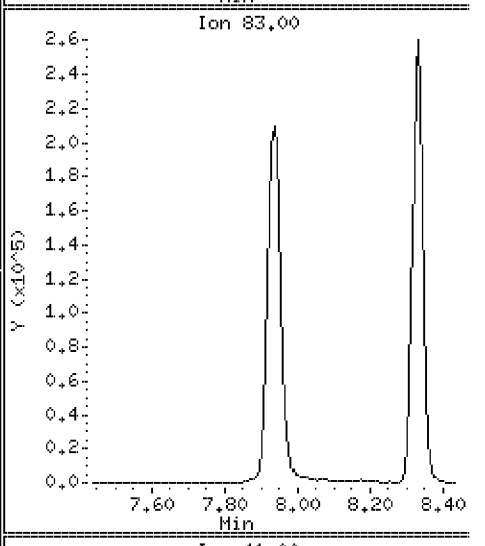


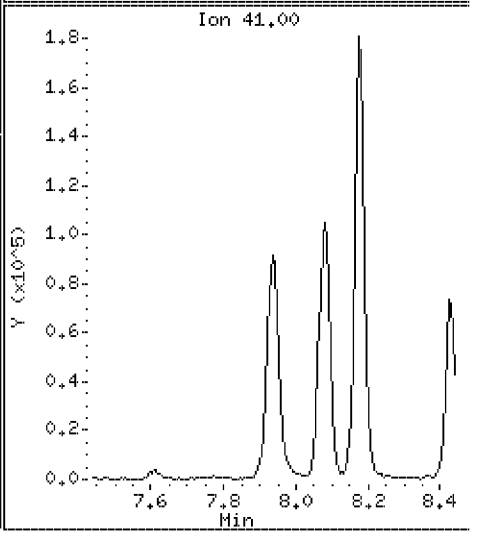












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

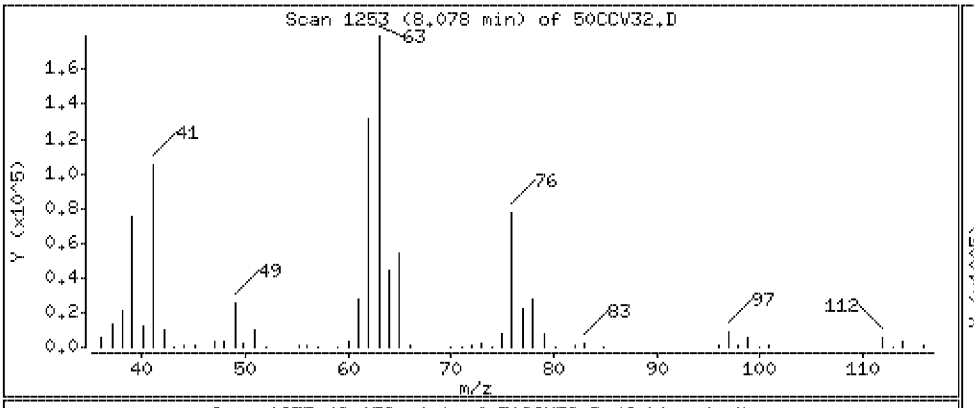
Client ID: 061407CCVA32 Instrument: vms03.i

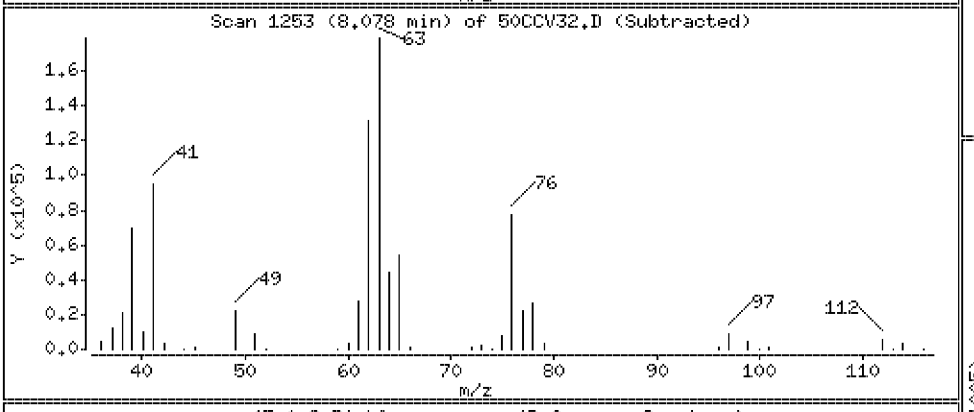
Sample Info: 061407CCV2A32

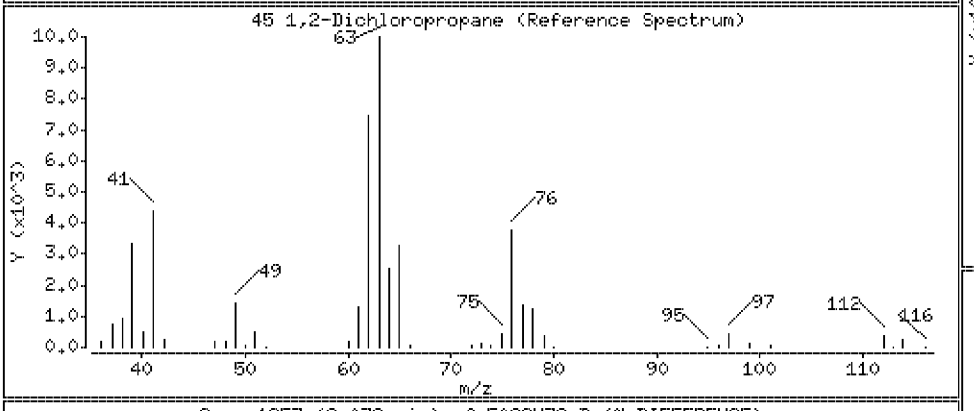
Purge Volume: 5.0 Operator:

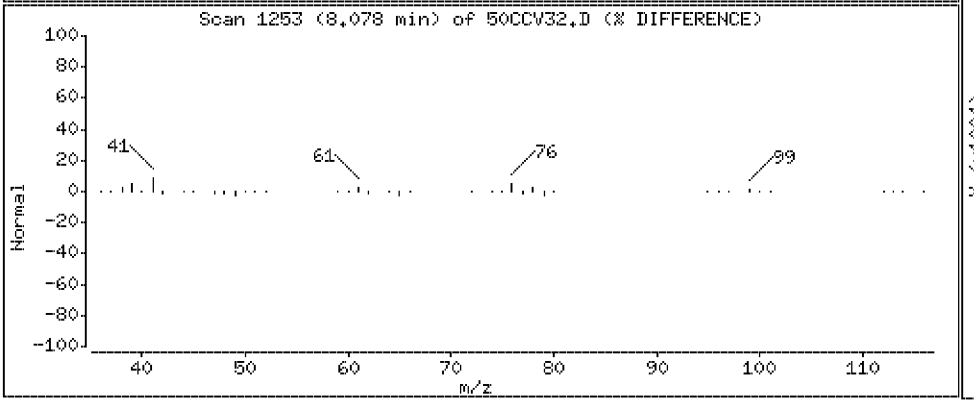
Column phase: DB-624 Column diameter: 0.18

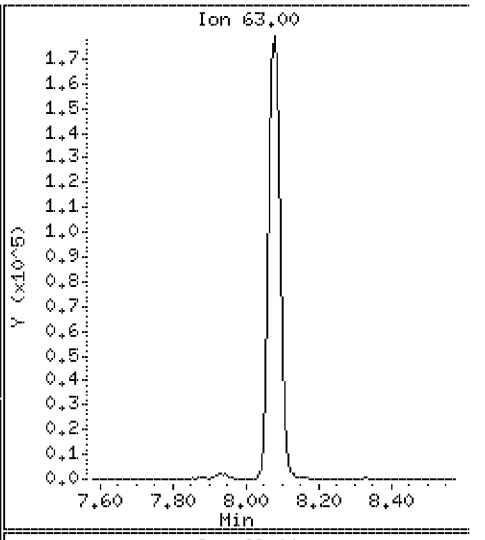
45 1,2-Dichloropropane Concentration: 51.7 ug/l

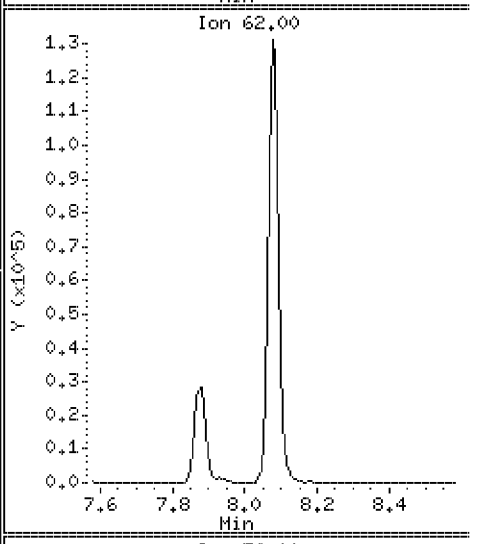


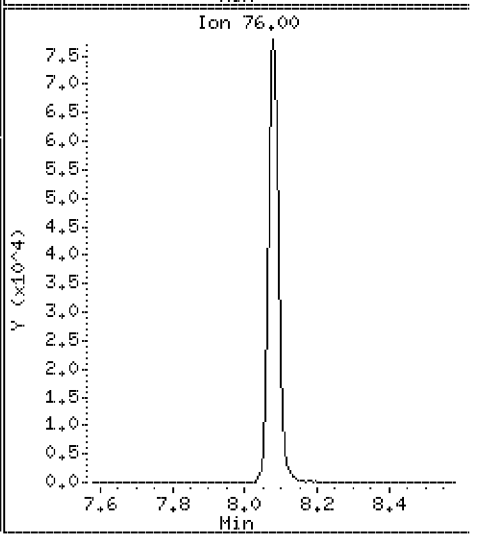












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

Client ID: 061407CCVA32

Instrument: vms03.i

Sample Info: 061407CCV2A32

Purge Volume: 5.0

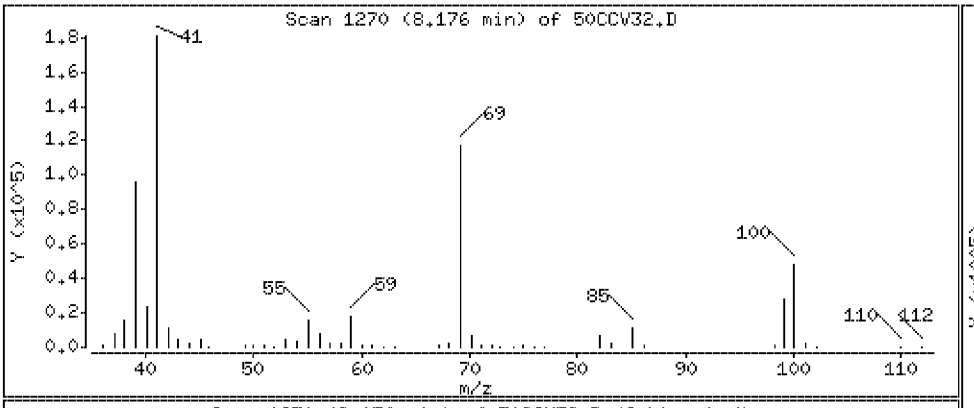
Operator:

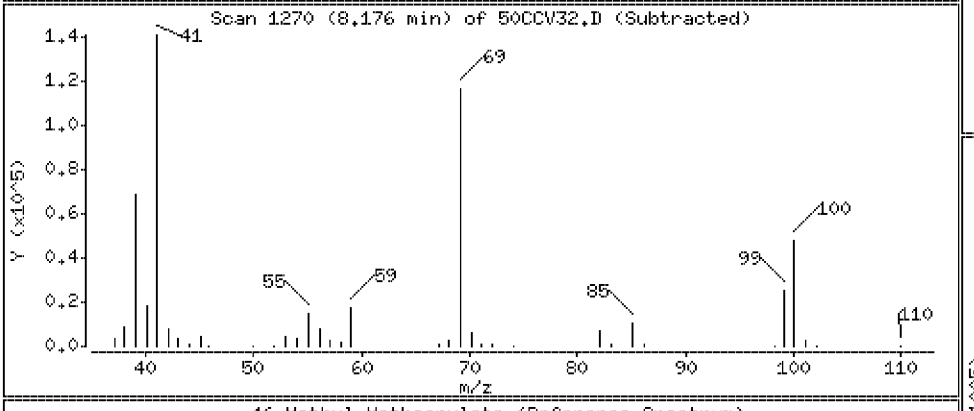
Column phase: DB-624

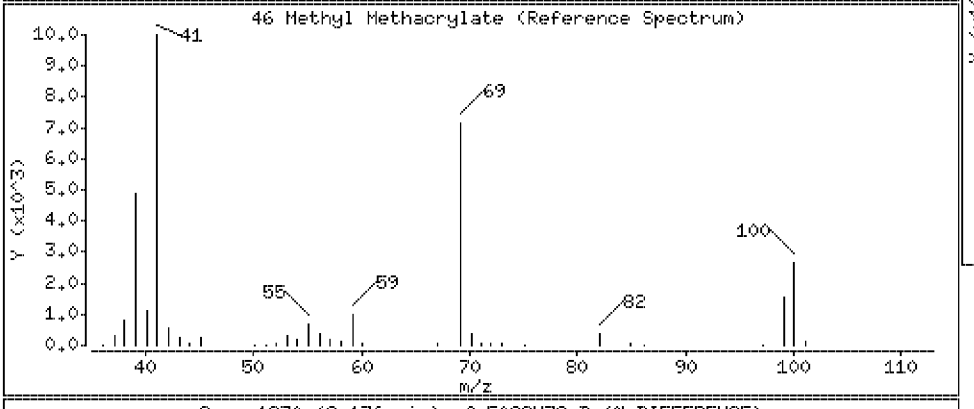
Column diameter: 0.18

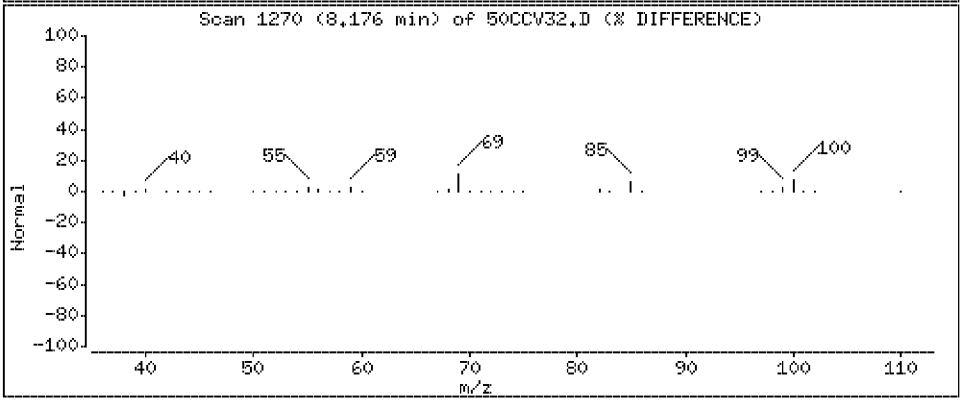
46 Methyl Methacrylate

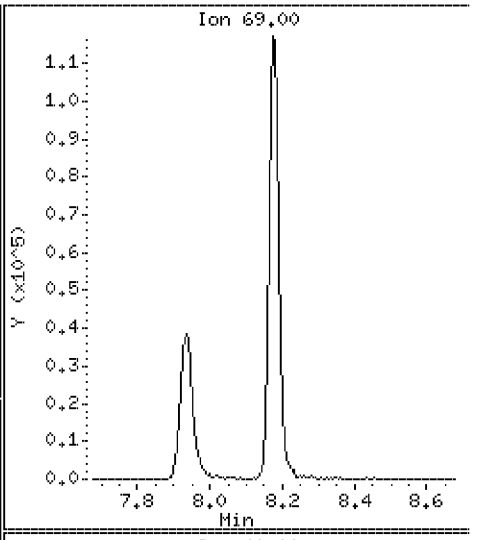
Concentration: 49.1 ug/l

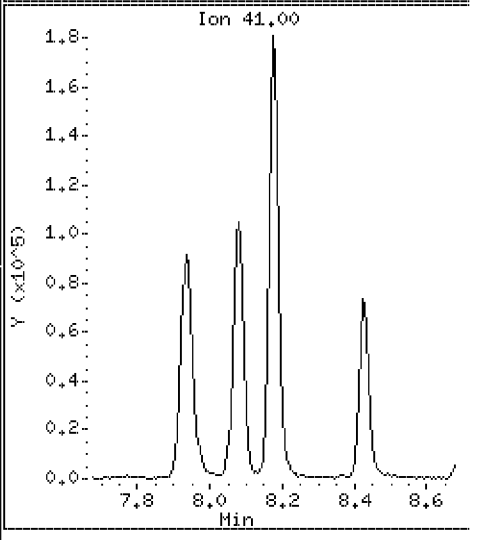












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

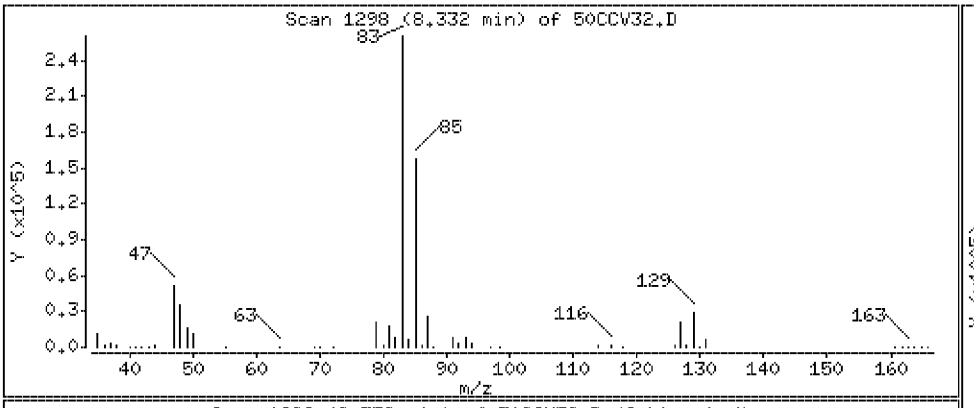
Client ID: 061407CCVA32 Instrument: vms03.i

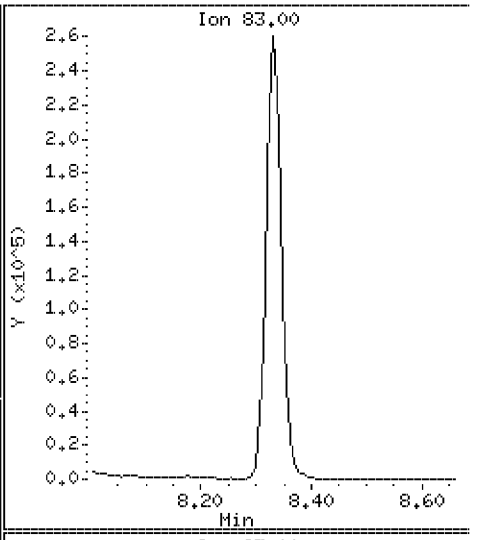
Sample Info: 061407CCV2A32

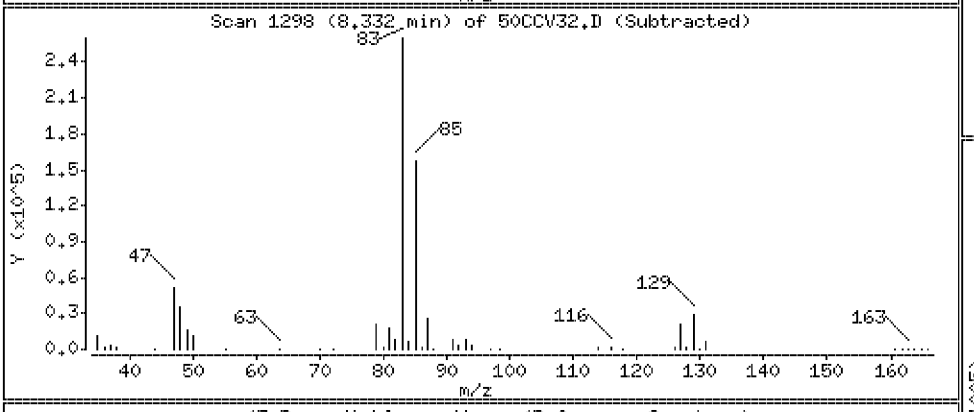
Purge Volume: 5.0 Operator:

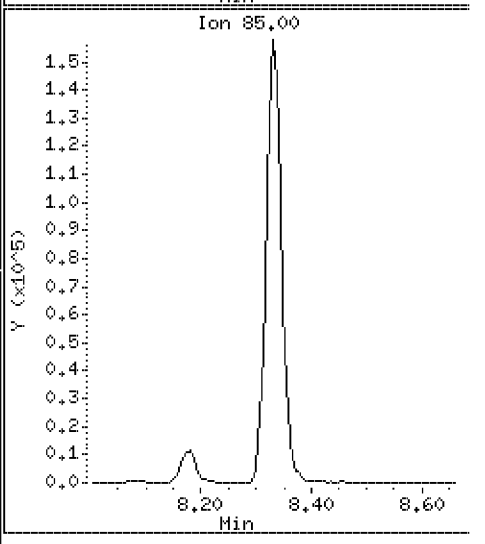
Column phase: DB-624 Column diameter: 0.18

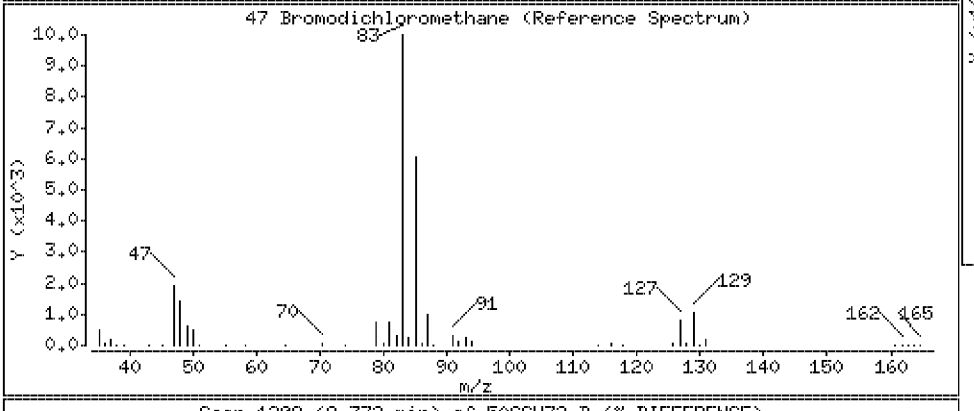
47 Bromodichloromethane Concentration: 52.7 ug/l

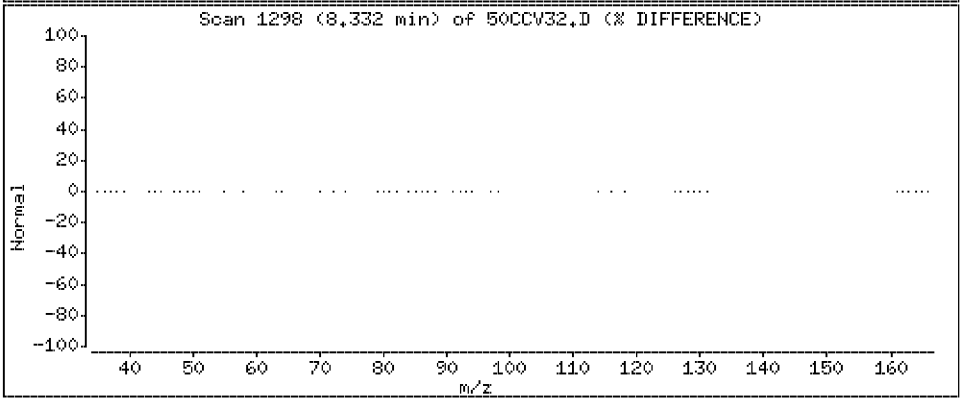












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

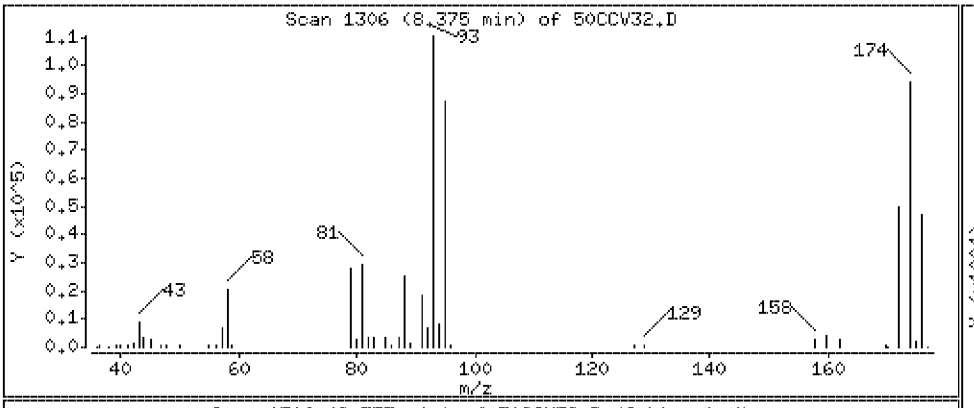
Client ID: 061407CCVA32 | Instrument: vms03.i

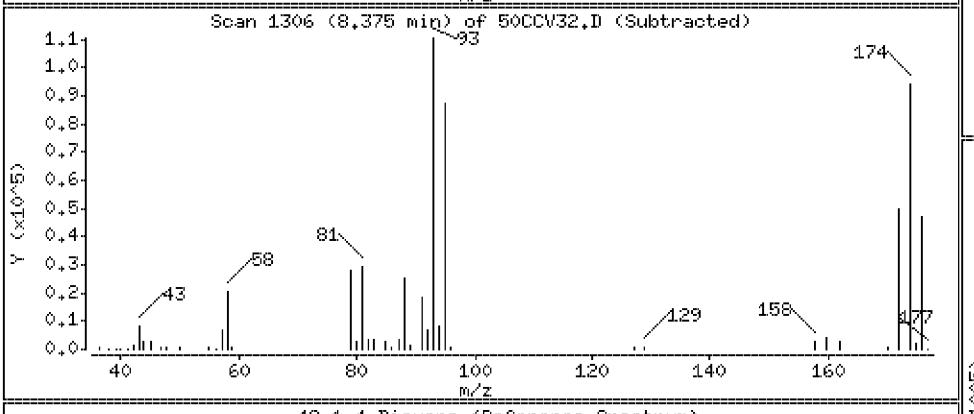
Sample Info: 061407CCV2A32

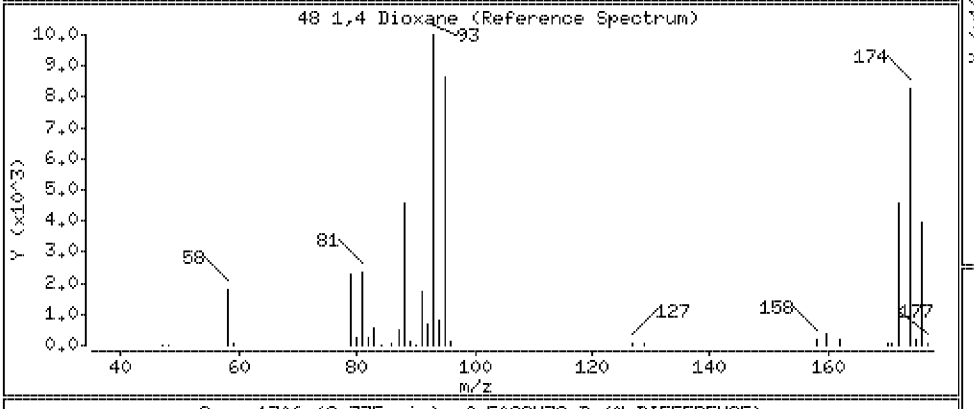
Purge Volume: 5.0 | Operator:

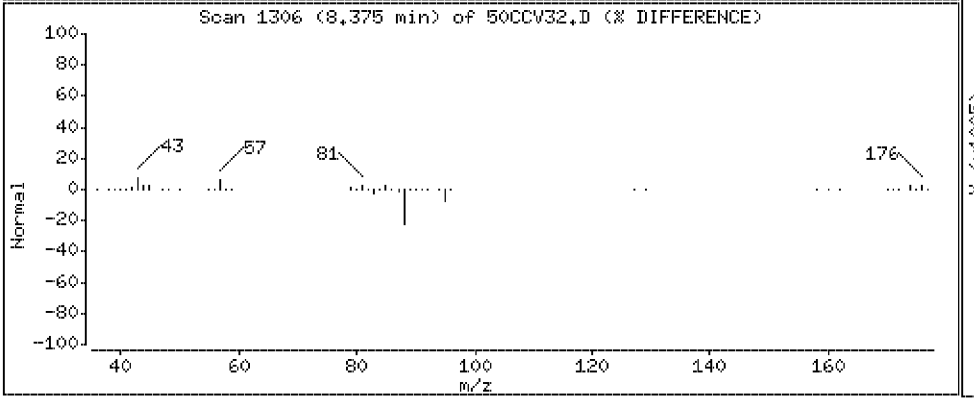
Column phase: DB-624 | Column diameter: 0.18

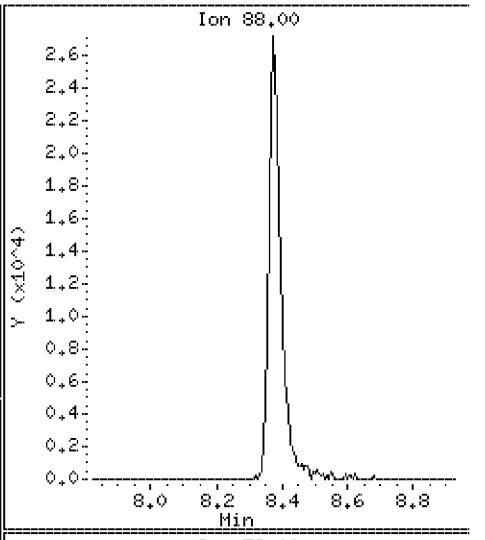
48 1,4 Dioxane | Concentration: 830 ug/l

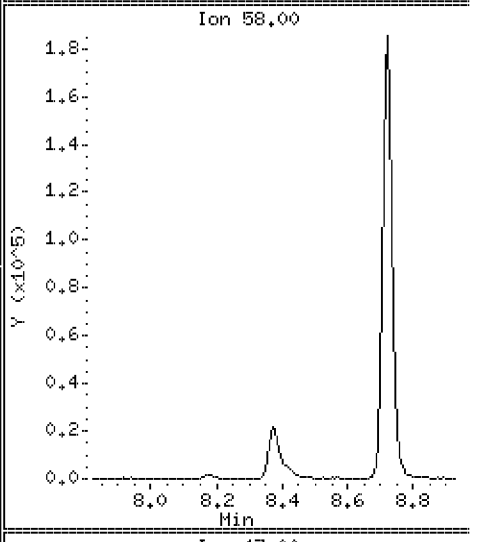


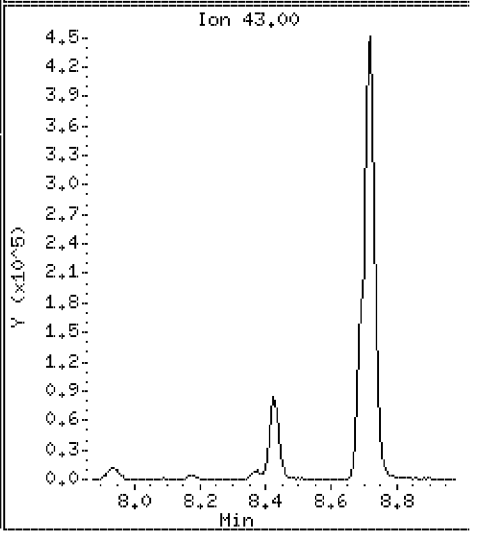












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

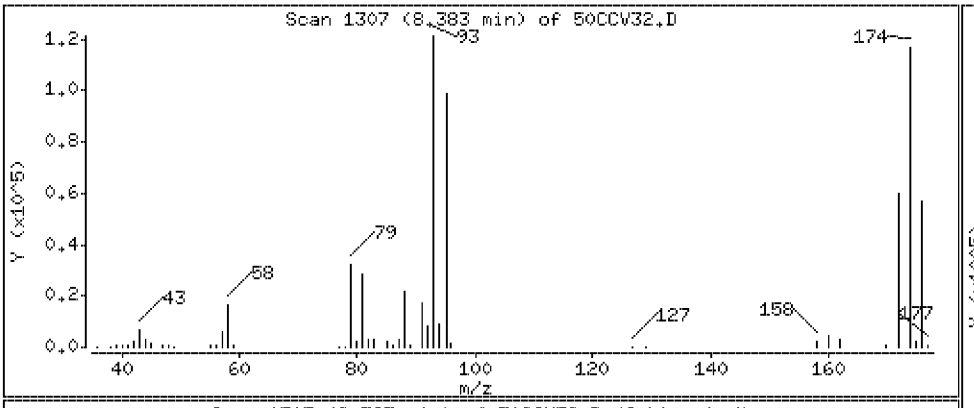
Client ID: 061407CCVA32 Instrument: vms03.i

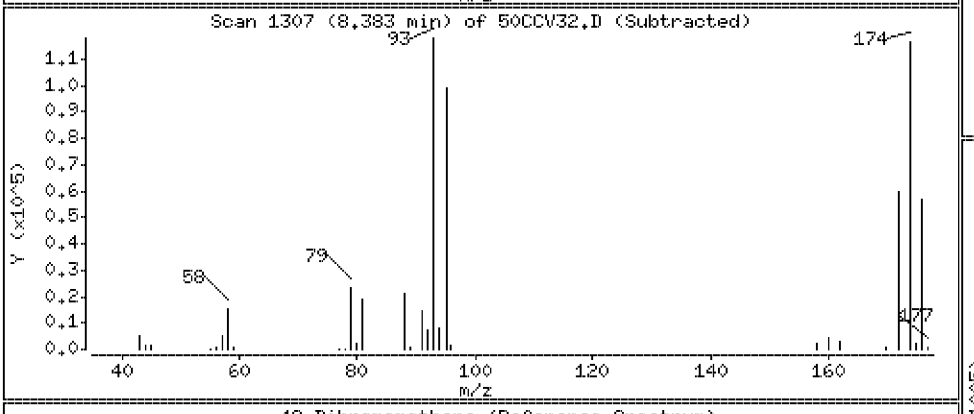
Sample Info: 061407CCV2A32

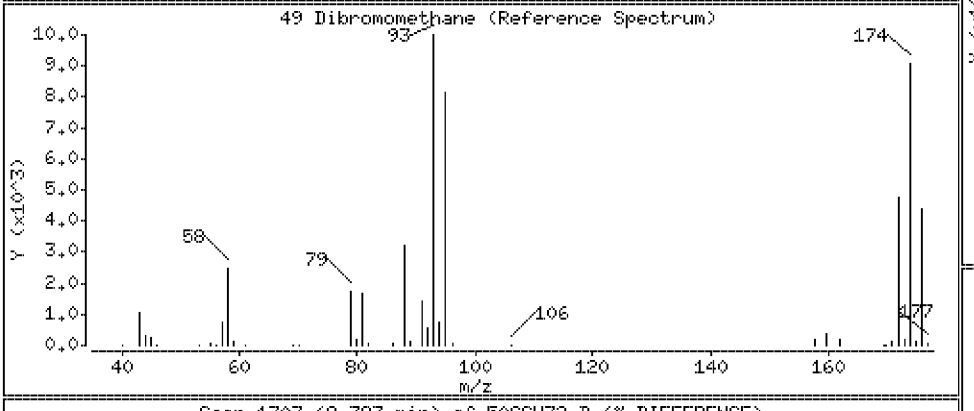
Purge Volume: 5.0 Operator:

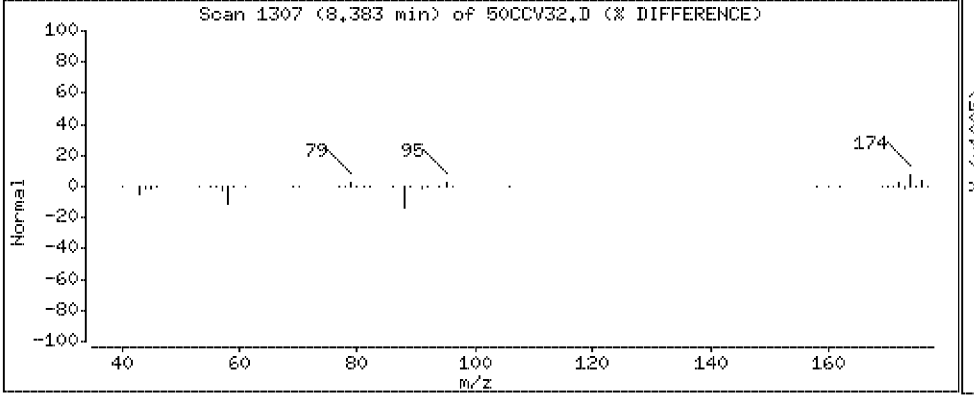
Column phase: DB-624 Column diameter: 0.18

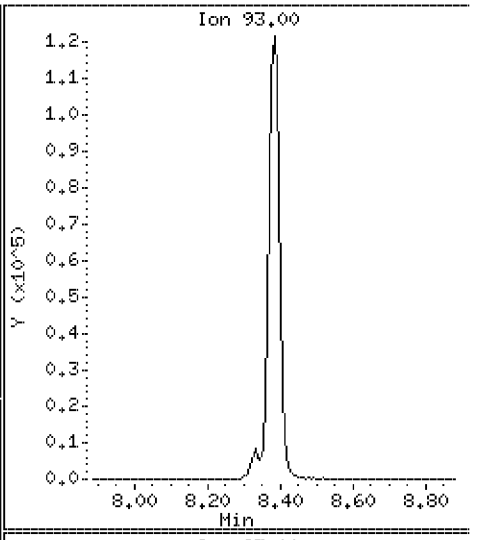
49 Dibromomethane Concentration: 49.1 ug/l

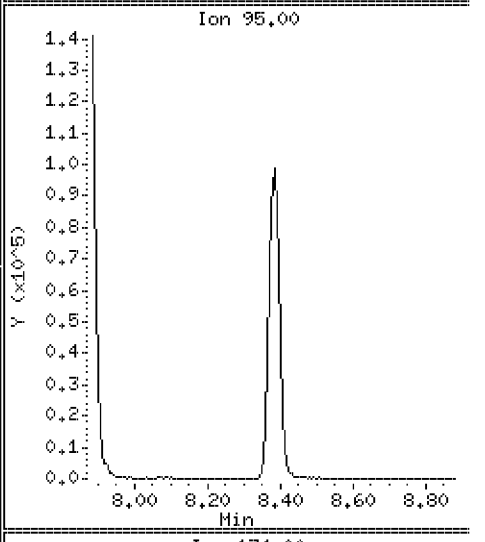


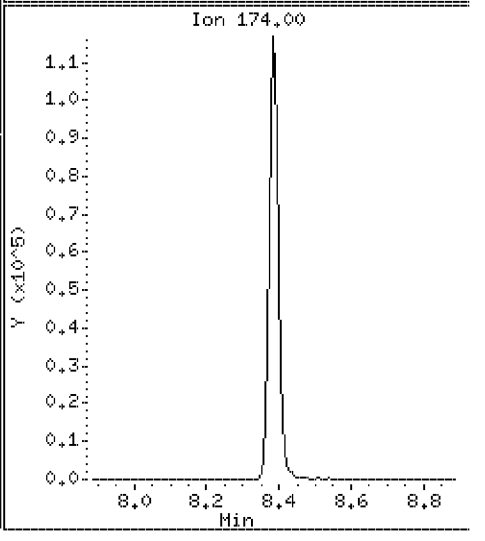












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

Client ID: 061407CCVA32

Instrument: vms03.i

Sample Info: 061407CCV2A32

Purge Volume: 5.0

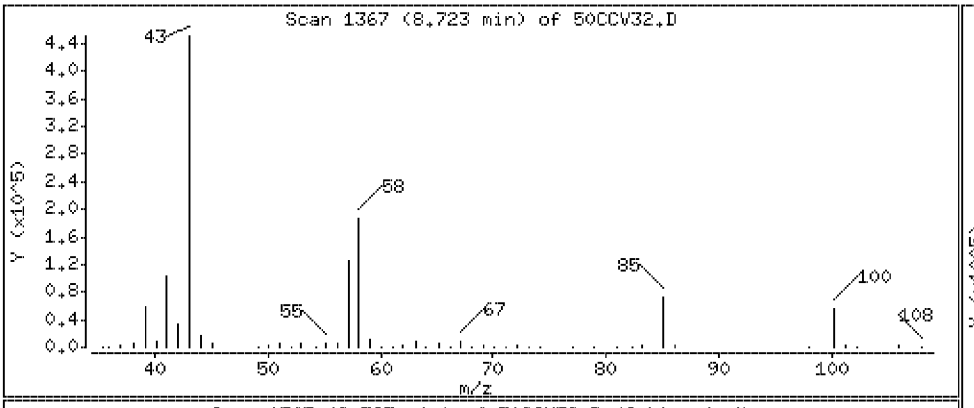
Operator:

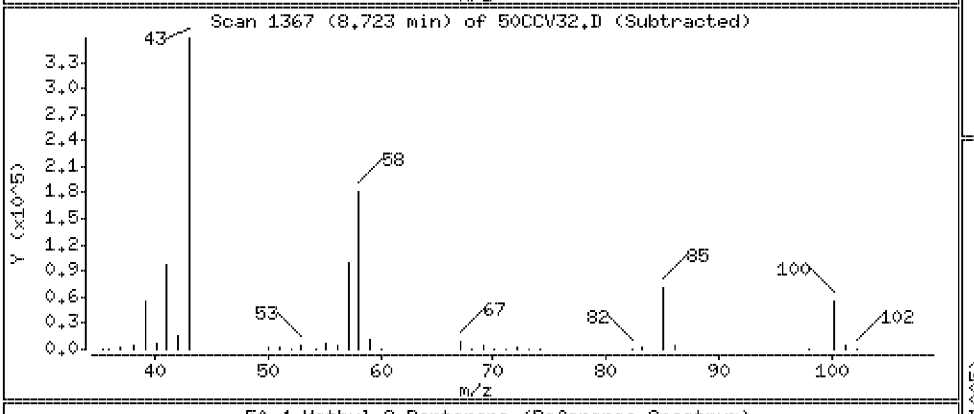
Column phase: DB-624

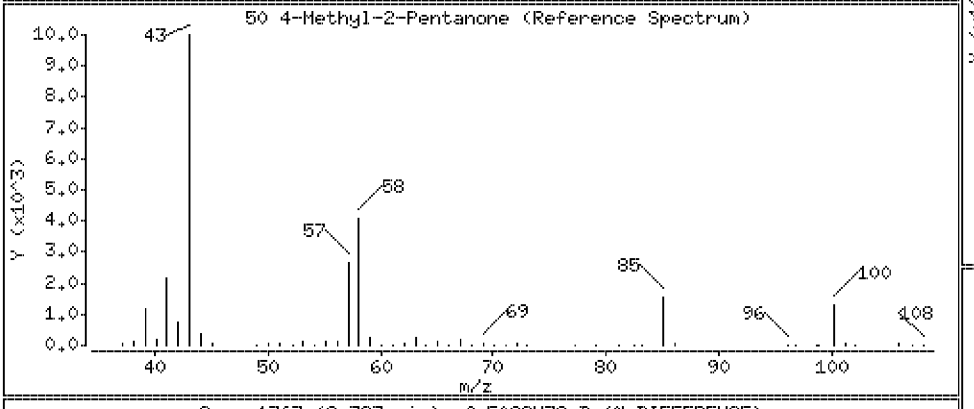
Column diameter: 0.18

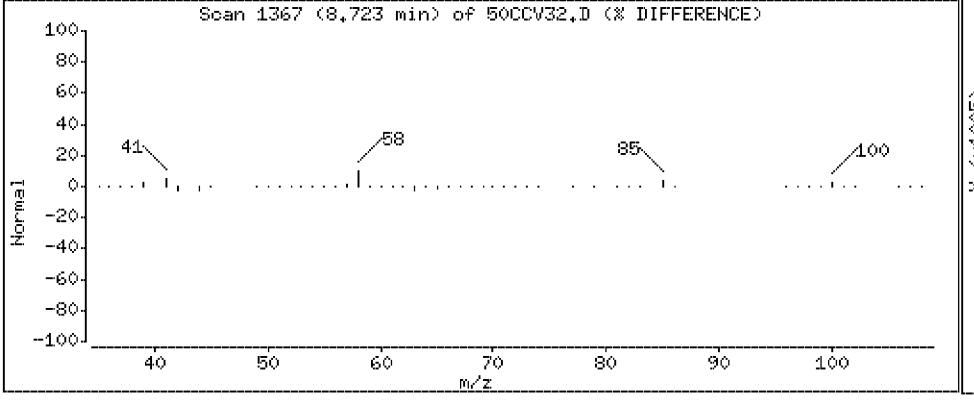
50 4-Methyl-2-Pentanone

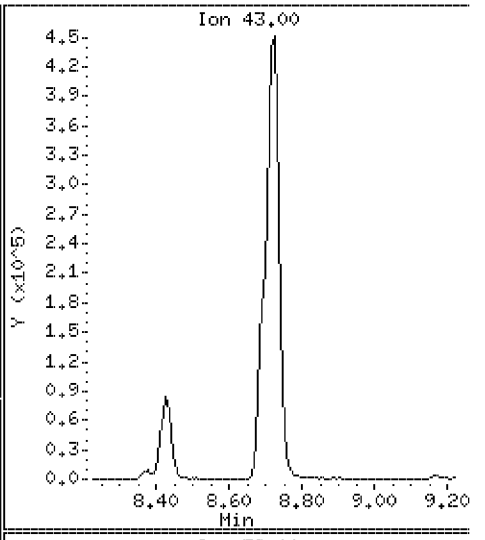
Concentration: 109 ug/l

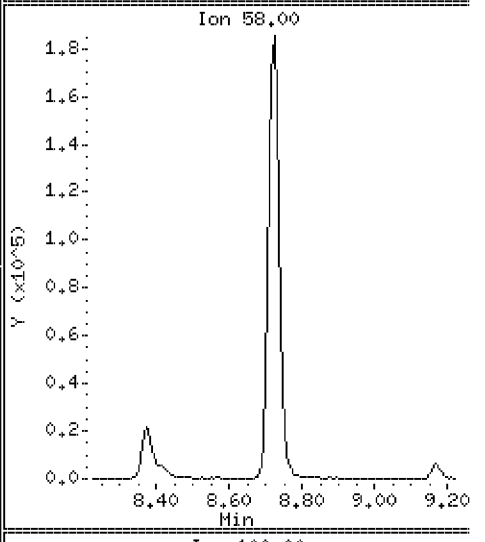


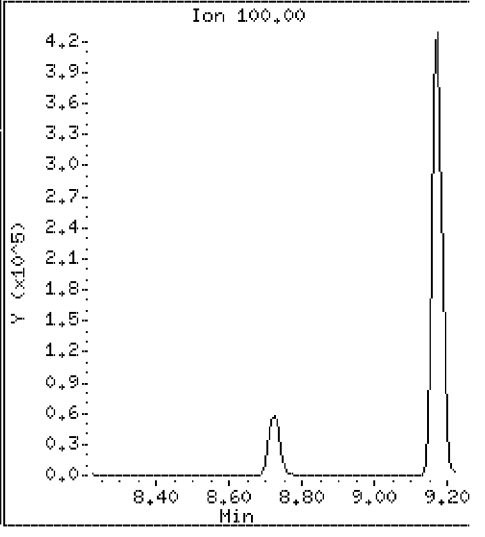












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

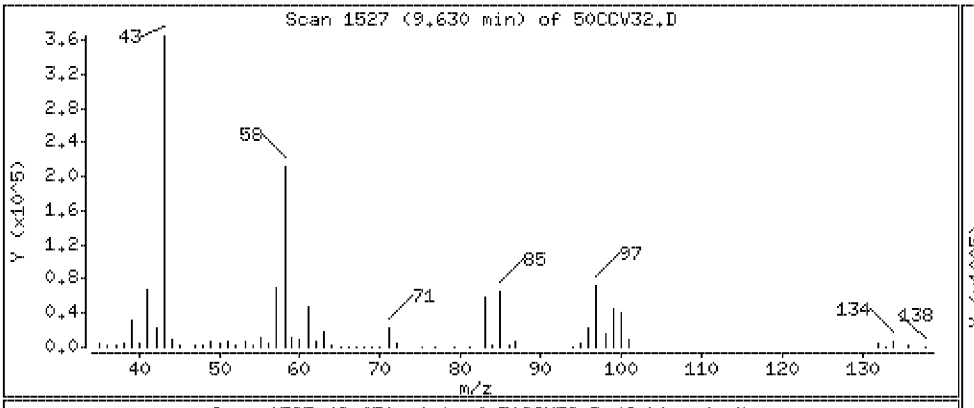
Client ID: 061407CCVA32 | Instrument: vms03.i

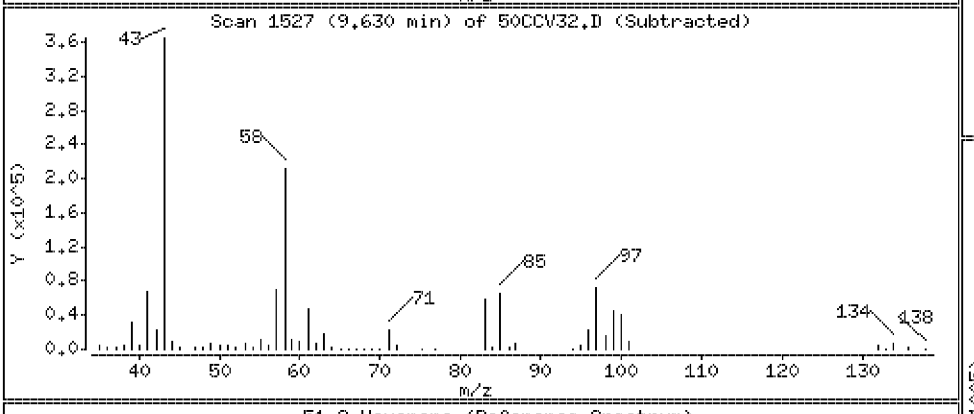
Sample Info: 061407CCV2A32

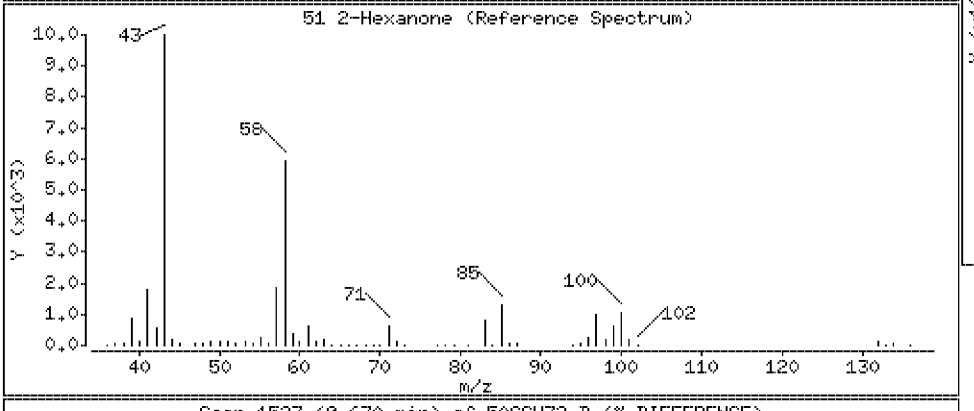
Purge Volume: 5.0 | Operator:

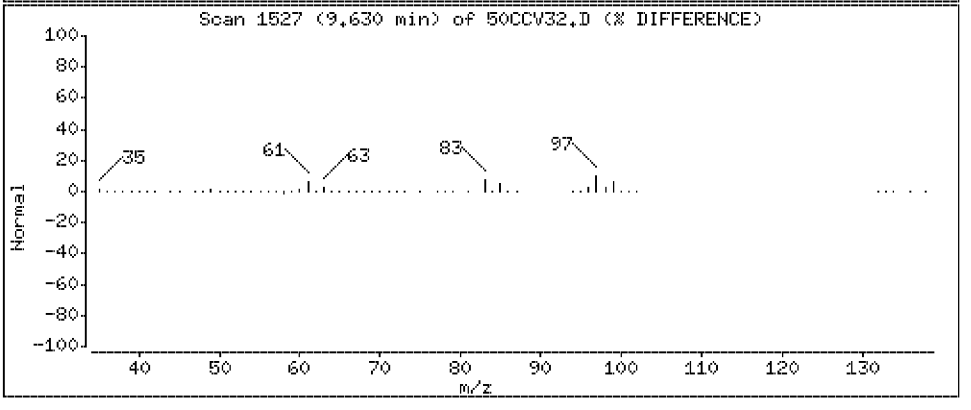
Column phase: DB-624 | Column diameter: 0.18

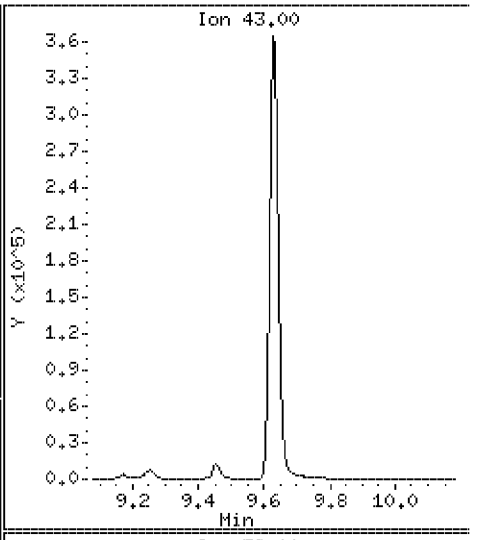
51 2-Hexanone | Concentration: 106 ug/l

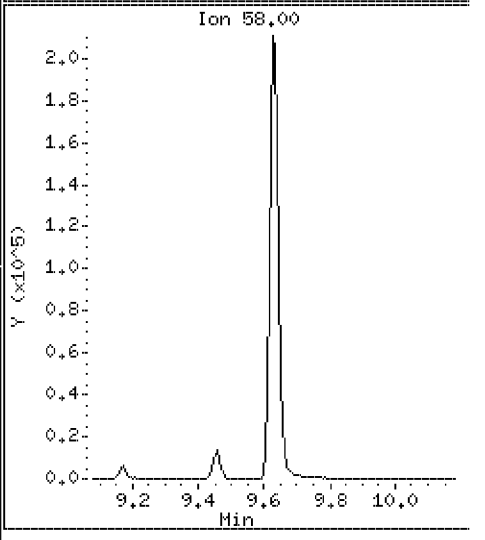












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

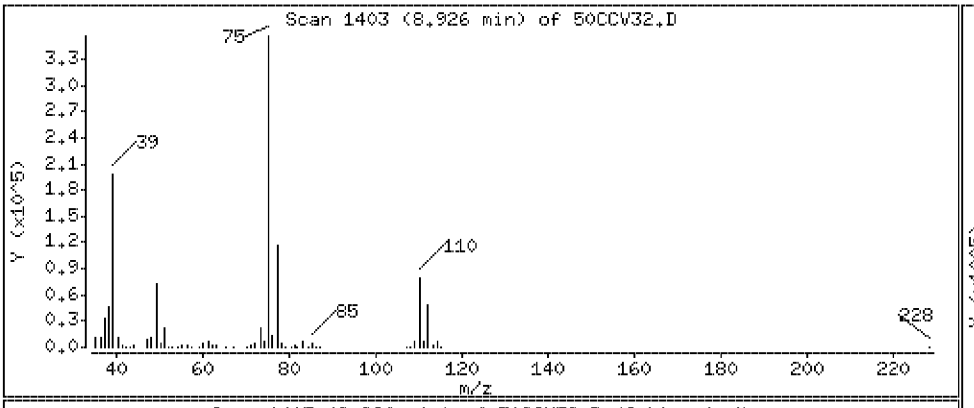
Client ID: 061407CCVA32 Instrument: vms03.i

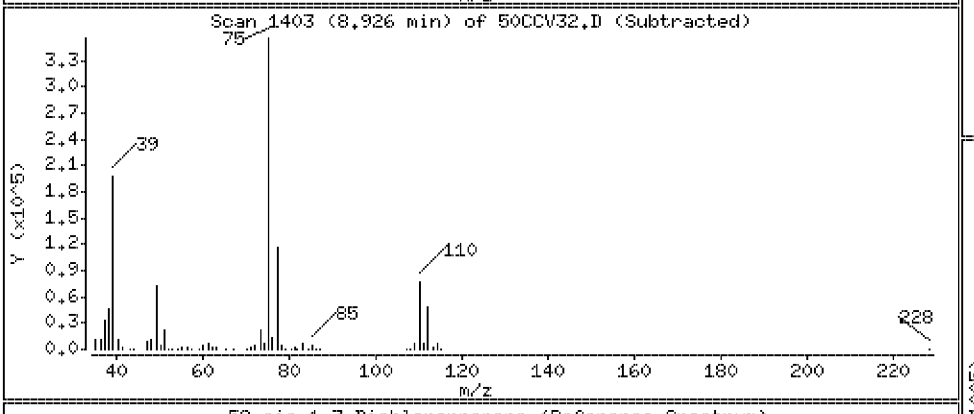
Sample Info: 061407CCV2A32

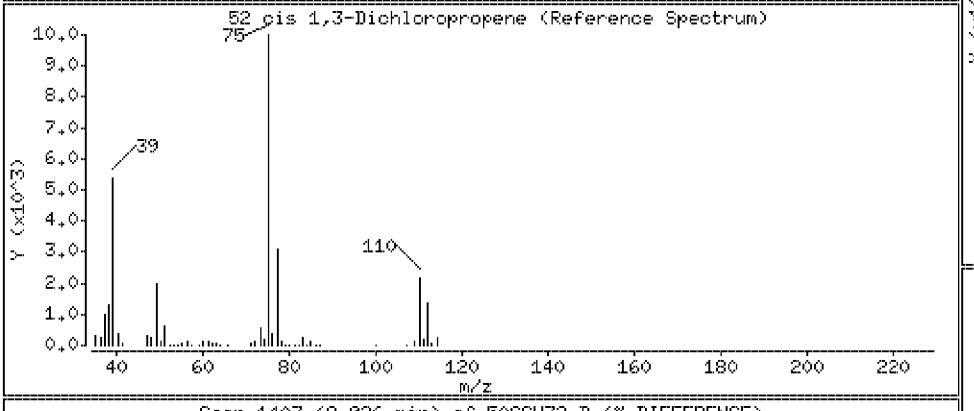
Purge Volume: 5.0 Operator:

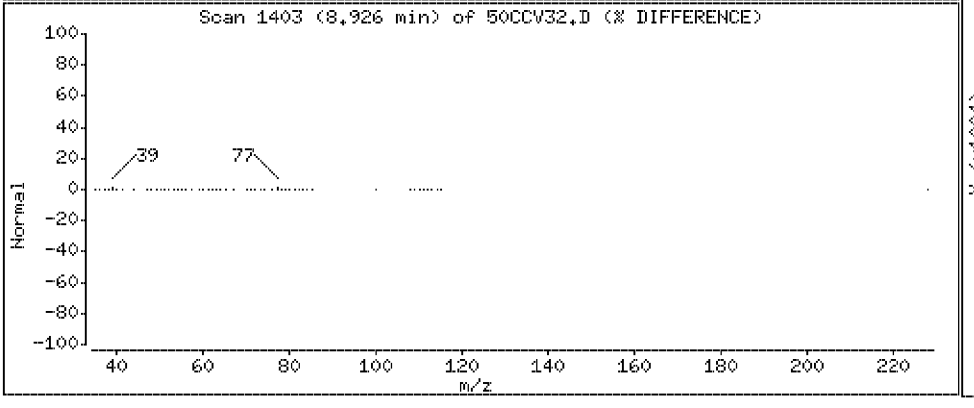
Column phase: DB-624 Column diameter: 0.18

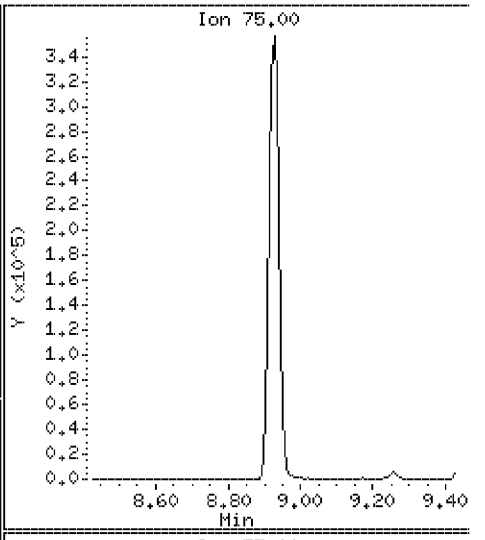
52 cis 1,3-Dichloropropene Concentration: 56.8 ug/l

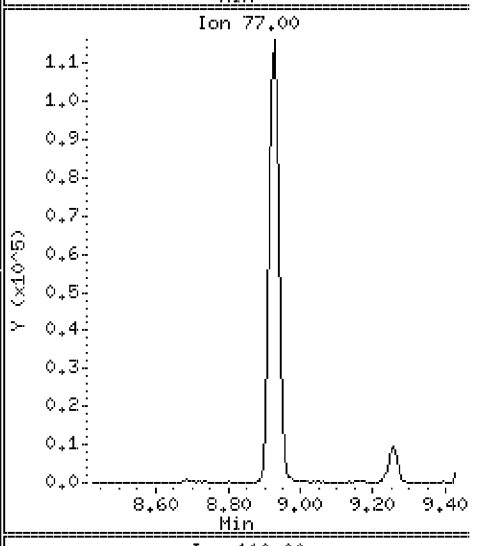


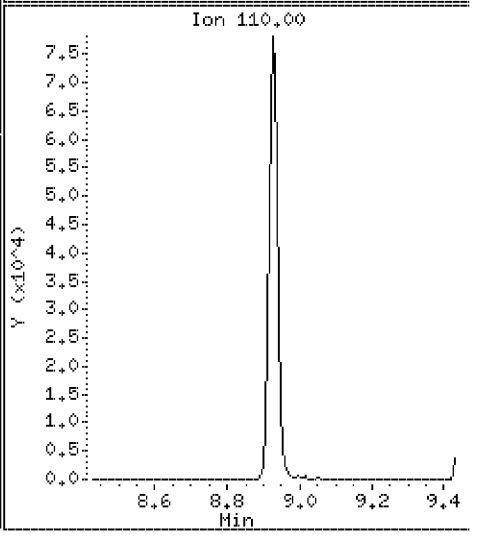












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

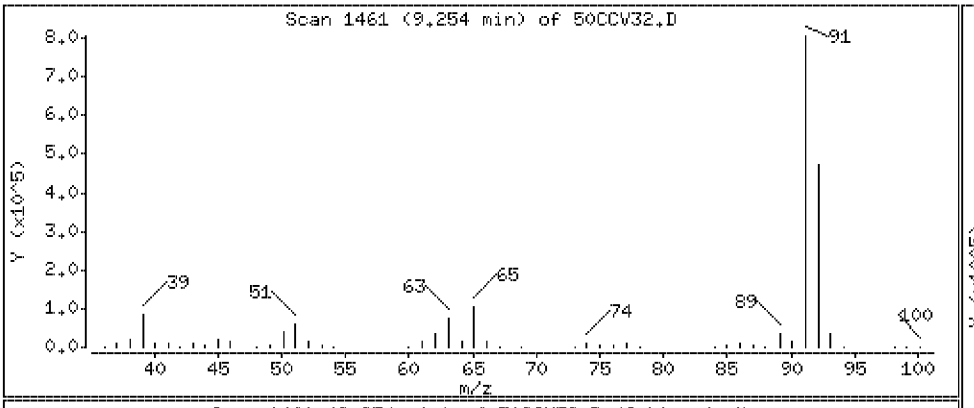
Client ID: 061407CCVA32 Instrument: vms03.i

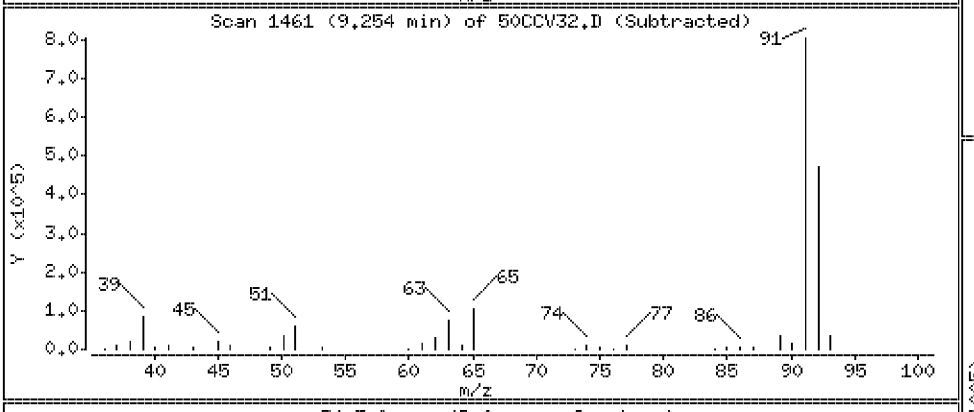
Sample Info: 061407CCV2A32

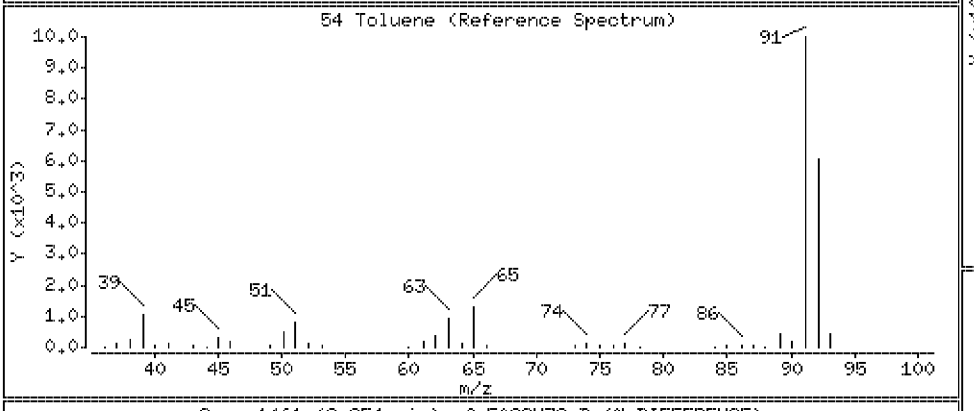
Purge Volume: 5.0 Operator:

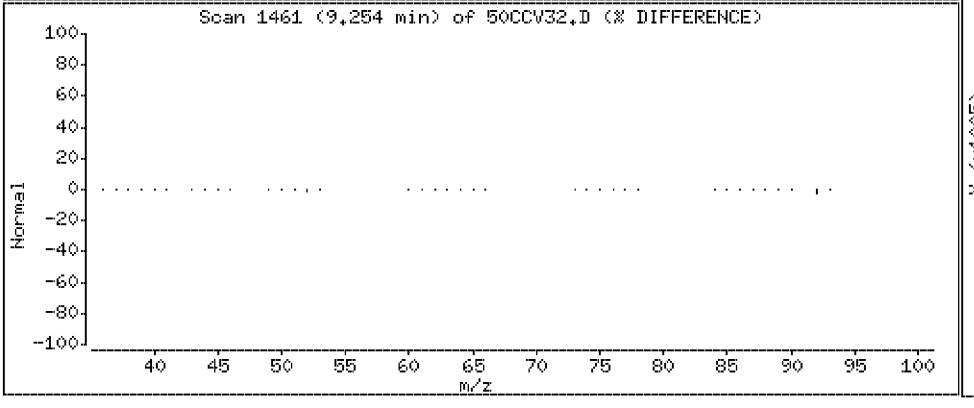
Column phase: DB-624 Column diameter: 0.18

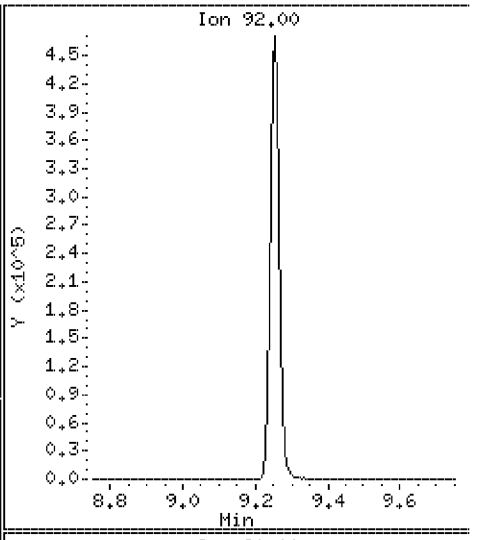
54 Toluene Concentration: 50.9 ug/l

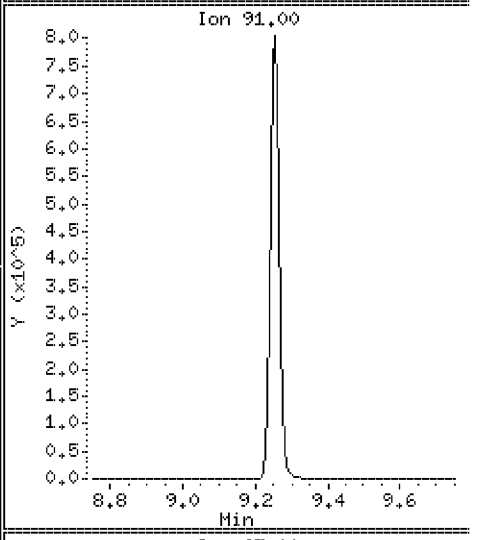


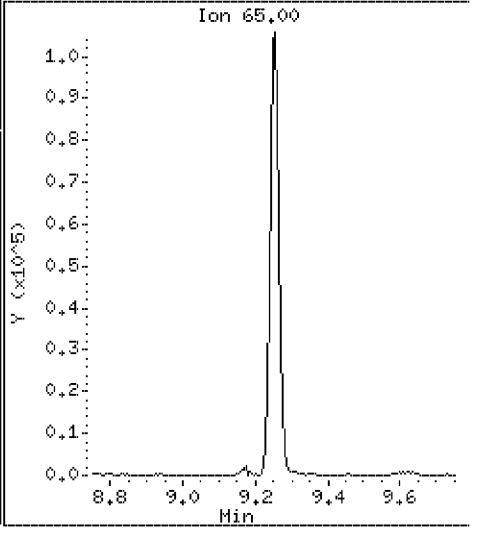












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

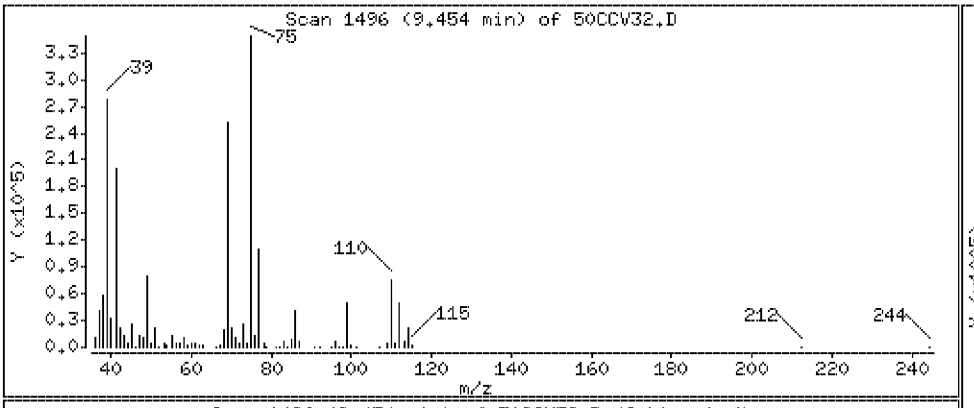
Client ID: 061407CCVA32 Instrument: vms03.i

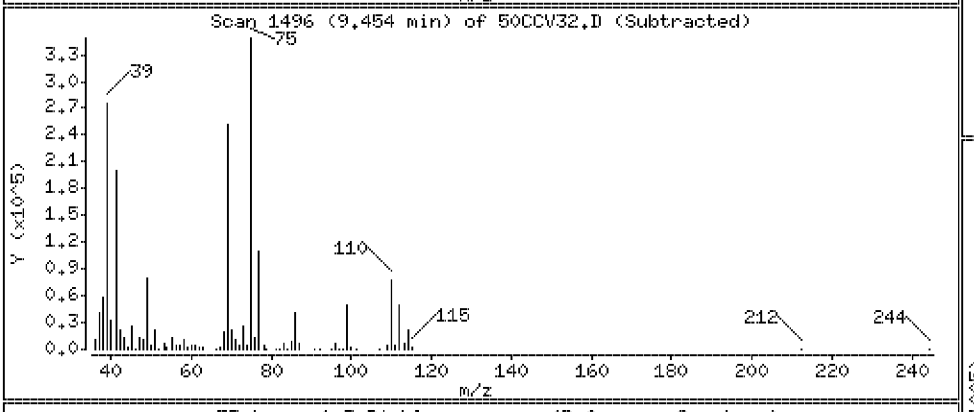
Sample Info: 061407CCV2A32

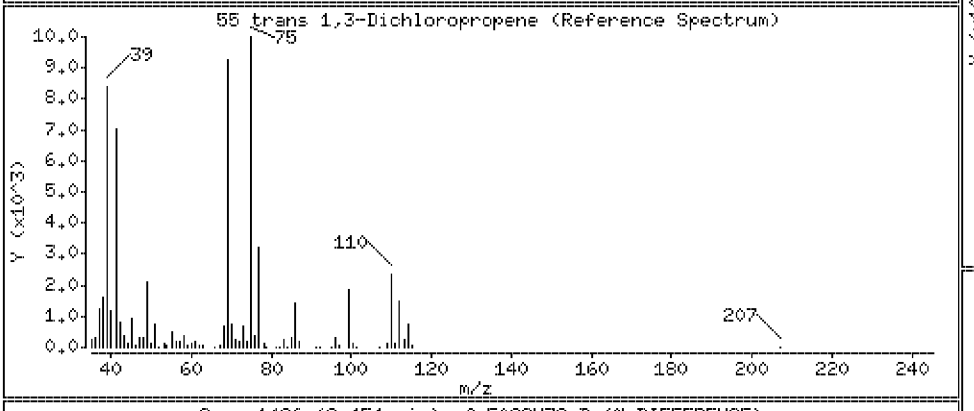
Purge Volume: 5.0 Operator:

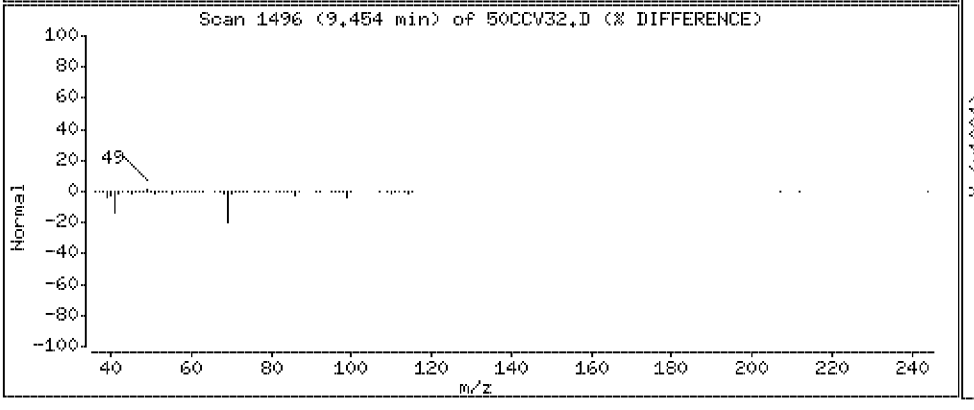
Column phase: DB-624 Column diameter: 0.18

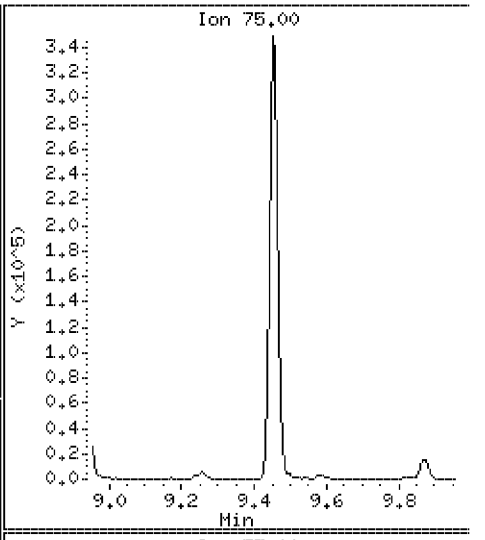
55 trans 1,3-Dichloropropene Concentration: 56.0 ug/l

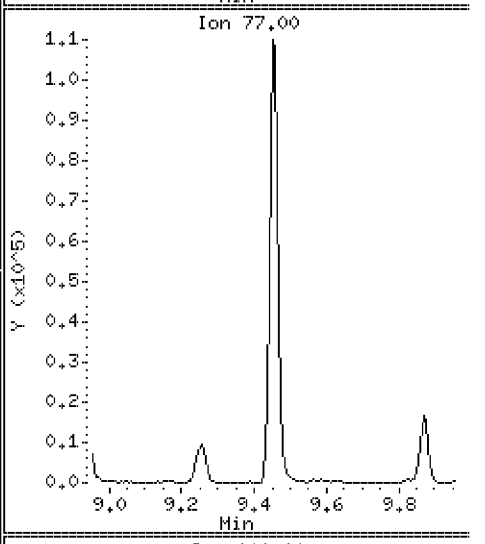


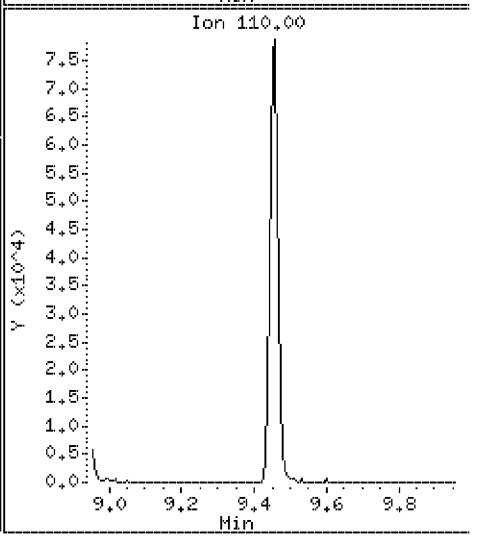












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

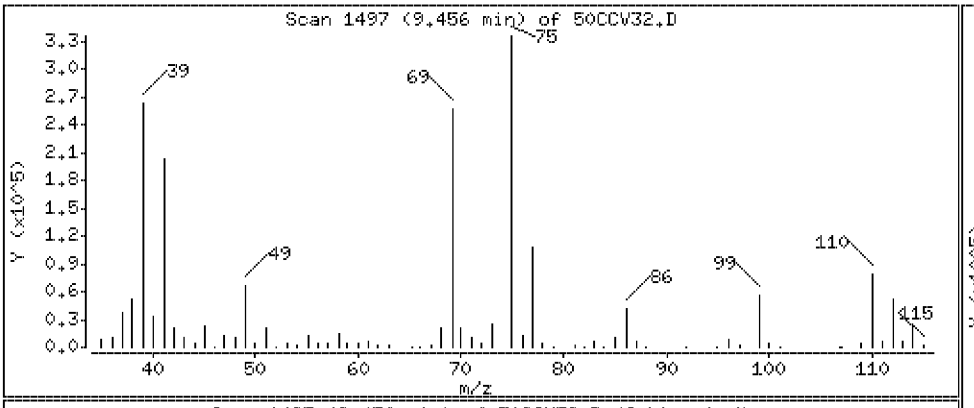
Client ID: 061407CCVA32 Instrument: vms03.i

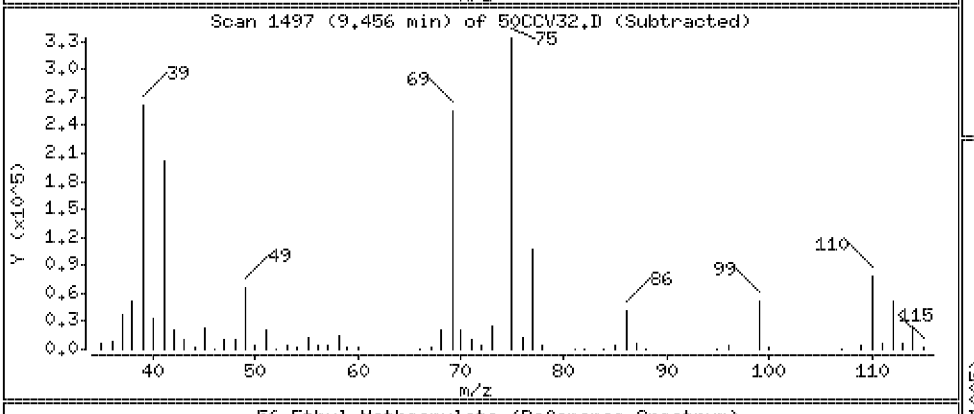
Sample Info: 061407CCV2A32

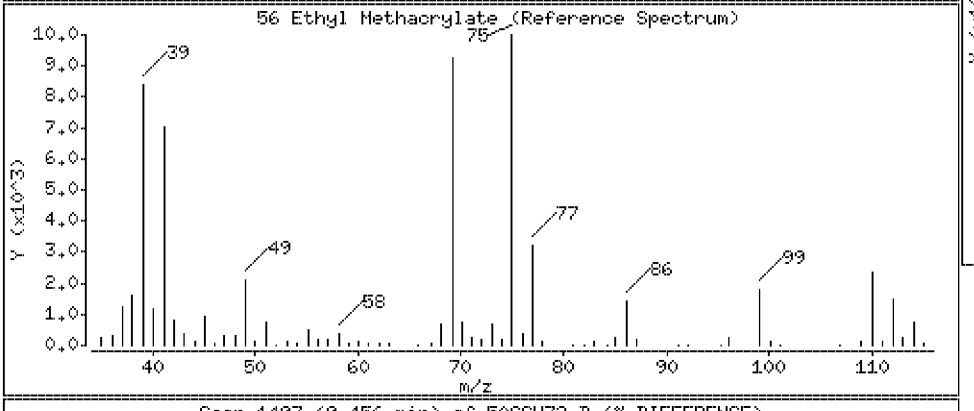
Purge Volume: 5.0 Operator:

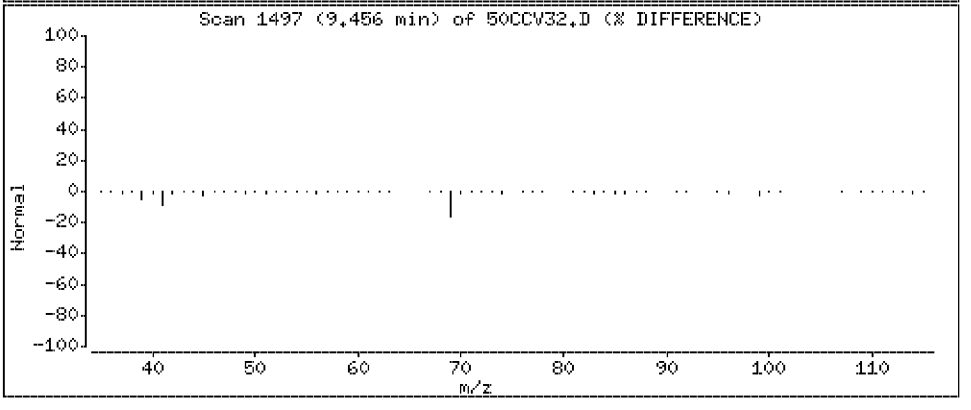
Column phase: DB-624 Column diameter: 0.18

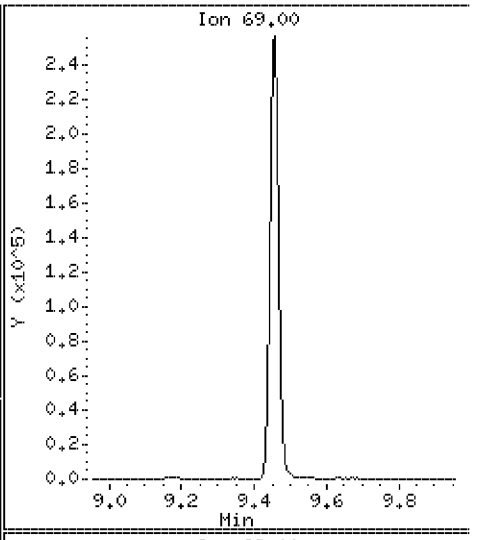
56 Ethyl Methacrylate Concentration: 52.0 ug/l

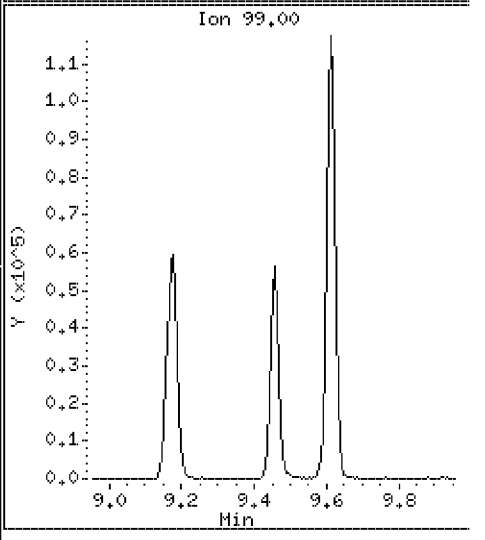












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

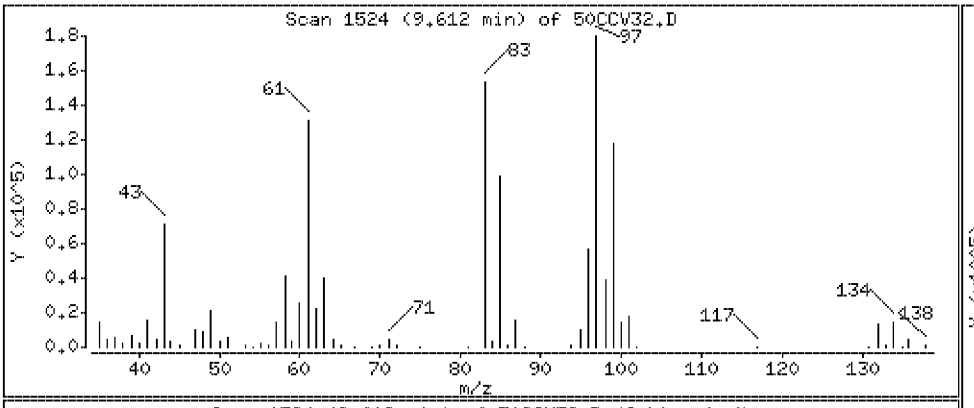
Client ID: 061407CCVA32 Instrument: vms03.i

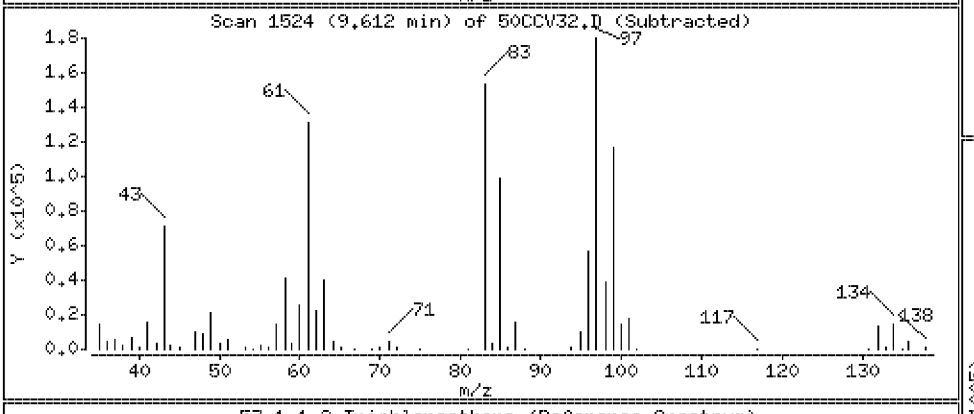
Sample Info: 061407CCV2A32

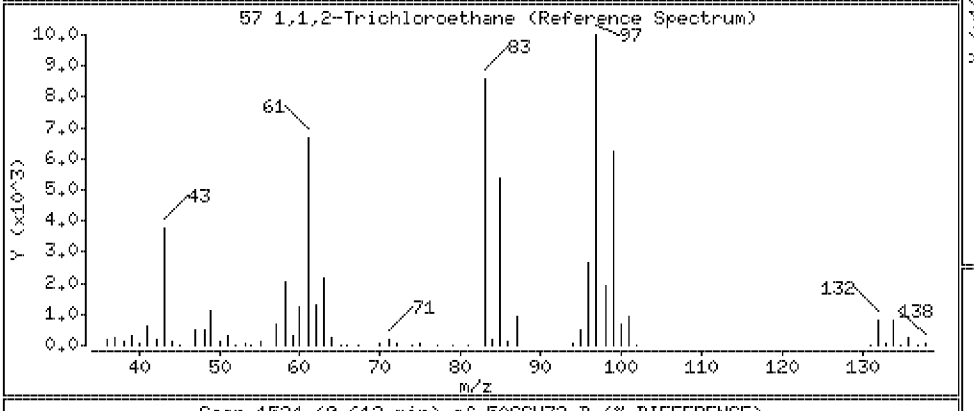
Purge Volume: 5.0 Operator:

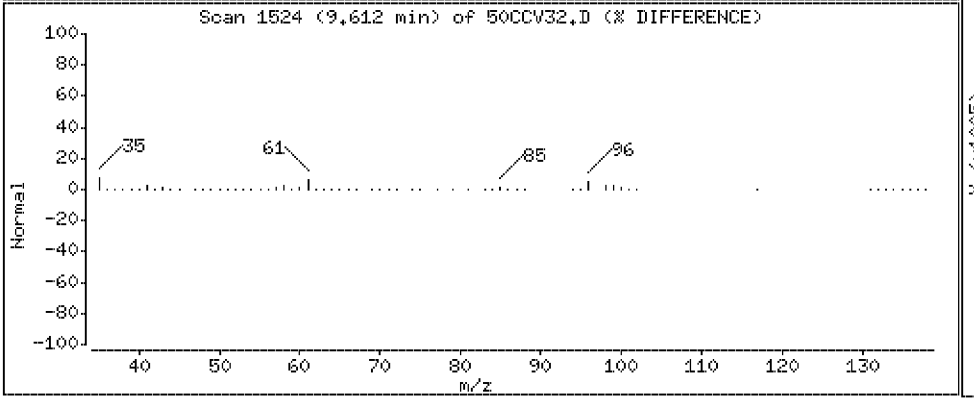
Column phase: DB-624 Column diameter: 0.18

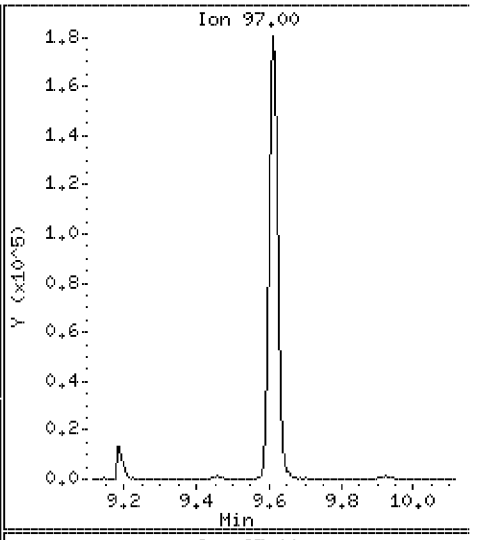
57 1,1,2-Trichloroethane Concentration: 49.8 ug/l

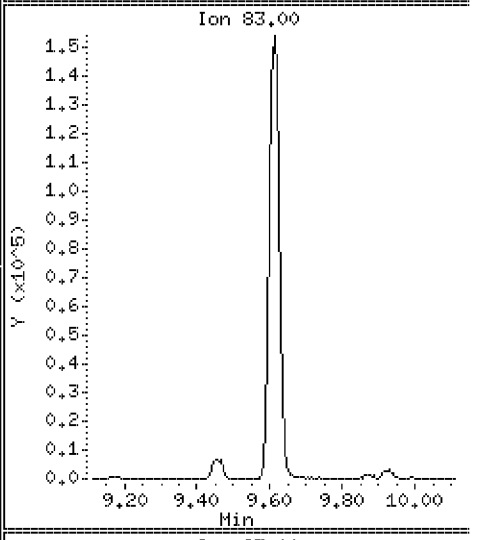


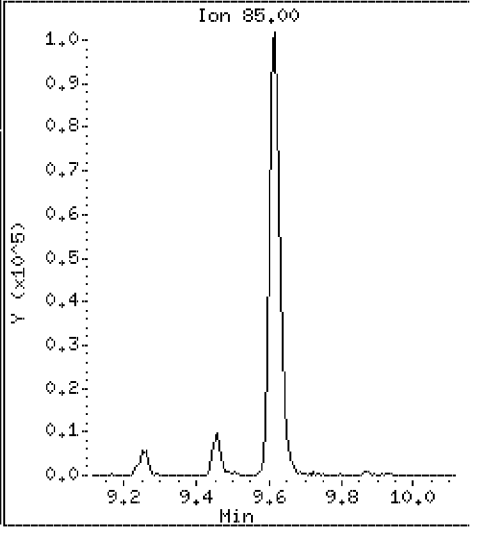












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

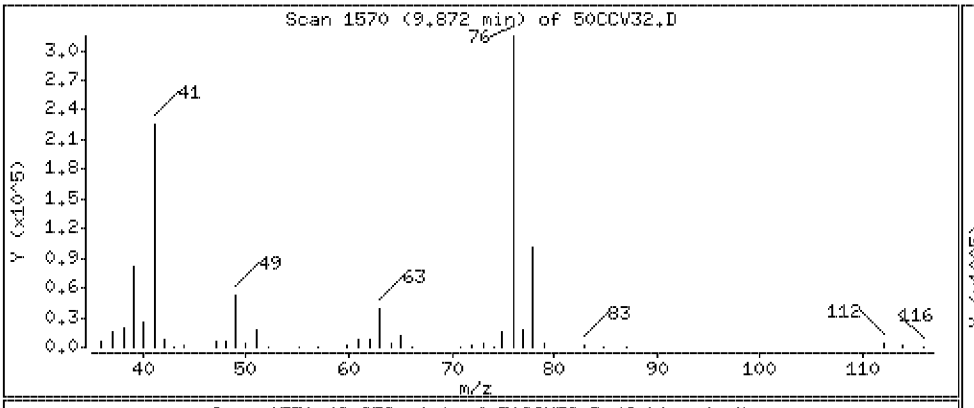
Client ID: 061407CCVA32 Instrument: vms03.i

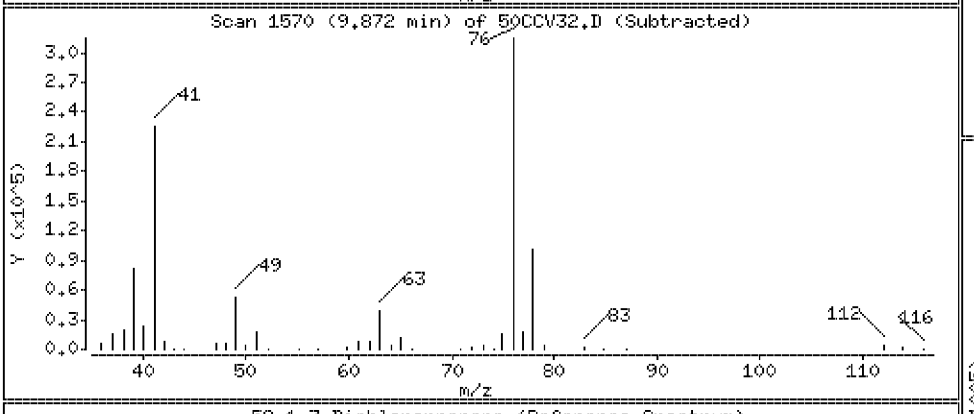
Sample Info: 061407CCV2A32

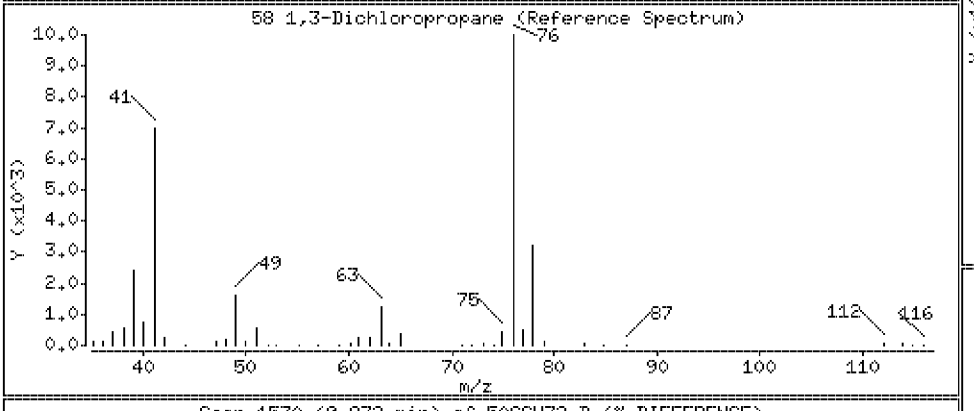
Purge Volume: 5.0 Operator:

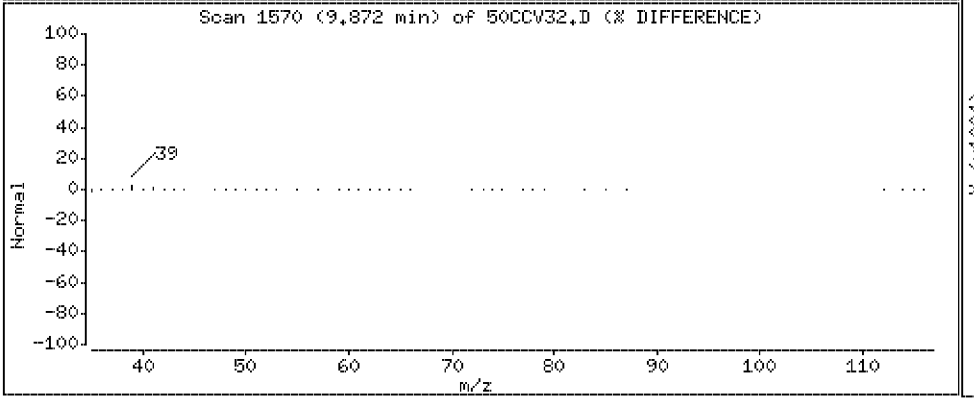
Column phase: DB-624 Column diameter: 0.18

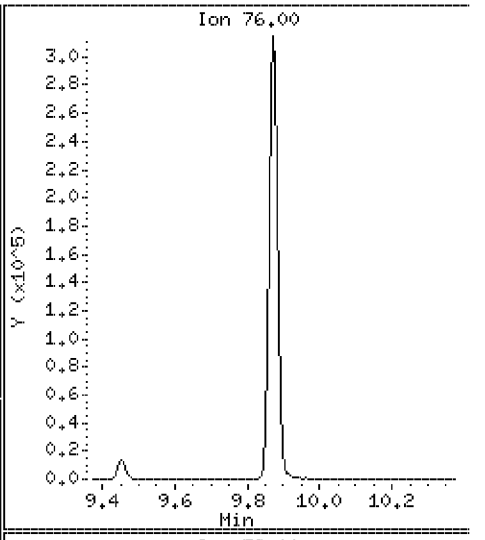
58 1,3-Dichloropropane Concentration: 47.6 ug/l

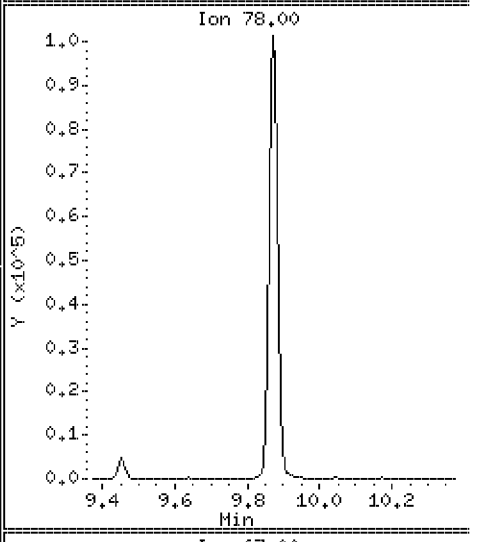


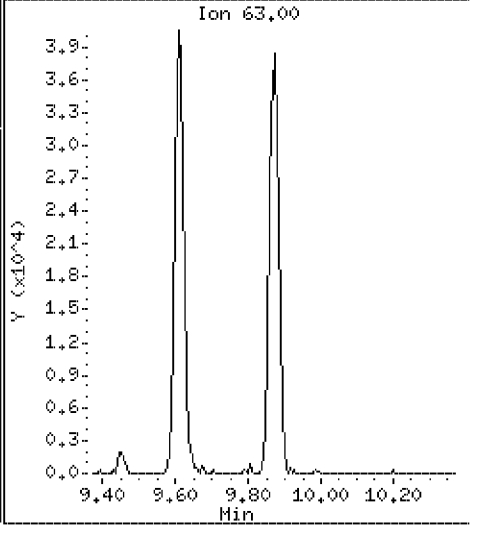












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

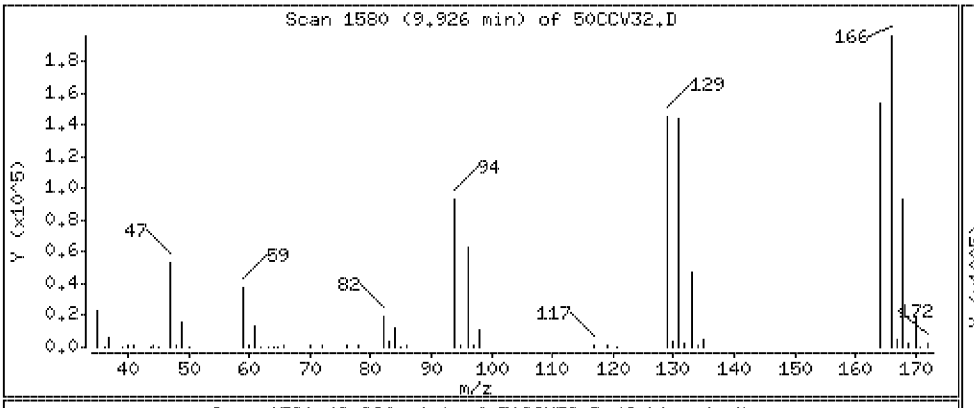
Client ID: 061407CCVA32 Instrument: vms03.i

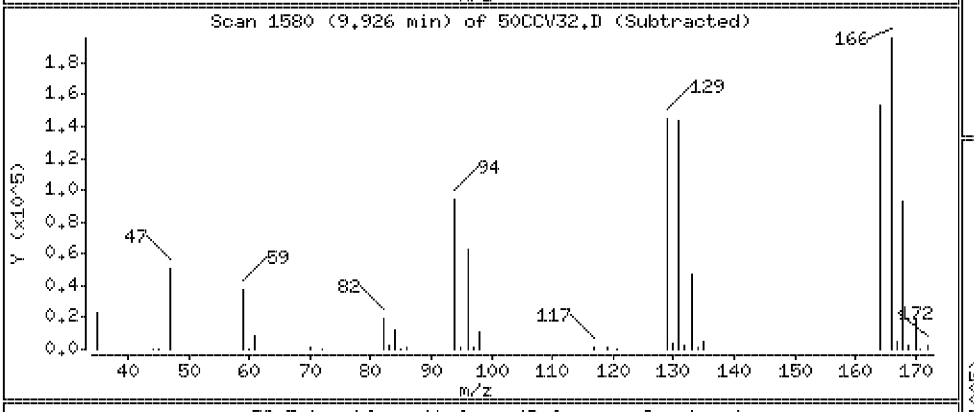
Sample Info: 061407CCV2A32

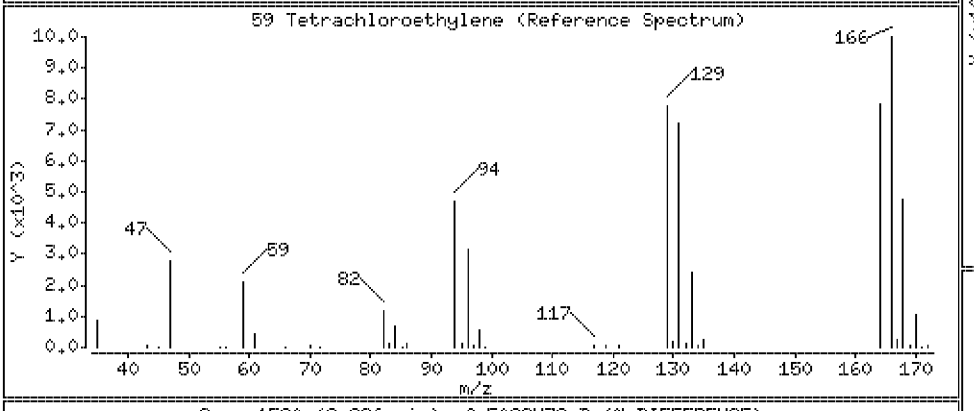
Purge Volume: 5.0 Operator:

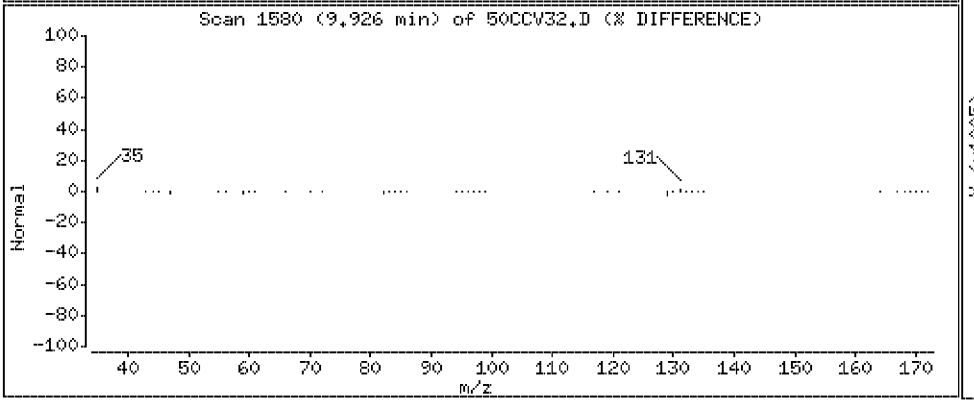
Column phase: DB-624 Column diameter: 0.18

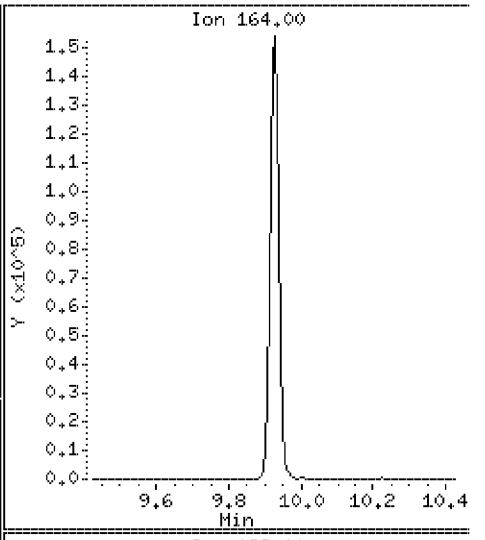
59 Tetrachloroethylene Concentration: 49.5 ug/l

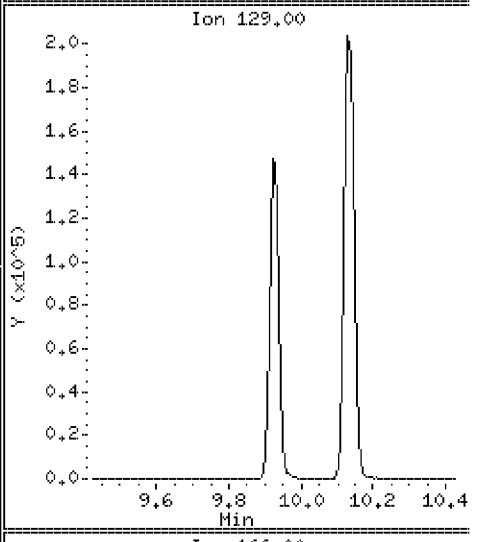


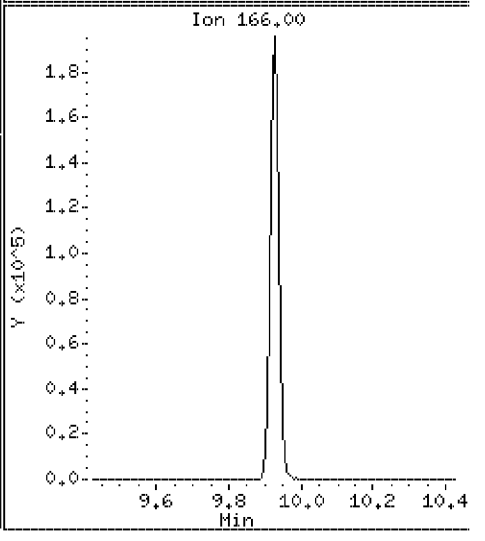












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

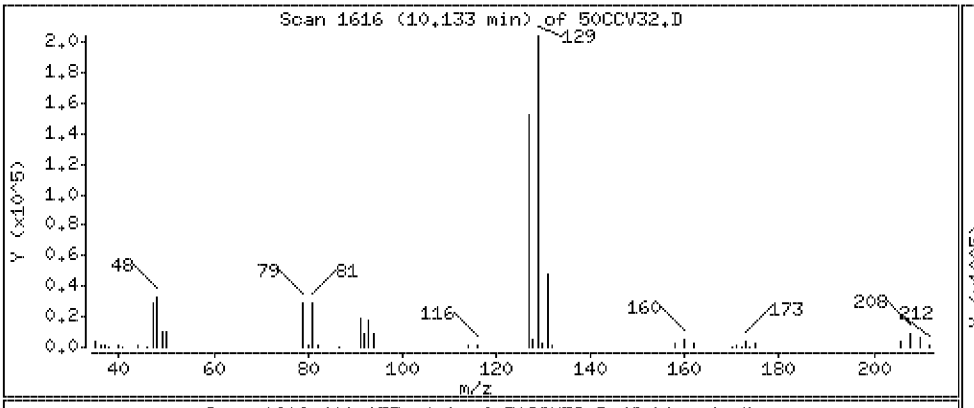
Client ID: 061407CCVA32 Instrument: vms03.i

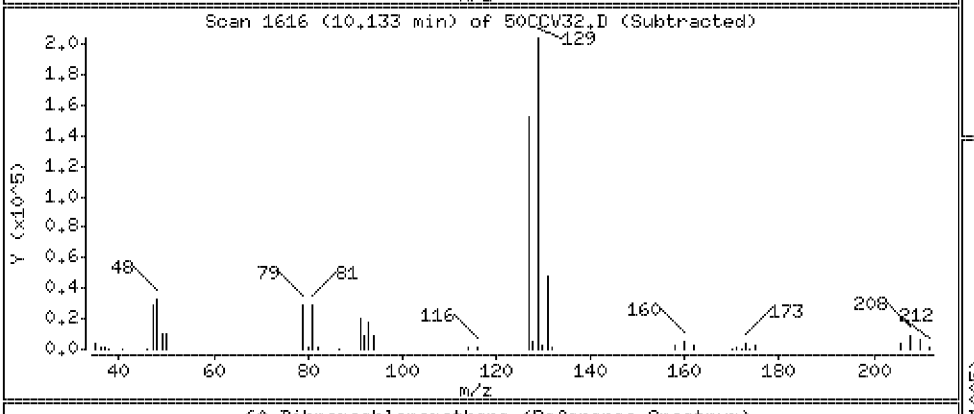
Sample Info: 061407CCV2A32

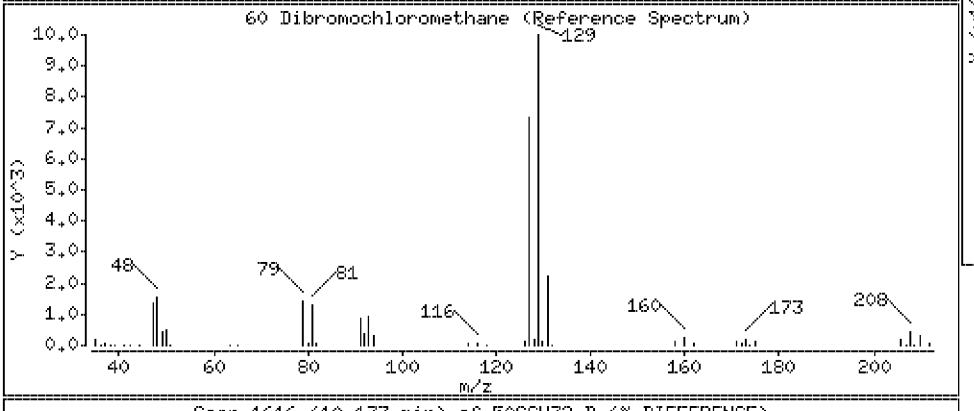
Purge Volume: 5.0 Operator:

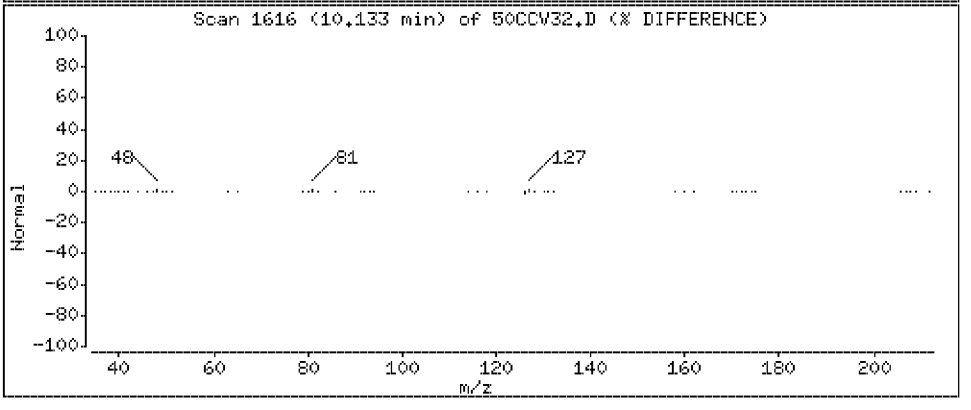
Column phase: DB-624 Column diameter: 0.18

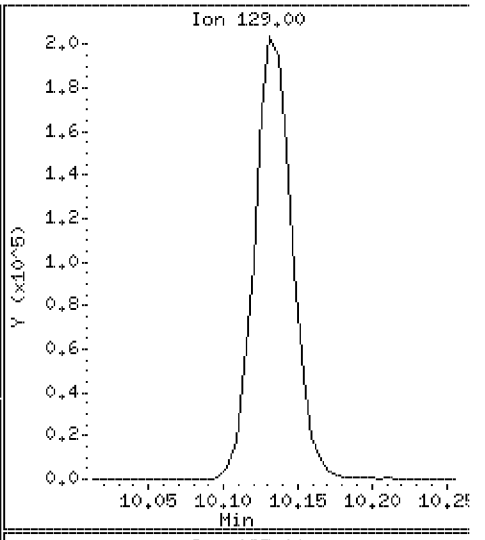
60 Dibromochloromethane Concentration: 54.7 ug/l

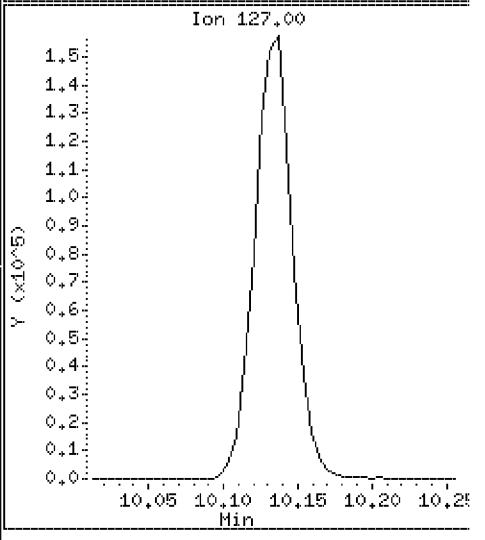












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Date : 14-JUN-2007 06:20

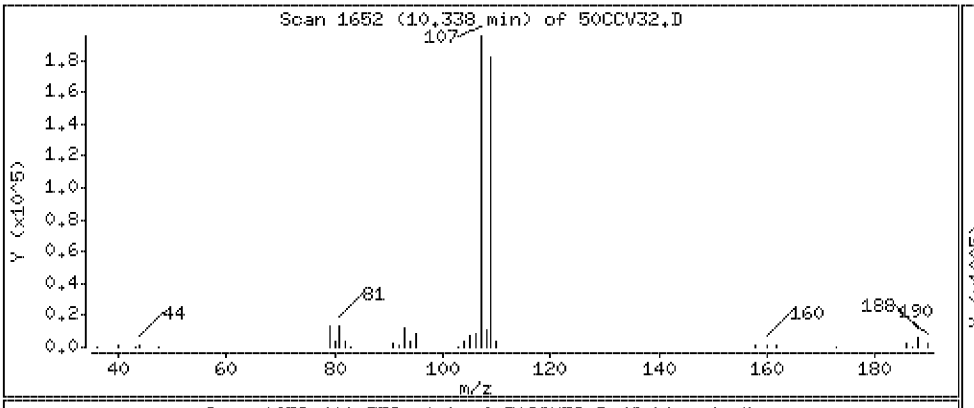
Client ID: 061407CCVA32 Instrument: vms03.i

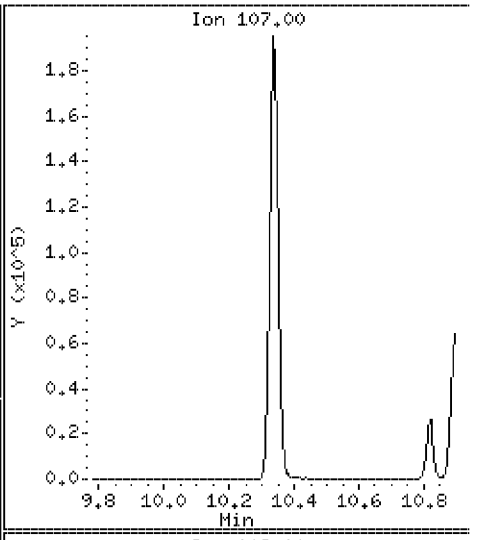
Sample Info: 061407CCV2A32

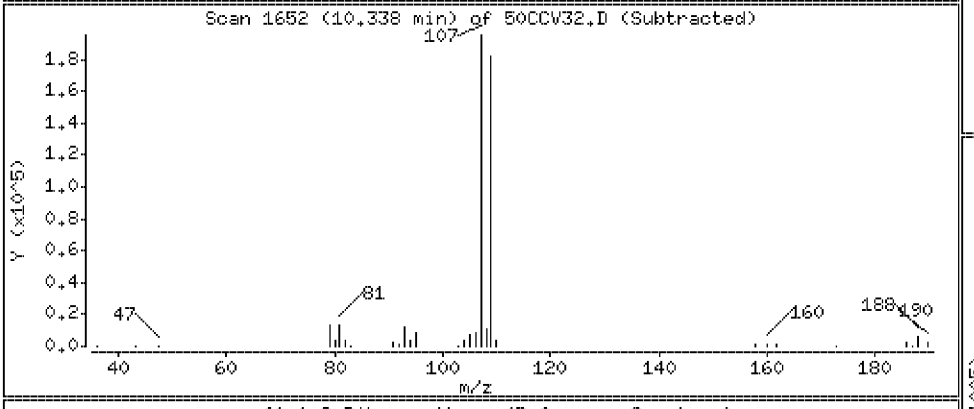
Purge Volume: 5.0 Operator:

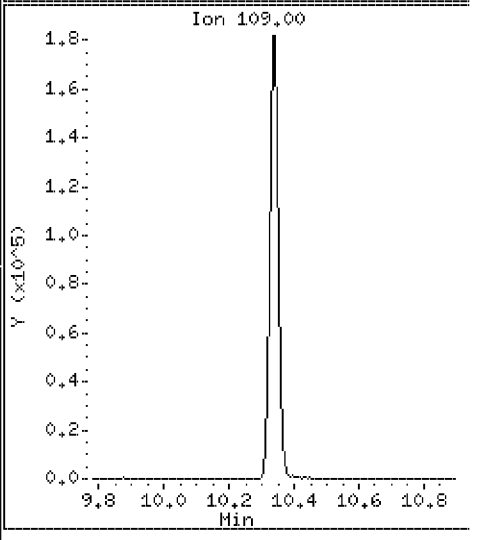
Column phase: DB-624 Column diameter: 0.18

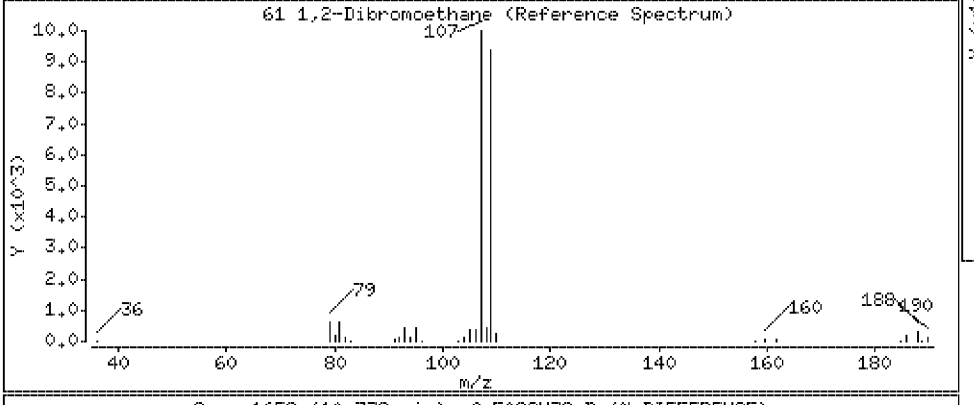
61 1,2-Dibromoethane Concentration: 49.5 ug/l

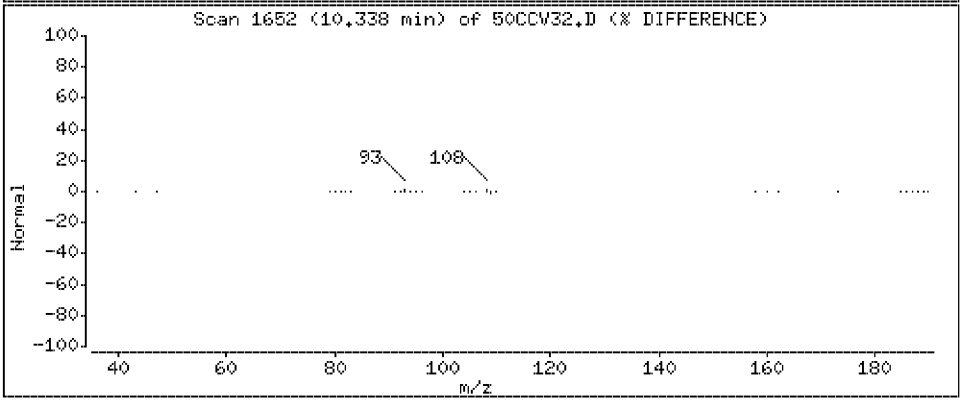












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

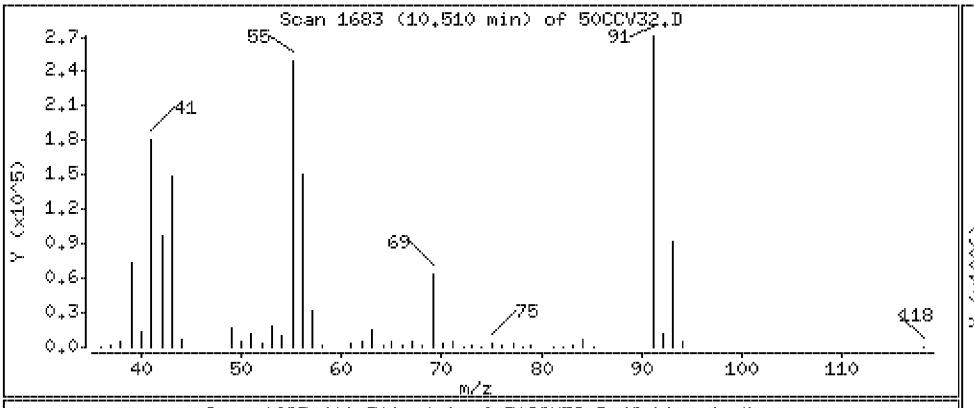
Client ID: 061407CCVA32 | Instrument: vms03.i

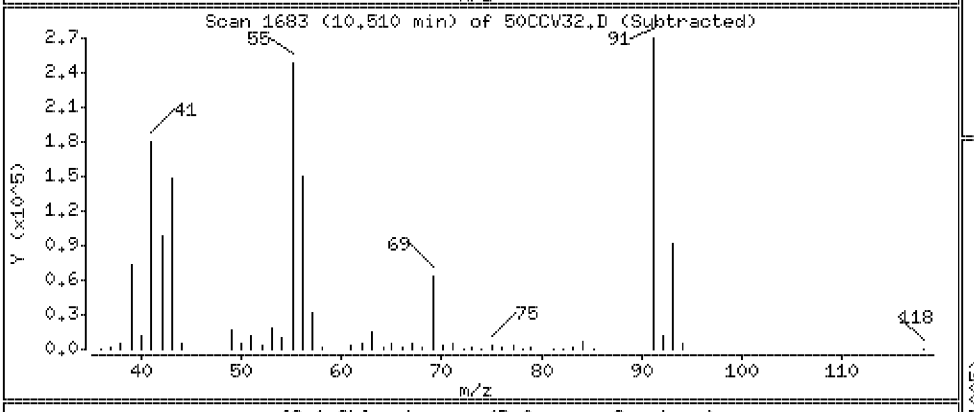
Sample Info: 061407CCV2A32

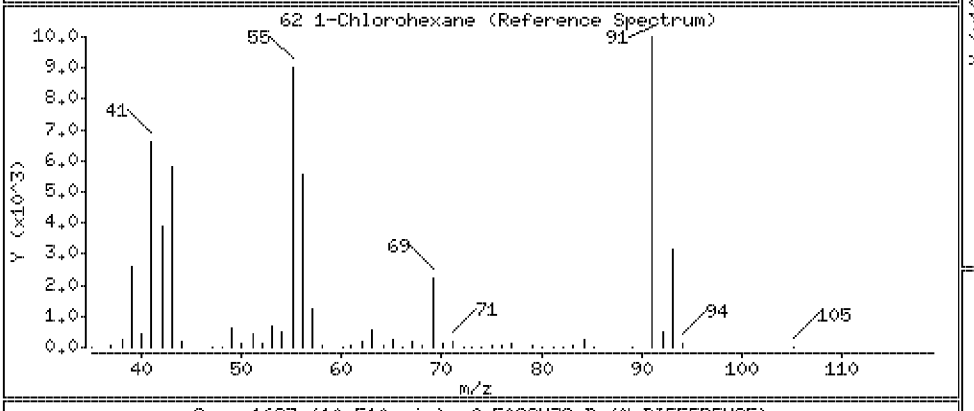
Purge Volume: 5.0 | Operator:

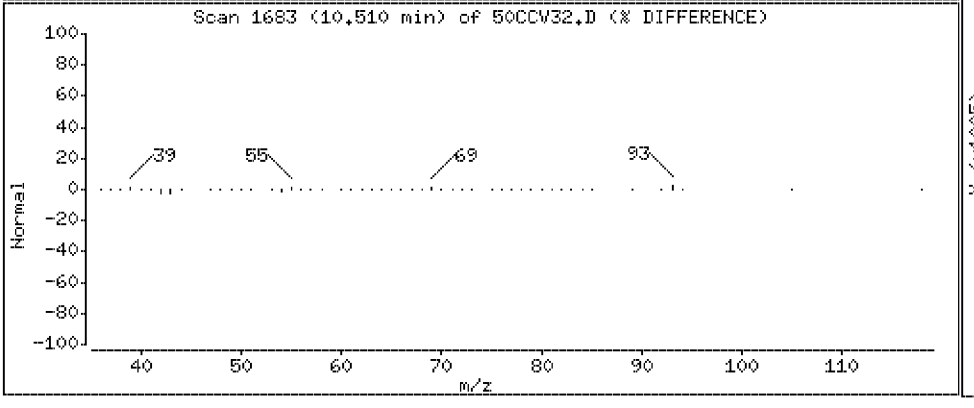
Column phase: DB-624 | Column diameter: 0.18

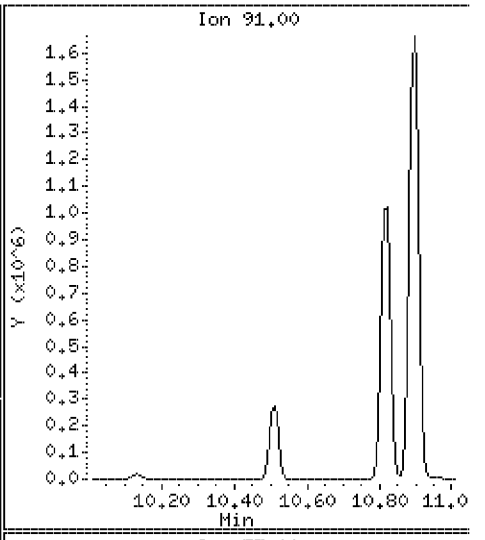
62 1-Chlorohexane | Concentration: 52.5 ug/l

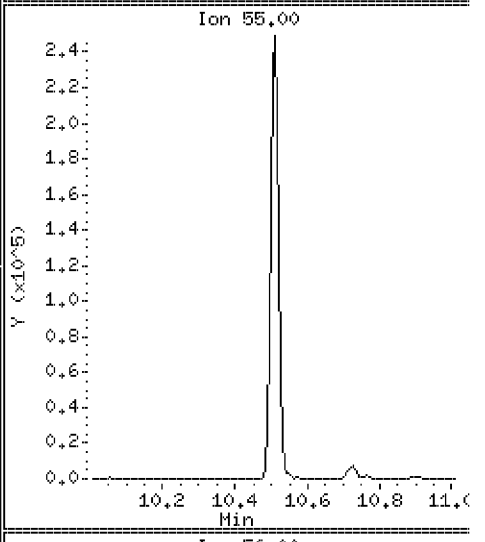


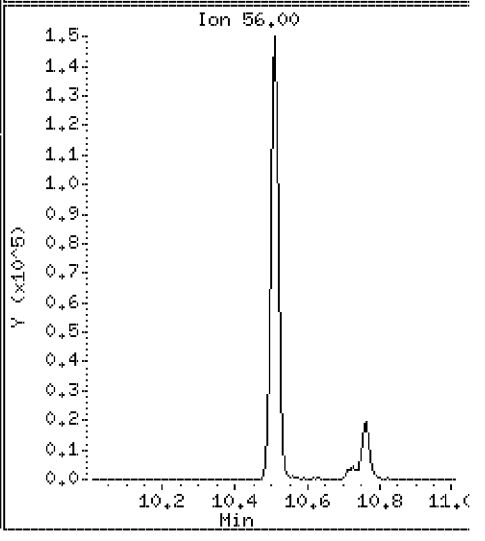












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

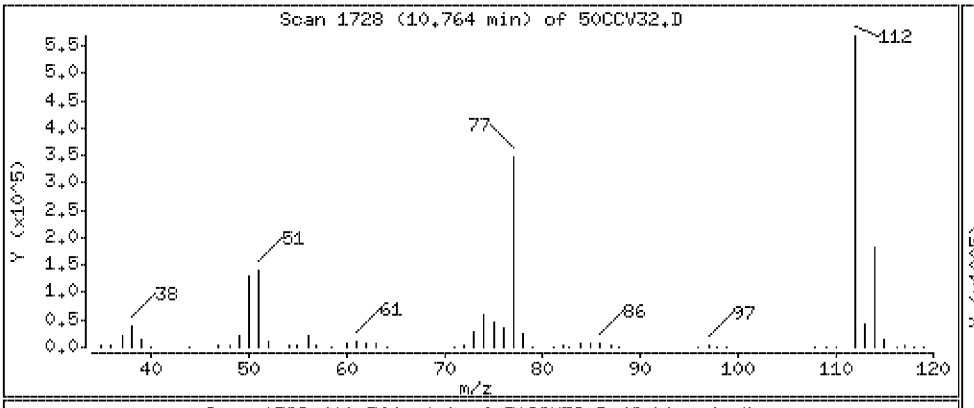
Client ID: 061407CCVA32 Instrument: vms03.i

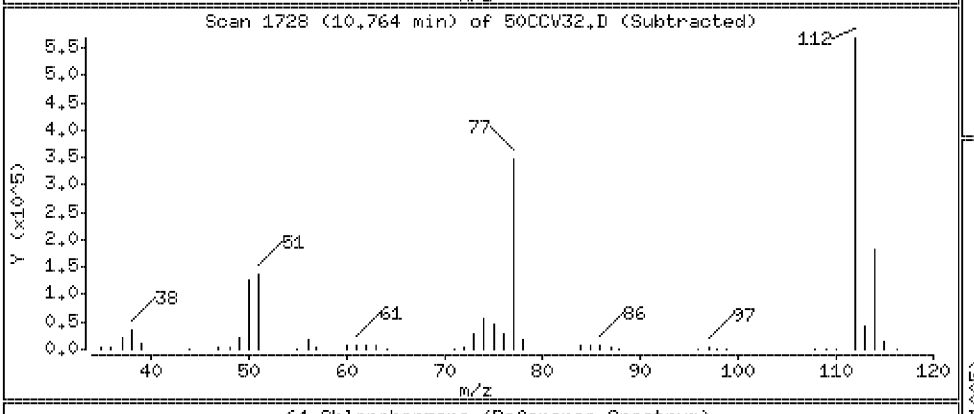
Sample Info: 061407CCV2A32

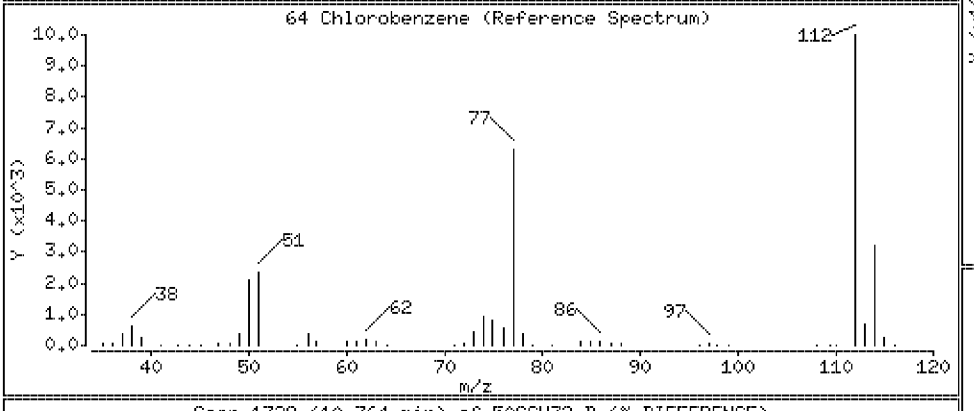
Purge Volume: 5.0 Operator:

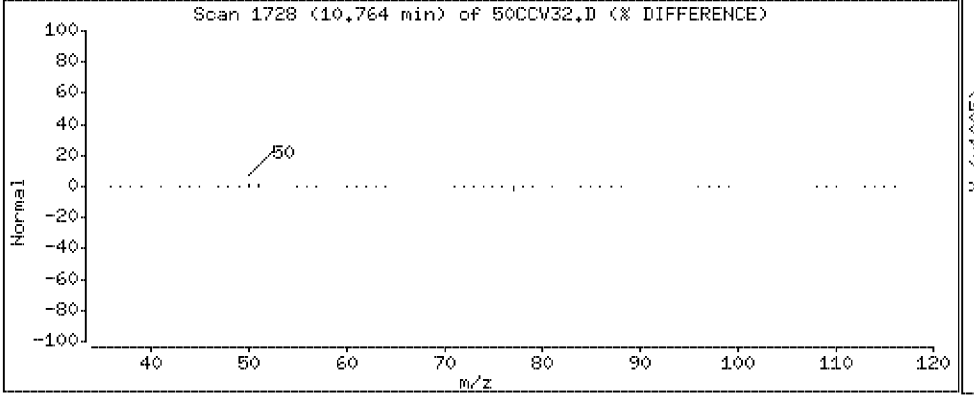
Column phase: DB-624 Column diameter: 0.18

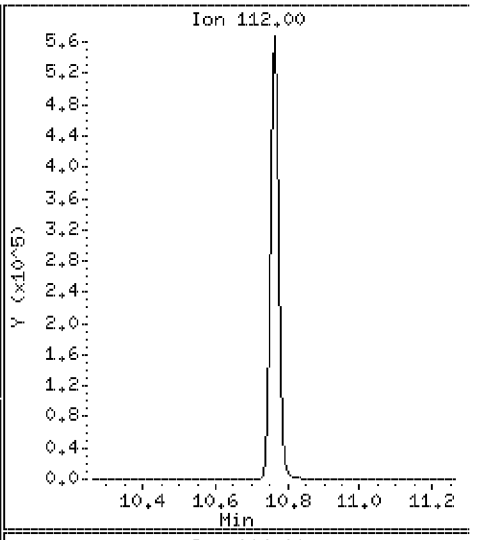
64 Chlorobenzene Concentration: 49.4 ug/l

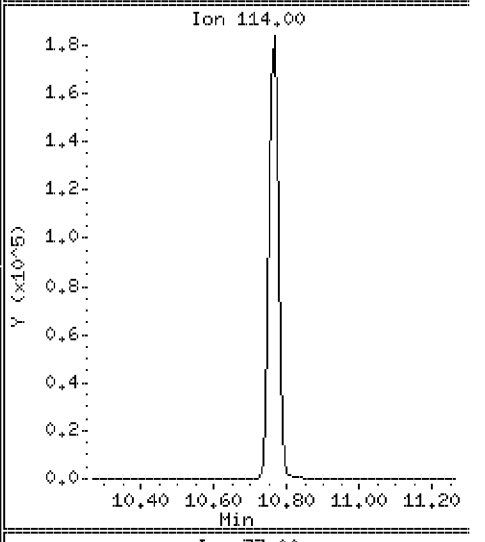


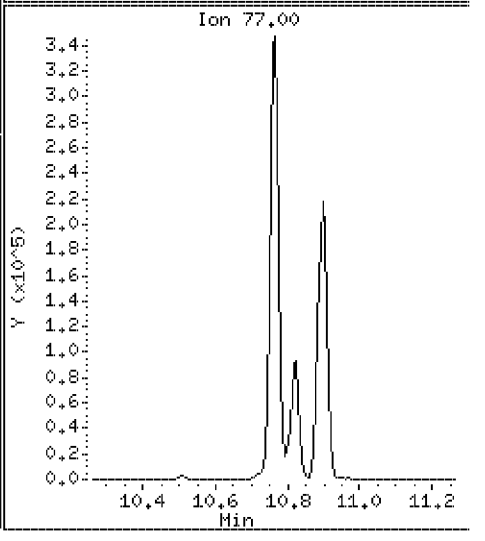












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

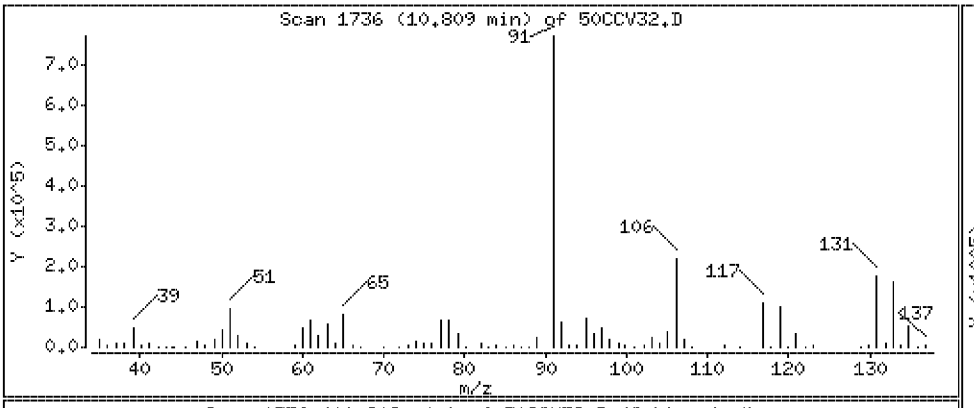
Client ID: 061407CCVA32 Instrument: vms03.i

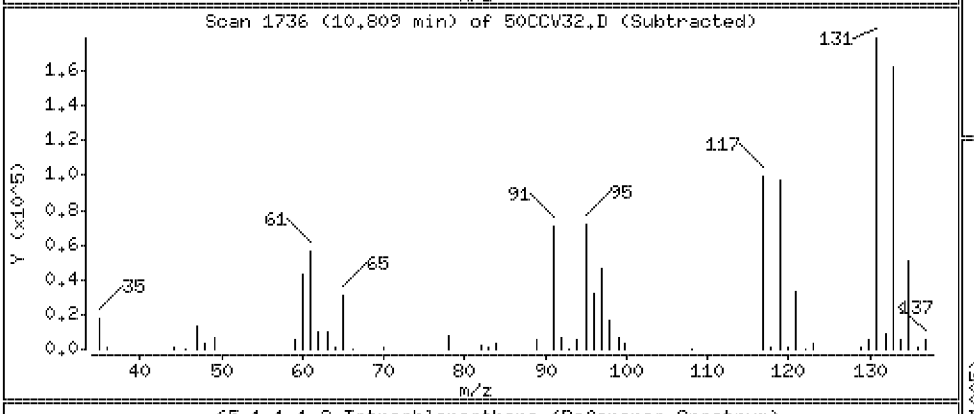
Sample Info: 061407CCV2A32

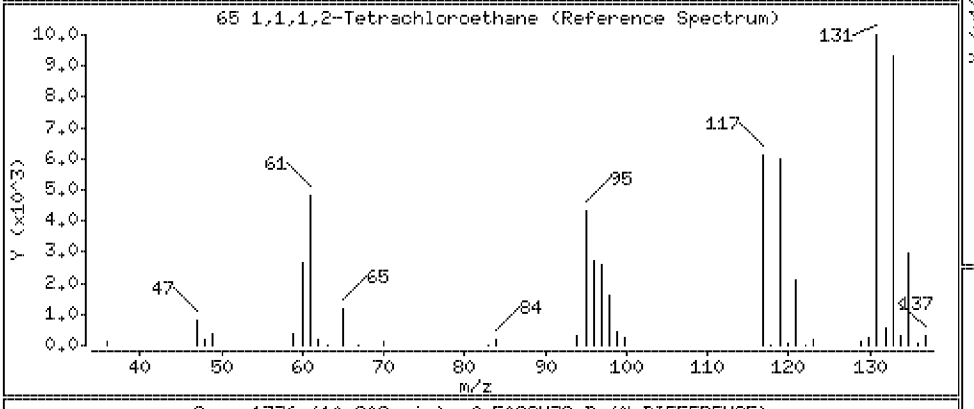
Purge Volume: 5.0 Operator:

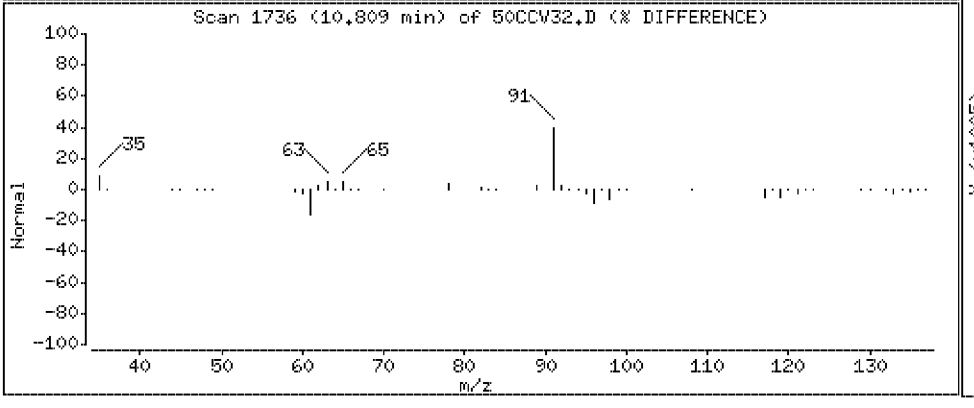
Column phase: DB-624 Column diameter: 0.18

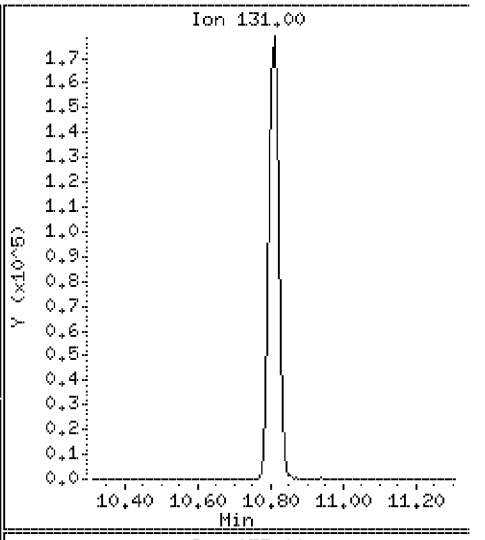
65 1,1,1,2-Tetrachloroethane Concentration: 55.4 ug/l

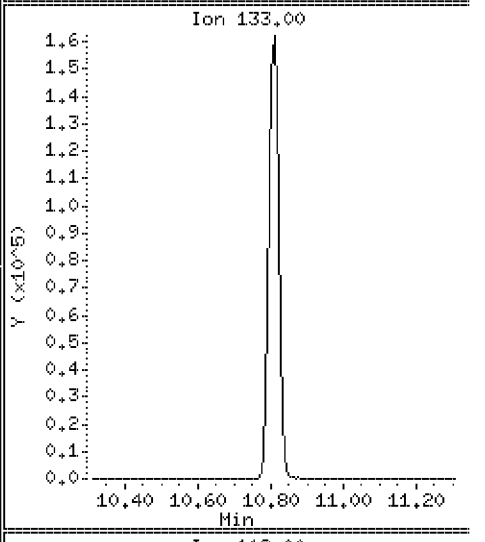


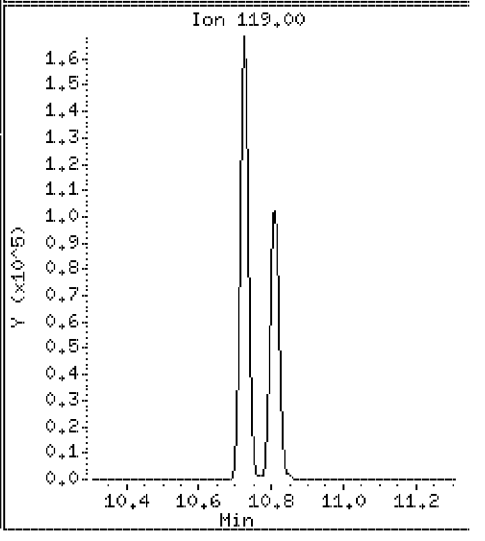












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

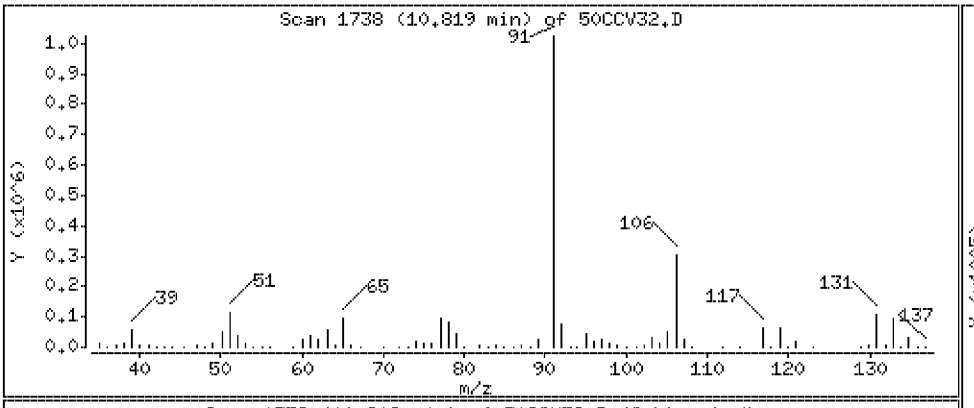
Client ID: 061407CCVA32 Instrument: vms03.i

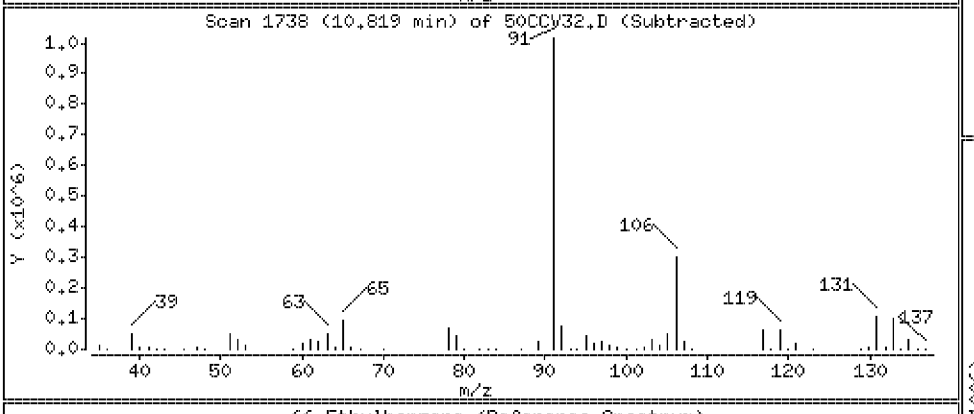
Sample Info: 061407CCV2A32

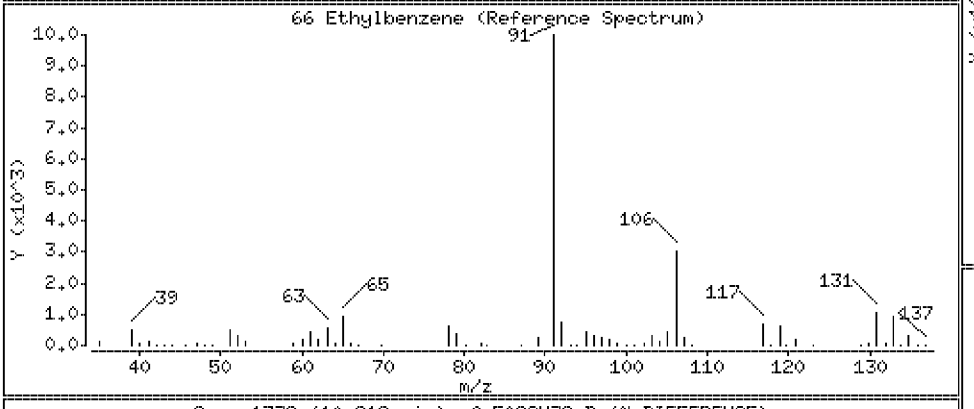
Purge Volume: 5.0 Operator:

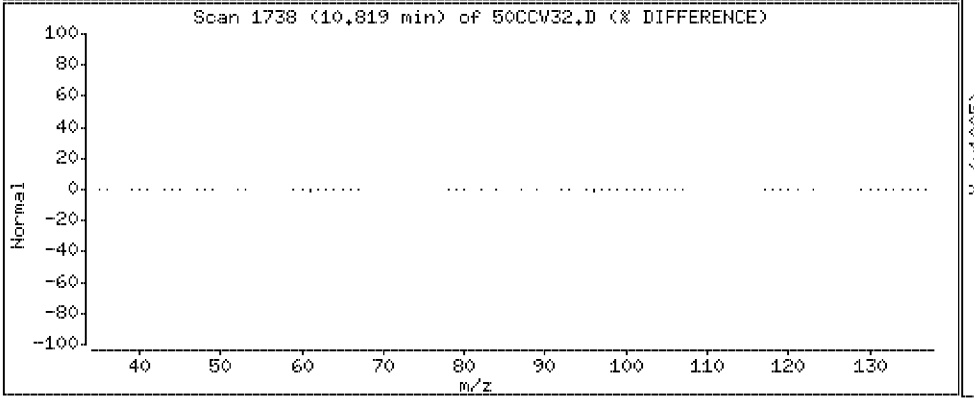
Column phase: DB-624 Column diameter: 0.18

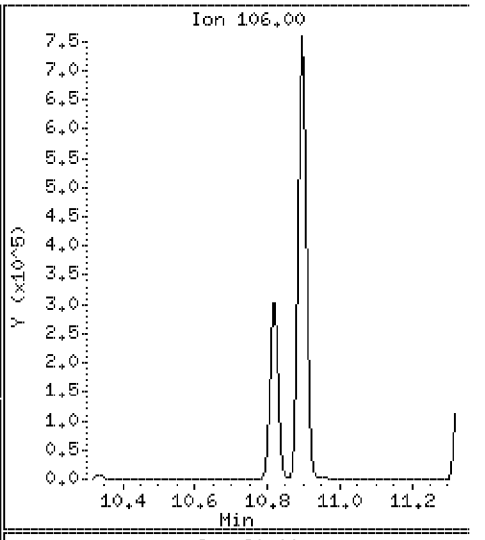
66 Ethylbenzene Concentration: 50.4 ug/l

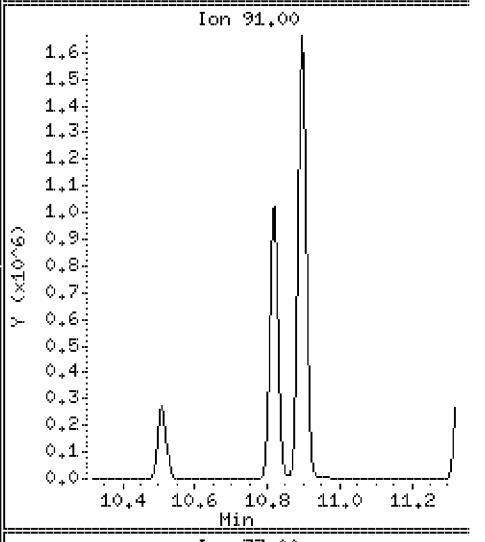


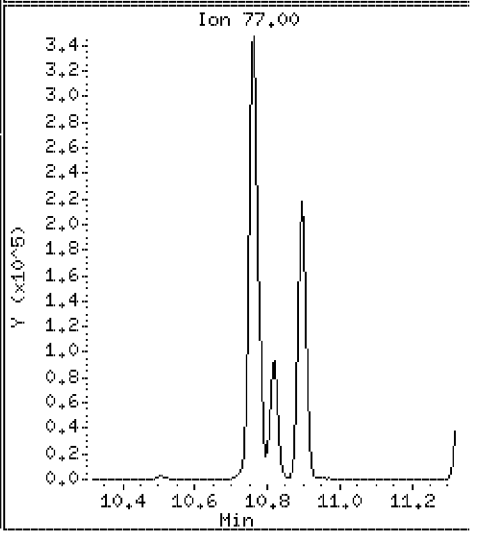












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

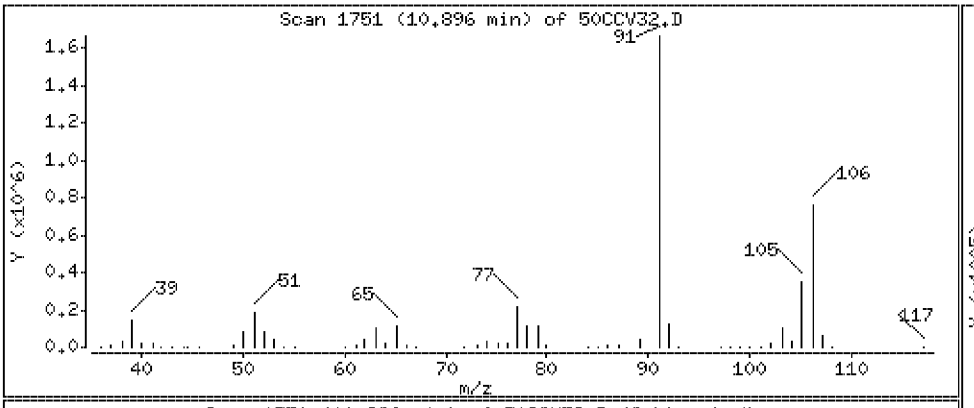
Client ID: 061407CCVA32 Instrument: vms03.i

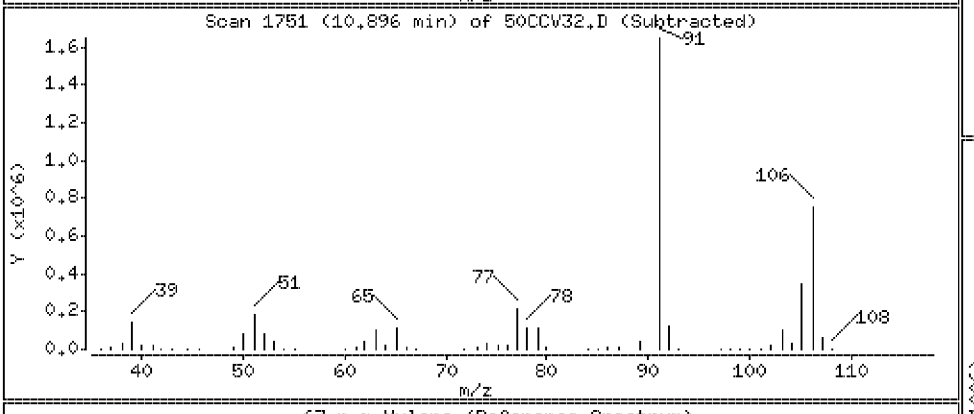
Sample Info: 061407CCV2A32

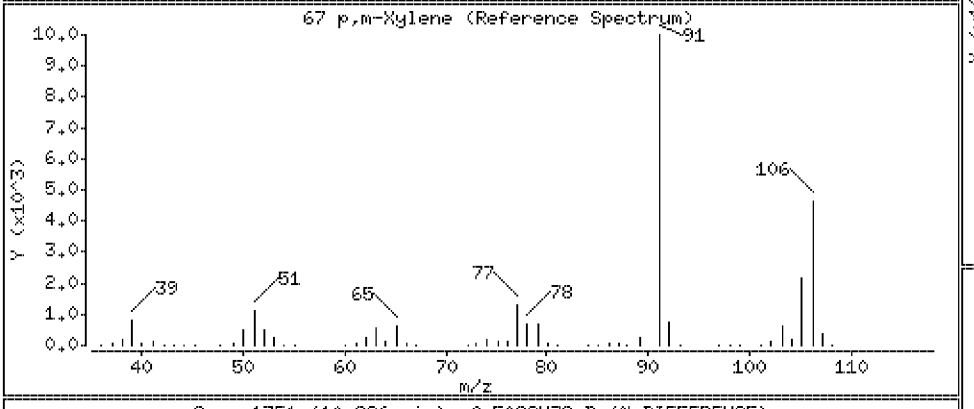
Purge Volume: 5.0 Operator:

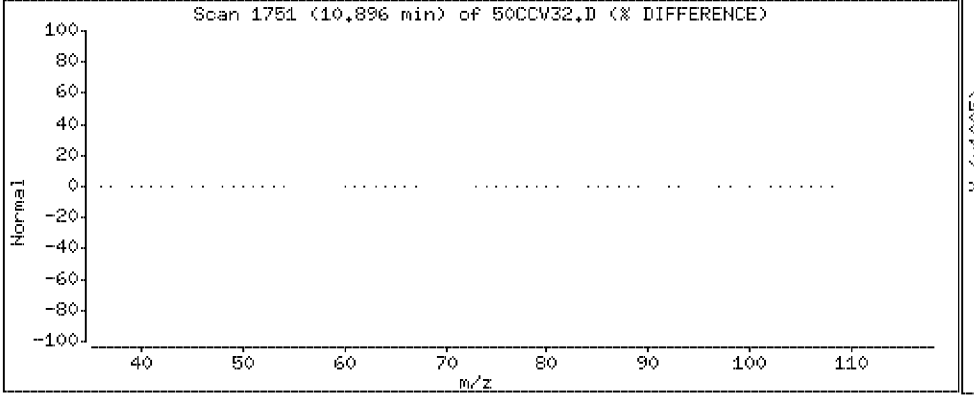
Column phase: DB-624 Column diameter: 0.18

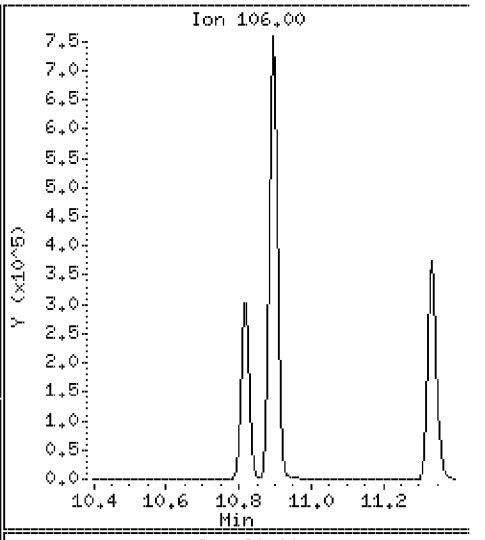
67 p,m-Xylene Concentration: 98.3 ug/l

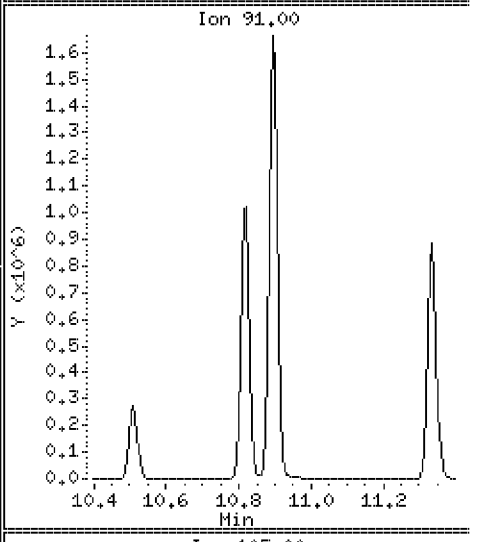


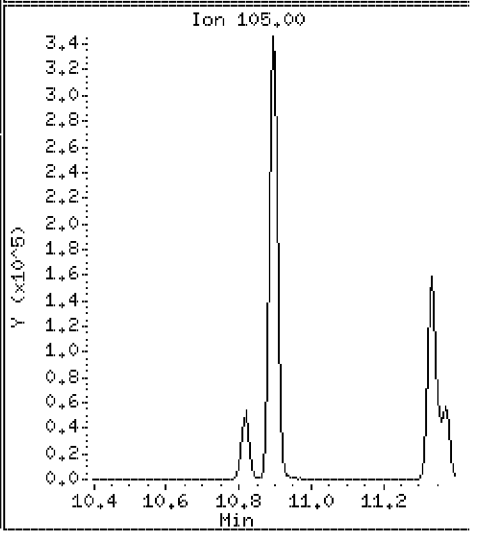












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

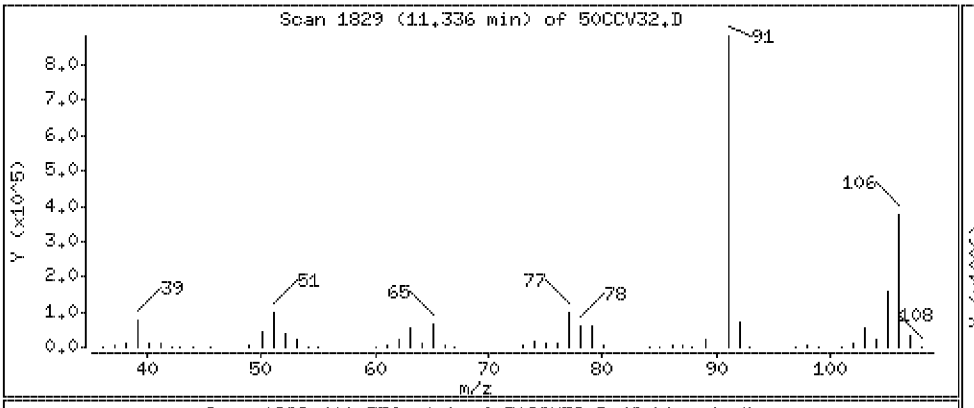
Client ID: 061407CCVA32 Instrument: vms03.i

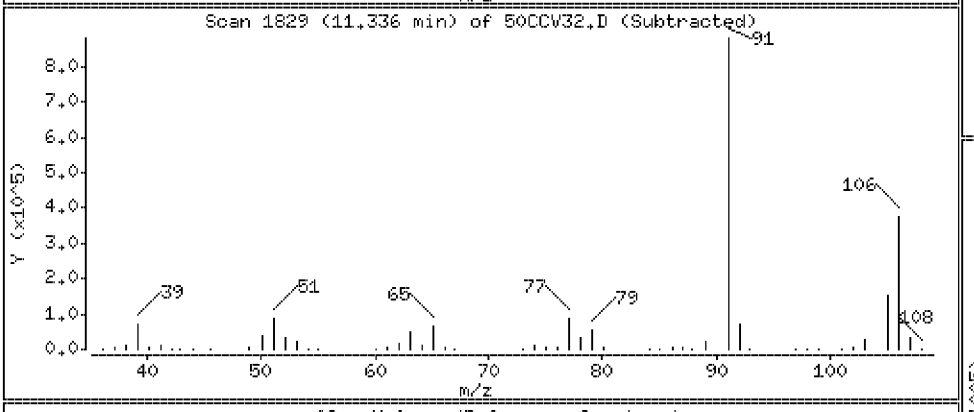
Sample Info: 061407CCV2A32

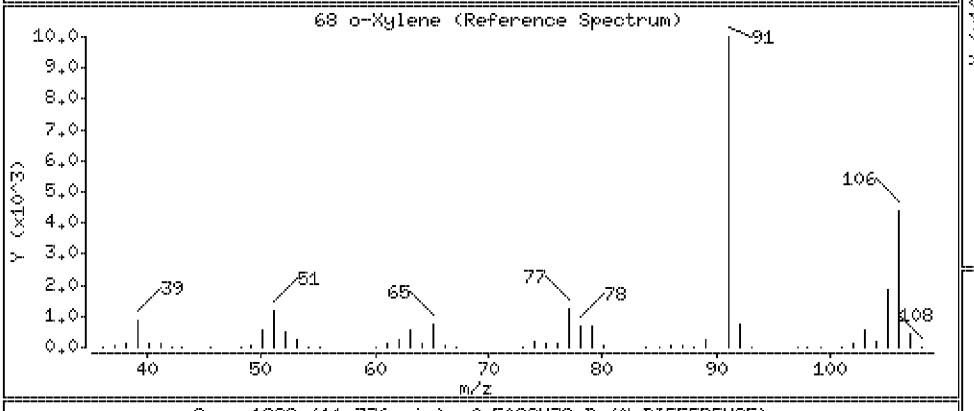
Purge Volume: 5.0 Operator:

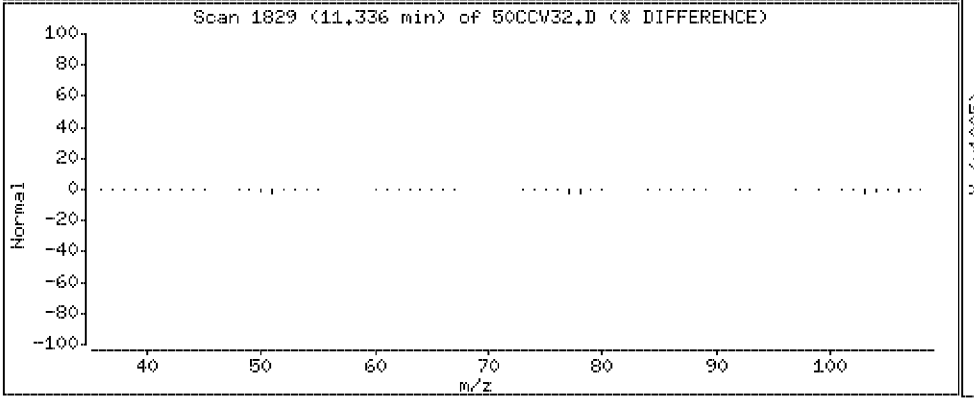
Column phase: DB-624 Column diameter: 0.18

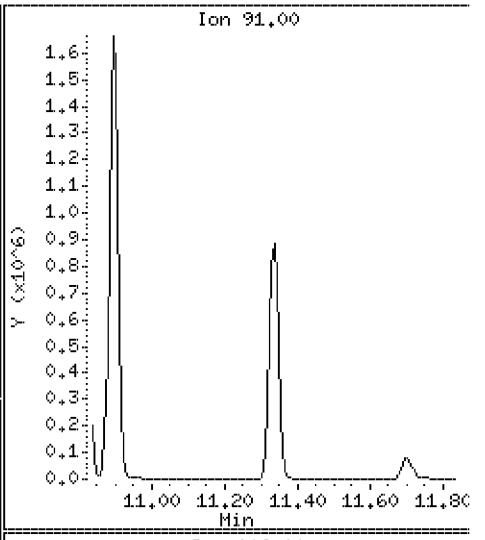
68 o-Xylene Concentration: 48.2 ug/l

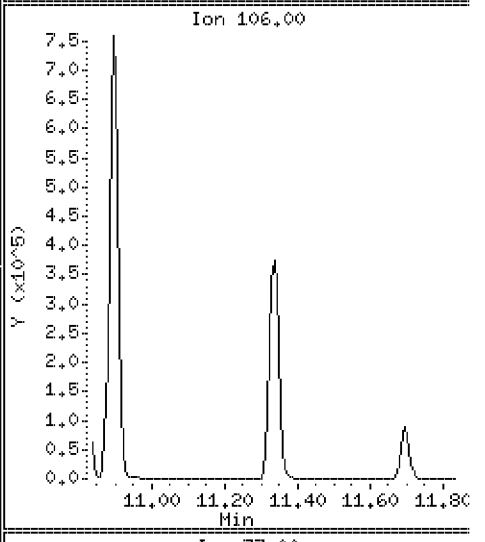


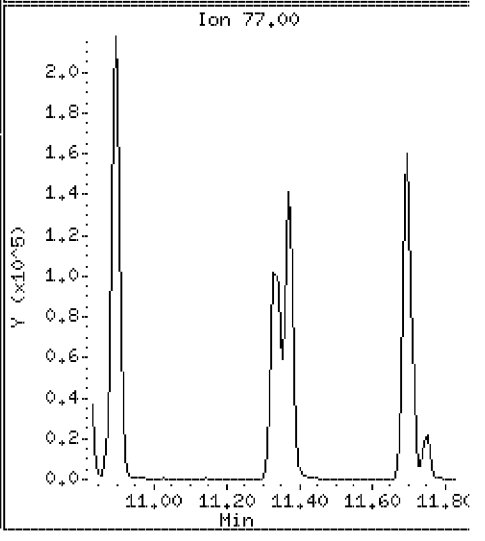












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

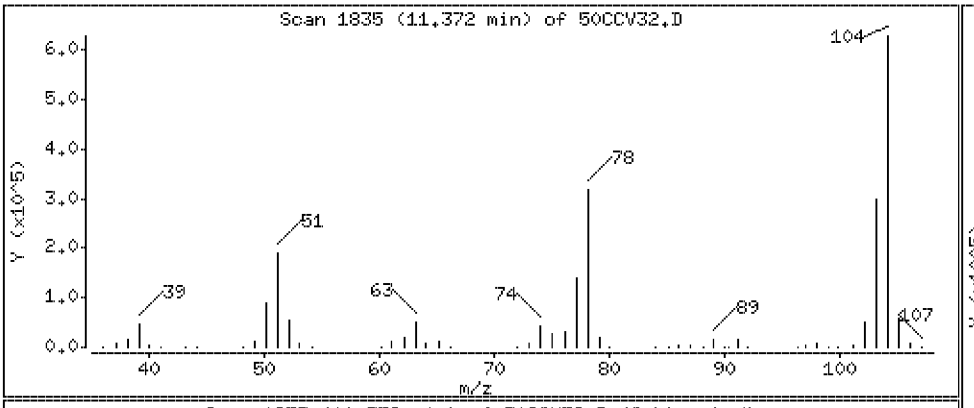
Client ID: 061407CCVA32 Instrument: vms03.i

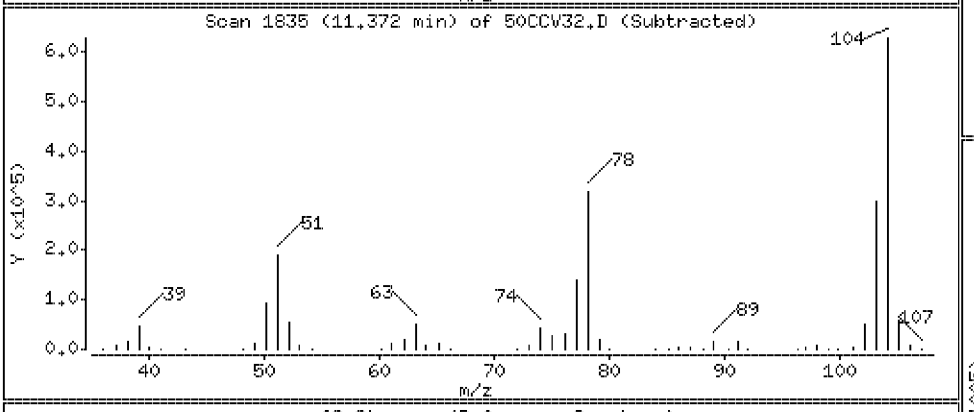
Sample Info: 061407CCV2A32

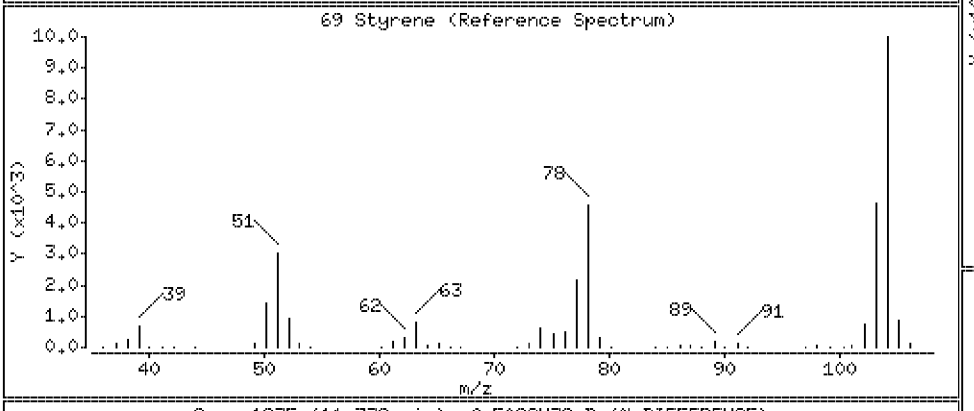
Purge Volume: 5.0 Operator:

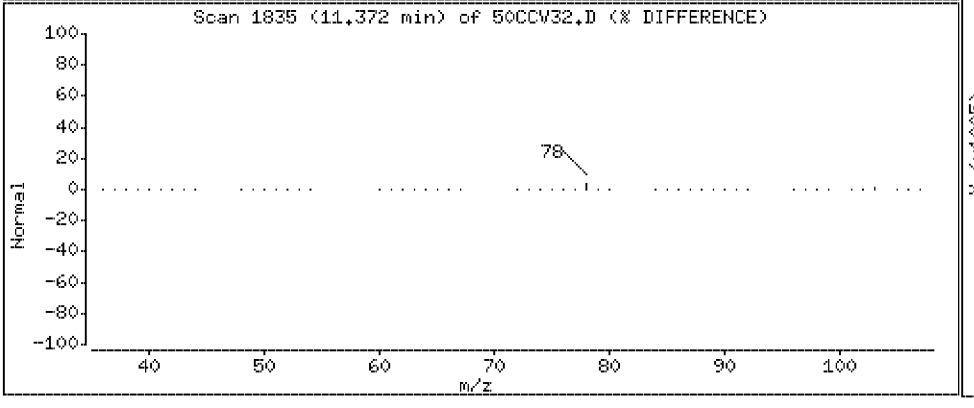
Column phase: DB-624 Column diameter: 0.18

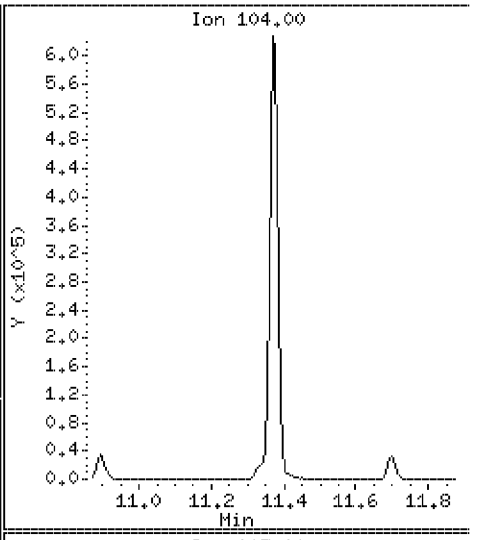
69 Styrene Concentration: 49.9 ug/l

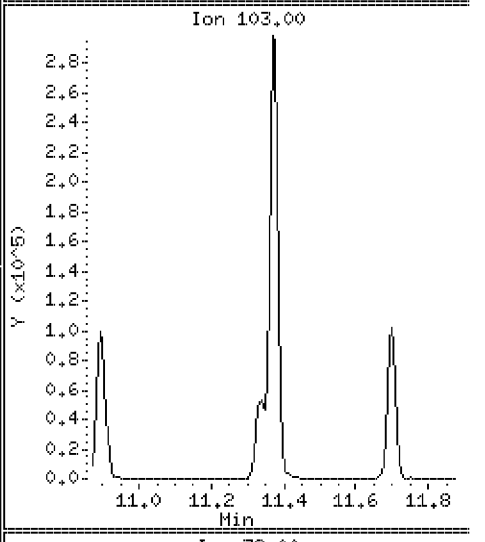


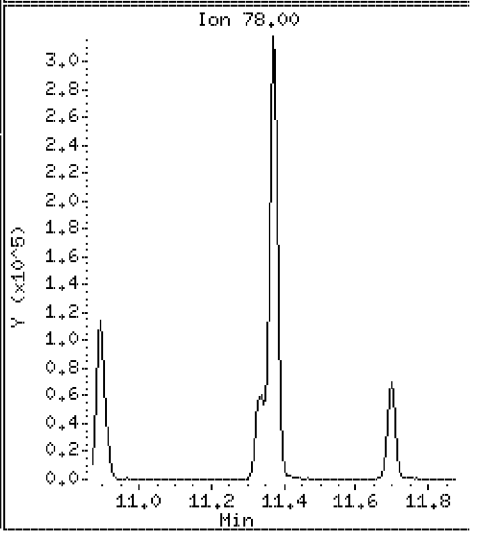












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

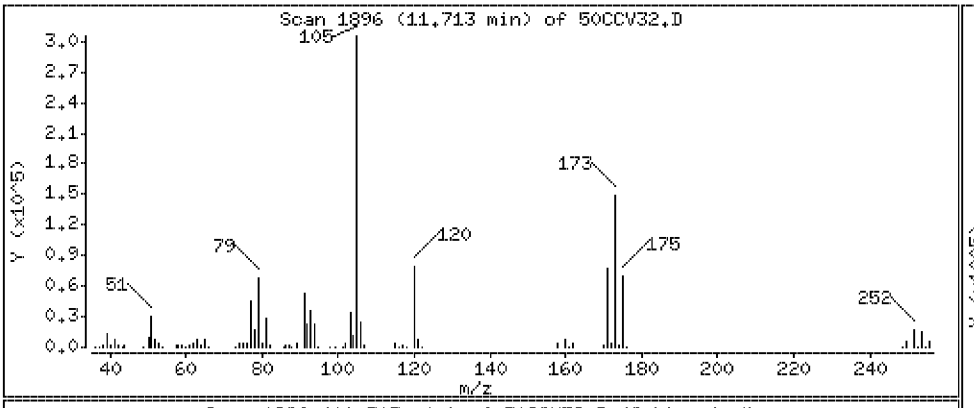
Client ID: 061407CCVA32 Instrument: vms03.i

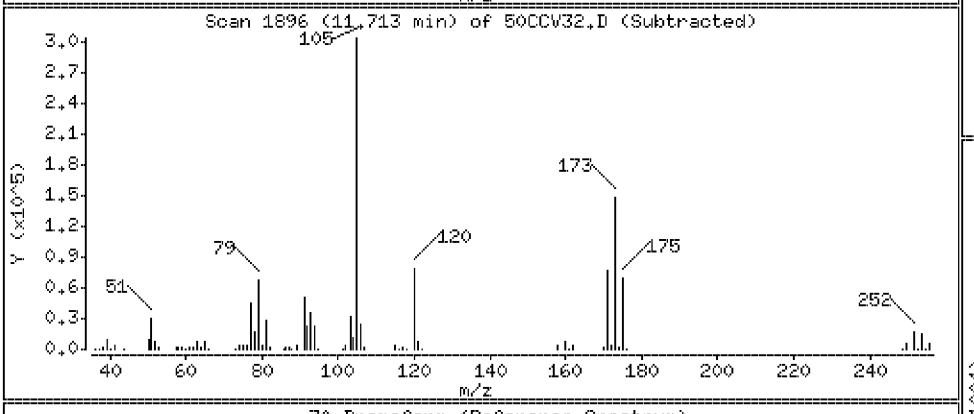
Sample Info: 061407CCV2A32

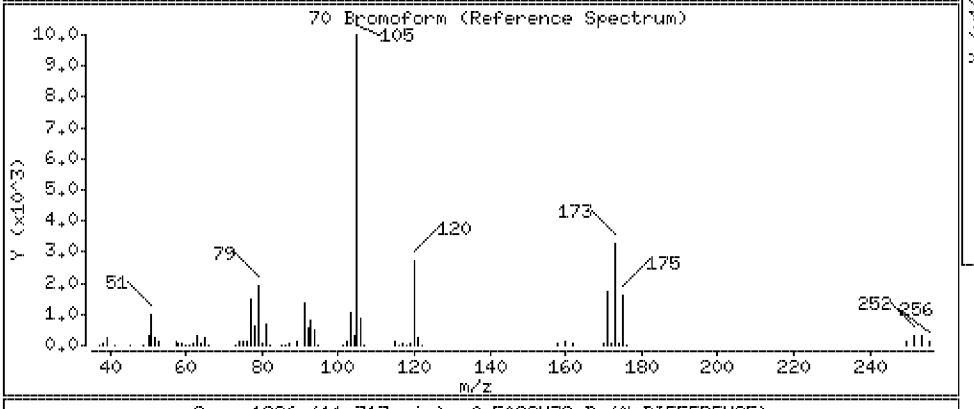
Purge Volume: 5.0 Operator:

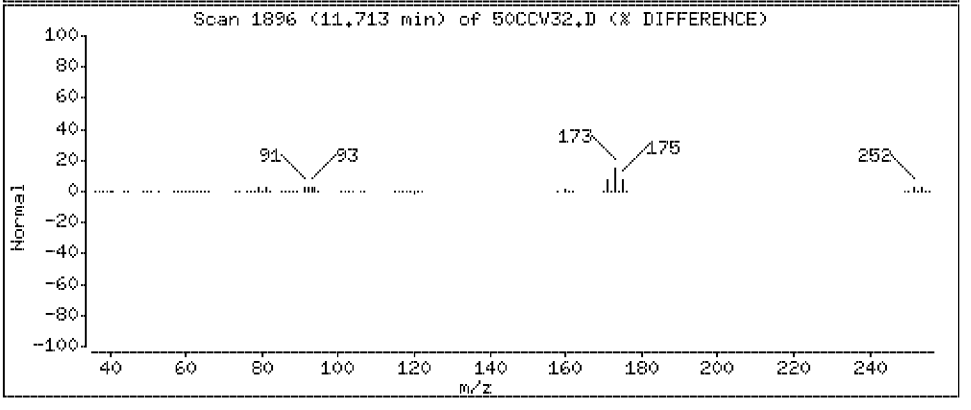
Column phase: DB-624 Column diameter: 0.18

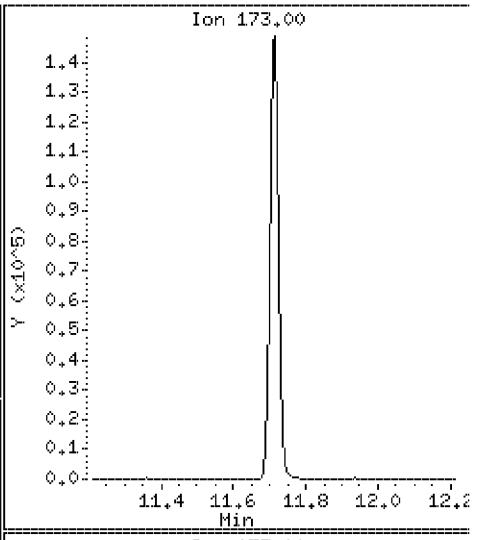
70 Bromoform Concentration: 51.8 ug/l

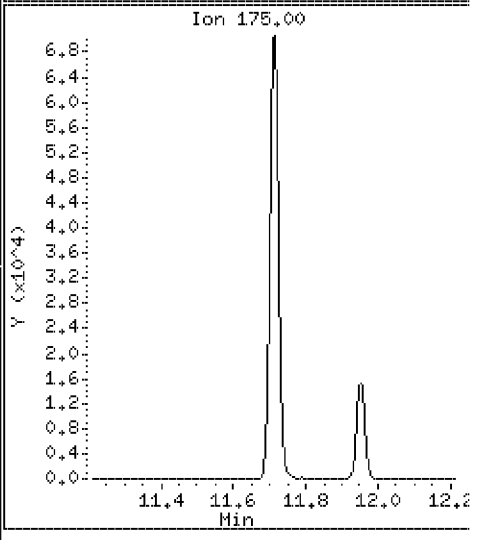












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

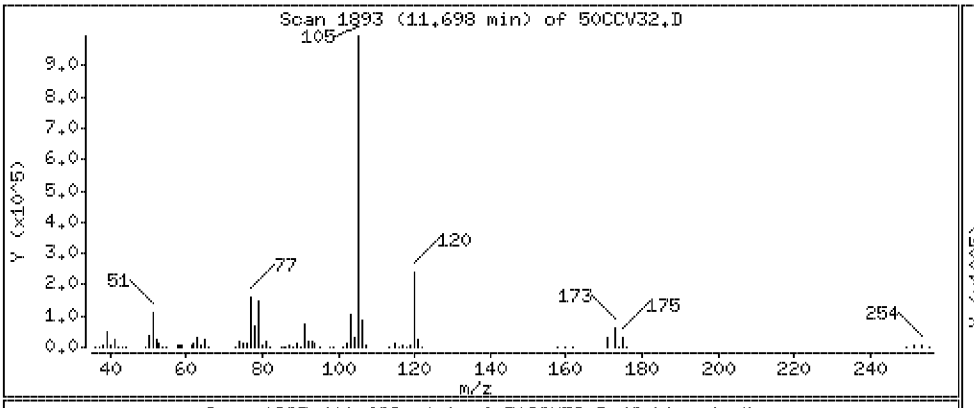
Client ID: 061407CCVA32 Instrument: vms03.i

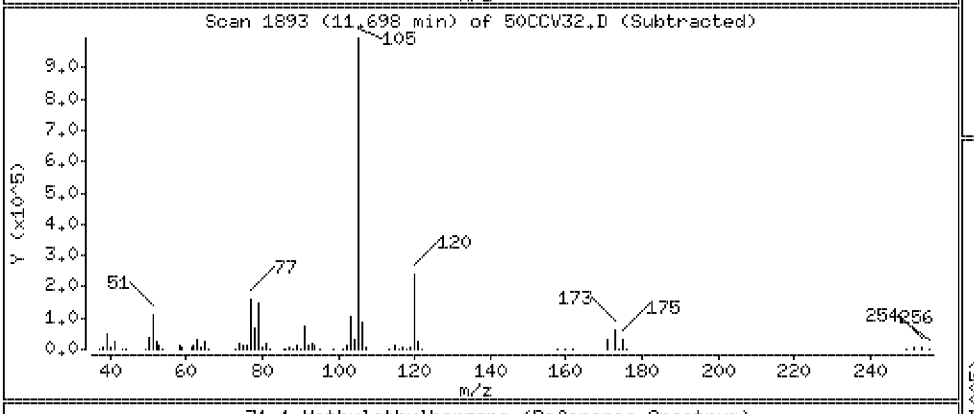
Sample Info: 061407CCV2A32

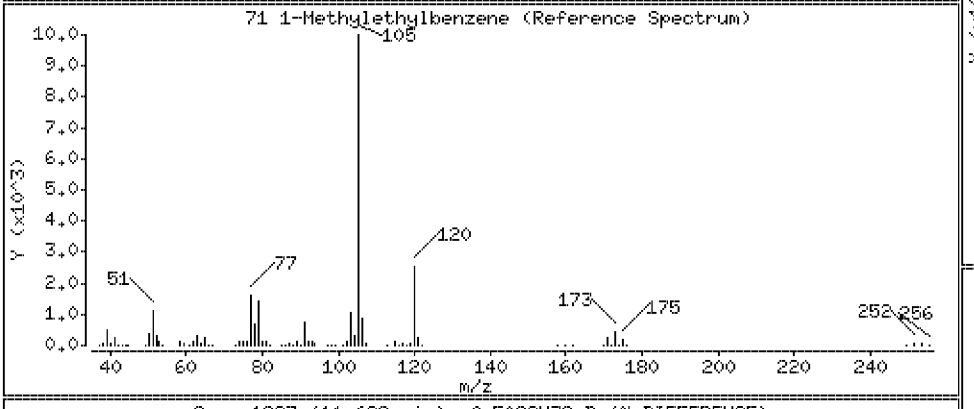
Purge Volume: 5.0 Operator:

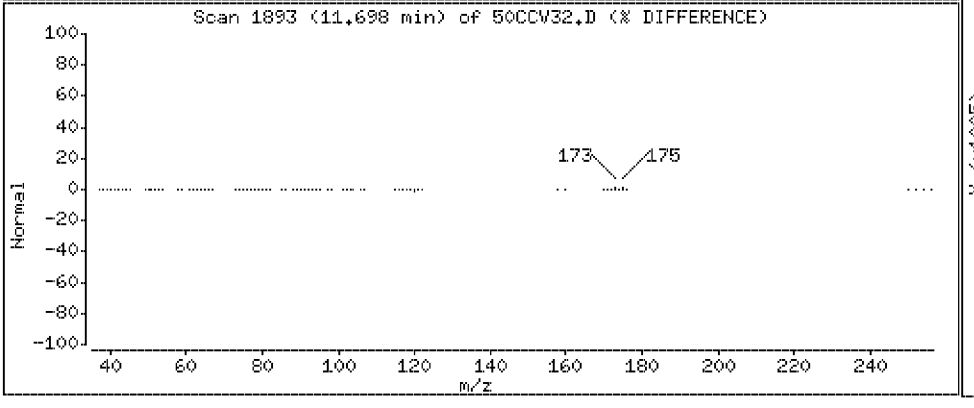
Column phase: DB-624 Column diameter: 0.18

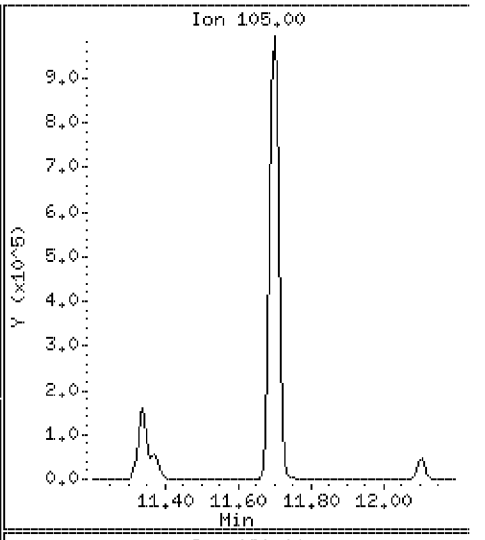
71 1-Methylethylbenzene Concentration: 49.4 ug/l

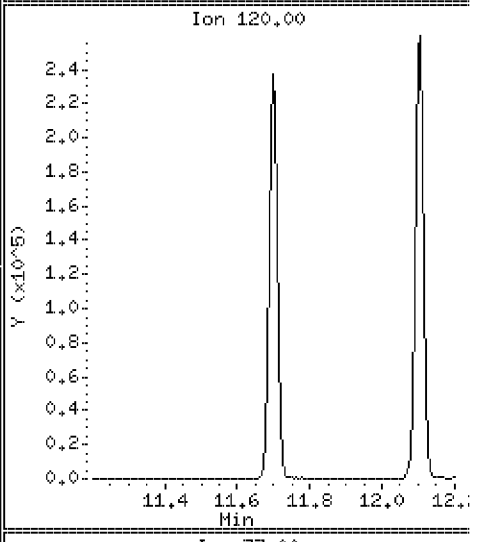


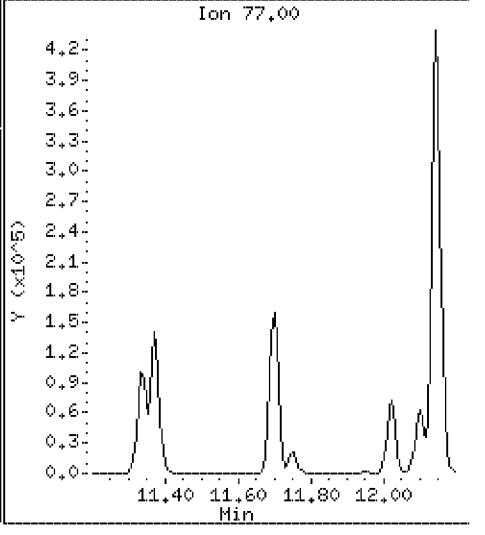












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

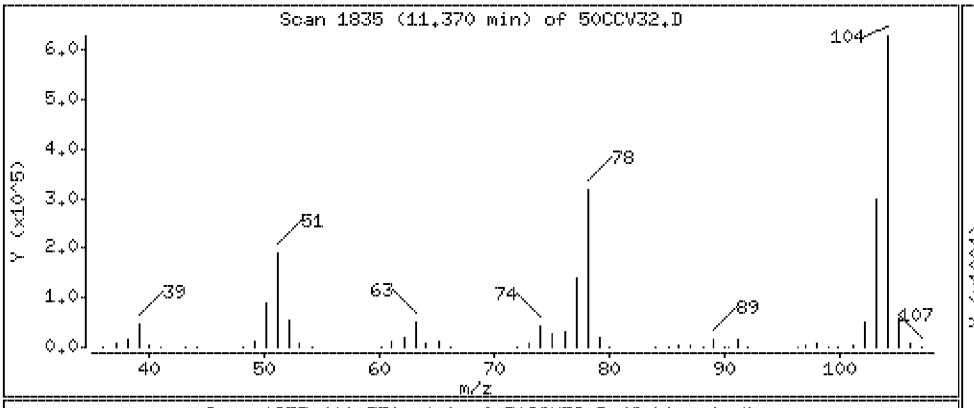
Client ID: 061407CCVA32 Instrument: vms03.i

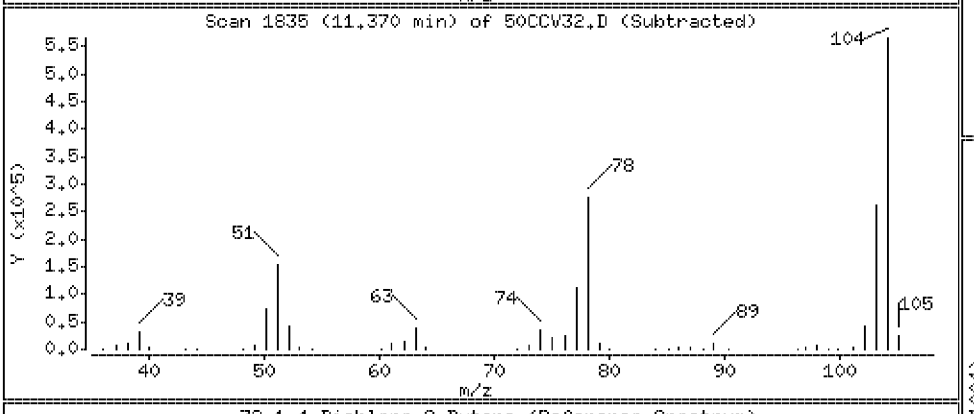
Sample Info: 061407CCV2A32

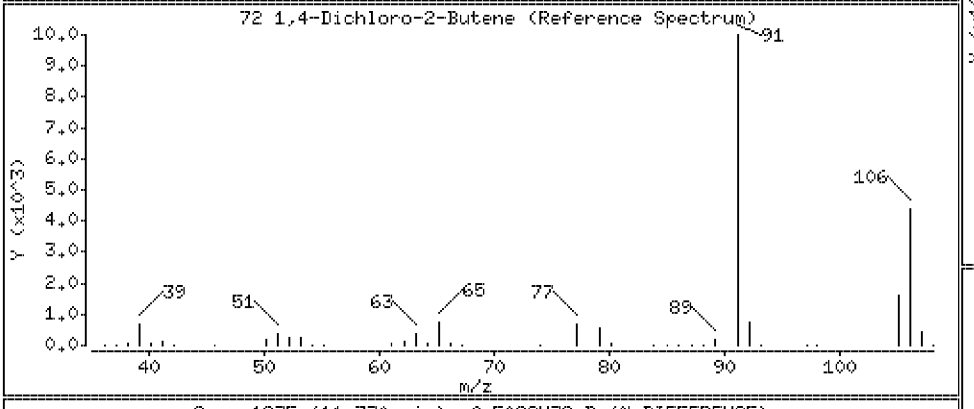
Purge Volume: 5.0 Operator:

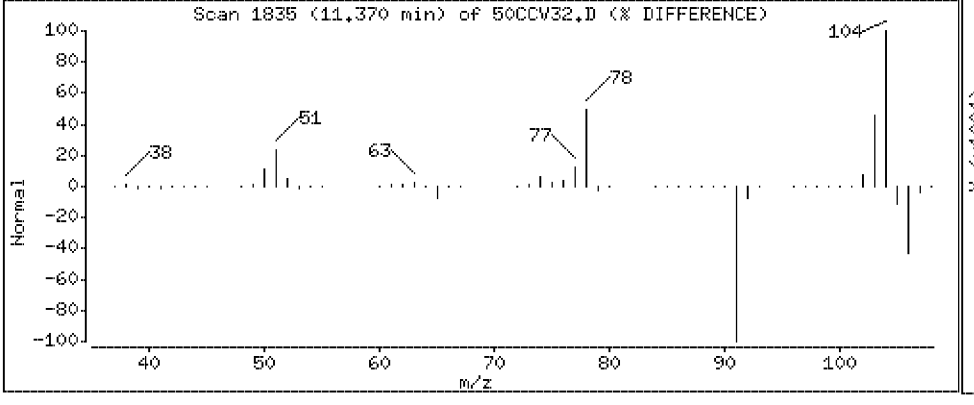
Column phase: DB-624 Column diameter: 0.18

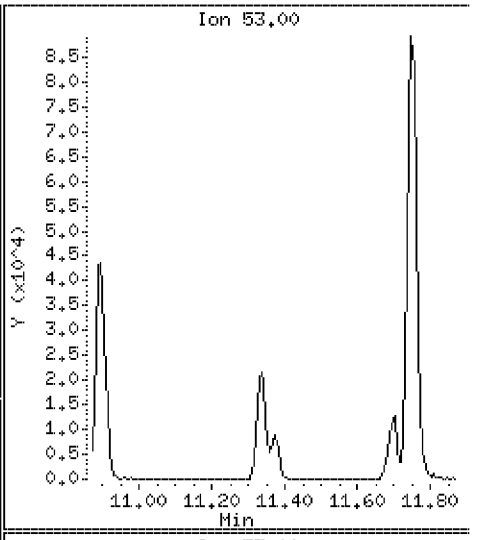
72 1,4-Dichloro-2-Butene Concentration: 107 ug/l

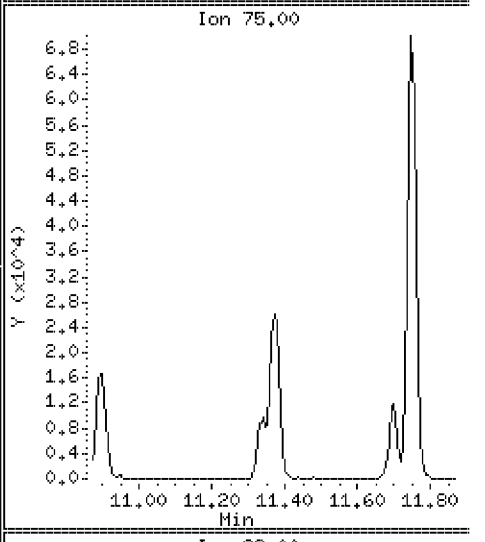


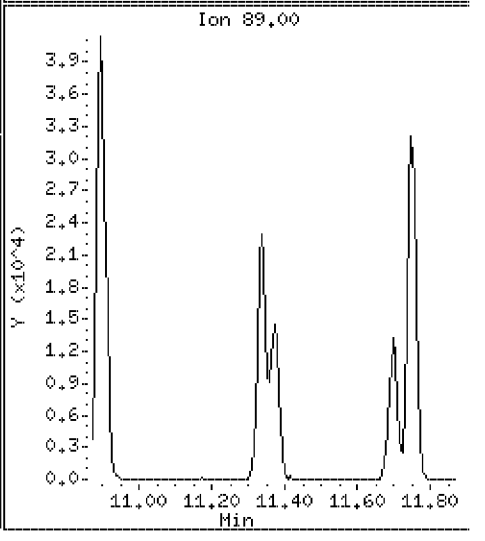












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

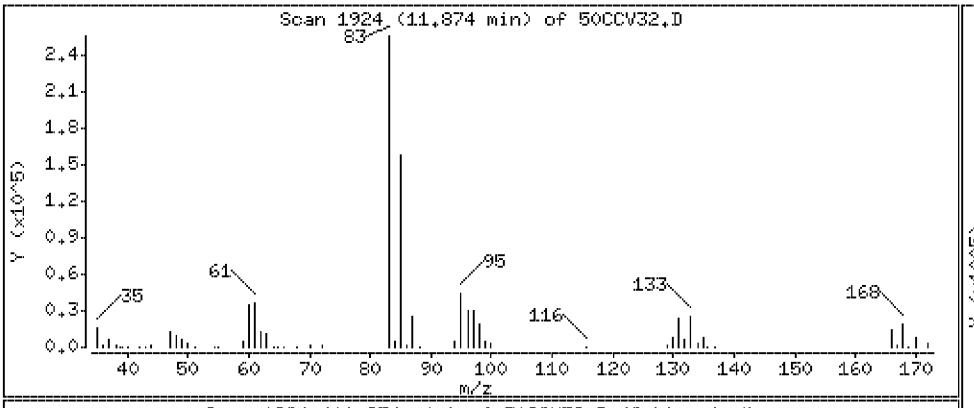
Client ID: 061407CCVA32 Instrument: vms03.i

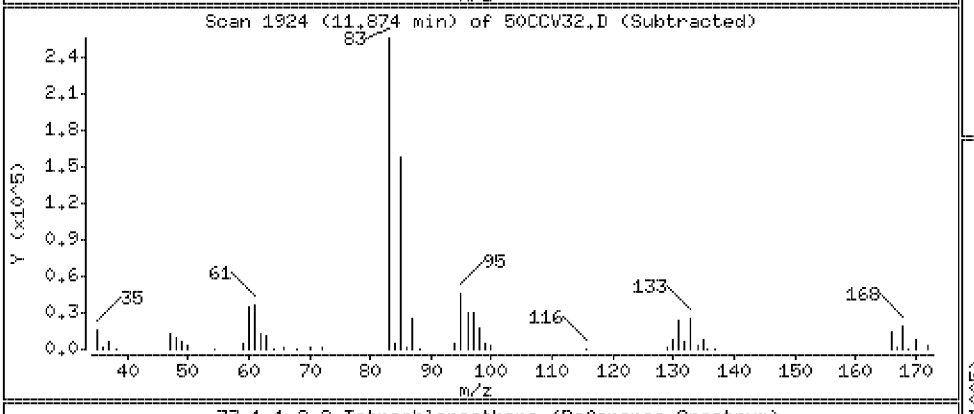
Sample Info: 061407CCV2A32

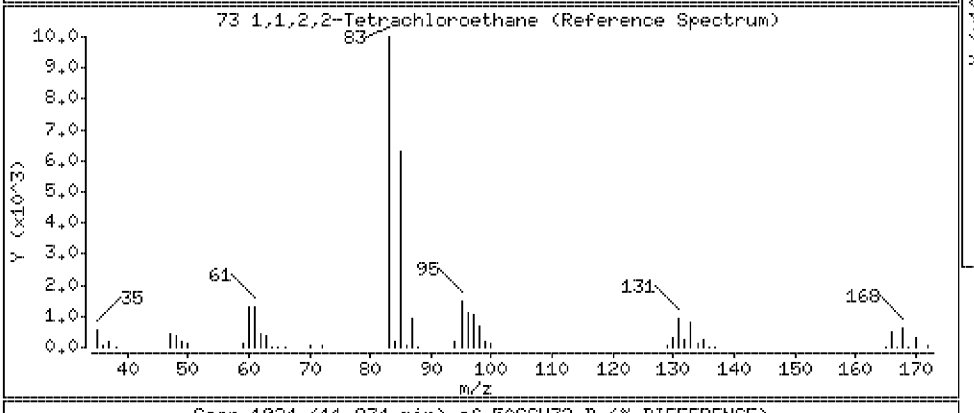
Purge Volume: 5.0 Operator:

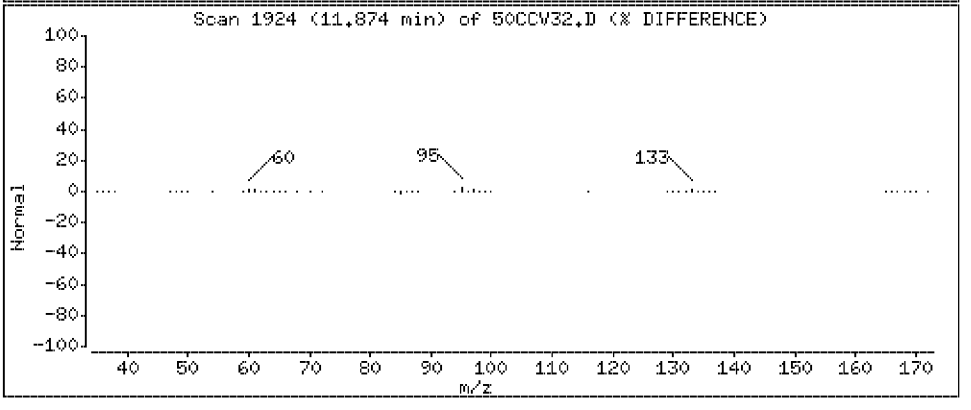
Column phase: DB-624 Column diameter: 0.18

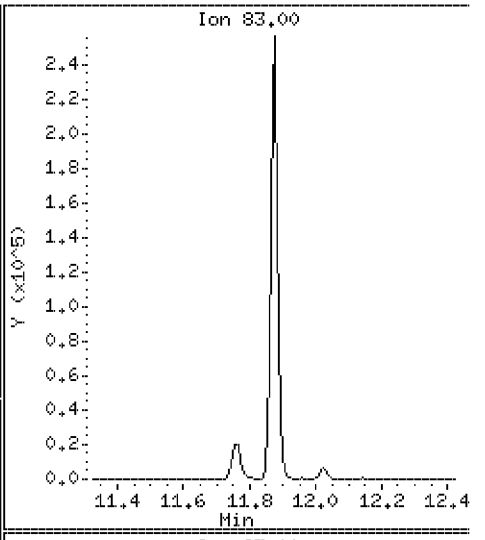
73 1,1,2,2-Tetrachloroethane Concentration: 48.4 ug/l

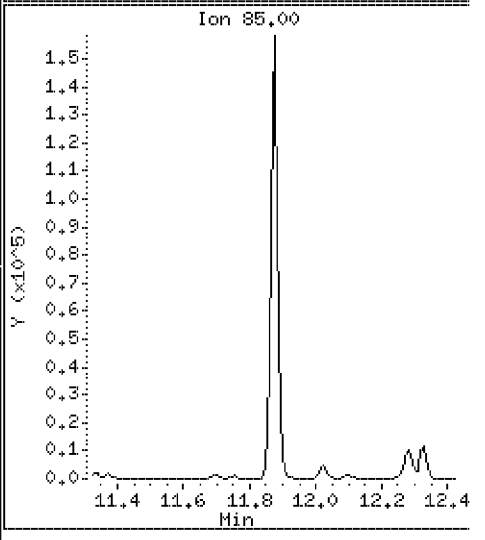












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

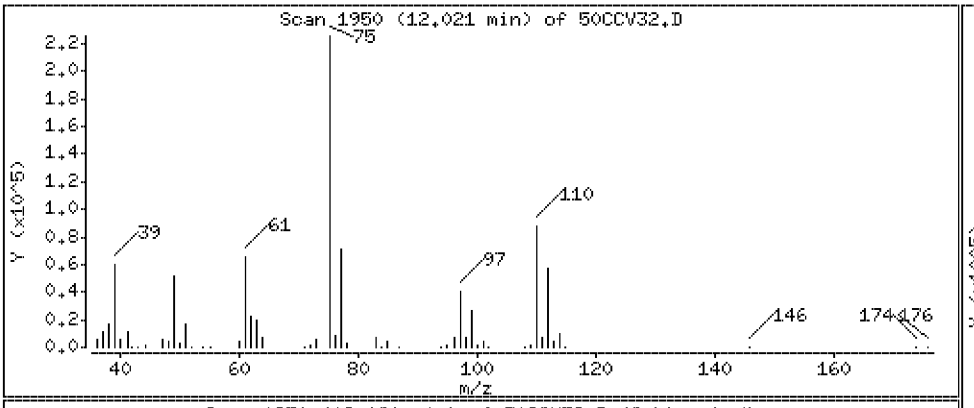
Client ID: 061407CCVA32 Instrument: vms03.i

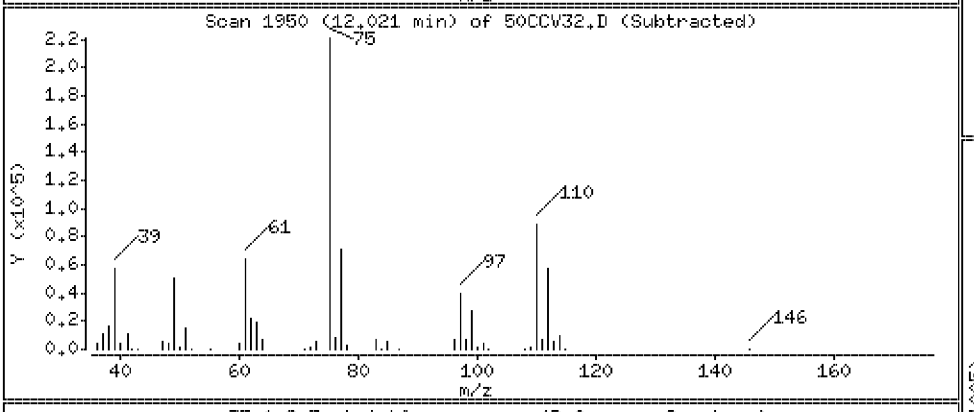
Sample Info: 061407CCV2A32

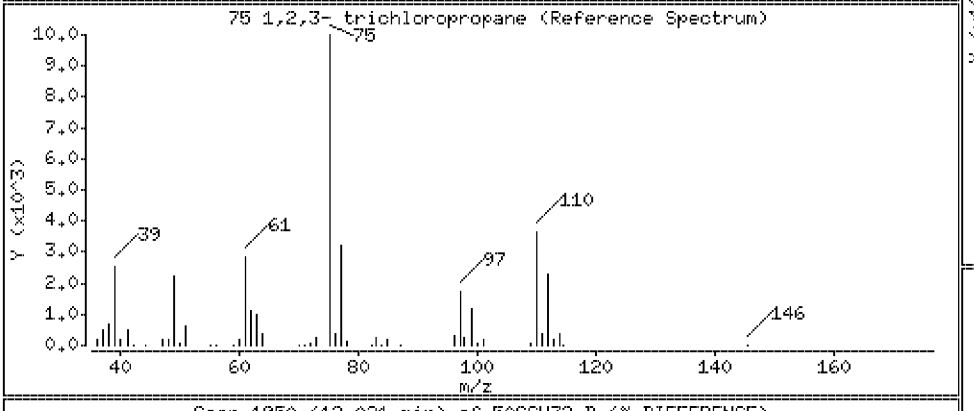
Purge Volume: 5.0 Operator:

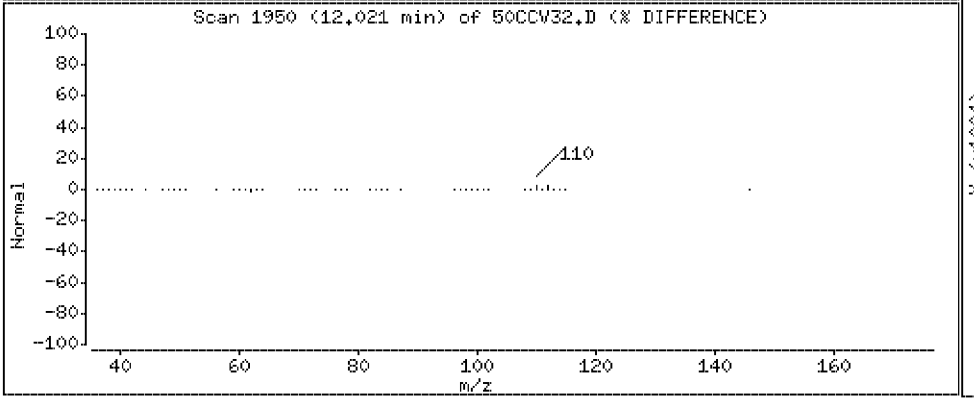
Column phase: DB-624 Column diameter: 0.18

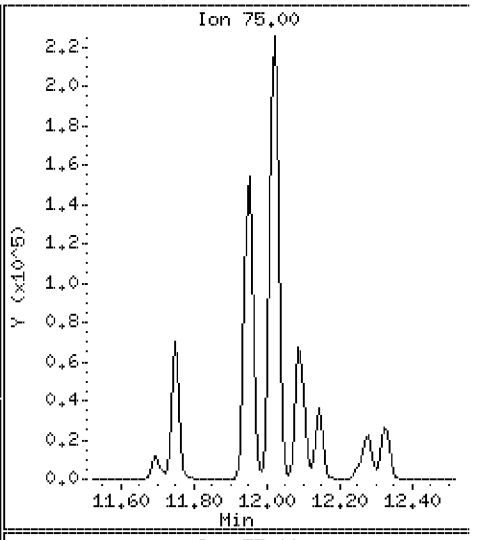
75 1,2,3- trichloropropane Concentration: 44.0 ug/l

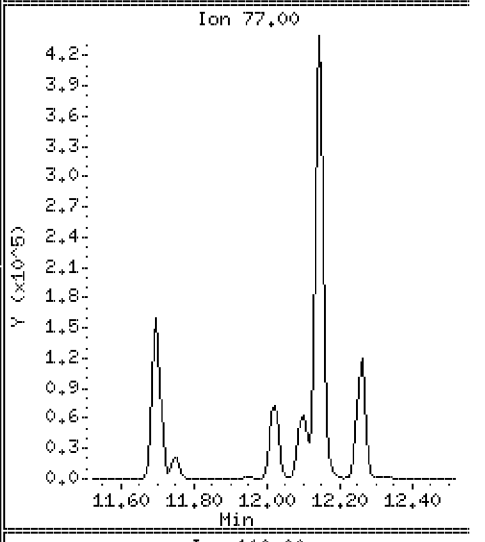


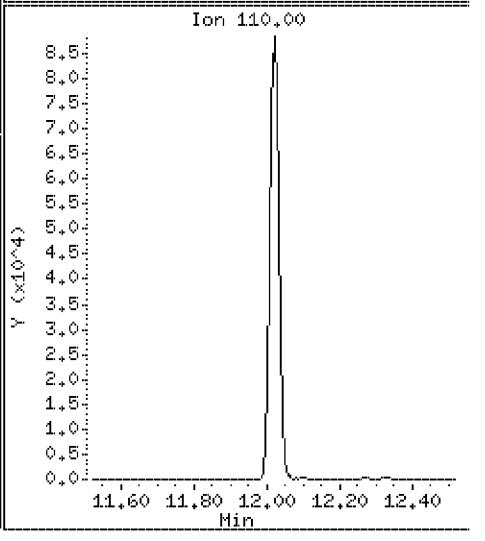












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

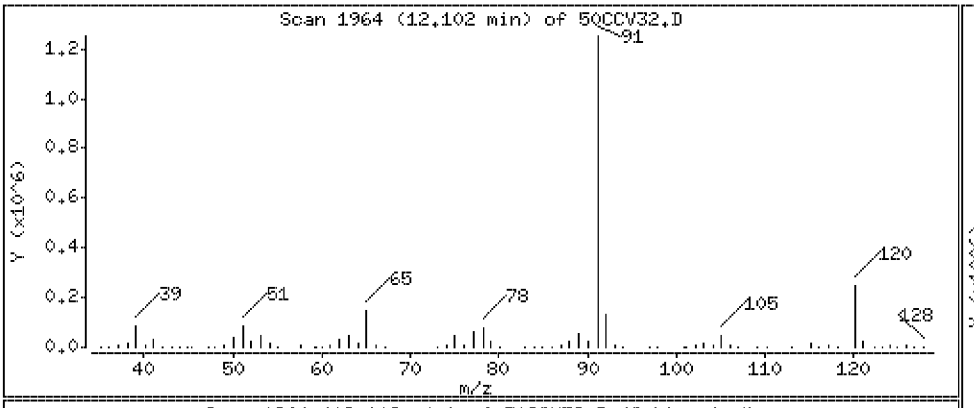
Client ID: 061407CCVA32 Instrument: vms03.i

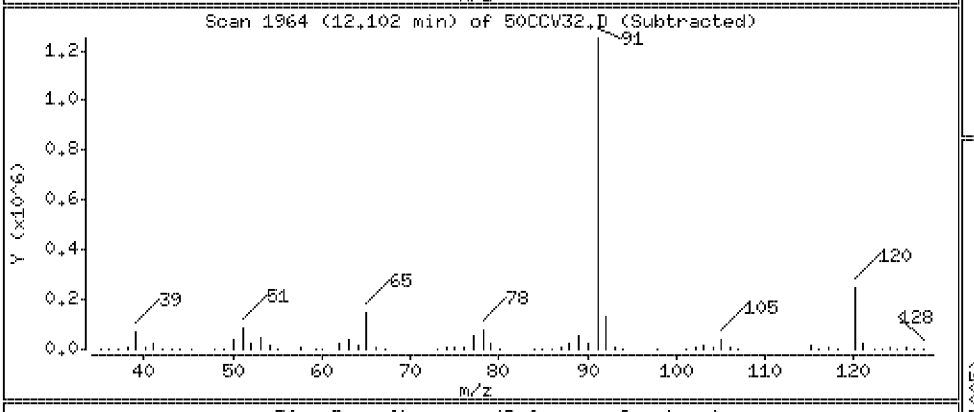
Sample Info: 061407CCV2A32

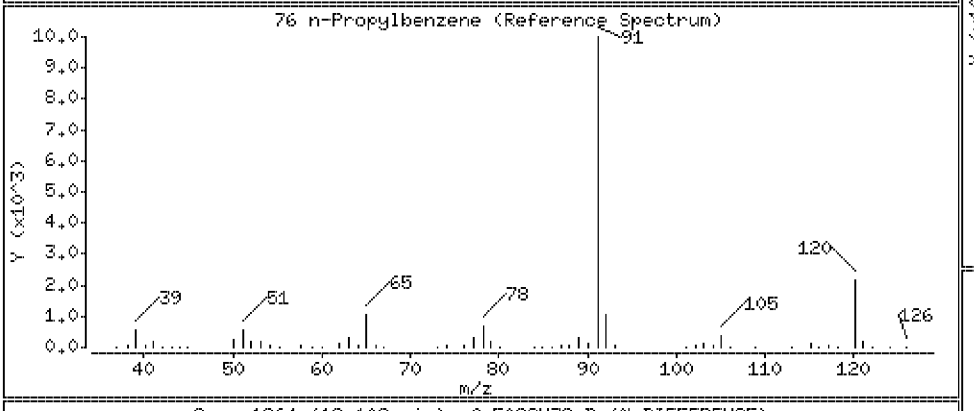
Purge Volume: 5.0 Operator:

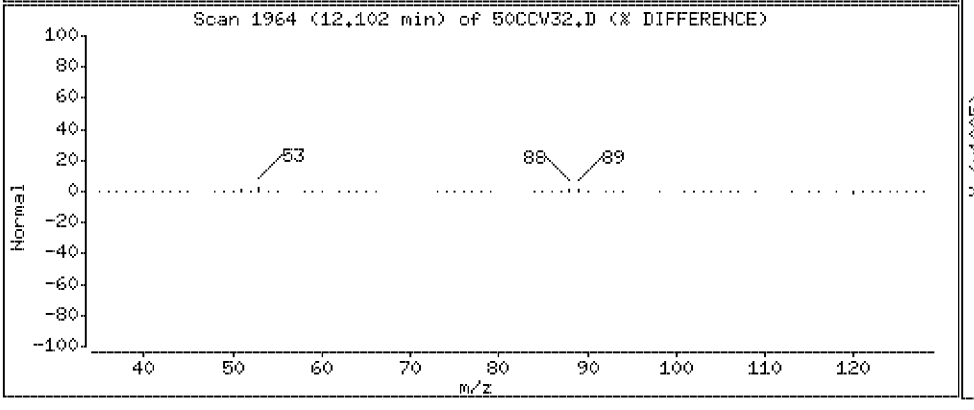
Column phase: DB-624 Column diameter: 0.18

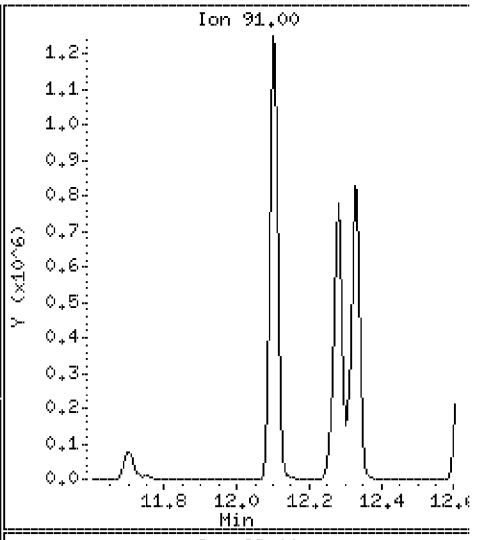
76 n-Propylbenzene Concentration: 48.3 ug/l

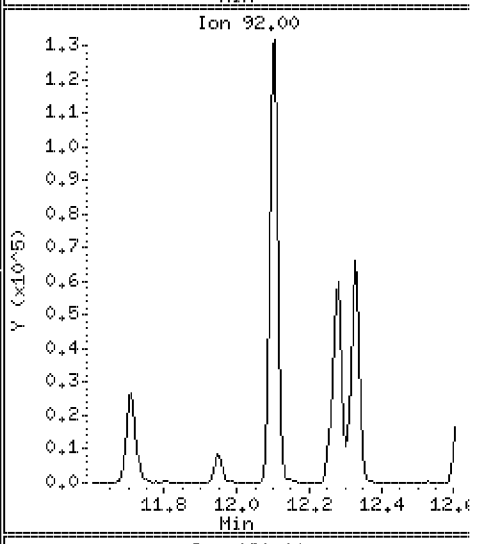


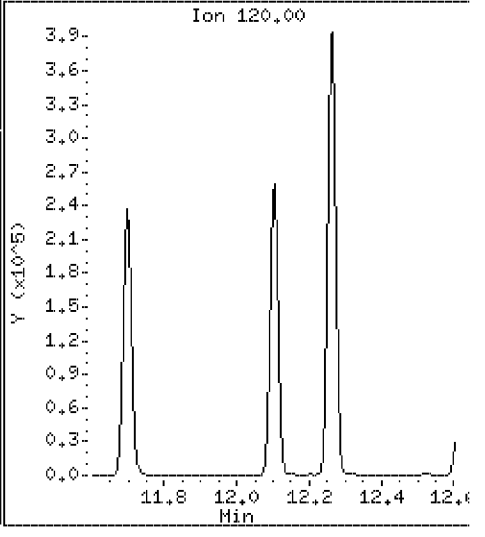












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

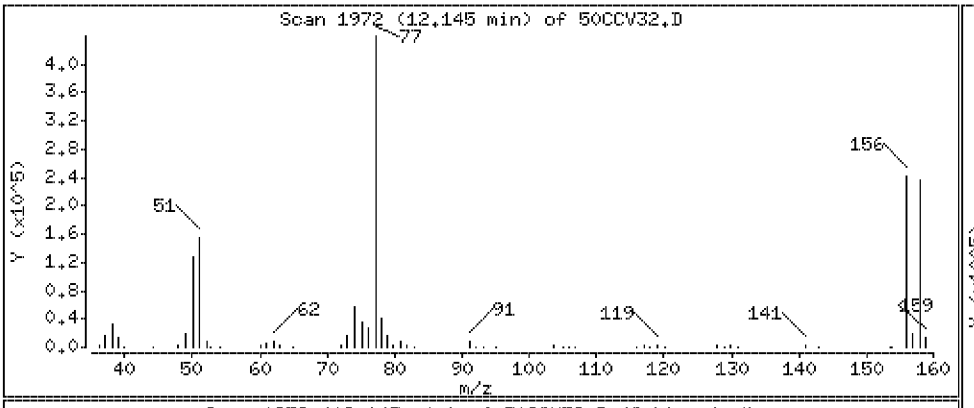
Client ID: 061407CCVA32 Instrument: vms03.i

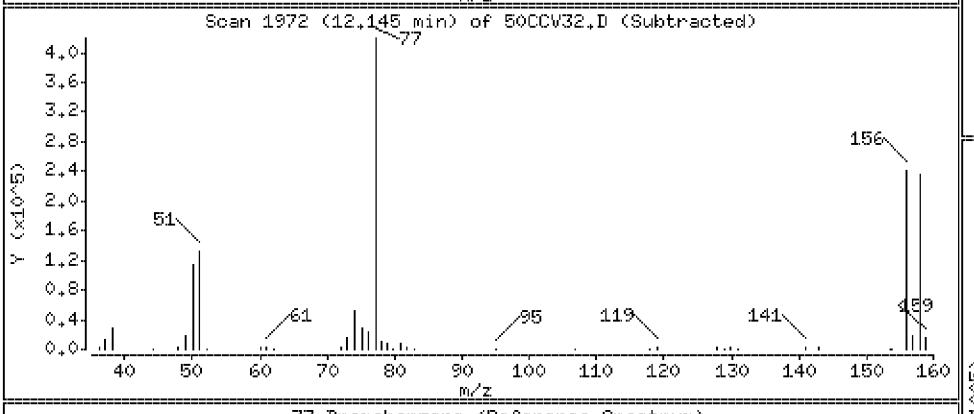
Sample Info: 061407CCV2A32

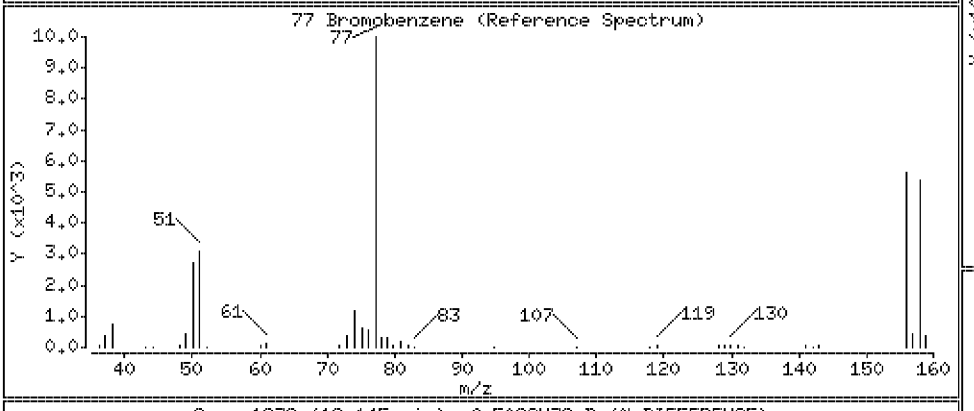
Purge Volume: 5.0 Operator:

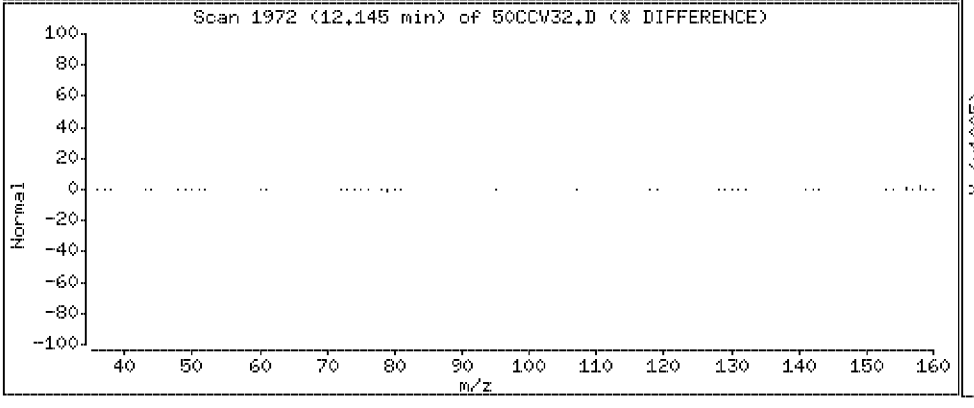
Column phase: DB-624 Column diameter: 0.18

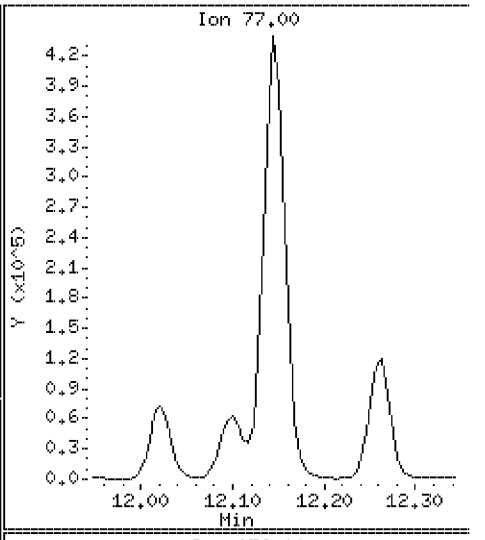
77 Bromobenzene Concentration: 47.4 ug/l

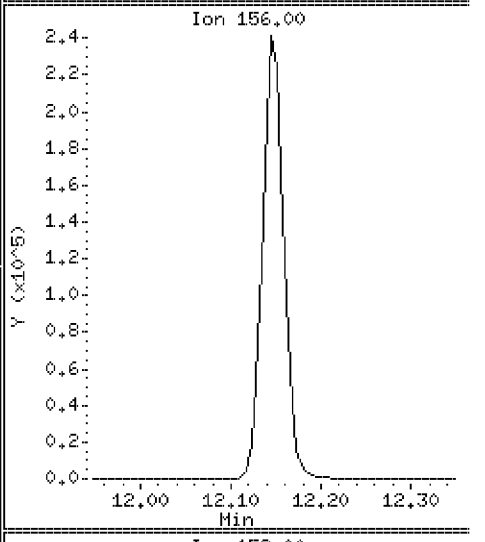


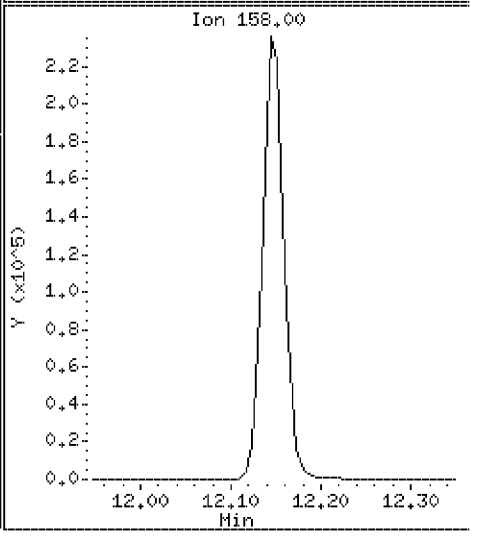












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

Client ID: 061407CCVA32

Instrument: vms03.i

Sample Info: 061407CCV2A32

Purge Volume: 5.0

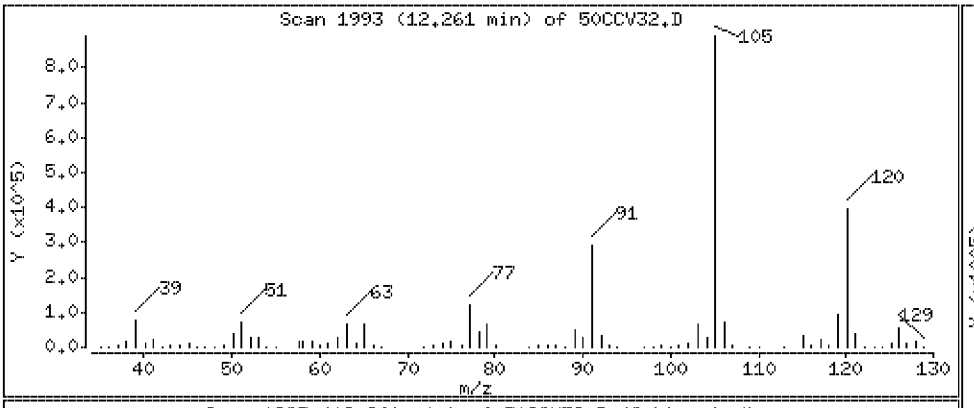
Operator:

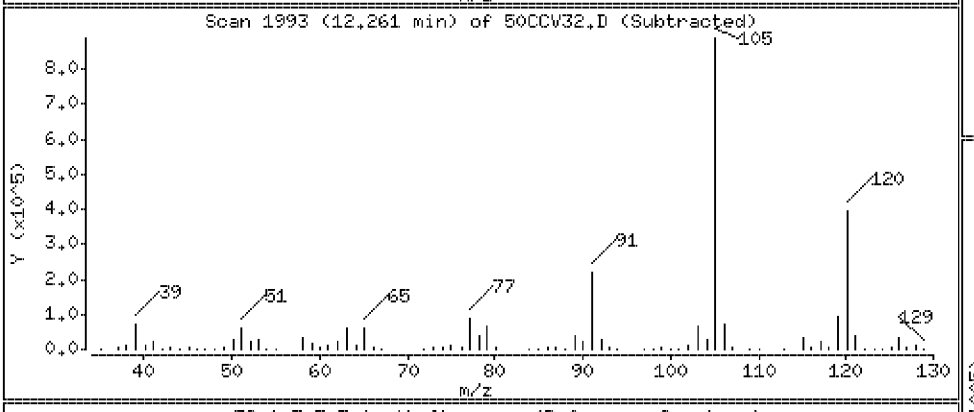
Column phase: DB-624

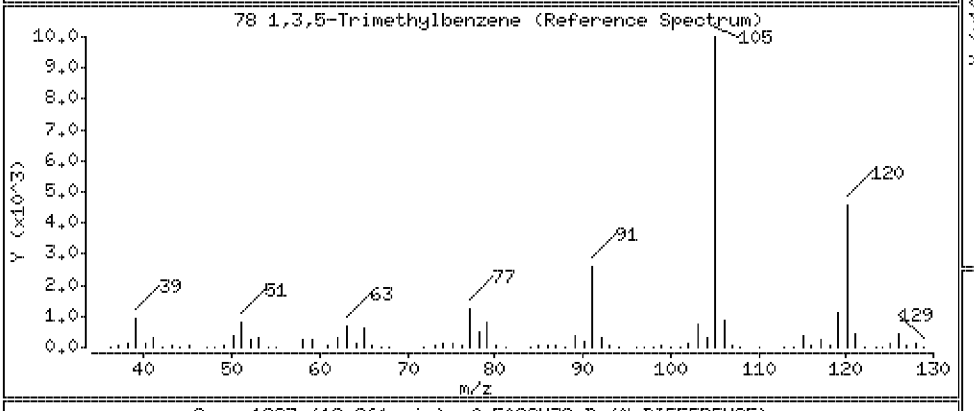
Column diameter: 0.18

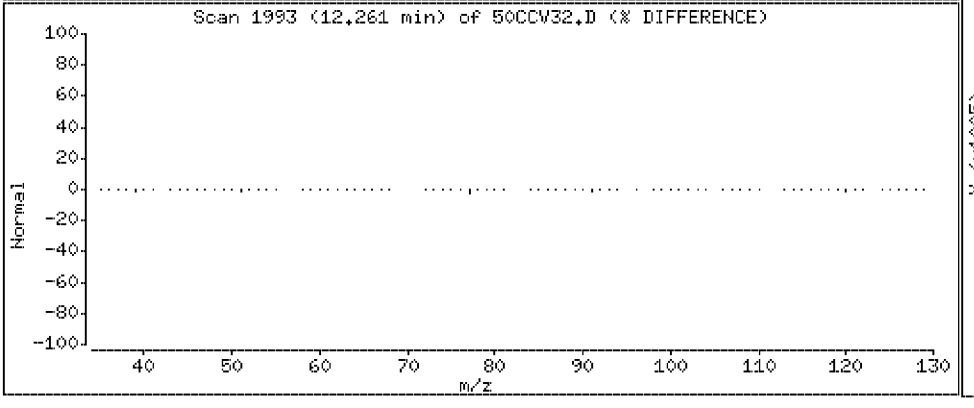
78 1,3,5-Trimethylbenzene

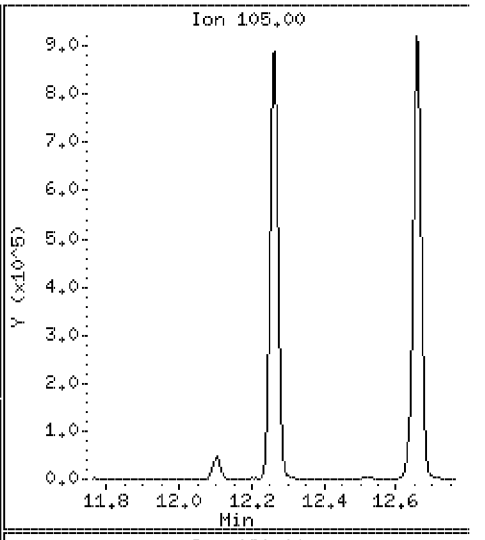
Concentration: 48.6 ug/l

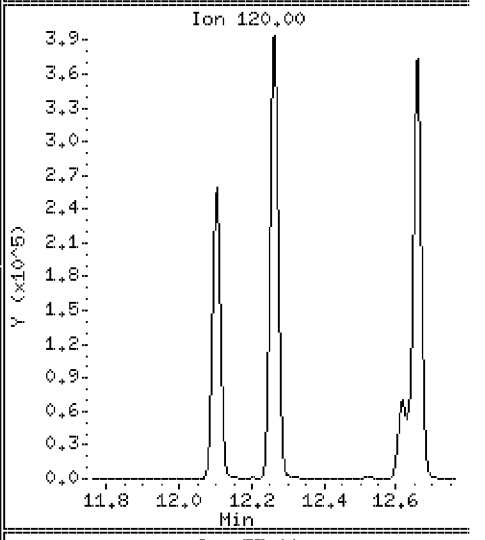


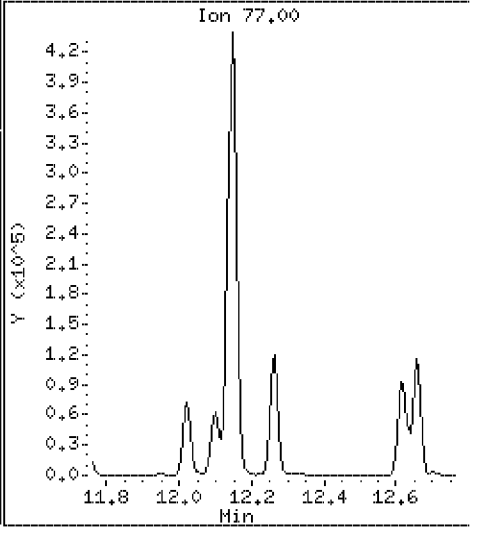












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

Client ID: 061407CCVA32

Instrument: vms03.i

Sample Info: 061407CCV2A32

Purge Volume: 5.0

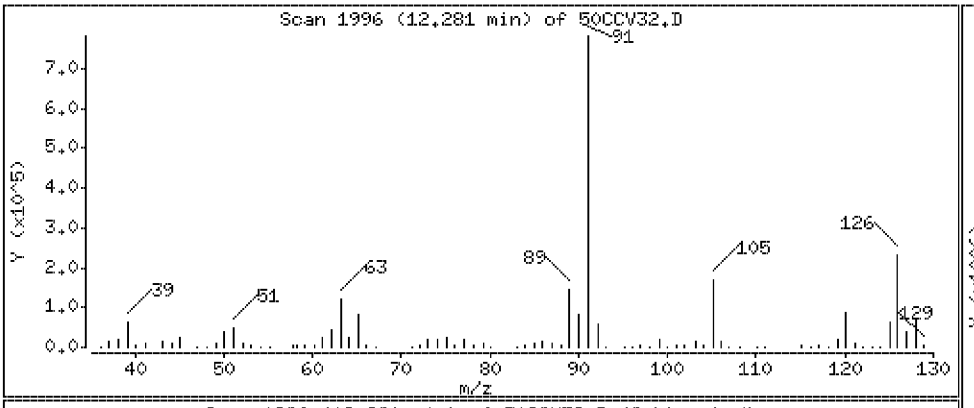
Operator:

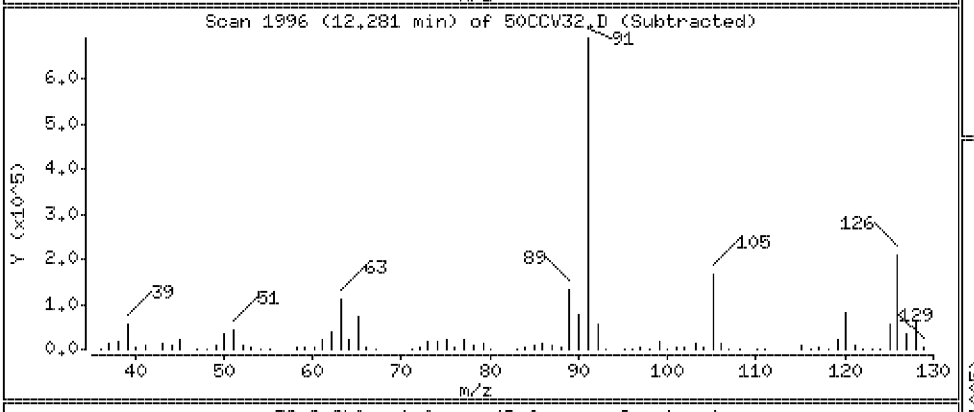
Column phase: DB-624

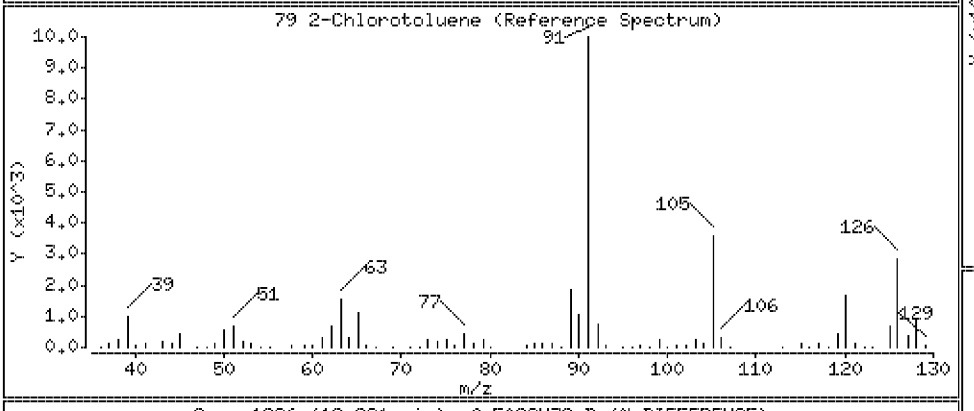
Column diameter: 0.18

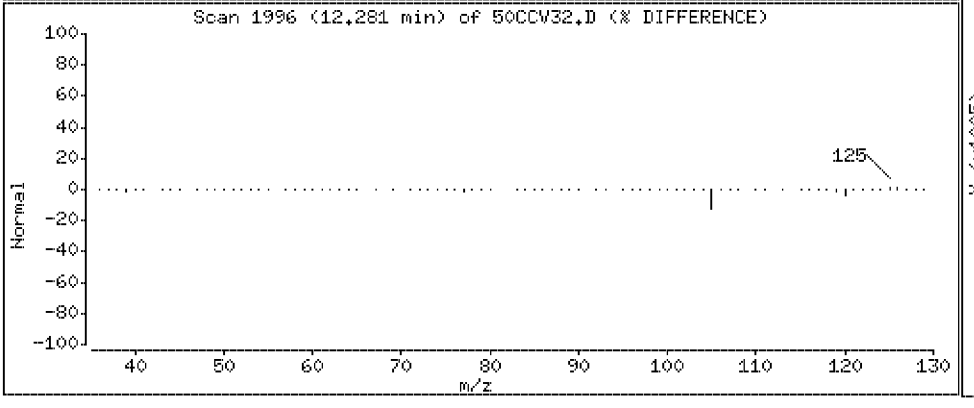
79 2-Chlorotoluene

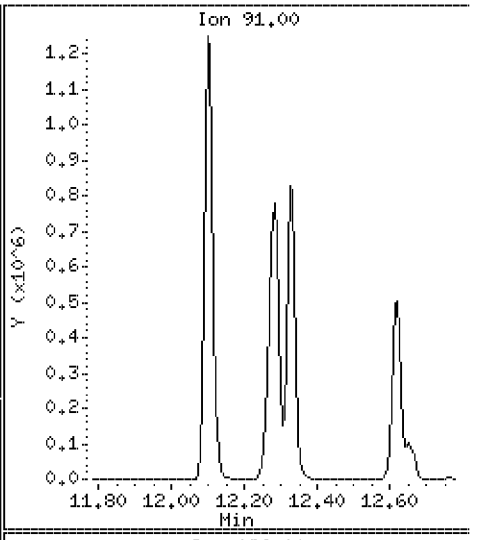
Concentration: 46.7 ug/l

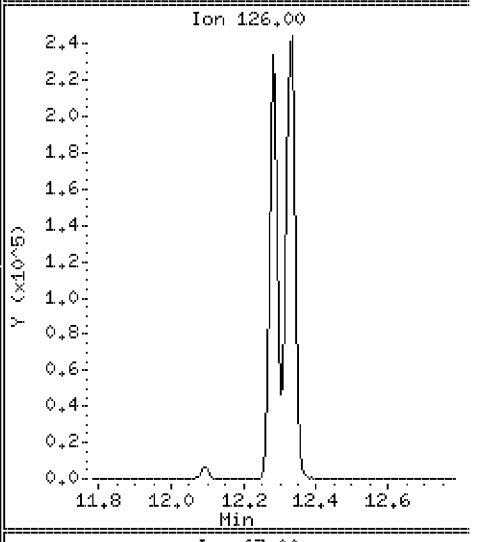


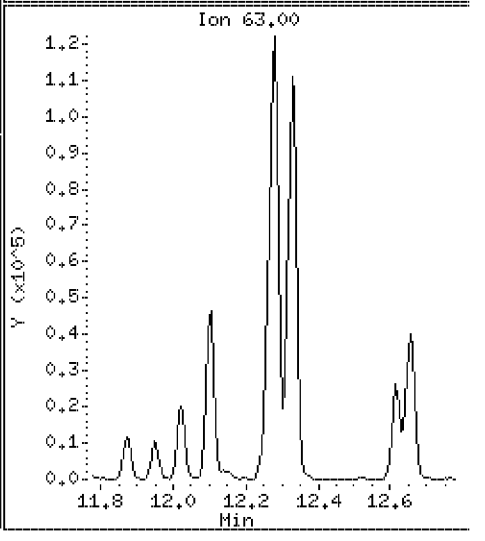












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

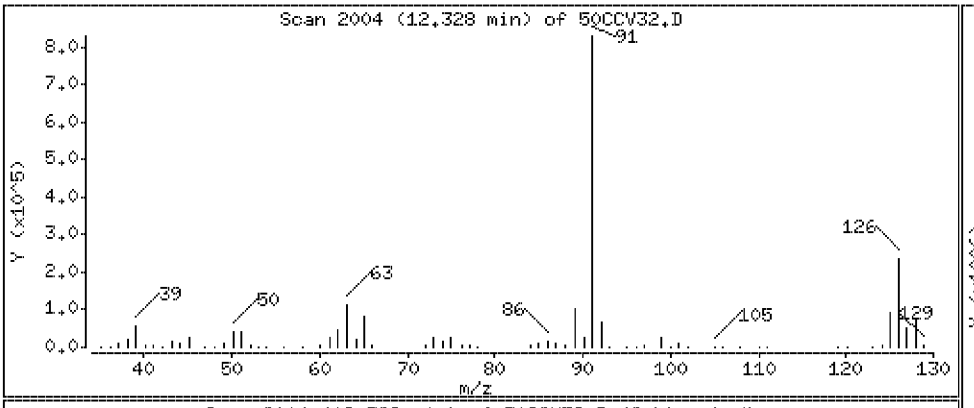
Client ID: 061407CCVA32 Instrument: vms03.i

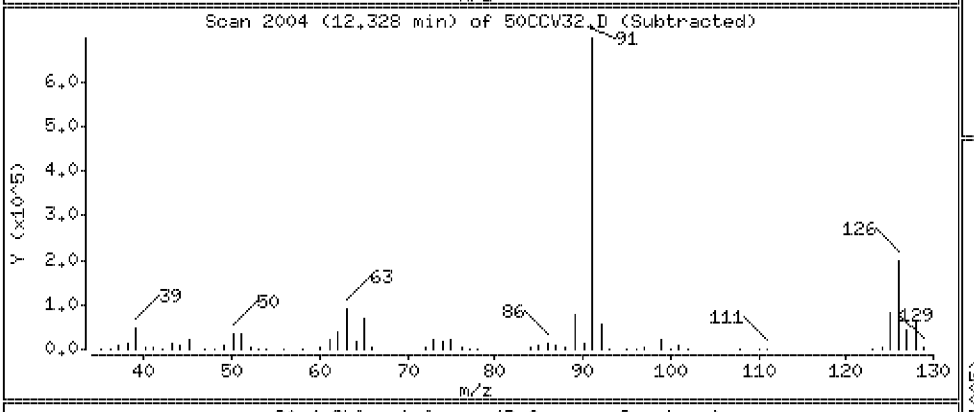
Sample Info: 061407CCV2A32

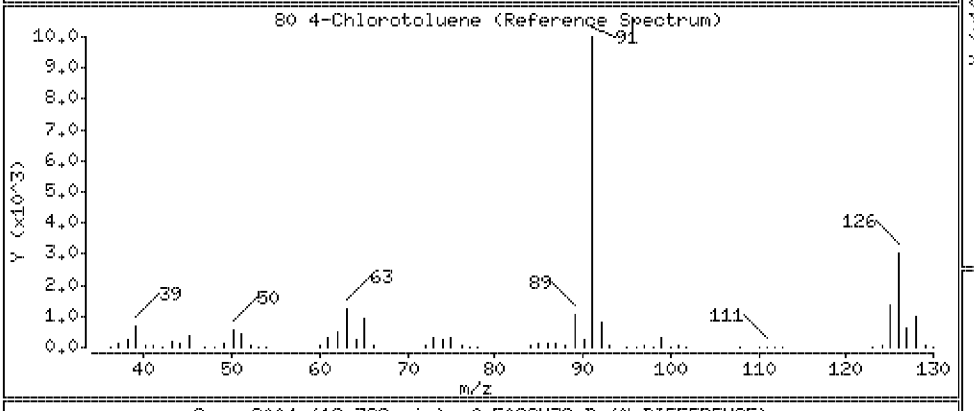
Purge Volume: 5.0 Operator:

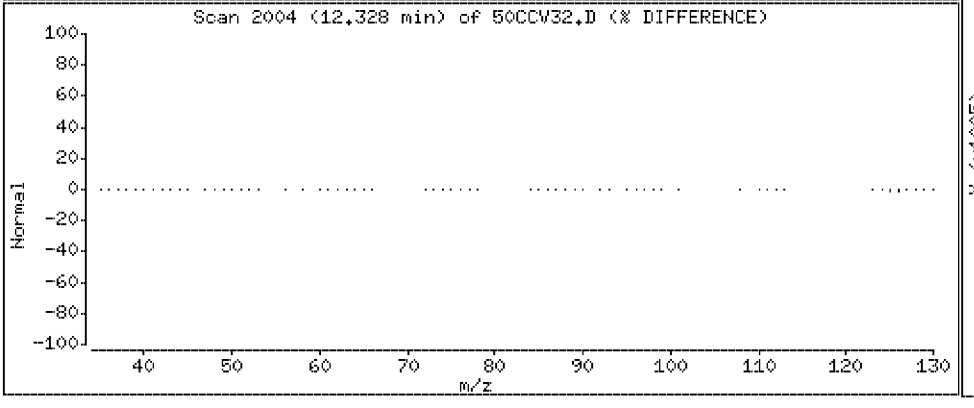
Column phase: DB-624 Column diameter: 0.18

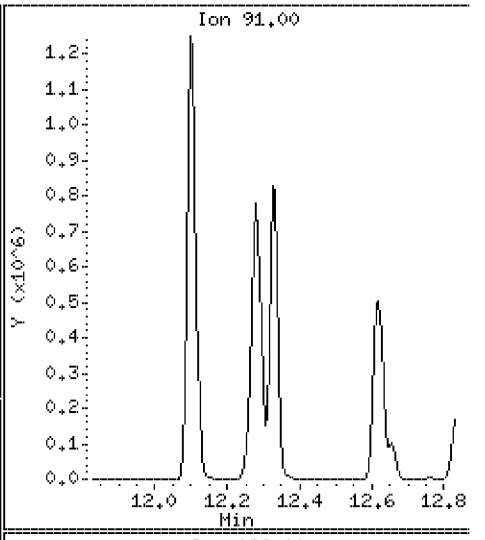
80 4-Chlorotoluene Concentration: 46.0 ug/l

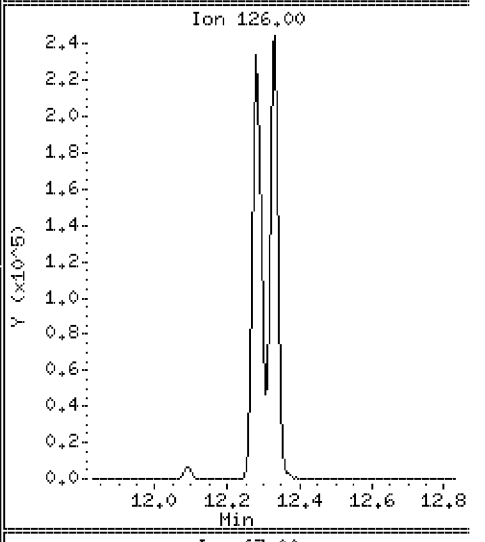


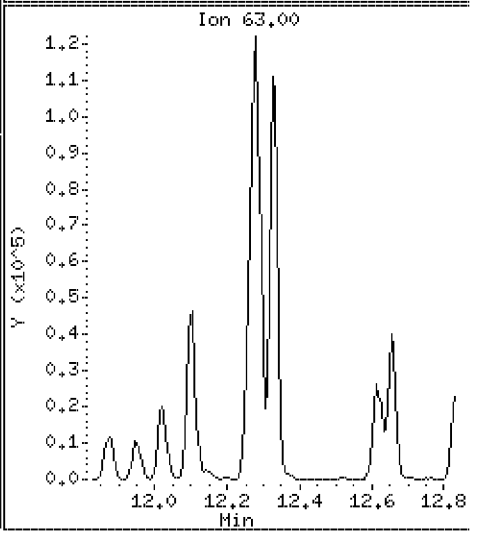












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

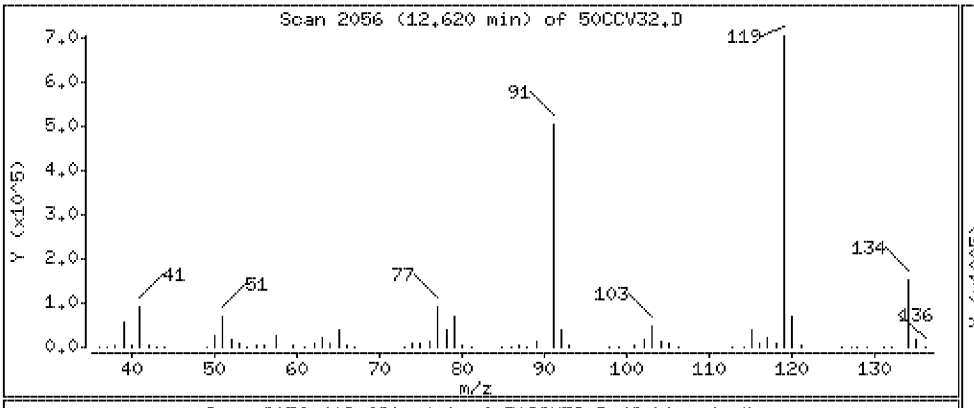
Client ID: 061407CCVA32 Instrument: vms03.i

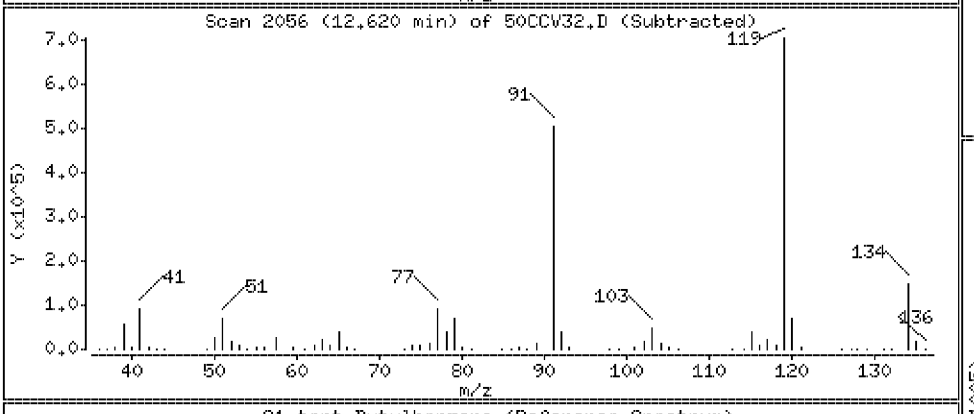
Sample Info: 061407CCV2A32

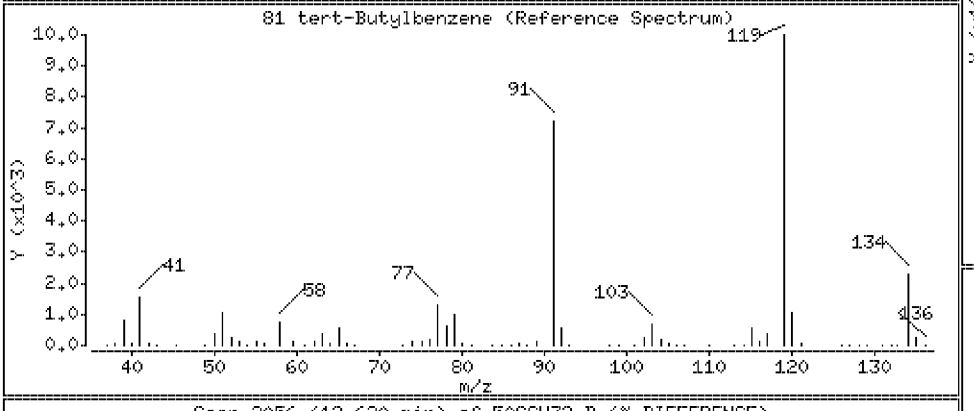
Purge Volume: 5.0 Operator:

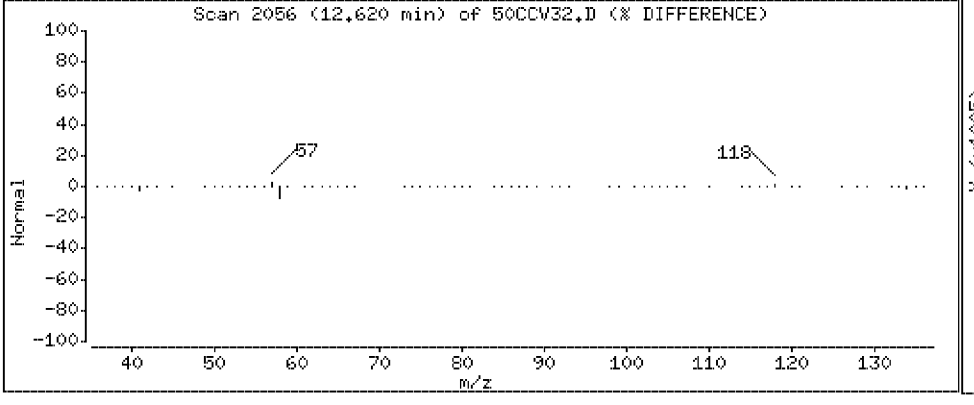
Column phase: DB-624 Column diameter: 0.18

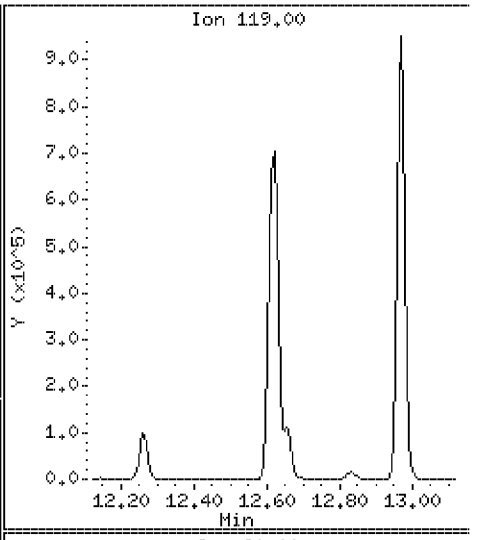
81 tert-Butylbenzene Concentration: 49.1 ug/l

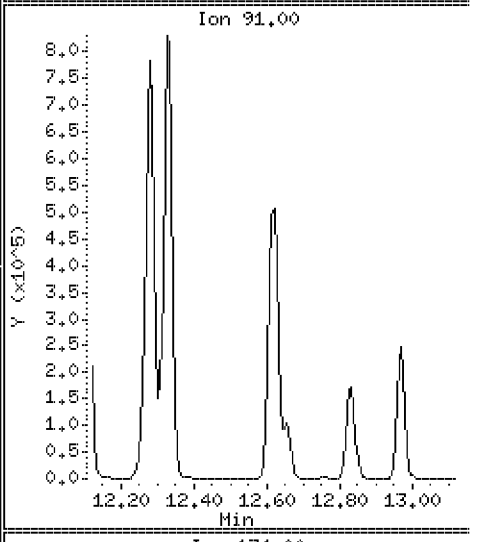


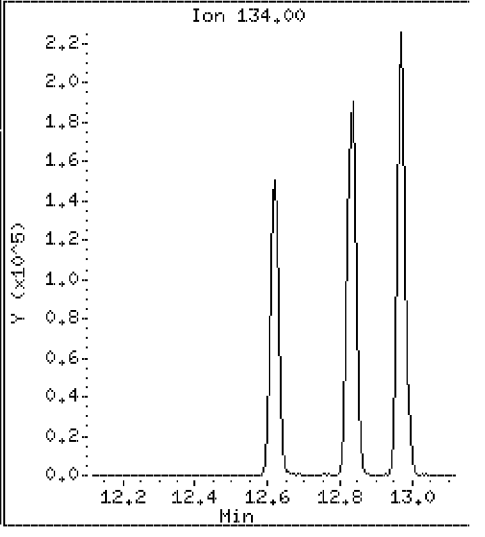












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

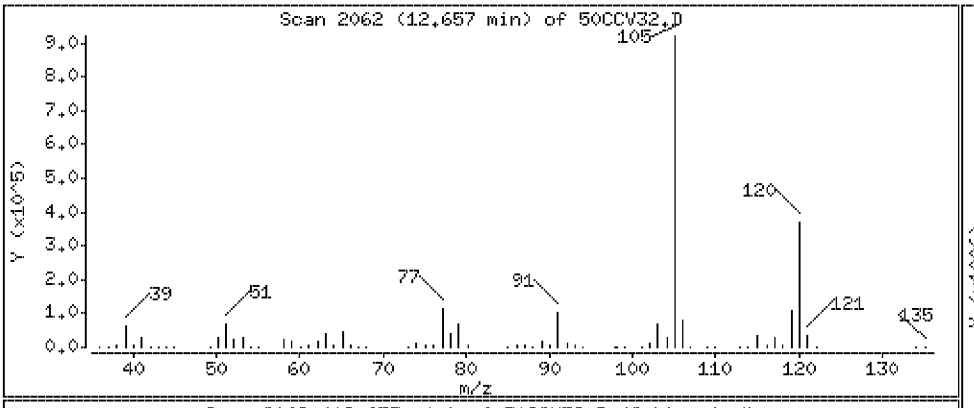
Client ID: 061407CCVA32 Instrument: vms03.i

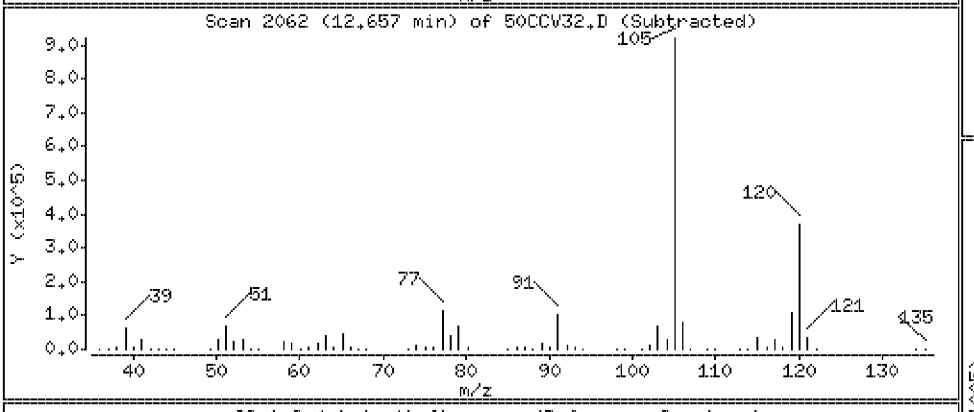
Sample Info: 061407CCV2A32

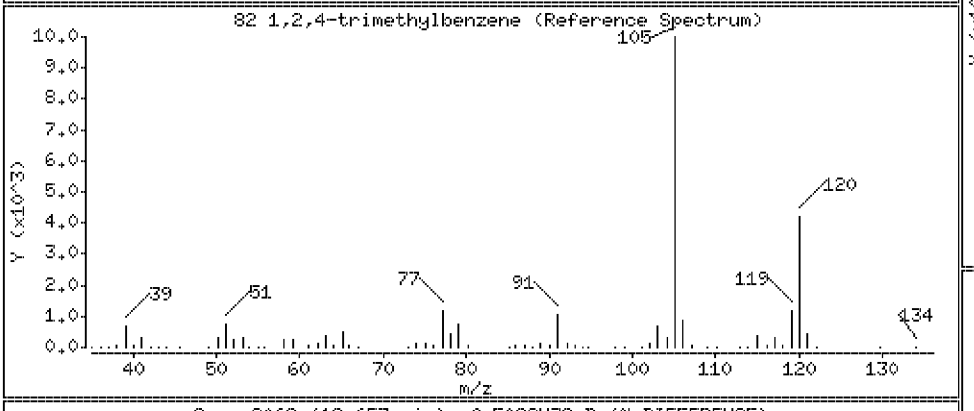
Purge Volume: 5.0 Operator:

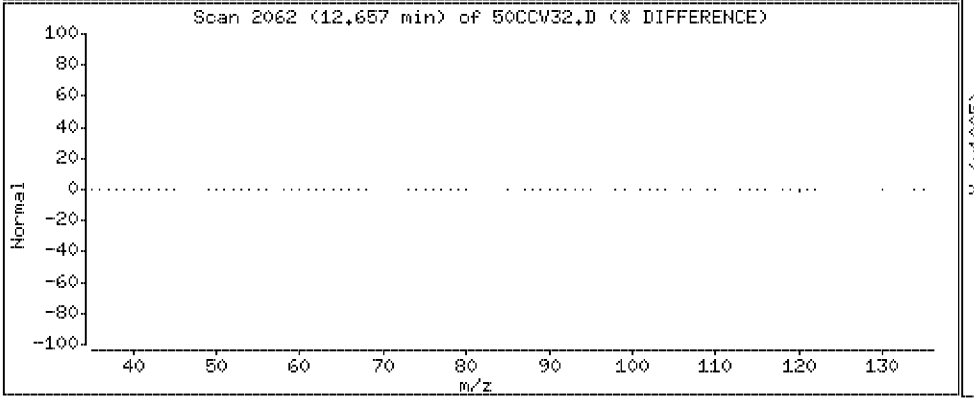
Column phase: DB-624 Column diameter: 0.18

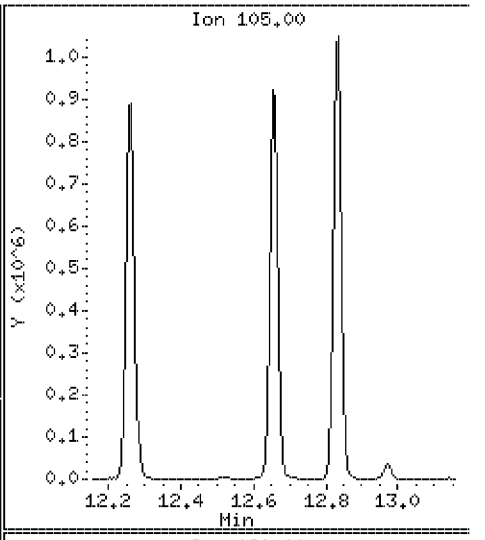
82 1,2,4-trimethylbenzene Concentration: 49.2 ug/l

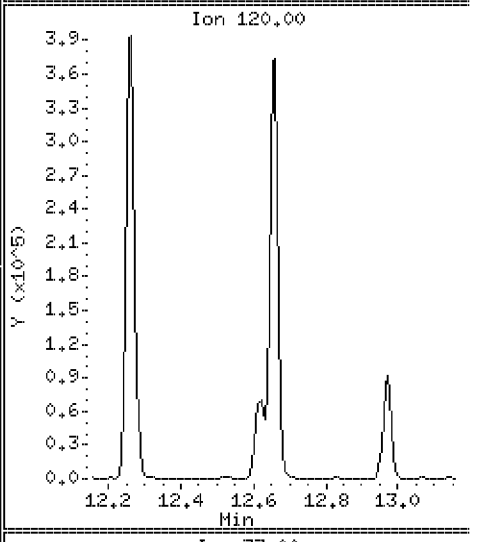


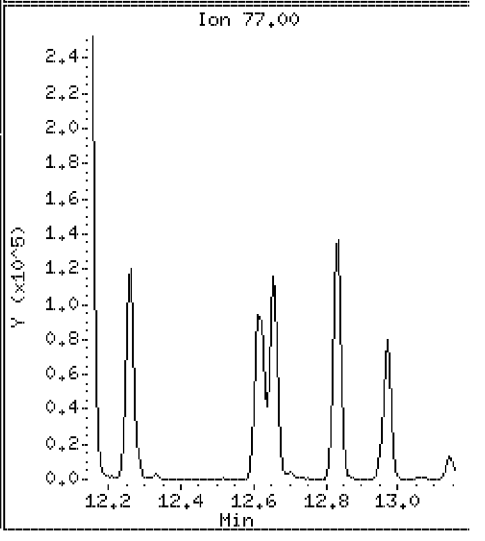












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

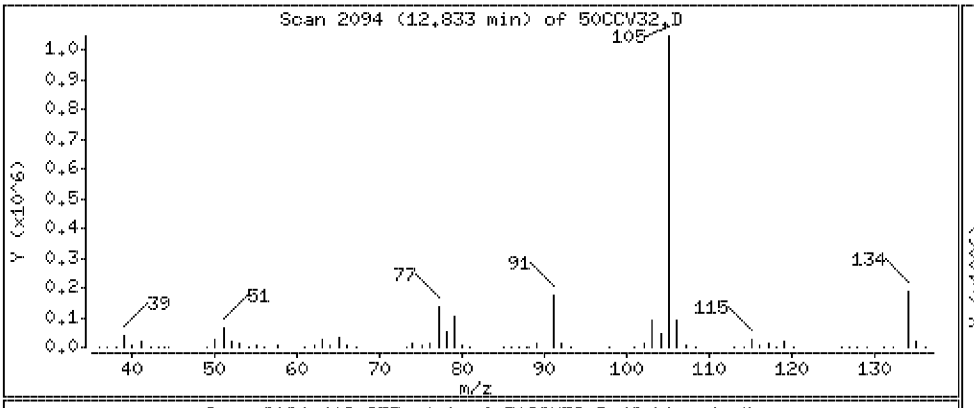
Client ID: 061407CCVA32 Instrument: vms03.i

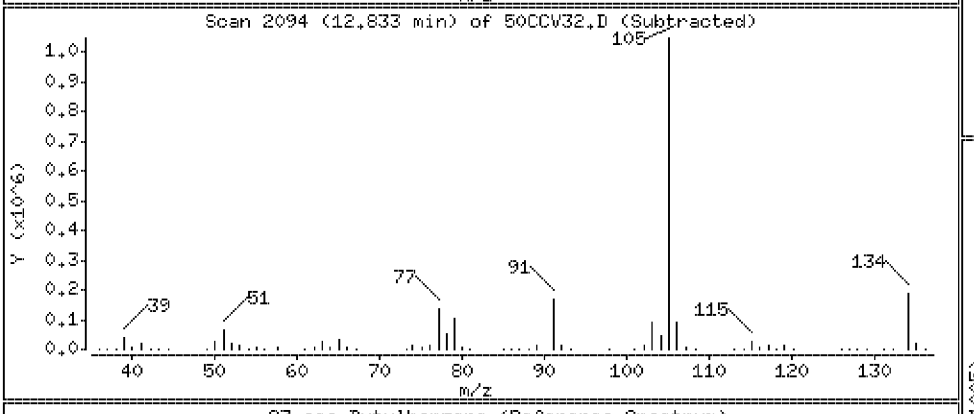
Sample Info: 061407CCV2A32

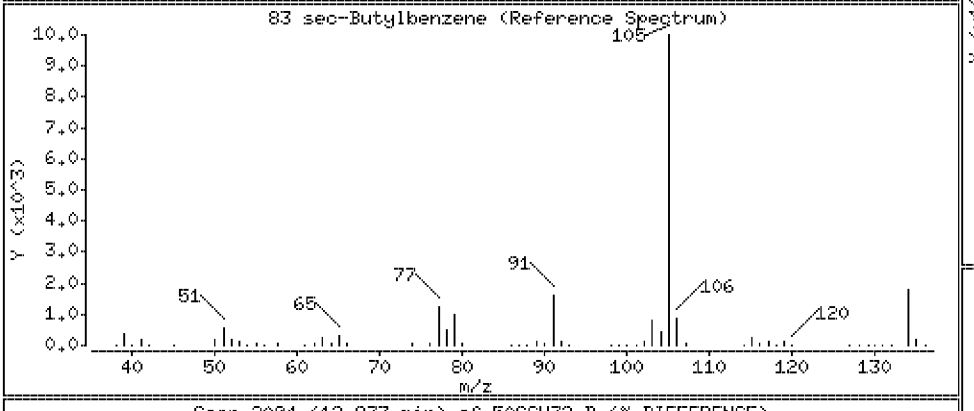
Purge Volume: 5.0 Operator:

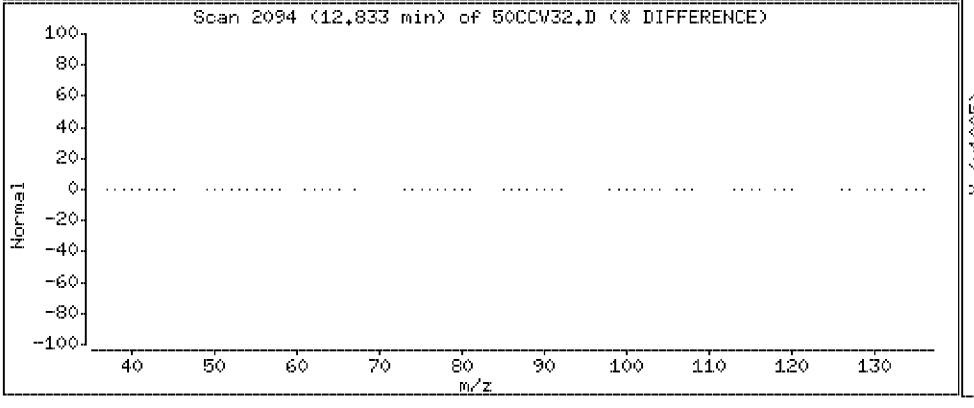
Column phase: DB-624 Column diameter: 0.18

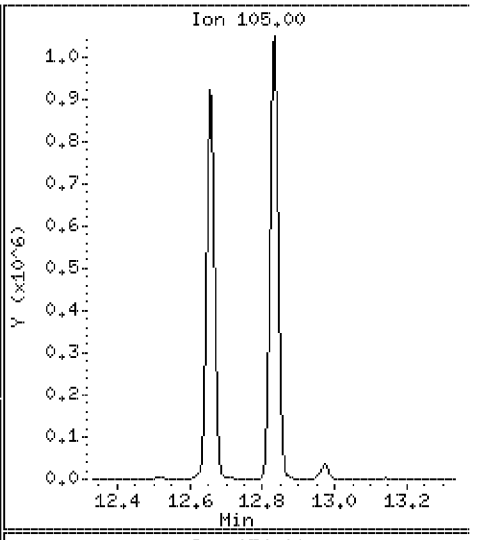
83 sec-Butylbenzene Concentration: 50.9 ug/l

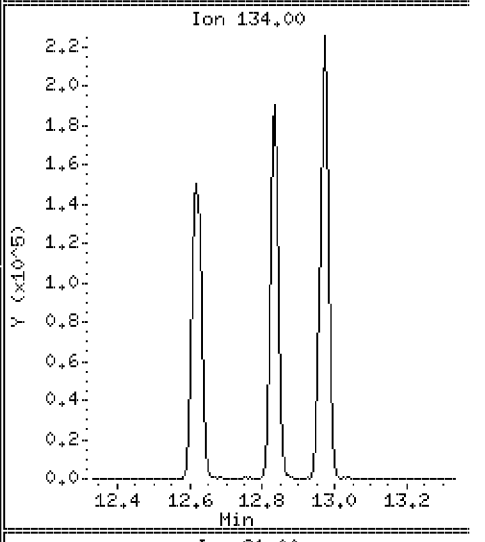


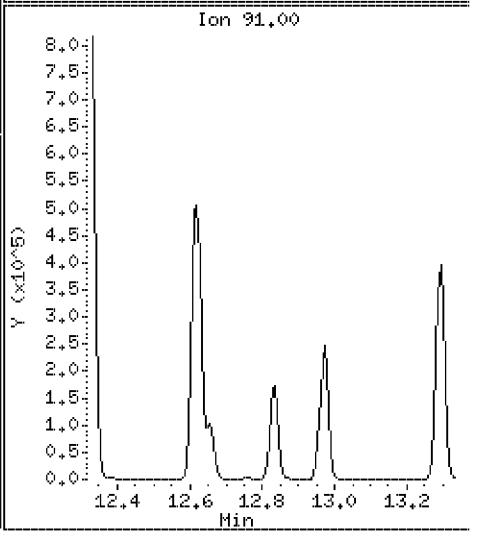












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

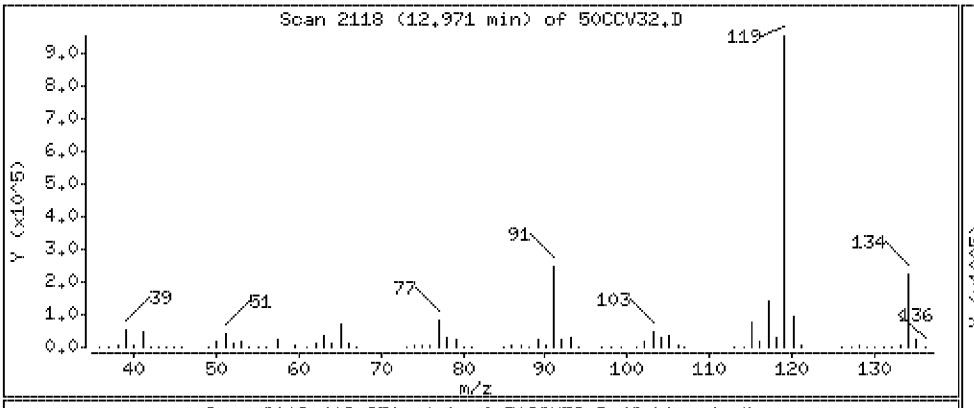
Client ID: 061407CCVA32 Instrument: vms03.i

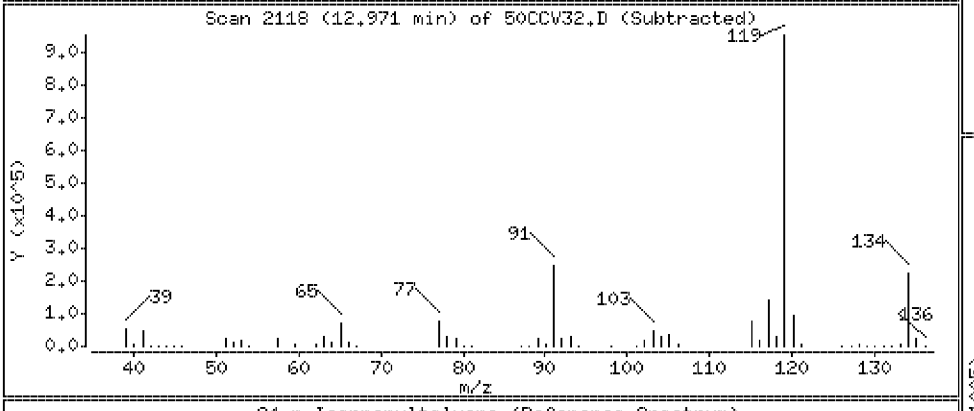
Sample Info: 061407CCV2A32

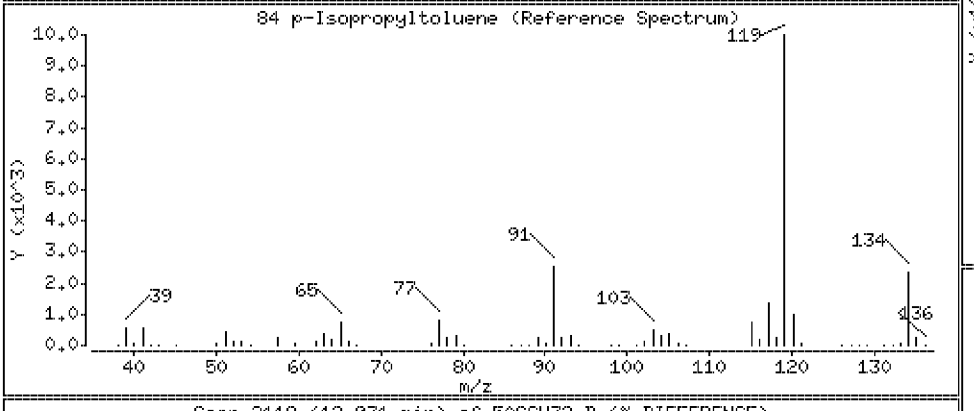
Purge Volume: 5.0 Operator:

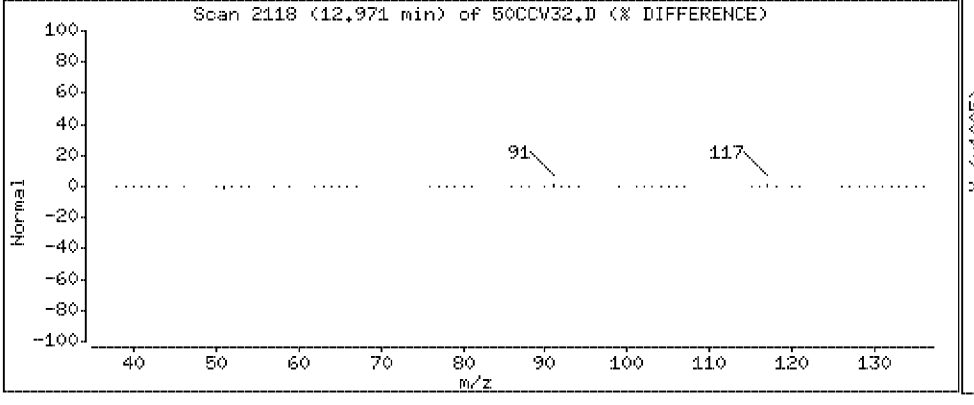
Column phase: DB-624 Column diameter: 0.18

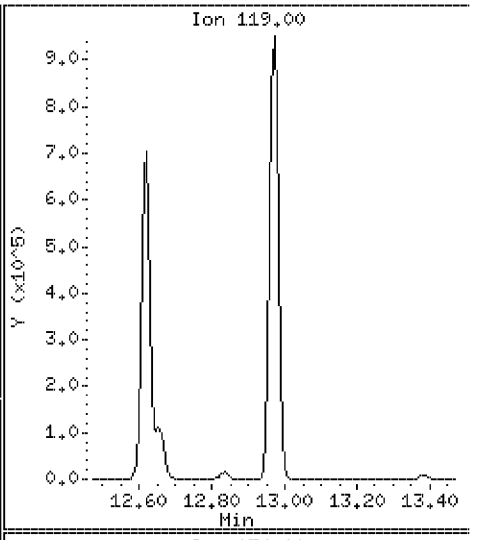
84 p-Isopropyltoluene Concentration: 49.9 ug/l

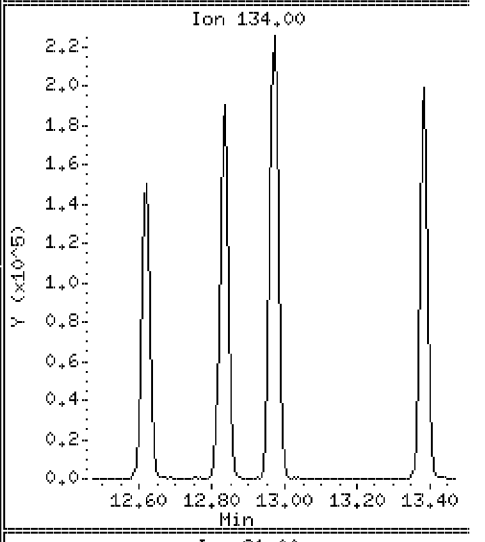


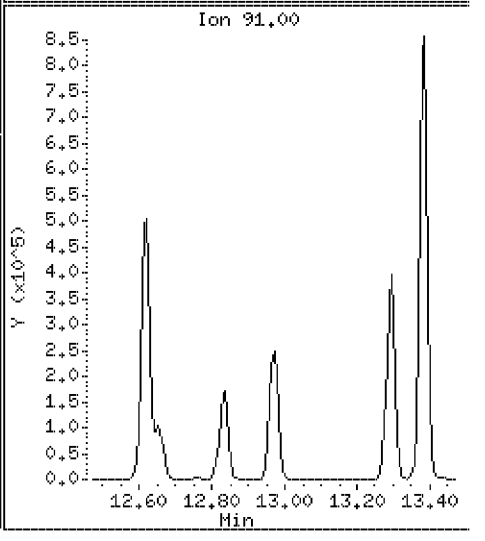












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

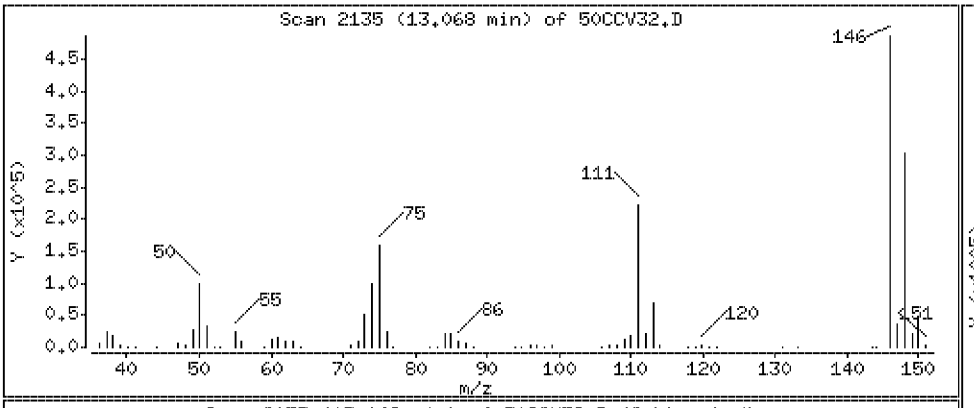
Client ID: 061407CCVA32 Instrument: vms03.i

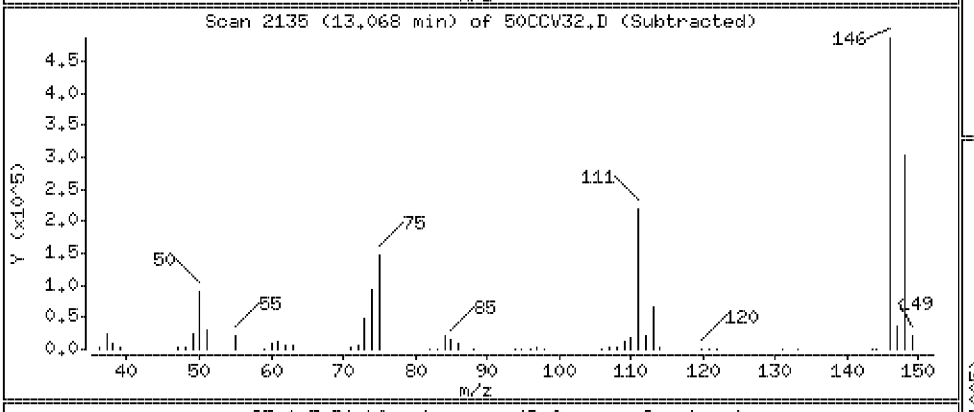
Sample Info: 061407CCV2A32

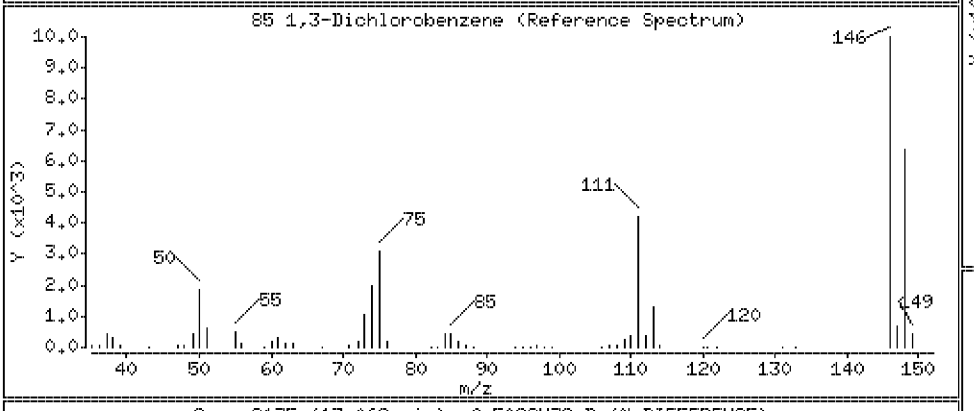
Purge Volume: 5.0 Operator:

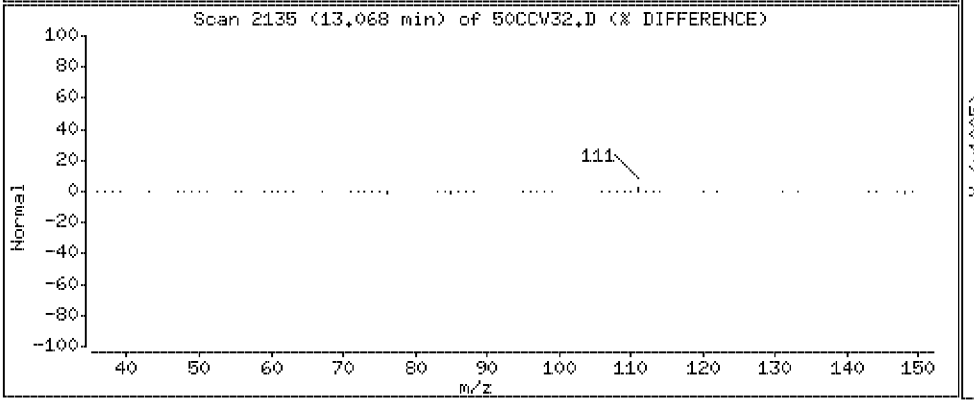
Column phase: DB-624 Column diameter: 0.18

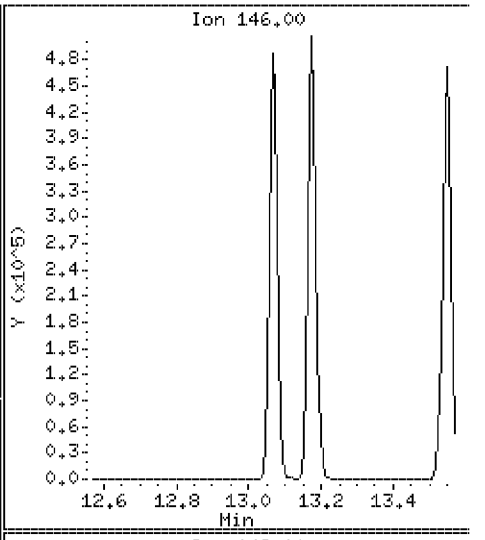
85 1,3-Dichlorobenzene Concentration: 50.2 ug/l

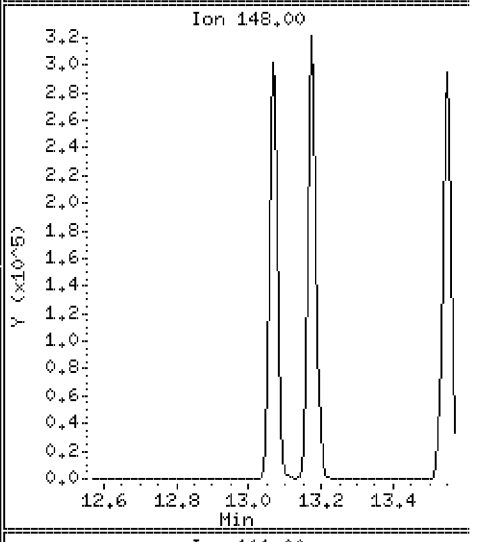


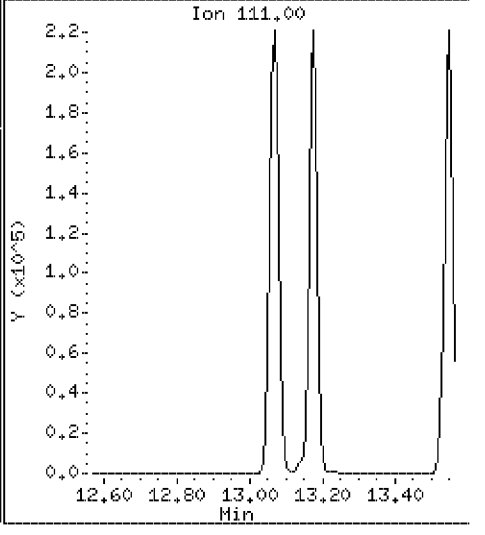












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

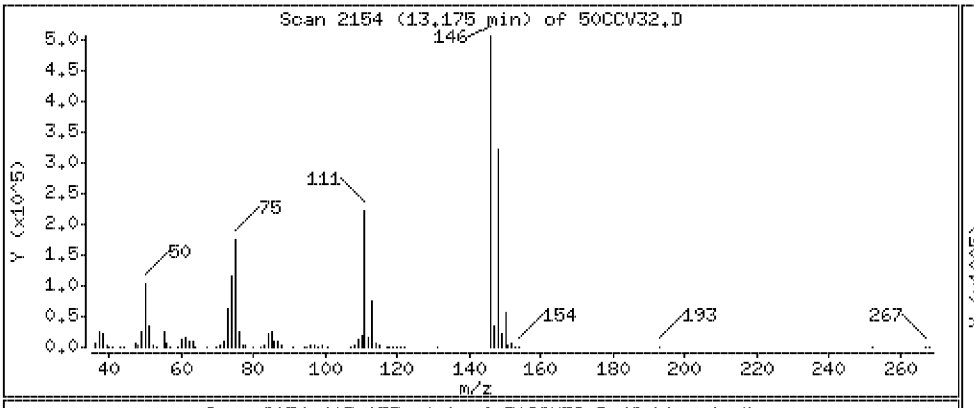
Client ID: 061407CCVA32 Instrument: vms03.i

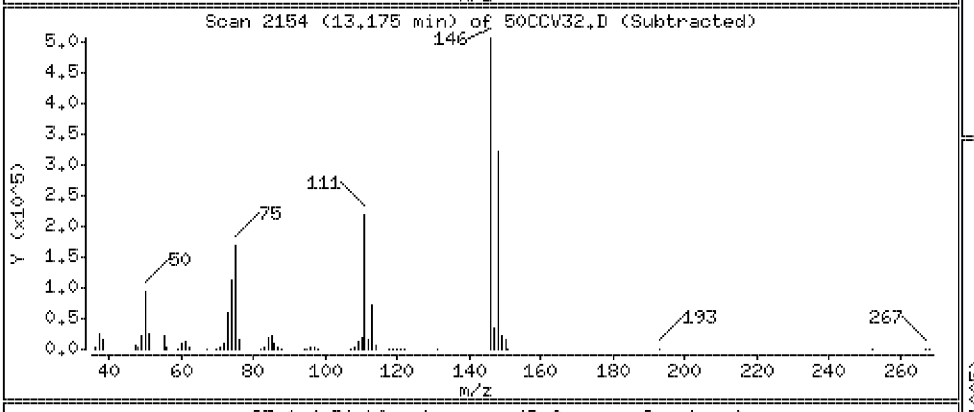
Sample Info: 061407CCV2A32

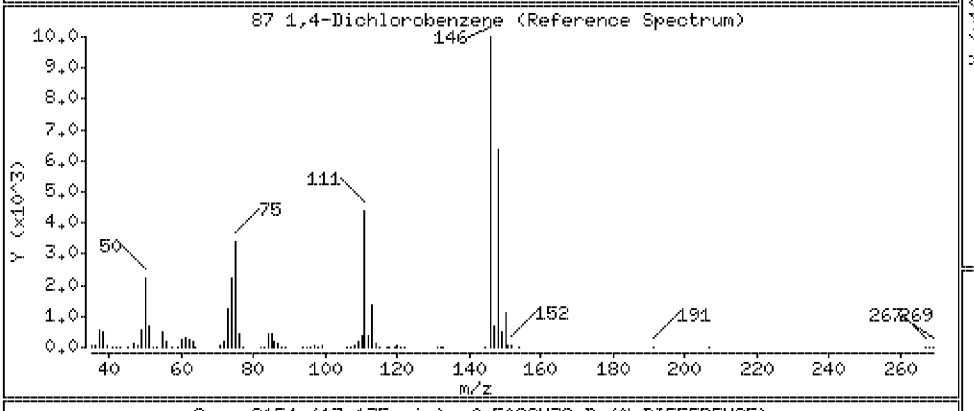
Purge Volume: 5.0 Operator:

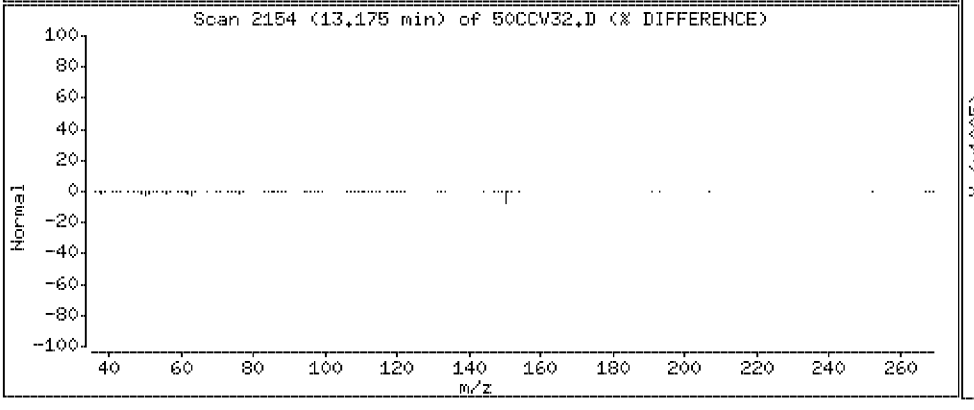
Column phase: DB-624 Column diameter: 0.18

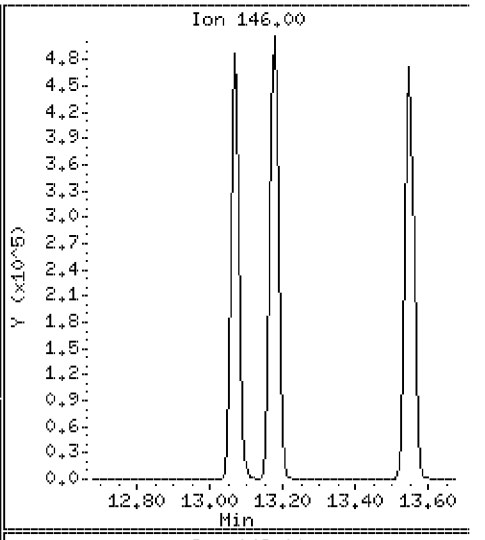
87 1,4-Dichlorobenzene Concentration: 48.9 ug/l

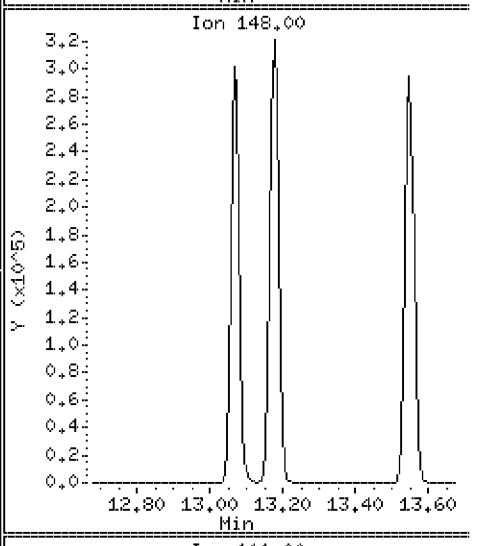


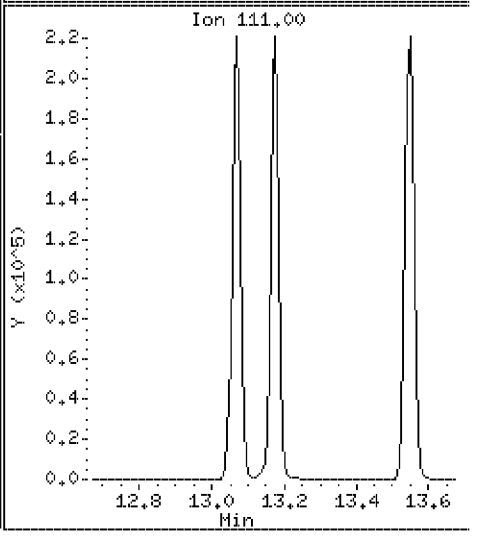












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

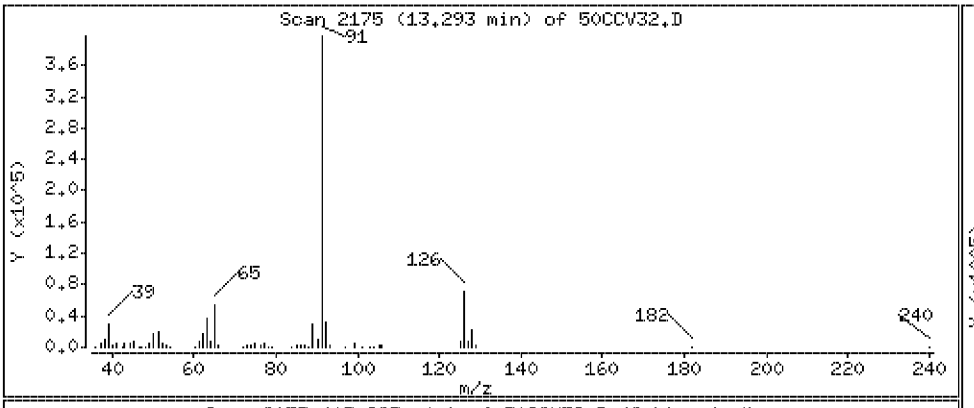
Client ID: 061407CCVA32 Instrument: vms03.i

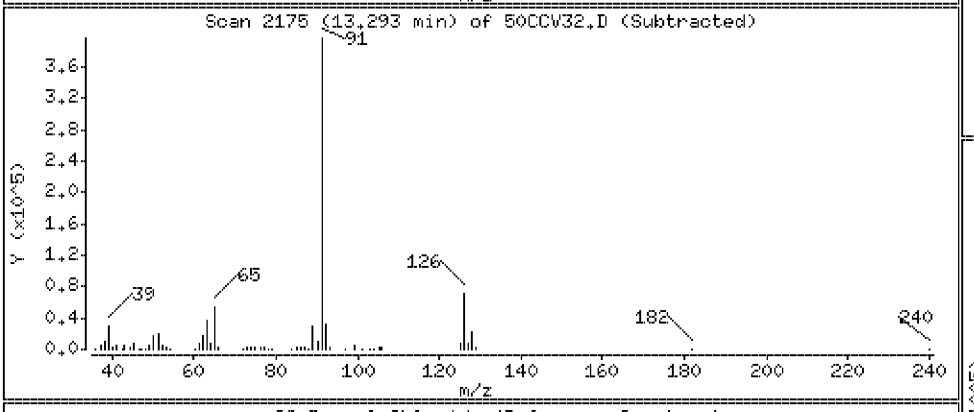
Sample Info: 061407CCV2A32

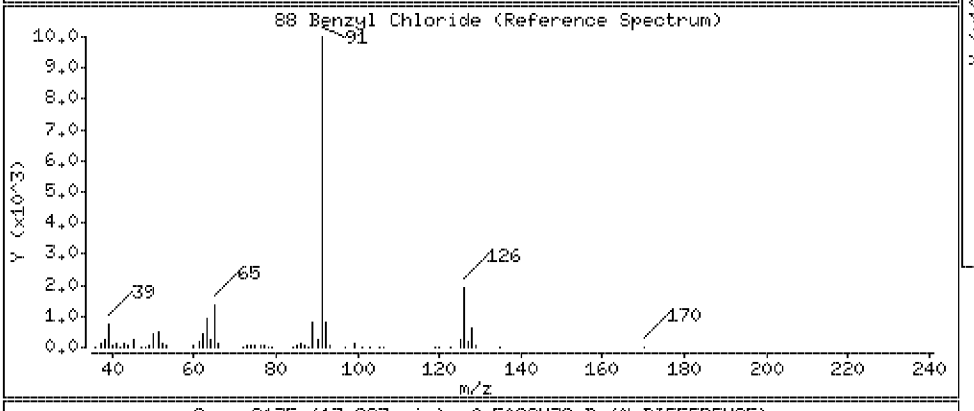
Purge Volume: 5.0 Operator:

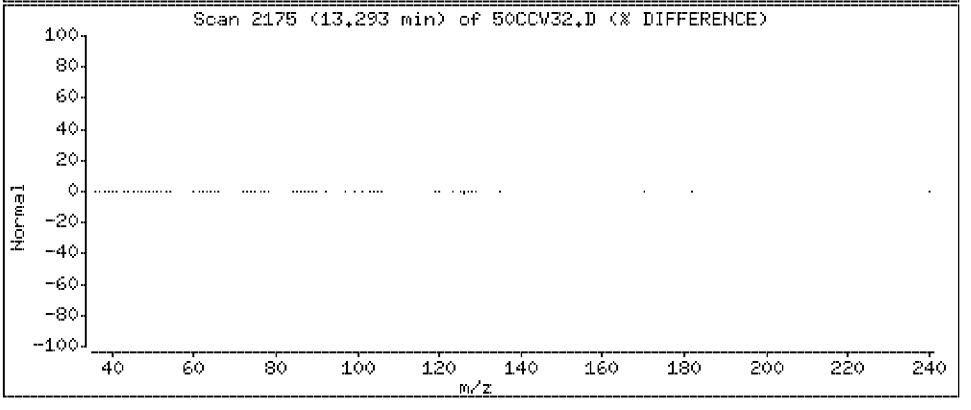
Column phase: DB-624 Column diameter: 0.18

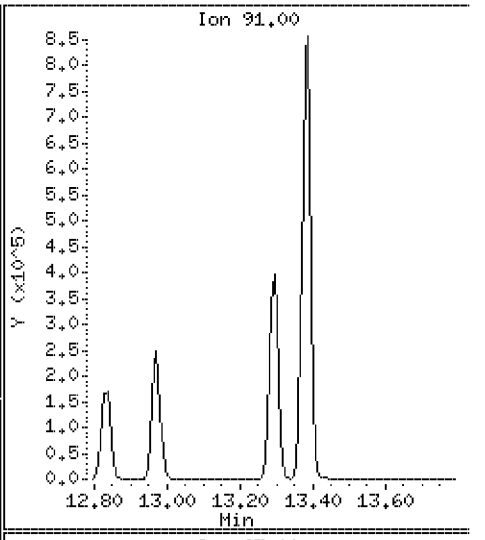
88 Benzyl Chloride Concentration: 53.2 ug/l

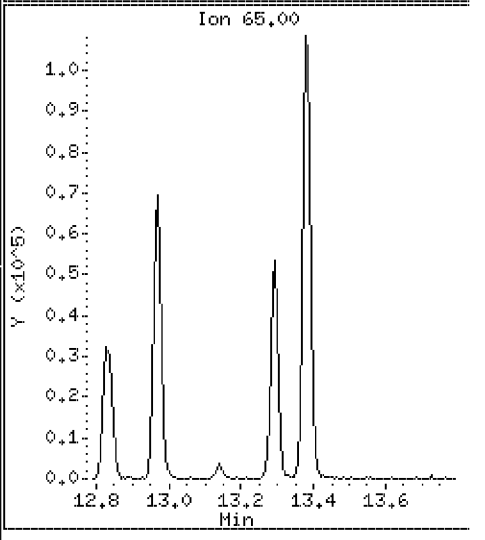












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

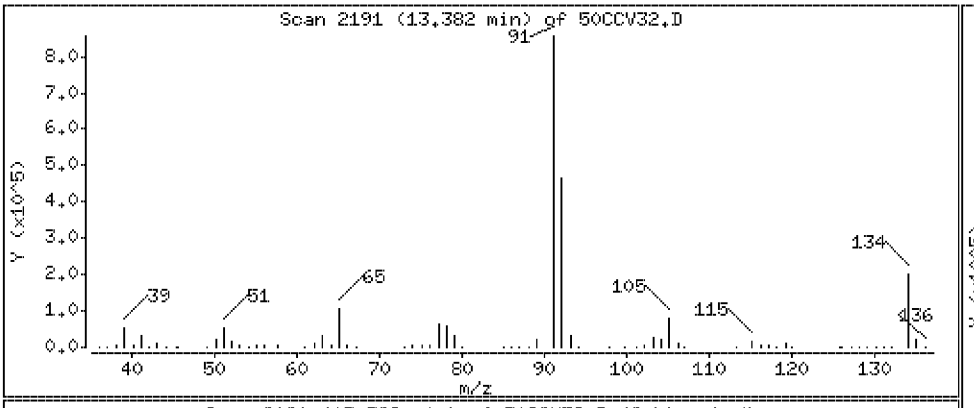
Client ID: 061407CCVA32 Instrument: vms03.i

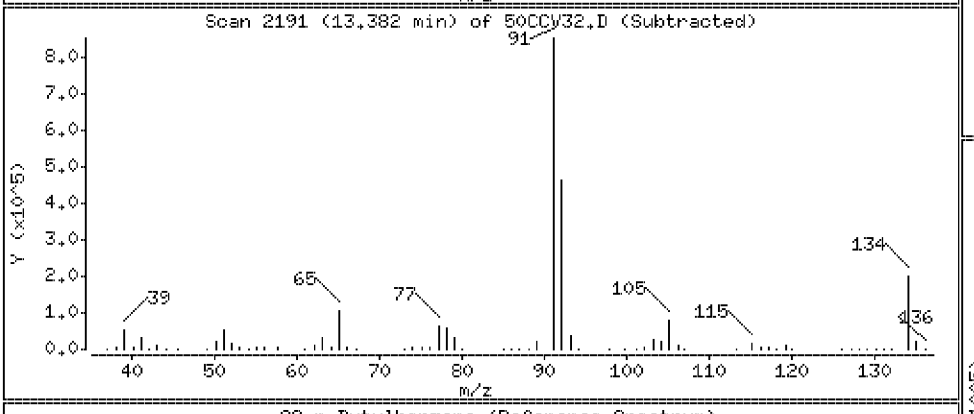
Sample Info: 061407CCV2A32

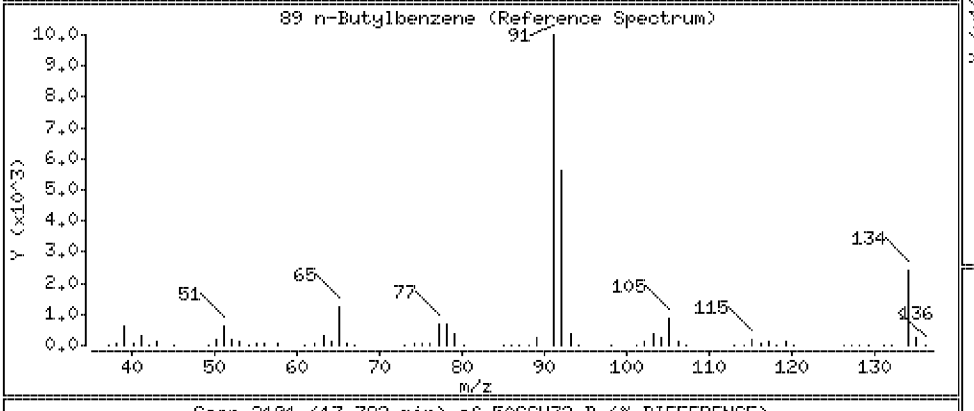
Purge Volume: 5.0 Operator:

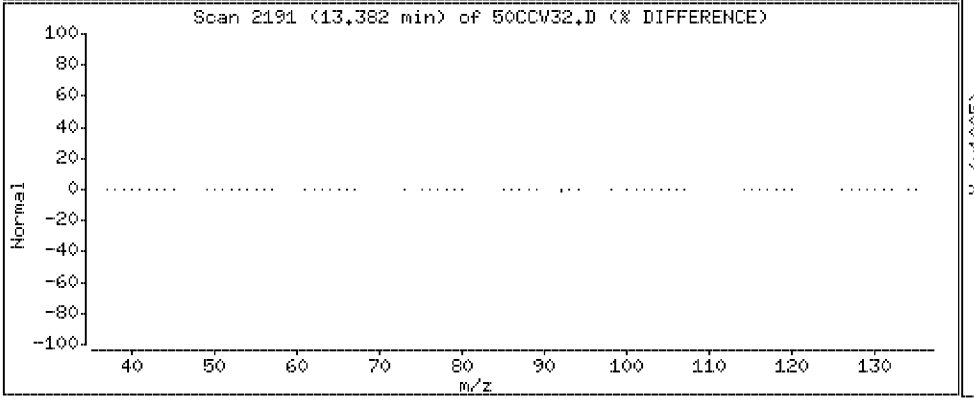
Column phase: DB-624 Column diameter: 0.18

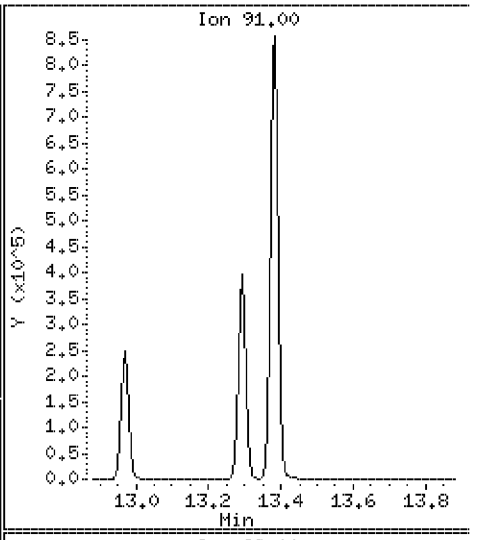
89 n-Butylbenzene Concentration: 52.2 ug/l

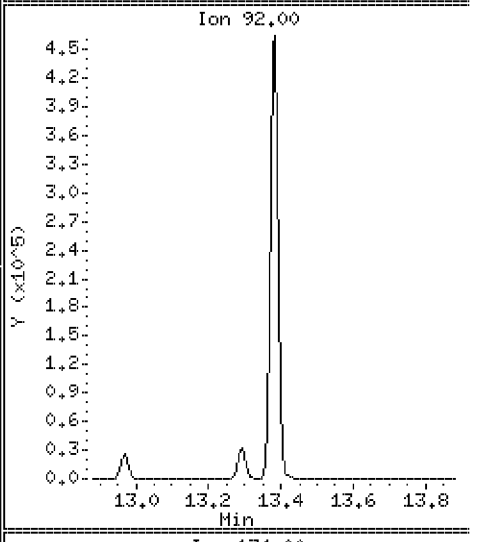


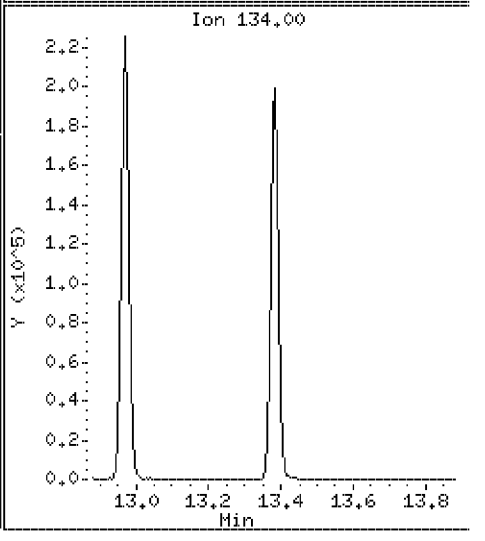












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

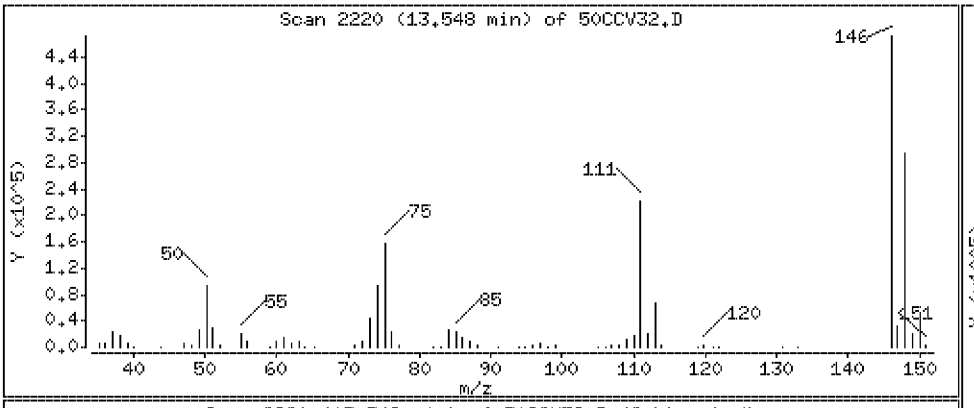
Client ID: 061407CCVA32 Instrument: vms03.i

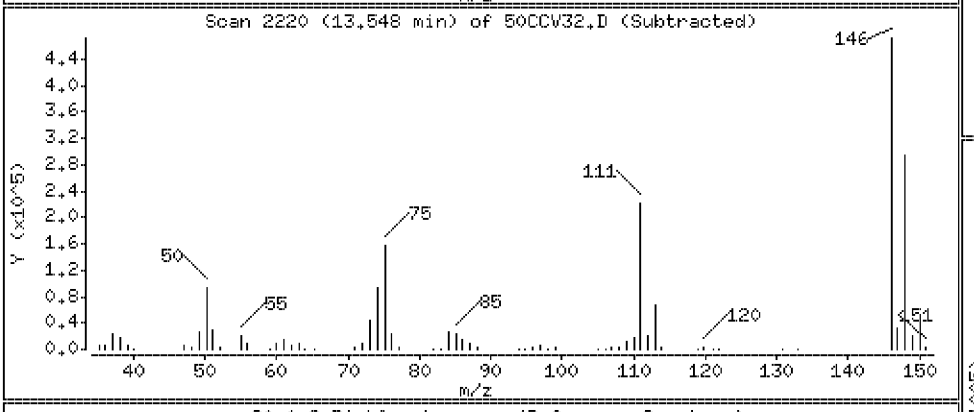
Sample Info: 061407CCV2A32

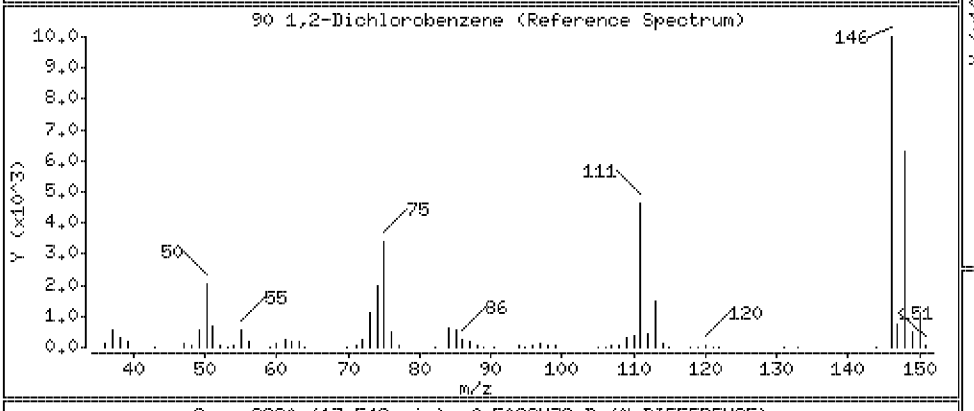
Purge Volume: 5.0 Operator:

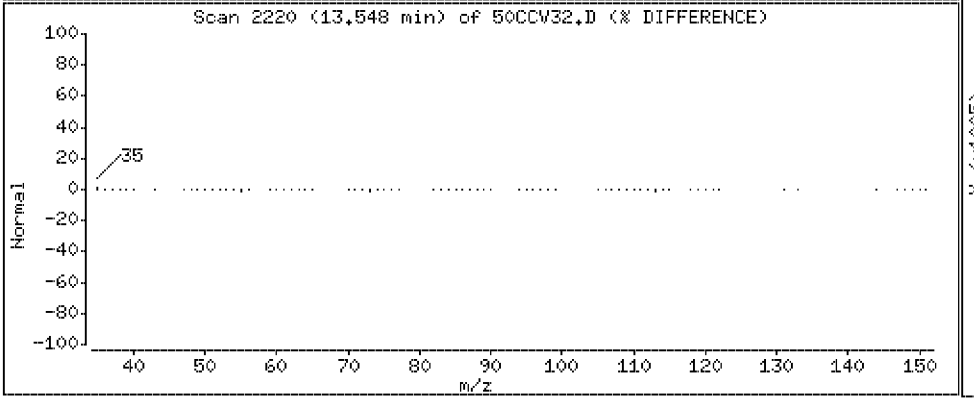
Column phase: DB-624 Column diameter: 0.18

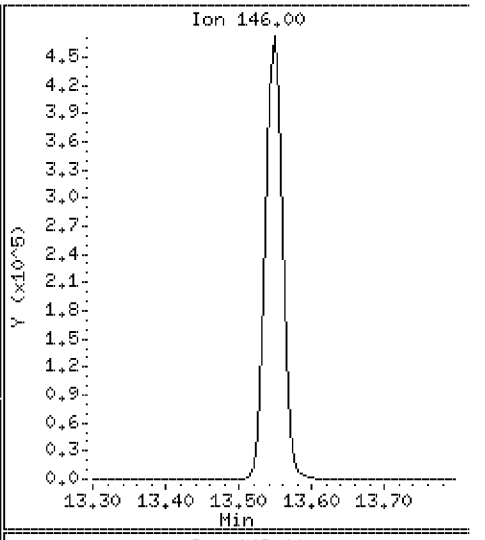
90 1,2-Dichlorobenzene Concentration: 49.3 ug/l

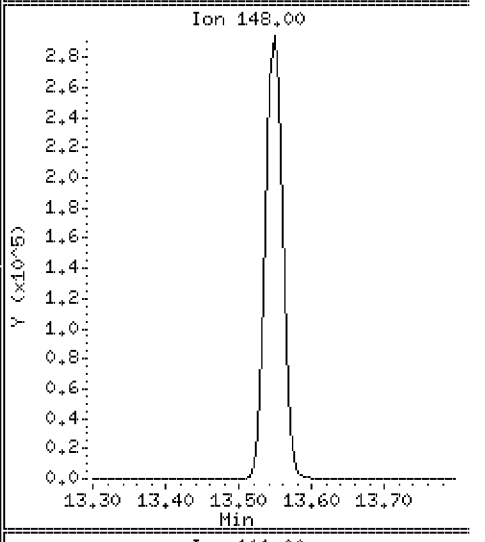


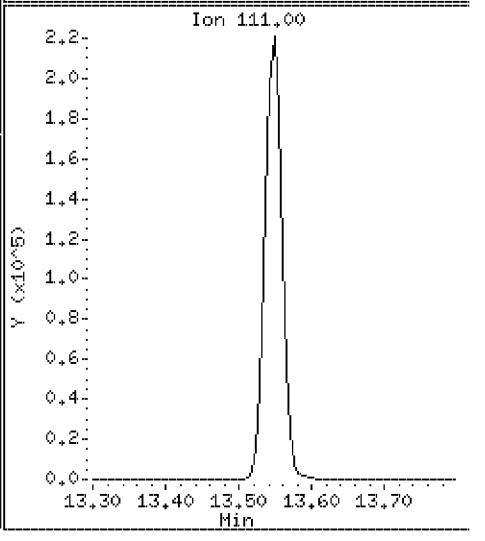












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

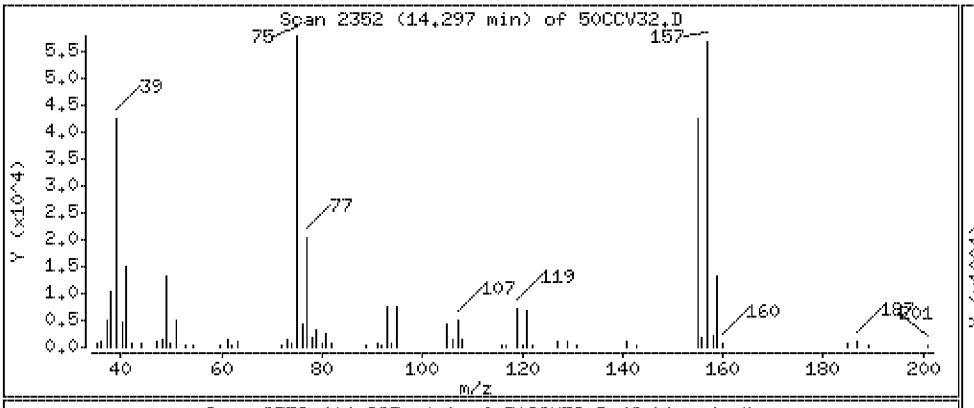
Client ID: 061407CCVA32 Instrument: vms03.i

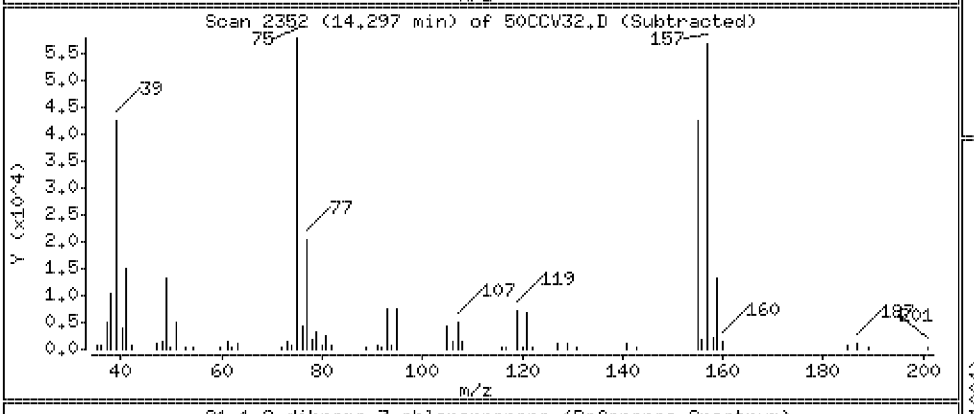
Sample Info: 061407CCV2A32

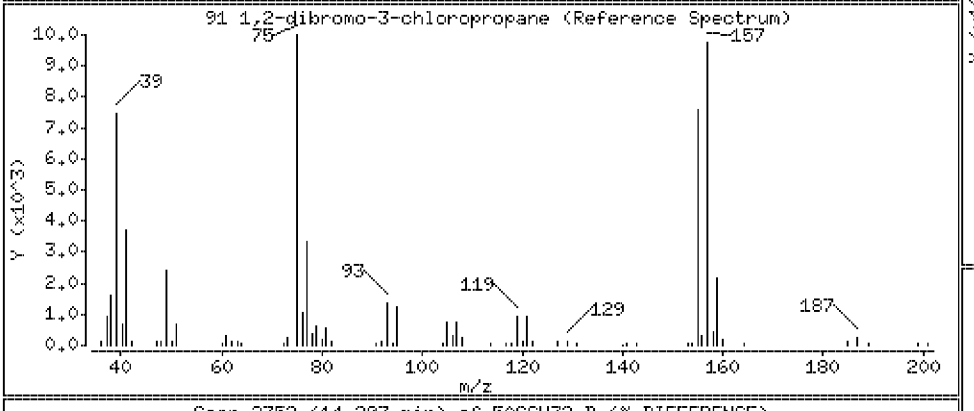
Purge Volume: 5.0 Operator:

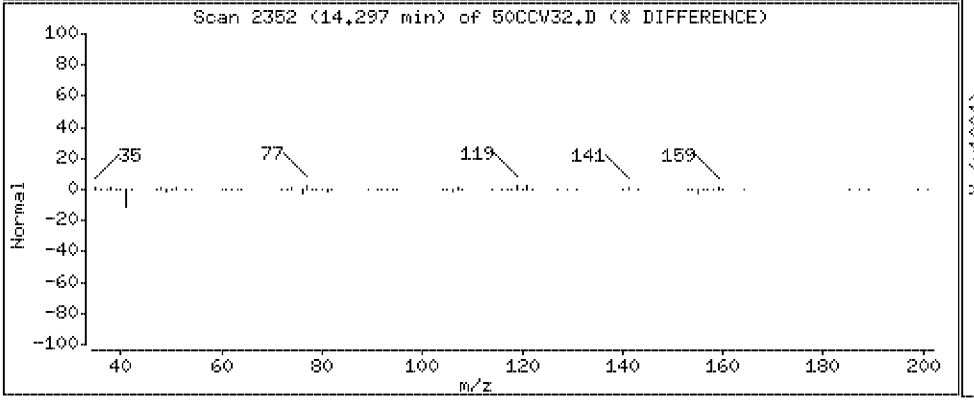
Column phase: DB-624 Column diameter: 0.18

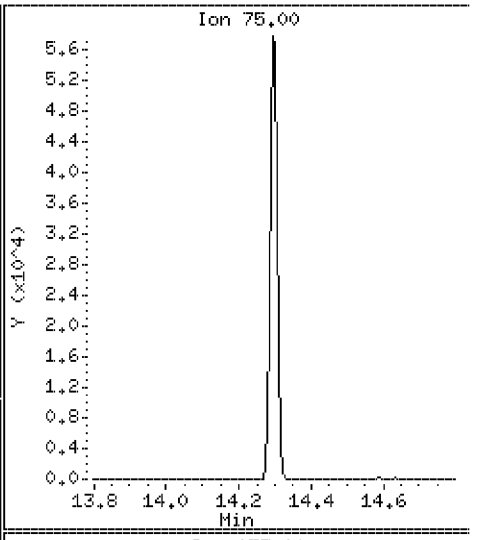
91 1,2-dibromo-3-chloropropane Concentration: 50.5 ug/l

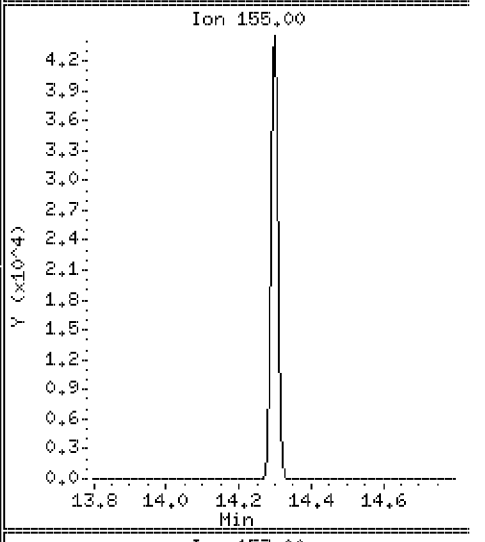


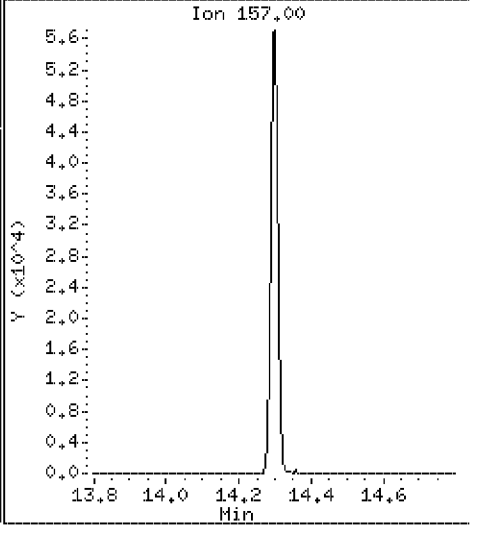












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

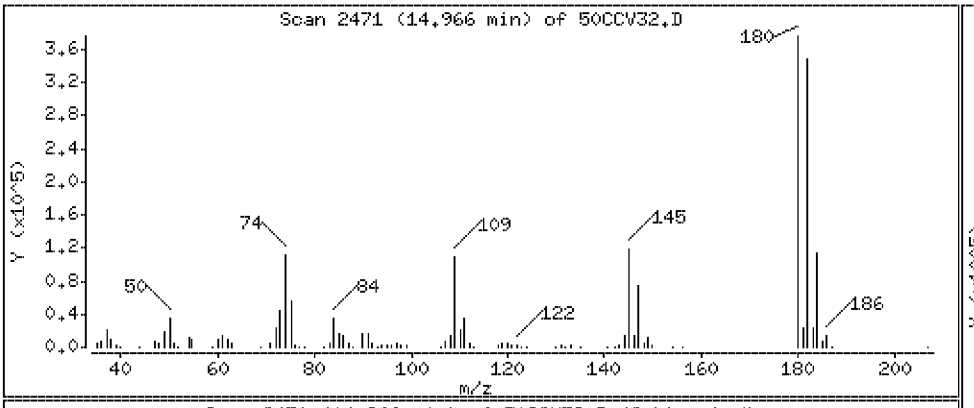
Client ID: 061407CCVA32 Instrument: vms03.i

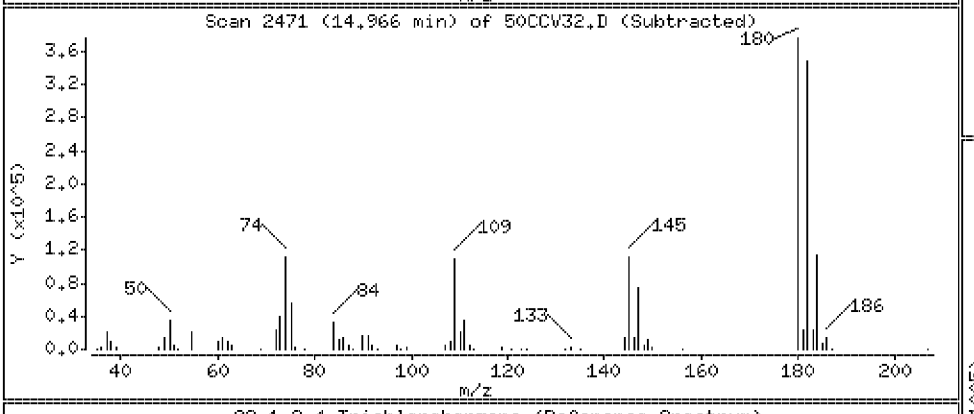
Sample Info: 061407CCV2A32

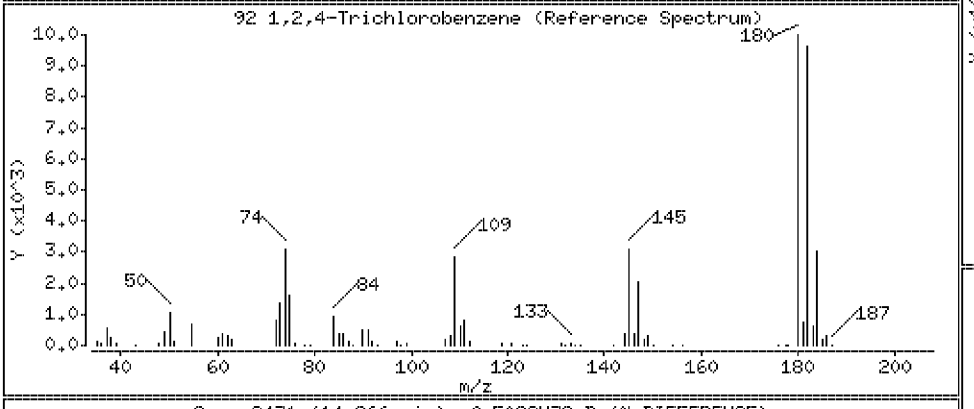
Purge Volume: 5.0 Operator:

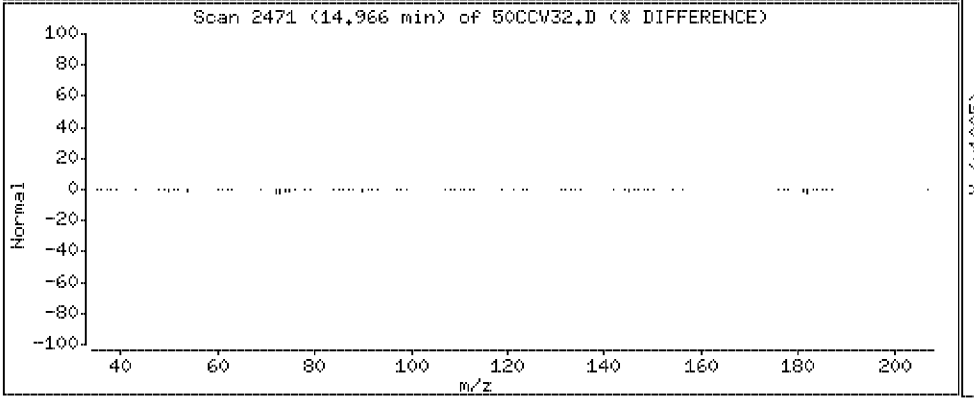
Column phase: DB-624 Column diameter: 0.18

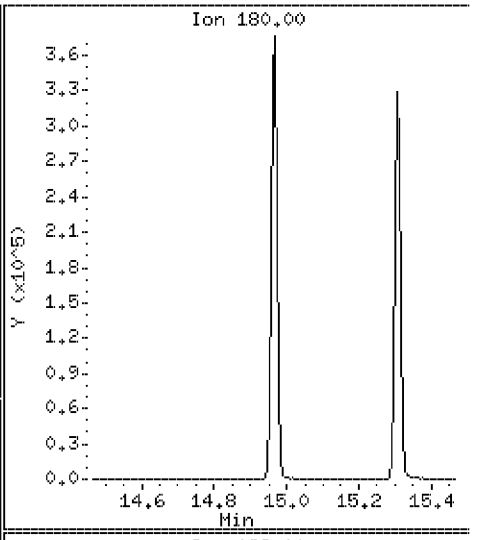
92 1,2,4-Trichlorobenzene Concentration: 50.6 ug/l

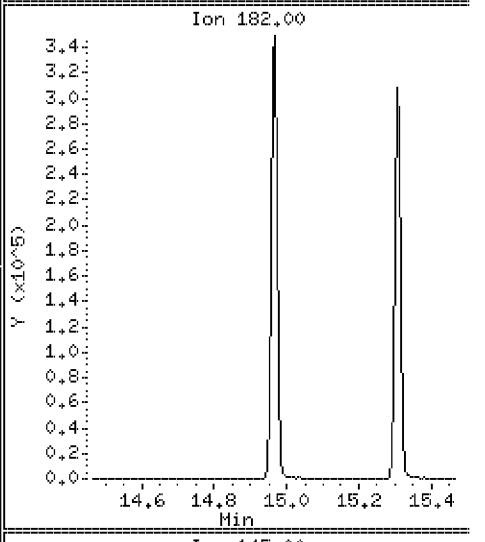


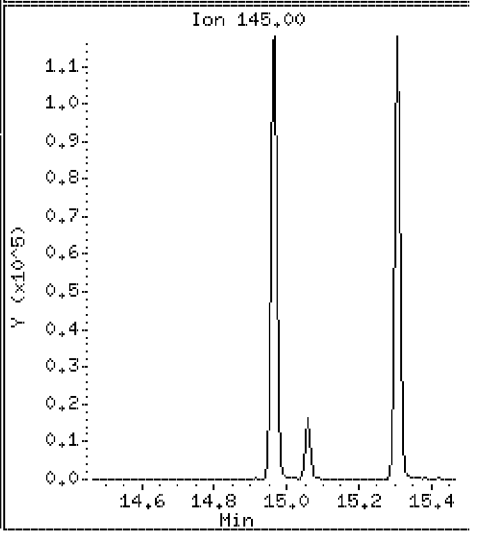












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

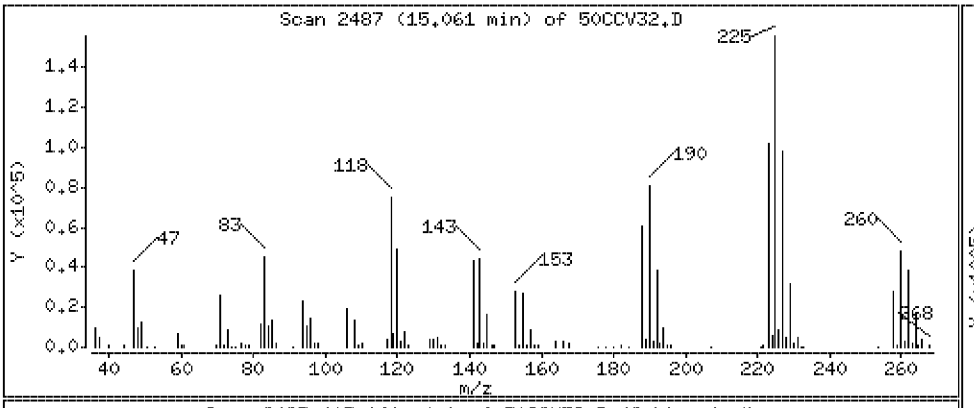
Client ID: 061407CCVA32 Instrument: vms03.i

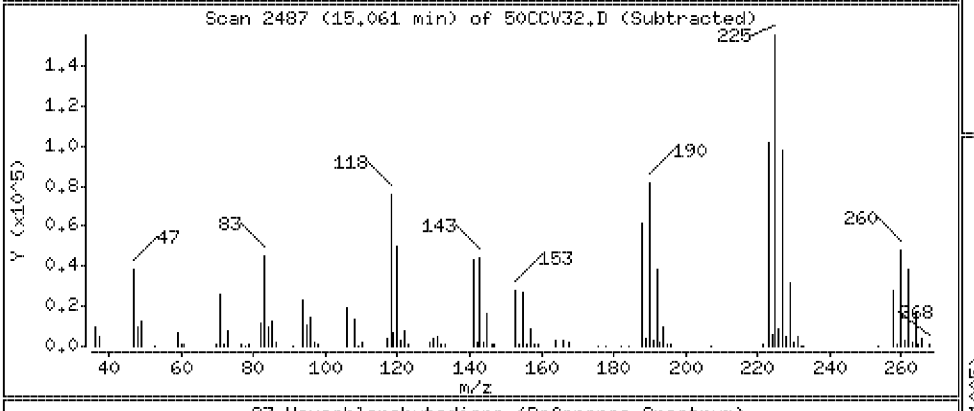
Sample Info: 061407CCV2A32

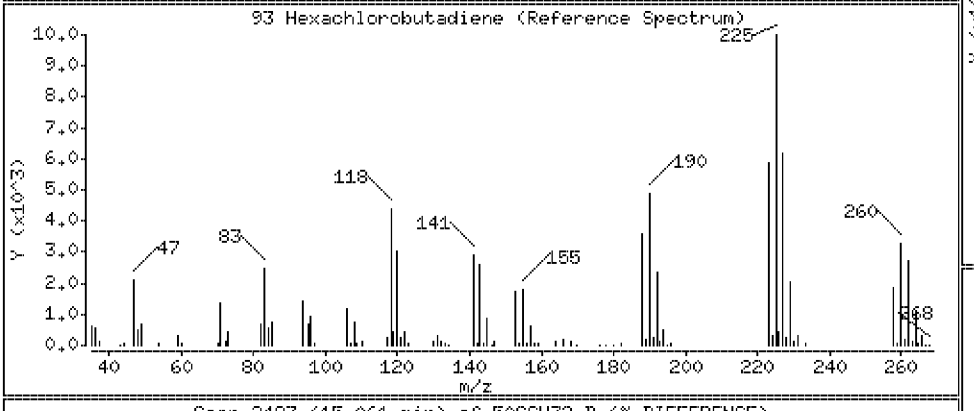
Purge Volume: 5.0 Operator:

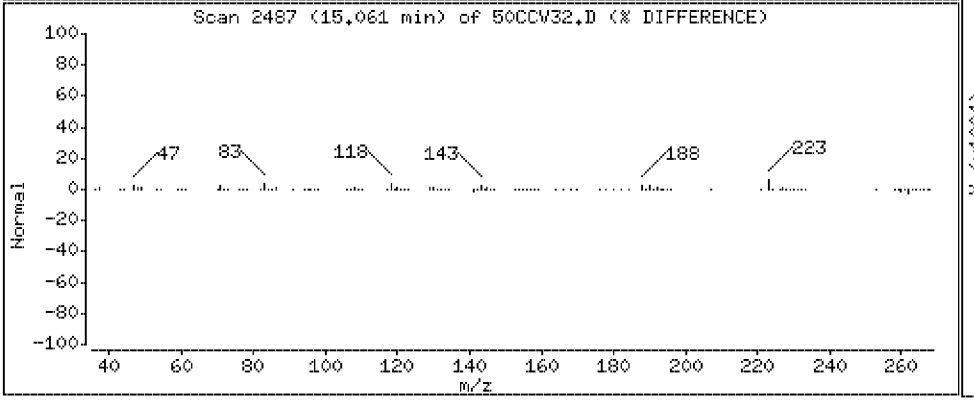
Column phase: DB-624 Column diameter: 0.18

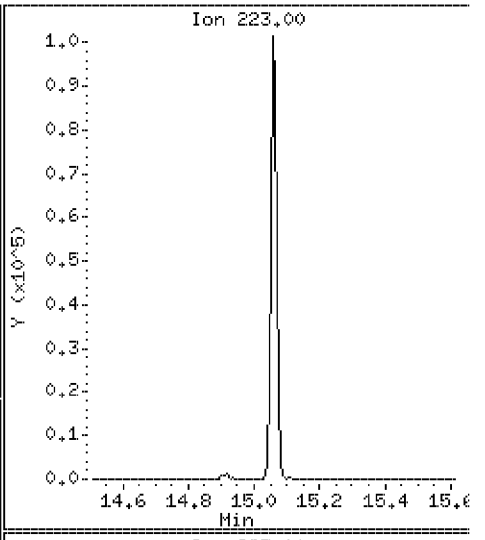
93 Hexachlorobutadiene Concentration: 49.8 ug/l

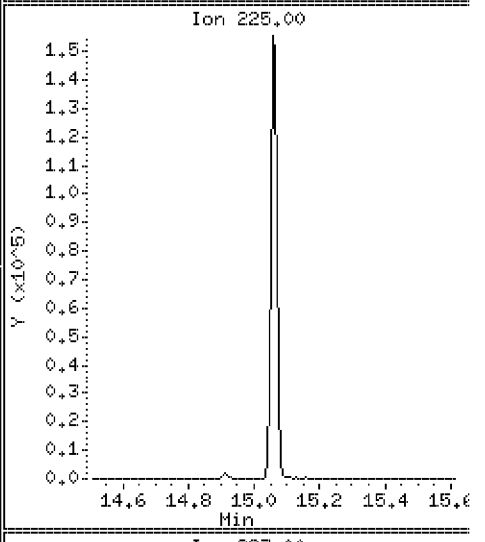


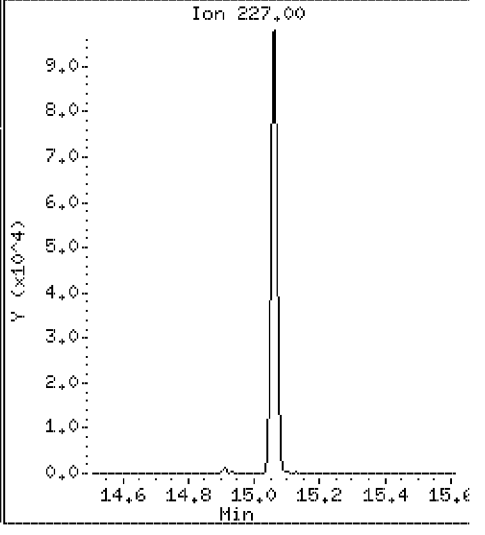












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

Client ID: 061407CCVA32

Instrument: vms03.i

Sample Info: 061407CCV2A32

Purge Volume: 5.0

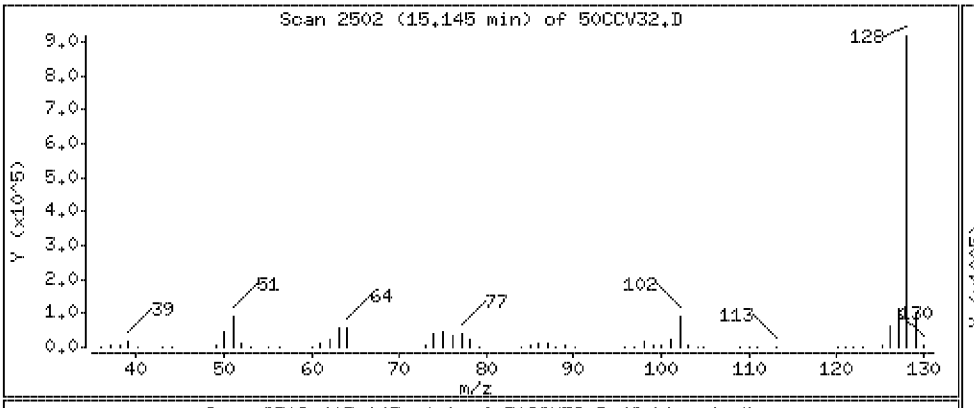
Operator:

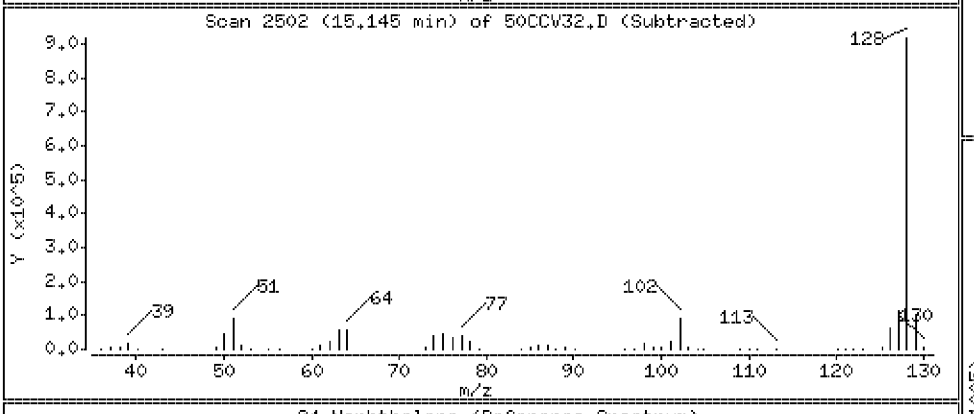
Column phase: DB-624

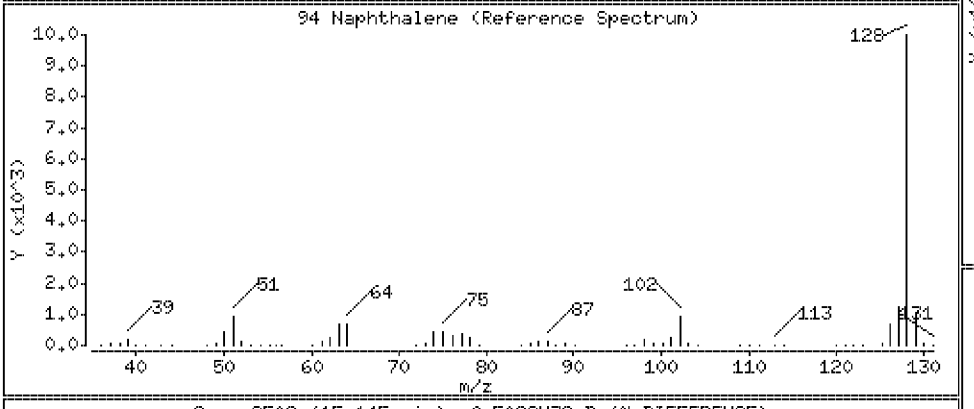
Column diameter: 0.18

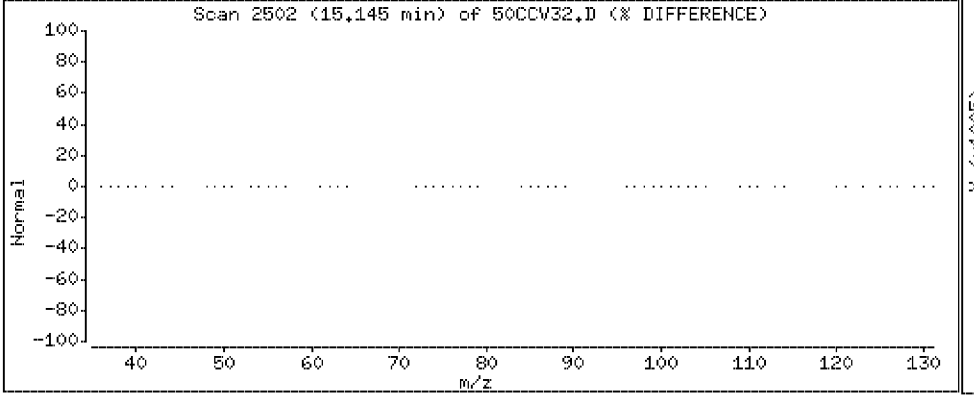
94 Naphthalene

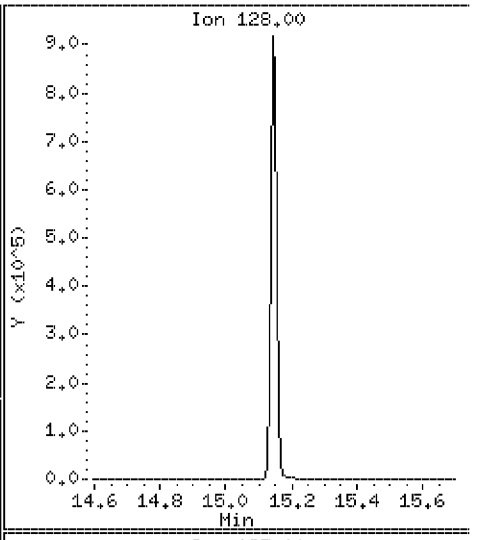
Concentration: 47.4 ug/l

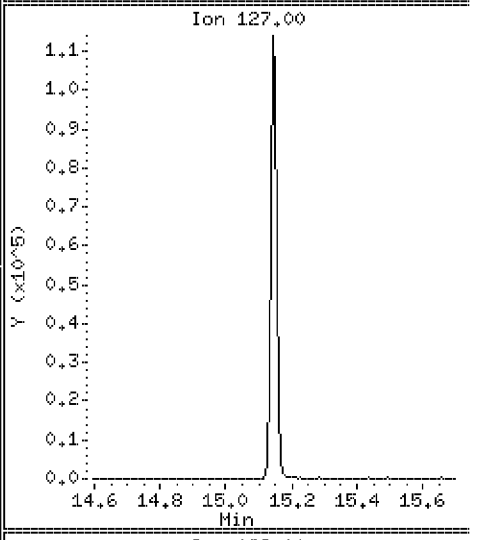


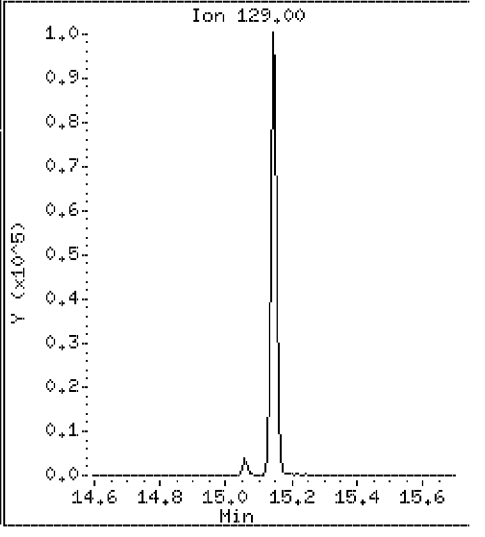












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

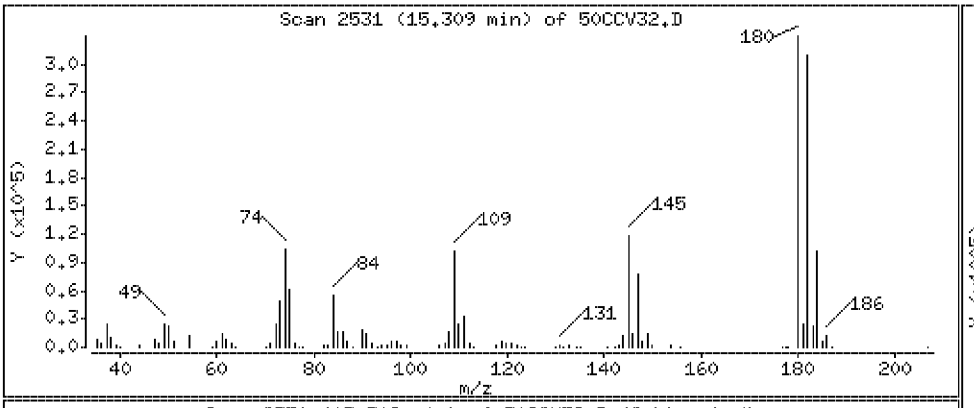
Client ID: 061407CCVA32 Instrument: vms03.i

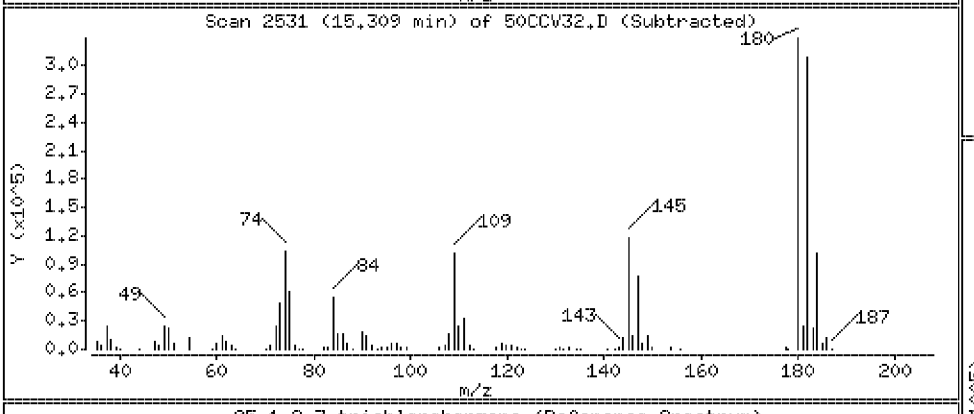
Sample Info: 061407CCV2A32

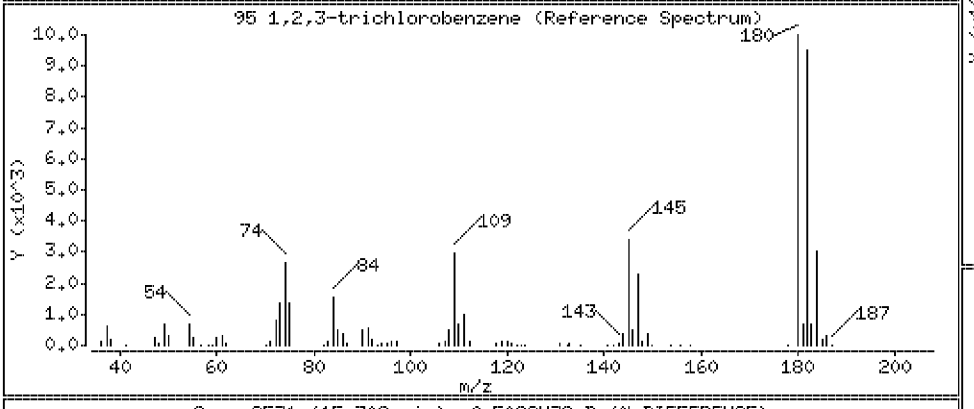
Purge Volume: 5.0 Operator:

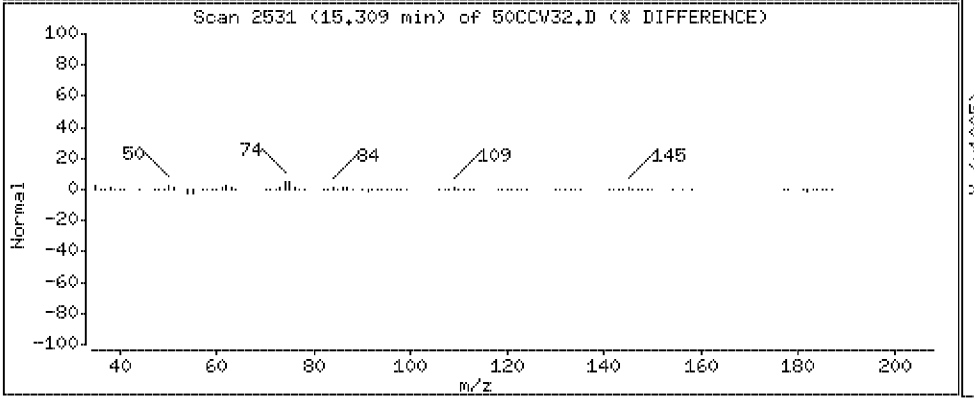
Column phase: DB-624 Column diameter: 0.18

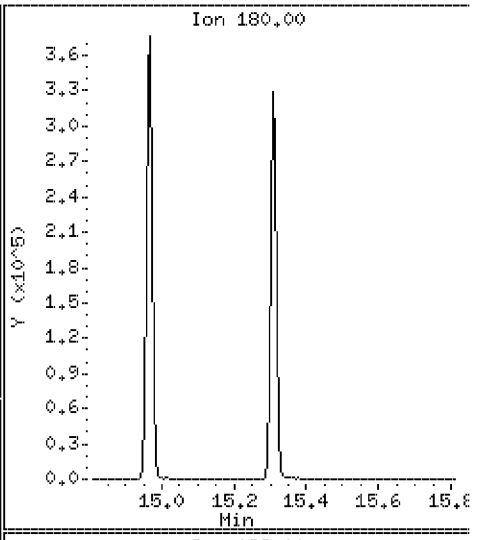
95 1,2,3-trichlorobenzene Concentration: 48.4 ug/l

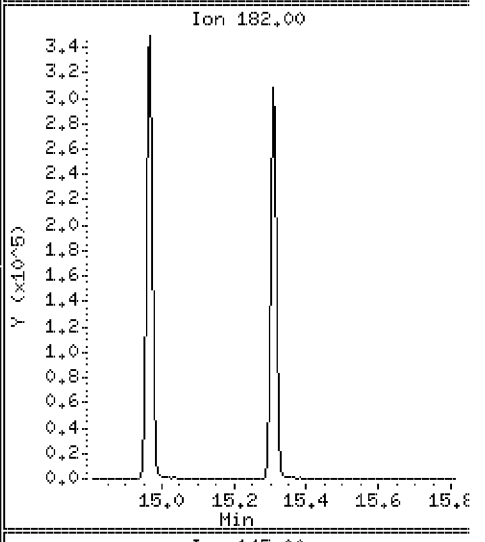


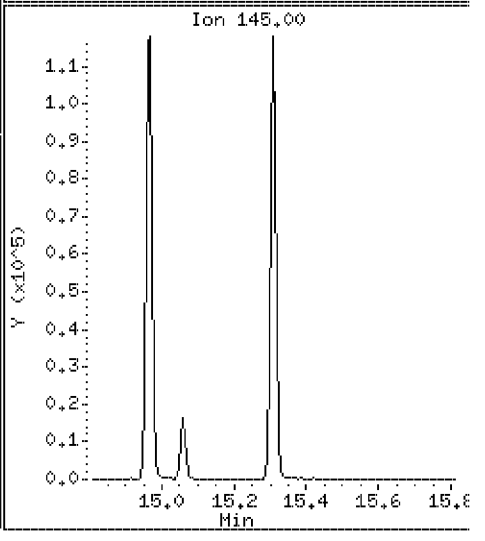












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

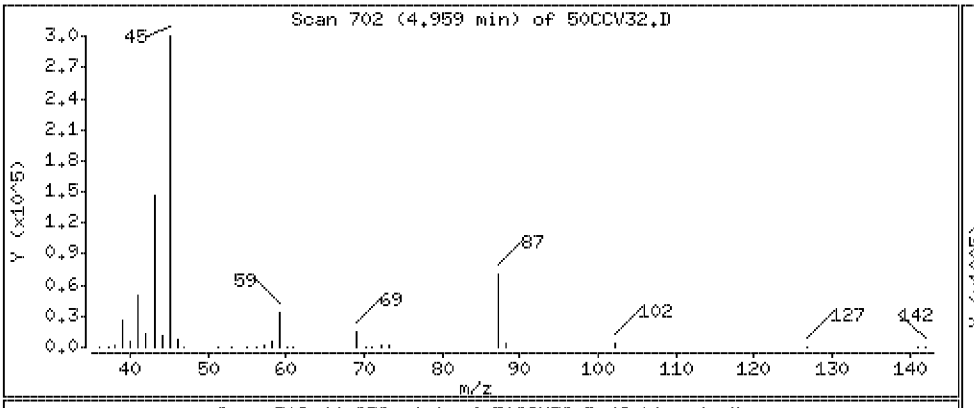
Client ID: 061407CCVA32 Instrument: vms03.i

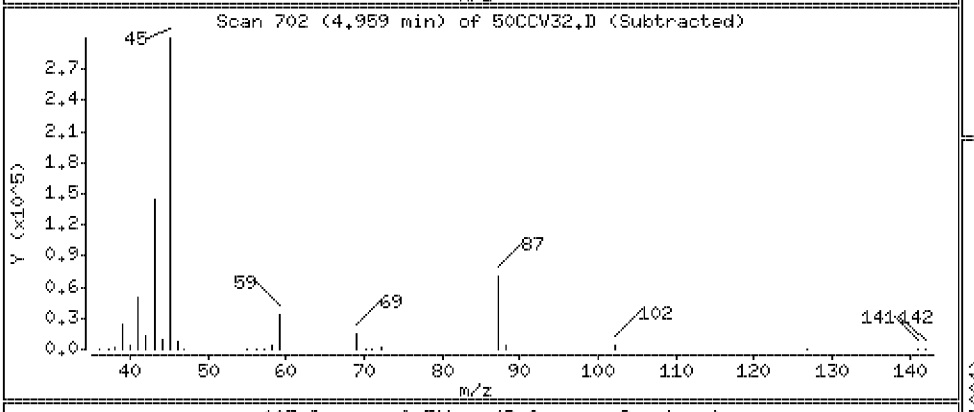
Sample Info: 061407CCV2A32

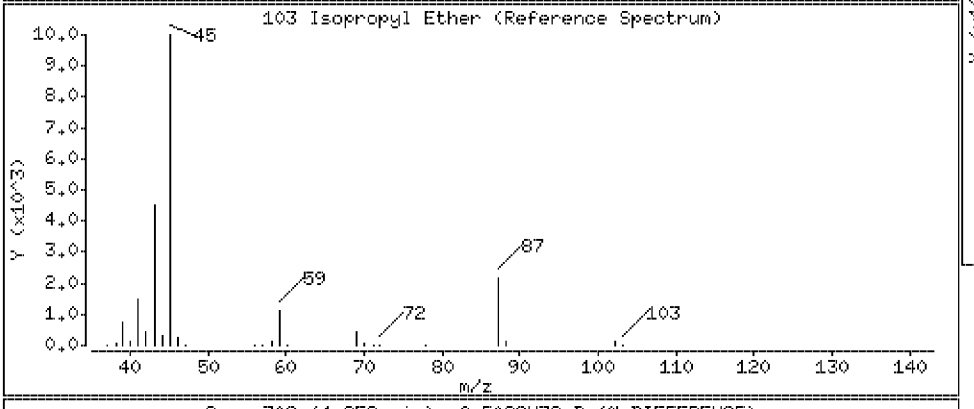
Purge Volume: 5.0 Operator:

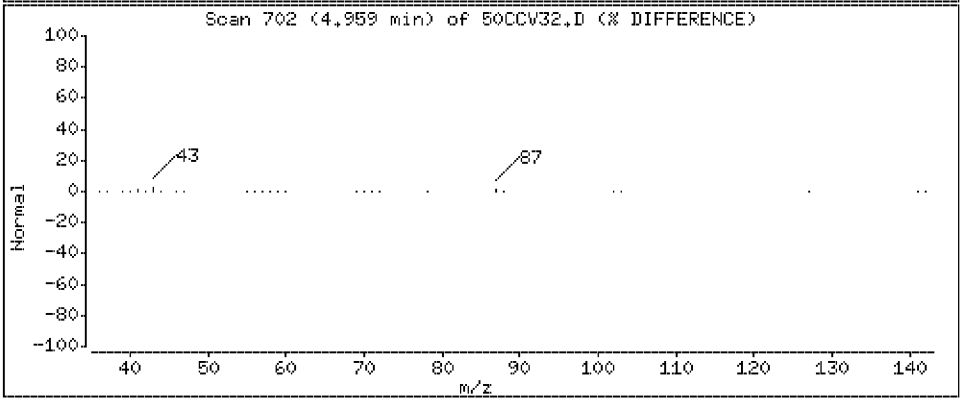
Column phase: DB-624 Column diameter: 0.18

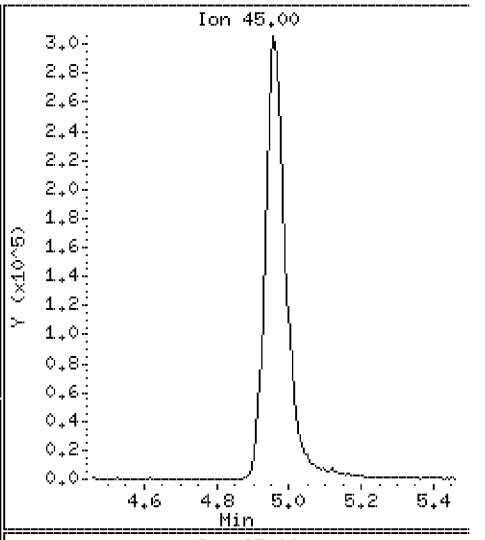
103 Isopropyl Ether Concentration: 51.4 ug/l

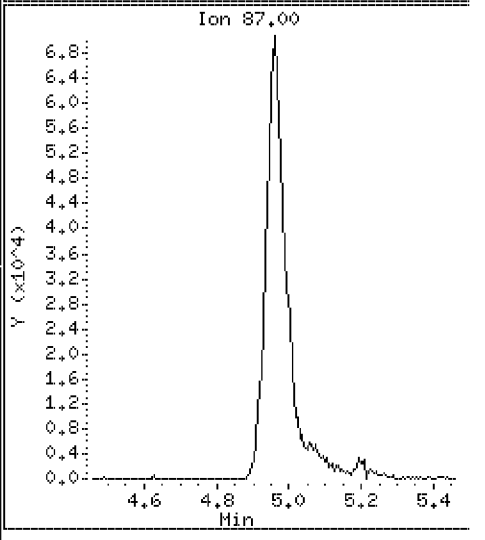












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

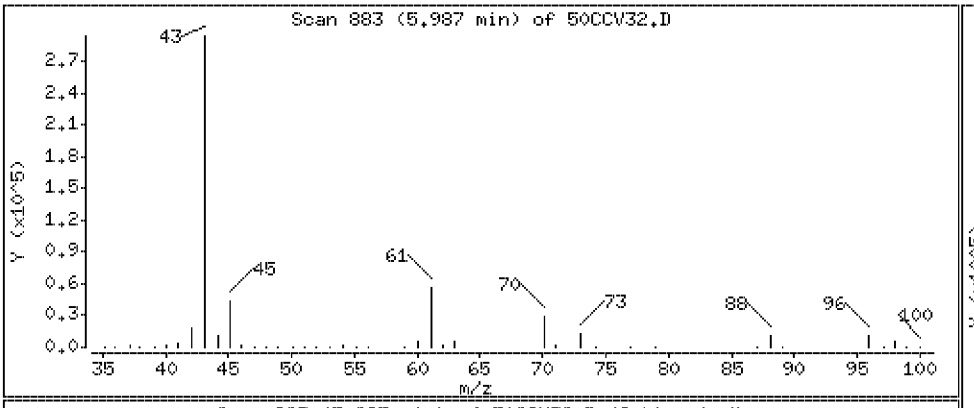
Client ID: 061407CCVA32 Instrument: vms03.i

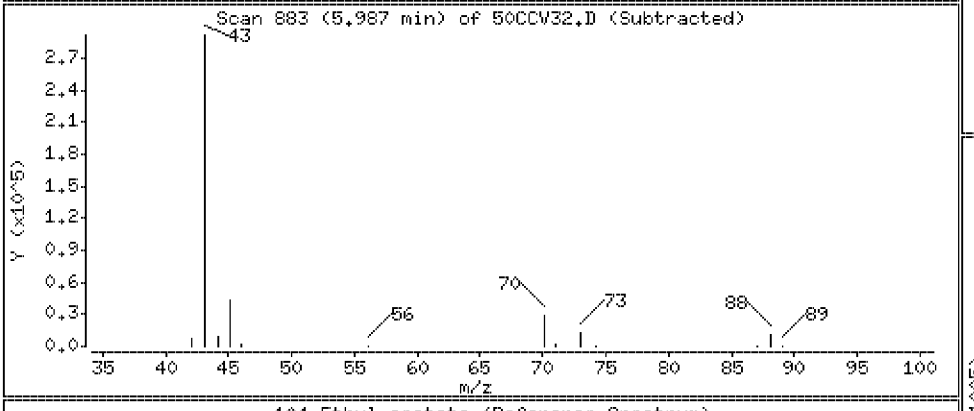
Sample Info: 061407CCV2A32

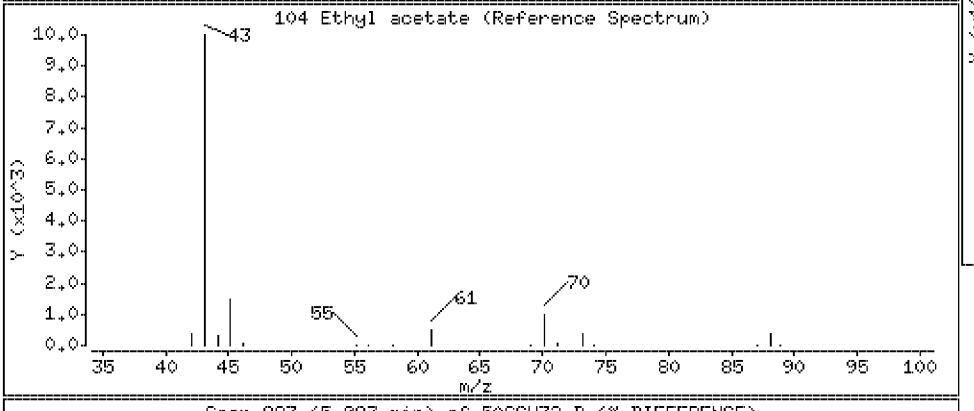
Purge Volume: 5.0 Operator:

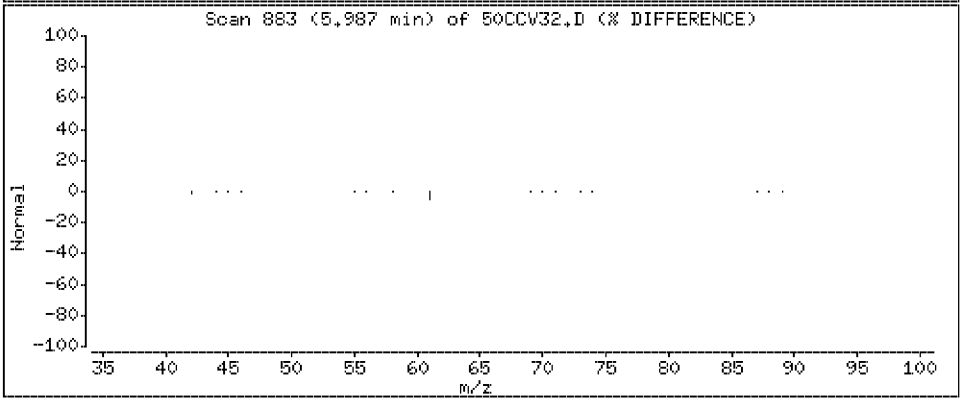
Column phase: DB-624 Column diameter: 0.18

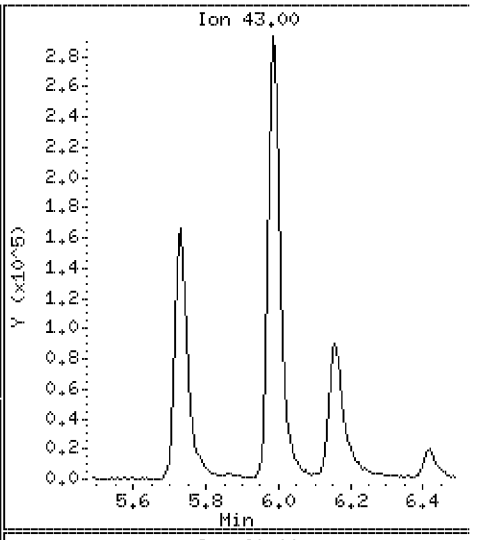
104 Ethyl acetate Concentration: 95.6 ug/l

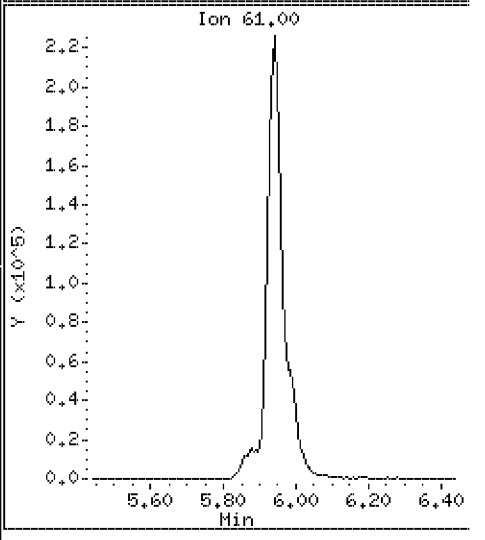












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

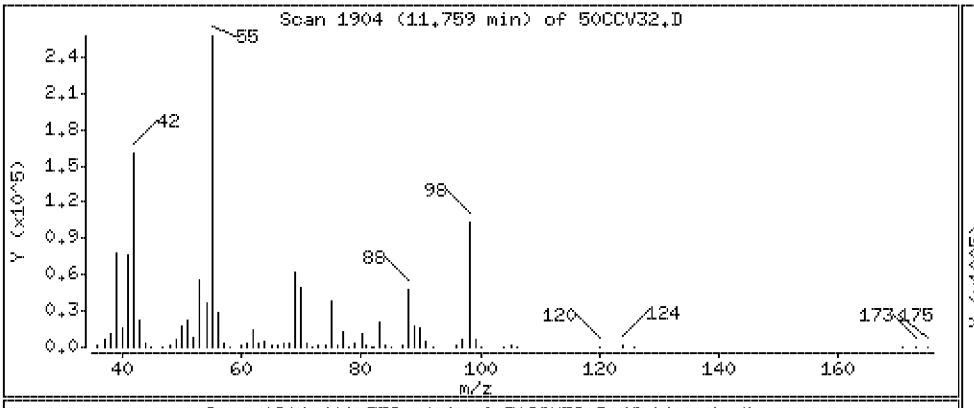
Client ID: 061407CCVA32 Instrument: vms03.i

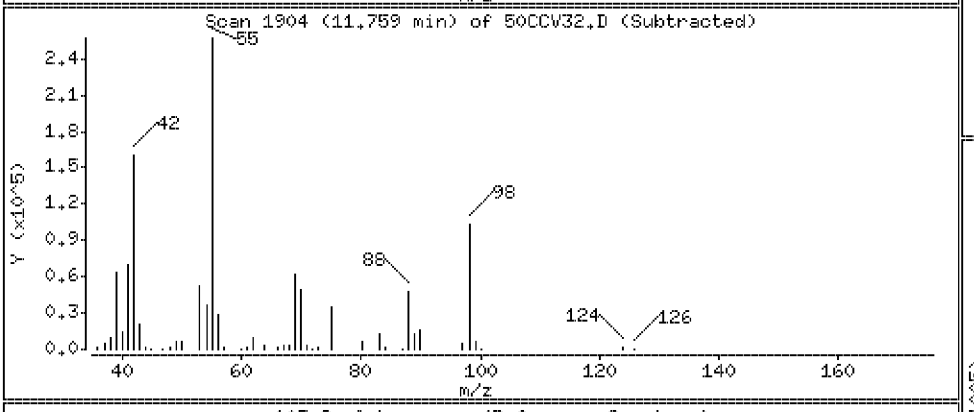
Sample Info: 061407CCV2A32

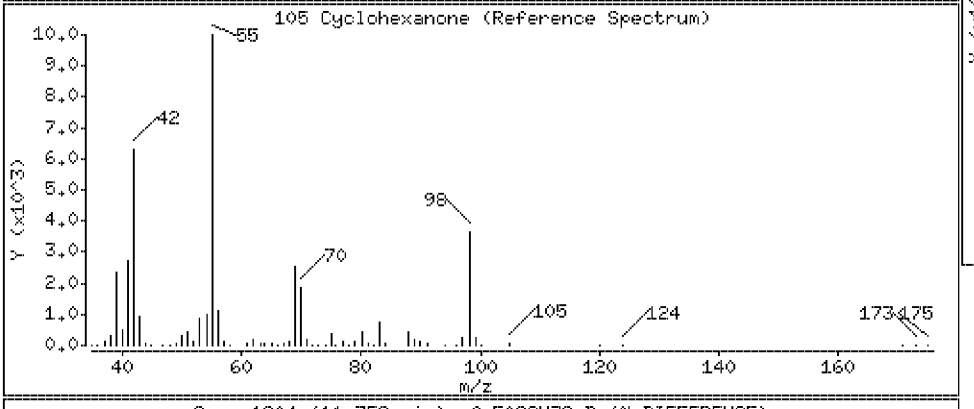
Purge Volume: 5.0 Operator:

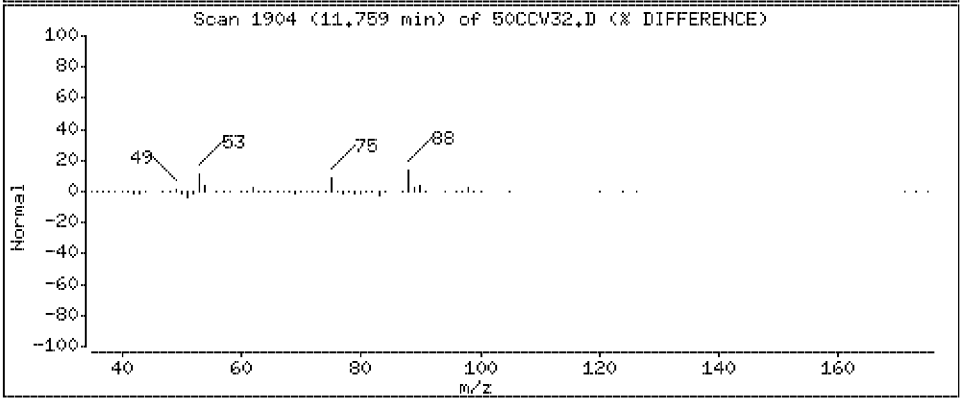
Column phase: DB-624 Column diameter: 0.18

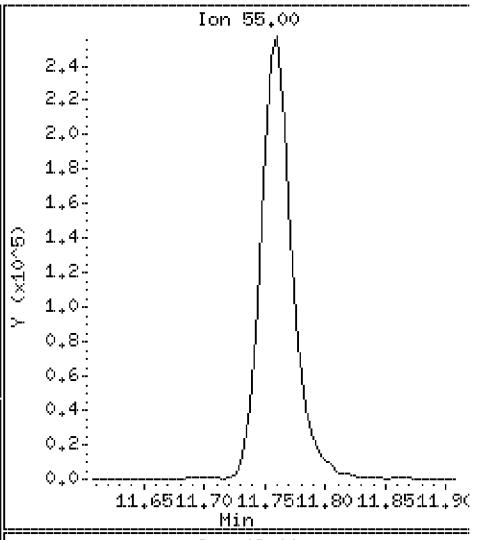
105 Cyclohexanone Concentration: 409 ug/l

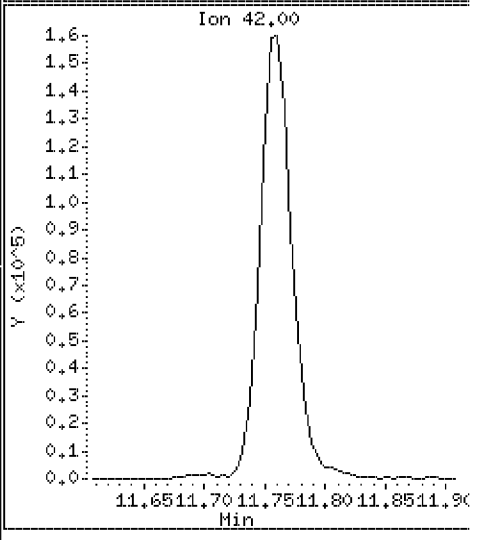












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

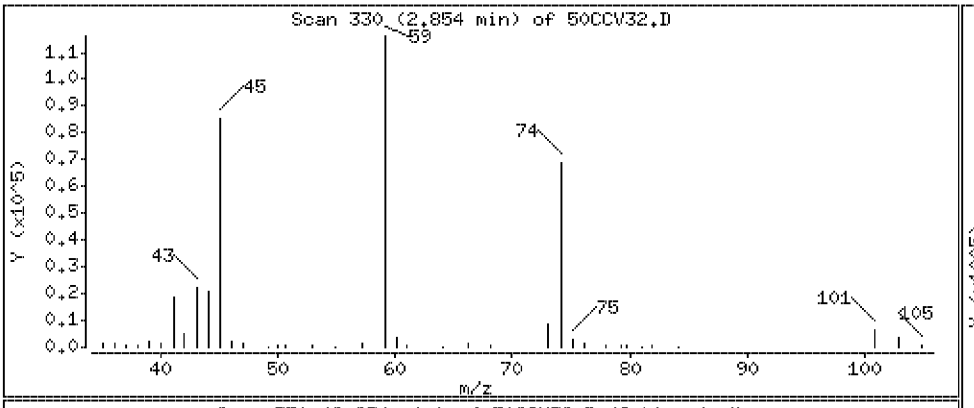
Client ID: 061407CCVA32 Instrument: vms03.i

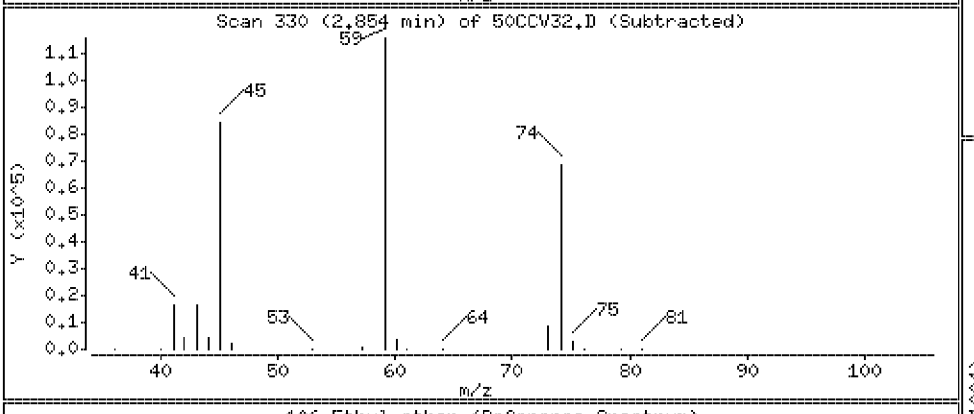
Sample Info: 061407CCV2A32

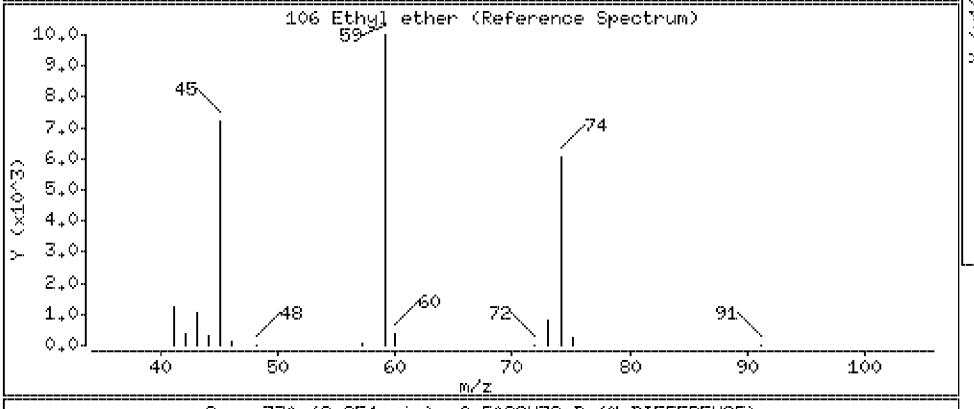
Purge Volume: 5.0 Operator:

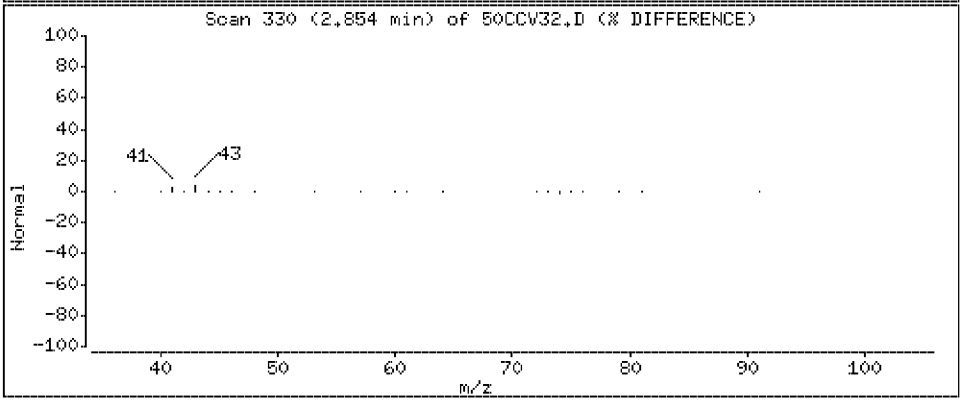
Column phase: DB-624 Column diameter: 0.18

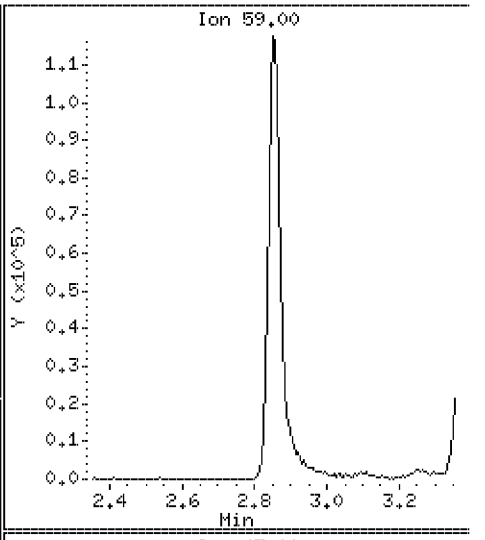
106 Ethyl ether Concentration: 48.7 ug/l

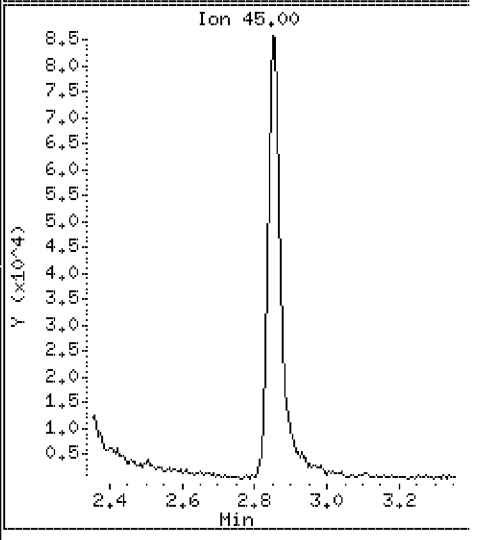












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Date : 14-JUN-2007 06:20

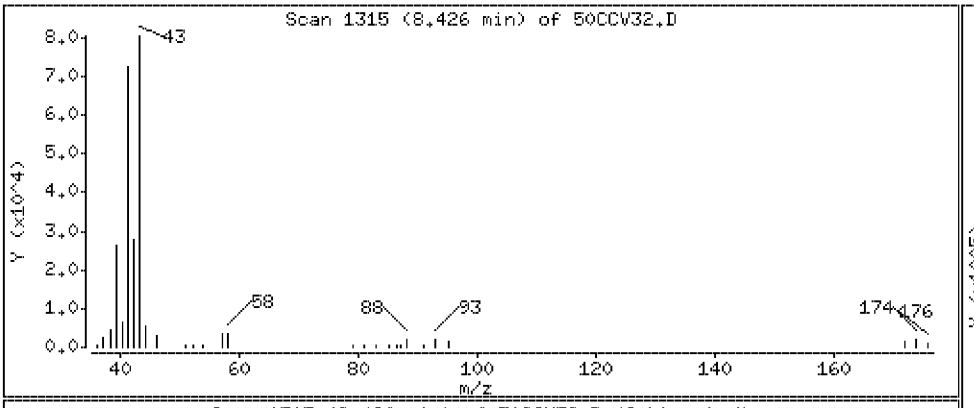
Client ID: 061407CCVA32 Instrument: vms03.i

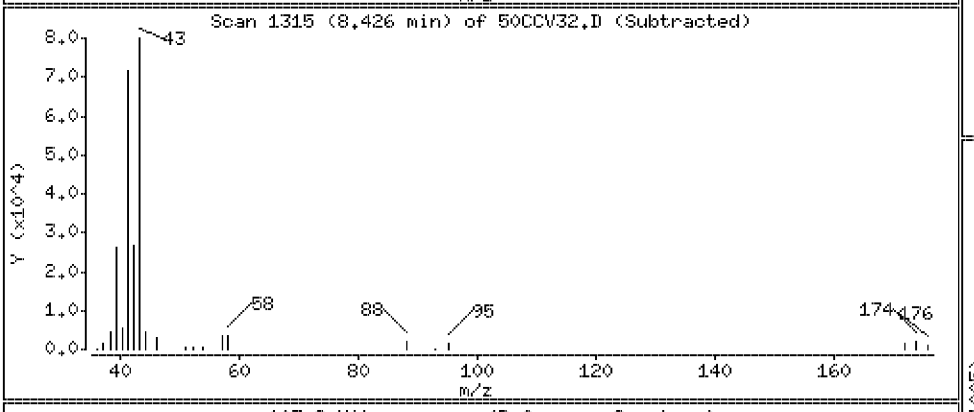
Sample Info: 061407CCV2A32

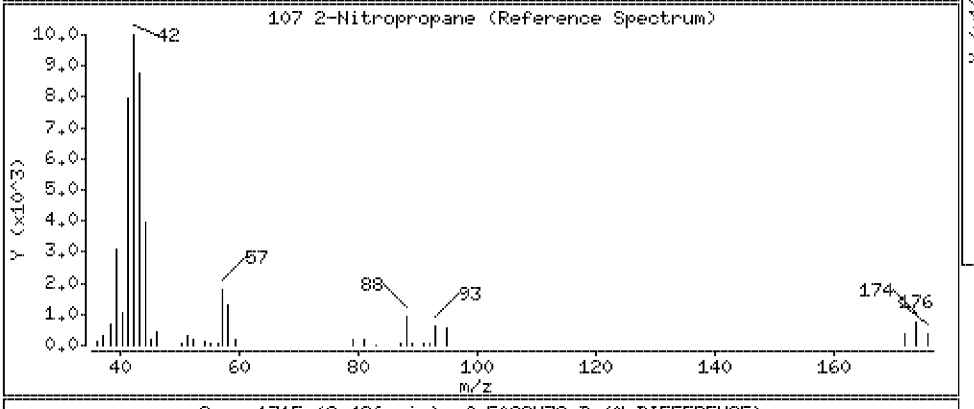
Purge Volume: 5.0 Operator:

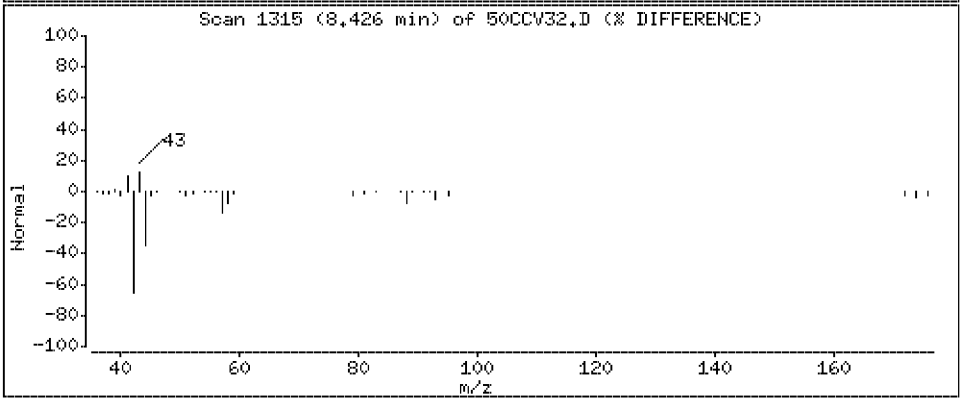
Column phase: DB-624 Column diameter: 0.18

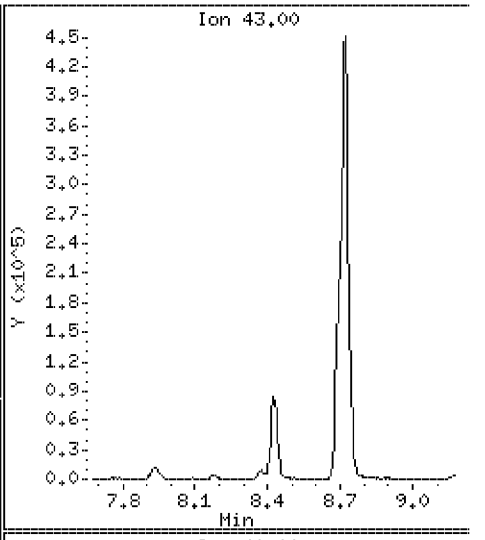
107 2-Nitropropane Concentration: 108 ug/l

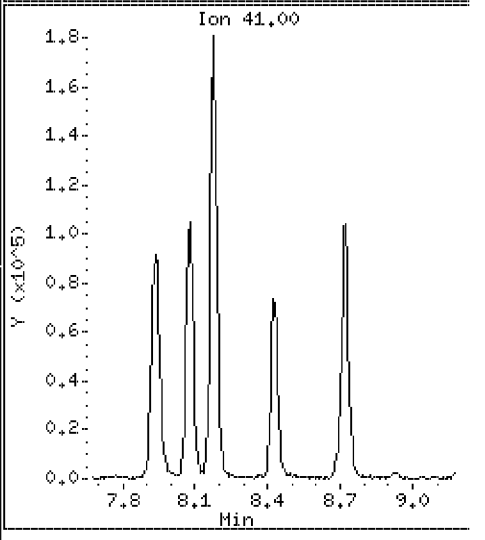












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Date : 14-JUN-2007 06:20

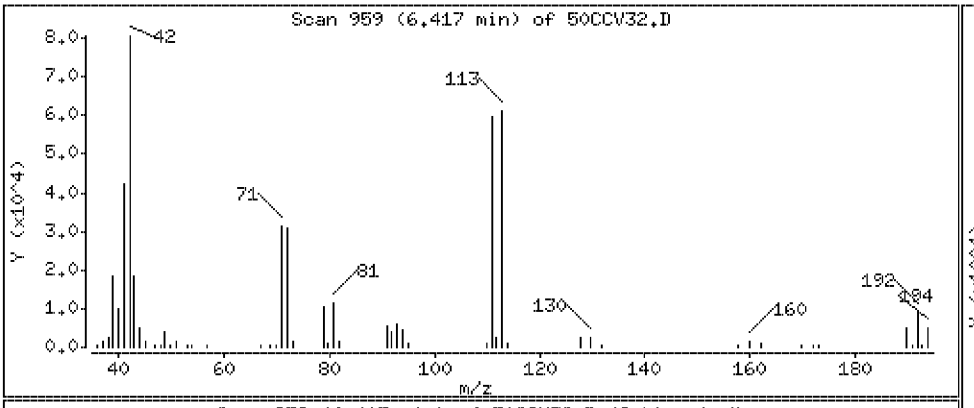
Client ID: 061407CCVA32 Instrument: vms03.i

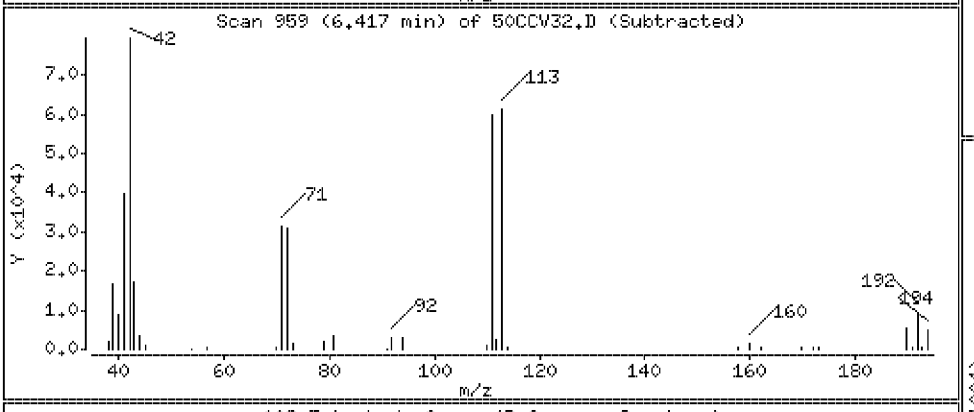
Sample Info: 061407CCV2A32

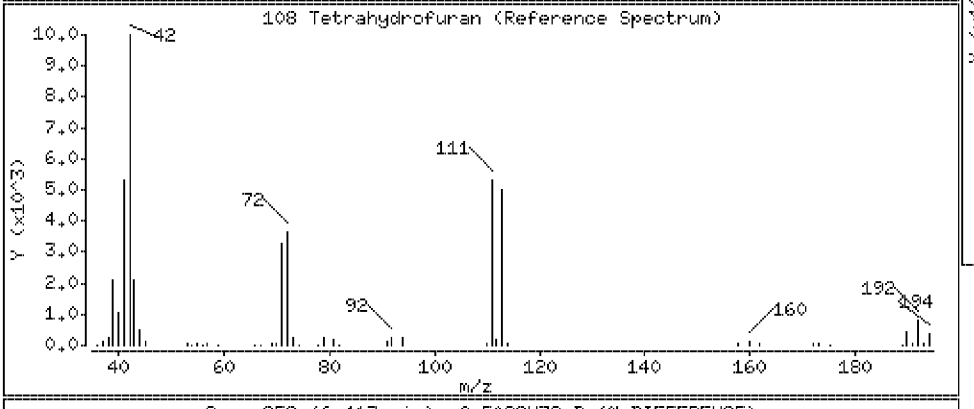
Purge Volume: 5.0 Operator:

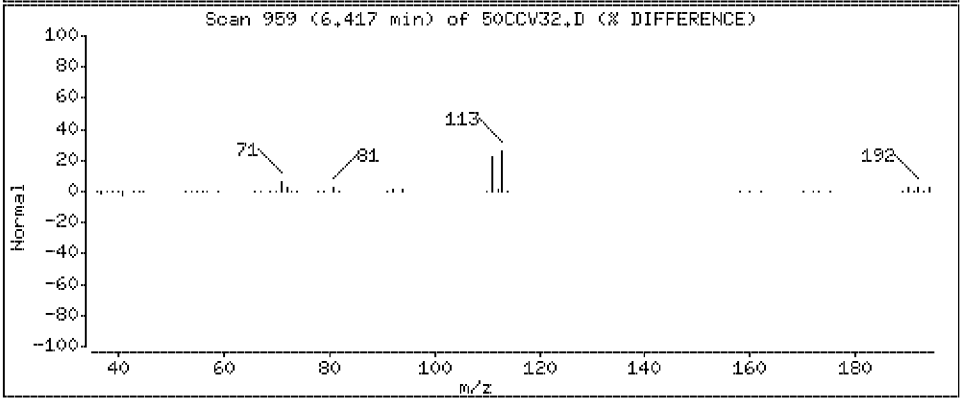
Column phase: DB-624 Column diameter: 0.18

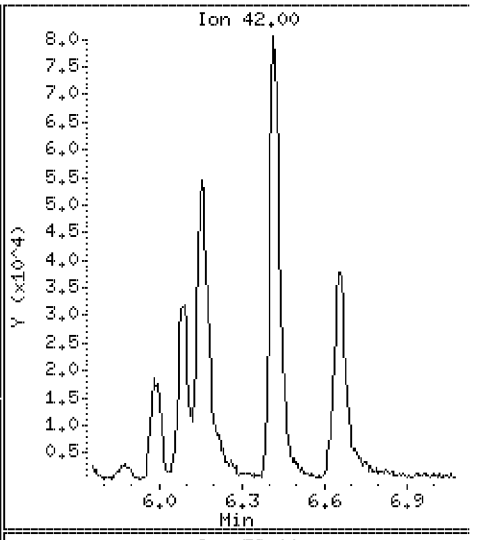
108 Tetrahydrofuran Concentration: 88.4 ug/l

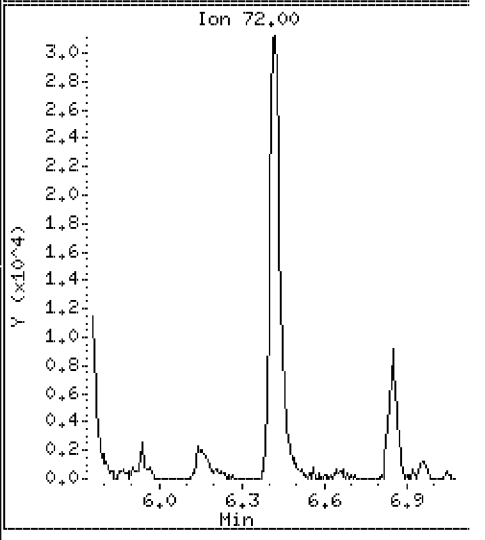












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\50CCV32.D

Date : 14-JUN-2007 06:20

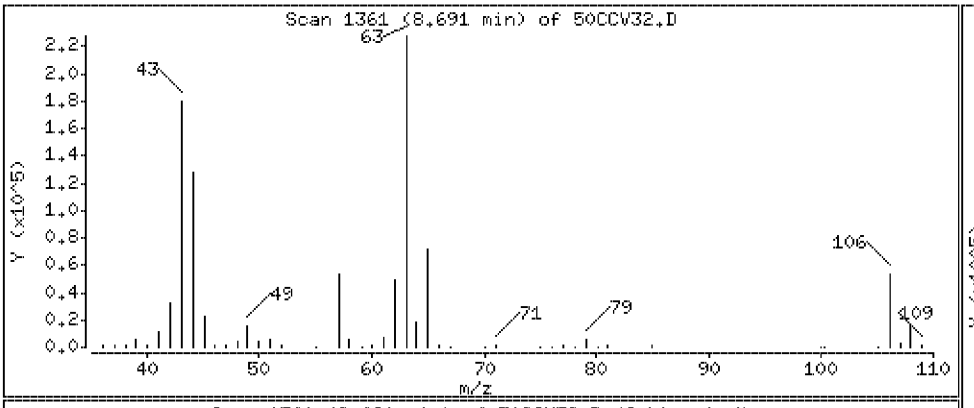
Client ID: 061407CCVA32 Instrument: vms03.i

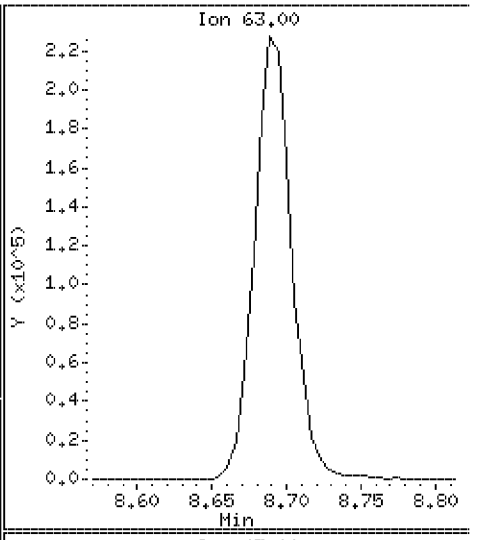
Sample Info: 061407CCV2A32

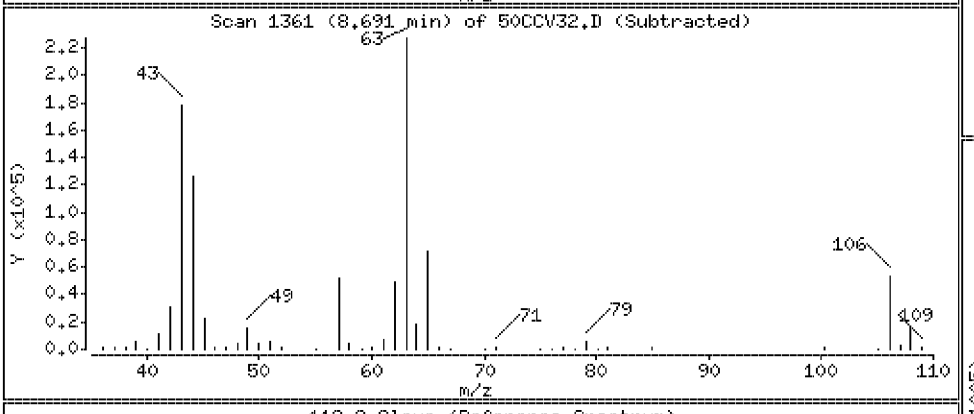
Purge Volume: 5.0 Operator:

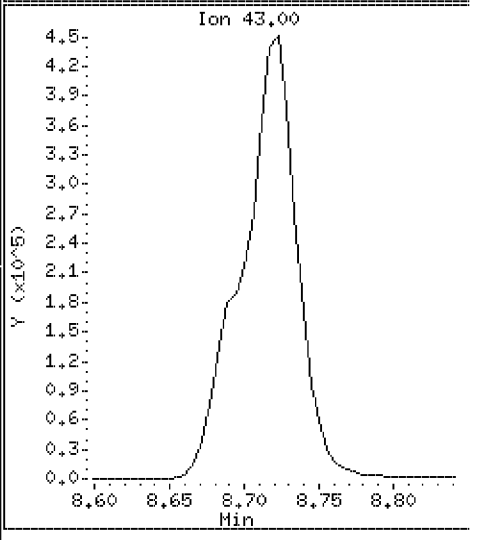
Column phase: DB-624 Column diameter: 0.18

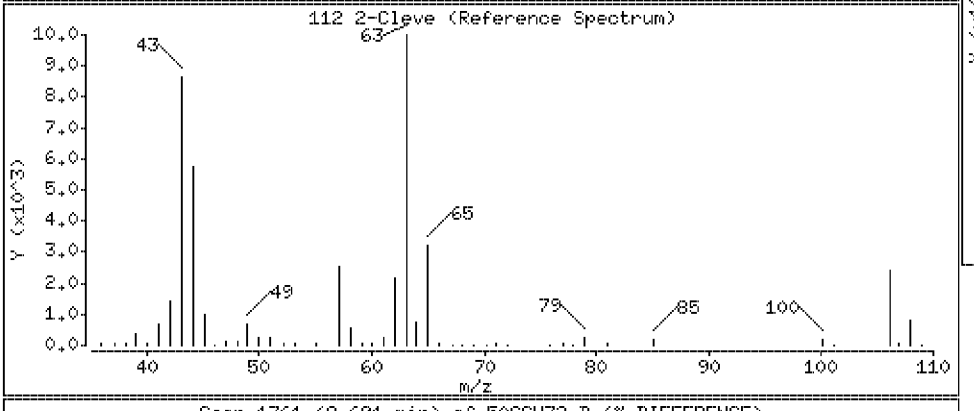
112 2-Cleve Concentration: 97.4 ug/l

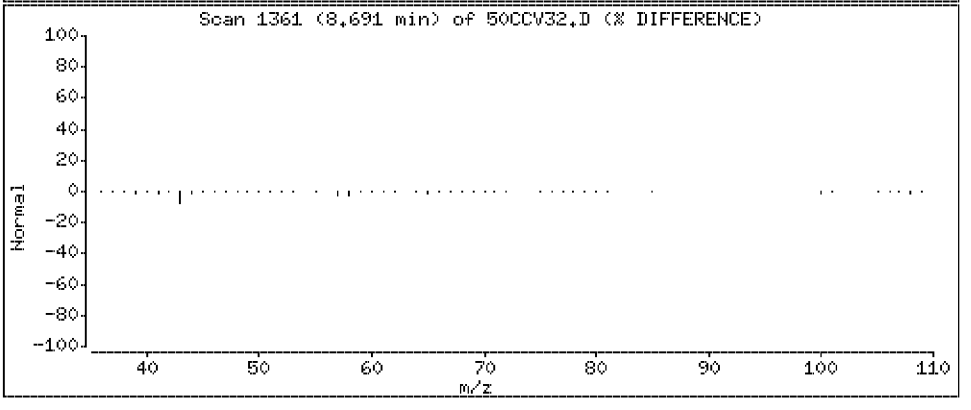












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3061407.b\LCS32.D
Lab Smp Id: 061407LCSA32 Client Smp ID: 061407LCSA32
Inj Date : 14-JUN-2007 07:01
Operator : Inst ID: vms03.i
Smp Info : 061407LCSA32
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3061407.b\8260A.m
Meth Date : 19-Jun-2007 14:49 lpelo Quant Type: ISTD
Cal Date : 22-MAY-2007 09:03 Cal File: 80PPB.D
Als bottle: 5 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				383600	45.7777	45.8
M 2 Xylenes (Total)	100				1184227	62.8375	62.8
M 3 Trihalomethanes (Total)	100				737155	88.0019	88.0
4 Dichlorodifluoromethane	85	1.461	1.455	(0.197)	115482	14.0367	14.0(R)
5 Chloromethane	50	1.669	1.671	(0.225)	170889	18.5317	18.5
6 Vinyl Chloride	62	1.763	1.763	(0.237)	113441	17.2538	17.2
7 Bromomethane	96	2.181	2.186	(0.294)	84940	19.1375	19.1
8 Chloroethane	64	2.274	2.276	(0.306)	99972	20.2749	20.3
9 Trichlorofluoromethane	101	2.523	2.525	(0.340)	193300	16.8154	16.8
10 Acrolein	56	3.014	3.013	(0.406)	82930	62.3771	62.4
11 1,1,2 Trichlorotrifluoromethan	101	3.044	3.046	(0.410)	121876	18.5527	18.6
12 Acetone	43	3.097	3.099	(0.417)	189383	60.5980	60.6
13 1,1-Dichloroethene	61	3.254	3.263	(0.438)	259620	22.9588	23.0
109 t-Butyl-Alcohol	59	3.390	3.391	(0.456)	173584	202.428	202(Q)
14 Acetonitrile	41	3.455	3.458	(0.465)	281869	237.186	237(R)
15 Iodomethane	142	3.673	3.683	(0.494)	176553	18.7243	18.7
16 Methyl Acetate	43	3.746	3.746	(0.504)	148075	21.7917	21.8
17 Allyl Chloride	41	3.762	3.766	(0.507)	226030	23.4319	23.4(Q)
18 Carbon Disulfide	76	3.917	3.923	(0.527)	403169	20.0188	20.0
19 Methylene Chloride	49	3.943	3.950	(0.531)	237435	22.7834	22.8(R)
20 Acrylonitrile	53	4.172	4.174	(0.562)	221734	64.6213	64.6
21 Methyl-tert-butyl ether	73	4.219	4.220	(0.568)	429429	20.8897	20.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
	22 trans 1,2-Dichloroethene	61	4.402	4.406	(0.593)	226819	22.6881	22.7
	23 1,1-Dichloroethane	63	5.069	5.070	(0.682)	287942	23.4075	23.4(R)
	24 Vinyl Acetate	43	5.126	5.126	(0.690)	262161	25.4342	25.4(R)
	25 Chloroprene	53	5.201	5.202	(0.700)	275351	22.8642	22.9
	26 2-Butanone	43	5.728	5.728	(0.771)	245764	61.9530	62.0
	27 Propionitrile	54	5.828	5.828	(0.785)	274388	206.848	207
	28 2,2-Dichloropropane	77	5.875	5.878	(0.791)	126455	22.8738	22.9
	29 cis-1,2-Dichloroethene	96	5.938	5.939	(0.799)	156781	23.0896	23.1
	30 Methyacrylonitrile	67	6.085	6.088	(0.819)	673705	209.396	209
	31 Isobutyl Alcohol	43	6.156	6.155	(0.829)	99670	359.307	359(Q)
	32 Chloroform	83	6.150	6.152	(0.828)	274028	21.5440	21.5
	33 Bromochloromethane	49	6.354	6.353	(0.855)	152199	23.5480	23.5
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.431	6.433	(0.866)	315627	50.2446	50.2
	35 1,1,1-Trichloroethane	97	6.653	6.655	(0.896)	218235	21.7324	21.7
	36 Cyclohexane	56	6.654	6.655	(0.896)	272865	22.6696	22.7
	37 1,1-Dichloropropene	75	6.849	6.850	(0.922)	202440	22.7241	22.7
	38 Carbon tetrachloride	117	6.954	6.956	(0.936)	166455	23.7266	23.7
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.052	7.053	(0.949)	69037	49.2387	49.2(q)
	40 1,2-Dichloroethane	62	7.160	7.163	(0.964)	243379	20.4621	20.5
	41 Benzene	78	7.164	7.164	(0.964)	584367	23.0648	23.1(R)
*	42 FLUOROBENZENE (IS)	96	7.428	7.429	(1.000)	1162489	50.0000	
	43 Trichloroethylene	130	7.875	7.877	(1.060)	147453	22.0631	22.1
	44 Methyl Cyclohexane	55	7.933	7.935	(1.068)	214085	24.5206	24.5(R)
	45 1,2-Dichloropropane	63	8.077	8.078	(1.087)	159739	22.2436	22.2
	46 Methyl Methacrylate	69	8.174	8.176	(1.101)	97058	20.5787	20.6
	47 Bromodichloromethane	83	8.330	8.331	(1.121)	210924	22.3541	22.4
	48 1,4 Dioxane	88	8.375	8.375	(1.127)	33325	410.840	411(q)
	49 Dibromomethane	93	8.382	8.383	(1.128)	99128	21.2149	21.2
	50 4-Methyl-2-Pentanone	43	8.719	8.722	(0.663)	525836	60.9557	61.0(M)
	51 2-Hexanone	43	9.629	9.630	(0.898)	368973	58.8116	58.8
	52 cis 1,3-Dichloropropene	75	8.925	8.925	(1.202)	259165	23.5727	23.6(R)
$	53 TOLUENE d8 (surr)	98	9.170	9.171	(1.235)	1229487	51.9511	52.0
	54 Toluene	92	9.252	9.253	(1.246)	371373	22.3593	22.4
	55 trans 1,3-Dichloropropene	75	9.453	9.454	(1.273)	236972	23.4399	23.4(R)
	56 Ethyl Methacrylate	69	9.455	9.455	(1.273)	180156	20.9646	21.0
	57 1,1,2-Trichloroethane	97	9.611	9.611	(1.294)	138727	21.6781	21.7
	58 1,3-Dichloropropane	76	9.870	9.871	(0.920)	241356	20.6143	20.6
	59 Tetrachloroethylene	164	9.925	9.926	(0.925)	115575	20.6465	20.6
	60 Dibromochloromethane	129	10.132	10.133	(0.945)	149882	22.3173	22.3
	61 1,2-Dibromoethane	107	10.336	10.337	(0.964)	142532	20.7759	20.8
	62 1-Chlorohexane	91	10.509	10.509	(0.980)	190646	22.7314	22.7
*	63 CHLOROBENZENE d5 (IS)	117	10.724	10.725	(1.000)	871695	50.0000	
	64 Chlorobenzene	112	10.762	10.763	(1.004)	411373	21.1229	21.1
	65 1,1,1,2-Tetrachloroethane	131	10.808	10.809	(1.008)	126369	21.8979	21.9
	66 Ethylbenzene	106	10.817	10.818	(1.009)	215371	21.3443	21.3
	67 p,m-Xylene	106	10.895	10.895	(1.016)	556118	42.4236	42.4
	68 o-Xylene	91	11.333	11.335	(1.057)	628109	20.4139	20.4
	69 Styrene	104	11.372	11.372	(1.060)	433568	20.2099	20.2
	70 Bromoform	173	11.713	11.712	(1.092)	102321	21.7865	21.8
	71 1-Methylethylbenzene	105	11.697	11.698	(0.890)	696765	21.5925	21.6
	72 1,4-Dichloro-2-Butene	53	11.367	11.370	(0.865)	4868	46.1528	46.2(Q)
	73 1,1,2,2-Tetrachloroethane	83	11.873	11.873	(0.903)	181840	21.0761	21.1
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.951	11.951	(0.909)	505713	49.0937	49.1
	75 1,2,3- trichloropropane	110	12.021	12.021	(0.915)	58228	18.7406	18.7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
76	n-Propylbenzene	91	12.101	12.101	(0.921)	866353	21.0655	21.1
77	Bromobenzene	77	12.145	12.145	(0.924)	306623	20.6502	20.6
78	1,3,5-Trimethylbenzene	105	12.260	12.261	(0.933)	619530	20.9993	21.0
79	2-Chlorotoluene	91	12.280	12.280	(0.934)	622241	21.4065	21.4
80	4-Chlorotoluene	91	12.328	12.328	(0.938)	578232	20.5799	20.6
81	tert-Butylbenzene	119	12.620	12.620	(0.960)	574614	21.3719	21.4
82	1,2,4-trimethylbenzene	105	12.655	12.656	(0.963)	622629	21.1021	21.1
83	sec-Butylbenzene	105	12.833	12.832	(0.976)	722735	21.7573	21.8
84	p-Isopropyltoluene	119	12.970	12.970	(0.987)	612488	21.1633	21.2
85	1,3-Dichlorobenzene	146	13.068	13.067	(0.994)	325183	21.2873	21.3
* 86	1,4-DICHLOROBENZENE-d4 (IS)	152	13.142	13.143	(1.000)	477941	50.0000	
87	1,4-Dichlorobenzene	146	13.174	13.174	(1.002)	321203	20.7077	20.7
88	Benzyl Chloride	91	13.292	13.292	(1.011)	199016	20.1834	20.2
89	n-Butylbenzene	91	13.382	13.381	(1.018)	536068	21.4900	21.5
90	1,2-Dichlorobenzene	146	13.547	13.547	(1.031)	322222	21.3572	21.4
91	1,2-dibromo-3-chloropropane	75	14.297	14.296	(1.088)	31906	19.7421	19.7
92	1,2,4-Trichlorobenzene	180	14.970	14.965	(1.139)	164494	19.3105	19.3
93	Hexachlorobutadiene	223	15.066	15.060	(1.146)	49015	21.2523	21.2
94	Naphthalene	128	15.151	15.145	(1.153)	386368	17.5439	17.5
95	1,2,3-trichlorobenzene	180	15.315	15.308	(1.165)	142801	18.6300	18.6
103	Isopropyl Ether	45	4.959	4.959	(0.668)	518586	22.0171	22.0
104	Ethyl acetate	43	5.986	5.986	(0.806)	311020	41.0742	41.1
105	Cyclohexanone	55	11.758	11.758	(1.096)	199566	173.996	174
106	Ethyl ether	59	2.853	2.854	(0.384)	129298	20.5864	20.6
107	2-Nitropropane	43	8.425	8.426	(1.134)	68851	40.1582	40.2
108	Tetrahydrofuran	42	6.419	6.416	(0.864)	86150	35.6785	35.7
112	2-Cleve	63	8.689	8.690	(1.170)	136223	33.8740	33.9(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: LCS32.D
Lab Smp Id: 061407LCSA32
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3061407.b\8260A.m
Misc Info:

Calibration Date: 14-JUN-2007
Calibration Time: 06:20
Client Smp ID: 061407LCSA32
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1187850	593925	2375700	1162489	-2.14
63 CHLOROBENZENE d5	867332	433666	1734664	871695	0.50
86 1,4-DICHLOROBENZE	492359	246180	984718	477941	-2.93

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	-0.02
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.72	-0.00
86 1,4-DICHLOROBENZE	13.14	12.64	13.64	13.14	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\LCS32.D

Date : 14-JUN-2007 07:01

Client ID: 061407LCSA32

Instrument: vms03.i

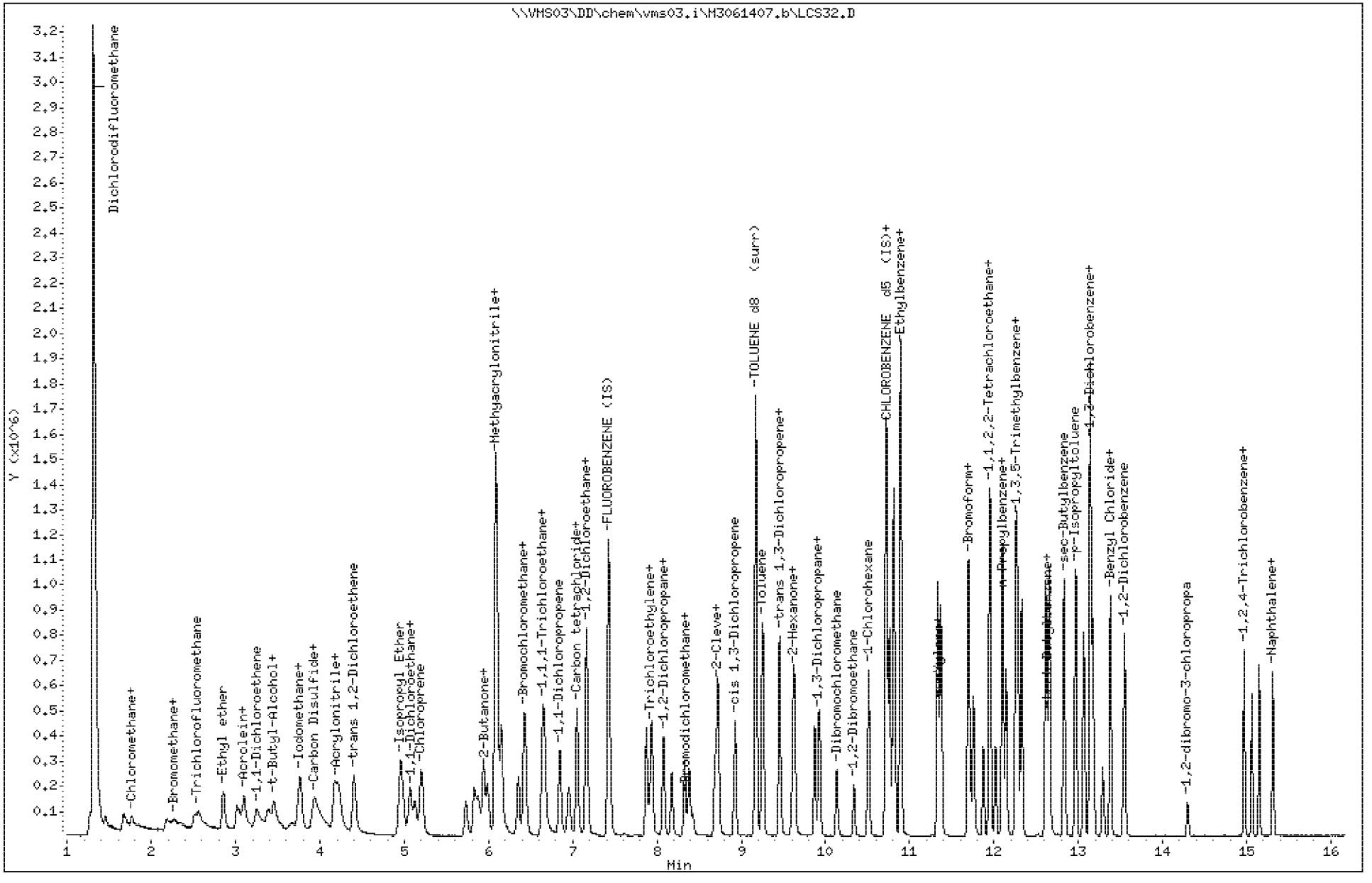
Sample Info: 061407LCSA32

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3061407.b\BLK32.D
Lab Smp Id: 061407BLKA32 Client Smp ID: 061407BLKA32
Inj Date : 14-JUN-2007 08:35
Operator : Inst ID: vms03.i
Smp Info : 061407BLKA32
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3061407.b\8260A.m
Meth Date : 19-Jun-2007 14:50 lpelo Quant Type: ISTD
Cal Date : 22-MAY-2007 09:03 Cal File: 80PPB.D
Als bottle: 26 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.435	6.433	(0.866)	320722	48.5684	48.6
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	7.054	7.053	(0.949)	73802	50.0730	50.1
* 42 FLUOROBENZENE (IS)	96	7.430	7.429	(1.000)	1222020	50.0000	
$ 53 TOLUENE d8 (surr)	98	9.173	9.171	(1.234)	1276326	51.3030	51.3
* 63 CHLOROBENZENE d5 (IS)	117	10.726	10.725	(1.000)	876649	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.953	11.951	(0.909)	502236	51.2143	51.2
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.144	13.143	(1.000)	455001	50.0000	

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: BLK32.D
Lab Smp Id: 061407BLKA32
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3061407.b\8260A.m
Misc Info:

Calibration Date: 14-JUN-2007
Calibration Time: 06:20
Client Smp ID: 061407BLKA32
Level: LOW
Sample Type: WATER

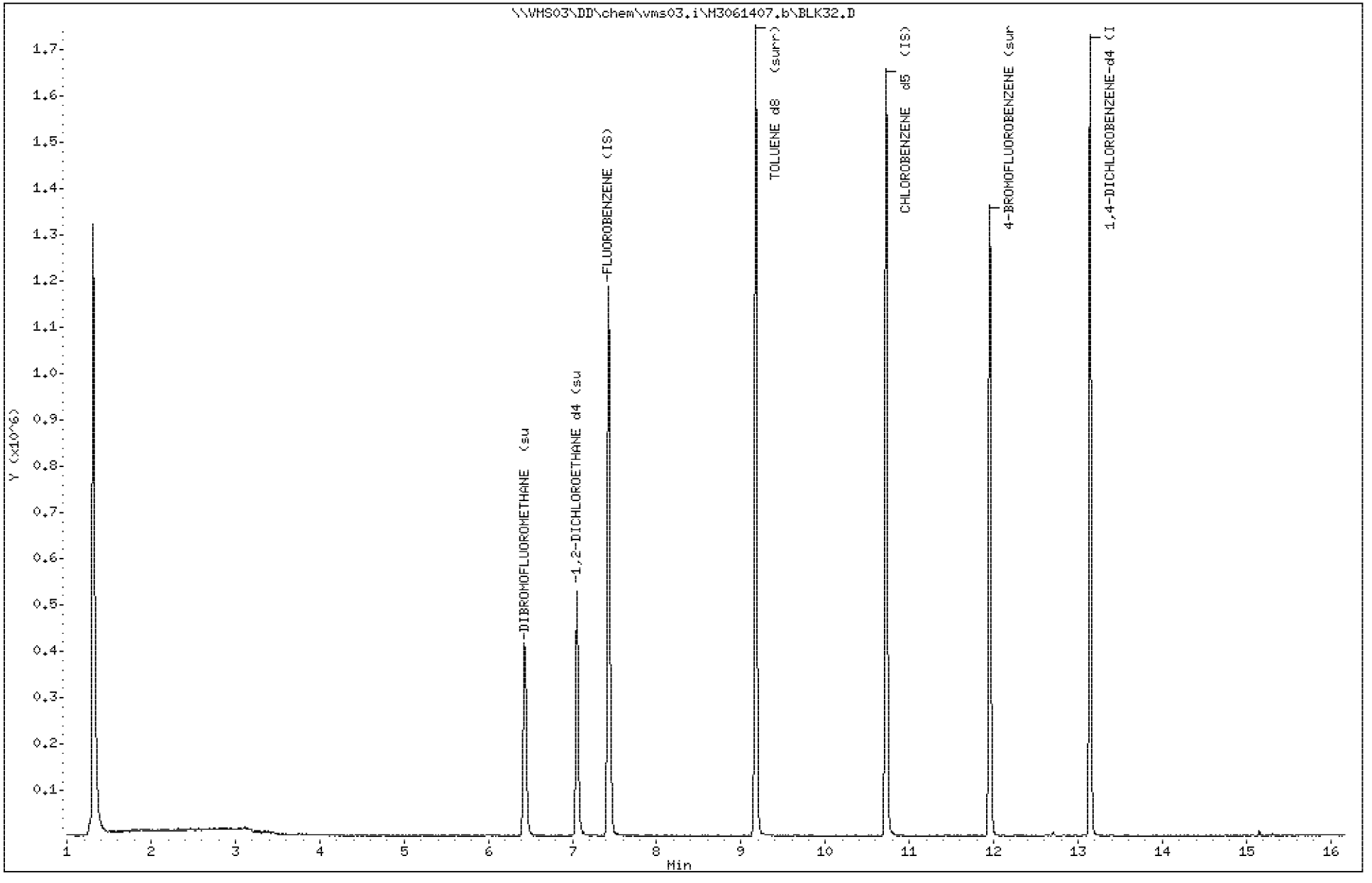
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1187850	593925	2375700	1222020	2.88
63 CHLOROBENZENE d5	867332	433666	1734664	876649	1.07
86 1,4-DICHLOROBENZE	492359	246180	984718	455001	-7.59

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.01
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	0.01
86 1,4-DICHLOROBENZE	13.14	12.64	13.64	13.14	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\BLK32.D
Date : 14-JUN-2007 08:35
Client ID: 061407BLKA32
Sample Info: 061407BLKA32
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3061407.b\94101.D
Lab Smp Id: 250694101 Client Smp ID: TO05MW43ABL
Inj Date : 14-JUN-2007 14:24
Operator : Inst ID: vms03.i
Smp Info : 250694101;2506941;1;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3061407.b\8260A.m
Meth Date : 19-Jun-2007 14:50 lpelo Quant Type: ISTD
Cal Date : 22-MAY-2007 09:03 Cal File: 80PPB.D
Als bottle: 41
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 3 Trihalomethanes (Total)	100				4656	0.35741	0.36(a)
32 Chloroform	83	6.154	6.152	(0.828)	4656	0.35741	0.36(a)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.434	6.433	(0.866)	326778	50.7918	50.8
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	7.054	7.053	(0.949)	74020	51.5466	51.5(q)
* 42 FLUOROBENZENE (IS)	96	7.430	7.429	(1.000)	1190591	50.0000	
43 Trichloroethylene	130	7.879	7.877	(1.060)	20793	3.03778	3.0
$ 53 TOLUENE d8 (surr)	98	9.172	9.171	(1.234)	1264435	52.1667	52.2
* 63 CHLOROBENZENE d5 (IS)	117	10.726	10.725	(1.000)	883447	50.0000	
64 Chlorobenzene	112	10.766	10.763	(1.004)	51277	2.59791	2.6
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.952	11.951	(0.909)	510246	52.4140	52.4
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.144	13.143	(1.000)	451677	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 94101.D
Lab Smp Id: 250694101
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3061407.b\8260A.m
Misc Info:

Calibration Date: 14-JUN-2007
Calibration Time: 06:20
Client Smp ID: TO05MW43ABL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1187850	593925	2375700	1190591	0.23
63 CHLOROBENZENE d5	867332	433666	1734664	883447	1.86
86 1,4-DICHLOROBENZE	492359	246180	984718	451677	-8.26

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.01
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	0.01
86 1,4-DICHLOROBENZE	13.14	12.64	13.64	13.14	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\94101.D

Date : 14-JUN-2007 14:24

Client ID: T005MW43ABL

Instrument: vms03.i

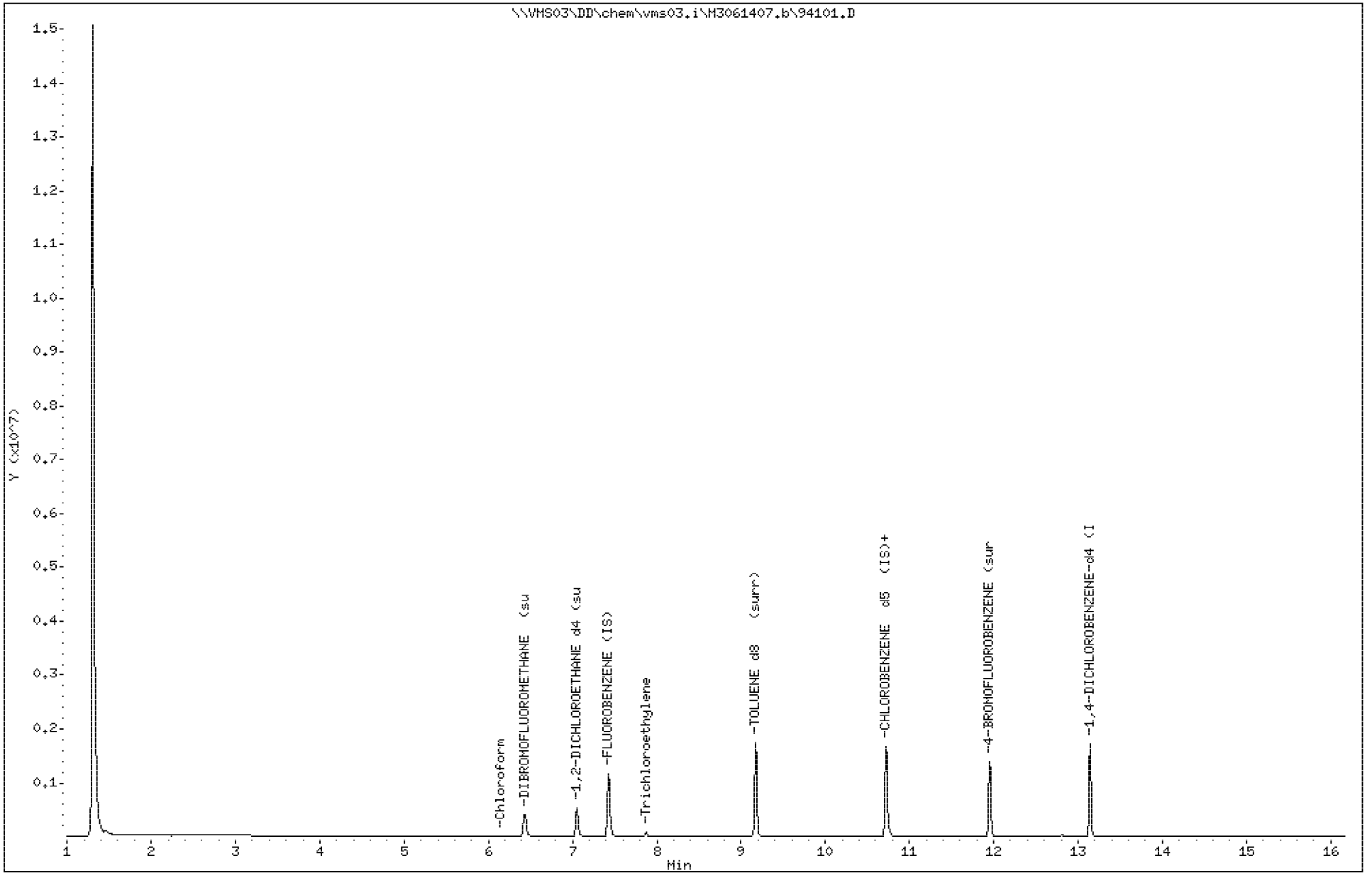
Sample Info: 250694101;2506941;1;

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\94101.D

Date : 14-JUN-2007 14:24

Client ID: TO05MW43ABL

Instrument: vms03.i

Sample Info: 250694101;2506941;1;

Purge Volume: 5.0

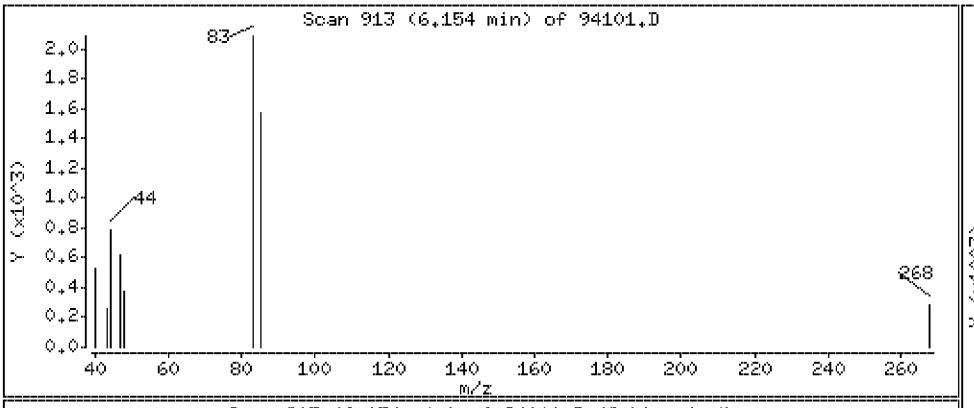
Operator:

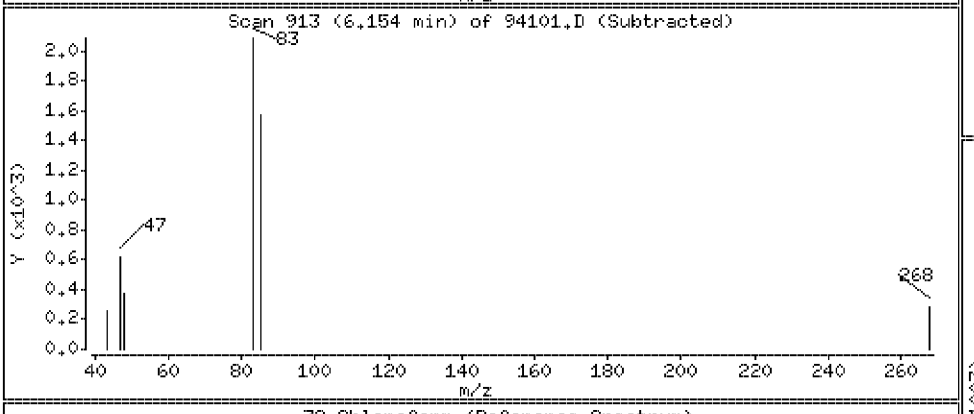
Column phase: DB-624

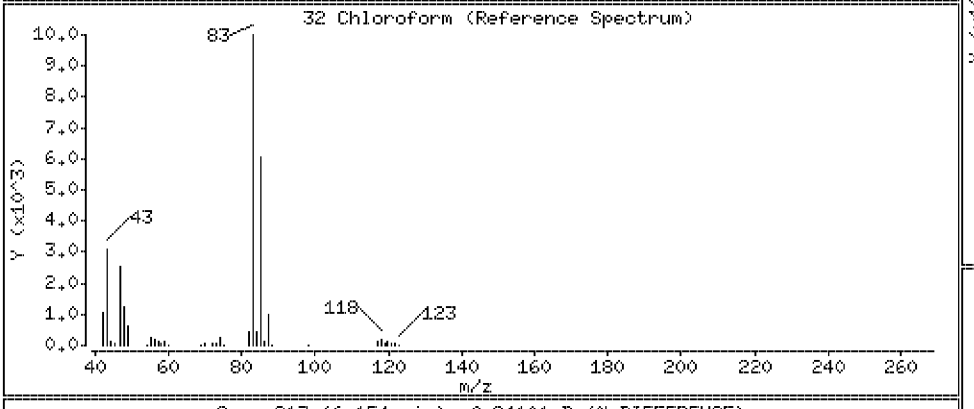
Column diameter: 0.18

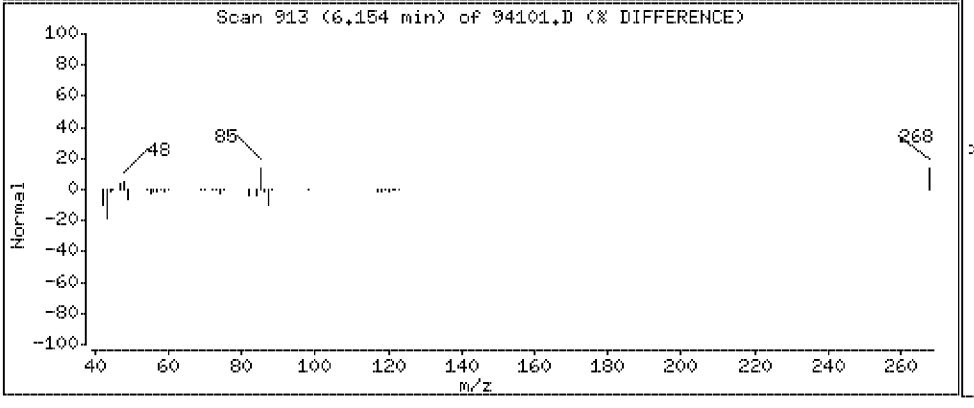
32 Chloroform

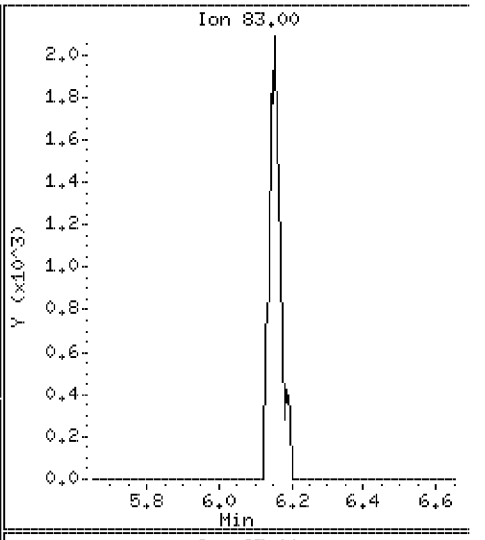
Concentration: 0.36 ug/l

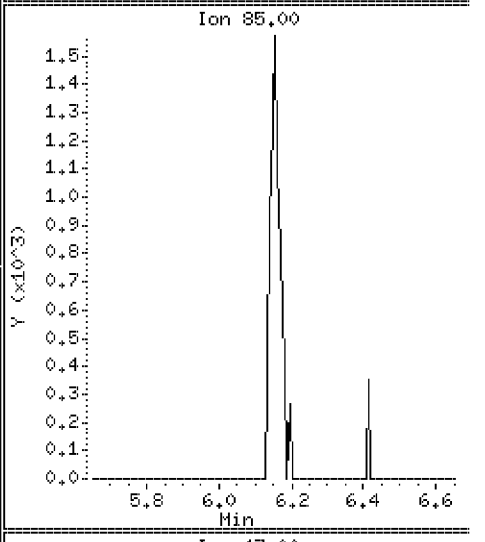


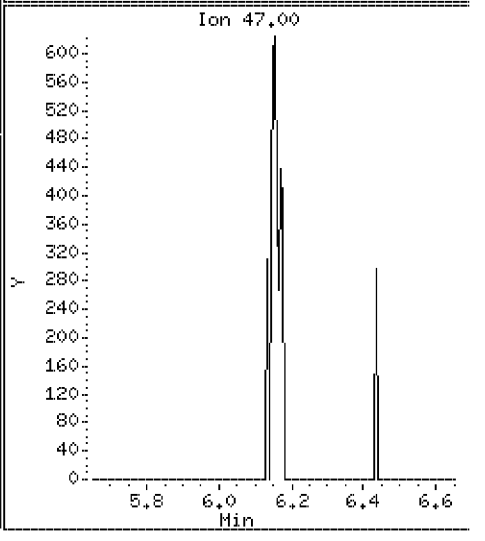












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\94101.D

Date : 14-JUN-2007 14:24

Client ID: TO05MW43ABL

Instrument: vms03.i

Sample Info: 250694101;2506941;1;

Purge Volume: 5.0

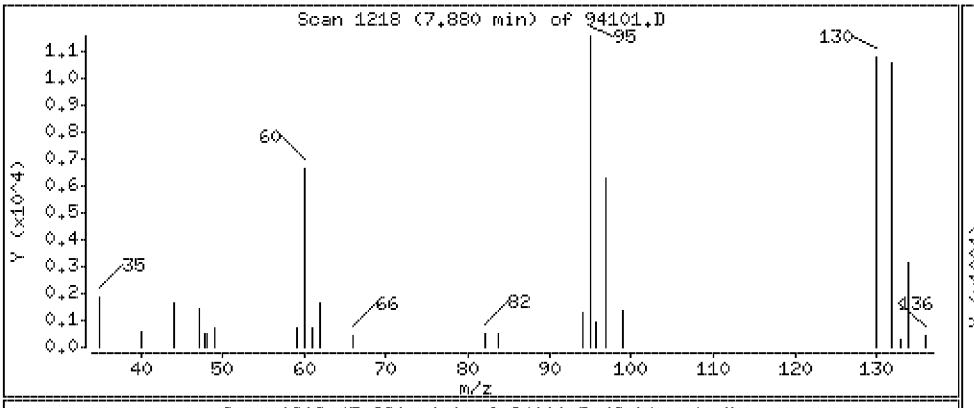
Operator:

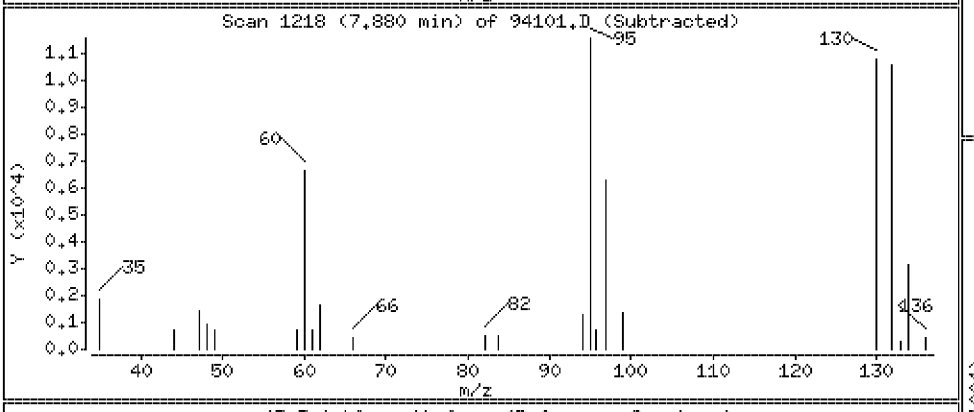
Column phase: DB-624

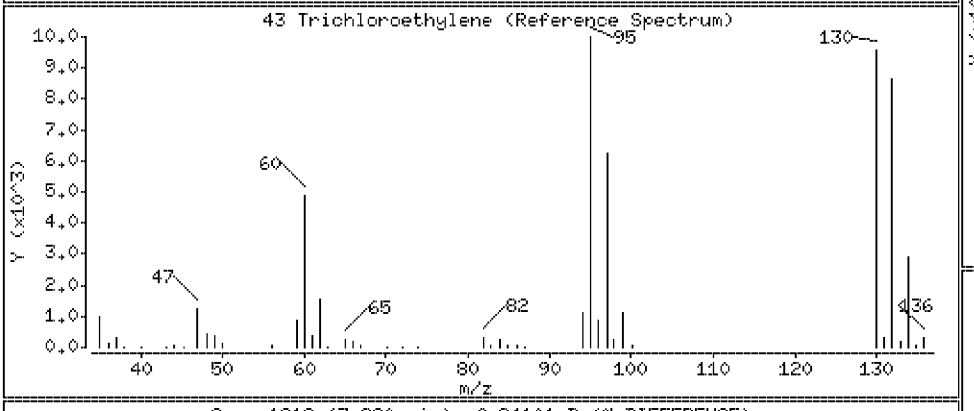
Column diameter: 0.18

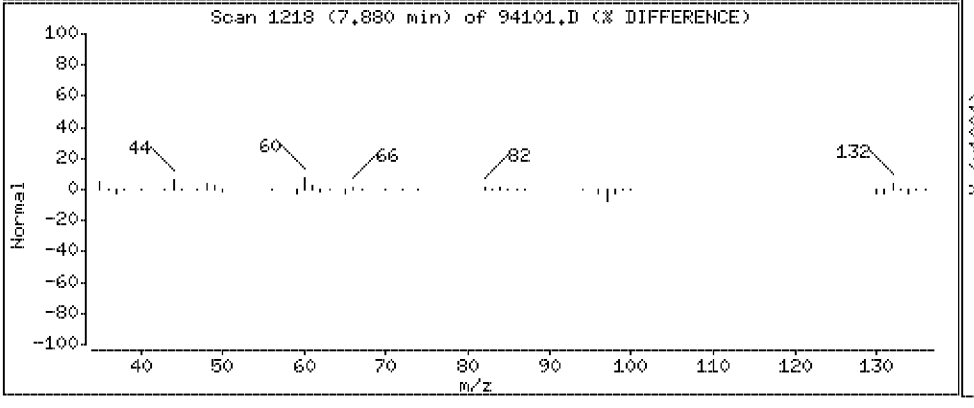
43 Trichloroethylene

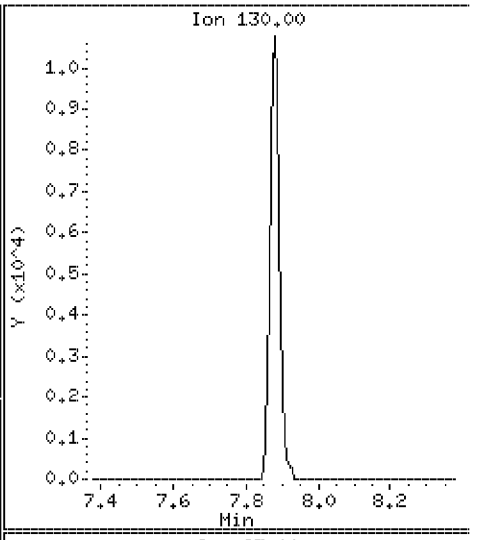
Concentration: 3.0 ug/l

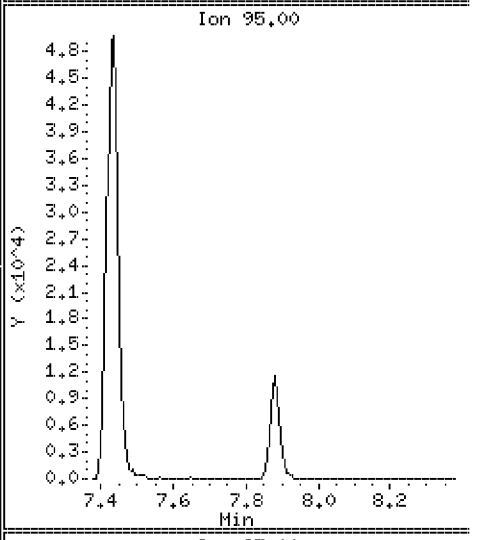


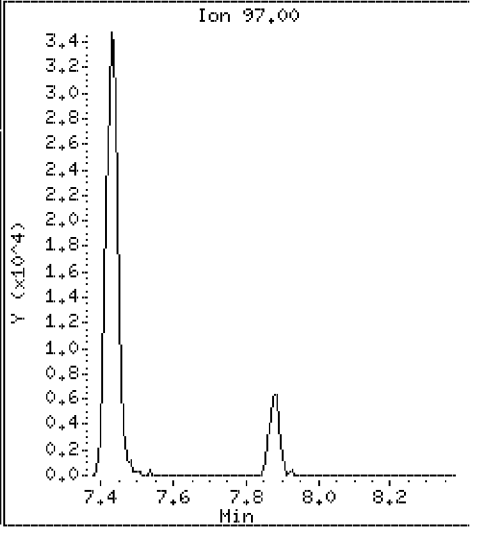












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\94101.D

Date : 14-JUN-2007 14:24

Client ID: TO05MW43ABL

Instrument: vms03.i

Sample Info: 250694101;2506941;1;

Purge Volume: 5.0

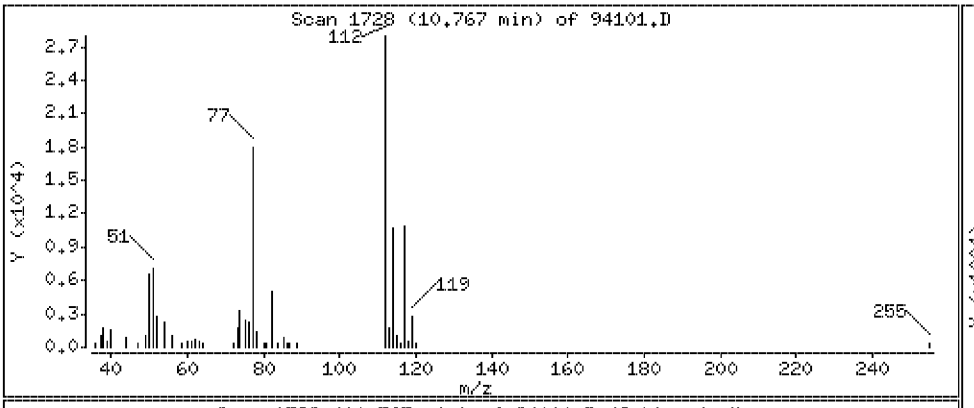
Operator:

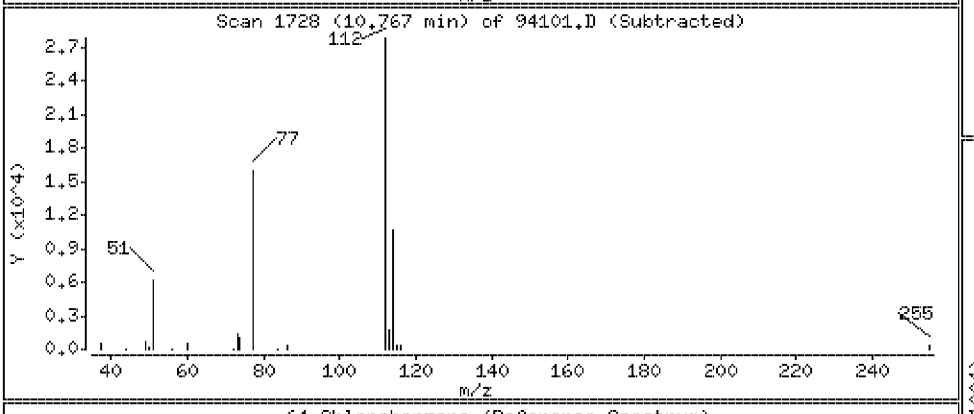
Column phase: DB-624

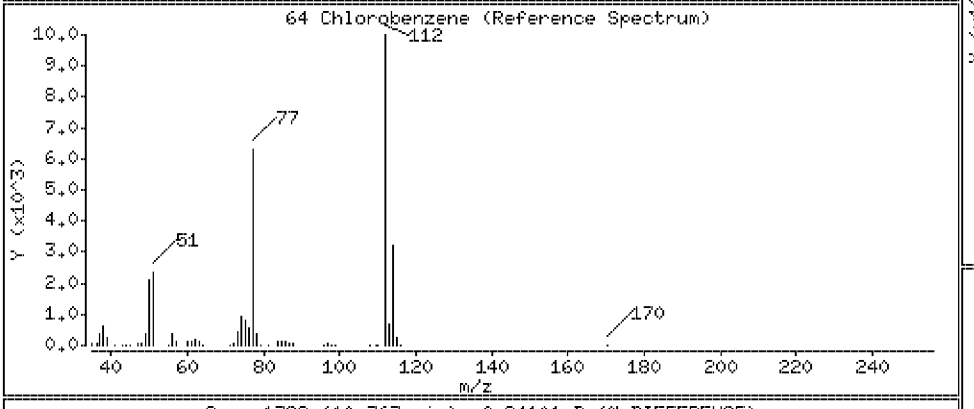
Column diameter: 0.18

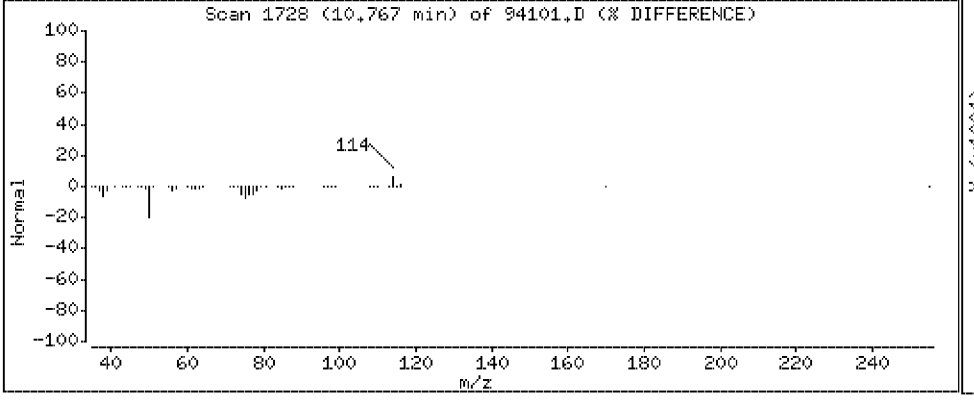
64 Chlorobenzene

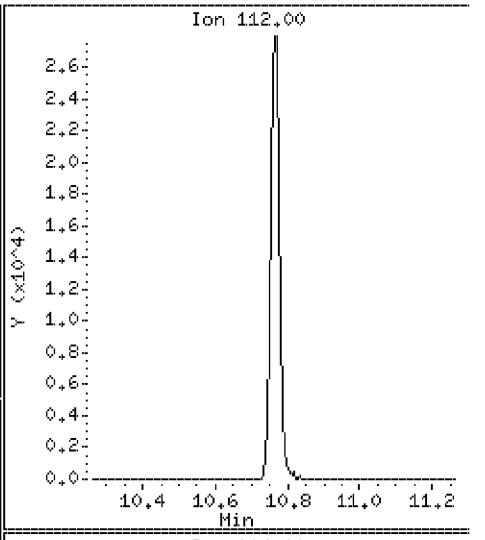
Concentration: 2.6 ug/l

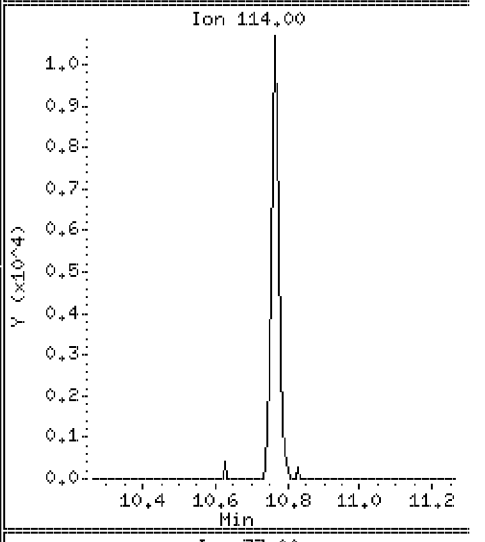


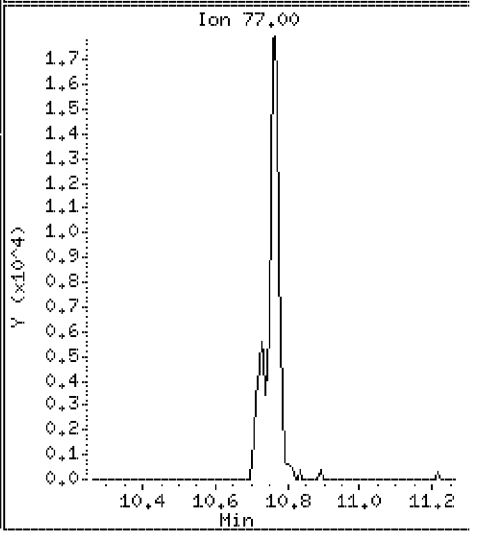












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3061407.b\94102.D
Lab Smp Id: 250694102 Client Smp ID: TO05MW43BBL
Inj Date : 14-JUN-2007 15:34
Operator : Inst ID: vms03.i
Smp Info : 250694102;2506941;5;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3061407.b\8260A.m
Meth Date : 19-Jun-2007 14:50 lpelo Quant Type: ISTD
Cal Date : 22-MAY-2007 09:03 Cal File: 80PPB.D
Als bottle: 44
Dil Factor: 5.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	5.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				222773	31.0815	155
6 Vinyl Chloride	62	1.765	1.763	(0.238)	66757	9.33743	46.7
29 cis-1,2-Dichloroethene	96	5.943	5.939	(0.800)	222773	31.0815	155(Q)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.435	6.433	(0.866)	324019	48.8653	48.9
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	7.055	7.053	(0.949)	73636	49.7542	49.8(q)
* 42 FLUOROBENZENE (IS)	96	7.431	7.429	(1.000)	1227083	50.0000	
43 Trichloroethylene	130	7.879	7.877	(1.060)	5549392	786.635	3930(A)
$ 53 TOLUENE d8 (surr)	98	9.173	9.171	(1.234)	1263756	50.5881	50.6
59 Tetrachloroethylene	164	9.926	9.926	(0.925)	45846	8.12839	40.6
* 63 CHLOROBENZENE d5 (IS)	117	10.726	10.725	(1.000)	878300	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.953	11.951	(0.909)	501197	52.2314	52.2
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.144	13.143	(1.000)	445218	50.0000	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 94102.D
Lab Smp Id: 250694102
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3061407.b\8260A.m
Misc Info:

Calibration Date: 14-JUN-2007
Calibration Time: 06:20
Client Smp ID: TO05MW43BBL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1187850	593925	2375700	1227083	3.30
63 CHLOROBENZENE d5	867332	433666	1734664	878300	1.26
86 1,4-DICHLOROBENZE	492359	246180	984718	445218	-9.57

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.02
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	0.02
86 1,4-DICHLOROBENZE	13.14	12.64	13.64	13.14	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\94102.D

Date : 14-JUN-2007 15:34

Client ID: T005MW43BBL

Instrument: vms03.i

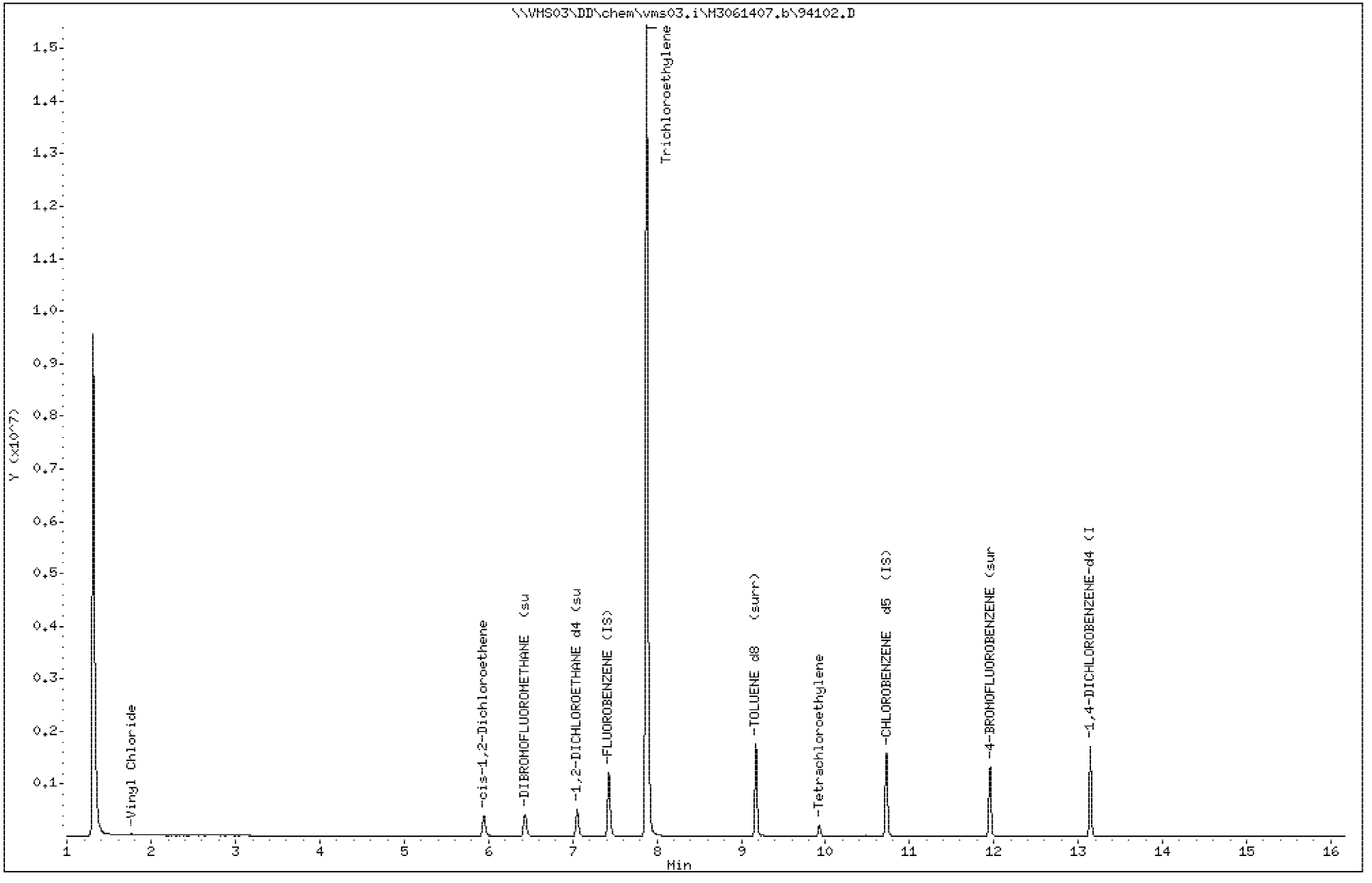
Sample Info: 250694102;2506941;5;

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\94102.D

Date : 14-JUN-2007 15:34

Client ID: TO05MW43BBL

Instrument: vms03.i

Sample Info: 250694102;2506941;5;

Purge Volume: 5.0

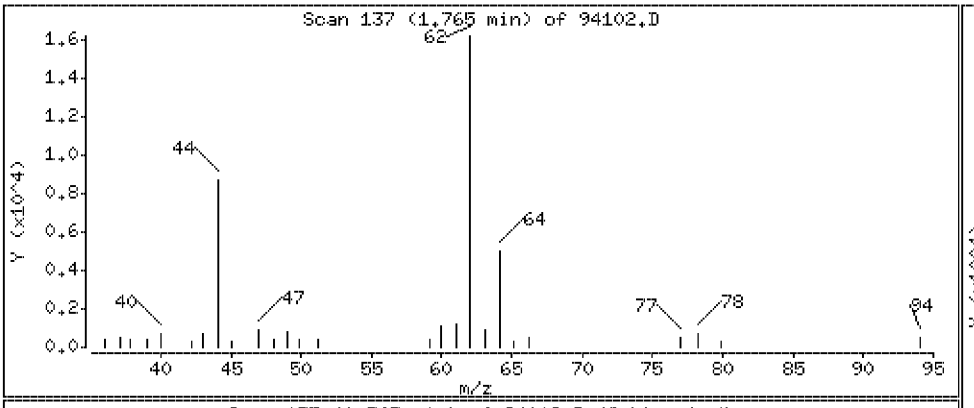
Operator:

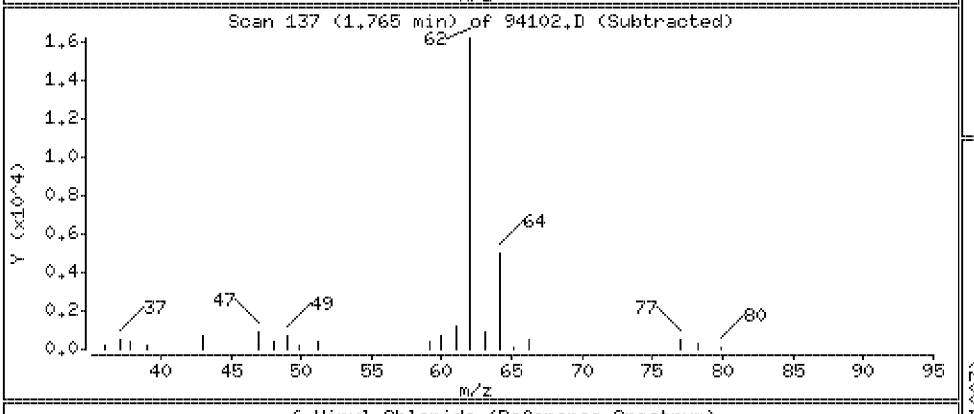
Column phase: DB-624

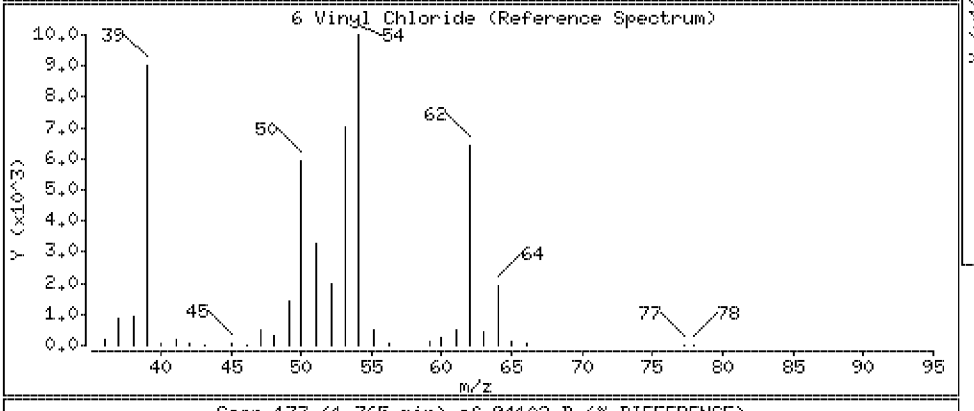
Column diameter: 0.18

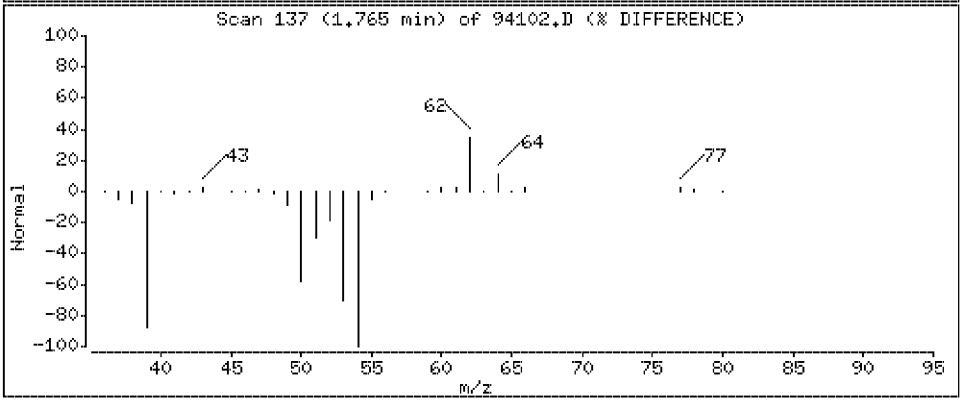
6 Vinyl Chloride

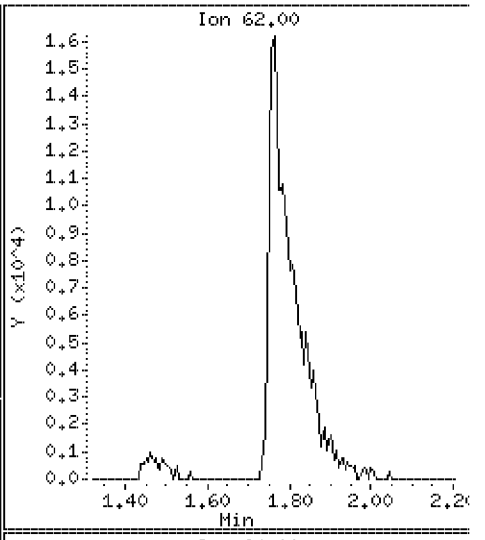
Concentration: 46.7 ug/l

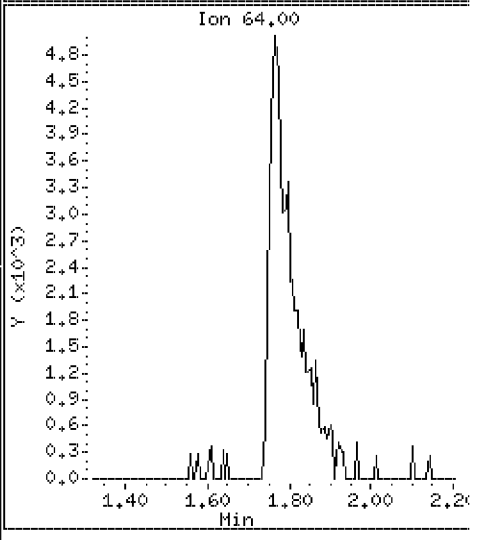












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\94102.D

Date : 14-JUN-2007 15:34

Client ID: TO05MW43BBL

Instrument: vms03.i

Sample Info: 250694102;2506941;5;

Purge Volume: 5.0

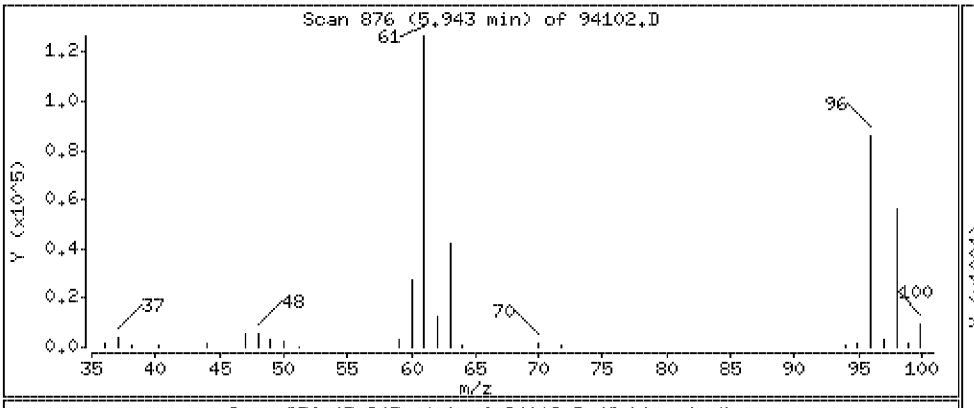
Operator:

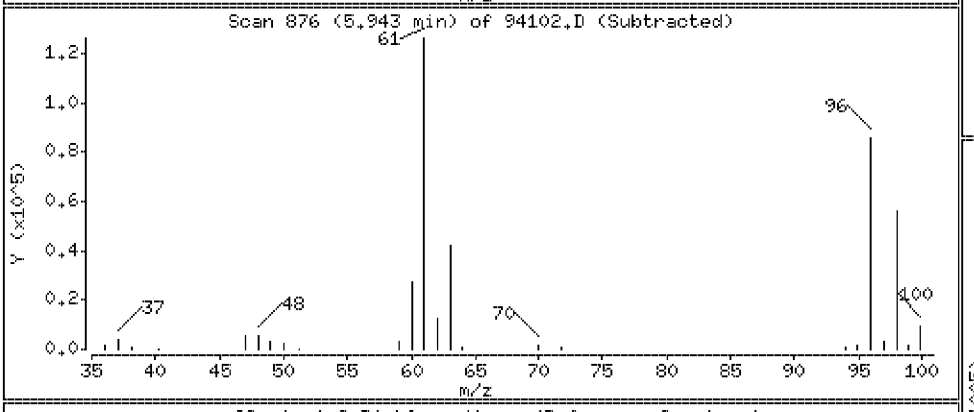
Column phase: DB-624

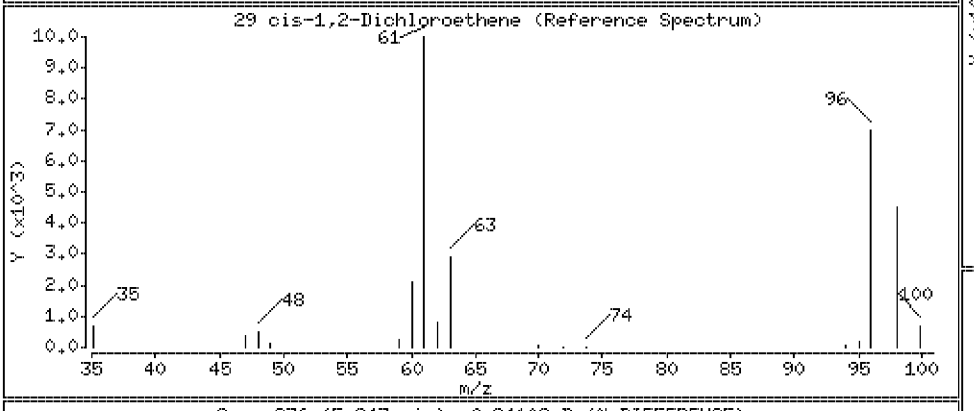
Column diameter: 0.18

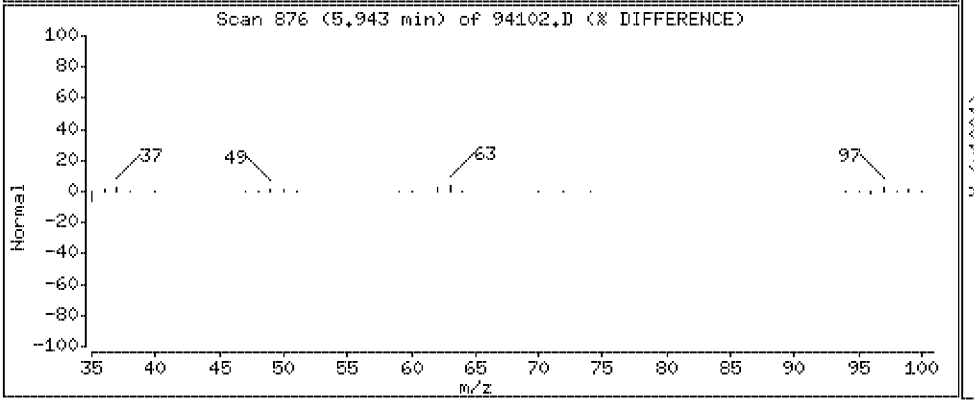
29 cis-1,2-Dichloroethene

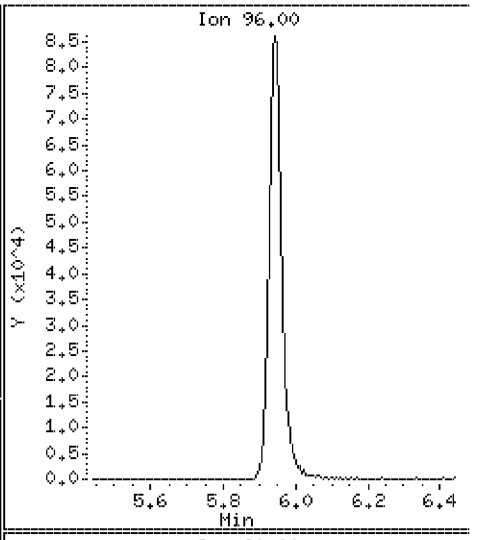
Concentration: 155 ug/l

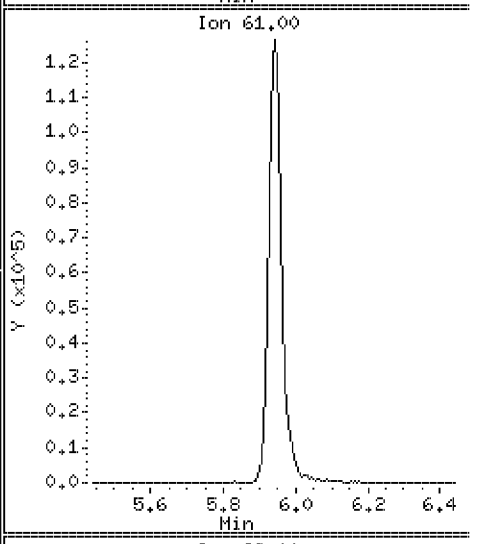


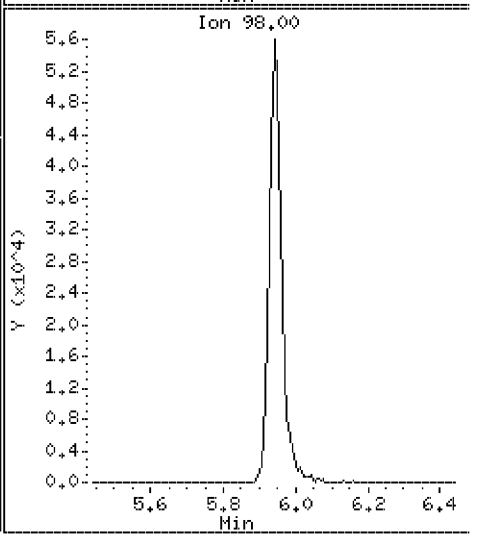












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\94102.D

Date : 14-JUN-2007 15:34

Client ID: TO05MW43BBL

Instrument: vms03.i

Sample Info: 250694102;2506941;5;

Purge Volume: 5.0

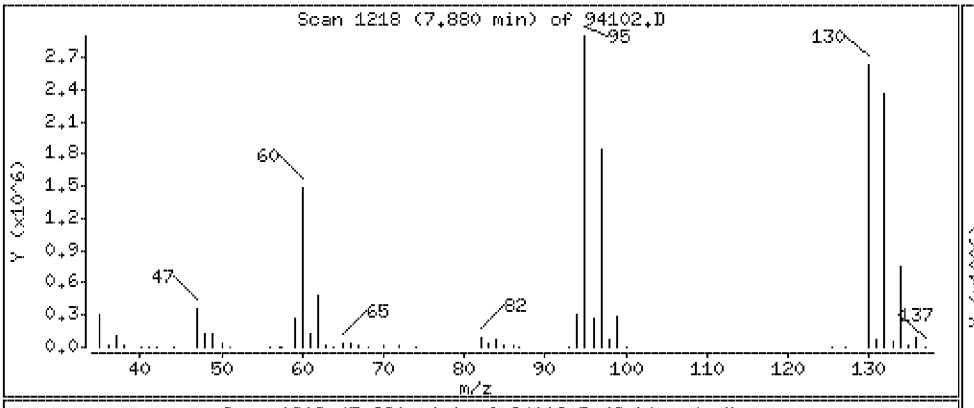
Operator:

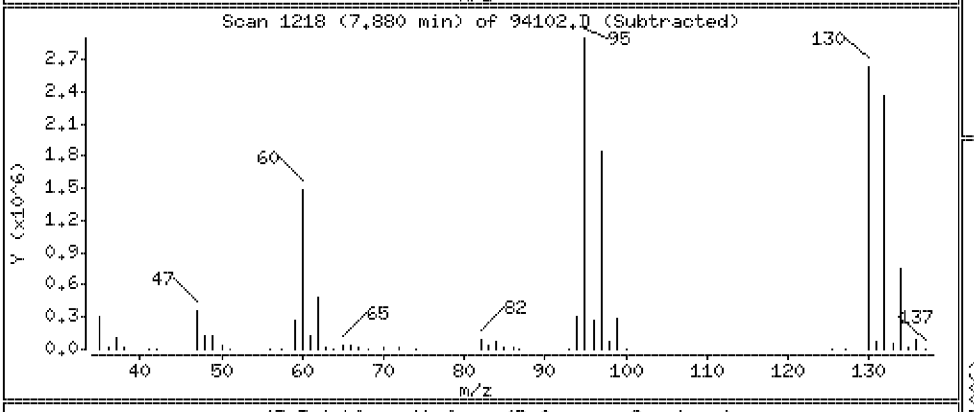
Column phase: DB-624

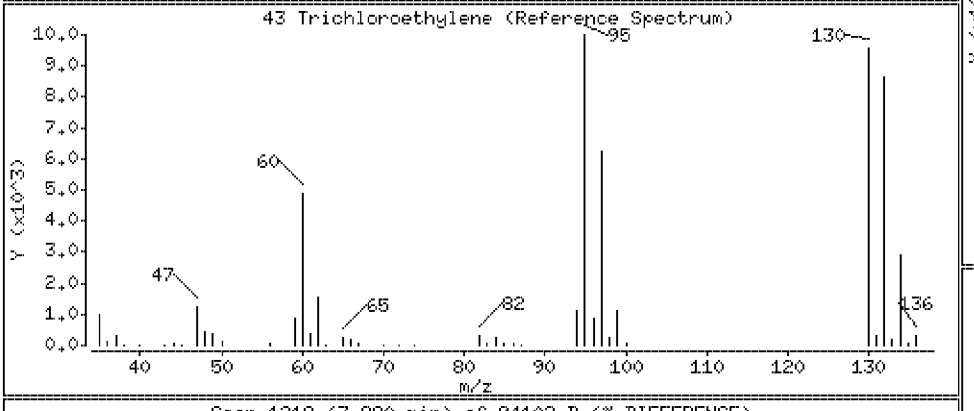
Column diameter: 0.18

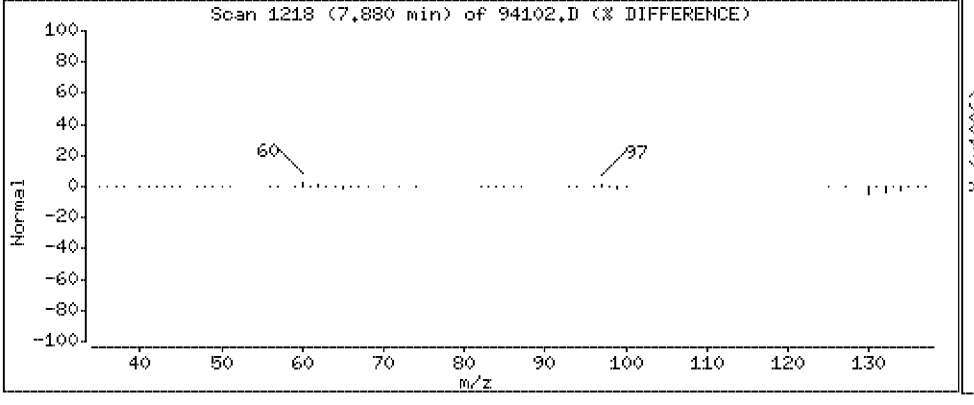
43 Trichloroethylene

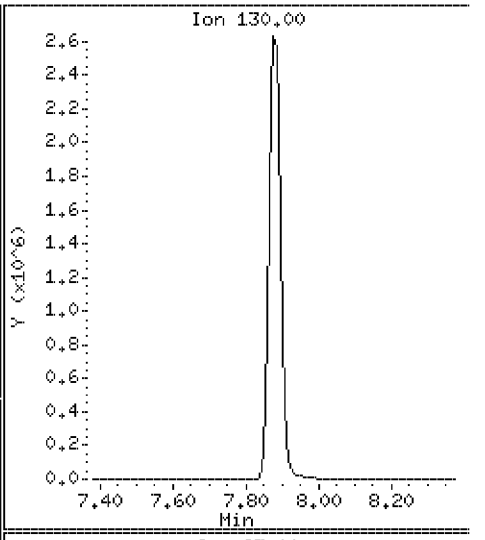
Concentration: 3930 ug/l

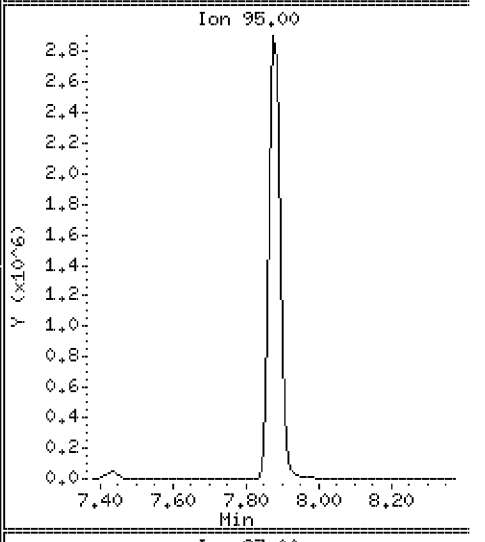


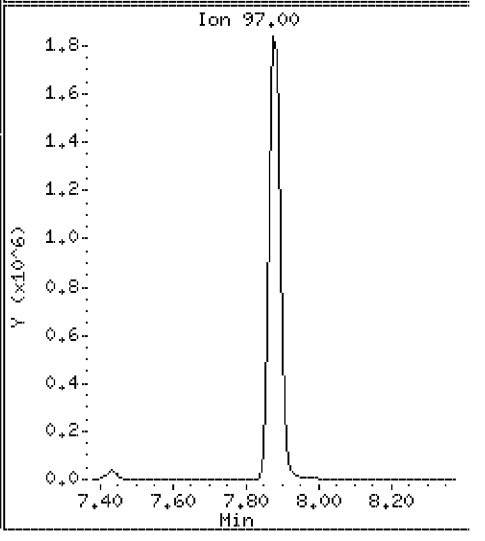












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\94102.D

Date : 14-JUN-2007 15:34

Client ID: TO05MW43BBL

Instrument: vms03.i

Sample Info: 250694102;2506941;5;

Purge Volume: 5.0

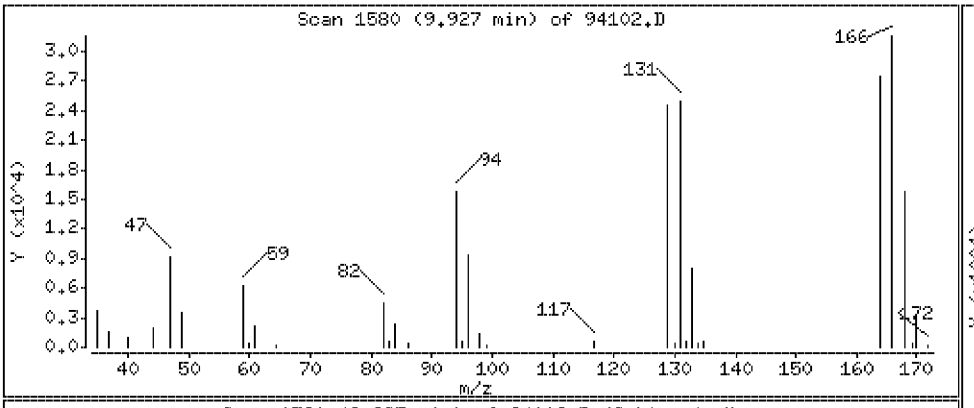
Operator:

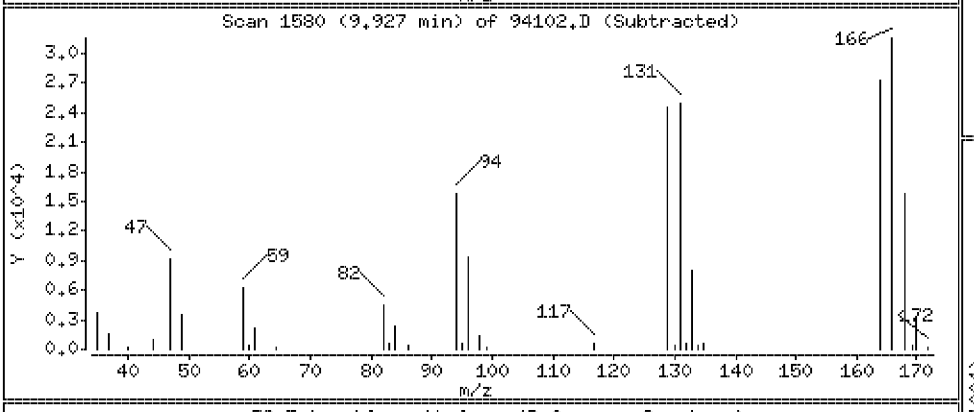
Column phase: DB-624

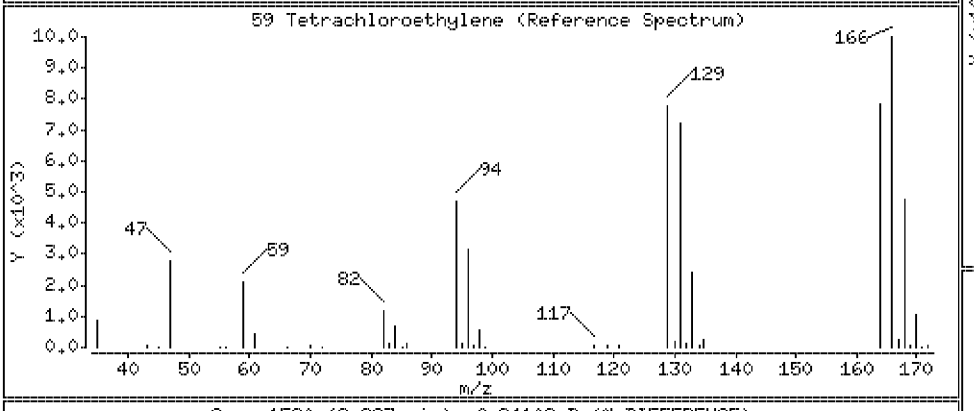
Column diameter: 0.18

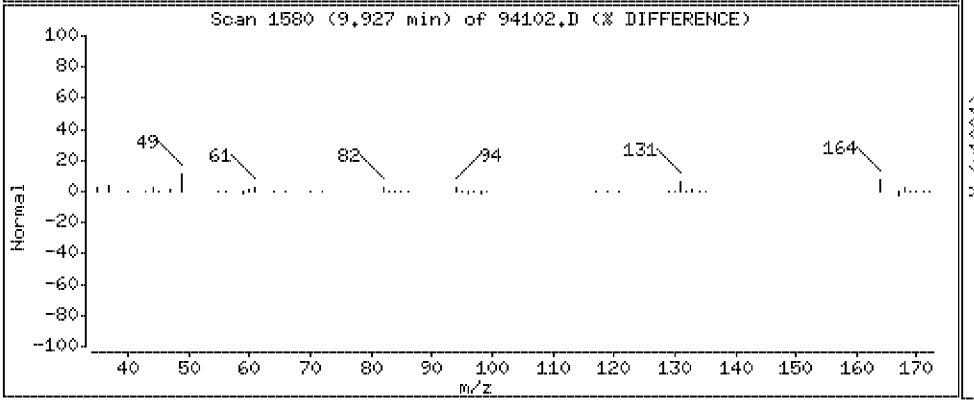
59 Tetrachloroethylene

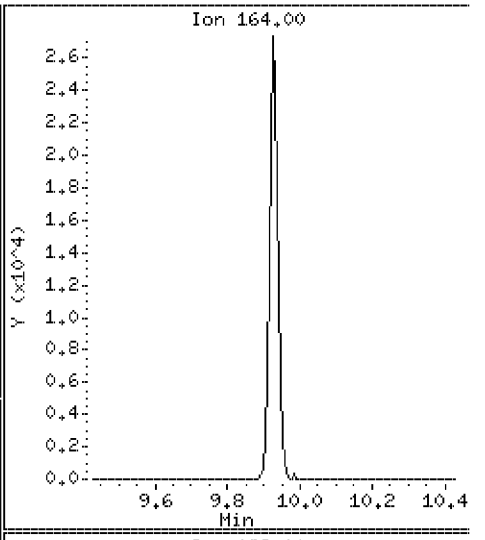
Concentration: 40.6 ug/l

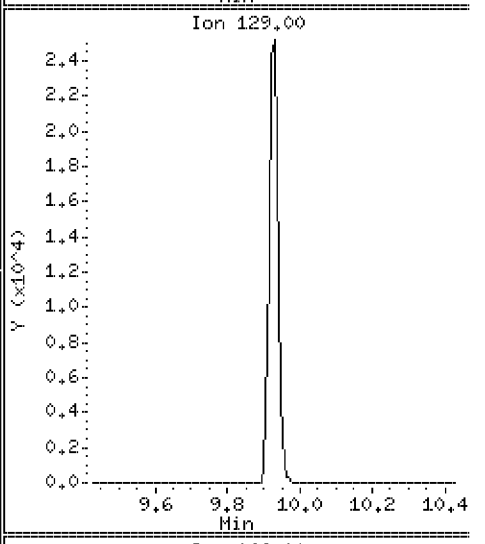


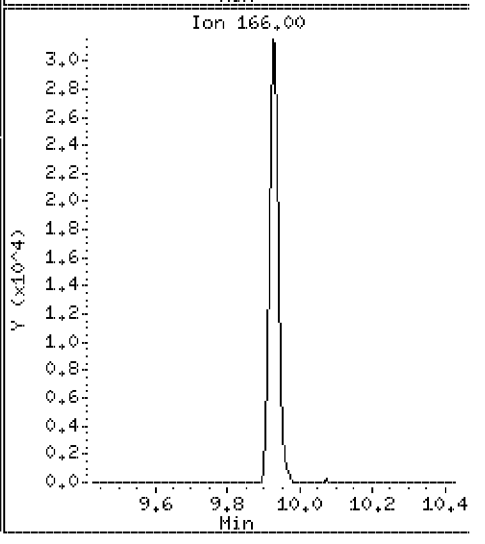












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3061407.b\94102D.D
Lab Smp Id: 250694102 Client Smp ID: TO05MW43BBL
Inj Date : 14-JUN-2007 15:11
Operator : Inst ID: vms03.i
Smp Info : 250694102;2506941;100;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3061407.b\8260A.m
Meth Date : 19-Jun-2007 14:50 lpelo Quant Type: ISTD
Cal Date : 22-MAY-2007 09:03 Cal File: 80PPB.D
Als bottle: 43
Dil Factor: 100.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	100.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				8566	1.22166	122
29 cis-1,2-Dichloroethene	96	5.943	5.939	(0.800)	8566	1.22166	122
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.435	6.433	(0.866)	321116	49.5024	49.5
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	7.055	7.053	(0.949)	72971	50.3993	50.4(q)
* 42 FLUOROBENZENE (IS)	96	7.431	7.429	(1.000)	1200437	50.0000	
43 Trichloroethylene	130	7.879	7.877	(1.060)	234933	34.0413	3400
$ 53 TOLUENE d8 (surr)	98	9.173	9.171	(1.234)	1233523	50.4739	50.5
* 63 CHLOROBENZENE d5 (IS)	117	10.726	10.725	(1.000)	861032	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.953	11.951	(0.909)	476691	52.1967	52.2
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.145	13.143	(1.000)	423730	50.0000	

QC Flag Legend

q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 94102D.D
Lab Smp Id: 250694102
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3061407.b\8260A.m
Misc Info:

Calibration Date: 14-JUN-2007
Calibration Time: 06:20
Client Smp ID: TO05MW43BBL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1187850	593925	2375700	1200437	1.06
63 CHLOROBENZENE d5	867332	433666	1734664	861032	-0.73
86 1,4-DICHLOROBENZE	492359	246180	984718	423730	-13.94

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.02
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	0.01
86 1,4-DICHLOROBENZE	13.14	12.64	13.64	13.15	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\94102D.D

Date : 14-JUN-2007 15:11

Client ID: TO05MW43BBL

Instrument: vms03.i

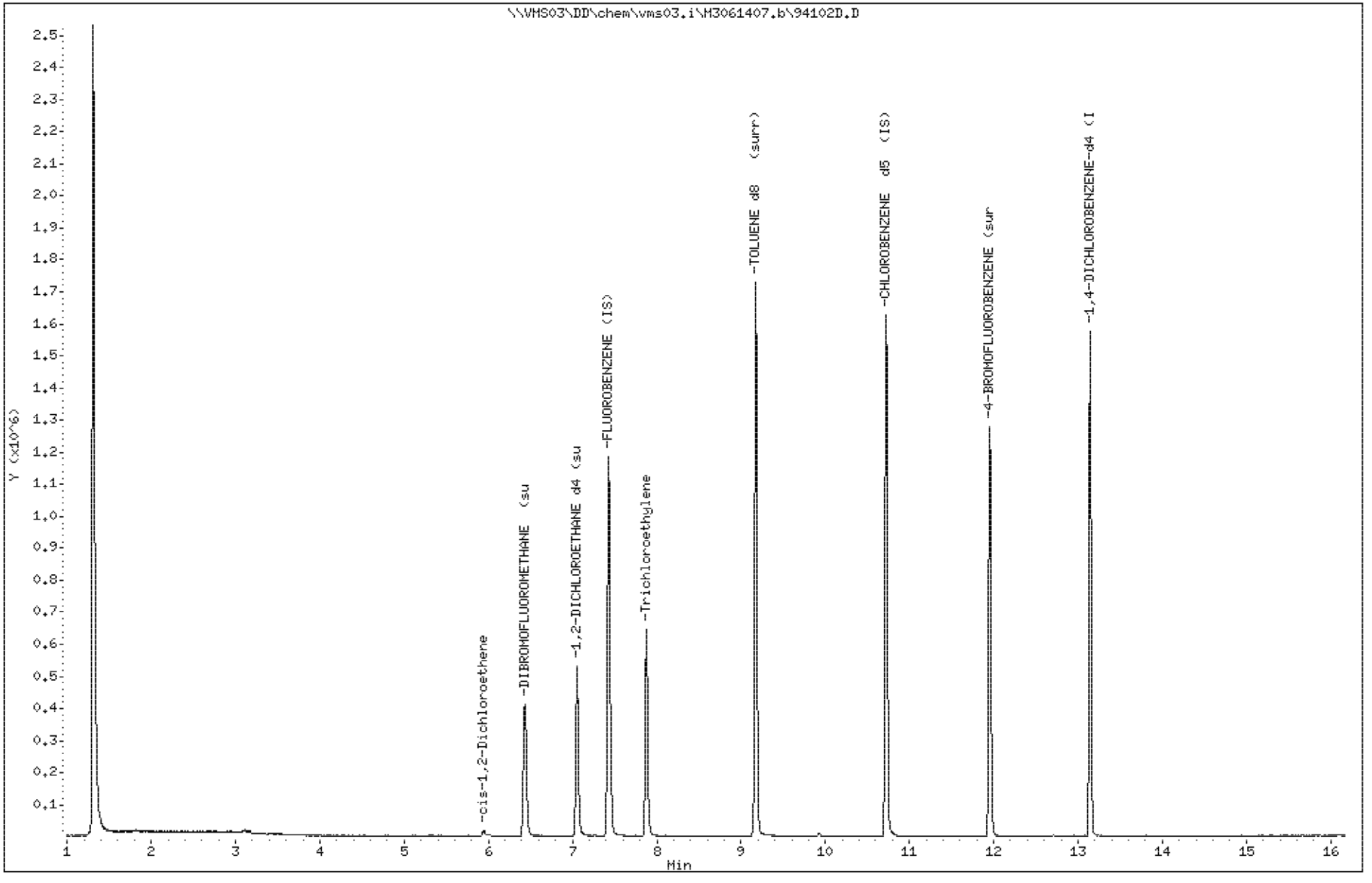
Sample Info: 250694102;2506941;100;

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\94102D.D

Date : 14-JUN-2007 15:11

Client ID: TO05MW43BBL

Instrument: vms03.i

Sample Info: 250694102;2506941;100;

Purge Volume: 5.0

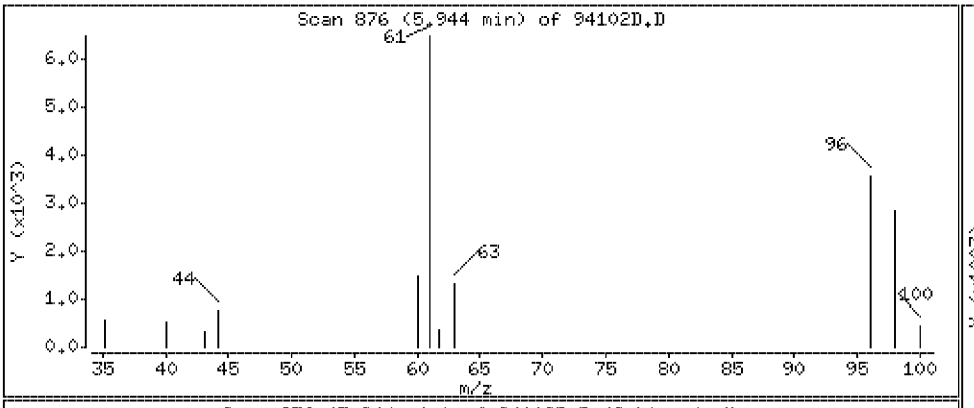
Operator:

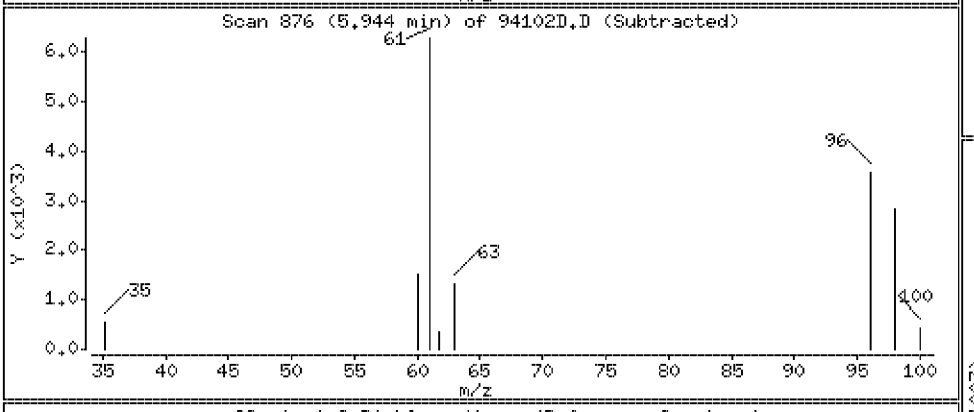
Column phase: DB-624

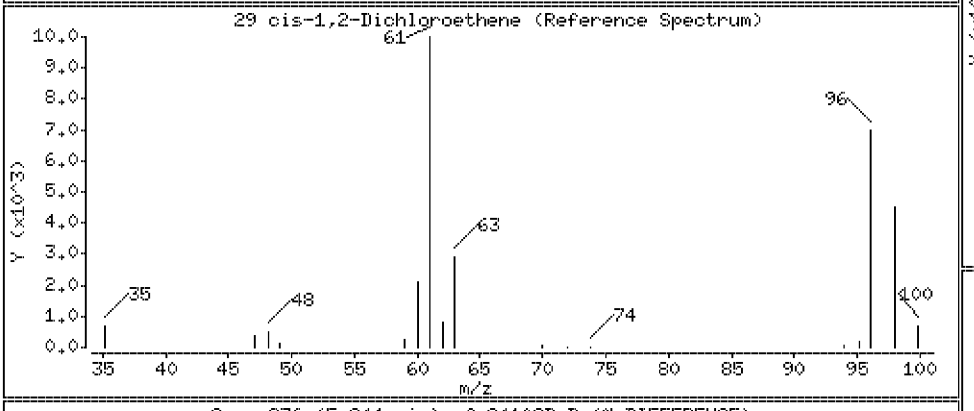
Column diameter: 0.18

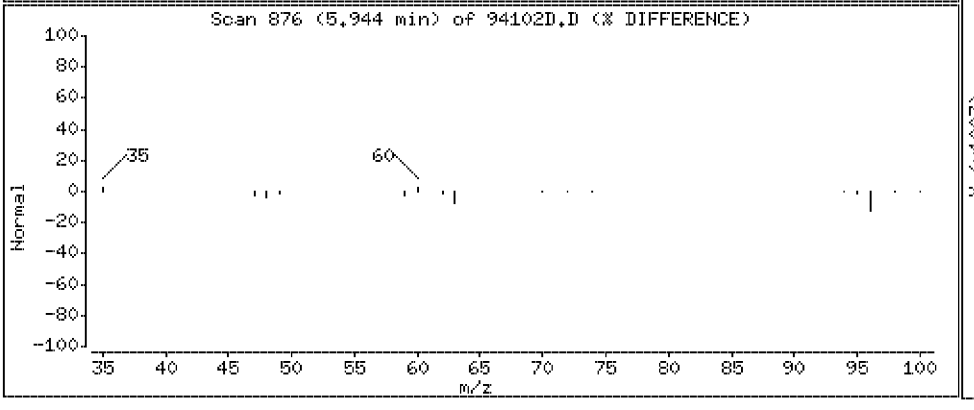
29 cis-1,2-Dichloroethene

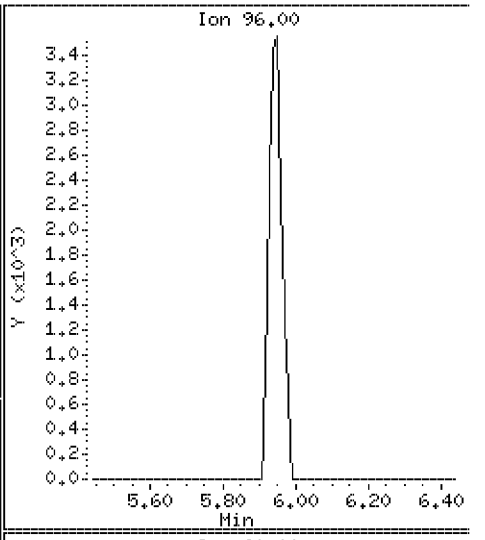
Concentration: 122 ug/l

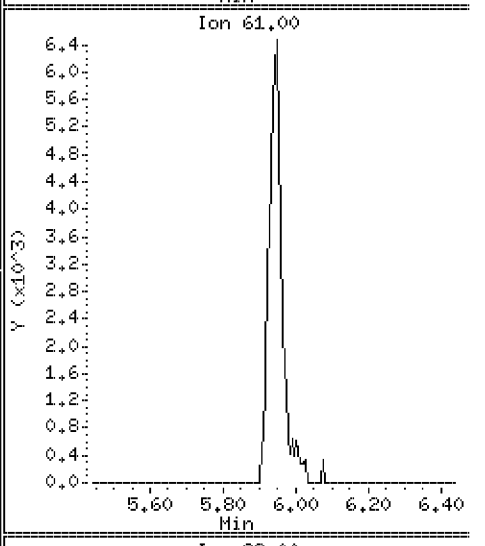


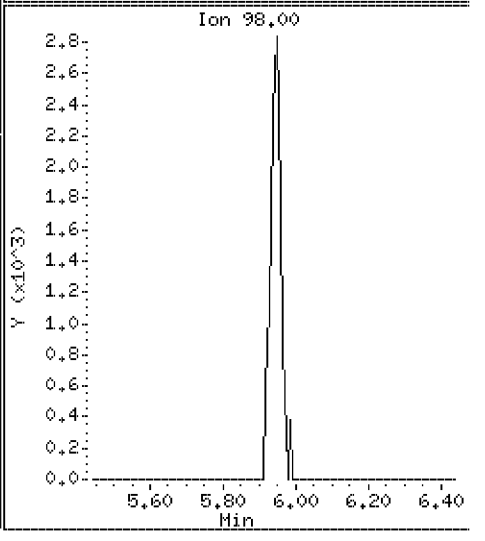












Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\94102D.D

Date : 14-JUN-2007 15:11

Client ID: TO05MW43BBL

Instrument: vms03.i

Sample Info: 250694102;2506941;100;

Purge Volume: 5.0

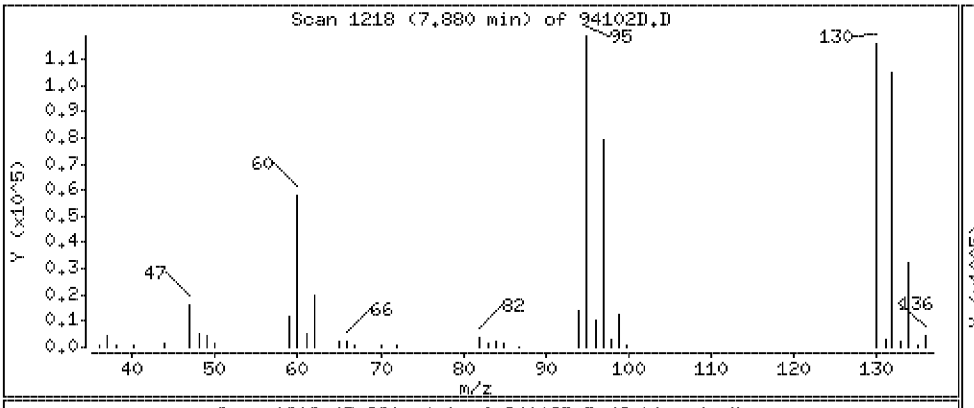
Operator:

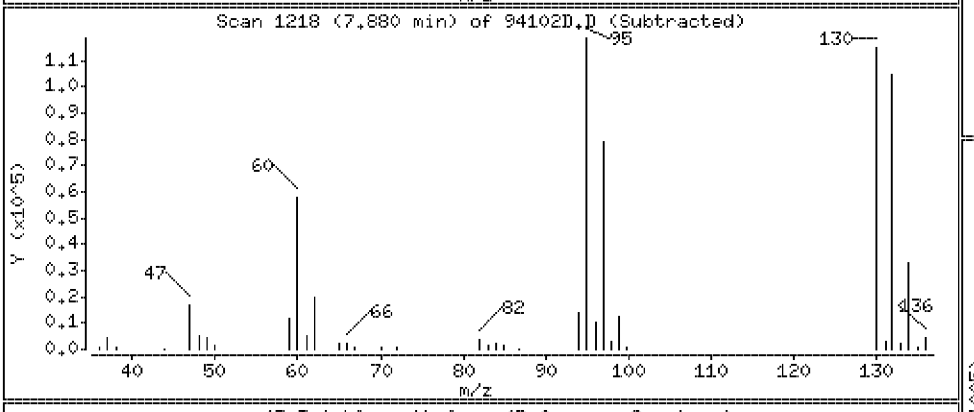
Column phase: DB-624

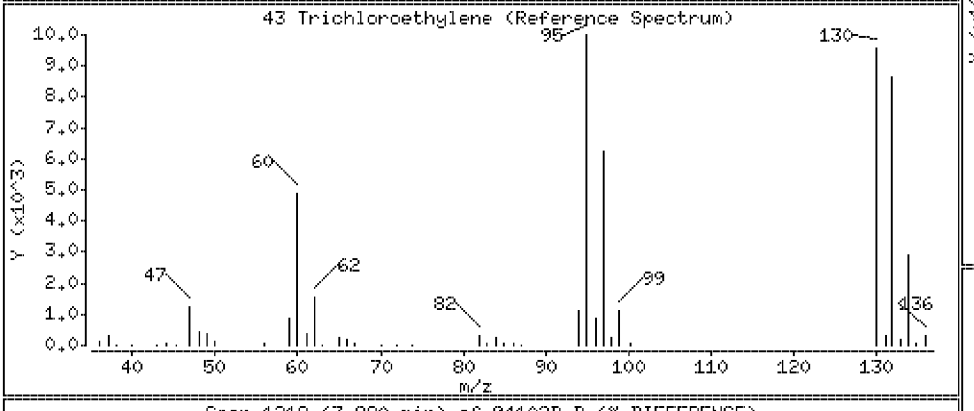
Column diameter: 0.18

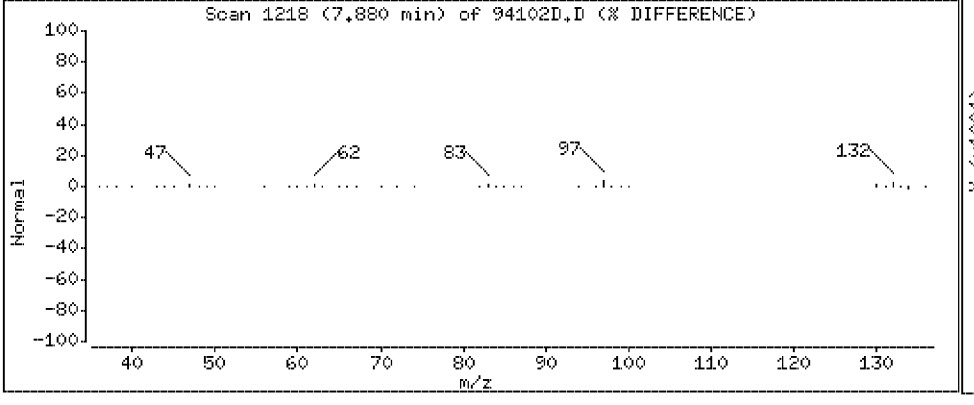
43 Trichloroethylene

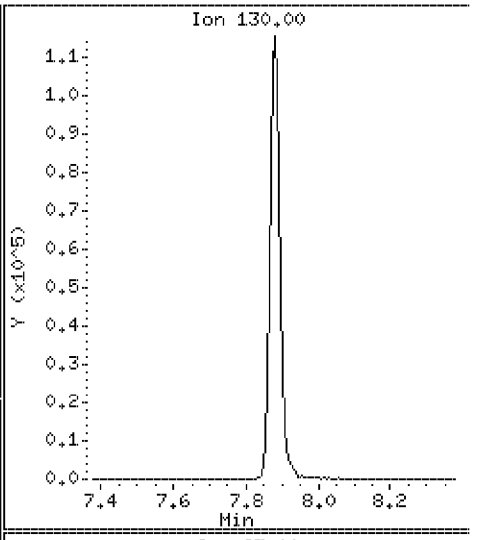
Concentration: 3400 ug/l

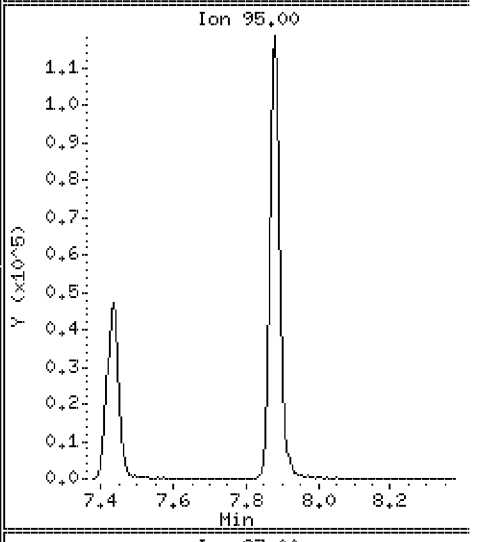


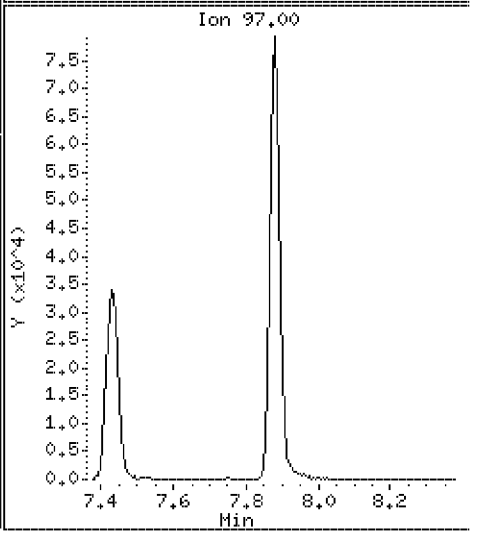












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3061407.b\94106.D
Lab Smp Id: 250694106 Client Smp ID: TO05TB1BL
Inj Date : 14-JUN-2007 14:48
Operator : Inst ID: vms03.i
Smp Info : 250694106;2506941;1;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3061407.b\8260A.m
Meth Date : 19-Jun-2007 14:50 lpelo Quant Type: ISTD
Cal Date : 22-MAY-2007 09:03 Cal File: 80PPB.D
Als bottle: 42
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.436	6.433	(0.866)	323736	50.0219	50.0
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	7.055	7.053	(0.949)	72175	49.9650	50.0(q)
* 42 FLUOROBENZENE (IS)	96	7.431	7.429	(1.000)	1197662	50.0000	
$ 53 TOLUENE d8 (surr)	98	9.172	9.171	(1.234)	1264668	51.8683	51.9
* 63 CHLOROBENZENE d5 (IS)	117	10.726	10.725	(1.000)	866401	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.953	11.951	(0.909)	486332	52.1929	52.2
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.145	13.143	(1.000)	432332	50.0000	

QC Flag Legend

q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 94106.D
Lab Smp Id: 250694106
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3061407.b\8260A.m
Misc Info:

Calibration Date: 14-JUN-2007
Calibration Time: 06:20
Client Smp ID: TO05TB1BL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1187850	593925	2375700	1197662	0.83
63 CHLOROBENZENE d5	867332	433666	1734664	866401	-0.11
86 1,4-DICHLOROBENZE	492359	246180	984718	432332	-12.19

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.02
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	0.01
86 1,4-DICHLOROBENZE	13.14	12.64	13.64	13.15	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3061407.b\94106.D

Date : 14-JUN-2007 14:48

Client ID: TO05TB1BL

Instrument: vms03.i

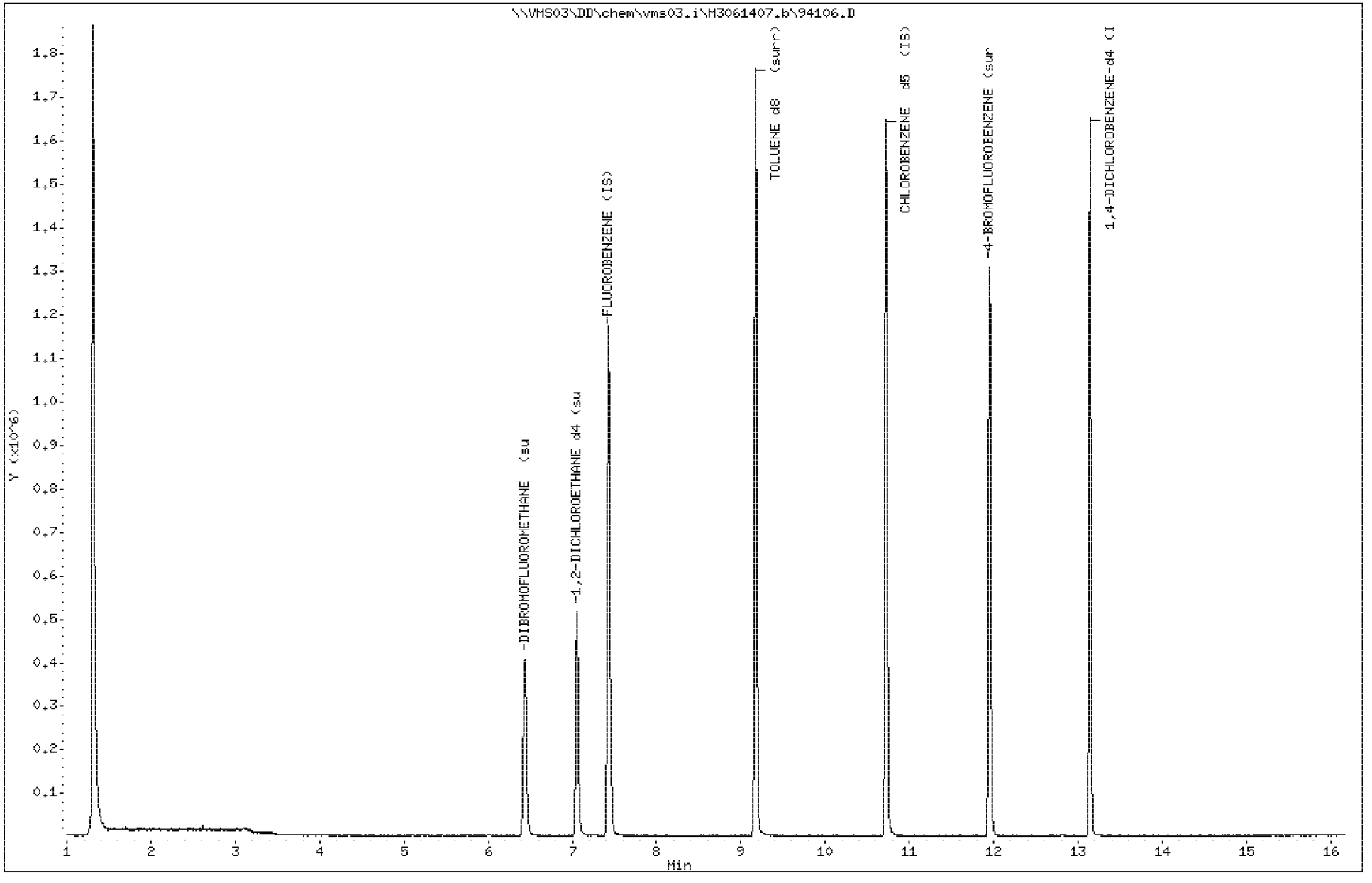
Sample Info: 250694106;2506941;1;

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



Raw Data Method FL PRO

Extraction Method 3510

Extraction Lot DCM 18707

PEL Laboratory
FL-PRO/~~DRO~~ Water

2506941_FLPRO.rif
SL

DCN: TD00038
Revision: 1
Date: 6/1/2005

Batch # 13020

Date 6/11/07 Start Time 9:00 Stop Time 3:14

Sample # (Container #)	BLK	LCS	2506941 (1) 01	→ (3) 02	2506954 (1) 01	(1) 02	(5) 03	2506955 (4) 01	(4) MS 02	(5) MSD 03
Date			6-6-~~06~~ 07 SL 6-11-07	→	6-06-~~06~~ 07 SL 6-11			6-7-07	→	→
Client ID	DI		T005MW 43ABL	T005MW 43BBL	P-1391/ PRL01-EB05	P-1391/ PRL01-SB127	P-1475/ PRL03-SB133	59mw 1070607	59 MW 1070607 MS	59 MW 1070607 SD
Odor		Water	sulfur	→	none	→		none	→	→
Color			clear	→	→	→		clear	→	→
Sed.			none	→	→	→		none	→	→
Volume (mL)	1000	1000	940	935	995			950	950	945
pH	7/<2	→	<2	→	→			<2	→	→
Surrogate ID	19011 OTP 18906 C-39	1mL @ 100ug/mL 1mL @ 150ug/mL		→	→			19011 OTP 1mL @ 100 ug/mL 18906 C-39 1mL @ 150 ug/mL		
Surr. Witness	PC	→	→	→	→			PC	→	→
Spike ID	Na	18694 FL-PRO spk 1mL@200ug/mL	Na	→	→			Na →	18694 FL-PRO spk 1mL @ 200 ug/mL	
Spike Witness	Na	PC	Na	→	→			Na →	PC	→
Final Vol.	2mL	→	→	→	→			2mL	→	→
Remarks	Na	→		→	→			Na	→	→
Archive Box/Row	Na	→	→	→	→			Na	→	→

VOID SL 6/11/07

Bath Temp 70°-80°

Silica Gel Lot 050102

Sodium Sulfate Lot 18902

Acid Lot 17753

Final Solvent Lot DCM 18707

Log Review PC

2506941

AO-189

Extraction Method 3510

Extraction Lot DCM 18707

PEL Laboratory

FL-PRO/~~DRO~~ Water

Batch # 13020

DCN: TD00038
Revision: 1
Date: 6/1/2005

SL

Date 6/11/07 Start Time 9:00 Stop Time 3:14

Sample # (Container #)	2506955 (7) 04	→ (7) 06	2506964 (8) 01	→ (7) MS 02	→ (5) MSD 03	→ (2) 04	→ (7) 05			
Date	6-7-07	→	6-8-07	→	→	→	→			
Client ID	59EB 1070607	59 FD 1070607	T005 MW40 ABL	TO 0540 AMSBL	TO0540 AMSD BL	T005 MW40 BBL	T005 FD02BL			
Odor	none	→	sulfur	→	→	→	→			
Color	clear	→	clear	→	→	→	→			
Sed.	none	→	→	→	→	→	→			
Volume (mL)	960	950	940	935	940	935	905		VOID	
pH	<2	→	<2	→	→	→	→			
Surrogate ID	19011 OTP 18906 C-39	1mL @ 100 µg/mL 1mL @ 150 µg/mL	→	→	→	→	→			
Surr. Witness	PC	→	→	→	→	→	→			
Spike ID	Na	→	→	18694 FL-PRO SPK 1mL @ 200 µg/mL	→	Na	→			
Spike Witness	Na	→	→	PC	→	Na	→			
Final Vol.	2mL	→	→	→	→	→	→			
Remarks	Na	→	slight emulsion	→	→	Na	→			
Archive Box/Row	Na	→	→	→	→	→	→			

Bath Temp 70°-80°

Silica Gel Lot 050102

Sodium Sulfate Lot 18902

Acid Lot 17753

Final Solvent Lot DCM 18707

Log Review PC

2506941

AO-190

SEQUENCE CHECK

SDG: 2506941 **Method:** FL-PRO

SAMPLE ID	LAB ID	InitialCal Reference	FILE	BATCH	COL	INSTRUMENT	RUN DATE	DILUTION
STD519635	19017	SFID0106/11/07-2214~F106110Pcal	PROCAL61.D	F106110Pcal	1	SFID01	06/11/07 18:40	1
STD519634	19018	SFID0106/11/07-2214~F106110Pcal	PROCAL5.D	F106110Pcal	1	SFID01	06/11/07 19:51	1
STD519633	19021	SFID0106/11/07-2214~F106110Pcal	PROCAL4.D	F106110Pcal	1	SFID01	06/11/07 20:27	1
STD519632	19022	SFID0106/11/07-2214~F106110Pcal	PROCAL3.D	F106110Pcal	1	SFID01	06/11/07 21:03	1
STD519631	19023	SFID0106/11/07-2214~F106110Pcal	PROCAL2.D	F106110Pcal	1	SFID01	06/11/07 21:38	1
STD519630	19024	SFID0106/11/07-2214~F106110Pcal	PROCAL11.D	F106110Pcal	1	SFID01	06/11/07 22:14	1
SSC519640	19025	SFID0106/11/07-2214~F106110Pcal	PROSECC2.D	F106110Pcal	1	SFID01	06/12/07 00:01	1
CCV521078	19025	SFID0106/11/07-2214~F106110Pcal	PROCCV1.D	F1061507	1	SFID01	06/15/07 10:09	1
3020MB	243616	SFID0106/11/07-2214~F106110Pcal	3020MB.D	F1061507	1	SFID01	06/15/07 13:16	1
3020LCS	243617	SFID0106/11/07-2214~F106110Pcal	3020LCS.D	F1061507	1	SFID01	06/15/07 13:52	1
CCV521429	19331	SFID0106/11/07-2214~F106110Pcal	PROCCV2.D	F1061507	1	SFID01	06/15/07 16:51	1
CCV521431	19331	SFID0106/11/07-2214~F106110Pcal	PROCCV4.D	F1061507	1	SFID01	06/16/07 05:51	1
TO05MW43ABL	250694101	SFID0106/11/07-2214~F106110Pcal	941-1.D	F1061507	1	SFID01	06/16/07 09:24	1
TO05MW43BBL	250694102	SFID0106/11/07-2214~F106110Pcal	941-2.D	F1061507	1	SFID01	06/16/07 09:59	1
CCV521432	19331	SFID0106/11/07-2214~F106110Pcal	PROCCV5.D	F1061507	1	SFID01	06/16/07 12:20	1

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
11896	TPH	Ultra	CB-0727	4/30/2008	1.5 ML	4/11/2006	cring-hillard
500 UG/ML: TPH							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
13875	TPH	Ultra	CC-1024	5/1/2009	1.5 ML	7/27/2006	parmstrong
500 UG/ML: TPH							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
16601	C-39	NSI W-1339-19	1339-19-01	11/1/2009	1 ML	1/15/2007	parmstrong
6000 UG/ML: Nonatriacontane (C-39)							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
16891	C-39	NSI W-1339-19	1339-19-01	11/1/2009	1 ML	2/7/2007	parmstrong
6000 UG/ML: Nonatriacontane (C-39)							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
17130	C-39	NSI W-1339-19	1339-19-01	11/1/2009	1 ML	2/20/2007	parmstrong
6000 UG/ML: Nonatriacontane (C-39)							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
17136	OTP	NSI W-1341H-02-0	W-1341H-02-08	12/1/2008	1.5 ML	2/20/2007	parmstrong
10000 UG/ML: o-Terphenyl Surrogate							

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
17274	TPH	NSI C-443-12	C-443-12	7/1/2008	1.5 ML	2/27/2007	parmstrong
2000 UG/ML: TPH							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
17517	OTP	NSI W-1341H-02-0	W-1341H-02-08	12/1/2008	1.5 ML	3/14/2007	parmstrong
10000 UG/ML: o-Terphenyl Surrogate							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18285	TPH	NSI C-443-12	C-443-12	7/1/2008	1.5 ML	5/1/2007	parmstrong
2000 UG/ML: TPH							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18400	OTP	NSI W-1341H-02-0	W-1341H-02-08	12/1/2008	1.5 ML	5/7/2007	parmstrong
10000 UG/ML: o-Terphenyl Surrogate							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18527	TPH	Ultra	CC-3232	11/1/2009	1.5 ML	5/10/2007	parmstrong
500 UG/ML: TPH							

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18528	TPH	Ultra SFL-601-1	CC-3232	11/1/2009	1.5 ML	5/10/2007	parmstrong
500 UG/ML: TPH							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18694	FL-PROwkg_spk			6/21/2007	50 ML	5/21/2007	parmstrong
200 UG/ML: TPH							
COMPOSED OF:							
18285: 1.25 ML 18286: 1.25 ML 18287: 1.25 ML 18288: 1.25 ML							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18804	PRO_CAL3			6/28/2007	5 ML	5/29/2007	lkeene
100 UG/ML: o-Terphenyl Surrogate, TPH 60 UG/ML: Nonatriacontane (C-39)							
COMPOSED OF:							
16891: 50 UL 17274: 250 UL 18400: 50 UL							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18856	FLPRO-C39-STK	CPI	125900	5/25/2010	1 ML	5/31/2007	lkeene
6000 MG/L: Nonatriacontane (C-39)							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18858	FLPRO-C39-STK	CPI	125900	5/25/2010	1 ML	5/31/2007	lkeene
6000 MG/L: Nonatriacontane (C-39)							

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18906	C-39wkg_surr			7/1/2007	100 ML	6/1/2007	lkeene

150 UG/ML: Nonatriacontane (C-39)

COMPOSED OF:

18856: 1.25 ML 18858: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19011	OTPwkg_surr			7/5/2007	100 ML	6/6/2007	lkeene

100 UG/ML: o-Terphenyl Surrogate

COMPOSED OF:

17517: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19017	PRO_CAL6			7/6/2007	1 ML	6/7/2007	lkeene

100 UG/ML: o-Terphenyl Surrogate
400 UG/ML: TPH
60 UG/ML: Nonatriacontane (C-39)

COMPOSED OF:

11896: 800 UL 17130: 10 UL 17517: 10 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19018	PRO_CAL5			7/6/2007	1 ML	6/7/2007	lkeene

100 UG/ML: o-Terphenyl Surrogate
300 UG/ML: TPH
60 UG/ML: Nonatriacontane (C-39)

COMPOSED OF:

11896: 600 UL 17130: 10 UL 17517: 10 UL

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19021	PRO_CAL4			7/6/2007	1 ML	6/7/2007	lkeene

100 UG/ML: o-Terphenyl Surrogate
150 UG/ML: TPH
60 UG/ML: Nonatriacontane (C-39)

COMPOSED OF:

13875: 300 UL 17130: 10 UL 17517: 10 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19022	PRO_CAL3			7/6/2007	5 ML	6/7/2007	lkeene

100 UG/ML: o-Terphenyl Surrogate, TPH
60 UG/ML: Nonatriacontane (C-39)

COMPOSED OF:

17130: 50 UL 17517: 50 UL 18527: 1000 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19023	PRO_CAL2			7/6/2007	1 ML	6/7/2007	lkeene

100 UG/ML: o-Terphenyl Surrogate
50 UG/ML: TPH
60 UG/ML: Nonatriacontane (C-39)

COMPOSED OF:

13875: 100 UL 17130: 10 UL 17517: 10 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19024	PRO_CAL1			7/6/2007	1 ML	6/7/2007	lkeene

100 UG/ML: o-Terphenyl Surrogate
5 UG/ML: TPH
60 UG/ML: Nonatriacontane (C-39)

COMPOSED OF:

13875: 10 UL 17130: 10 UL 17517: 10 UL

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19025	PRO_SECCCV			7/6/2007	5 ML	6/7/2007	lkeene

100 UG/ML: o-Terphenyl Surrogate, TPH
60 UG/ML: Nonatriacontane (C-39)

COMPOSED OF:

17130: 50 UL 17517: 50 UL 18285: 250 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19331	PRO_CAL3			7/6/2007	5 ML	6/15/2007	lkeene

100 UG/ML: o-Terphenyl Surrogate, TPH
60 UG/ML: Nonatriacontane (C-39)

COMPOSED OF:

16601: 50 UL 17136: 50 UL 18528: 1000 UL

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\PROCAL61.D
Lab Smp Id: 19017 Client Smp ID: PROCAL6
Inj Date : 11-JUN-2007 18:40
Operator : PEL Inst ID: sfid01.i
Smp Info : 19017
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\FLPRO.m
Meth Date : 17-Jun-2007 20:13 parmstrong Quant Type: ESTD
Cal Date : 11-JUN-2007 22:14 Cal File: PROCAL11.D
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.000	Weight of Sample
M	0.00000	% Moisture
Vf	2.000	Final extract volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	15.000		268844671	6.80000	6.6(M)
$ 2 ortho-Terphenyl	8.406	8.406	0.000	3289220	0.10000	0.091(M)
$ 3 Nonatriacontane	14.206	14.226	-0.020	2092067	0.06000	0.058(M)

QC Flag Legend

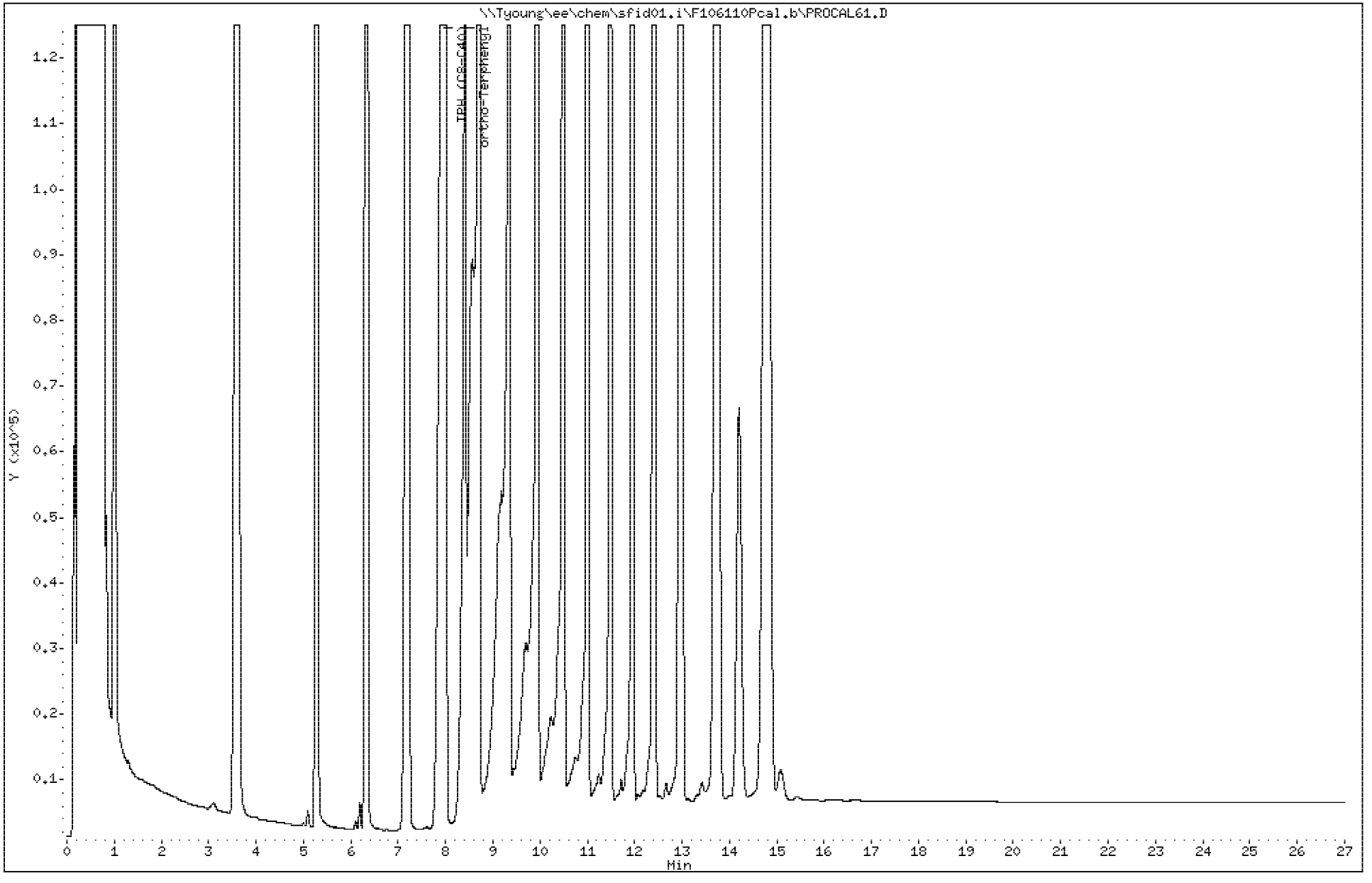
M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\PROCAL61.D
Date : 11-JUN-2007 18:40
Client ID: PROCAL6
Sample Info: 19017

Column phase: RTX-5

Instrument: sfid01.i

Operator: PEL
Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\PROCAL5.D
Lab Smp Id: 19018 Client Smp ID: PROCAL5
Inj Date : 11-JUN-2007 19:51
Operator : PEL Inst ID: sfid01.i
Smp Info : 19018
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\FLPRO.m
Meth Date : 17-Jun-2007 20:13 parmstrong Quant Type: ESTD
Cal Date : 11-JUN-2007 22:14 Cal File: PROCAL11.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.000	Weight of Sample
M	0.00000	% Moisture
Vf	2.000	Final extract volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	15.000		218150597	5.10000	5.3(M)
$ 2 ortho-Terphenyl	8.406	8.406	0.000	3253042	0.10000	0.088(M)
$ 3 Nonatriacontane	14.193	14.226	-0.033	2246893	0.06000	0.063(M)

QC Flag Legend

M - Compound response manually integrated.

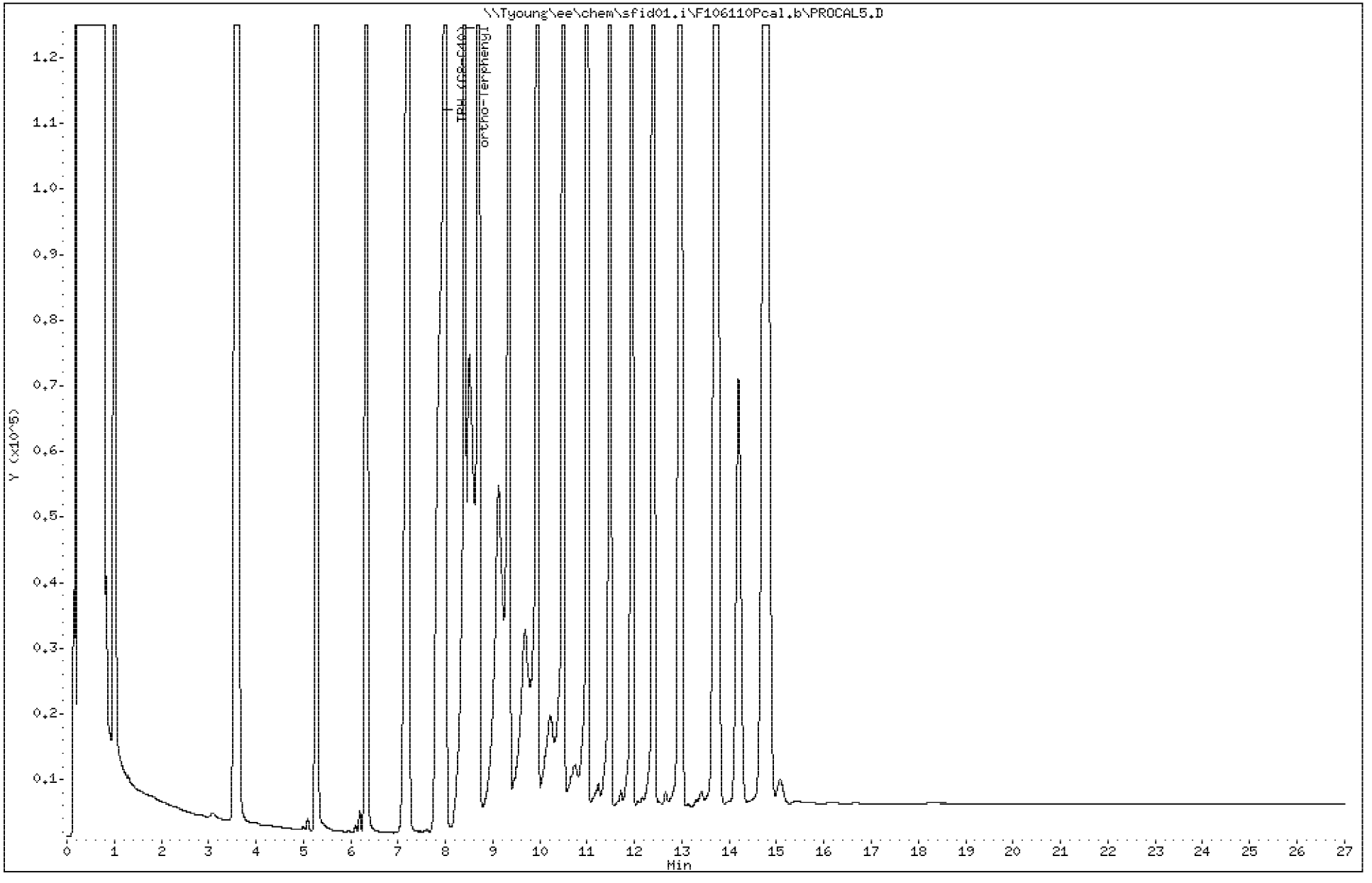
Data File: \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\PROCAL5.D
Date : 11-JUN-2007 19:51
Client ID: PROCAL5
Sample Info: 19018

Instrument: sfid01.i

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



AO-201

2506941

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\PROCAL4.D
Lab Smp Id: 19021 Client Smp ID: PROCAL4
Inj Date : 11-JUN-2007 20:27
Operator : PEL Inst ID: sfid01.i
Smp Info : 19021
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\FLPRO.m
Meth Date : 17-Jun-2007 20:13 parmstrong Quant Type: ESTD
Cal Date : 11-JUN-2007 22:14 Cal File: PROCAL11.D
Als bottle: 3 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.000	Weight of Sample
M	0.00000	% Moisture
Vf	2.000	Final extract volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	15.000		107814095	2.55000	2.4(M)
$ 2 ortho-Terphenyl	8.406	8.406	0.000	4165537	0.10000	0.11(M)
$ 3 Nonatriacontane	14.176	14.226	-0.050	2256775	0.06000	0.063(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\PROCAL4.D

Date : 11-JUN-2007 20:27

Client ID: PROCAL4

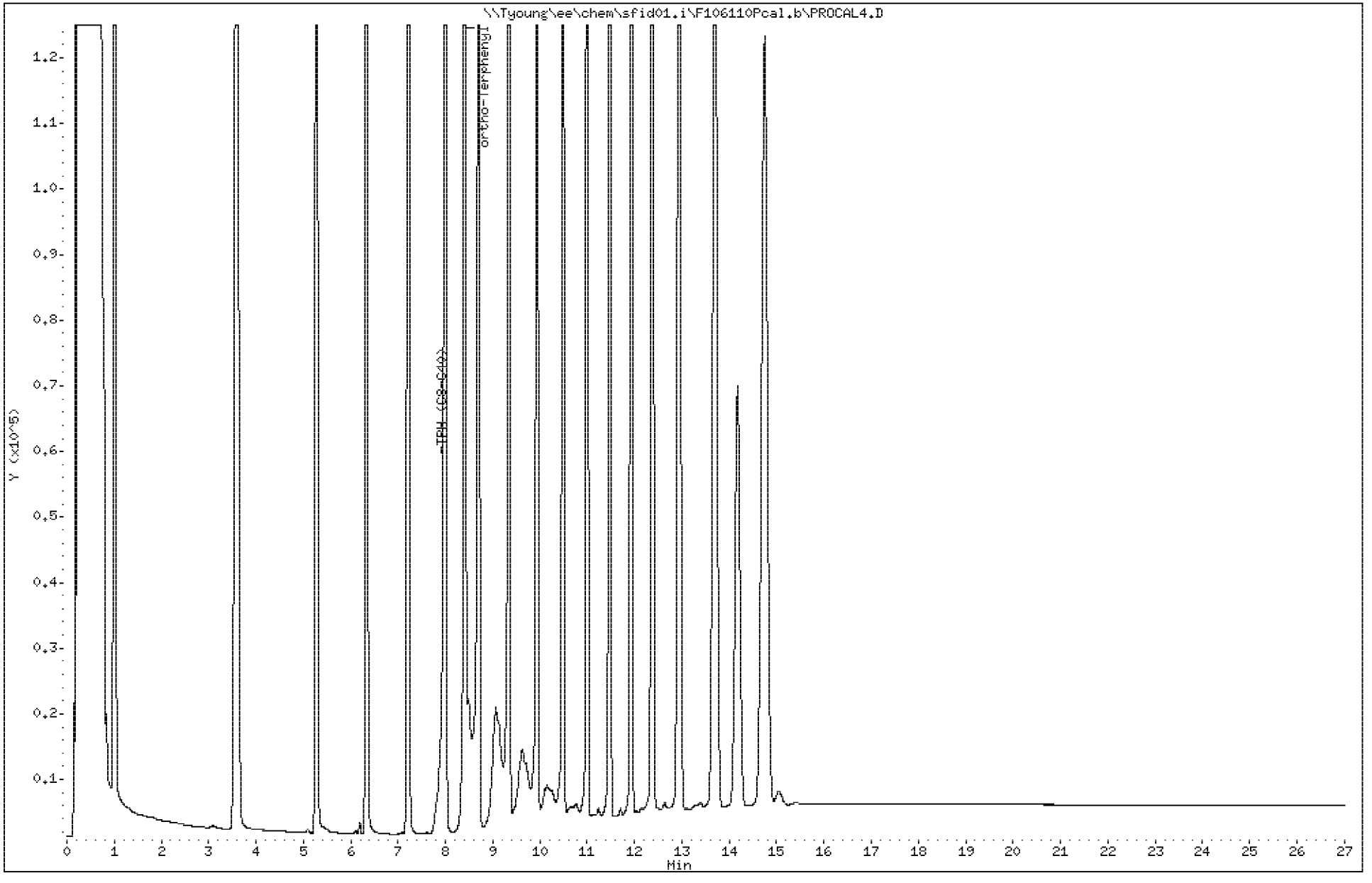
Instrument: sfid01.i

Sample Info: 19021

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



AO-203

2506941

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\PROCAL3.D
Lab Smp Id: 19022 Client Smp ID: PROCAL3
Inj Date : 11-JUN-2007 21:03
Operator : PEL Inst ID: sfid01.i
Smp Info : 19022
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\FLPRO.m
Meth Date : 17-Jun-2007 20:13 parmstrong Quant Type: ESTD
Cal Date : 11-JUN-2007 22:14 Cal File: PROCAL11.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.000	Weight of Sample
M	0.00000	% Moisture
Vf	2.000	Final extract volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	15.000		70554611	1.70000	1.6(M)
$ 2 ortho-Terphenyl	8.406	8.406	0.000	3269385	0.10000	0.090(M)
$ 3 Nonatriacontane	14.170	14.226	-0.056	1735197	0.06000	0.048(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\PROCAL3.D

Date : 11-JUN-2007 21:03

Client ID: PROCAL3

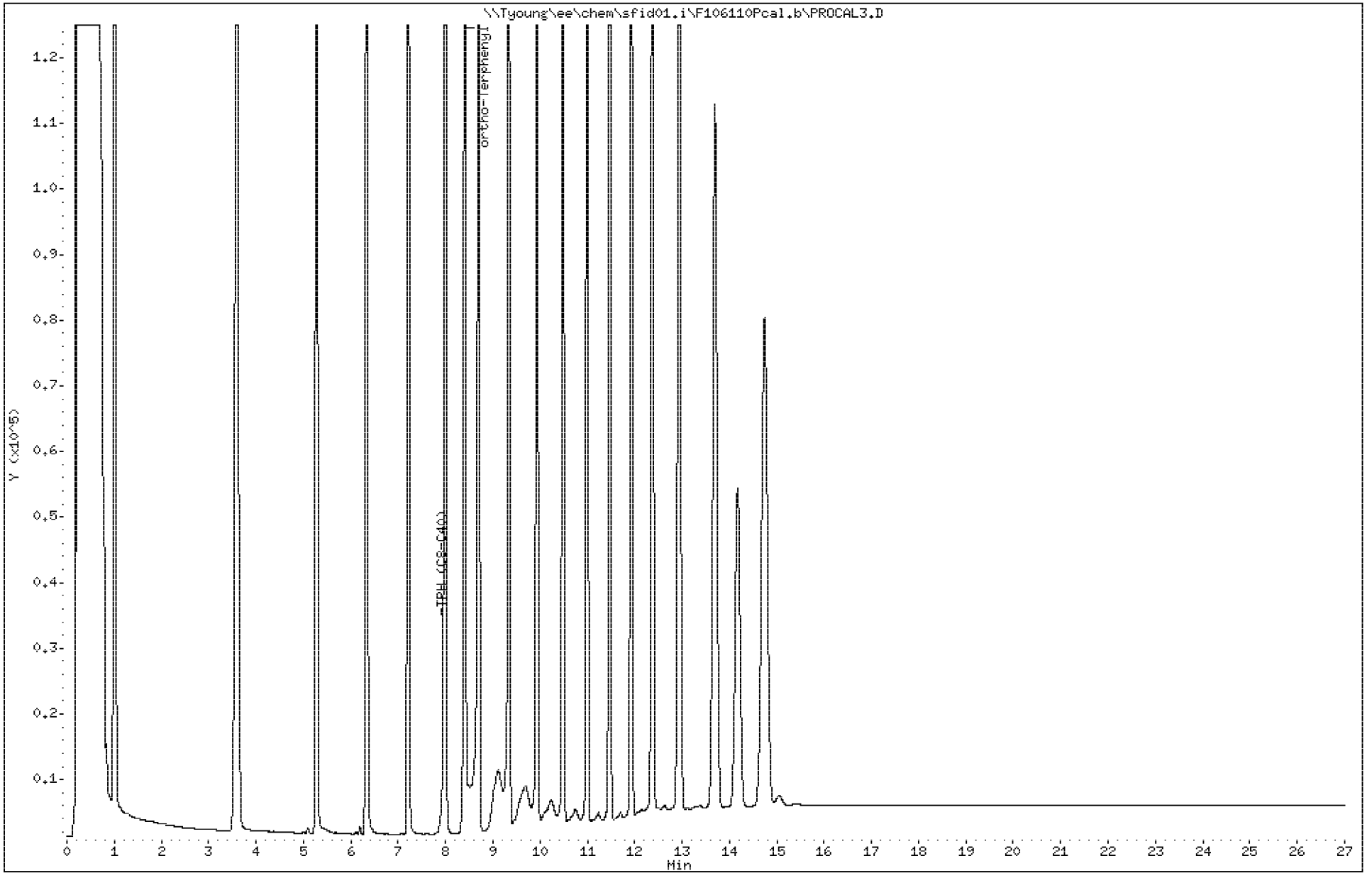
Instrument: sfid01.i

Sample Info: 19022

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



AO-205

2506941

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\PROCAL2.D
Lab Smp Id: 19023 Client Smp ID: PROCAL2
Inj Date : 11-JUN-2007 21:38
Operator : PEL Inst ID: sfid01.i
Smp Info : 19023
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\FLPRO.m
Meth Date : 17-Jun-2007 20:13 parmstrong Quant Type: ESTD
Cal Date : 11-JUN-2007 22:14 Cal File: PROCAL11.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.000	Weight of Sample
M	0.00000	% Moisture
Vf	2.000	Final extract volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	15.000		32444488	0.85000	0.72(M)
$ 2 ortho-Terphenyl	8.406	8.406	0.000	4219304	0.10000	0.12(M)
$ 3 Nonatriacontane	14.170	14.226	-0.056	2251337	0.06000	0.063(M)

QC Flag Legend

M - Compound response manually integrated.

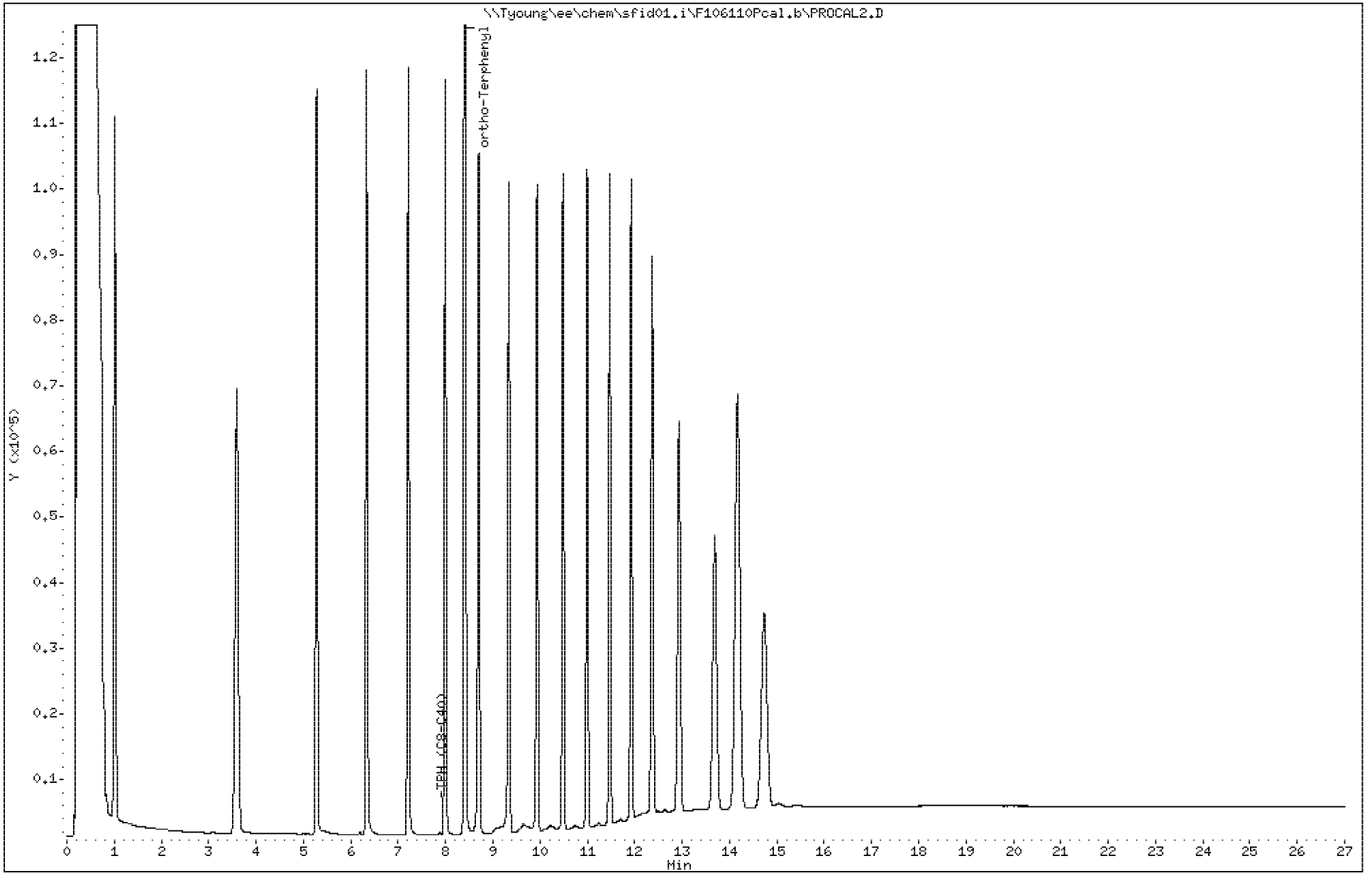
Data File: \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\PROCAL2.D
Date : 11-JUN-2007 21:38
Client ID: PROCAL2
Sample Info: 19023

Instrument: sfid01.i

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



AO-207

2506941

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\PROCAL11.D
Lab Smp Id: 19024 Client Smp ID: PROCAL11
Inj Date : 11-JUN-2007 22:14
Operator : PEL Inst ID: sfid01.i
Smp Info : 19024
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\FLPRO.m
Meth Date : 17-Jun-2007 20:13 parmstrong Quant Type: ESTD
Cal Date : 11-JUN-2007 22:14 Cal File: PROCAL11.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.000	Weight of Sample
M	0.00000	% Moisture
Vf	2.000	Final extract volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	15.000		7313202	0.10200	0.16(M)
$ 2 ortho-Terphenyl	8.406	8.406	0.000	4274371	0.10000	0.12(M)
$ 3 Nonatriacontane	14.166	14.226	-0.060	2276889	0.06000	0.064(M)

QC Flag Legend

M - Compound response manually integrated.

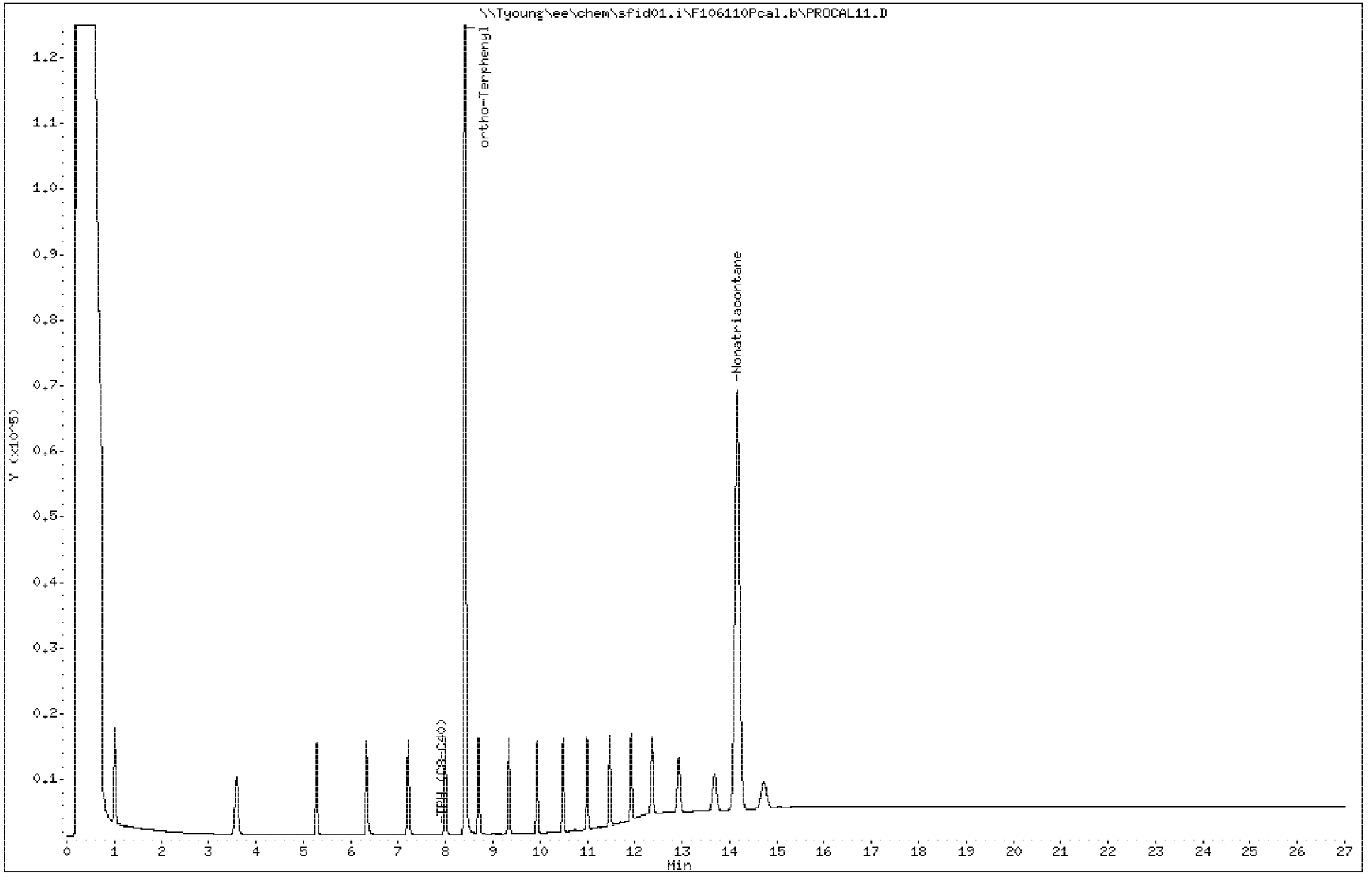
Data File: \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\PROCAL11.D
Date : 11-JUN-2007 22:14
Client ID: PROCAL11
Sample Info: 19024

Instrument: sfid01.i

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\PROSECC2.D
Lab Smp Id: 19025 Client Smp ID: PROSECC2
Inj Date : 12-JUN-2007 00:01
Operator : PEL Inst ID: sfid01.i
Smp Info : 19025
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\FLPRO.m
Meth Date : 17-Jun-2007 20:13 parmstrong Quant Type: ESTD
Cal Date : 11-JUN-2007 19:51 Cal File: PROCAL5.D
Als bottle: 7 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.000	Weight of Sample
M	0.00000	% Moisture
Vf	2.000	Final extract volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	-15.000		61151986	1.70000	1.4
$ 2 ortho-Terphenyl	8.404	8.406	-0.002	3460964	0.10000	0.092
$ 3 Nonatriacontane	14.162	14.226	-0.064	1828173	0.06000	0.051

Data File: \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\PROSECC2.D

Date : 12-JUN-2007 00:01

Client ID: PROSECC2

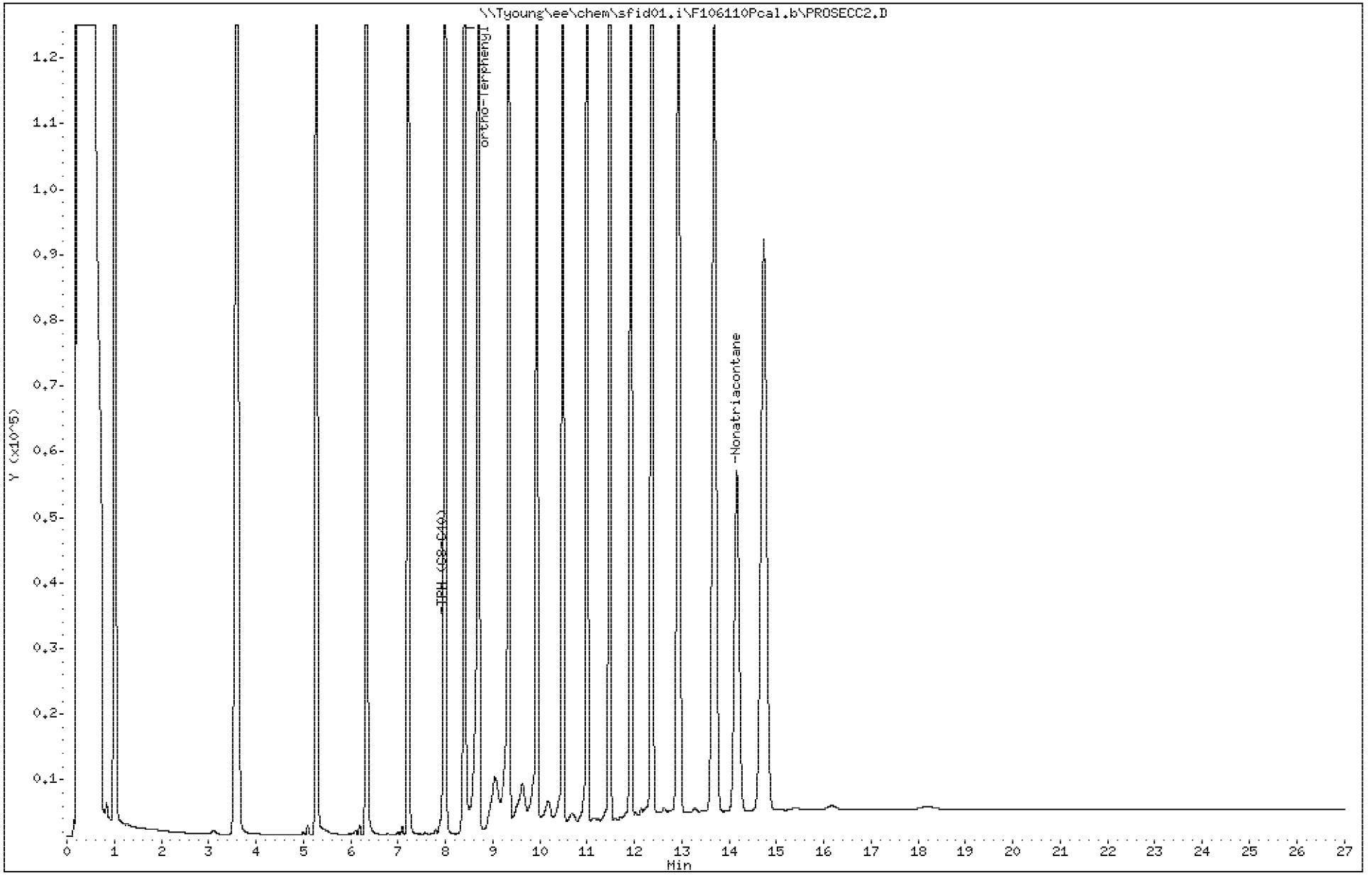
Instrument: sfid01.i

Sample Info: 19025

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



AO-211

2506941

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1061507.b\PROCCV1.D
Lab Smp Id: 19025 Client Smp ID: PROCCV1
Inj Date : 15-JUN-2007 10:09
Operator : PEL Inst ID: sfid01.i
Smp Info : 19025
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1061507.b\FLPRO.m
Meth Date : 17-Jun-2007 21:23 sfid01.i Quant Type: ESTD
Cal Date : 11-JUN-2007 19:51 Cal File: PROCAL5.D
Als bottle: 99 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.000	Weight of Sample
M	0.00000	% Moisture
Vf	2.000	Final extract volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	15.000		68805104	1.70000	1.6(M)
$ 2 ortho-Terphenyl	8.406	8.400	0.006	3228695	0.10000	0.086(M)
$ 3 Nonatriacontane	14.216	14.160	0.056	1651288	0.06000	0.046(M)

QC Flag Legend

M - Compound response manually integrated.

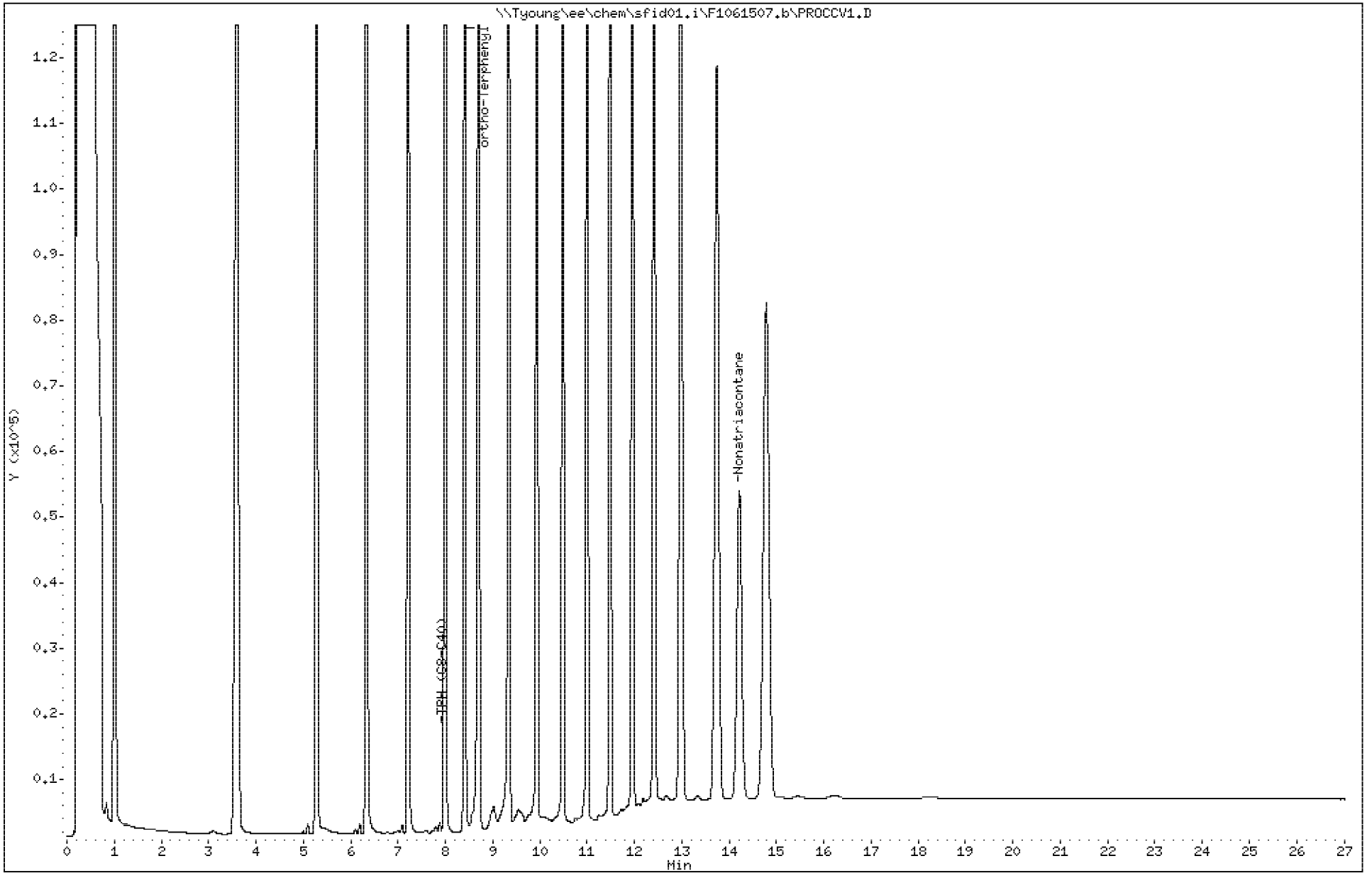
Data File: \\Tyoung\ee\chem\sfid01.i\F1061507.b\PROCCV1.D
Date : 15-JUN-2007 10:09
Client ID: PROCCV1
Sample Info: 19025

Instrument: sfid01.i

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1061507.b\3020MB.D
Lab Smp Id: 243616 Client Smp ID: 3020MB
Inj Date : 15-JUN-2007 13:16
Operator : PEL Inst ID: sfid01.i
Smp Info : 243616
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1061507.b\FLPRO.m
Meth Date : 17-Jun-2007 21:23 sfid01.i Quant Type: ESTD
Cal Date : 11-JUN-2007 19:51 Cal File: PROCAL5.D
Als bottle: 21 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1000.000	Sample Initial Volume
Vf	2.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/ml)	FINAL (mg/L)
S 1 TPH (C8-C40)	0.900	-15.000		3485501	0.02792	0.056(M)
$ 2 ortho-Terphenyl	8.400	8.400	0.000	1527007	0.04077	0.082(RM)
$ 3 Nonatriacontane	14.176	14.160	0.016	1741028	0.04874	0.097(M)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1061507.b\3020MB.D

Date : 15-JUN-2007 13:16

Client ID: 3020MB

Instrument: sfid01.i

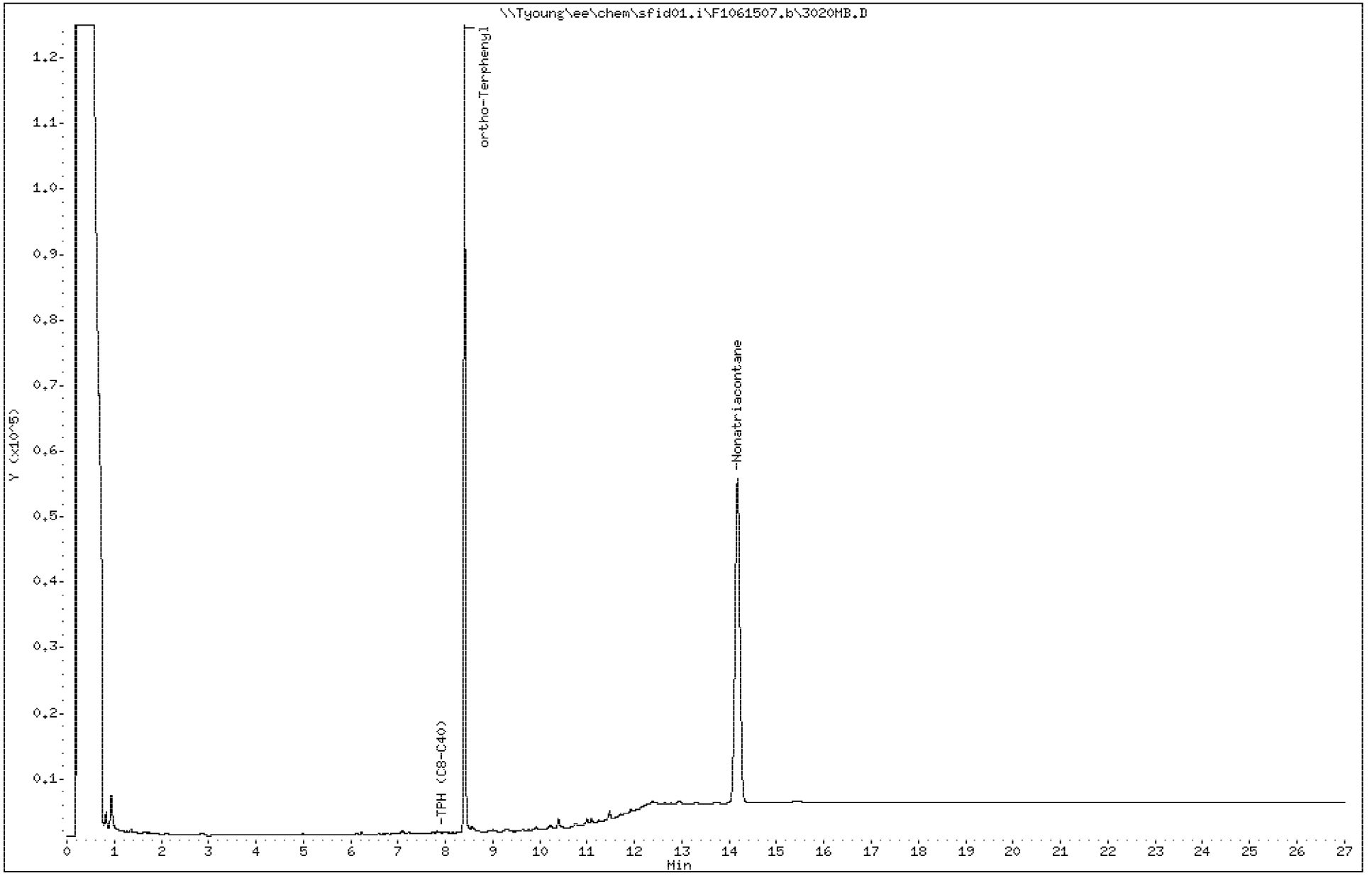
Sample Info: 243616

Volume Injected (uL): 1000.0

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1061507.b\3020LCS.D
Lab Smp Id: 243617 Client Smp ID: 3020LCS
Inj Date : 15-JUN-2007 13:52
Operator : PEL Inst ID: sfid01.i
Smp Info : 243617
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1061507.b\FLPRO.m
Meth Date : 17-Jun-2007 21:23 sfid01.i Quant Type: ESTD
Cal Date : 11-JUN-2007 19:51 Cal File: PROCAL5.D
Als bottle: 22 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1000.000	Sample Initial Volume
Vf	2.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

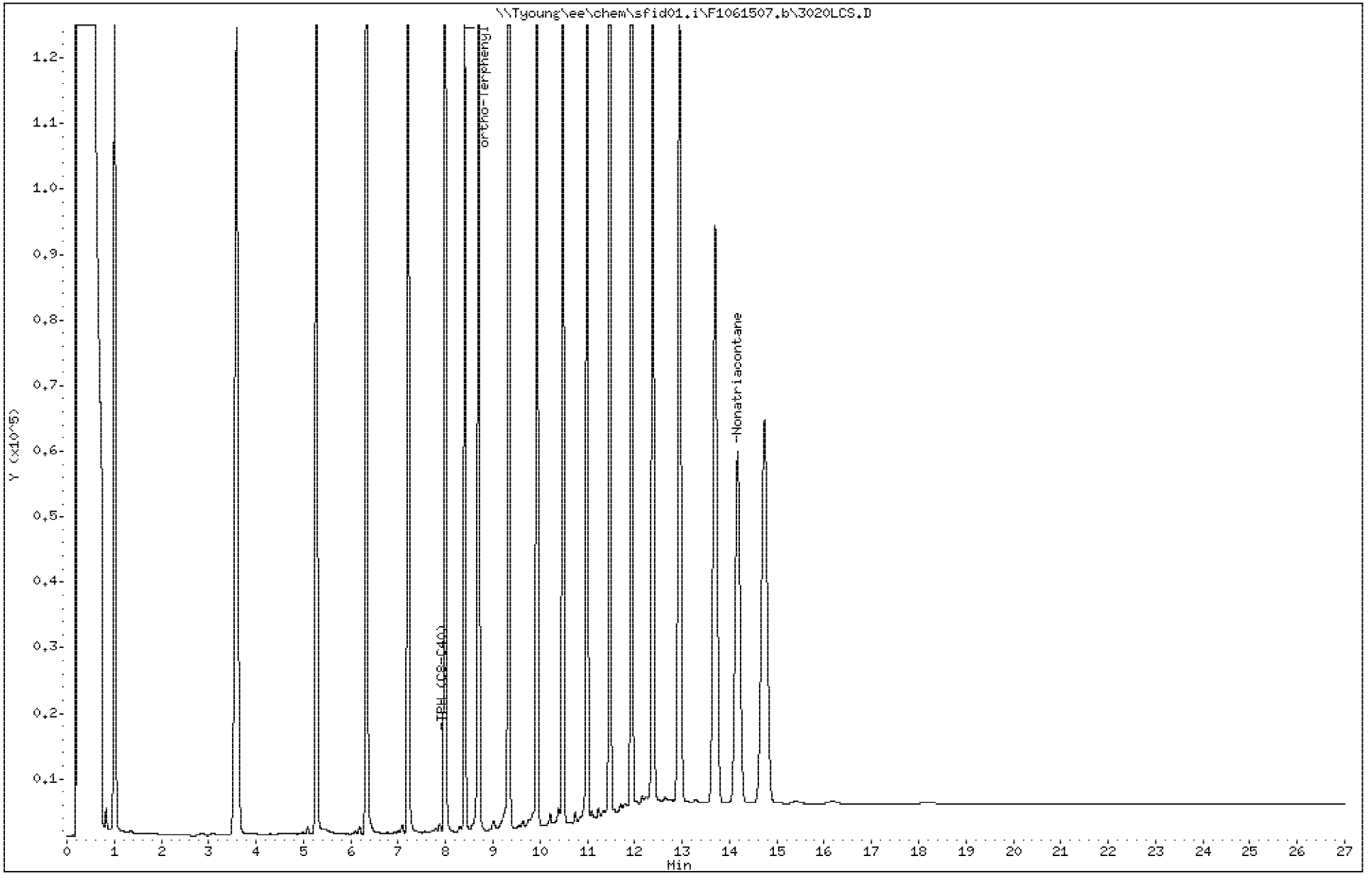
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/ml)	FINAL (mg/L)
S 1 TPH (C8-C40)	0.900	-15.000		55102171	1.30546	2.6(M)
$ 2 ortho-Terphenyl	8.403	8.400	0.003	1644102	0.04390	0.088(M)
$ 3 Nonatriacontane	14.173	14.160	0.013	1904045	0.05330	0.11(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1061507.b\3020LCS.D
Date : 15-JUN-2007 13:52
Client ID: 3020LCS
Sample Info: 243617
Volume Injected (uL): 1000.0
Column phase: RTX-5

Instrument: sfid01.i
Operator: PEL
Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1061507.b\PROCCV2.D
Lab Smp Id: 19331 Client Smp ID: PROCCV2
Inj Date : 15-JUN-2007 16:51
Operator : PEL Inst ID: sfid01.i
Smp Info : 19331
Misc Info : Florida PRO
Comment :
Method : \\TYOUNG\ee\chem\sfid01.i\F1061507.b\FLPRO.m
Meth Date : 17-Jun-2007 21:23 sfid01.i Quant Type: ESTD
Cal Date : 11-JUN-2007 19:51 Cal File: PROCAL5.D
Als bottle: 99 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TYOUNG

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.000	Weight of Sample
M	0.00000	% Moisture
Vf	2.000	Final extract volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	15.000		61533470	1.70000	1.5(M)
$ 2 ortho-Terphenyl	8.403	8.400	0.003	3216747	0.10000	0.086(M)
$ 3 Nonatriacontane	14.156	14.160	-0.004	1746941	0.06000	0.049(M)

QC Flag Legend

M - Compound response manually integrated.

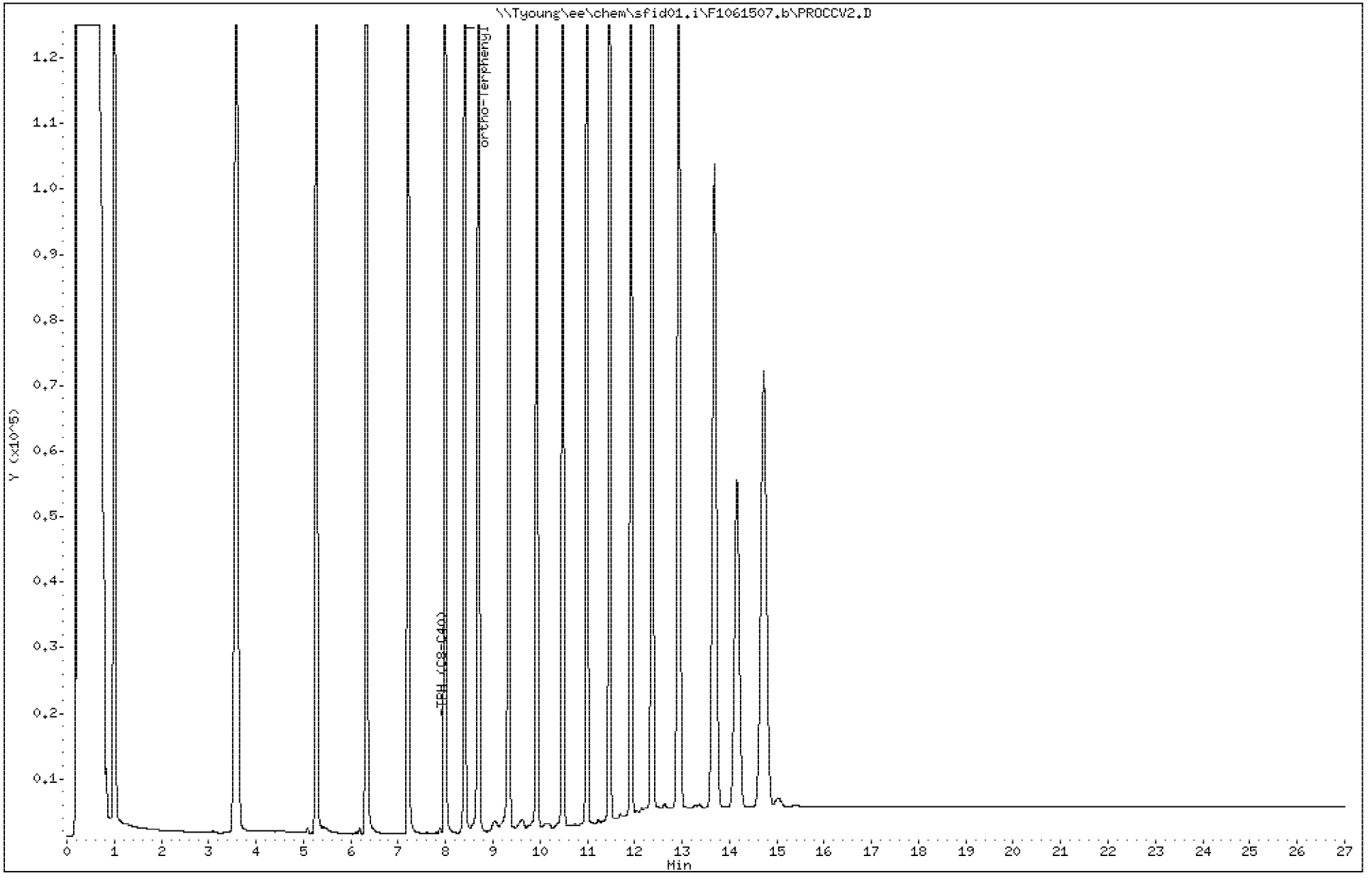
Data File: \\Tyoung\ee\chem\sfid01.i\F1061507.b\PROCCV2.D
Date : 15-JUN-2007 16:51
Client ID: PROCCV2
Sample Info: 19331

Instrument: sfid01.i

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1061507.b\PROCCV4.D
Lab Smp Id: 19331 Client Smp ID: PROCCV4
Inj Date : 16-JUN-2007 05:51
Operator : PEL Inst ID: sfid01.i
Smp Info : 19331
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1061507.b\FLPRO.m
Meth Date : 17-Jun-2007 21:23 sfid01.i Quant Type: ESTD
Cal Date : 11-JUN-2007 19:51 Cal File: PROCAL5.D
Als bottle: 99 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TYOUNG

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.000	Weight of Sample
M	0.00000	% Moisture
Vf	2.000	Final extract volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900-15.000			68552930	1.70000	1.6(M)
$ 2 ortho-Terphenyl	8.403	8.400	0.003	3509152	0.10000	0.094(M)
$ 3 Nonatriacontane	14.180	14.160	0.020	1780436	0.06000	0.050(M)

QC Flag Legend

M - Compound response manually integrated.

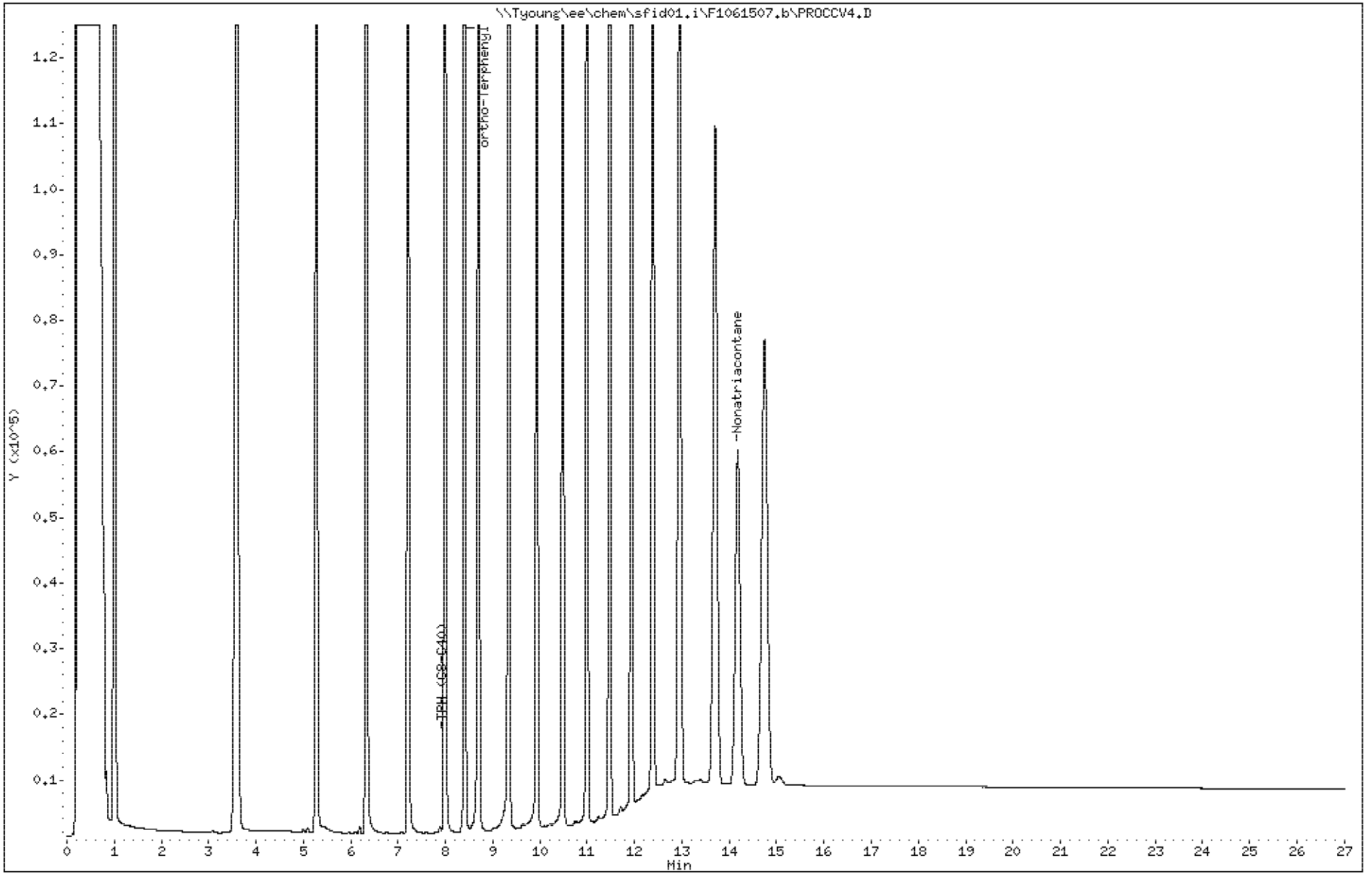
Data File: \\Tyoung\ee\chem\sfid01.i\F1061507.b\PROCCV4.D
Date : 16-JUN-2007 05:51
Client ID: PROCCV4
Sample Info: 19331

Instrument: sfid01.i

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



AO-221

2506941

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1061507.b\941-1.D
Lab Smp Id: 250694101 Client Smp ID: TO05MW43ABL
Inj Date : 16-JUN-2007 09:24
Operator : PEL Inst ID: sfid01.i
Smp Info : 250694101
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1061507.b\FLPRO.m
Meth Date : 17-Jun-2007 21:23 sfid01.i Quant Type: ESTD
Cal Date : 11-JUN-2007 19:51 Cal File: PROCAL5.D
Als bottle: 23
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	940.000	Sample Initial Volume
Vf	2.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/ml)	FINAL (mg/L)
S 1 TPH (C8-C40)	0.900	-15.000		9845920	0.18534	0.39(M)
$ 2 ortho-Terphenyl	8.400	8.400	0.000	1553848	0.04149	0.088(M)
$ 3 Nonatriacontane	14.176	14.160	0.016	1717035	0.04807	0.10(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1061507.b\941-1.D

Date : 16-JUN-2007 09:24

Client ID: TO05MW43ABL

Instrument: sfid01.i

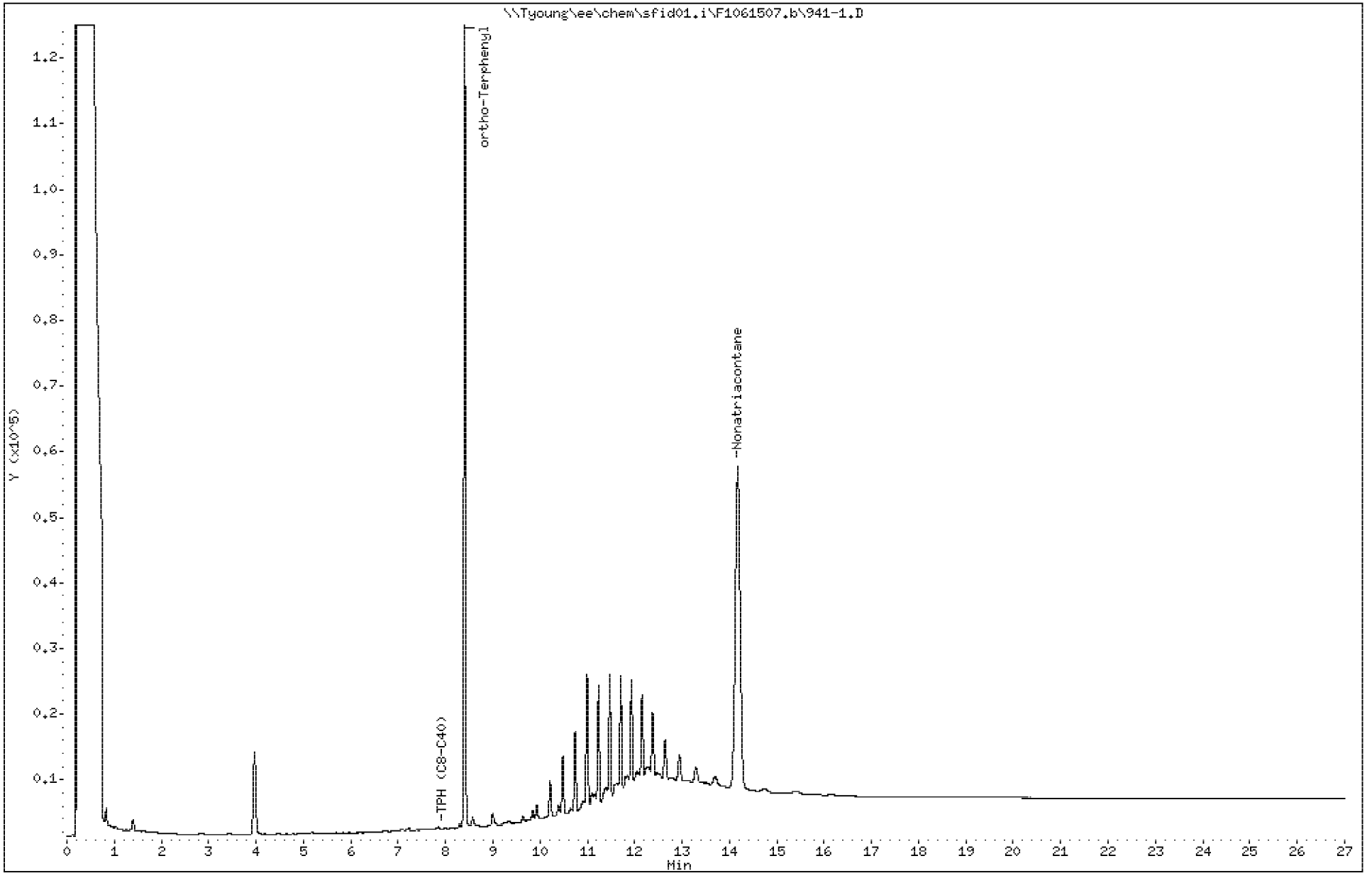
Sample Info: 250694101

Volume Injected (uL): 940.0

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1061507.b\941-2.D
Lab Smp Id: 250694102 Client Smp ID: TO05MW43BBL
Inj Date : 16-JUN-2007 09:59
Operator : PEL Inst ID: sfid01.i
Smp Info : 250694102
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1061507.b\FLPRO.m
Meth Date : 17-Jun-2007 21:23 sfid01.i Quant Type: ESTD
Cal Date : 11-JUN-2007 19:51 Cal File: PROCAL5.D
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	935.000	Sample Initial Volume
Vf	2.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/ml)	FINAL (mg/L)
S 1 TPH (C8-C40)	0.900	-15.000		4651798	0.05679	0.12(M)
$ 2 ortho-Terphenyl	8.400	8.400	0.000	1591087	0.04248	0.091(M)
$ 3 Nonatriacontane	14.176	14.160	0.016	1699996	0.04759	0.10(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1061507.b\941-2.D

Date : 16-JUN-2007 09:59

Client ID: TO05MW43BBL

Instrument: sfid01.i

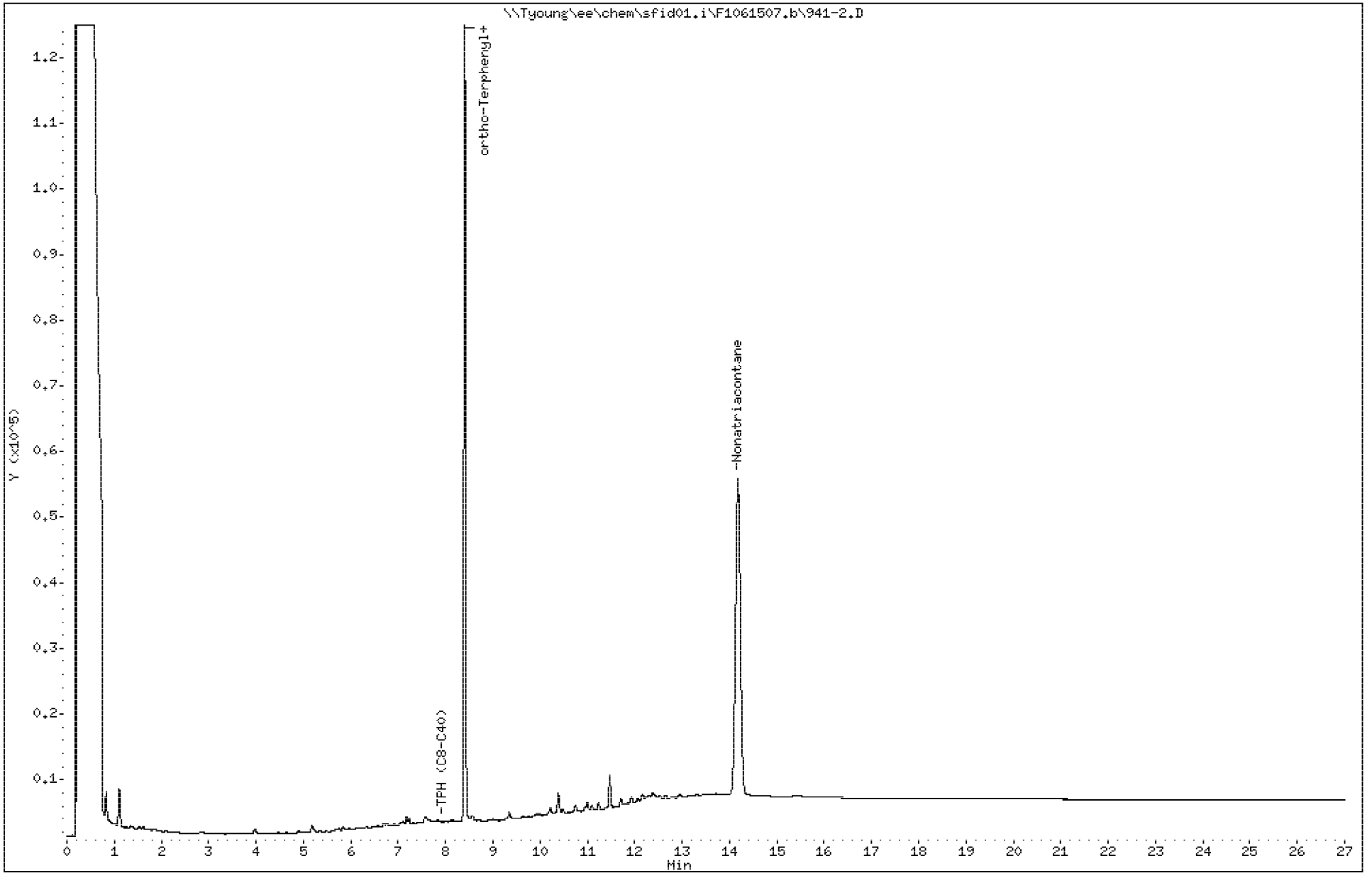
Sample Info: 250694102

Volume Injected (uL): 935.0

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1061507.b\PROCCV5.D
Lab Smp Id: 19331 Client Smp ID: PROCCV5
Inj Date : 16-JUN-2007 12:20
Operator : PEL Inst ID: sfid01.i
Smp Info : 19331
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1061507.b\FLPRO.m
Meth Date : 17-Jun-2007 21:23 sfid01.i Quant Type: ESTD
Cal Date : 11-JUN-2007 19:51 Cal File: PROCAL5.D
Als bottle: 98 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.000	Weight of Sample
M	0.00000	% Moisture
Vf	2.000	Final extract volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	15.000		63128125	1.70000	1.5(M)
$ 2 ortho-Terphenyl	8.403	8.400	0.003	3276943	0.10000	0.087(M)
$ 3 Nonatriacontane	14.176	14.160	0.016	1684534	0.06000	0.047(M)

QC Flag Legend

M - Compound response manually integrated.

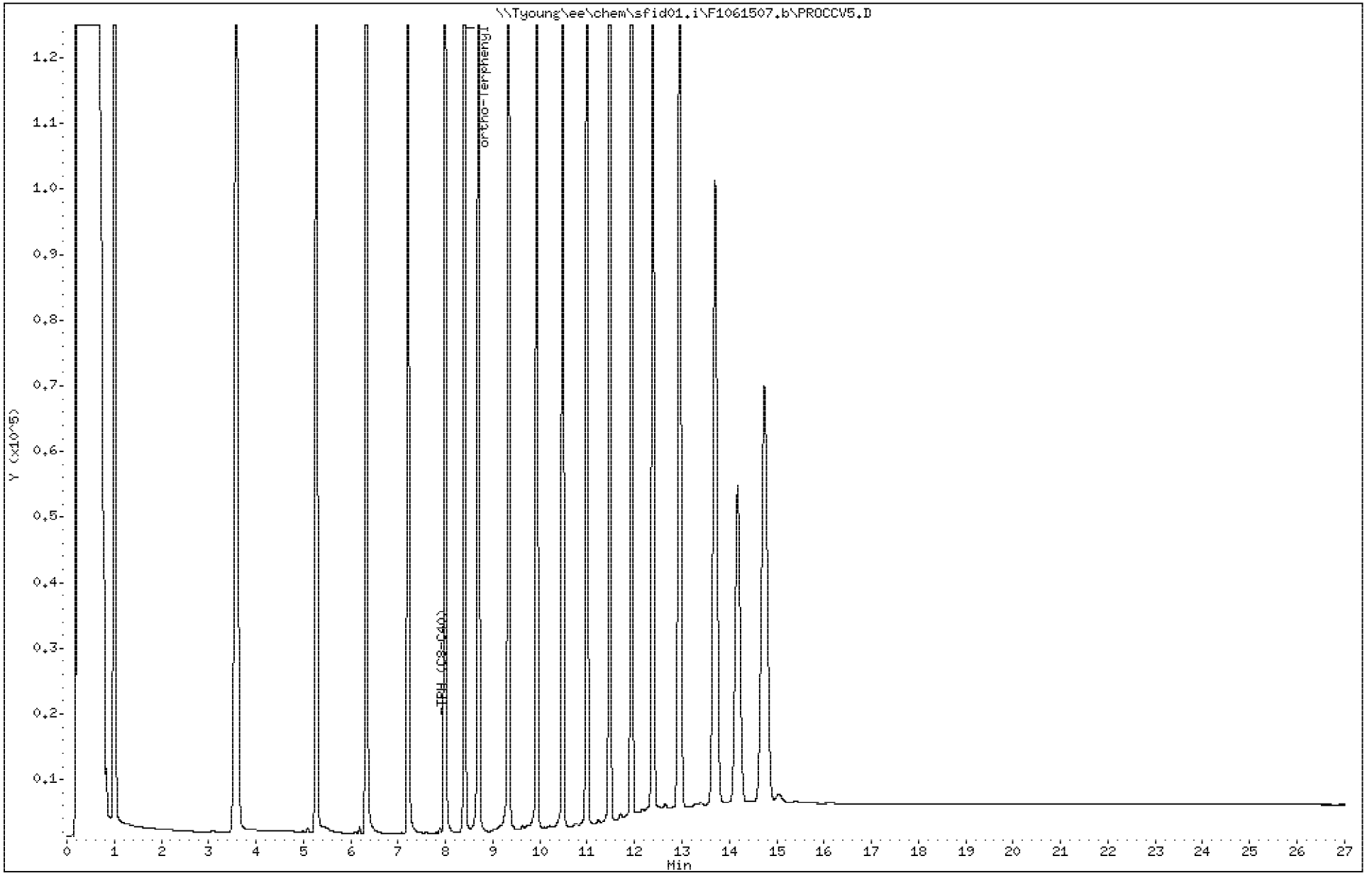
Data File: \\Tyoung\ee\chem\sfid01.i\F1061507.b\PROCCV5.D
Date : 16-JUN-2007 12:20
Client ID: PROCCV5
Sample Info: 19331

Instrument: sfid01.i

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



Raw Data Inorganics/Metals

Metals Digestion Log

Prepared by: BMD

Date Prepared: 060907

Reagents: PM#
HNO_3 219
HCl 221
H_2O_2 ~~228~~

MAJORS Spike: MET# 17742
MINORS Spike: MET# 18965

LCS/MS/SD Spike amount: 1.00 mL Each
Water Bath Temperature: 95 °C

Thermometer ID: 11873

Dig Tube: AJ02L5136

Method (Circle one)
Water: 3010A = ICP (circled)
3020 = Furnace
3005A = Total Recoverable
ILMO5.2 = CLP
Soil:
3050B = ICP or Furnace
ILMO5.2 = CLP

PREP ID # 060907A

Start Time: 1400 Stop Time: 0930 061007

	Container #	Sample ID	ID	Initial Weight (g) or Volume (mL) 3 SigFig	Final volume (mL)	Spike Verification	Comment or Notification: BATCH#: 7012
		BIKW 060907A	BLK	0.500	50.0 mL		HSN# 2433 71
		LCSW	LCS				HSN# 72
		LCSDW	LCSD				HSN# 73
1	6	2506 90205					III
1	5	06	MS				HSN# N/A
1	8	07	SD				HSN# N/A
2	4	08					
3	6	01					
4	5	02					
5	4	03					
6	8	04					
7	4	2506 946 01					III
8	3	2506 938 01					I
9	3	02					
10	6	2506 941 01					IV
11	6	02					
12	5	2506 955 01					IV
13	6	02	MS				
14	3	03	SD				
15	3	04					
16	3	06 ~~A 05~~					
17							
18		BMD 060907					
19							
20							

W:\metals\LogBooks\MetDigLog_1106_TEMPLATE
REV 01/06

BMD 060907

2506941

==========

Reprocessing Begun
Logged In Analyst: inorg **Technique: ICP Continuous**

Results Data Set (original): 061407A
Results Library (original): D:\pe\administrator\Results\Results.mdb
Results Data Set (reprocessed): 061407A-R1
Results Library (reprocessed): D:\pe\administrator\Results\Results.mdb

==========

Sequence No.: 1 **Autosampler Location: 1**
Sample ID: STD1-Blank **Date Collected: 6/14/2007 9:49:02 AM**
Analyst: **Data Type: Reprocessed on 6/14/2007 11:57:09 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: STD1-Blank

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1568990.3	2917.60	0.19%	100	%
Sc Radial	196873.4	389.64	0.20%	100	%
Ag 328.068†	228.8	33.80	14.77%	[0.00]	ug/L
Al 308.215†	69.2	14.00	20.23%	[0.00]	ug/L
As 188.979†	-3.2	1.70	52.91%	[0.00]	ug/L
Ba 233.527†	-100.2	6.99	6.97%	[0.00]	ug/L
Be 234.861†	-194.9	1.72	0.88%	[0.00]	ug/L
Ca 315.887†	183.2	8.57	4.68%	[0.00]	ug/L
Cd 226.502†	-4.3	3.29	76.02%	[0.00]	ug/L
Co 228.616†	-37.7	7.09	18.84%	[0.00]	ug/L
Cr 267.716†	26.4	9.16	34.75%	[0.00]	ug/L
Cu 324.752†	6249.8	87.90	1.41%	[0.00]	ug/L
Fe 259.939†	112.4	0.16	0.14%	[0.00]	ug/L
K 766.490†	188.5	29.37	15.58%	[0.00]	ug/L
Li 460.286†	214.3	62.18	29.01%	[0.00]	ug/L
Mg 279.077†	121.9	5.14	4.21%	[0.00]	ug/L
Mn 257.610†	507.5	5.82	1.15%	[0.00]	ug/L
Mo 202.031†	0.6	4.65	824.58%	[0.00]	ug/L
Na 589.592†	252.6	19.94	7.89%	[0.00]	ug/L
Ni 231.604†	-40.5	4.87	12.02%	[0.00]	ug/L
Pb 220.353†	21.3	4.30	20.17%	[0.00]	ug/L
Sb 206.836†	25.3	0.87	3.43%	[0.00]	ug/L
Se 196.026†	-9.4	4.34	45.90%	[0.00]	ug/L
Sn 189.927†	-2.2	2.06	92.97%	[0.00]	ug/L
Sr 421.552†	331.7	11.69	3.53%	[0.00]	ug/L
Ti 334.940†	-207.2	20.91	10.09%	[0.00]	ug/L
Tl 190.801†	2.1	3.73	177.98%	[0.00]	ug/L
V 292.402†	9.1	7.13	78.59%	[0.00]	ug/L
Zn 206.200†	48.8	4.03	8.27%	[0.00]	ug/L

==========

Sequence No.: 2
Sample ID: Calib Std 1Maj
Analyst:
Logged In Analyst (Original) : inorg
Initial Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 6/14/2007 9:53:27 AM
Data Type: Reprocessed on 6/14/2007 11:57:11 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 1Maj

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1569999.4	6145.96	0.39%	100	%
Sc Radial	201721.7	510.03	0.25%	102	%
Al 308.215†	69.6	6.20	8.90%	[25]	ug/L
Ba 233.527†	38.8	3.20	8.24%	[0.5]	ug/L
Be 234.861†	64.3	2.63	4.09%	[0.5]	ug/L
Ca 315.887†	289.5	12.41	4.29%	[25]	ug/L
Cd 226.502†	0.5	3.84	737.07%	[0.5]	ug/L
Co 228.616†	12.5	5.27	42.20%	[0.5]	ug/L
Fe 259.939†	508.8	1.74	0.34%	[40]	ug/L
K 766.490†	17.6	36.28	205.84%	[25]	ug/L
Mg 279.077†	243.4	6.17	2.53%	[25]	ug/L
Na 589.592†	328.5	35.94	10.94%	[25]	ug/L
Sr 421.552†	320.6	11.37	3.55%	[0.4]	ug/L
Ti 334.940†	192.2	8.91	4.63%	[0.4]	ug/L
V 292.402†	19.5	2.00	10.28%	[0.5]	ug/L

==========

Sequence No.: 3 **Autosampler Location: 2**
Sample ID: Calib Std 1 **Date Collected: 6/14/2007 9:57:52 AM**
Analyst: **Data Type: Reprocessed on 6/14/2007 11:57:12 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: Calib Std 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1508408.4	4473.46	0.30%	96.1	%
Sc Radial	190892.8	1159.00	0.61%	97.0	%
Ag 328.068†	395.7	23.05	5.83%	[5]	ug/L
Al 308.215†	677.7	12.44	1.84%	[250]	ug/L
As 188.979†	7.6	4.06	53.47%	[5]	ug/L
Ba 233.527†	573.5	7.62	1.33%	[5]	ug/L
Be 234.861†	863.2	1.34	0.15%	[5]	ug/L
Ca 315.887†	2777.7	15.90	0.57%	[250]	ug/L
Cd 226.502†	40.2	3.06	7.60%	[5]	ug/L
Co 228.616†	118.0	3.77	3.19%	[5]	ug/L
Cr 267.716†	162.3	6.29	3.88%	[5]	ug/L
Cu 324.752†	1500.7	59.19	3.94%	[5]	ug/L
Fe 259.939†	5526.8	25.07	0.45%	[400]	ug/L
K 766.490†	897.0	10.16	1.13%	[250]	ug/L
Li 460.286†	680.2	21.03	3.09%	[50]	ug/L
Mg 279.077†	2555.1	25.90	1.01%	[250]	ug/L
Mn 257.610†	2834.8	2.30	0.08%	[5]	ug/L
Mo 202.031†	16.7	3.64	21.81%	[5]	ug/L
Na 589.592†	3177.0	47.63	1.50%	[250]	ug/L
Ni 231.604†	47.8	6.44	13.47%	[5]	ug/L
Pb 220.353†	6.3	5.97	95.49%	[5]	ug/L
Sb 206.836†	21.8	4.41	20.26%	[5]	ug/L
Se 196.026†	7.4	3.22	43.34%	[5]	ug/L
Sn 189.927†	3.6	2.14	59.49%	[4]	ug/L
Sr 421.552†	2936.3	40.64	1.38%	[4]	ug/L
Ti 334.940†	1882.4	23.39	1.24%	[4]	ug/L
Tl 190.801†	7.5	5.97	79.20%	[5]	ug/L
V 292.402†	139.1	4.70	3.38%	[5]	ug/L
Zn 206.200†	82.0	7.66	9.34%	[5]	ug/L

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Sequence No.: 4 **Autosampler Location: 3**
Sample ID: Calib Std 2 **Date Collected: 6/14/2007 10:02:20 AM**
Analyst: **Data Type: Reprocessed on 6/14/2007 11:57:13 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: Calib Std 2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1537358.7	9214.43	0.60%	98.0	%
Sc Radial	198206.5	460.18	0.23%	101	%
Ag 328.068†	5232.5	78.08	1.49%	[50]	ug/L
Al 308.215†	6540.2	2.80	0.04%	[2500]	ug/L
As 188.979†	66.8	2.63	3.94%	[50]	ug/L
Ba 233.527†	5772.6	40.15	0.70%	[50]	ug/L
Be 234.861†	8932.2	17.86	0.20%	[50]	ug/L
Ca 315.887†	25255.9	99.51	0.39%	[2500]	ug/L
Cd 226.502†	437.0	4.77	1.09%	[50]	ug/L
Co 228.616†	1197.4	1.33	0.11%	[50]	ug/L
Cr 267.716†	1487.9	7.61	0.51%	[50]	ug/L
Cu 324.752†	13777.4	116.54	0.85%	[50]	ug/L
Fe 259.939†	53158.1	70.31	0.13%	[4000]	ug/L
K 766.490†	10509.9	27.68	0.26%	[2500]	ug/L
Li 460.286†	6643.9	98.06	1.48%	[500]	ug/L
Mg 279.077†	24917.6	84.10	0.34%	[2500]	ug/L
Mn 257.610†	27017.3	55.13	0.20%	[50]	ug/L
Mo 202.031†	182.2	2.70	1.48%	[50]	ug/L
Na 589.592†	27288.9	73.66	0.27%	[2500]	ug/L
Ni 231.604†	509.5	8.11	1.59%	[50]	ug/L
Pb 220.353†	75.0	3.30	4.41%	[50]	ug/L
Sb 206.836†	109.1	6.58	6.03%	[50]	ug/L
Se 196.026†	49.9	5.04	10.11%	[50]	ug/L
Sn 189.927†	63.2	4.02	6.36%	[40]	ug/L
Sr 421.552†	29731.2	87.84	0.30%	[40]	ug/L
Ti 334.940†	18235.8	74.48	0.41%	[40]	ug/L
Tl 190.801†	72.6	5.02	6.91%	[50]	ug/L
V 292.402†	1350.5	11.40	0.84%	[50]	ug/L
Zn 206.200†	783.7	11.53	1.47%	[50]	ug/L

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Sequence No.: 5
Sample ID: Calib Std 3
Analyst:
Logged In Analyst (Original) : inorg
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 6/14/2007 10:06:17 AM
Data Type: Reprocessed on 6/14/2007 11:57:14 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1484087.2	8718.21	0.59%	94.6	%
Sc Radial	191885.7	559.91	0.29%	97.5	%
Ag 328.068†	56181.2	210.59	0.37%	[500]	ug/L
Al 308.215†	67993.1	82.55	0.12%	[25000]	ug/L
As 188.979†	707.5	2.77	0.39%	[500]	ug/L
Ba 233.527†	59421.9	343.78	0.58%	[500]	ug/L
Be 234.861†	93961.5	493.67	0.53%	[500]	ug/L
Ca 315.887†	263430.0	565.78	0.21%	[25000]	ug/L
Cd 226.502†	4441.5	20.47	0.46%	[500]	ug/L
Co 228.616†	12178.1	20.39	0.17%	[500]	ug/L
Cr 267.716†	15299.5	111.58	0.73%	[500]	ug/L
Cu 324.752†	143475.7	899.64	0.63%	[500]	ug/L
Fe 259.939†	536201.9	1310.52	0.24%	[40000]	ug/L
K 766.490†	108307.2	176.11	0.16%	[25000]	ug/L
Li 460.286†	73313.3	237.13	0.32%	[5000]	ug/L
Mg 279.077†	255685.9	2134.23	0.83%	[25000]	ug/L
Mn 257.610†	271947.9	236.11	0.09%	[500]	ug/L
Mo 202.031†	1917.7	13.75	0.72%	[500]	ug/L
Na 589.592†	277574.7	514.03	0.19%	[25000]	ug/L
Ni 231.604†	5048.8	29.86	0.59%	[500]	ug/L
Pb 220.353†	771.1	5.37	0.70%	[500]	ug/L
Sb 206.836†	1113.0	8.05	0.72%	[500]	ug/L
Se 196.026†	535.3	3.07	0.57%	[500]	ug/L
Sn 189.927†	667.2	4.85	0.73%	[400]	ug/L
Sr 421.552†	305378.0	673.77	0.22%	[400]	ug/L
Ti 334.940†	188445.9	607.38	0.32%	[400]	ug/L
Tl 190.801†	767.3	11.08	1.44%	[500]	ug/L
V 292.402†	14037.7	71.52	0.51%	[500]	ug/L
Zn 206.200†	8245.7	45.98	0.56%	[500]	ug/L

Sequence No.: 6 **Autosampler Location: 9**
Sample ID: Calib Std 4 **Date Collected: 6/14/2007 10:10:18 AM**
Analyst: **Data Type: Reprocessed on 6/14/2007 11:57:15 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: Calib Std 4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1418168.0	1589.85	0.11%	90.4	%
Sc Radial	184750.6	816.33	0.44%	93.8	%
Al 308.215†	670183.1	2220.89	0.33%	[250000]	ug/L
As 188.979†	6805.5	16.58	0.24%	[5000]	ug/L
Ba 233.527†	546098.9	2011.13	0.37%	[5000]	ug/L
Be 234.861†	885503.2	2589.88	0.29%	[5000]	ug/L
Ca 315.887†	2436151.1	16365.67	0.67%	[250000]	ug/L
Cd 226.502†	39433.1	82.76	0.21%	[5000]	ug/L
Co 228.616†	108433.4	259.15	0.24%	[5000]	ug/L
Cr 267.716†	139638.0	317.37	0.23%	[5000]	ug/L
Cu 324.752†	1498966.9	6115.26	0.41%	[5000]	ug/L
Fe 259.939†	4812236.9	33016.64	0.69%	[400000]	ug/L
K 766.490†	1105285.8	4779.35	0.43%	[250000]	ug/L
Mg 279.077†	2385790.7	7861.58	0.33%	[250000]	ug/L
Mn 257.610†	2434768.8	6154.23	0.25%	[5000]	ug/L
Mo 202.031†	17683.3	68.54	0.39%	[5000]	ug/L
Na 589.592†	2753271.8	13055.16	0.47%	[250000]	ug/L
Ni 231.604†	45513.8	167.88	0.37%	[5000]	ug/L
Pb 220.353†	7096.1	19.00	0.27%	[5000]	ug/L
Sb 206.836†	10489.7	43.06	0.41%	[5000]	ug/L
Se 196.026†	5234.8	19.83	0.38%	[5000]	ug/L
Sn 189.927†	6169.4	15.20	0.25%	[4000]	ug/L
Sr 421.552†	2945648.8	14908.90	0.51%	[4000]	ug/L
Ti 334.940†	1780228.2	6032.98	0.34%	[4000]	ug/L
Tl 190.801†	7158.3	29.58	0.41%	[5000]	ug/L
V 292.402†	131924.8	401.73	0.30%	[5000]	ug/L
Zn 206.200†	72138.3	153.59	0.21%	[5000]	ug/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	3	Wt. Lin	-157.3	110.4	0.00000	0.999723	
Al 308.215	5	Wt. Lin	2.7	2.678	0.00000	0.999886	
As 188.979	4	Wt. Lin	0.7	1.366	0.00000	0.999578	
Ba 233.527	5	Wt. Lin	-18.8	115.5	0.00000	0.999409	
Be 234.861	5	Wt. Lin	-26.2	180.6	0.00000	0.999691	
Ca 315.887	5	Wt. Lin	33.0	10.32	0.00000	0.998922	
Cd 226.502	5	Wt. Lin	-3.8	8.593	0.00000	0.998784	
Co 228.616	5	Wt. Lin	0.8	23.35	0.00000	0.999001	
Cr 267.716	4	Wt. Lin	15.9	29.30	0.00000	0.999263	
Cu 324.752	4	Wt. Lin	57.0	287.4	0.00000	0.999294	
Fe 259.939	5	Wt. Lin	-13.2	13.13	0.00000	0.998593	
K 766.490	5	Wt. Lin	-89.2	4.243	0.00000	0.999043	
Li 460.286	3	Wt. Lin	-24.7	14.03	0.00000	0.998732	
Mg 279.077	5	Wt. Lin	-5.7	9.990	0.00000	0.999574	
Mn 257.610	4	Wt. Lin	235.6	521.5	0.00000	0.998758	
Mo 202.031	4	Wt. Lin	-1.7	3.685	0.00000	0.999396	
Na 589.592	5	Wt. Lin	47.4	11.35	0.00000	0.998201	
Ni 231.604	4	Wt. Lin	-0.9	9.789	0.00000	0.998604	
Pb 220.353	4	Wt. Lin	-1.2	1.495	0.00000	0.999278	
Sb 206.836	4	Wt. Lin	11.3	2.090	0.00000	0.998739	
Se 196.026	4	Wt. Lin	2.3	1.024	0.00000	0.998720	
Sn 189.927	4	Wt. Lin	-2.9	1.622	0.00000	0.999323	
Sr 421.552	5	Wt. Lin	22.8	743.1	0.00000	0.999838	
Ti 334.940	5	Wt. Lin	8.6	459.9	0.00000	0.999727	
Tl 190.801	4	Wt. Lin	0.2	1.472	0.00000	0.999495	
V 292.402	5	Wt. Lin	5.9	27.00	0.00000	0.999700	
Zn 206.200	4	Wt. Lin	4.6	15.49	0.00000	0.998411	

==========

Sequence No.: 7 **Autosampler Location: 6**
Sample ID: ICV **Date Collected: 6/14/2007 10:19:48 AM**
Analyst: **Data Type: Reprocessed on 6/14/2007 11:57:16 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1482082.5	94.5	%	0.18				0.19%
Sc Radial	191685.4	97.4	%	0.31				0.31%
Ag 328.068†	17439.8	162	ug/L	0.3	162	ug/L	0.3	0.16%
QC value within limits for Ag 328.068 Recovery = 101.29%								
Al 308.215†	109287.6	40800	ug/L	84.1	40800	ug/L	84.1	0.21%
QC value within limits for Al 308.215 Recovery = 102.00%								
As 188.979†	563.3	416	ug/L	1.0	416	ug/L	1.0	0.24%
QC value within limits for As 188.979 Recovery = 104.01%								
Ba 233.527†	141113.8	1220	ug/L	1.3	1220	ug/L	1.3	0.11%
QC value within limits for Ba 233.527 Recovery = 101.83%								
Be 234.861†	76199.1	420	ug/L	0.9	420	ug/L	0.9	0.21%
QC value within limits for Be 234.861 Recovery = 105.07%								
Ca 315.887†	418939.4	40600	ug/L	7.2	40600	ug/L	7.2	0.02%
QC value within limits for Ca 315.887 Recovery = 101.47%								
Cd 226.502†	3628.4	413	ug/L	1.3	413	ug/L	1.3	0.32%
QC value within limits for Cd 226.502 Recovery = 103.17%								
Co 228.616†	9528.2	407	ug/L	0.8	407	ug/L	0.8	0.19%
QC value within limits for Co 228.616 Recovery = 101.82%								
Cr 267.716†	12024.3	410	ug/L	0.7	410	ug/L	0.7	0.17%
QC value within limits for Cr 267.716 Recovery = 102.60%								
Cu 324.752†	114316.6	399	ug/L	0.4	399	ug/L	0.4	0.11%
QC value within limits for Cu 324.752 Recovery = 99.78%								
Fe 259.939†	543982.9	41400	ug/L	91.4	41400	ug/L	91.4	0.22%
QC value within limits for Fe 259.939 Recovery = 103.61%								
K 766.490†	174457.4	41100	ug/L	39.8	41100	ug/L	39.8	0.10%
QC value within limits for K 766.490 Recovery = 102.85%								
Li 460.286†	57676.6	3900	ug/L	5.8	3900	ug/L	5.8	0.15%
Mg 279.077†	406588.5	40700	ug/L	270.1	40700	ug/L	270.1	0.66%
QC value within limits for Mg 279.077 Recovery = 101.82%								
Mn 257.610†	215586.1	412	ug/L	1.2	412	ug/L	1.2	0.28%
QC value within limits for Mn 257.610 Recovery = 102.89%								
Mo 202.031†	1512.2	413	ug/L	0.2	413	ug/L	0.2	0.06%
QC value within limits for Mo 202.031 Recovery = 103.24%								
Na 589.592†	448575.4	39500	ug/L	73.4	39500	ug/L	73.4	0.19%
QC value within limits for Na 589.592 Recovery = 98.76%								
Ni 231.604†	3952.8	403	ug/L	2.4	403	ug/L	2.4	0.58%
QC value within limits for Ni 231.604 Recovery = 100.76%								
Pb 220.353†	614.8	415	ug/L	3.5	415	ug/L	3.5	0.85%
QC value within limits for Pb 220.353 Recovery = 103.65%								
Sb 206.836†	897.5	424	ug/L	3.3	424	ug/L	3.3	0.77%
QC value within limits for Sb 206.836 Recovery = 105.89%								
Se 196.026†	422.9	434	ug/L	2.9	434	ug/L	2.9	0.67%
QC value within limits for Se 196.026 Recovery = 108.60%								
Sn 189.927†	692.3	430	ug/L	3.2	430	ug/L	3.2	0.74%
QC value within limits for Sn 189.927 Recovery = 107.51%								
Sr 421.552†	291297.8	391	ug/L	0.6	391	ug/L	0.6	0.16%
QC value within limits for Sr 421.552 Recovery = 97.80%								
Ti 334.940†	187354.5	407	ug/L	0.9	407	ug/L	0.9	0.23%
QC value within limits for Ti 334.940 Recovery = 101.85%								
Tl 190.801†	621.8	409	ug/L	3.1	409	ug/L	3.1	0.76%
QC value within limits for Tl 190.801 Recovery = 102.27%								
V 292.402†	11245.6	425	ug/L	1.8	425	ug/L	1.8	0.42%
QC value within limits for V 292.402 Recovery = 106.25%								
Zn 206.200†	6511.1	421	ug/L	0.8	421	ug/L	0.8	0.18%
QC value within limits for Zn 206.200 Recovery = 105.22%								

All analyte(s) passed QC.

Sequence No.: 8 **Autosampler Location: 1**
Sample ID: ICB **Date Collected: 6/14/2007 10:23:47 AM**
Analyst: **Data Type: Reprocessed on 6/14/2007 11:57:19 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1557732.2	99.3	%	0.34				0.34%
Sc Radial	194585.5	98.8	%	0.03				0.03%
Ag 328.068†	-172.3	-0.136	ug/L	0.0826	-0.136	ug/L	0.0826	60.61%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-1.7	-1.64	ug/L	5.336	-1.64	ug/L	5.336	325.62%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	3.3	1.90	ug/L	1.249	1.90	ug/L	1.249	65.70%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	1.4	0.174	ug/L	0.0236	0.174	ug/L	0.0236	13.54%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-7.2	0.105	ug/L	0.0248	0.105	ug/L	0.0248	23.70%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	14.4	-1.80	ug/L	0.203	-1.80	ug/L	0.203	11.26%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	0.9	0.546	ug/L	0.3000	0.546	ug/L	0.3000	54.95%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-1.1	-0.082	ug/L	0.0348	-0.082	ug/L	0.0348	42.64%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	5.6	-0.352	ug/L	0.4111	-0.352	ug/L	0.4111	116.75%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	33.2	-0.083	ug/L	0.0596	-0.083	ug/L	0.0596	72.15%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	7.2	1.56	ug/L	0.485	1.56	ug/L	0.485	31.10%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	64.8	36.3	ug/L	2.55	36.3	ug/L	2.55	7.04%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	-40.2	-1.11	ug/L	4.181	-1.11	ug/L	4.181	375.75%
Mg 279.077†	0.4	0.614	ug/L	1.3707	0.614	ug/L	1.3707	223.18%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	9.6	-0.433	ug/L	0.0122	-0.433	ug/L	0.0122	2.83%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-2.0	-0.063	ug/L	0.1380	-0.063	ug/L	0.1380	217.60%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	149.1	8.96	ug/L	1.607	8.96	ug/L	1.607	17.94%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	0.9	0.188	ug/L	0.4714	0.188	ug/L	0.4714	251.12%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-1.8	-0.418	ug/L	2.0552	-0.418	ug/L	2.0552	491.96%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	4.9	-3.03	ug/L	1.277	-3.03	ug/L	1.277	42.20%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	4.6	2.26	ug/L	4.070	2.26	ug/L	4.070	180.14%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	0.4	2.04	ug/L	0.381	2.04	ug/L	0.381	18.61%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	13.3	-0.013	ug/L	0.0256	-0.013	ug/L	0.0256	201.19%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	43.5	0.076	ug/L	0.0514	0.076	ug/L	0.0514	67.80%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-0.2	-0.245	ug/L	3.5290	-0.245	ug/L	3.5290	>999.9%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	5.8	-0.004	ug/L	0.1460	-0.004	ug/L	0.1460	>999.9%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-1.5	-0.395	ug/L	0.2330	-0.395	ug/L	0.2330	58.97%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

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Sequence No.: 9 **Autosampler Location: 5**
Sample ID: AFCEE CRI **Date Collected: 6/14/2007 10:28:12 AM**
Analyst: **Data Type: Reprocessed on 6/14/2007 11:57:20 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: AFCEE CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1481683.0	94.4	%	1.02				1.08%
Sc Radial	186892.3	94.9	%	0.59				0.62%
Ag 328.068†	961.8	10.2	ug/L	0.26	10.2	ug/L	0.26	2.57%
QC value within limits for Ag 328.068 Recovery = 101.56%								
Al 308.215†	569.8	212	ug/L	6.5	212	ug/L	6.5	3.05%
QC value within limits for Al 308.215 Recovery = 105.87%								
As 188.979†	42.5	30.6	ug/L	3.41	30.6	ug/L	3.41	11.15%
QC value within limits for As 188.979 Recovery = 101.99%								
Ba 233.527†	1211.8	10.6	ug/L	0.08	10.6	ug/L	0.08	0.78%
QC value within limits for Ba 233.527 Recovery = 106.49%								
Be 234.861†	759.6	4.35	ug/L	0.024	4.35	ug/L	0.024	0.55%
QC value within limits for Be 234.861 Recovery = 86.97%								
Ca 315.887†	10960.1	1060	ug/L	4.9	1060	ug/L	4.9	0.47%
QC value within limits for Ca 315.887 Recovery = 105.87%								
Cd 226.502†	42.1	5.16	ug/L	0.594	5.16	ug/L	0.594	11.51%
QC value within limits for Cd 226.502 Recovery = 103.28%								
Co 228.616†	249.6	10.7	ug/L	0.07	10.7	ug/L	0.07	0.70%
QC value within limits for Co 228.616 Recovery = 106.56%								
Cr 267.716†	326.6	10.6	ug/L	0.36	10.6	ug/L	0.36	3.38%
QC value within limits for Cr 267.716 Recovery = 106.18%								
Cu 324.752†	3311.5	11.3	ug/L	0.28	11.3	ug/L	0.28	2.45%
QC value within limits for Cu 324.752 Recovery = 113.27%								
Fe 259.939†	695.1	54.0	ug/L	0.26	54.0	ug/L	0.26	0.49%
QC value within limits for Fe 259.939 Recovery = 107.93%								
K 766.490†	4698.5	1130	ug/L	19.2	1130	ug/L	19.2	1.71%
QC value within limits for K 766.490 Recovery = 112.84%								
Li 460.286†	232.1	17.9	ug/L	1.59	17.9	ug/L	1.59	8.91%
Mg 279.077†	10855.4	1090	ug/L	12.0	1090	ug/L	12.0	1.10%
QC value within limits for Mg 279.077 Recovery = 108.73%								
Mn 257.610†	5984.7	11.0	ug/L	0.15	11.0	ug/L	0.15	1.39%
QC value within limits for Mn 257.610 Recovery = 109.88%								
Mo 202.031†	57.7	16.1	ug/L	0.27	16.1	ug/L	0.27	1.68%
QC value within limits for Mo 202.031 Recovery = 107.49%								
Na 589.592†	12050.1	1060	ug/L	5.4	1060	ug/L	5.4	0.51%
QC value within limits for Na 589.592 Recovery = 105.71%								
Ni 231.604†	208.2	21.4	ug/L	0.63	21.4	ug/L	0.63	2.94%
QC value within limits for Ni 231.604 Recovery = 106.79%								
Pb 220.353†	43.2	29.9	ug/L	3.52	29.9	ug/L	3.52	11.78%
QC value within limits for Pb 220.353 Recovery = 119.55%								
Sb 206.836†	126.0	54.9	ug/L	1.86	54.9	ug/L	1.86	3.38%
QC value within limits for Sb 206.836 Recovery = 109.86%								
Se 196.026†	35.2	32.2	ug/L	3.52	32.2	ug/L	3.52	10.93%
QC value within limits for Se 196.026 Recovery = 107.35%								
Sn 189.927†	15.7	11.5	ug/L	0.55	11.5	ug/L	0.55	4.82%
QC value within limits for Sn 189.927 Recovery = 114.91%								
Sr 421.552†	3863.8	5.15	ug/L	0.046	5.15	ug/L	0.046	0.90%
QC value within limits for Sr 421.552 Recovery = 102.97%								
Ti 334.940†	2424.6	5.25	ug/L	0.073	5.25	ug/L	0.073	1.39%
QC value within limits for Ti 334.940 Recovery = 105.07%								
Tl 190.801†	94.1	63.5	ug/L	3.99	63.5	ug/L	3.99	6.28%
QC value within limits for Tl 190.801 Recovery = 105.77%								
V 292.402†	283.4	10.4	ug/L	0.14	10.4	ug/L	0.14	1.30%
QC value within limits for V 292.402 Recovery = 104.41%								
Zn 206.200†	357.0	22.8	ug/L	0.23	22.8	ug/L	0.23	1.03%
QC value within limits for Zn 206.200 Recovery = 113.88%								

All analyte(s) passed QC.

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Sequence No.: 10 **Autosampler Location: 7**
Sample ID: ICSA **Date Collected: 6/14/2007 10:32:41 AM**
Analyst: **Data Type: Reprocessed on 6/14/2007 11:57:22 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1470718.2	93.7	%	0.48				0.51%
Sc Radial	189366.6	96.2	%	0.42				0.44%
Ag 328.068†	-1423.9	0.160	ug/L	0.4039	0.160	ug/L	0.4039	251.93%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	660037.9	246000	ug/L	1715.7	246000	ug/L	1715.7	0.70%
QC value within limits for Al 308.215 Recovery = 98.57%								
As 188.979†	-8.1	-0.007	ug/L	3.9097	-0.007	ug/L	3.9097	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-363.8	-1.53	ug/L	0.087	-1.53	ug/L	0.087	5.68%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	1651.6	0.081	ug/L	0.1901	0.081	ug/L	0.1901	233.81%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	2409456.2	233000	ug/L	1497.3	233000	ug/L	1497.3	0.64%
QC value within limits for Ca 315.887 Recovery = 93.38%								
Cd 226.502†	478.6	0.117	ug/L	1.3614	0.117	ug/L	1.3614	>999.9%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	132.2	-0.803	ug/L	0.1917	-0.803	ug/L	0.1917	23.88%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-43.4	-0.004	ug/L	0.4603	-0.004	ug/L	0.4603	>999.9%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-2609.1	0.437	ug/L	0.0354	0.437	ug/L	0.0354	8.10%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	2784214.7	212000	ug/L	1229.2	212000	ug/L	1229.2	0.58%
QC value within limits for Fe 259.939 Recovery = 94.27%								
K 766.490†	-16.1	17.2	ug/L	14.14	17.2	ug/L	14.14	82.12%
Li 460.286†	17080.4	172	ug/L	8.4	172	ug/L	8.4	4.87%
Mg 279.077†	2468812.6	247000	ug/L	259.4	247000	ug/L	259.4	0.10%
QC value within limits for Mg 279.077 Recovery = 98.91%								
Mn 257.610†	4259.0	-0.803	ug/L	0.0922	-0.803	ug/L	0.0922	11.48%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-48.5	-1.87	ug/L	1.521	-1.87	ug/L	1.521	81.37%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	400.3	31.1	ug/L	3.49	31.1	ug/L	3.49	11.23%
Ni 231.604†	39.4	-0.255	ug/L	0.4751	-0.255	ug/L	0.4751	186.15%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-4.6	1.28	ug/L	4.557	1.28	ug/L	4.557	355.56%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	37.6	3.35	ug/L	0.789	3.35	ug/L	0.789	23.57%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-127.9	-3.46	ug/L	1.255	-3.46	ug/L	1.255	36.28%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-9.2	1.59	ug/L	2.591	1.59	ug/L	2.591	162.78%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	2158.9	-1.70	ug/L	0.025	-1.70	ug/L	0.025	1.46%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	154.6	0.317	ug/L	0.0779	0.317	ug/L	0.0779	24.52%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	9.1	-1.68	ug/L	7.284	-1.68	ug/L	7.284	434.71%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-547.0	2.94	ug/L	0.595	2.94	ug/L	0.595	20.24%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	84.3	0.007	ug/L	0.6132	0.007	ug/L	0.6132	>999.9%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 11 **Autosampler Location: 8**
Sample ID: ICSAB **Date Collected: 6/14/2007 10:47:53 AM**
Analyst: **Data Type: Reprocessed on 6/14/2007 11:57:23 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1451358.0	92.5	%	0.20				0.21%
Sc Radial	189709.2	96.4	%	0.22				0.23%
Ag 328.068†	21443.0	208	ug/L	1.7	208	ug/L	1.7	0.80%
QC value within limits for Ag 328.068 Recovery = 104.01%								
Al 308.215†	674389.9	252000	ug/L	771.1	252000	ug/L	771.1	0.31%
QC value within limits for Al 308.215 Recovery = 100.71%								
As 188.979†	117.1	95.1	ug/L	1.85	95.1	ug/L	1.85	1.95%
QC value within limits for As 188.979 Recovery = 95.13%								
Ba 233.527†	57357.1	498	ug/L	2.8	498	ug/L	2.8	0.56%
QC value within limits for Ba 233.527 Recovery = 99.63%								
Be 234.861†	97542.6	531	ug/L	0.8	531	ug/L	0.8	0.15%
QC value within limits for Be 234.861 Recovery = 106.17%								
Ca 315.887†	2466640.1	239000	ug/L	766.3	239000	ug/L	766.3	0.32%
QC value within limits for Ca 315.887 Recovery = 95.59%								
Cd 226.502†	8718.2	958	ug/L	4.3	958	ug/L	4.3	0.45%
QC value within limits for Cd 226.502 Recovery = 95.80%								
Co 228.616†	10894.7	460	ug/L	1.0	460	ug/L	1.0	0.21%
QC value within limits for Co 228.616 Recovery = 91.91%								
Cr 267.716†	14274.2	489	ug/L	1.3	489	ug/L	1.3	0.26%
QC value within limits for Cr 267.716 Recovery = 97.79%								
Cu 324.752†	148366.1	526	ug/L	5.2	526	ug/L	5.2	0.99%
QC value within limits for Cu 324.752 Recovery = 105.12%								
Fe 259.939†	2833227.2	216000	ug/L	1296.1	216000	ug/L	1296.1	0.60%
QC value within limits for Fe 259.939 Recovery = 95.93%								
K 766.490†	-119.0	-7.04	ug/L	9.477	-7.04	ug/L	9.477	134.69%
Li 460.286†	32775.5	1270	ug/L	14.2	1270	ug/L	14.2	1.12%
Mg 279.077†	2487117.1	249000	ug/L	750.7	249000	ug/L	750.7	0.30%
QC value within limits for Mg 279.077 Recovery = 99.64%								
Mn 257.610†	260509.3	491	ug/L	0.7	491	ug/L	0.7	0.15%
QC value within limits for Mn 257.610 Recovery = 98.11%								
Mo 202.031†	1787.1	496	ug/L	2.0	496	ug/L	2.0	0.41%
QC value within limits for Mo 202.031 Recovery = 99.30%								
Na 589.592†	339.6	25.7	ug/L	3.88	25.7	ug/L	3.88	15.09%
Ni 231.604†	9204.9	936	ug/L	2.7	936	ug/L	2.7	0.28%
QC value within limits for Ni 231.604 Recovery = 93.60%								
Pb 220.353†	66.1	51.4	ug/L	6.71	51.4	ug/L	6.71	13.04%
QC value within limits for Pb 220.353 Recovery = 102.88%								
Sb 206.836†	1336.4	626	ug/L	0.7	626	ug/L	0.7	0.11%
QC value within limits for Sb 206.836 Recovery = 104.35%								
Se 196.026†	-79.1	45.7	ug/L	13.30	45.7	ug/L	13.30	29.10%
QC value within limits for Se 196.026 Recovery = 91.39%								
Sn 189.927†	861.8	539	ug/L	5.2	539	ug/L	5.2	0.97%
QC value within limits for Sn 189.927 Recovery = 107.87%								
Sr 421.552†	373138.6	497	ug/L	2.1	497	ug/L	2.1	0.42%
QC value within limits for Sr 421.552 Recovery = 99.49%								
Ti 334.940†	228713.8	497	ug/L	5.1	497	ug/L	5.1	1.02%
QC value within limits for Ti 334.940 Recovery = 99.47%								
Tl 190.801†	163.6	89.3	ug/L	5.47	89.3	ug/L	5.47	6.12%
QC value within limits for Tl 190.801 Recovery = 89.25%								
V 292.402†	13053.7	512	ug/L	1.5	512	ug/L	1.5	0.29%
QC value within limits for V 292.402 Recovery = 102.41%								
Zn 206.200†	14927.2	960	ug/L	2.9	960	ug/L	2.9	0.31%
QC value within limits for Zn 206.200 Recovery = 96.02%								

All analyte(s) passed QC.

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Sequence No.: 12 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 6/14/2007 10:52:12 AM**
Analyst: **Data Type: Reprocessed on 6/14/2007 11:57:24 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1550053.4	98.8	%	0.89				0.90%
Sc Radial	204469.0	104	%	0.2				0.18%
Ag 328.068†	53497.1	489	ug/L	4.2	489	ug/L	4.2	0.87%
QC value within limits for Ag 328.068 Recovery = 97.73%								
Al 308.215†	62727.9	23400	ug/L	121.0	23400	ug/L	121.0	0.52%
QC value within limits for Al 308.215 Recovery = 93.67%								
As 188.979†	663.8	491	ug/L	5.3	491	ug/L	5.3	1.09%
QC value within limits for As 188.979 Recovery = 98.10%								
Ba 233.527†	55874.2	484	ug/L	3.6	484	ug/L	3.6	0.74%
QC value within limits for Ba 233.527 Recovery = 96.83%								
Be 234.861†	87580.1	483	ug/L	6.9	483	ug/L	6.9	1.43%
QC value within limits for Be 234.861 Recovery = 96.69%								
Ca 315.887†	244669.3	23700	ug/L	75.9	23700	ug/L	75.9	0.32%
QC value within limits for Ca 315.887 Recovery = 94.81%								
Cd 226.502†	4174.7	479	ug/L	4.0	479	ug/L	4.0	0.83%
QC value within limits for Cd 226.502 Recovery = 95.89%								
Co 228.616†	11208.3	479	ug/L	1.9	479	ug/L	1.9	0.39%
QC value within limits for Co 228.616 Recovery = 95.72%								
Cr 267.716†	14269.7	487	ug/L	3.8	487	ug/L	3.8	0.78%
QC value within limits for Cr 267.716 Recovery = 97.39%								
Cu 324.752†	134822.7	470	ug/L	3.7	470	ug/L	3.7	0.78%
QC value within limits for Cu 324.752 Recovery = 94.02%								
Fe 259.939†	495994.2	37800	ug/L	290.7	37800	ug/L	290.7	0.77%
QC value within limits for Fe 259.939 Recovery = 94.47%								
K 766.490†	100592.4	23700	ug/L	114.5	23700	ug/L	114.5	0.48%
QC value within limits for K 766.490 Recovery = 94.92%								
Li 460.286†	69663.1	4780	ug/L	39.3	4780	ug/L	39.3	0.82%
Mg 279.077†	237160.4	23800	ug/L	90.8	23800	ug/L	90.8	0.38%
QC value within limits for Mg 279.077 Recovery = 95.06%								
Mn 257.610†	255204.9	488	ug/L	5.4	488	ug/L	5.4	1.10%
QC value within limits for Mn 257.610 Recovery = 97.63%								
Mo 202.031†	1805.9	493	ug/L	5.2	493	ug/L	5.2	1.05%
QC value within limits for Mo 202.031 Recovery = 98.50%								
Na 589.592†	257435.2	22700	ug/L	90.6	22700	ug/L	90.6	0.40%
QC value within limits for Na 589.592 Recovery = 90.67%								
Ni 231.604†	4758.6	485	ug/L	5.7	485	ug/L	5.7	1.17%
QC value within limits for Ni 231.604 Recovery = 97.09%								
Pb 220.353†	731.0	491	ug/L	8.0	491	ug/L	8.0	1.63%
QC value within limits for Pb 220.353 Recovery = 98.13%								
Sb 206.836†	1040.5	492	ug/L	4.0	492	ug/L	4.0	0.82%
QC value within limits for Sb 206.836 Recovery = 98.50%								
Se 196.026†	510.5	518	ug/L	3.9	518	ug/L	3.9	0.75%
QC value within limits for Se 196.026 Recovery = 103.54%								
Sn 189.927†	625.6	388	ug/L	3.7	388	ug/L	3.7	0.96%
QC value within limits for Sn 189.927 Recovery = 97.10%								
Sr 421.552†	282863.7	380	ug/L	1.3	380	ug/L	1.3	0.33%
QC value within limits for Sr 421.552 Recovery = 95.04%								
Ti 334.940†	178860.6	389	ug/L	4.3	389	ug/L	4.3	1.11%
QC value within limits for Ti 334.940 Recovery = 97.23%								
Tl 190.801†	735.7	484	ug/L	7.7	484	ug/L	7.7	1.58%
QC value within limits for Tl 190.801 Recovery = 96.89%								
V 292.402†	13159.7	496	ug/L	4.6	496	ug/L	4.6	0.92%
QC value within limits for V 292.402 Recovery = 99.27%								
Zn 206.200†	7573.7	490	ug/L	4.3	490	ug/L	4.3	0.88%
QC value within limits for Zn 206.200 Recovery = 98.00%								

All analyte(s) passed QC.

==========

Sequence No.: 13 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 6/14/2007 10:56:12 AM**
Analyst: **Data Type: Reprocessed on 6/14/2007 11:57:25 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1582394.9	101	%	0.5				0.46%
Sc Radial	201880.7	103	%	0.2				0.18%
Ag 328.068†	-242.1	-0.769	ug/L	0.2432	-0.769	ug/L	0.2432	31.60%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-12.3	-5.57	ug/L	0.571	-5.57	ug/L	0.571	10.25%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-2.1	-2.07	ug/L	1.674	-2.07	ug/L	1.674	80.73%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	0.5	0.167	ug/L	0.0552	0.167	ug/L	0.0552	33.08%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-7.9	0.101	ug/L	0.0205	0.101	ug/L	0.0205	20.31%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	10.6	-2.17	ug/L	0.666	-2.17	ug/L	0.666	30.72%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	-1.6	0.247	ug/L	0.4885	0.247	ug/L	0.4885	197.85%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	1.6	0.034	ug/L	0.1115	0.034	ug/L	0.1115	326.50%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	3.1	-0.437	ug/L	0.5251	-0.437	ug/L	0.5251	120.24%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	47.6	-0.033	ug/L	0.0695	-0.033	ug/L	0.0695	213.00%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	14.3	2.10	ug/L	1.015	2.10	ug/L	1.015	48.44%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-57.9	7.37	ug/L	7.086	7.37	ug/L	7.086	96.17%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	-0.9	1.69	ug/L	4.205	1.69	ug/L	4.205	249.48%
Mg 279.077†	5.9	1.17	ug/L	0.767	1.17	ug/L	0.767	65.78%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-3.8	-0.459	ug/L	0.0224	-0.459	ug/L	0.0224	4.89%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-1.0	0.194	ug/L	1.4109	0.194	ug/L	1.4109	725.66%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	45.6	-0.159	ug/L	5.2497	-0.159	ug/L	5.2497	>999.9%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	6.7	0.772	ug/L	0.5932	0.772	ug/L	0.5932	76.87%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-1.0	0.126	ug/L	0.3558	0.126	ug/L	0.3558	281.67%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	6.6	-2.21	ug/L	1.738	-2.21	ug/L	1.738	78.48%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	7.0	4.65	ug/L	3.811	4.65	ug/L	3.811	82.04%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-0.3	1.59	ug/L	3.301	1.59	ug/L	3.301	207.82%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	13.6	-0.012	ug/L	0.0245	-0.012	ug/L	0.0245	199.36%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	29.6	0.046	ug/L	0.0360	0.046	ug/L	0.0360	78.71%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	2.1	1.33	ug/L	3.413	1.33	ug/L	3.413	257.16%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-3.3	-0.341	ug/L	0.2703	-0.341	ug/L	0.2703	79.27%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-2.1	-0.434	ug/L	0.3973	-0.434	ug/L	0.3973	91.59%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

==========

Analysis Begun

Start Time: 6/14/2007 11:59:13 AM **Plasma On Time: 6/14/2007 8:20:09 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\administrator\Sample Information\061407A.sif
Batch ID: 061407A
Results Data Set: 061407A-R1
Results Library: D:\pe\administrator\Results\Results.mdb
User canceled analysis.

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Analysis Begun

Start Time: 6/14/2007 11:59:22 AM **Plasma On Time: 6/14/2007 8:20:09 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\administrator\Sample Information\061407A.sif
Batch ID: 061407A
Results Data Set: 061407A-R1
Results Library: D:\pe\administrator\Results\Results.mdb

==========

Sequence No.: 19 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 6/14/2007 11:59:22 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1598984.9	102	%	0.2				0.16%
Sc Radial	205960.3	105	%	0.5				0.45%
Ag 328.068†	52276.7	478	ug/L	2.3	478	ug/L	2.3	0.48%
QC value within limits for Ag 328.068 Recovery = 95.51%								
Al 308.215†	62516.6	23300	ug/L	35.3	23300	ug/L	35.3	0.15%
QC value within limits for Al 308.215 Recovery = 93.36%								
As 188.979†	646.6	478	ug/L	3.3	478	ug/L	3.3	0.70%
QC value within limits for As 188.979 Recovery = 95.57%								
Ba 233.527†	55011.5	477	ug/L	2.0	477	ug/L	2.0	0.43%
QC value within limits for Ba 233.527 Recovery = 95.34%								
Be 234.861†	84997.8	469	ug/L	1.9	469	ug/L	1.9	0.41%
QC value within limits for Be 234.861 Recovery = 93.83%								
Ca 315.887†	245482.6	23800	ug/L	30.2	23800	ug/L	30.2	0.13%
QC value within limits for Ca 315.887 Recovery = 95.12%								
Cd 226.502†	4118.3	473	ug/L	0.5	473	ug/L	0.5	0.10%
QC value within limits for Cd 226.502 Recovery = 94.57%								
Co 228.616†	11014.1	470	ug/L	5.4	470	ug/L	5.4	1.16%
QC value within limits for Co 228.616 Recovery = 94.06%								
Cr 267.716†	13992.4	477	ug/L	3.1	477	ug/L	3.1	0.64%
QC value within limits for Cr 267.716 Recovery = 95.50%								
Cu 324.752†	130428.7	455	ug/L	2.6	455	ug/L	2.6	0.57%
QC value within limits for Cu 324.752 Recovery = 90.97%								
Fe 259.939†	496305.9	37800	ug/L	141.0	37800	ug/L	141.0	0.37%
QC value within limits for Fe 259.939 Recovery = 94.53%								
K 766.490†	100852.5	23800	ug/L	17.9	23800	ug/L	17.9	0.08%
QC value within limits for K 766.490 Recovery = 95.16%								
Li 460.286†	67713.0	4640	ug/L	5.9	4640	ug/L	5.9	0.13%
Mg 279.077†	238060.7	23900	ug/L	95.6	23900	ug/L	95.6	0.40%
QC value within limits for Mg 279.077 Recovery = 95.42%								
Mn 257.610†	249724.4	478	ug/L	0.4	478	ug/L	0.4	0.08%
QC value within limits for Mn 257.610 Recovery = 95.52%								
Mo 202.031†	1751.3	478	ug/L	2.5	478	ug/L	2.5	0.52%
QC value within limits for Mo 202.031 Recovery = 95.54%								
Na 589.592†	255636.6	22500	ug/L	9.4	22500	ug/L	9.4	0.04%
QC value within limits for Na 589.592 Recovery = 90.04%								

Ni 231.604†	4663.7	476 ug/L	0.3	476 ug/L	0.3	0.06%
QC value within limits for Ni 231.604 Recovery = 95.15%						
Pb 220.353†	712.3	478 ug/L	2.8	478 ug/L	2.8	0.58%
QC value within limits for Pb 220.353 Recovery = 95.62%						
Sb 206.836†	1000.4	473 ug/L	1.2	473 ug/L	1.2	0.25%
QC value within limits for Sb 206.836 Recovery = 94.65%						
Se 196.026†	489.4	497 ug/L	6.6	497 ug/L	6.6	1.33%
QC value within limits for Se 196.026 Recovery = 99.43%						
Sn 189.927†	617.4	383 ug/L	3.8	383 ug/L	3.8	0.98%
QC value within limits for Sn 189.927 Recovery = 95.83%						
Sr 421.552†	280318.6	377 ug/L	0.6	377 ug/L	0.6	0.16%
QC value within limits for Sr 421.552 Recovery = 94.19%						
Ti 334.940†	174523.7	379 ug/L	0.7	379 ug/L	0.7	0.17%
QC value within limits for Ti 334.940 Recovery = 94.87%						
Tl 190.801†	716.0	471 ug/L	4.4	471 ug/L	4.4	0.93%
QC value within limits for Tl 190.801 Recovery = 94.29%						
V 292.402†	12850.4	485 ug/L	4.5	485 ug/L	4.5	0.92%
QC value within limits for V 292.402 Recovery = 96.95%						
Zn 206.200†	7546.0	488 ug/L	3.8	488 ug/L	3.8	0.78%
QC value within limits for Zn 206.200 Recovery = 97.63%						

All analyte(s) passed QC.

User canceled analysis.

==========

Analysis Begun

Start Time: 6/14/2007 12:02:10 PM **Plasma On Time: 6/14/2007 8:20:09 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\administrator\Sample Information\061407A.sif
Batch ID: 061407A
Results Data Set: 061407A-R1
Results Library: D:\pe\administrator\Results\Results.mdb
User canceled analysis.

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Analysis Begun

Start Time: 6/14/2007 12:04:41 PM **Plasma On Time: 6/14/2007 8:20:09 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\administrator\Sample Information\061407A.sif
Batch ID: 061407A
Results Data Set: 061407A-R1
Results Library: D:\pe\administrator\Results\Results.mdb

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Sequence No.: 20 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 6/14/2007 12:04:41 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1614334.6	103	%	0.2				0.16%
Sc Radial	203484.7	103	%	1.0				0.98%
Ag 328.068†	-287.2	-1.18	ug/L	0.020	-1.18	ug/L	0.020	1.68%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-21.1	-8.87	ug/L	3.535	-8.87	ug/L	3.535	39.87%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-0.8	-1.15	ug/L	2.450	-1.15	ug/L	2.450	213.61%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-9.3	0.082	ug/L	0.0303	0.082	ug/L	0.0303	37.04%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-6.9	0.107	ug/L	0.0269	0.107	ug/L	0.0269	25.21%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	49.7	1.61	ug/L	2.353	1.61	ug/L	2.353	145.71%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	-0.6	0.364	ug/L	0.2102	0.364	ug/L	0.2102	57.82%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	0.8	0.000	ug/L	0.1389	0.000	ug/L	0.1389	>999.9%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-2.9	-0.641	ug/L	0.2162	-0.641	ug/L	0.2162	33.76%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-54.6	-0.388	ug/L	0.0057	-0.388	ug/L	0.0057	1.47%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	7.0	1.54	ug/L	0.227	1.54	ug/L	0.227	14.76%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-67.3	5.16	ug/L	6.483	5.16	ug/L	6.483	125.63%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	3.5	2.00	ug/L	2.767	2.00	ug/L	2.767	138.55%
Mg 279.077†	11.7	1.75	ug/L	1.347	1.75	ug/L	1.347	77.05%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-22.0	-0.494	ug/L	0.0170	-0.494	ug/L	0.0170	3.43%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	0.6	0.621	ug/L	1.2160	0.621	ug/L	1.2160	195.69%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-6.6	-4.76	ug/L	3.436	-4.76	ug/L	3.436	72.27%
QC value within limits for Na 589.592 Recovery = Not calculated								

```
Ni 231.604†                6.2       0.722 ug/L        0.6704       0.722 ug/L        0.6704  92.81%
   QC value within limits for Ni 231.604  Recovery = Not calculated
Pb 220.353†               -9.2       -5.38 ug/L         1.286       -5.38 ug/L         1.286  23.89%
   QC value less than the lower limit for Pb 220.353  Recovery = Not calculated
Sb 206.836†                8.3       -1.43 ug/L         3.978       -1.43 ug/L         3.978 278.78%
   QC value within limits for Sb 206.836  Recovery = Not calculated
Se 196.026†                5.9        3.53 ug/L         2.641        3.53 ug/L         2.641  74.85%
   QC value within limits for Se 196.026  Recovery = Not calculated
Sn 189.927†               -2.1       0.511 ug/L        1.3932       0.511 ug/L        1.3932 272.69%
   QC value within limits for Sn 189.927  Recovery = Not calculated
Sr 421.552†               -4.8      -0.037 ug/L        0.0464      -0.037 ug/L        0.0464 124.68%
   QC value within limits for Sr 421.552  Recovery = Not calculated
Ti 334.940†               37.4       0.063 ug/L        0.0275       0.063 ug/L        0.0275  43.94%
   QC value within limits for Ti 334.940  Recovery = Not calculated
Tl 190.801†                1.7        1.04 ug/L         3.447        1.04 ug/L         3.447 331.16%
   QC value within limits for Tl 190.801  Recovery = Not calculated
V 292.402†                 1.9      -0.147 ug/L        0.2635      -0.147 ug/L        0.2635 179.47%
   QC value within limits for V 292.402  Recovery = Not calculated
Zn 206.200†               -2.0      -0.431 ug/L        0.0519      -0.431 ug/L        0.0519  12.04%
   QC value within limits for Zn 206.200  Recovery = Not calculated
QC Failed.  Retry.
```

==========

Sequence No.: 21 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 6/14/2007 12:07:40 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1615481.6	103	%	0.2				0.24%
Sc Radial	203812.9	104	%	0.3				0.31%
Ag 328.068†	-261.7	-0.946	ug/L	0.2134	-0.946	ug/L	0.2134	22.55%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-24.2	-10.0	ug/L	2.24	-10.0	ug/L	2.24	22.31%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-1.1	-1.37	ug/L	0.374	-1.37	ug/L	0.374	27.30%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-14.5	0.037	ug/L	0.0436	0.037	ug/L	0.0436	118.28%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-4.6	0.119	ug/L	0.0128	0.119	ug/L	0.0128	10.73%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	57.7	2.39	ug/L	1.219	2.39	ug/L	1.219	50.99%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	-4.6	-0.103	ug/L	0.3677	-0.103	ug/L	0.3677	358.09%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	6.3	0.235	ug/L	0.2307	0.235	ug/L	0.2307	98.11%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	1.6	-0.486	ug/L	0.0507	-0.486	ug/L	0.0507	10.41%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-55.0	-0.390	ug/L	0.3551	-0.390	ug/L	0.3551	91.02%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	3.8	1.30	ug/L	0.287	1.30	ug/L	0.287	22.08%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-56.6	7.68	ug/L	7.297	7.68	ug/L	7.297	95.01%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	-62.0	-2.67	ug/L	6.864	-2.67	ug/L	6.864	257.44%
Mg 279.077†	-3.0	0.272	ug/L	1.0481	0.272	ug/L	1.0481	385.49%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-11.4	-0.474	ug/L	0.0133	-0.474	ug/L	0.0133	2.81%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	1.7	0.945	ug/L	0.4205	0.945	ug/L	0.4205	44.52%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-13.4	-5.36	ug/L	1.056	-5.36	ug/L	1.056	19.71%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	7.5	0.858	ug/L	0.5260	0.858	ug/L	0.5260	61.33%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-4.1	-1.94	ug/L	2.145	-1.94	ug/L	2.145	110.83%
QC value within limits for Pb 220.353 Recovery = Not calculated								

```
Sb 206.836†                9.6      -0.804 ug/L        1.7246      -0.804 ug/L        1.7246 214.52%
   QC value within limits for Sb 206.836  Recovery = Not calculated
Se 196.026†                2.1      -0.158 ug/L        4.2972      -0.158 ug/L        4.2972 >999.9%
   QC value within limits for Se 196.026  Recovery = Not calculated
Sn 189.927†               -2.5       0.214 ug/L        1.4711       0.214 ug/L        1.4711 687.08%
   QC value within limits for Sn 189.927  Recovery = Not calculated
Sr 421.552†              -20.1      -0.058 ug/L        0.0084      -0.058 ug/L        0.0084  14.56%
   QC value within limits for Sr 421.552  Recovery = Not calculated
Ti 334.940†               47.3       0.084 ug/L        0.0844       0.084 ug/L        0.0844 100.39%
   QC value within limits for Ti 334.940  Recovery = Not calculated
Tl 190.801†               -2.1       -1.52 ug/L         3.388       -1.52 ug/L         3.388 222.29%
   QC value within limits for Tl 190.801  Recovery = Not calculated
V 292.402†                 2.4      -0.123 ug/L        0.2623      -0.123 ug/L        0.2623 212.57%
   QC value within limits for V 292.402  Recovery = Not calculated
Zn 206.200†               -4.9      -0.614 ug/L        0.2622      -0.614 ug/L        0.2622  42.70%
   QC value within limits for Zn 206.200  Recovery = Not calculated
All analyte(s) passed QC.
```

Sequence No.: 22
Sample ID: 250681423
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 6/14/2007 12:11:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250681423

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1628980.9	104	%	0.2				0.19%
Sc Radial	204461.6	104	%	0.5				0.53%
Ag 328.068†	-282.3	-1.13	ug/L	0.304	-1.13	ug/L	0.304	26.83%
Al 308.215†	-14.2	-6.31	ug/L	6.124	-6.31	ug/L	6.124	97.09%
As 188.979†	-0.0	-0.563	ug/L	1.5139	-0.563	ug/L	1.5139	268.83%
Ba 233.527†	-20.2	-0.013	ug/L	0.0864	-0.013	ug/L	0.0864	688.72%
Be 234.861†	-17.9	0.045	ug/L	0.0200	0.045	ug/L	0.0200	44.23%
Ca 315.887†	1700.6	162	ug/L	2.4	162	ug/L	2.4	1.51%
Cd 226.502†	-3.8	-0.035	ug/L	0.2938	-0.035	ug/L	0.2938	842.14%
Co 228.616†	5.4	0.196	ug/L	0.3128	0.196	ug/L	0.3128	160.00%
Cr 267.716†	14.3	-0.052	ug/L	0.1876	-0.052	ug/L	0.1876	358.93%
Cu 324.752†	3501.2	12.0	ug/L	0.08	12.0	ug/L	0.08	0.68%
Fe 259.939†	257.0	20.6	ug/L	0.47	20.6	ug/L	0.47	2.30%
K 766.490†	-21.0	16.1	ug/L	11.22	16.1	ug/L	11.22	69.78%
Li 460.286†	-45.6	-1.60	ug/L	3.275	-1.60	ug/L	3.275	204.43%
Mg 279.077†	42.7	4.86	ug/L	1.587	4.86	ug/L	1.587	32.65%
Mn 257.610†	167.2	-0.131	ug/L	0.0190	-0.131	ug/L	0.0190	14.48%
Mo 202.031†	2.3	1.11	ug/L	0.517	1.11	ug/L	0.517	46.72%
Na 589.592†	167.1	10.5	ug/L	1.88	10.5	ug/L	1.88	17.85%
Ni 231.604†	11.4	1.26	ug/L	0.189	1.26	ug/L	0.189	14.99%
Pb 220.353†	-3.1	-1.24	ug/L	2.551	-1.24	ug/L	2.551	206.55%
Sb 206.836†	2.2	-4.32	ug/L	0.471	-4.32	ug/L	0.471	10.89%
Se 196.026†	0.6	-1.58	ug/L	0.812	-1.58	ug/L	0.812	51.44%
Sn 189.927†	3.9	4.18	ug/L	2.211	4.18	ug/L	2.211	52.94%
Sr 421.552†	243.2	0.293	ug/L	0.0146	0.293	ug/L	0.0146	4.96%
Ti 334.940†	214.3	0.447	ug/L	0.0136	0.447	ug/L	0.0136	3.04%
Tl 190.801†	-2.1	-1.55	ug/L	1.863	-1.55	ug/L	1.863	120.42%
V 292.402†	-3.8	-0.348	ug/L	0.0663	-0.348	ug/L	0.0663	19.03%
Zn 206.200†	13.8	0.595	ug/L	0.6213	0.595	ug/L	0.6213	104.41%

Sequence No.: 23
Sample ID: 242812
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 38
Date Collected: 6/14/2007 12:16:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 242812

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1627486.9	104	%	0.4				0.34%
Sc Radial	206910.9	105	%	0.2				0.20%
Ag 328.068†	-288.2	-1.19	ug/L	0.078	-1.19	ug/L	0.078	6.60%
Al 308.215†	-1.1	-1.41	ug/L	2.034	-1.41	ug/L	2.034	144.69%
As 188.979†	-0.3	-0.751	ug/L	1.5743	-0.751	ug/L	1.5743	209.70%
Ba 233.527†	-24.2	-0.047	ug/L	0.0748	-0.047	ug/L	0.0748	157.88%
Be 234.861†	-28.4	-0.012	ug/L	0.0403	-0.012	ug/L	0.0403	332.10%
Ca 315.887†	411.6	36.7	ug/L	0.81	36.7	ug/L	0.81	2.21%
Cd 226.502†	-1.4	0.269	ug/L	0.0903	0.269	ug/L	0.0903	33.55%
Co 228.616†	1.6	0.033	ug/L	0.2233	0.033	ug/L	0.2233	667.40%
Cr 267.716†	4.2	-0.399	ug/L	0.0305	-0.399	ug/L	0.0305	7.63%
Cu 324.752†	-90.2	-0.512	ug/L	0.0789	-0.512	ug/L	0.0789	15.42%
Fe 259.939†	11.6	1.89	ug/L	0.403	1.89	ug/L	0.403	21.26%
K 766.490†	-105.1	-3.76	ug/L	3.815	-3.76	ug/L	3.815	101.42%
Li 460.286†	-48.6	-1.71	ug/L	2.467	-1.71	ug/L	2.467	143.96%
Mg 279.077†	7.4	1.32	ug/L	0.400	1.32	ug/L	0.400	30.42%
Mn 257.610†	-9.1	-0.469	ug/L	0.0179	-0.469	ug/L	0.0179	3.82%
Mo 202.031†	0.7	0.660	ug/L	0.8034	0.660	ug/L	0.8034	121.72%
Na 589.592†	-49.3	-8.52	ug/L	1.584	-8.52	ug/L	1.584	18.60%
Ni 231.604†	3.3	0.432	ug/L	0.5862	0.432	ug/L	0.5862	135.66%
Pb 220.353†	-6.4	-3.44	ug/L	2.027	-3.44	ug/L	2.027	58.92%
Sb 206.836†	11.0	-0.132	ug/L	0.5039	-0.132	ug/L	0.5039	380.89%
Se 196.026†	-1.2	-3.40	ug/L	5.843	-3.40	ug/L	5.843	171.65%
Sn 189.927†	-3.1	-0.137	ug/L	0.7727	-0.137	ug/L	0.7727	563.80%
Sr 421.552†	307.5	0.382	ug/L	0.0193	0.382	ug/L	0.0193	5.05%
Ti 334.940†	110.1	0.221	ug/L	0.0213	0.221	ug/L	0.0213	9.64%
Tl 190.801†	-2.1	-1.52	ug/L	4.037	-1.52	ug/L	4.037	265.03%
V 292.402†	4.2	-0.061	ug/L	0.1190	-0.061	ug/L	0.1190	196.19%
Zn 206.200†	10.9	0.404	ug/L	0.0623	0.404	ug/L	0.0623	15.43%

Sequence No.: 24
Sample ID: 242813
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 39
Date Collected: 6/14/2007 12:20:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 242813

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1595286.8	102	%	0.4				0.41%
Sc Radial	206833.7	105	%	0.4				0.41%
Ag 328.068†	21060.9	195	ug/L	1.4	195	ug/L	1.4	0.72%
Al 308.215†	129323.1	48300	ug/L	200.4	48300	ug/L	200.4	0.42%
As 188.979†	654.0	483	ug/L	6.0	483	ug/L	6.0	1.25%
Ba 233.527†	172130.0	1490	ug/L	6.5	1490	ug/L	6.5	0.43%
Be 234.861†	89704.5	495	ug/L	3.5	495	ug/L	3.5	0.71%
Ca 315.887†	499443.1	48400	ug/L	237.7	48400	ug/L	237.7	0.49%
Cd 226.502†	4308.6	490	ug/L	3.7	490	ug/L	3.7	0.75%
Co 228.616†	11284.4	482	ug/L	3.2	482	ug/L	3.2	0.66%
Cr 267.716†	14440.7	493	ug/L	2.3	493	ug/L	2.3	0.47%
Cu 324.752†	138179.2	482	ug/L	3.6	482	ug/L	3.6	0.76%
Fe 259.939†	642962.0	49000	ug/L	175.6	49000	ug/L	175.6	0.36%
K 766.490†	207949.8	49000	ug/L	112.2	49000	ug/L	112.2	0.23%
Li 460.286†	69050.6	4680	ug/L	14.6	4680	ug/L	14.6	0.31%
Mg 279.077†	481467.8	48200	ug/L	173.3	48200	ug/L	173.3	0.36%
Mn 257.610†	255435.2	488	ug/L	0.4	488	ug/L	0.4	0.09%
Mo 202.031†	1796.7	491	ug/L	2.7	491	ug/L	2.7	0.55%
Na 589.592†	529882.2	46700	ug/L	163.9	46700	ug/L	163.9	0.35%
Ni 231.604†	4742.9	484	ug/L	1.7	484	ug/L	1.7	0.36%
Pb 220.353†	742.3	500	ug/L	4.2	500	ug/L	4.2	0.83%
Sb 206.836†	1055.9	499	ug/L	4.2	499	ug/L	4.2	0.85%
Se 196.026†	498.1	512	ug/L	3.0	512	ug/L	3.0	0.58%
Sn 189.927†	817.3	507	ug/L	4.2	507	ug/L	4.2	0.83%
Sr 421.552†	346909.8	466	ug/L	1.9	466	ug/L	1.9	0.40%
Ti 334.940†	225718.1	491	ug/L	0.3	491	ug/L	0.3	0.07%
Tl 190.801†	726.5	478	ug/L	9.8	478	ug/L	9.8	2.06%
V 292.402†	13554.5	512	ug/L	2.5	512	ug/L	2.5	0.49%
Zn 206.200†	7798.4	504	ug/L	4.4	504	ug/L	4.4	0.88%

Sequence No.: 25
Sample ID: 242814
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 40
Date Collected: 6/14/2007 12:24:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 242814

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1596711.3	102	%	0.3				0.34%
Sc Radial	208347.6	106	%	0.5				0.51%
Ag 328.068†	20687.6	192	ug/L	1.6	192	ug/L	1.6	0.86%
Al 308.215†	126965.9	47400	ug/L	162.5	47400	ug/L	162.5	0.34%
As 188.979†	642.9	475	ug/L	2.5	475	ug/L	2.5	0.53%
Ba 233.527†	170992.4	1480	ug/L	3.9	1480	ug/L	3.9	0.26%
Be 234.861†	89046.3	491	ug/L	2.0	491	ug/L	2.0	0.41%
Ca 315.887†	491779.0	47600	ug/L	131.6	47600	ug/L	131.6	0.28%
Cd 226.502†	4253.2	484	ug/L	1.4	484	ug/L	1.4	0.28%
Co 228.616†	11123.0	476	ug/L	3.9	476	ug/L	3.9	0.83%
Cr 267.716†	14173.6	484	ug/L	1.7	484	ug/L	1.7	0.35%
Cu 324.752†	135970.6	475	ug/L	1.9	475	ug/L	1.9	0.41%
Fe 259.939†	631920.9	48100	ug/L	152.0	48100	ug/L	152.0	0.32%
K 766.490†	204465.5	48200	ug/L	203.4	48200	ug/L	203.4	0.42%
Li 460.286†	68205.9	4620	ug/L	20.6	4620	ug/L	20.6	0.45%
Mg 279.077†	473484.4	47400	ug/L	245.8	47400	ug/L	245.8	0.52%
Mn 257.610†	254003.8	485	ug/L	1.6	485	ug/L	1.6	0.32%
Mo 202.031†	1763.3	481	ug/L	0.2	481	ug/L	0.2	0.04%
Na 589.592†	521464.2	45900	ug/L	120.2	45900	ug/L	120.2	0.26%
Ni 231.604†	4667.3	476	ug/L	2.1	476	ug/L	2.1	0.45%
Pb 220.353†	727.0	490	ug/L	4.7	490	ug/L	4.7	0.97%
Sb 206.836†	1045.1	494	ug/L	4.2	494	ug/L	4.2	0.85%
Se 196.026†	496.2	510	ug/L	4.1	510	ug/L	4.1	0.80%
Sn 189.927†	810.0	503	ug/L	1.2	503	ug/L	1.2	0.24%
Sr 421.552†	341971.1	459	ug/L	1.0	459	ug/L	1.0	0.21%
Ti 334.940†	223502.1	486	ug/L	1.3	486	ug/L	1.3	0.26%
Tl 190.801†	728.1	479	ug/L	3.9	479	ug/L	3.9	0.81%
V 292.402†	13254.6	501	ug/L	3.4	501	ug/L	3.4	0.67%
Zn 206.200†	7699.7	498	ug/L	0.8	498	ug/L	0.8	0.16%

Sequence No.: 26
Sample ID: 250682906
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 41
Date Collected: 6/14/2007 12:28:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250682906

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1516168.1	96.6	%	0.07				0.07%
Sc Radial	192859.3	98.0	%	0.36				0.37%
Ag 328.068†	-620.7	0.489	ug/L	0.2265	0.489	ug/L	0.2265	46.34%
Al 308.215†	11731.4	4380	ug/L	6.1	4380	ug/L	6.1	0.14%
As 188.979†	-10.4	-46.3	ug/L	2.39	-46.3	ug/L	2.39	5.16%
Ba 233.527†	3682.7	29.0	ug/L	0.02	29.0	ug/L	0.02	0.08%
Be 234.861†	162.6	0.619	ug/L	0.0374	0.619	ug/L	0.0374	6.04%
Ca 315.887†	10830251.6	1050000	ug/L	6873.4	1050000	ug/L	6873.4	0.66%
Cd 226.502†	333.1	-140	ug/L	1.1	-140	ug/L	1.1	0.77%
Co 228.616†	57.8	2.02	ug/L	0.144	2.02	ug/L	0.144	7.11%
Cr 267.716†	2094.2	71.0	ug/L	0.42	71.0	ug/L	0.42	0.60%
Cu 324.752†	20715.3	87.8	ug/L	0.17	87.8	ug/L	0.17	0.19%
Fe 259.939†	128907.5	9820	ug/L	11.7	9820	ug/L	11.7	0.12%
K 766.490†	2611.7	637	ug/L	5.0	637	ug/L	5.0	0.79%
Li 460.286†	1743.7	16.4	ug/L	4.79	16.4	ug/L	4.79	29.21%
Mg 279.077†	96735.1	9690	ug/L	29.5	9690	ug/L	29.5	0.30%
Mn 257.610†	90071.0	172	ug/L	0.2	172	ug/L	0.2	0.13%
Mo 202.031†	-17.4	-3.76	ug/L	1.225	-3.76	ug/L	1.225	32.59%
Na 589.592†	22664.8	1990	ug/L	2.4	1990	ug/L	2.4	0.12%
Ni 231.604†	59.7	5.98	ug/L	0.368	5.98	ug/L	0.368	6.15%
Pb 220.353†	145.9	218	ug/L	1.8	218	ug/L	1.8	0.81%
Sb 206.836†	26.4	-31.7	ug/L	2.48	-31.7	ug/L	2.48	7.82%
Se 196.026†	-13.5	-9.94	ug/L	1.782	-9.94	ug/L	1.782	17.93%
Sn 189.927†	-17.4	15.8	ug/L	4.55	15.8	ug/L	4.55	28.84%
Sr 421.552†	1319404.4	1750	ug/L	7.7	1750	ug/L	7.7	0.44%
Ti 334.940†	34264.1	74.5	ug/L	0.04	74.5	ug/L	0.04	0.06%
Tl 190.801†	-3.3	-3.29	ug/L	6.724	-3.29	ug/L	6.724	204.42%
V 292.402†	1133.7	42.9	ug/L	0.58	42.9	ug/L	0.58	1.36%
Zn 206.200†	10620.1	714	ug/L	2.3	714	ug/L	2.3	0.33%

Sequence No.: 27
Sample ID: 250682906L
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 42
Date Collected: 6/14/2007 12:33:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250682906L

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1577953.5	101	%	0.3				0.26%
Sc Radial	203823.0	104	%	0.5				0.45%
Ag 328.068†	-384.0	-0.991	ug/L	0.0403	-4.95	ug/L	0.201	4.07%
Al 308.215†	2742.2	1020	ug/L	6.9	5110	ug/L	34.5	0.68%
As 188.979†	-12.3	-18.2	ug/L	2.09	-90.8	ug/L	10.44	11.50%
Ba 233.527†	840.2	6.76	ug/L	0.040	33.8	ug/L	0.20	0.59%
Be 234.861†	13.8	0.121	ug/L	0.0344	0.606	ug/L	0.1718	28.35%
Ca 315.887†	2446159.4	237000	ug/L	736.9	1190000	ug/L	3684.6	0.31%
Cd 226.502†	146.9	-22.9	ug/L	0.59	-115	ug/L	3.0	2.57%
Co 228.616†	17.4	0.609	ug/L	0.1827	3.04	ug/L	0.914	30.01%
Cr 267.716†	490.0	16.2	ug/L	0.13	81.0	ug/L	0.64	0.80%
Cu 324.752†	4630.8	19.5	ug/L	0.21	97.6	ug/L	1.06	1.08%
Fe 259.939†	30364.1	2310	ug/L	22.6	11600	ug/L	113.1	0.98%
K 766.490†	446.5	126	ug/L	7.3	631	ug/L	36.5	5.78%
Li 460.286†	365.3	2.56	ug/L	3.286	12.8	ug/L	16.43	128.51%
Mg 279.077†	22014.9	2210	ug/L	11.6	11000	ug/L	58.2	0.53%
Mn 257.610†	24533.8	46.5	ug/L	0.22	233	ug/L	1.1	0.48%
Mo 202.031†	-19.4	-4.67	ug/L	1.339	-23.4	ug/L	6.69	28.64%
Na 589.592†	4980.4	434	ug/L	6.1	2170	ug/L	30.7	1.41%
Ni 231.604†	18.6	1.94	ug/L	0.436	9.71	ug/L	2.179	22.43%
Pb 220.353†	33.8	50.3	ug/L	4.32	251	ug/L	21.6	8.60%
Sb 206.836†	24.7	-2.42	ug/L	4.826	-12.1	ug/L	24.13	199.08%
Se 196.026†	-11.4	-12.1	ug/L	4.05	-60.3	ug/L	20.27	33.61%
Sn 189.927†	-14.5	-1.56	ug/L	2.053	-7.78	ug/L	10.264	131.94%
Sr 421.552†	290249.1	386	ug/L	1.3	1930	ug/L	6.6	0.34%
Ti 334.940†	8370.7	18.2	ug/L	0.07	90.9	ug/L	0.36	0.39%
Tl 190.801†	-4.2	-3.18	ug/L	1.964	-15.9	ug/L	9.82	61.82%
V 292.402†	267.8	9.93	ug/L	0.135	49.7	ug/L	0.67	1.36%
Zn 206.200†	2581.0	173	ug/L	0.8	864	ug/L	3.8	0.44%

Sequence No.: 28
Sample ID: 250682907
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 43
Date Collected: 6/14/2007 12:37:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250682907

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1469835.6	93.7	%	0.14				0.15%
Sc Radial	191483.2	97.3	%	0.50				0.51%
Ag 328.068†	21248.0	203	ug/L	0.3	203	ug/L	0.3	0.16%
Al 308.215†	121595.0	45400	ug/L	20.6	45400	ug/L	20.6	0.05%
As 188.979†	594.9	384	ug/L	5.2	384	ug/L	5.2	1.35%
Ba 233.527†	145658.8	1260	ug/L	2.0	1260	ug/L	2.0	0.16%
Be 234.861†	78933.5	435	ug/L	0.8	435	ug/L	0.8	0.19%
Ca 315.887†	16011077.8	1550000	ug/L	6690.0	1550000	ug/L	6690.0	0.43%
Cd 226.502†	3881.4	184	ug/L	2.8	184	ug/L	2.8	1.50%
Co 228.616†	8825.9	377	ug/L	1.2	377	ug/L	1.2	0.31%
Cr 267.716†	13550.5	463	ug/L	2.3	463	ug/L	2.3	0.49%
Cu 324.752†	142618.8	520	ug/L	1.2	520	ug/L	1.2	0.23%
Fe 259.939†	692158.0	52700	ug/L	107.7	52700	ug/L	107.7	0.20%
K 766.490†	215009.3	50700	ug/L	65.0	50700	ug/L	65.0	0.13%
Li 460.286†	71292.1	4730	ug/L	13.4	4730	ug/L	13.4	0.28%
Mg 279.077†	540391.5	54100	ug/L	278.8	54100	ug/L	278.8	0.51%
Mn 257.610†	329343.4	629	ug/L	1.6	629	ug/L	1.6	0.25%
Mo 202.031†	1495.9	409	ug/L	2.4	409	ug/L	2.4	0.58%
Na 589.592†	548336.7	48300	ug/L	95.4	48300	ug/L	95.4	0.20%
Ni 231.604†	3809.3	388	ug/L	1.8	388	ug/L	1.8	0.47%
Pb 220.353†	737.6	669	ug/L	2.1	669	ug/L	2.1	0.31%
Sb 206.836†	790.5	317	ug/L	6.7	317	ug/L	6.7	2.11%
Se 196.026†	469.1	486	ug/L	3.2	486	ug/L	3.2	0.67%
Sn 189.927†	628.7	426	ug/L	3.5	426	ug/L	3.5	0.81%
Sr 421.552†	2002254.5	2660	ug/L	13.9	2660	ug/L	13.9	0.52%
Ti 334.940†	199337.9	433	ug/L	0.2	433	ug/L	0.2	0.05%
Tl 190.801†	663.5	436	ug/L	4.1	436	ug/L	4.1	0.93%
V 292.402†	13225.4	500	ug/L	2.3	500	ug/L	2.3	0.46%
Zn 206.200†	14679.0	989	ug/L	3.6	989	ug/L	3.6	0.36%

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Sequence No.: 29
Sample ID: 250682908
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 44
Date Collected: 6/14/2007 12:41:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250682908

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1496911.1	95.4	%	0.51				0.53%
Sc Radial	197438.0	100	%	0.2				0.22%
Ag 328.068†	21175.9	200	ug/L	0.8	200	ug/L	0.8	0.40%
Al 308.215†	112768.2	42100	ug/L	94.0	42100	ug/L	94.0	0.22%
As 188.979†	571.3	386	ug/L	6.4	386	ug/L	6.4	1.65%
Ba 233.527†	138797.6	1200	ug/L	0.8	1200	ug/L	0.8	0.06%
Be 234.861†	73190.1	403	ug/L	2.4	403	ug/L	2.4	0.61%
Ca 315.887†	10357004.3	1000000	ug/L	3114.2	1000000	ug/L	3114.2	0.31%
Cd 226.502†	3854.2	275	ug/L	1.9	275	ug/L	1.9	0.69%
Co 228.616†	8361.7	357	ug/L	2.6	357	ug/L	2.6	0.74%
Cr 267.716†	12154.3	415	ug/L	1.7	415	ug/L	1.7	0.41%
Cu 324.752†	135872.7	489	ug/L	0.6	489	ug/L	0.6	0.12%
Fe 259.939†	632317.8	48200	ug/L	107.8	48200	ug/L	107.8	0.22%
K 766.490†	207920.0	49000	ug/L	54.8	49000	ug/L	54.8	0.11%
Li 460.286†	67399.3	4510	ug/L	5.5	4510	ug/L	5.5	0.12%
Mg 279.077†	454652.3	45500	ug/L	316.1	45500	ug/L	316.1	0.69%
Mn 257.610†	289192.3	553	ug/L	0.8	553	ug/L	0.8	0.14%
Mo 202.031†	1397.0	382	ug/L	1.9	382	ug/L	1.9	0.50%
Na 589.592†	534205.2	47000	ug/L	32.6	47000	ug/L	32.6	0.07%
Ni 231.604†	3620.0	369	ug/L	1.9	369	ug/L	1.9	0.50%
Pb 220.353†	778.2	633	ug/L	4.3	633	ug/L	4.3	0.68%
Sb 206.836†	702.9	295	ug/L	2.3	295	ug/L	2.3	0.78%
Se 196.026†	453.8	468	ug/L	16.9	468	ug/L	16.9	3.60%
Sn 189.927†	601.7	397	ug/L	2.4	397	ug/L	2.4	0.62%
Sr 421.552†	1634481.4	2180	ug/L	13.0	2180	ug/L	13.0	0.60%
Ti 334.940†	179698.9	391	ug/L	1.0	391	ug/L	1.0	0.25%
Tl 190.801†	662.1	437	ug/L	4.8	437	ug/L	4.8	1.10%
V 292.402†	11388.7	431	ug/L	2.9	431	ug/L	2.9	0.66%
Zn 206.200†	17848.2	1180	ug/L	0.9	1180	ug/L	0.9	0.08%

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Sequence No.: 30
Sample ID: 250682906A
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 45
Date Collected: 6/14/2007 12:46:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250682906A

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1498835.7	95.5	%	0.17				0.18%
Sc Radial	195814.2	99.5	%	0.16				0.16%
Ag 328.068†	5284.7	57.5	ug/L	0.79	57.5	ug/L	0.79	1.38%
Al 308.215†	146295.1	54600	ug/L	108.1	54600	ug/L	108.1	0.20%
As 188.979†	605.2	404	ug/L	1.4	404	ug/L	1.4	0.34%
Ba 233.527†	160858.1	1390	ug/L	4.1	1390	ug/L	4.1	0.29%
Be 234.861†	91005.1	502	ug/L	1.4	502	ug/L	1.4	0.27%
Ca 315.887†	12698313.4	1230000	ug/L	3863.1	1230000	ug/L	3863.1	0.31%
Cd 226.502†	4190.8	275	ug/L	3.1	275	ug/L	3.1	1.12%
Co 228.616†	9993.2	426	ug/L	1.0	426	ug/L	1.0	0.22%
Cr 267.716†	15524.3	530	ug/L	1.4	530	ug/L	1.4	0.27%
Cu 324.752†	164505.0	592	ug/L	0.7	592	ug/L	0.7	0.13%
Fe 259.939†	740788.2	56400	ug/L	67.1	56400	ug/L	67.1	0.12%
K 766.490†	214074.0	50500	ug/L	172.6	50500	ug/L	172.6	0.34%
Li 460.286†	74815.8	4980	ug/L	7.5	4980	ug/L	7.5	0.15%
Mg 279.077†	566633.1	56800	ug/L	144.8	56800	ug/L	144.8	0.26%
Mn 257.610†	339407.8	648	ug/L	2.3	648	ug/L	2.3	0.35%
Mo 202.031†	1647.2	450	ug/L	4.5	450	ug/L	4.5	1.00%
Na 589.592†	557132.7	49100	ug/L	26.2	49100	ug/L	26.2	0.05%
Ni 231.604†	4342.7	443	ug/L	0.4	443	ug/L	0.4	0.09%
Pb 220.353†	844.8	704	ug/L	4.3	704	ug/L	4.3	0.62%
Sb 206.836†	1009.4	433	ug/L	4.0	433	ug/L	4.0	0.92%
Se 196.026†	517.6	535	ug/L	8.4	535	ug/L	8.4	1.56%
Sn 189.927†	740.1	488	ug/L	1.3	488	ug/L	1.3	0.26%
Sr 421.552†	1832385.7	2440	ug/L	6.2	2440	ug/L	6.2	0.26%
Ti 334.940†	306779.1	667	ug/L	3.9	667	ug/L	3.9	0.59%
Tl 190.801†	676.6	444	ug/L	1.1	444	ug/L	1.1	0.25%
V 292.402†	14292.2	540	ug/L	0.9	540	ug/L	0.9	0.17%
Zn 206.200†	18822.5	1250	ug/L	3.8	1250	ug/L	3.8	0.30%

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Sequence No.: 31 **Autosampler Location: 46**
Sample ID: 250682909 **Date Collected: 6/14/2007 12:50:12 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250682909

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1544605.4	98.4	%	0.12				0.12%
Sc Radial	196838.6	100.0	%	0.20				0.20%
Ag 328.068†	-412.0	0.369	ug/L	0.1117	0.369	ug/L	0.1117	30.31%
Al 308.215†	11162.0	4170	ug/L	4.4	4170	ug/L	4.4	0.10%
As 188.979†	0.2	-16.5	ug/L	4.09	-16.5	ug/L	4.09	24.73%
Ba 233.527†	4388.6	36.9	ug/L	0.15	36.9	ug/L	0.15	0.41%
Be 234.861†	180.7	0.463	ug/L	0.0604	0.463	ug/L	0.0604	13.04%
Ca 315.887†	4849851.0	470000	ug/L	1969.7	470000	ug/L	1969.7	0.42%
Cd 226.502†	367.6	-37.9	ug/L	0.85	-37.9	ug/L	0.85	2.23%
Co 228.616†	60.5	1.97	ug/L	0.177	1.97	ug/L	0.177	8.97%
Cr 267.716†	1460.8	49.4	ug/L	0.14	49.4	ug/L	0.14	0.27%
Cu 324.752†	29764.4	111	ug/L	0.1	111	ug/L	0.1	0.05%
Fe 259.939†	206164.8	15700	ug/L	84.5	15700	ug/L	84.5	0.54%
K 766.490†	1193.5	302	ug/L	12.3	302	ug/L	12.3	4.07%
Li 460.286†	1511.4	5.13	ug/L	6.709	5.13	ug/L	6.709	130.75%
Mg 279.077†	37316.3	3750	ug/L	13.6	3750	ug/L	13.6	0.36%
Mn 257.610†	93716.0	179	ug/L	0.3	179	ug/L	0.3	0.17%
Mo 202.031†	-12.9	-2.22	ug/L	1.939	-2.22	ug/L	1.939	87.52%
Na 589.592†	22197.5	1950	ug/L	7.4	1950	ug/L	7.4	0.38%
Ni 231.604†	67.8	6.70	ug/L	1.427	6.70	ug/L	1.427	21.31%
Pb 220.353†	119.7	133	ug/L	1.4	133	ug/L	1.4	1.03%
Sb 206.836†	33.6	-6.95	ug/L	1.296	-6.95	ug/L	1.296	18.65%
Se 196.026†	-21.3	-14.1	ug/L	2.40	-14.1	ug/L	2.40	17.01%
Sn 189.927†	-13.1	4.89	ug/L	4.137	4.89	ug/L	4.137	84.54%
Sr 421.552†	1046260.3	1400	ug/L	4.0	1400	ug/L	4.0	0.29%
Ti 334.940†	33362.1	72.5	ug/L	0.40	72.5	ug/L	0.40	0.56%
Tl 190.801†	1.6	-0.120	ug/L	4.2612	-0.120	ug/L	4.2612	>999.9%
V 292.402†	694.9	27.3	ug/L	0.20	27.3	ug/L	0.20	0.74%
Zn 206.200†	7634.6	505	ug/L	2.9	505	ug/L	2.9	0.57%

Sequence No.: 32 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 6/14/2007 12:54:16 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1588926.3	101	%	0.2				0.19%
Sc Radial	203698.6	103	%	0.5				0.49%
Ag 328.068†	52700.1	481	ug/L	1.5	481	ug/L	1.5	0.32%
QC value within limits for Ag 328.068 Recovery = 96.28%								
Al 308.215†	62698.9	23400	ug/L	14.8	23400	ug/L	14.8	0.06%
QC value within limits for Al 308.215 Recovery = 93.63%								
As 188.979†	647.9	479	ug/L	3.5	479	ug/L	3.5	0.73%
QC value within limits for As 188.979 Recovery = 95.75%								
Ba 233.527†	55278.0	479	ug/L	2.0	479	ug/L	2.0	0.42%
QC value within limits for Ba 233.527 Recovery = 95.80%								
Be 234.861†	85581.1	472	ug/L	2.0	472	ug/L	2.0	0.42%
QC value within limits for Be 234.861 Recovery = 94.47%								
Ca 315.887†	245587.1	23800	ug/L	30.6	23800	ug/L	30.6	0.13%
QC value within limits for Ca 315.887 Recovery = 95.17%								
Cd 226.502†	4110.0	472	ug/L	1.2	472	ug/L	1.2	0.26%
QC value within limits for Cd 226.502 Recovery = 94.38%								
Co 228.616†	11031.5	471	ug/L	2.4	471	ug/L	2.4	0.51%
QC value within limits for Co 228.616 Recovery = 94.21%								
Cr 267.716†	14014.4	478	ug/L	1.6	478	ug/L	1.6	0.34%
QC value within limits for Cr 267.716 Recovery = 95.65%								
Cu 324.752†	131284.1	458	ug/L	2.6	458	ug/L	2.6	0.57%
QC value within limits for Cu 324.752 Recovery = 91.56%								
Fe 259.939†	495769.5	37800	ug/L	101.9	37800	ug/L	101.9	0.27%
QC value within limits for Fe 259.939 Recovery = 94.43%								
K 766.490†	101053.2	23800	ug/L	43.4	23800	ug/L	43.4	0.18%
QC value within limits for K 766.490 Recovery = 95.35%								
Li 460.286†	67692.0	4640	ug/L	14.1	4640	ug/L	14.1	0.31%
Mg 279.077†	240019.6	24100	ug/L	96.1	24100	ug/L	96.1	0.40%
QC value within limits for Mg 279.077 Recovery = 96.21%								
Mn 257.610†	250692.4	479	ug/L	0.5	479	ug/L	0.5	0.10%
QC value within limits for Mn 257.610 Recovery = 95.89%								
Mo 202.031†	1724.6	470	ug/L	1.6	470	ug/L	1.6	0.35%
QC value within limits for Mo 202.031 Recovery = 94.09%								
Na 589.592†	257336.7	22700	ug/L	39.8	22700	ug/L	39.8	0.18%
QC value within limits for Na 589.592 Recovery = 90.64%								
Ni 231.604†	4660.1	475	ug/L	1.1	475	ug/L	1.1	0.23%
QC value within limits for Ni 231.604 Recovery = 95.08%								
Pb 220.353†	718.2	482	ug/L	2.7	482	ug/L	2.7	0.56%
QC value within limits for Pb 220.353 Recovery = 96.42%								
Sb 206.836†	1001.1	473	ug/L	1.4	473	ug/L	1.4	0.29%
QC value within limits for Sb 206.836 Recovery = 94.69%								
Se 196.026†	491.0	499	ug/L	6.0	499	ug/L	6.0	1.21%
QC value within limits for Se 196.026 Recovery = 99.73%								
Sn 189.927†	605.2	376	ug/L	1.2	376	ug/L	1.2	0.31%
QC value within limits for Sn 189.927 Recovery = 93.96%								
Sr 421.552†	281426.7	378	ug/L	0.5	378	ug/L	0.5	0.15%
QC value within limits for Sr 421.552 Recovery = 94.56%								
Ti 334.940†	175438.6	381	ug/L	1.2	381	ug/L	1.2	0.31%
QC value within limits for Ti 334.940 Recovery = 95.37%								
Tl 190.801†	707.0	465	ug/L	9.2	465	ug/L	9.2	1.97%
QC value within limits for Tl 190.801 Recovery = 93.08%								
V 292.402†	12974.4	489	ug/L	1.4	489	ug/L	1.4	0.29%
QC value within limits for V 292.402 Recovery = 97.85%								
Zn 206.200†	7521.6	487	ug/L	1.5	487	ug/L	1.5	0.30%
QC value within limits for Zn 206.200 Recovery = 97.32%								

All analyte(s) passed QC.

Sequence No.: 33 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 6/14/2007 12:58:16 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1598607.3	102	%	0.5				0.44%
Sc Radial	202211.0	103	%	0.8				0.80%
Ag 328.068†	-249.9	-0.840	ug/L	0.2565	-0.840	ug/L	0.2565	30.54%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-13.4	-5.98	ug/L	1.191	-5.98	ug/L	1.191	19.91%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-0.1	-0.636	ug/L	3.4880	-0.636	ug/L	3.4880	548.46%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-1.1	0.153	ug/L	0.0366	0.153	ug/L	0.0366	23.91%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-4.7	0.119	ug/L	0.0092	0.119	ug/L	0.0092	7.76%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	61.5	2.76	ug/L	1.702	2.76	ug/L	1.702	61.77%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	-3.2	0.070	ug/L	0.1741	0.070	ug/L	0.1741	249.79%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	9.5	0.373	ug/L	0.1488	0.373	ug/L	0.1488	39.88%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-3.7	-0.667	ug/L	0.3435	-0.667	ug/L	0.3435	51.53%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	96.8	0.138	ug/L	0.0646	0.138	ug/L	0.0646	46.82%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	28.2	3.15	ug/L	0.610	3.15	ug/L	0.610	19.34%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-3.1	20.3	ug/L	3.28	20.3	ug/L	3.28	16.17%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	-56.4	-2.28	ug/L	3.459	-2.28	ug/L	3.459	151.89%
Mg 279.077†	-0.3	0.547	ug/L	2.2314	0.547	ug/L	2.2314	407.99%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	6.0	-0.440	ug/L	0.0072	-0.440	ug/L	0.0072	1.63%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	2.2	1.08	ug/L	0.680	1.08	ug/L	0.680	63.05%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	2.9	-3.92	ug/L	2.991	-3.92	ug/L	2.991	76.24%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	5.8	0.682	ug/L	0.5566	0.682	ug/L	0.5566	81.63%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-4.4	-2.13	ug/L	3.534	-2.13	ug/L	3.534	166.03%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	6.2	-2.42	ug/L	2.808	-2.42	ug/L	2.808	116.13%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-1.2	-3.40	ug/L	6.347	-3.40	ug/L	6.347	186.82%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	0.1	1.85	ug/L	1.824	1.85	ug/L	1.824	98.64%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	9.5	-0.018	ug/L	0.0393	-0.018	ug/L	0.0393	219.23%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	27.6	0.041	ug/L	0.0694	0.041	ug/L	0.0694	167.63%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	1.0	0.585	ug/L	1.2983	0.585	ug/L	1.2983	222.00%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-1.5	-0.269	ug/L	0.0878	-0.269	ug/L	0.0878	32.70%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-1.9	-0.421	ug/L	0.4012	-0.421	ug/L	0.4012	95.23%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 34
Sample ID: 250682910
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 47
Date Collected: 6/14/2007 1:02:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250682910

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1426796.2	90.9	%	0.33				0.37%
Sc Radial	183844.1	93.4	%	0.40				0.42%
Ag 328.068†	-1226.9	2.81	ug/L	0.505	2.81	ug/L	0.505	17.99%
Al 308.215†	17486.0	6530	ug/L	19.4	6530	ug/L	19.4	0.30%
As 188.979†	-17.0	-97.2	ug/L	3.35	-97.2	ug/L	3.35	3.44%
Ba 233.527†	4861.6	35.8	ug/L	0.07	35.8	ug/L	0.07	0.19%
Be 234.861†	649.7	1.14	ug/L	0.134	1.14	ug/L	0.134	11.75%
Ca 315.887†	24534679.1	2380000	ug/L	16446.1	2380000	ug/L	16446.1	0.69%
Cd 226.502†	421.4	-359	ug/L	1.1	-359	ug/L	1.1	0.29%
Co 228.616†	96.6	2.18	ug/L	0.228	2.18	ug/L	0.228	10.44%
Cr 267.716†	2354.4	80.1	ug/L	0.64	80.1	ug/L	0.64	0.80%
Cu 324.752†	21711.5	113	ug/L	0.7	113	ug/L	0.7	0.61%
Fe 259.939†	785693.7	59900	ug/L	367.9	59900	ug/L	367.9	0.61%
K 766.490†	1922.8	474	ug/L	15.4	474	ug/L	15.4	3.26%
Li 460.286†	6937.8	64.9	ug/L	7.12	64.9	ug/L	7.12	10.97%
Mg 279.077†	208838.8	20900	ug/L	78.7	20900	ug/L	78.7	0.38%
Mn 257.610†	255934.9	490	ug/L	1.3	490	ug/L	1.3	0.27%
Mo 202.031†	21.7	9.42	ug/L	1.129	9.42	ug/L	1.129	11.99%
Na 589.592†	37155.7	3270	ug/L	10.9	3270	ug/L	10.9	0.33%
Ni 231.604†	75.0	6.52	ug/L	0.516	6.52	ug/L	0.516	7.92%
Pb 220.353†	55.9	304	ug/L	5.0	304	ug/L	5.0	1.64%
Sb 206.836†	12.1	-86.8	ug/L	3.36	-86.8	ug/L	3.36	3.87%
Se 196.026†	-41.4	-8.44	ug/L	4.950	-8.44	ug/L	4.950	58.62%
Sn 189.927†	-31.5	38.2	ug/L	8.60	38.2	ug/L	8.60	22.49%
Sr 421.552†	2687285.5	3570	ug/L	31.7	3570	ug/L	31.7	0.89%
Ti 334.940†	34039.0	74.0	ug/L	0.13	74.0	ug/L	0.13	0.18%
Tl 190.801†	2.4	-2.19	ug/L	1.521	-2.19	ug/L	1.521	69.32%
V 292.402†	1853.2	75.2	ug/L	0.28	75.2	ug/L	0.28	0.37%
Zn 206.200†	3529.5	292	ug/L	1.9	292	ug/L	1.9	0.66%

Sequence No.: 35
Sample ID: 250682911
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 48
Date Collected: 6/14/2007 1:07:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250682911

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1509466.8	96.2	%	0.18				0.19%
Sc Radial	195735.1	99.4	%	0.62				0.62%
Ag 328.068†	-699.9	0.005	ug/L	0.0964	0.005	ug/L	0.0964	>999.9%
Al 308.215†	15249.9	5690	ug/L	14.5	5690	ug/L	14.5	0.26%
As 188.979†	-11.6	-44.4	ug/L	5.75	-44.4	ug/L	5.75	12.95%
Ba 233.527†	3562.3	28.3	ug/L	0.11	28.3	ug/L	0.11	0.40%
Be 234.861†	230.2	0.599	ug/L	0.0379	0.599	ug/L	0.0379	6.33%
Ca 315.887†	10236312.4	992000	ug/L	4497.2	992000	ug/L	4497.2	0.45%
Cd 226.502†	342.4	-130	ug/L	0.1	-130	ug/L	0.1	0.10%
Co 228.616†	74.4	2.44	ug/L	0.399	2.44	ug/L	0.399	16.34%
Cr 267.716†	1788.6	60.6	ug/L	0.71	60.6	ug/L	0.71	1.18%
Cu 324.752†	20270.2	85.7	ug/L	0.24	85.7	ug/L	0.24	0.28%
Fe 259.939†	248155.2	18900	ug/L	56.3	18900	ug/L	56.3	0.30%
K 766.490†	1558.2	388	ug/L	10.1	388	ug/L	10.1	2.60%
Li 460.286†	2382.0	20.9	ug/L	4.59	20.9	ug/L	4.59	21.91%
Mg 279.077†	88248.0	8850	ug/L	52.2	8850	ug/L	52.2	0.59%
Mn 257.610†	114354.1	219	ug/L	0.1	219	ug/L	0.1	0.06%
Mo 202.031†	-6.4	-0.300	ug/L	2.0676	-0.300	ug/L	2.0676	688.80%
Na 589.592†	22827.8	2010	ug/L	5.5	2010	ug/L	5.5	0.27%
Ni 231.604†	83.6	8.24	ug/L	0.604	8.24	ug/L	0.604	7.33%
Pb 220.353†	64.3	155	ug/L	6.5	155	ug/L	6.5	4.16%
Sb 206.836†	26.6	-29.3	ug/L	2.72	-29.3	ug/L	2.72	9.25%
Se 196.026†	-8.2	0.436	ug/L	8.7431	0.436	ug/L	8.7431	>999.9%
Sn 189.927†	-22.3	11.4	ug/L	3.79	11.4	ug/L	3.79	33.15%
Sr 421.552†	1226926.1	1630	ug/L	14.4	1630	ug/L	14.4	0.88%
Ti 334.940†	37661.0	81.9	ug/L	0.17	81.9	ug/L	0.17	0.21%
Tl 190.801†	-1.8	-2.76	ug/L	2.214	-2.76	ug/L	2.214	80.27%
V 292.402†	1215.0	46.9	ug/L	0.16	46.9	ug/L	0.16	0.35%
Zn 206.200†	4305.7	305	ug/L	1.0	305	ug/L	1.0	0.32%

Sequence No.: 36
Sample ID: 250682912
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 49
Date Collected: 6/14/2007 1:11:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250682912

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1532539.4	97.7	%	0.53				0.55%
Sc Radial	195639.6	99.4	%	0.61				0.61%
Ag 328.068†	-455.4	-0.220	ug/L	0.1389	-0.220	ug/L	0.1389	63.00%
Al 308.215†	12163.7	4540	ug/L	17.6	4540	ug/L	17.6	0.39%
As 188.979†	1.2	-14.7	ug/L	1.56	-14.7	ug/L	1.56	10.57%
Ba 233.527†	3802.6	31.9	ug/L	0.15	31.9	ug/L	0.15	0.47%
Be 234.861†	170.1	0.468	ug/L	0.0404	0.468	ug/L	0.0404	8.62%
Ca 315.887†	4531251.0	439000	ug/L	3508.9	439000	ug/L	3508.9	0.80%
Cd 226.502†	255.2	-45.6	ug/L	0.17	-45.6	ug/L	0.17	0.38%
Co 228.616†	50.2	1.50	ug/L	0.176	1.50	ug/L	0.176	11.67%
Cr 267.716†	1495.6	50.6	ug/L	0.19	50.6	ug/L	0.19	0.37%
Cu 324.752†	19983.5	76.3	ug/L	0.53	76.3	ug/L	0.53	0.70%
Fe 259.939†	187118.8	14300	ug/L	110.7	14300	ug/L	110.7	0.78%
K 766.490†	1429.9	358	ug/L	10.8	358	ug/L	10.8	3.00%
Li 460.286†	1399.2	5.95	ug/L	2.788	5.95	ug/L	2.788	46.88%
Mg 279.077†	38707.5	3880	ug/L	20.8	3880	ug/L	20.8	0.54%
Mn 257.610†	74686.2	143	ug/L	0.6	143	ug/L	0.6	0.43%
Mo 202.031†	-17.2	-3.47	ug/L	1.406	-3.47	ug/L	1.406	40.51%
Na 589.592†	29542.1	2600	ug/L	9.7	2600	ug/L	9.7	0.37%
Ni 231.604†	54.2	5.33	ug/L	0.478	5.33	ug/L	0.478	8.95%
Pb 220.353†	83.3	105	ug/L	1.2	105	ug/L	1.2	1.18%
Sb 206.836†	27.8	-8.60	ug/L	2.397	-8.60	ug/L	2.397	27.88%
Se 196.026†	-11.6	-5.41	ug/L	10.121	-5.41	ug/L	10.121	186.94%
Sn 189.927†	-14.3	3.50	ug/L	1.797	3.50	ug/L	1.797	51.33%
Sr 421.552†	1337984.7	1790	ug/L	12.4	1790	ug/L	12.4	0.69%
Ti 334.940†	47523.1	103	ug/L	0.6	103	ug/L	0.6	0.61%
Tl 190.801†	-2.9	-3.04	ug/L	3.720	-3.04	ug/L	3.720	122.20%
V 292.402†	673.7	26.3	ug/L	0.12	26.3	ug/L	0.12	0.46%
Zn 206.200†	6266.4	416	ug/L	2.1	416	ug/L	2.1	0.49%

Sequence No.: 37
Sample ID: 250682913
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 50
Date Collected: 6/14/2007 1:15:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250682913

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1533928.5	97.8	%	0.03				0.03%
Sc Radial	196976.9	100	%	0.5				0.54%
Ag 328.068†	-503.1	-0.432	ug/L	0.0818	-0.432	ug/L	0.0818	18.91%
Al 308.215†	14516.8	5420	ug/L	20.8	5420	ug/L	20.8	0.38%
As 188.979†	-2.4	-19.2	ug/L	0.50	-19.2	ug/L	0.50	2.59%
Ba 233.527†	4036.7	33.8	ug/L	0.15	33.8	ug/L	0.15	0.46%
Be 234.861†	166.6	0.443	ug/L	0.0634	0.443	ug/L	0.0634	14.29%
Ca 315.887†	5077912.9	492000	ug/L	3068.3	492000	ug/L	3068.3	0.62%
Cd 226.502†	721.2	-0.365	ug/L	0.8243	-0.365	ug/L	0.8243	225.59%
Co 228.616†	75.2	2.54	ug/L	0.141	2.54	ug/L	0.141	5.57%
Cr 267.716†	2096.6	71.1	ug/L	0.27	71.1	ug/L	0.27	0.37%
Cu 324.752†	29813.8	111	ug/L	0.1	111	ug/L	0.1	0.13%
Fe 259.939†	188673.8	14400	ug/L	125.0	14400	ug/L	125.0	0.87%
K 766.490†	1342.7	337	ug/L	10.6	337	ug/L	10.6	3.16%
Li 460.286†	1448.1	5.68	ug/L	2.828	5.68	ug/L	2.828	49.81%
Mg 279.077†	42307.8	4240	ug/L	25.7	4240	ug/L	25.7	0.61%
Mn 257.610†	75963.2	145	ug/L	0.2	145	ug/L	0.2	0.16%
Mo 202.031†	-14.7	-2.78	ug/L	0.499	-2.78	ug/L	0.499	17.97%
Na 589.592†	21422.8	1880	ug/L	4.8	1880	ug/L	4.8	0.25%
Ni 231.604†	82.4	8.21	ug/L	0.988	8.21	ug/L	0.988	12.03%
Pb 220.353†	214.7	199	ug/L	3.6	199	ug/L	3.6	1.80%
Sb 206.836†	20.1	-14.4	ug/L	1.23	-14.4	ug/L	1.23	8.54%
Se 196.026†	-11.2	-4.98	ug/L	8.141	-4.98	ug/L	8.141	163.48%
Sn 189.927†	-9.6	7.65	ug/L	2.403	7.65	ug/L	2.403	31.43%
Sr 421.552†	1076403.9	1440	ug/L	6.4	1440	ug/L	6.4	0.45%
Ti 334.940†	55928.0	122	ug/L	0.3	122	ug/L	0.3	0.22%
Tl 190.801†	2.2	0.343	ug/L	2.1266	0.343	ug/L	2.1266	619.78%
V 292.402†	828.0	32.1	ug/L	0.42	32.1	ug/L	0.42	1.30%
Zn 206.200†	9953.8	656	ug/L	1.0	656	ug/L	1.0	0.16%

Sequence No.: 38 **Autosampler Location: 51**
Sample ID: 250682914 **Date Collected: 6/14/2007 1:19:44 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250682914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1532370.8	97.7	%	0.56				0.57%
Sc Radial	196052.4	99.6	%	0.52				0.52%
Ag 328.068†	-513.2	0.454	ug/L	0.0333	0.454	ug/L	0.0333	7.34%
Al 308.215†	16493.7	6160	ug/L	34.6	6160	ug/L	34.6	0.56%
As 188.979†	-6.3	-31.4	ug/L	4.23	-31.4	ug/L	4.23	13.45%
Ba 233.527†	5267.7	43.7	ug/L	0.29	43.7	ug/L	0.29	0.67%
Be 234.861†	184.5	0.567	ug/L	0.0515	0.567	ug/L	0.0515	9.08%
Ca 315.887†	7683347.3	744000	ug/L	3382.0	744000	ug/L	3382.0	0.45%
Cd 226.502†	287.8	-93.7	ug/L	0.70	-93.7	ug/L	0.70	0.75%
Co 228.616†	59.7	1.86	ug/L	0.235	1.86	ug/L	0.235	12.59%
Cr 267.716†	2780.7	94.4	ug/L	0.40	94.4	ug/L	0.40	0.43%
Cu 324.752†	42251.1	158	ug/L	0.6	158	ug/L	0.6	0.41%
Fe 259.939†	181366.5	13800	ug/L	68.8	13800	ug/L	68.8	0.50%
K 766.490†	1110.4	283	ug/L	10.5	283	ug/L	10.5	3.71%
Li 460.286†	1680.8	10.1	ug/L	6.34	10.1	ug/L	6.34	62.62%
Mg 279.077†	66848.5	6700	ug/L	21.0	6700	ug/L	21.0	0.31%
Mn 257.610†	85132.3	163	ug/L	0.6	163	ug/L	0.6	0.37%
Mo 202.031†	-20.3	-4.34	ug/L	3.313	-4.34	ug/L	3.313	76.42%
Na 589.592†	23423.2	2060	ug/L	10.1	2060	ug/L	10.1	0.49%
Ni 231.604†	94.3	9.44	ug/L	0.370	9.44	ug/L	0.370	3.92%
Pb 220.353†	130.6	172	ug/L	2.7	172	ug/L	2.7	1.54%
Sb 206.836†	26.0	-21.0	ug/L	4.85	-21.0	ug/L	4.85	23.10%
Se 196.026†	-6.1	-0.356	ug/L	6.3088	-0.356	ug/L	6.3088	>999.9%
Sn 189.927†	-13.0	11.6	ug/L	2.84	11.6	ug/L	2.84	24.53%
Sr 421.552†	1249063.7	1670	ug/L	8.5	1670	ug/L	8.5	0.51%
Ti 334.940†	64156.4	139	ug/L	1.4	139	ug/L	1.4	1.01%
Tl 190.801†	2.0	0.170	ug/L	1.4130	0.170	ug/L	1.4130	832.57%
V 292.402†	1030.4	39.5	ug/L	0.17	39.5	ug/L	0.17	0.42%
Zn 206.200†	8538.9	571	ug/L	6.0	571	ug/L	6.0	1.06%

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Sequence No.: 39 **Autosampler Location: 52**
Sample ID: 250682915 **Date Collected: 6/14/2007 1:23:47 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250682915

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1550166.4	98.8	%	0.36				0.36%
Sc Radial	199210.6	101	%	0.3				0.33%
Ag 328.068†	-495.7	-0.112	ug/L	0.1096	-0.112	ug/L	0.1096	97.46%
Al 308.215†	23212.3	8670	ug/L	38.1	8670	ug/L	38.1	0.44%
As 188.979†	3.2	-16.4	ug/L	3.46	-16.4	ug/L	3.46	21.07%
Ba 233.527†	4893.5	41.1	ug/L	0.17	41.1	ug/L	0.17	0.42%
Be 234.861†	259.7	0.874	ug/L	0.0150	0.874	ug/L	0.0150	1.72%
Ca 315.887†	5463364.7	529000	ug/L	599.3	529000	ug/L	599.3	0.11%
Cd 226.502†	189.7	-68.7	ug/L	1.02	-68.7	ug/L	1.02	1.49%
Co 228.616†	72.5	1.97	ug/L	0.126	1.97	ug/L	0.126	6.38%
Cr 267.716†	2082.0	70.6	ug/L	0.64	70.6	ug/L	0.64	0.90%
Cu 324.752†	23346.3	89.5	ug/L	0.24	89.5	ug/L	0.24	0.27%
Fe 259.939†	214375.4	16300	ug/L	23.3	16300	ug/L	23.3	0.14%
K 766.490†	1468.5	367	ug/L	1.7	367	ug/L	1.7	0.46%
Li 460.286†	1719.5	12.8	ug/L	3.58	12.8	ug/L	3.58	27.97%
Mg 279.077†	41851.6	4200	ug/L	27.9	4200	ug/L	27.9	0.66%
Mn 257.610†	82328.7	157	ug/L	0.4	157	ug/L	0.4	0.23%
Mo 202.031†	-22.6	-4.82	ug/L	0.633	-4.82	ug/L	0.633	13.13%
Na 589.592†	27269.0	2400	ug/L	10.5	2400	ug/L	10.5	0.44%
Ni 231.604†	79.2	7.85	ug/L	1.520	7.85	ug/L	1.520	19.37%
Pb 220.353†	54.7	96.6	ug/L	7.91	96.6	ug/L	7.91	8.19%
Sb 206.836†	25.5	-12.9	ug/L	0.70	-12.9	ug/L	0.70	5.42%
Se 196.026†	-21.7	-14.1	ug/L	1.02	-14.1	ug/L	1.02	7.24%
Sn 189.927†	-18.0	3.84	ug/L	0.570	3.84	ug/L	0.570	14.85%
Sr 421.552†	1340726.5	1790	ug/L	2.7	1790	ug/L	2.7	0.15%
Ti 334.940†	146125.1	318	ug/L	0.5	318	ug/L	0.5	0.17%
Tl 190.801†	-1.9	-2.56	ug/L	5.209	-2.56	ug/L	5.209	203.17%
V 292.402†	1000.3	38.5	ug/L	0.39	38.5	ug/L	0.39	1.02%
Zn 206.200†	3503.6	240	ug/L	1.1	240	ug/L	1.1	0.46%

Sequence No.: 40
Sample ID: 250682901
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 53
Date Collected: 6/14/2007 1:27:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250682901

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1524523.5	97.2	%	0.21				0.22%
Sc Radial	196669.5	99.9	%	0.37				0.37%
Ag 328.068†	-689.2	-0.306	ug/L	0.2263	-0.306	ug/L	0.2263	74.01%
Al 308.215†	17682.9	6600	ug/L	25.8	6600	ug/L	25.8	0.39%
As 188.979†	22.2	-16.8	ug/L	4.41	-16.8	ug/L	4.41	26.21%
Ba 233.527†	4712.3	38.4	ug/L	0.11	38.4	ug/L	0.11	0.28%
Be 234.861†	247.4	0.785	ug/L	0.0818	0.785	ug/L	0.0818	10.42%
Ca 315.887†	9420498.6	913000	ug/L	5571.2	913000	ug/L	5571.2	0.61%
Cd 226.502†	183.0	-135	ug/L	1.6	-135	ug/L	1.6	1.18%
Co 228.616†	51.1	1.50	ug/L	0.215	1.50	ug/L	0.215	14.32%
Cr 267.716†	2191.9	74.4	ug/L	0.21	74.4	ug/L	0.21	0.28%
Cu 324.752†	25840.1	104	ug/L	0.2	104	ug/L	0.2	0.17%
Fe 259.939†	220607.3	16800	ug/L	20.2	16800	ug/L	20.2	0.12%
K 766.490†	1134.0	288	ug/L	10.1	288	ug/L	10.1	3.51%
Li 460.286†	2155.4	19.6	ug/L	2.91	19.6	ug/L	2.91	14.88%
Mg 279.077†	80675.8	8090	ug/L	24.4	8090	ug/L	24.4	0.30%
Mn 257.610†	110406.0	211	ug/L	0.1	211	ug/L	0.1	0.03%
Mo 202.031†	-17.5	-3.42	ug/L	1.006	-3.42	ug/L	1.006	29.43%
Na 589.592†	34594.5	3040	ug/L	7.6	3040	ug/L	7.6	0.25%
Ni 231.604†	60.5	5.93	ug/L	0.430	5.93	ug/L	0.430	7.25%
Pb 220.353†	42.9	132	ug/L	2.0	132	ug/L	2.0	1.49%
Sb 206.836†	24.5	-27.6	ug/L	1.24	-27.6	ug/L	1.24	4.50%
Se 196.026†	-18.9	-11.2	ug/L	1.84	-11.2	ug/L	1.84	16.49%
Sn 189.927†	-16.7	13.0	ug/L	4.31	13.0	ug/L	4.31	33.10%
Sr 421.552†	2086173.8	2790	ug/L	15.0	2790	ug/L	15.0	0.54%
Ti 334.940†	42341.2	92.1	ug/L	0.07	92.1	ug/L	0.07	0.08%
Tl 190.801†	-5.3	-5.08	ug/L	3.389	-5.08	ug/L	3.389	66.68%
V 292.402†	1566.2	59.7	ug/L	0.69	59.7	ug/L	0.69	1.16%
Zn 206.200†	2347.8	176	ug/L	0.6	176	ug/L	0.6	0.36%

Sequence No.: 41
Sample ID: 250682902
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 54
Date Collected: 6/14/2007 1:31:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250682902

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1531222.4	97.6	%	0.15				0.16%
Sc Radial	198108.6	101	%	0.5				0.50%
Ag 328.068†	-701.0	0.417	ug/L	0.2481	0.417	ug/L	0.2481	59.46%
Al 308.215†	15204.9	5680	ug/L	4.1	5680	ug/L	4.1	0.07%
As 188.979†	-7.2	-46.1	ug/L	3.23	-46.1	ug/L	3.23	7.00%
Ba 233.527†	4751.3	38.1	ug/L	0.20	38.1	ug/L	0.20	0.51%
Be 234.861†	225.5	0.666	ug/L	0.0632	0.666	ug/L	0.0632	9.49%
Ca 315.887†	11618291.6	1130000	ug/L	5899.5	1130000	ug/L	5899.5	0.52%
Cd 226.502†	378.0	-148	ug/L	0.7	-148	ug/L	0.7	0.48%
Co 228.616†	98.5	3.55	ug/L	0.207	3.55	ug/L	0.207	5.84%
Cr 267.716†	2748.6	93.4	ug/L	0.52	93.4	ug/L	0.52	0.56%
Cu 324.752†	22708.8	96.1	ug/L	0.31	96.1	ug/L	0.31	0.33%
Fe 259.939†	219904.2	16800	ug/L	80.3	16800	ug/L	80.3	0.48%
K 766.490†	1432.4	359	ug/L	12.2	359	ug/L	12.2	3.40%
Li 460.286†	2305.2	18.1	ug/L	4.09	18.1	ug/L	4.09	22.58%
Mg 279.077†	100894.6	10100	ug/L	72.8	10100	ug/L	72.8	0.72%
Mn 257.610†	107136.0	205	ug/L	0.2	205	ug/L	0.2	0.10%
Mo 202.031†	-6.0	-0.308	ug/L	3.3504	-0.308	ug/L	3.3504	>999.9%
Na 589.592†	23448.9	2060	ug/L	6.0	2060	ug/L	6.0	0.29%
Ni 231.604†	74.8	7.39	ug/L	0.749	7.39	ug/L	0.749	10.13%
Pb 220.353†	153.4	231	ug/L	1.9	231	ug/L	1.9	0.84%
Sb 206.836†	30.7	-32.6	ug/L	1.01	-32.6	ug/L	1.01	3.11%
Se 196.026†	-9.2	-1.72	ug/L	5.125	-1.72	ug/L	5.125	298.09%
Sn 189.927†	-20.9	15.4	ug/L	4.54	15.4	ug/L	4.54	29.38%
Sr 421.552†	1458545.4	1940	ug/L	7.3	1940	ug/L	7.3	0.38%
Ti 334.940†	37491.5	81.5	ug/L	0.40	81.5	ug/L	0.40	0.49%
Tl 190.801†	4.6	1.66	ug/L	3.609	1.66	ug/L	3.609	217.52%
V 292.402†	1227.1	47.2	ug/L	0.34	47.2	ug/L	0.34	0.72%
Zn 206.200†	11319.1	761	ug/L	3.4	761	ug/L	3.4	0.45%

Sequence No.: 42
Sample ID: 250682903
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 55
Date Collected: 6/14/2007 1:36:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250682903

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1527284.5	97.3	%	0.33				0.34%
Sc Radial	193458.9	98.3	%	0.37				0.38%
Ag 328.068†	-580.5	-0.114	ug/L	0.1703	-0.114	ug/L	0.1703	150.03%
Al 308.215†	13801.1	5150	ug/L	24.5	5150	ug/L	24.5	0.48%
As 188.979†	-5.2	-30.0	ug/L	6.04	-30.0	ug/L	6.04	20.10%
Ba 233.527†	5904.7	49.3	ug/L	0.16	49.3	ug/L	0.16	0.33%
Be 234.861†	190.9	0.523	ug/L	0.0304	0.523	ug/L	0.0304	5.80%
Ca 315.887†	7558646.2	732000	ug/L	2748.2	732000	ug/L	2748.2	0.38%
Cd 226.502†	331.7	-86.6	ug/L	1.40	-86.6	ug/L	1.40	1.61%
Co 228.616†	73.7	2.54	ug/L	0.048	2.54	ug/L	0.048	1.88%
Cr 267.716†	2776.0	94.3	ug/L	0.33	94.3	ug/L	0.33	0.35%
Cu 324.752†	21596.3	86.4	ug/L	0.25	86.4	ug/L	0.25	0.29%
Fe 259.939†	205210.0	15600	ug/L	69.5	15600	ug/L	69.5	0.44%
K 766.490†	1004.9	258	ug/L	15.1	258	ug/L	15.1	5.84%
Li 460.286†	1783.9	9.49	ug/L	4.071	9.49	ug/L	4.071	42.91%
Mg 279.077†	60157.3	6030	ug/L	45.5	6030	ug/L	45.5	0.76%
Mn 257.610†	92251.2	176	ug/L	0.3	176	ug/L	0.3	0.20%
Mo 202.031†	-16.1	-3.10	ug/L	2.060	-3.10	ug/L	2.060	66.38%
Na 589.592†	35992.9	3170	ug/L	20.0	3170	ug/L	20.0	0.63%
Ni 231.604†	56.8	5.58	ug/L	0.290	5.58	ug/L	0.290	5.21%
Pb 220.353†	106.6	154	ug/L	4.4	154	ug/L	4.4	2.83%
Sb 206.836†	28.5	-19.4	ug/L	5.86	-19.4	ug/L	5.86	30.18%
Se 196.026†	-17.1	-10.1	ug/L	2.13	-10.1	ug/L	2.13	21.07%
Sn 189.927†	-19.2	7.29	ug/L	0.533	7.29	ug/L	0.533	7.31%
Sr 421.552†	1702403.2	2280	ug/L	9.1	2280	ug/L	9.1	0.40%
Ti 334.940†	35503.3	77.2	ug/L	0.10	77.2	ug/L	0.10	0.14%
Tl 190.801†	5.8	2.62	ug/L	6.359	2.62	ug/L	6.359	242.95%
V 292.402†	976.2	37.8	ug/L	0.25	37.8	ug/L	0.25	0.67%
Zn 206.200†	7468.7	502	ug/L	0.6	502	ug/L	0.6	0.13%

User canceled analysis.

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Analysis Begun

Start Time: 6/14/2007 1:39:50 PM **Plasma On Time: 6/14/2007 8:20:09 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\administrator\Sample Information\061407A.sif
Batch ID: 061407A
Results Data Set: 061407A-R1
Results Library: D:\pe\administrator\Results\Results.mdb
User canceled analysis.

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Analysis Begun

Start Time: 6/14/2007 1:40:14 PM **Plasma On Time: 6/14/2007 8:20:09 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\administrator\Sample Information\061407A.sif
Batch ID: 061407A
Results Data Set: 061407A-R1
Results Library: D:\pe\administrator\Results\Results.mdb

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Sequence No.: 42 **Autosampler Location: 56**
Sample ID: 250682904 **Date Collected: 6/14/2007 1:40:14 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250682904

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1484511.8	94.6	%	0.55				0.58%
Sc Radial	191268.8	97.2	%	0.57				0.59%
Ag 328.068†	-662.0	1.53	ug/L	0.180	1.53	ug/L	0.180	11.78%
Al 308.215†	16239.0	6060	ug/L	27.3	6060	ug/L	27.3	0.45%
As 188.979†	-11.0	-57.9	ug/L	2.37	-57.9	ug/L	2.37	4.10%
Ba 233.527†	8658.2	71.2	ug/L	0.53	71.2	ug/L	0.53	0.74%
Be 234.861†	193.7	0.643	ug/L	0.0307	0.643	ug/L	0.0307	4.78%
Ca 315.887†	14030705.4	1360000	ug/L	8542.7	1360000	ug/L	8542.7	0.63%
Cd 226.502†	641.0	-157	ug/L	1.9	-157	ug/L	1.9	1.19%
Co 228.616†	76.9	2.78	ug/L	0.213	2.78	ug/L	0.213	7.67%
Cr 267.716†	3250.0	111	ug/L	0.7	111	ug/L	0.7	0.65%
Cu 324.752†	31743.5	131	ug/L	0.5	131	ug/L	0.5	0.36%
Fe 259.939†	173831.0	13200	ug/L	65.5	13200	ug/L	65.5	0.49%
K 766.490†	1371.7	344	ug/L	18.0	344	ug/L	18.0	5.22%
Li 460.286†	2285.0	20.1	ug/L	1.12	20.1	ug/L	1.12	5.60%
Mg 279.077†	138711.6	13900	ug/L	64.8	13900	ug/L	64.8	0.47%
Mn 257.610†	111680.6	213	ug/L	0.6	213	ug/L	0.6	0.30%
Mo 202.031†	-12.0	-2.12	ug/L	2.520	-2.12	ug/L	2.520	119.16%
Na 589.592†	19636.6	1730	ug/L	4.5	1730	ug/L	4.5	0.26%
Ni 231.604†	97.3	9.75	ug/L	0.798	9.75	ug/L	0.798	8.19%
Pb 220.353†	254.6	325	ug/L	3.0	325	ug/L	3.0	0.91%
Sb 206.836†	22.8	-45.0	ug/L	1.25	-45.0	ug/L	1.25	2.78%
Se 196.026†	-14.4	-8.89	ug/L	8.482	-8.89	ug/L	8.482	95.44%
Sn 189.927†	-2.6	32.2	ug/L	4.08	32.2	ug/L	4.08	12.66%
Sr 421.552†	1554619.1	2070	ug/L	8.6	2070	ug/L	8.6	0.41%
Ti 334.940†	36450.0	79.2	ug/L	0.18	79.2	ug/L	0.18	0.23%
Tl 190.801†	3.3	0.854	ug/L	6.4126	0.854	ug/L	6.4126	750.71%
V 292.402†	1499.8	56.9	ug/L	0.33	56.9	ug/L	0.33	0.59%
Zn 206.200†	15483.0	1040	ug/L	6.9	1040	ug/L	6.9	0.66%

Sequence No.: 43 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 6/14/2007 1:44:34 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1400673.1	89.3	%	0.48				0.54%
Sc Radial	177508.3	90.2	%	0.18				0.20%
Ag 328.068†	61035.9	557	ug/L	1.7	557	ug/L	1.7	0.30%
QC value greater than the upper limit for Ag 328.068 Recovery = 111.48%								
Al 308.215†	75277.0	28100	ug/L	79.4	28100	ug/L	79.4	0.28%
QC value greater than the upper limit for Al 308.215 Recovery = 112.41%								
As 188.979†	743.8	550	ug/L	6.9	550	ug/L	6.9	1.25%
QC value within limits for As 188.979 Recovery = 109.99%								
Ba 233.527†	64803.6	562	ug/L	2.6	562	ug/L	2.6	0.46%
QC value greater than the upper limit for Ba 233.527 Recovery = 112.30%								
Be 234.861†	101563.3	561	ug/L	1.3	561	ug/L	1.3	0.23%
QC value greater than the upper limit for Be 234.861 Recovery = 112.11%								
Ca 315.887†	295124.7	28600	ug/L	97.7	28600	ug/L	97.7	0.34%
QC value greater than the upper limit for Ca 315.887 Recovery = 114.36%								
Cd 226.502†	4800.2	551	ug/L	6.1	551	ug/L	6.1	1.12%
QC value greater than the upper limit for Cd 226.502 Recovery = 110.17%								
Co 228.616†	12953.9	553	ug/L	4.7	553	ug/L	4.7	0.86%
QC value greater than the upper limit for Co 228.616 Recovery = 110.62%								
Cr 267.716†	16588.3	566	ug/L	5.0	566	ug/L	5.0	0.89%
QC value greater than the upper limit for Cr 267.716 Recovery = 113.24%								
Cu 324.752†	154846.7	540	ug/L	2.1	540	ug/L	2.1	0.40%
QC value within limits for Cu 324.752 Recovery = 108.01%								
Fe 259.939†	596612.5	45500	ug/L	221.7	45500	ug/L	221.7	0.49%
QC value greater than the upper limit for Fe 259.939 Recovery = 113.63%								
K 766.490†	119820.9	28300	ug/L	103.9	28300	ug/L	103.9	0.37%
QC value greater than the upper limit for K 766.490 Recovery = 113.05%								
Li 460.286†	79865.8	5460	ug/L	35.8	5460	ug/L	35.8	0.66%
Mg 279.077†	287214.2	28800	ug/L	32.8	28800	ug/L	32.8	0.11%
QC value greater than the upper limit for Mg 279.077 Recovery = 115.12%								
Mn 257.610†	296667.8	567	ug/L	3.1	567	ug/L	3.1	0.55%
QC value greater than the upper limit for Mn 257.610 Recovery = 113.49%								
Mo 202.031†	2005.9	547	ug/L	6.8	547	ug/L	6.8	1.25%
QC value within limits for Mo 202.031 Recovery = 109.43%								
Na 589.592†	306050.6	27000	ug/L	77.5	27000	ug/L	77.5	0.29%
QC value within limits for Na 589.592 Recovery = 107.80%								
Ni 231.604†	5479.7	559	ug/L	6.3	559	ug/L	6.3	1.13%
QC value greater than the upper limit for Ni 231.604 Recovery = 111.79%								
Pb 220.353†	832.0	558	ug/L	4.2	558	ug/L	4.2	0.74%
QC value greater than the upper limit for Pb 220.353 Recovery = 111.66%								
Sb 206.836†	1150.6	545	ug/L	9.9	545	ug/L	9.9	1.81%
QC value within limits for Sb 206.836 Recovery = 108.96%								
Se 196.026†	560.5	571	ug/L	7.0	571	ug/L	7.0	1.22%
QC value greater than the upper limit for Se 196.026 Recovery = 114.18%								
Sn 189.927†	698.4	433	ug/L	7.1	433	ug/L	7.1	1.63%
QC value within limits for Sn 189.927 Recovery = 108.36%								
Sr 421.552†	337727.7	454	ug/L	1.7	454	ug/L	1.7	0.37%
QC value greater than the upper limit for Sr 421.552 Recovery = 113.48%								
Ti 334.940†	207539.6	451	ug/L	2.7	451	ug/L	2.7	0.59%
QC value greater than the upper limit for Ti 334.940 Recovery = 112.82%								
Tl 190.801†	819.3	539	ug/L	5.5	539	ug/L	5.5	1.01%
QC value within limits for Tl 190.801 Recovery = 107.82%								
V 292.402†	15243.1	575	ug/L	2.2	575	ug/L	2.2	0.38%
QC value greater than the upper limit for V 292.402 Recovery = 114.99%								
Zn 206.200†	8681.6	562	ug/L	4.5	562	ug/L	4.5	0.80%
QC value greater than the upper limit for Zn 206.200 Recovery = 112.34%								

QC Failed. Retry.

Sequence No.: 44 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 6/14/2007 1:47:07 PM**

Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
User canceled analysis.

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Analysis Begun

Start Time: 6/14/2007 1:49:04 PM **Plasma On Time: 6/14/2007 8:20:09 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\administrator\Sample Information\061407A.sif
Batch ID: 061407A
Results Data Set: 061407A-R1
Results Library: D:\pe\administrator\Results\Results.mdb

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Sequence No.: 44 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 6/14/2007 1:49:04 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1592500.0	101	%	0.0				0.05%
Sc Radial	202661.1	103	%	0.7				0.66%
Ag 328.068†	52623.4	481	ug/L	2.3	481	ug/L	2.3	0.48%
QC value within limits for Ag 328.068 Recovery = 96.14%								
Al 308.215†	62904.8	23500	ug/L	49.7	23500	ug/L	49.7	0.21%
QC value within limits for Al 308.215 Recovery = 93.94%								
As 188.979†	633.9	469	ug/L	1.4	469	ug/L	1.4	0.30%
QC value within limits for As 188.979 Recovery = 93.71%								
Ba 233.527†	55153.6	478	ug/L	0.7	478	ug/L	0.7	0.15%
QC value within limits for Ba 233.527 Recovery = 95.58%								
Be 234.861†	85587.4	472	ug/L	4.5	472	ug/L	4.5	0.95%
QC value within limits for Be 234.861 Recovery = 94.48%								
Ca 315.887†	244001.8	23600	ug/L	102.5	23600	ug/L	102.5	0.43%
QC value within limits for Ca 315.887 Recovery = 94.55%								
Cd 226.502†	4099.9	471	ug/L	1.3	471	ug/L	1.3	0.28%
QC value within limits for Cd 226.502 Recovery = 94.15%								
Co 228.616†	11043.8	472	ug/L	1.2	472	ug/L	1.2	0.26%
QC value within limits for Co 228.616 Recovery = 94.31%								
Cr 267.716†	14031.0	479	ug/L	1.3	479	ug/L	1.3	0.27%
QC value within limits for Cr 267.716 Recovery = 95.76%								
Cu 324.752†	130353.3	455	ug/L	0.6	455	ug/L	0.6	0.14%
QC value within limits for Cu 324.752 Recovery = 90.91%								
Fe 259.939†	497720.5	37900	ug/L	126.2	37900	ug/L	126.2	0.33%
QC value within limits for Fe 259.939 Recovery = 94.80%								
K 766.490†	101326.4	23900	ug/L	85.5	23900	ug/L	85.5	0.36%
QC value within limits for K 766.490 Recovery = 95.61%								
Li 460.286†	67322.2	4610	ug/L	3.3	4610	ug/L	3.3	0.07%
Mg 279.077†	241584.3	24200	ug/L	176.5	24200	ug/L	176.5	0.73%
QC value within limits for Mg 279.077 Recovery = 96.83%								
Mn 257.610†	250838.4	480	ug/L	0.8	480	ug/L	0.8	0.16%
QC value within limits for Mn 257.610 Recovery = 95.95%								
Mo 202.031†	1701.8	464	ug/L	1.1	464	ug/L	1.1	0.23%
QC value within limits for Mo 202.031 Recovery = 92.85%								
Na 589.592†	258259.0	22700	ug/L	82.1	22700	ug/L	82.1	0.36%
QC value within limits for Na 589.592 Recovery = 90.97%								
Ni 231.604†	4661.3	475	ug/L	1.4	475	ug/L	1.4	0.30%
QC value within limits for Ni 231.604 Recovery = 95.10%								
Pb 220.353†	706.1	474	ug/L	0.9	474	ug/L	0.9	0.20%
QC value within limits for Pb 220.353 Recovery = 94.79%								
Sb 206.836†	981.2	464	ug/L	2.7	464	ug/L	2.7	0.57%
QC value within limits for Sb 206.836 Recovery = 92.78%								
Se 196.026†	483.7	492	ug/L	3.0	492	ug/L	3.0	0.62%
QC value within limits for Se 196.026 Recovery = 98.32%								
Sn 189.927†	597.4	371	ug/L	1.7	371	ug/L	1.7	0.46%

```
   QC value within limits for Sn 189.927  Recovery = 92.75%
Sr 421.552†          282343.8         379 ug/L          1.4         379 ug/L          1.4   0.38%
   QC value within limits for Sr 421.552  Recovery = 94.87%
Ti 334.940†          175002.8         381 ug/L          0.7         381 ug/L          0.7   0.18%
   QC value within limits for Ti 334.940  Recovery = 95.13%
Tl 190.801†             703.3         463 ug/L          5.7         463 ug/L          5.7   1.22%
   QC value within limits for Tl 190.801  Recovery = 92.59%
V 292.402†            12902.9         487 ug/L          2.1         487 ug/L          2.1   0.43%
   QC value within limits for V 292.402  Recovery = 97.32%
Zn 206.200†            7390.5         478 ug/L          1.3         478 ug/L          1.3   0.27%
   QC value within limits for Zn 206.200  Recovery = 95.62%
All analyte(s) passed QC.
```

Sequence No.: 45 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 6/14/2007 1:53:03 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1608112.2	102	%	0.2				0.21%
Sc Radial	199878.2	102	%	0.3				0.32%
Ag 328.068†	-250.6	-0.845	ug/L	0.1682	-0.845	ug/L	0.1682	19.90%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-1.5	-1.56	ug/L	4.503	-1.56	ug/L	4.503	289.13%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-0.9	-1.20	ug/L	1.455	-1.20	ug/L	1.455	121.12%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	41.4	0.521	ug/L	0.0378	0.521	ug/L	0.0378	7.26%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-8.3	0.098	ug/L	0.0116	0.098	ug/L	0.0116	11.89%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	549.5	50.0	ug/L	0.65	50.0	ug/L	0.65	1.30%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	3.4	0.823	ug/L	0.3149	0.823	ug/L	0.3149	38.27%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	3.8	0.127	ug/L	0.2170	0.127	ug/L	0.2170	171.34%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	0.7	-0.517	ug/L	0.1305	-0.517	ug/L	0.1305	25.22%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	41.7	-0.052	ug/L	0.1226	-0.052	ug/L	0.1226	236.24%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	271.9	21.7	ug/L	0.49	21.7	ug/L	0.49	2.24%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-17.3	16.9	ug/L	8.40	16.9	ug/L	8.40	49.55%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	10.5	2.40	ug/L	1.995	2.40	ug/L	1.995	83.24%
Mg 279.077†	127.6	13.4	ug/L	1.20	13.4	ug/L	1.20	9.00%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	471.5	0.452	ug/L	0.0329	0.452	ug/L	0.0329	7.27%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-0.8	0.266	ug/L	0.7880	0.266	ug/L	0.7880	296.18%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	177.1	11.4	ug/L	3.18	11.4	ug/L	3.18	27.88%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	7.3	0.835	ug/L	0.5539	0.835	ug/L	0.5539	66.30%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-4.1	-1.96	ug/L	2.281	-1.96	ug/L	2.281	116.26%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	7.7	-1.71	ug/L	1.051	-1.71	ug/L	1.051	61.63%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-3.3	-5.46	ug/L	2.286	-5.46	ug/L	2.286	41.83%
QC value less than the lower limit for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-1.2	1.05	ug/L	0.889	1.05	ug/L	0.889	85.09%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	83.5	0.081	ug/L	0.0211	0.081	ug/L	0.0211	26.10%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	114.5	0.230	ug/L	0.0188	0.230	ug/L	0.0188	8.18%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	1.2	0.729	ug/L	2.0563	0.729	ug/L	2.0563	282.04%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-2.5	-0.309	ug/L	0.0862	-0.309	ug/L	0.0862	27.91%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	91.5	5.61	ug/L	0.168	5.61	ug/L	0.168	2.99%
QC value greater than the upper limit for Zn 206.200 Recovery = Not calculated								

QC Failed. Retry.

Sequence No.: 46 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 6/14/2007 1:56:02 PM**

Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1598166.7	102	%	0.3				0.30%
Sc Radial	200574.2	102	%	0.2				0.20%
Ag 328.068†	-276.7	-1.08	ug/L	0.143	-1.08	ug/L	0.143	13.22%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-3.0	-2.11	ug/L	3.574	-2.11	ug/L	3.574	169.06%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	0.5	-0.182	ug/L	1.4516	-0.182	ug/L	1.4516	796.64%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	34.2	0.459	ug/L	0.0523	0.459	ug/L	0.0523	11.40%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-11.0	0.083	ug/L	0.0121	0.083	ug/L	0.0121	14.56%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	518.4	47.0	ug/L	2.07	47.0	ug/L	2.07	4.40%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	4.5	0.949	ug/L	0.2322	0.949	ug/L	0.2322	24.47%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-1.3	-0.092	ug/L	0.0787	-0.092	ug/L	0.0787	85.32%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-3.9	-0.675	ug/L	0.4830	-0.675	ug/L	0.4830	71.56%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	75.7	0.066	ug/L	0.1513	0.066	ug/L	0.1513	229.18%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	255.9	20.5	ug/L	1.33	20.5	ug/L	1.33	6.48%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-22.9	15.6	ug/L	11.90	15.6	ug/L	11.90	76.14%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	-13.5	0.691	ug/L	0.3893	0.691	ug/L	0.3893	56.37%
Mg 279.077†	116.6	12.3	ug/L	0.15	12.3	ug/L	0.15	1.19%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	473.6	0.456	ug/L	0.0215	0.456	ug/L	0.0215	4.72%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	1.5	0.893	ug/L	1.6127	0.893	ug/L	1.6127	180.68%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	155.6	9.53	ug/L	1.832	9.53	ug/L	1.832	19.23%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	7.7	0.875	ug/L	0.0700	0.875	ug/L	0.0700	8.00%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-8.8	-5.07	ug/L	2.204	-5.07	ug/L	2.204	43.44%
QC value less than the lower limit for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	9.0	-1.05	ug/L	1.078	-1.05	ug/L	1.078	102.46%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	1.5	-0.705	ug/L	7.6022	-0.705	ug/L	7.6022	>999.9%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	1.5	2.72	ug/L	0.708	2.72	ug/L	0.708	26.06%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	50.9	0.037	ug/L	0.0179	0.037	ug/L	0.0179	48.37%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	111.8	0.224	ug/L	0.0210	0.224	ug/L	0.0210	9.36%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-0.2	-0.269	ug/L	0.6012	-0.269	ug/L	0.6012	223.32%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	1.7	-0.148	ug/L	0.2376	-0.148	ug/L	0.2376	160.79%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	88.2	5.40	ug/L	0.153	5.40	ug/L	0.153	2.83%
QC value greater than the upper limit for Zn 206.200 Recovery = Not calculated								

QC Failed. Continue with analysis.

Sequence No.: 47
Sample ID: 250682905
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 57
Date Collected: 6/14/2007 2:00:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250682905

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1563441.4	99.6	%	0.33				0.33%
Sc Radial	198615.5	101	%	0.5				0.54%
Ag 328.068†	-116.8	3.30	ug/L	0.113	3.30	ug/L	0.113	3.43%
Al 308.215†	14607.5	5450	ug/L	6.7	5450	ug/L	6.7	0.12%
As 188.979†	1.2	-11.4	ug/L	1.83	-11.4	ug/L	1.83	16.02%
Ba 233.527†	7437.6	63.6	ug/L	0.27	63.6	ug/L	0.27	0.42%
Be 234.861†	255.5	0.440	ug/L	0.0825	0.440	ug/L	0.0825	18.77%
Ca 315.887†	4181874.8	405000	ug/L	2033.3	405000	ug/L	2033.3	0.50%
Cd 226.502†	351.9	-29.5	ug/L	0.79	-29.5	ug/L	0.79	2.68%
Co 228.616†	77.4	2.32	ug/L	0.172	2.32	ug/L	0.172	7.43%
Cr 267.716†	7441.4	253	ug/L	0.9	253	ug/L	0.9	0.34%
Cu 324.752†	35686.7	131	ug/L	0.2	131	ug/L	0.2	0.15%
Fe 259.939†	338574.2	25800	ug/L	138.8	25800	ug/L	138.8	0.54%
K 766.490†	1575.8	392	ug/L	8.7	392	ug/L	8.7	2.23%
Li 460.286†	2165.8	6.28	ug/L	1.045	6.28	ug/L	1.045	16.64%
Mg 279.077†	40038.5	4020	ug/L	27.2	4020	ug/L	27.2	0.68%
Mn 257.610†	77831.0	149	ug/L	0.1	149	ug/L	0.1	0.09%
Mo 202.031†	-17.9	-3.06	ug/L	0.614	-3.06	ug/L	0.614	20.06%
Na 589.592†	29835.8	2620	ug/L	5.3	2620	ug/L	5.3	0.20%
Ni 231.604†	115.8	11.4	ug/L	0.64	11.4	ug/L	0.64	5.63%
Pb 220.353†	138.4	137	ug/L	4.0	137	ug/L	4.0	2.95%
Sb 206.836†	41.0	-3.52	ug/L	0.637	-3.52	ug/L	0.637	18.07%
Se 196.026†	-19.0	-5.92	ug/L	3.710	-5.92	ug/L	3.710	62.68%
Sn 189.927†	-3.3	9.50	ug/L	1.102	9.50	ug/L	1.102	11.60%
Sr 421.552†	1307991.2	1750	ug/L	6.4	1750	ug/L	6.4	0.37%
Ti 334.940†	55525.0	121	ug/L	0.1	121	ug/L	0.1	0.08%
Tl 190.801†	1.8	-0.569	ug/L	0.3858	-0.569	ug/L	0.3858	67.80%
V 292.402†	600.7	25.3	ug/L	0.26	25.3	ug/L	0.26	1.03%
Zn 206.200†	22096.6	1440	ug/L	3.0	1440	ug/L	3.0	0.21%

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Sequence No.: 48 **Autosampler Location: 62**
Sample ID: 244001 **Date Collected: 6/14/2007 2:04:23 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 244001

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1628444.6	104	%	0.5				0.50%
Sc Radial	206098.7	105	%	0.3				0.33%
Ag 328.068†	-283.8	-1.15	ug/L	0.345	-1.15	ug/L	0.345	30.11%
Al 308.215†	-11.6	-5.33	ug/L	3.085	-5.33	ug/L	3.085	57.91%
As 188.979†	-0.1	-0.593	ug/L	0.6760	-0.593	ug/L	0.6760	114.00%
Ba 233.527†	-23.8	-0.044	ug/L	0.0342	-0.044	ug/L	0.0342	77.84%
Be 234.861†	-27.2	-0.006	ug/L	0.0100	-0.006	ug/L	0.0100	164.54%
Ca 315.887†	259.8	22.0	ug/L	1.96	22.0	ug/L	1.96	8.92%
Cd 226.502†	-1.4	0.266	ug/L	0.7133	0.266	ug/L	0.7133	268.17%
Co 228.616†	-0.4	-0.055	ug/L	0.1601	-0.055	ug/L	0.1601	293.12%
Cr 267.716†	-0.5	-0.559	ug/L	0.3762	-0.559	ug/L	0.3762	67.27%
Cu 324.752†	34.8	-0.077	ug/L	0.0747	-0.077	ug/L	0.0747	97.16%
Fe 259.939†	70.5	6.38	ug/L	0.637	6.38	ug/L	0.637	9.99%
K 766.490†	-69.1	4.72	ug/L	2.547	4.72	ug/L	2.547	53.93%
Li 460.286†	-58.3	-2.43	ug/L	2.469	-2.43	ug/L	2.469	101.74%
Mg 279.077†	3.3	0.907	ug/L	0.7436	0.907	ug/L	0.7436	81.97%
Mn 257.610†	48.4	-0.359	ug/L	0.0257	-0.359	ug/L	0.0257	7.17%
Mo 202.031†	-0.4	0.360	ug/L	0.3576	0.360	ug/L	0.3576	99.43%
Na 589.592†	5.0	-3.74	ug/L	2.856	-3.74	ug/L	2.856	76.40%
Ni 231.604†	-4.0	-0.318	ug/L	0.4183	-0.318	ug/L	0.4183	131.73%
Pb 220.353†	2.1	2.20	ug/L	3.255	2.20	ug/L	3.255	148.23%
Sb 206.836†	8.1	-1.49	ug/L	2.309	-1.49	ug/L	2.309	154.69%
Se 196.026†	1.1	-1.17	ug/L	2.703	-1.17	ug/L	2.703	231.57%
Sn 189.927†	-2.9	-0.022	ug/L	1.4670	-0.022	ug/L	1.4670	>999.9%
Sr 421.552†	96.1	0.098	ug/L	0.0302	0.098	ug/L	0.0302	30.72%
Ti 334.940†	105.3	0.210	ug/L	0.0334	0.210	ug/L	0.0334	15.86%
Tl 190.801†	1.6	0.968	ug/L	3.9630	0.968	ug/L	3.9630	409.27%
V 292.402†	1.8	-0.152	ug/L	0.1206	-0.152	ug/L	0.1206	79.36%
Zn 206.200†	11.4	0.437	ug/L	0.2787	0.437	ug/L	0.2787	63.76%

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Sequence No.: 49
Sample ID: 244002
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 63
Date Collected: 6/14/2007 2:08:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 244002

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1575879.6	100	%	0.7				0.70%
Sc Radial	200030.7	102	%	1.6				1.54%
Ag 328.068†	21378.3	198	ug/L	1.2	198	ug/L	1.2	0.60%
Al 308.215†	135077.1	50400	ug/L	899.5	50400	ug/L	899.5	1.78%
As 188.979†	654.8	484	ug/L	1.8	484	ug/L	1.8	0.37%
Ba 233.527†	175390.9	1520	ug/L	6.5	1520	ug/L	6.5	0.43%
Be 234.861†	91828.8	506	ug/L	0.9	506	ug/L	0.9	0.18%
Ca 315.887†	521774.9	50600	ug/L	861.9	50600	ug/L	861.9	1.71%
Cd 226.502†	4360.1	495	ug/L	2.9	495	ug/L	2.9	0.59%
Co 228.616†	11382.5	487	ug/L	0.8	487	ug/L	0.8	0.17%
Cr 267.716†	14642.7	500	ug/L	2.0	500	ug/L	2.0	0.40%
Cu 324.752†	140491.9	491	ug/L	3.0	491	ug/L	3.0	0.61%
Fe 259.939†	669469.8	51000	ug/L	871.5	51000	ug/L	871.5	1.71%
K 766.490†	217080.4	51200	ug/L	781.1	51200	ug/L	781.1	1.53%
Li 460.286†	70716.7	4780	ug/L	21.5	4780	ug/L	21.5	0.45%
Mg 279.077†	501191.0	50200	ug/L	578.4	50200	ug/L	578.4	1.15%
Mn 257.610†	260846.3	498	ug/L	1.5	498	ug/L	1.5	0.30%
Mo 202.031†	1771.3	484	ug/L	3.5	484	ug/L	3.5	0.73%
Na 589.592†	553466.4	48700	ug/L	758.1	48700	ug/L	758.1	1.56%
Ni 231.604†	4823.2	492	ug/L	4.1	492	ug/L	4.1	0.83%
Pb 220.353†	741.0	500	ug/L	3.9	500	ug/L	3.9	0.79%
Sb 206.836†	1032.4	488	ug/L	3.9	488	ug/L	3.9	0.79%
Se 196.026†	498.8	514	ug/L	6.0	514	ug/L	6.0	1.17%
Sn 189.927†	815.6	506	ug/L	3.5	506	ug/L	3.5	0.68%
Sr 421.552†	363321.6	488	ug/L	8.1	488	ug/L	8.1	1.66%
Ti 334.940†	230003.4	500	ug/L	1.0	500	ug/L	1.0	0.21%
Tl 190.801†	735.5	484	ug/L	5.0	484	ug/L	5.0	1.03%
V 292.402†	13697.1	518	ug/L	2.3	518	ug/L	2.3	0.45%
Zn 206.200†	7705.6	498	ug/L	2.5	498	ug/L	2.5	0.51%

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Sequence No.: 50
Sample ID: 244003
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 64
Date Collected: 6/14/2007 2:12:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 244003

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1574150.2	100	%	0.2				0.21%
Sc Radial	203573.2	103	%	0.7				0.72%
Ag 328.068†	21325.5	198	ug/L	0.9	198	ug/L	0.9	0.46%
Al 308.215†	132068.5	49300	ug/L	55.0	49300	ug/L	55.0	0.11%
As 188.979†	655.8	485	ug/L	2.4	485	ug/L	2.4	0.49%
Ba 233.527†	175180.3	1520	ug/L	2.8	1520	ug/L	2.8	0.18%
Be 234.861†	91002.2	502	ug/L	1.3	502	ug/L	1.3	0.26%
Ca 315.887†	507657.1	49200	ug/L	75.9	49200	ug/L	75.9	0.15%
Cd 226.502†	4361.9	496	ug/L	1.8	496	ug/L	1.8	0.37%
Co 228.616†	11426.3	488	ug/L	3.5	488	ug/L	3.5	0.72%
Cr 267.716†	14660.5	501	ug/L	0.4	501	ug/L	0.4	0.07%
Cu 324.752†	139821.0	488	ug/L	0.7	488	ug/L	0.7	0.13%
Fe 259.939†	651829.8	49700	ug/L	14.8	49700	ug/L	14.8	0.03%
K 766.490†	212994.9	50200	ug/L	57.2	50200	ug/L	57.2	0.11%
Li 460.286†	70805.3	4800	ug/L	7.9	4800	ug/L	7.9	0.16%
Mg 279.077†	493332.4	49400	ug/L	348.2	49400	ug/L	348.2	0.70%
Mn 257.610†	259751.8	496	ug/L	1.3	496	ug/L	1.3	0.26%
Mo 202.031†	1774.5	485	ug/L	2.1	485	ug/L	2.1	0.43%
Na 589.592†	542354.4	47800	ug/L	73.7	47800	ug/L	73.7	0.15%
Ni 231.604†	4823.7	492	ug/L	1.9	492	ug/L	1.9	0.39%
Pb 220.353†	740.0	499	ug/L	3.8	499	ug/L	3.8	0.77%
Sb 206.836†	1044.3	493	ug/L	1.5	493	ug/L	1.5	0.31%
Se 196.026†	498.5	513	ug/L	4.6	513	ug/L	4.6	0.89%
Sn 189.927†	815.9	507	ug/L	4.0	507	ug/L	4.0	0.78%
Sr 421.552†	353366.8	475	ug/L	0.4	475	ug/L	0.4	0.08%
Ti 334.940†	229006.5	498	ug/L	0.7	498	ug/L	0.7	0.14%
Tl 190.801†	744.1	490	ug/L	1.6	490	ug/L	1.6	0.33%
V 292.402†	13692.6	517	ug/L	0.3	517	ug/L	0.3	0.05%
Zn 206.200†	7720.0	499	ug/L	1.3	499	ug/L	1.3	0.27%

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Sequence No.: 51 **Autosampler Location: 65**
Sample ID: 250690701 **Date Collected: 6/14/2007 2:16:52 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250690701

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1619842.8	103	%	0.1				0.09%
Sc Radial	209700.3	107	%	0.6				0.58%
Ag 328.068†	5293.2	50.8	ug/L	0.25	50.8	ug/L	0.25	0.50%
Al 308.215†	33642.5	12600	ug/L	20.6	12600	ug/L	20.6	0.16%
As 188.979†	3.0	-0.277	ug/L	2.5483	-0.277	ug/L	2.5483	921.62%
Ba 233.527†	61742.7	535	ug/L	2.0	535	ug/L	2.0	0.37%
Be 234.861†	178.8	0.274	ug/L	0.0301	0.274	ug/L	0.0301	10.98%
Ca 315.887†	1017297.3	98600	ug/L	610.7	98600	ug/L	610.7	0.62%
Cd 226.502†	144.5	-1.00	ug/L	0.610	-1.00	ug/L	0.610	60.70%
Co 228.616†	219.3	8.91	ug/L	0.186	8.91	ug/L	0.186	2.08%
Cr 267.716†	1384.6	46.8	ug/L	0.24	46.8	ug/L	0.24	0.52%
Cu 324.752†	420308.4	1460	ug/L	3.4	1460	ug/L	3.4	0.23%
Fe 259.939†	260232.8	19800	ug/L	50.8	19800	ug/L	50.8	0.26%
K 766.490†	9748.8	2320	ug/L	12.2	2320	ug/L	12.2	0.53%
Li 460.286†	1403.9	-1.32	ug/L	1.735	-1.32	ug/L	1.735	131.61%
Mg 279.077†	95929.3	9620	ug/L	59.1	9620	ug/L	59.1	0.61%
Mn 257.610†	130941.5	250	ug/L	0.8	250	ug/L	0.8	0.34%
Mo 202.031†	171.0	47.9	ug/L	1.94	47.9	ug/L	1.94	4.04%
Na 589.592†	42676.4	3750	ug/L	3.6	3750	ug/L	3.6	0.10%
Ni 231.604†	883.9	90.0	ug/L	0.53	90.0	ug/L	0.53	0.58%
Pb 220.353†	127.1	94.5	ug/L	5.89	94.5	ug/L	5.89	6.23%
Sb 206.836†	27.9	4.64	ug/L	3.118	4.64	ug/L	3.118	67.16%
Se 196.026†	22.0	30.5	ug/L	4.13	30.5	ug/L	4.13	13.54%
Sn 189.927†	124.6	81.4	ug/L	1.55	81.4	ug/L	1.55	1.90%
Sr 421.552†	433418.6	581	ug/L	2.5	581	ug/L	2.5	0.44%
Ti 334.940†	91932.5	200	ug/L	2.1	200	ug/L	2.1	1.03%
Tl 190.801†	-1.8	-3.37	ug/L	1.982	-3.37	ug/L	1.982	58.73%
V 292.402†	482.8	20.2	ug/L	0.48	20.2	ug/L	0.48	2.39%
Zn 206.200†	36365.9	2350	ug/L	8.2	2350	ug/L	8.2	0.35%

Sequence No.: 52
Sample ID: 250690701L
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 66
Date Collected: 6/14/2007 2:21:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250690701L

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1587385.8	101	%	0.5				0.47%
Sc Radial	200438.9	102	%	0.7				0.64%
Ag 328.068†	853.1	9.46	ug/L	0.477	47.3	ug/L	2.38	5.04%
Al 308.215†	7886.6	2940	ug/L	11.2	14700	ug/L	55.9	0.38%
As 188.979†	-0.3	-1.13	ug/L	2.316	-5.63	ug/L	11.579	205.56%
Ba 233.527†	13057.6	113	ug/L	0.8	566	ug/L	3.8	0.67%
Be 234.861†	20.7	0.071	ug/L	0.0050	0.354	ug/L	0.0248	7.01%
Ca 315.887†	214331.6	20800	ug/L	175.9	104000	ug/L	879.6	0.85%
Cd 226.502†	45.1	1.82	ug/L	0.908	9.12	ug/L	4.541	49.79%
Co 228.616†	57.4	1.66	ug/L	0.222	8.31	ug/L	1.110	13.35%
Cr 267.716†	303.6	9.84	ug/L	0.239	49.2	ug/L	1.19	2.43%
Cu 324.752†	83641.1	291	ug/L	1.4	1460	ug/L	6.9	0.48%
Fe 259.939†	57135.0	4350	ug/L	20.9	21800	ug/L	104.5	0.48%
K 766.490†	2142.2	526	ug/L	12.8	2630	ug/L	64.0	2.43%
Li 460.286†	200.4	-7.28	ug/L	4.969	-36.4	ug/L	24.85	68.21%
Mg 279.077†	20827.4	2090	ug/L	14.0	10400	ug/L	69.9	0.67%
Mn 257.610†	31468.1	59.8	ug/L	0.32	299	ug/L	1.6	0.54%
Mo 202.031†	36.7	10.6	ug/L	1.31	53.2	ug/L	6.56	12.34%
Na 589.592†	9195.8	806	ug/L	4.4	4030	ug/L	22.0	0.55%
Ni 231.604†	191.4	19.6	ug/L	0.41	97.8	ug/L	2.06	2.11%
Pb 220.353†	21.7	17.6	ug/L	1.69	88.2	ug/L	8.43	9.56%
Sb 206.836†	20.0	3.90	ug/L	1.238	19.5	ug/L	6.19	31.76%
Se 196.026†	-0.9	-0.661	ug/L	1.6682	-3.30	ug/L	8.341	252.54%
Sn 189.927†	31.5	22.6	ug/L	2.31	113	ug/L	11.5	10.23%
Sr 421.552†	91201.8	122	ug/L	1.1	611	ug/L	5.5	0.90%
Ti 334.940†	167753.2	365	ug/L	2.5	1820	ug/L	12.3	0.67%
Tl 190.801†	0.7	-0.086	ug/L	2.1026	-0.432	ug/L	10.5129	>999.9%
V 292.402†	104.8	3.99	ug/L	0.257	20.0	ug/L	1.29	6.44%
Zn 206.200†	7768.5	502	ug/L	1.4	2510	ug/L	7.1	0.28%

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Sequence No.: 53
Sample ID: 244004
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 67
Date Collected: 6/14/2007 2:25:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 244004

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1565452.1	99.8	%	0.27				0.27%
Sc Radial	207058.6	105	%	0.6				0.62%
Ag 328.068†	25021.9	232	ug/L	1.2	232	ug/L	1.2	0.51%
Al 308.215†	152455.6	56900	ug/L	32.9	56900	ug/L	32.9	0.06%
As 188.979†	617.2	454	ug/L	3.9	454	ug/L	3.9	0.87%
Ba 233.527†	216393.0	1870	ug/L	2.5	1870	ug/L	2.5	0.14%
Be 234.861†	85107.5	469	ug/L	3.2	469	ug/L	3.2	0.68%
Ca 315.887†	1407209.7	136000	ug/L	138.5	136000	ug/L	138.5	0.10%
Cd 226.502†	4048.0	444	ug/L	1.9	444	ug/L	1.9	0.42%
Co 228.616†	10482.2	448	ug/L	1.3	448	ug/L	1.3	0.28%
Cr 267.716†	14434.4	493	ug/L	1.5	493	ug/L	1.5	0.30%
Cu 324.752†	537442.8	1870	ug/L	3.5	1870	ug/L	3.5	0.19%
Fe 259.939†	835643.7	63700	ug/L	182.2	63700	ug/L	182.2	0.29%
K 766.490†	203761.1	48000	ug/L	48.3	48000	ug/L	48.3	0.10%
Li 460.286†	69365.4	4620	ug/L	11.1	4620	ug/L	11.1	0.24%
Mg 279.077†	549243.5	55000	ug/L	256.2	55000	ug/L	256.2	0.47%
Mn 257.610†	363056.4	694	ug/L	1.7	694	ug/L	1.7	0.25%
Mo 202.031†	1805.5	494	ug/L	2.2	494	ug/L	2.2	0.45%
Na 589.592†	542352.5	47800	ug/L	97.2	47800	ug/L	97.2	0.20%
Ni 231.604†	5227.2	533	ug/L	1.9	533	ug/L	1.9	0.36%
Pb 220.353†	796.9	544	ug/L	7.1	544	ug/L	7.1	1.31%
Sb 206.836†	908.2	425	ug/L	1.8	425	ug/L	1.8	0.42%
Se 196.026†	501.4	524	ug/L	6.9	524	ug/L	6.9	1.32%
Sn 189.927†	788.0	491	ug/L	2.8	491	ug/L	2.8	0.57%
Sr 421.552†	726646.4	975	ug/L	1.9	975	ug/L	1.9	0.20%
Ti 334.940†	190670.2	415	ug/L	2.2	415	ug/L	2.2	0.52%
Tl 190.801†	657.3	430	ug/L	5.4	430	ug/L	5.4	1.25%
V 292.402†	12802.2	486	ug/L	1.3	486	ug/L	1.3	0.27%
Zn 206.200†	40488.7	2620	ug/L	1.4	2620	ug/L	1.4	0.05%

Sequence No.: 54
Sample ID: 244005
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 68
Date Collected: 6/14/2007 2:29:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 244005

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1605857.3	102	%	0.1				0.13%
Sc Radial	211317.3	107	%	0.4				0.41%
Ag 328.068†	19662.0	183	ug/L	1.2	183	ug/L	1.2	0.65%
Al 308.215†	116467.6	43500	ug/L	72.7	43500	ug/L	72.7	0.17%
As 188.979†	478.2	352	ug/L	3.8	352	ug/L	3.8	1.09%
Ba 233.527†	167330.0	1450	ug/L	2.6	1450	ug/L	2.6	0.18%
Be 234.861†	64716.6	356	ug/L	1.3	356	ug/L	1.3	0.36%
Ca 315.887†	1092130.1	106000	ug/L	169.5	106000	ug/L	169.5	0.16%
Cd 226.502†	3164.3	347	ug/L	1.1	347	ug/L	1.1	0.31%
Co 228.616†	8072.3	345	ug/L	1.1	345	ug/L	1.1	0.31%
Cr 267.716†	11056.6	377	ug/L	1.0	377	ug/L	1.0	0.26%
Cu 324.752†	402159.0	1400	ug/L	0.8	1400	ug/L	0.8	0.05%
Fe 259.939†	644900.7	49100	ug/L	62.5	49100	ug/L	62.5	0.13%
K 766.490†	154240.6	36400	ug/L	97.6	36400	ug/L	97.6	0.27%
Li 460.286†	52589.5	3500	ug/L	8.3	3500	ug/L	8.3	0.24%
Mg 279.077†	424090.8	42500	ug/L	238.5	42500	ug/L	238.5	0.56%
Mn 257.610†	276720.2	529	ug/L	1.0	529	ug/L	1.0	0.19%
Mo 202.031†	1348.2	369	ug/L	0.9	369	ug/L	0.9	0.25%
Na 589.592†	414323.9	36500	ug/L	54.2	36500	ug/L	54.2	0.15%
Ni 231.604†	3986.0	406	ug/L	1.1	406	ug/L	1.1	0.27%
Pb 220.353†	613.0	419	ug/L	4.4	419	ug/L	4.4	1.05%
Sb 206.836†	697.2	325	ug/L	1.3	325	ug/L	1.3	0.41%
Se 196.026†	394.5	411	ug/L	8.9	411	ug/L	8.9	2.18%
Sn 189.927†	608.5	380	ug/L	4.4	380	ug/L	4.4	1.16%
Sr 421.552†	560851.1	753	ug/L	1.0	753	ug/L	1.0	0.13%
Ti 334.940†	140524.7	306	ug/L	6.3	306	ug/L	6.3	2.08%
Tl 190.801†	529.8	347	ug/L	7.5	347	ug/L	7.5	2.16%
V 292.402†	9760.0	370	ug/L	2.1	370	ug/L	2.1	0.56%
Zn 206.200†	31073.3	2010	ug/L	7.3	2010	ug/L	7.3	0.36%

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Sequence No.: 55 **Autosampler Location: 69**
Sample ID: 250690701A **Date Collected: 6/14/2007 2:32:53 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250690701A

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1589798.5	101	%	0.2				0.23%
Sc Radial	208633.4	106	%	0.5				0.48%
Ag 328.068†	10721.8	103	ug/L	0.8	103	ug/L	0.8	0.75%
Al 308.215†	160882.3	60100	ug/L	37.0	60100	ug/L	37.0	0.06%
As 188.979†	632.3	465	ug/L	5.1	465	ug/L	5.1	1.09%
Ba 233.527†	223066.9	1930	ug/L	6.1	1930	ug/L	6.1	0.32%
Be 234.861†	88002.2	485	ug/L	1.5	485	ug/L	1.5	0.31%
Ca 315.887†	1449839.5	140000	ug/L	211.1	140000	ug/L	211.1	0.15%
Cd 226.502†	4173.0	457	ug/L	1.9	457	ug/L	1.9	0.41%
Co 228.616†	10899.7	464	ug/L	3.2	464	ug/L	3.2	0.70%
Cr 267.716†	14874.9	508	ug/L	0.8	508	ug/L	0.8	0.16%
Cu 324.752†	555402.2	1940	ug/L	5.2	1940	ug/L	5.2	0.27%
Fe 259.939†	866977.1	66100	ug/L	57.7	66100	ug/L	57.7	0.09%
K 766.490†	213034.9	50200	ug/L	107.5	50200	ug/L	107.5	0.21%
Li 460.286†	71746.0	4780	ug/L	13.3	4780	ug/L	13.3	0.28%
Mg 279.077†	557440.5	55800	ug/L	303.3	55800	ug/L	303.3	0.54%
Mn 257.610†	373590.7	714	ug/L	2.6	714	ug/L	2.6	0.36%
Mo 202.031†	1838.5	503	ug/L	1.7	503	ug/L	1.7	0.34%
Na 589.592†	563297.0	49600	ug/L	59.9	49600	ug/L	59.9	0.12%
Ni 231.604†	5408.7	551	ug/L	2.8	551	ug/L	2.8	0.50%
Pb 220.353†	813.9	558	ug/L	2.3	558	ug/L	2.3	0.42%
Sb 206.836†	1002.2	471	ug/L	3.7	471	ug/L	3.7	0.79%
Se 196.026†	514.6	538	ug/L	13.3	538	ug/L	13.3	2.47%
Sn 189.927†	899.0	563	ug/L	4.3	563	ug/L	4.3	0.77%
Sr 421.552†	753603.2	1010	ug/L	10.8	1010	ug/L	10.8	1.07%
Ti 334.940†	746518.8	1620	ug/L	69.2	1620	ug/L	69.2	4.26%
Tl 190.801†	674.3	441	ug/L	2.3	441	ug/L	2.3	0.53%
V 292.402†	13474.4	510	ug/L	2.4	510	ug/L	2.4	0.46%
Zn 206.200†	41520.6	2680	ug/L	11.2	2680	ug/L	11.2	0.42%

Sequence No.: 56
Sample ID: 250693702
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 74
Date Collected: 6/14/2007 2:36:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250693702

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1492445.0	95.1	%	0.06				0.06%
Sc Radial	195247.1	99.2	%	0.41				0.42%
Ag 328.068†	-852.2	-0.481	ug/L	0.2038	-0.481	ug/L	0.2038	42.36%
Al 308.215†	128624.0	48000	ug/L	236.1	48000	ug/L	236.1	0.49%
As 188.979†	-15.3	-50.0	ug/L	2.71	-50.0	ug/L	2.71	5.42%
Ba 233.527†	86129.8	743	ug/L	1.6	743	ug/L	1.6	0.21%
Be 234.861†	709.5	2.84	ug/L	0.062	2.84	ug/L	0.062	2.17%
Ca 315.887†	11174563.2	1080000	ug/L	8780.2	1080000	ug/L	8780.2	0.81%
Cd 226.502†	183.8	-164	ug/L	1.6	-164	ug/L	1.6	0.97%
Co 228.616†	318.1	12.3	ug/L	0.13	12.3	ug/L	0.13	1.05%
Cr 267.716†	1160.1	39.5	ug/L	0.75	39.5	ug/L	0.75	1.91%
Cu 324.752†	5417.3	35.6	ug/L	0.08	35.6	ug/L	0.08	0.23%
Fe 259.939†	372243.0	28400	ug/L	139.7	28400	ug/L	139.7	0.49%
K 766.490†	52648.1	12400	ug/L	72.0	12400	ug/L	72.0	0.58%
Li 460.286†	3590.3	54.1	ug/L	6.04	54.1	ug/L	6.04	11.17%
Mg 279.077†	465144.4	46600	ug/L	162.7	46600	ug/L	162.7	0.35%
Mn 257.610†	201311.3	384	ug/L	0.4	384	ug/L	0.4	0.10%
Mo 202.031†	-20.6	-3.68	ug/L	0.554	-3.68	ug/L	0.554	15.06%
Na 589.592†	22952.7	2020	ug/L	9.3	2020	ug/L	9.3	0.46%
Ni 231.604†	213.4	21.3	ug/L	0.58	21.3	ug/L	0.58	2.73%
Pb 220.353†	39.7	149	ug/L	8.1	149	ug/L	8.1	5.41%
Sb 206.836†	20.5	-34.6	ug/L	2.54	-34.6	ug/L	2.54	7.33%
Se 196.026†	-19.5	-5.29	ug/L	12.659	-5.29	ug/L	12.659	239.16%
Sn 189.927†	-17.1	18.0	ug/L	2.42	18.0	ug/L	2.42	13.41%
Sr 421.552†	497192.2	648	ug/L	2.8	648	ug/L	2.8	0.43%
Ti 334.940†	283055.6	616	ug/L	0.5	616	ug/L	0.5	0.09%
Tl 190.801†	6.6	1.96	ug/L	6.387	1.96	ug/L	6.387	325.74%
V 292.402†	2988.1	113	ug/L	0.3	113	ug/L	0.3	0.22%
Zn 206.200†	1045.6	95.2	ug/L	0.47	95.2	ug/L	0.47	0.50%

Sequence No.: 57 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 6/14/2007 2:41:03 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1484411.4	94.6	%	0.29				0.31%
Sc Radial	191376.1	97.2	%	0.38				0.39%
Ag 328.068†	57374.4	524	ug/L	1.2	524	ug/L	1.2	0.23%
QC value within limits for Ag 328.068 Recovery = 104.79%								
Al 308.215†	68156.6	25400	ug/L	107.2	25400	ug/L	107.2	0.42%
QC value within limits for Al 308.215 Recovery = 101.78%								
As 188.979†	683.0	505	ug/L	2.4	505	ug/L	2.4	0.48%
QC value within limits for As 188.979 Recovery = 100.99%								
Ba 233.527†	60356.6	523	ug/L	1.1	523	ug/L	1.1	0.21%
QC value within limits for Ba 233.527 Recovery = 104.60%								
Be 234.861†	94962.6	524	ug/L	3.6	524	ug/L	3.6	0.68%
QC value within limits for Be 234.861 Recovery = 104.83%								
Ca 315.887†	264230.5	25600	ug/L	62.0	25600	ug/L	62.0	0.24%
QC value within limits for Ca 315.887 Recovery = 102.39%								
Cd 226.502†	4463.4	512	ug/L	2.3	512	ug/L	2.3	0.45%
QC value within limits for Cd 226.502 Recovery = 102.49%								
Co 228.616†	12095.1	516	ug/L	2.7	516	ug/L	2.7	0.52%
QC value within limits for Co 228.616 Recovery = 103.29%								
Cr 267.716†	15394.0	525	ug/L	0.2	525	ug/L	0.2	0.05%
QC value within limits for Cr 267.716 Recovery = 105.07%								
Cu 324.752†	144213.0	503	ug/L	0.6	503	ug/L	0.6	0.13%
QC value within limits for Cu 324.752 Recovery = 100.58%								
Fe 259.939†	539251.7	41100	ug/L	196.4	41100	ug/L	196.4	0.48%
QC value within limits for Fe 259.939 Recovery = 102.71%								
K 766.490†	109307.0	25800	ug/L	69.6	25800	ug/L	69.6	0.27%
QC value within limits for K 766.490 Recovery = 103.13%								
Li 460.286†	73935.7	5060	ug/L	3.7	5060	ug/L	3.7	0.07%
Mg 279.077†	261041.7	26200	ug/L	118.4	26200	ug/L	118.4	0.45%
QC value within limits for Mg 279.077 Recovery = 104.63%								
Mn 257.610†	275184.3	526	ug/L	0.3	526	ug/L	0.3	0.06%
QC value within limits for Mn 257.610 Recovery = 105.27%								
Mo 202.031†	1851.8	505	ug/L	3.9	505	ug/L	3.9	0.77%
QC value within limits for Mo 202.031 Recovery = 101.03%								
Na 589.592†	278591.7	24500	ug/L	61.3	24500	ug/L	61.3	0.25%
QC value within limits for Na 589.592 Recovery = 98.13%								
Ni 231.604†	5098.2	520	ug/L	2.9	520	ug/L	2.9	0.55%
QC value within limits for Ni 231.604 Recovery = 104.01%								
Pb 220.353†	771.8	518	ug/L	3.8	518	ug/L	3.8	0.73%
QC value within limits for Pb 220.353 Recovery = 103.58%								
Sb 206.836†	1075.2	509	ug/L	4.8	509	ug/L	4.8	0.93%
QC value within limits for Sb 206.836 Recovery = 101.76%								
Se 196.026†	522.9	532	ug/L	8.0	532	ug/L	8.0	1.50%
QC value within limits for Se 196.026 Recovery = 106.33%								
Sn 189.927†	654.2	406	ug/L	2.9	406	ug/L	2.9	0.71%
QC value within limits for Sn 189.927 Recovery = 101.53%								
Sr 421.552†	306023.7	411	ug/L	1.1	411	ug/L	1.1	0.26%
QC value within limits for Sr 421.552 Recovery = 102.82%								
Ti 334.940†	192624.8	419	ug/L	0.4	419	ug/L	0.4	0.10%
QC value within limits for Ti 334.940 Recovery = 104.71%								
Tl 190.801†	758.8	499	ug/L	9.1	499	ug/L	9.1	1.83%
QC value within limits for Tl 190.801 Recovery = 99.87%								
V 292.402†	14198.7	535	ug/L	1.3	535	ug/L	1.3	0.23%
QC value within limits for V 292.402 Recovery = 107.07%								
Zn 206.200†	8066.6	522	ug/L	0.3	522	ug/L	0.3	0.05%
QC value within limits for Zn 206.200 Recovery = 104.38%								

All analyte(s) passed QC.

User canceled analysis.

==========

Analysis Begun

Start Time: 6/14/2007 2:44:53 PM **Plasma On Time: 6/14/2007 8:20:09 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\administrator\Sample Information\061407A.sif
Batch ID: 061407A
Results Data Set: 061407A-R1
Results Library: D:\pe\administrator\Results\Results.mdb
User canceled analysis.

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Analysis Begun

Start Time: 6/14/2007 2:47:30 PM **Plasma On Time: 6/14/2007 8:20:09 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\administrator\Sample Information\061407A.sif
Batch ID: 061407A
Results Data Set: 061407A-R1
Results Library: D:\pe\administrator\Results\Results.mdb

==========

Sequence No.: 56 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 6/14/2007 2:47:30 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1593614.6	102	%	2.5				2.43%
Sc Radial	201601.2	102	%	0.3				0.25%
Ag 328.068†	-240.4	-0.752	ug/L	0.1328	-0.752	ug/L	0.1328	17.65%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	3.8	0.428	ug/L	4.1704	0.428	ug/L	4.1704	974.17%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-2.3	-2.22	ug/L	2.522	-2.22	ug/L	2.522	113.60%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	44.9	0.552	ug/L	0.0372	0.552	ug/L	0.0372	6.75%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-11.5	0.080	ug/L	0.0213	0.080	ug/L	0.0213	26.53%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	535.2	48.7	ug/L	1.01	48.7	ug/L	1.01	2.08%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	-1.2	0.286	ug/L	0.8374	0.286	ug/L	0.8374	292.38%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	4.3	0.149	ug/L	0.0597	0.149	ug/L	0.0597	40.07%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	7.5	-0.285	ug/L	0.2066	-0.285	ug/L	0.2066	72.46%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	206.2	0.520	ug/L	0.4803	0.520	ug/L	0.4803	92.28%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	266.6	21.3	ug/L	0.26	21.3	ug/L	0.26	1.23%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	47.1	32.1	ug/L	7.45	32.1	ug/L	7.45	23.21%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	14.1	2.66	ug/L	8.334	2.66	ug/L	8.334	313.77%
Mg 279.077†	112.1	11.8	ug/L	1.66	11.8	ug/L	1.66	14.07%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	477.1	0.463	ug/L	0.0474	0.463	ug/L	0.0474	10.24%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-2.1	-0.103	ug/L	0.4684	-0.103	ug/L	0.4684	454.07%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	178.8	11.6	ug/L	3.72	11.6	ug/L	3.72	32.16%
QC value within limits for Na 589.592 Recovery = Not calculated								

Ni 231.604†	7.6	0.871 ug/L	0.2873	0.871 ug/L	0.2873	32.97%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	-6.6	-3.61 ug/L	2.261	-3.61 ug/L	2.261	62.69%
QC value less than the lower limit for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	6.6	-2.25 ug/L	2.089	-2.25 ug/L	2.089	93.06%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	2.4	0.105 ug/L	1.2050	0.105 ug/L	1.2050	>999.9%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	-0.2	1.64 ug/L	1.114	1.64 ug/L	1.114	68.05%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 421.552†	37.8	0.019 ug/L	0.0417	0.019 ug/L	0.0417	217.73%
QC value within limits for Sr 421.552 Recovery = Not calculated						
Ti 334.940†	136.7	0.278 ug/L	0.0621	0.278 ug/L	0.0621	22.31%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Tl 190.801†	-2.5	-1.82 ug/L	2.145	-1.82 ug/L	2.145	118.01%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.402†	3.9	-0.073 ug/L	0.2040	-0.073 ug/L	0.2040	278.93%
QC value within limits for V 292.402 Recovery = Not calculated						
Zn 206.200†	90.5	5.55 ug/L	0.551	5.55 ug/L	0.551	9.94%
QC value greater than the upper limit for Zn 206.200 Recovery = Not calculated						

QC Failed. Retry.

==========

Sequence No.: 57 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 6/14/2007 2:50:30 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

User canceled analysis.

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Analysis Begun

Start Time: 6/14/2007 2:50:56 PM **Plasma On Time: 6/14/2007 8:20:09 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\administrator\Sample Information\061407A.sif
Batch ID: 061407A
Results Data Set: 061407A-R1
Results Library: D:\pe\administrator\Results\Results.mdb

==========

Sequence No.: 58 **Autosampler Location: 15**
Sample ID: 250693702 **Date Collected: 6/14/2007 2:50:56 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 5X **Sample Prep Vol:**

Mean Data: 250693702

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1532861.8	97.7	%	0.07				0.07%
Sc Radial	205090.8	104	%	0.8				0.74%
Ag 328.068†	-398.9	-1.00	ug/L	0.158	-5.01	ug/L	0.790	15.76%
Al 308.215†	24903.2	9300	ug/L	26.6	46500	ug/L	133.2	0.29%
As 188.979†	-11.8	-17.0	ug/L	4.32	-85.1	ug/L	21.58	25.36%
Ba 233.527†	18416.6	159	ug/L	0.3	795	ug/L	1.7	0.21%
Be 234.861†	121.1	0.564	ug/L	0.0450	2.82	ug/L	0.225	7.98%
Ca 315.887†	2279403.7	221000	ug/L	1441.2	1100000	ug/L	7205.8	0.65%
Cd 226.502†	107.5	-25.0	ug/L	0.96	-125	ug/L	4.8	3.82%
Co 228.616†	66.5	2.54	ug/L	0.280	12.7	ug/L	1.40	11.00%
Cr 267.716†	212.7	6.81	ug/L	0.512	34.0	ug/L	2.56	7.51%
Cu 324.752†	2187.6	10.9	ug/L	0.08	54.4	ug/L	0.41	0.76%
Fe 259.939†	76084.4	5800	ug/L	5.7	29000	ug/L	28.3	0.10%
K 766.490†	10149.2	2410	ug/L	1.2	12100	ug/L	6.1	0.05%
Li 460.286†	696.7	9.83	ug/L	2.540	49.1	ug/L	12.70	25.84%
Mg 279.077†	96357.2	9650	ug/L	75.7	48300	ug/L	378.4	0.78%
Mn 257.610†	47731.8	90.8	ug/L	0.14	454	ug/L	0.7	0.15%
Mo 202.031†	-22.1	-5.23	ug/L	0.735	-26.2	ug/L	3.68	14.05%
Na 589.592†	4651.2	405	ug/L	3.6	2030	ug/L	18.1	0.89%

Ni 231.604†	49.1	4.99	ug/L	0.158	25.0	ug/L	0.79	3.17%
Pb 220.353†	7.9	31.0	ug/L	3.26	155	ug/L	16.3	10.51%
Sb 206.836†	23.3	-2.26	ug/L	3.277	-11.3	ug/L	16.38	144.72%
Se 196.026†	-10.7	-9.45	ug/L	2.324	-47.2	ug/L	11.62	24.60%
Sn 189.927†	-14.3	-1.56	ug/L	2.202	-7.79	ug/L	11.012	141.34%
Sr 421.552†	98566.2	128	ug/L	0.5	641	ug/L	2.6	0.41%
Ti 334.940†	58347.7	127	ug/L	0.1	634	ug/L	0.6	0.10%
Tl 190.801†	-9.4	-6.98	ug/L	1.106	-34.9	ug/L	5.53	15.84%
V 292.402†	629.3	23.6	ug/L	0.06	118	ug/L	0.3	0.25%
Zn 206.200†	281.8	23.6	ug/L	0.30	118	ug/L	1.5	1.27%

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Sequence No.: 59
Sample ID: 250693702
Analyst:
Initial Sample Wt:
Dilution: 10X

Autosampler Location: 16
Date Collected: 6/14/2007 2:55:07 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250693702

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1583490.7	101	%	0.6				0.60%
Sc Radial	200379.0	102	%	0.6				0.55%
Ag 328.068†	-332.7	-0.990	ug/L	0.1835	-9.90	ug/L	1.835	18.53%
Al 308.215†	12538.3	4680	ug/L	4.8	46800	ug/L	47.9	0.10%
As 188.979†	-7.0	-9.64	ug/L	3.791	-96.4	ug/L	37.91	39.32%
Ba 233.527†	8755.8	75.7	ug/L	0.56	757	ug/L	5.6	0.74%
Be 234.861†	47.0	0.277	ug/L	0.0315	2.77	ug/L	0.315	11.39%
Ca 315.887†	1150330.6	111000	ug/L	788.6	1110000	ug/L	7885.9	0.71%
Cd 226.502†	83.7	-8.99	ug/L	0.304	-89.9	ug/L	3.04	3.38%
Co 228.616†	38.1	1.46	ug/L	0.388	14.6	ug/L	3.88	26.46%
Cr 267.716†	93.0	2.68	ug/L	0.209	26.8	ug/L	2.09	7.81%
Cu 324.752†	543.1	3.44	ug/L	0.169	34.4	ug/L	1.69	4.91%
Fe 259.939†	38777.2	2960	ug/L	7.6	29600	ug/L	76.2	0.26%
K 766.490†	5087.4	1220	ug/L	9.2	12200	ug/L	91.7	0.75%
Li 460.286†	366.1	6.74	ug/L	4.072	67.4	ug/L	40.72	60.45%
Mg 279.077†	48305.0	4840	ug/L	36.4	48400	ug/L	364.5	0.75%
Mn 257.610†	23929.7	45.3	ug/L	0.31	453	ug/L	3.1	0.69%
Mo 202.031†	-22.7	-5.54	ug/L	1.871	-55.4	ug/L	18.71	33.77%
Na 589.592†	2301.4	199	ug/L	4.4	1990	ug/L	43.8	2.21%
Ni 231.604†	24.0	2.48	ug/L	0.368	24.8	ug/L	3.68	14.86%
Pb 220.353†	2.0	14.7	ug/L	2.58	147	ug/L	25.8	17.56%
Sb 206.836†	22.4	1.25	ug/L	1.088	12.5	ug/L	10.88	87.37%
Se 196.026†	-14.8	-15.1	ug/L	8.80	-151	ug/L	88.0	58.46%
Sn 189.927†	-15.5	-5.04	ug/L	2.548	-50.4	ug/L	25.48	50.51%
Sr 421.552†	50005.9	65.1	ug/L	0.11	651	ug/L	1.1	0.17%
Ti 334.940†	27722.2	60.3	ug/L	0.43	603	ug/L	4.3	0.71%
Tl 190.801†	-5.5	-4.01	ug/L	3.514	-40.1	ug/L	35.14	87.66%
V 292.402†	290.7	10.8	ug/L	0.04	108	ug/L	0.4	0.35%
Zn 206.200†	133.4	11.2	ug/L	0.34	112	ug/L	3.4	3.02%

User canceled analysis.

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Analysis Begun

Start Time: 6/14/2007 2:58:50 PM **Plasma On Time: 6/14/2007 8:20:09 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\administrator\Sample Information\061407A.sif
Batch ID: 061407A
Results Data Set: 061407A-R1
Results Library: D:\pe\administrator\Results\Results.mdb
User canceled analysis.

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Analysis Begun

Start Time: 6/14/2007 2:59:11 PM **Plasma On Time: 6/14/2007 8:20:09 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\administrator\Sample Information\061407A.sif
Batch ID: 061407A
Results Data Set: 061407A-R1
Results Library: D:\pe\administrator\Results\Results.mdb

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Sequence No.: 59 **Autosampler Location: 71**
Sample ID: 250692001 **Date Collected: 6/14/2007 2:59:11 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250692001

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1522006.5	97.0	%	0.47				0.48%
Sc Radial	197080.5	100	%	1.1				1.13%
Ag 328.068†	-573.0	-0.358	ug/L	0.0566	-0.358	ug/L	0.0566	15.79%
Al 308.215†	99325.9	37100	ug/L	381.1	37100	ug/L	381.1	1.03%
As 188.979†	20.2	6.58	ug/L	3.480	6.58	ug/L	3.480	52.92%
Ba 233.527†	11065.6	95.5	ug/L	0.50	95.5	ug/L	0.50	0.53%
Be 234.861†	659.5	1.98	ug/L	0.041	1.98	ug/L	0.041	2.08%
Ca 315.887†	3157710.5	306000	ug/L	4456.8	306000	ug/L	4456.8	1.46%
Cd 226.502†	202.3	-31.2	ug/L	1.53	-31.2	ug/L	1.53	4.90%
Co 228.616†	108.4	3.08	ug/L	0.251	3.08	ug/L	0.251	8.15%
Cr 267.716†	3699.4	127	ug/L	1.2	127	ug/L	1.2	0.94%
Cu 324.752†	43774.1	158	ug/L	0.7	158	ug/L	0.7	0.46%
Fe 259.939†	547665.0	41700	ug/L	312.7	41700	ug/L	312.7	0.75%
K 766.490†	39036.0	9220	ug/L	118.3	9220	ug/L	118.3	1.28%
Li 460.286†	4016.0	65.8	ug/L	1.71	65.8	ug/L	1.71	2.61%
Mg 279.077†	978230.2	98000	ug/L	1054.6	98000	ug/L	1054.6	1.08%
Mn 257.610†	84892.0	159	ug/L	0.5	159	ug/L	0.5	0.32%
Mo 202.031†	19.1	7.77	ug/L	2.694	7.77	ug/L	2.694	34.66%
Na 589.592†	942152.3	83000	ug/L	1223.4	83000	ug/L	1223.4	1.47%
Ni 231.604†	249.8	24.7	ug/L	0.61	24.7	ug/L	0.61	2.48%
Pb 220.353†	243.8	195	ug/L	4.3	195	ug/L	4.3	2.19%
Sb 206.836†	35.2	-0.860	ug/L	0.8630	-0.860	ug/L	0.8630	100.39%
Se 196.026†	-25.1	-2.66	ug/L	5.259	-2.66	ug/L	5.259	197.39%
Sn 189.927†	60.9	46.8	ug/L	0.50	46.8	ug/L	0.50	1.07%
Sr 421.552†	989499.7	1330	ug/L	20.2	1330	ug/L	20.2	1.52%
Ti 334.940†	80950.8	176	ug/L	1.2	176	ug/L	1.2	0.69%
Tl 190.801†	1.5	-1.70	ug/L	4.697	-1.70	ug/L	4.697	275.65%
V 292.402†	2777.1	107	ug/L	0.5	107	ug/L	0.5	0.42%
Zn 206.200†	5984.2	391	ug/L	4.1	391	ug/L	4.1	1.04%

Sequence No.: 60
Sample ID: 250692002
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 72
Date Collected: 6/14/2007 3:03:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250692002

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1552362.3	98.9	%	0.11				0.12%
Sc Radial	202467.4	103	%	0.1				0.12%
Ag 328.068†	-439.6	0.627	ug/L	0.2296	0.627	ug/L	0.2296	36.60%
Al 308.215†	96010.7	35800	ug/L	39.9	35800	ug/L	39.9	0.11%
As 188.979†	35.3	18.9	ug/L	2.56	18.9	ug/L	2.56	13.49%
Ba 233.527†	13595.1	117	ug/L	0.2	117	ug/L	0.2	0.15%
Be 234.861†	647.5	2.01	ug/L	0.088	2.01	ug/L	0.088	4.39%
Ca 315.887†	2788352.2	270000	ug/L	646.5	270000	ug/L	646.5	0.24%
Cd 226.502†	196.0	-25.7	ug/L	0.52	-25.7	ug/L	0.52	2.03%
Co 228.616†	171.9	5.96	ug/L	0.173	5.96	ug/L	0.173	2.90%
Cr 267.716†	4161.5	142	ug/L	0.4	142	ug/L	0.4	0.29%
Cu 324.752†	64801.2	230	ug/L	0.6	230	ug/L	0.6	0.26%
Fe 259.939†	520192.3	39600	ug/L	103.6	39600	ug/L	103.6	0.26%
K 766.490†	25692.6	6080	ug/L	18.6	6080	ug/L	18.6	0.31%
Li 460.286†	3770.7	60.5	ug/L	2.25	60.5	ug/L	2.25	3.72%
Mg 279.077†	837002.3	83800	ug/L	162.5	83800	ug/L	162.5	0.19%
Mn 257.610†	107809.0	203	ug/L	0.2	203	ug/L	0.2	0.08%
Mo 202.031†	89.0	26.7	ug/L	1.58	26.7	ug/L	1.58	5.94%
Na 589.592†	722260.7	63600	ug/L	87.5	63600	ug/L	87.5	0.14%
Ni 231.604†	318.9	31.9	ug/L	0.60	31.9	ug/L	0.60	1.88%
Pb 220.353†	292.4	223	ug/L	0.8	223	ug/L	0.8	0.34%
Sb 206.836†	30.1	-2.06	ug/L	3.265	-2.06	ug/L	3.265	158.38%
Se 196.026†	-25.5	-4.33	ug/L	9.379	-4.33	ug/L	9.379	216.69%
Sn 189.927†	-1.8	7.22	ug/L	0.858	7.22	ug/L	0.858	11.88%
Sr 421.552†	965215.4	1290	ug/L	1.4	1290	ug/L	1.4	0.11%
Ti 334.940†	64814.2	141	ug/L	1.0	141	ug/L	1.0	0.74%
Tl 190.801†	2.9	-1.18	ug/L	1.838	-1.18	ug/L	1.838	155.65%
V 292.402†	3552.6	136	ug/L	0.6	136	ug/L	0.6	0.41%
Zn 206.200†	10571.9	687	ug/L	2.5	687	ug/L	2.5	0.36%

Sequence No.: 61
Sample ID: 250692003
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 73
Date Collected: 6/14/2007 3:07:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250692003

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1545163.6	98.5	%	0.42				0.42%
Sc Radial	201735.3	102	%	0.3				0.27%
Ag 328.068†	-716.6	-0.506	ug/L	0.0230	-0.506	ug/L	0.0230	4.55%
Al 308.215†	102274.9	38200	ug/L	18.9	38200	ug/L	18.9	0.05%
As 188.979†	99.8	55.7	ug/L	4.82	55.7	ug/L	4.82	8.65%
Ba 233.527†	23123.3	199	ug/L	0.6	199	ug/L	0.6	0.28%
Be 234.861†	949.4	3.58	ug/L	0.097	3.58	ug/L	0.097	2.70%
Ca 315.887†	5690652.4	551000	ug/L	5597.3	551000	ug/L	5597.3	1.02%
Cd 226.502†	209.7	-72.1	ug/L	0.31	-72.1	ug/L	0.31	0.43%
Co 228.616†	371.4	14.4	ug/L	0.12	14.4	ug/L	0.12	0.81%
Cr 267.716†	3803.6	130	ug/L	1.0	130	ug/L	1.0	0.78%
Cu 324.752†	19761.8	78.0	ug/L	0.49	78.0	ug/L	0.49	0.63%
Fe 259.939†	550685.9	42000	ug/L	84.9	42000	ug/L	84.9	0.20%
K 766.490†	12582.9	2990	ug/L	11.8	2990	ug/L	11.8	0.39%
Li 460.286†	4039.8	50.9	ug/L	4.33	50.9	ug/L	4.33	8.52%
Mg 279.077†	424563.1	42500	ug/L	133.1	42500	ug/L	133.1	0.31%
Mn 257.610†	96402.1	183	ug/L	0.7	183	ug/L	0.7	0.41%
Mo 202.031†	55.1	17.6	ug/L	1.59	17.6	ug/L	1.59	9.02%
Na 589.592†	239098.1	21100	ug/L	18.2	21100	ug/L	18.2	0.09%
Ni 231.604†	411.2	41.2	ug/L	1.31	41.2	ug/L	1.31	3.18%
Pb 220.353†	146.1	158	ug/L	3.2	158	ug/L	3.2	2.00%
Sb 206.836†	49.9	-2.46	ug/L	1.679	-2.46	ug/L	1.679	68.22%
Se 196.026†	-26.4	-3.81	ug/L	6.236	-3.81	ug/L	6.236	163.67%
Sn 189.927†	-9.7	8.93	ug/L	3.299	8.93	ug/L	3.299	36.96%
Sr 421.552†	1957572.7	2620	ug/L	24.6	2620	ug/L	24.6	0.94%
Ti 334.940†	100550.7	219	ug/L	4.1	219	ug/L	4.1	1.87%
Tl 190.801†	0.2	-3.75	ug/L	5.398	-3.75	ug/L	5.398	144.04%
V 292.402†	8198.1	308	ug/L	1.6	308	ug/L	1.6	0.52%
Zn 206.200†	6699.8	446	ug/L	3.3	446	ug/L	3.3	0.74%

Sequence No.: 62
Sample ID: 250690702
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 70
Date Collected: 6/14/2007 3:11:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250690702

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1569343.7	100	%	0.2				0.22%
Sc Radial	205858.8	105	%	0.2				0.17%
Ag 328.068†	20990.0	197	ug/L	0.3	197	ug/L	0.3	0.13%
Al 308.215†	122252.5	45600	ug/L	69.0	45600	ug/L	69.0	0.15%
As 188.979†	24.2	10.4	ug/L	3.54	10.4	ug/L	3.54	34.16%
Ba 233.527†	221805.0	1920	ug/L	1.1	1920	ug/L	1.1	0.06%
Be 234.861†	767.6	1.29	ug/L	0.085	1.29	ug/L	0.085	6.63%
Ca 315.887†	3655383.1	354000	ug/L	1171.5	354000	ug/L	1171.5	0.33%
Cd 226.502†	354.0	-24.0	ug/L	1.96	-24.0	ug/L	1.96	8.16%
Co 228.616†	722.0	30.2	ug/L	0.29	30.2	ug/L	0.29	0.97%
Cr 267.716†	5352.3	183	ug/L	0.7	183	ug/L	0.7	0.41%
Cu 324.752†	1576614.1	5490	ug/L	5.2	5490	ug/L	5.2	0.10%
Fe 259.939†	939837.8	71600	ug/L	109.1	71600	ug/L	109.1	0.15%
K 766.490†	34359.3	8120	ug/L	27.3	8120	ug/L	27.3	0.34%
Li 460.286†	5459.7	19.6	ug/L	6.47	19.6	ug/L	6.47	33.03%
Mg 279.077†	346683.4	34700	ug/L	86.6	34700	ug/L	86.6	0.25%
Mn 257.610†	469050.8	898	ug/L	1.4	898	ug/L	1.4	0.15%
Mo 202.031†	733.6	203	ug/L	1.5	203	ug/L	1.5	0.76%
Na 589.592†	156199.0	13800	ug/L	30.2	13800	ug/L	30.2	0.22%
Ni 231.604†	3166.4	322	ug/L	1.9	322	ug/L	1.9	0.60%
Pb 220.353†	463.9	341	ug/L	4.0	341	ug/L	4.0	1.17%
Sb 206.836†	59.3	10.7	ug/L	1.72	10.7	ug/L	1.72	16.05%
Se 196.026†	115.4	151	ug/L	6.8	151	ug/L	6.8	4.48%
Sn 189.927†	437.8	281	ug/L	1.5	281	ug/L	1.5	0.54%
Sr 421.552†	1571336.9	2110	ug/L	4.8	2110	ug/L	4.8	0.23%
Ti 334.940†	121748.8	265	ug/L	6.4	265	ug/L	6.4	2.42%
Tl 190.801†	-4.4	-10.9	ug/L	3.07	-10.9	ug/L	3.07	28.21%
V 292.402†	1763.6	75.0	ug/L	0.12	75.0	ug/L	0.12	0.16%
Zn 206.200†	129416.4	8360	ug/L	7.9	8360	ug/L	7.9	0.09%

Sequence No.: 63
Sample ID: 250693901
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 75
Date Collected: 6/14/2007 3:15:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250693901

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1621291.9	103	%	0.3				0.30%
Sc Radial	207781.8	106	%	0.2				0.19%
Ag 328.068†	-64.6	1.85	ug/L	0.458	1.85	ug/L	0.458	24.77%
Al 308.215†	43994.1	16400	ug/L	12.3	16400	ug/L	12.3	0.07%
As 188.979†	76.1	52.8	ug/L	2.03	52.8	ug/L	2.03	3.84%
Ba 233.527†	28799.1	249	ug/L	1.0	249	ug/L	1.0	0.38%
Be 234.861†	142.3	0.458	ug/L	0.0344	0.458	ug/L	0.0344	7.52%
Ca 315.887†	1131332.2	110000	ug/L	238.4	110000	ug/L	238.4	0.22%
Cd 226.502†	107.7	-6.50	ug/L	0.559	-6.50	ug/L	0.559	8.60%
Co 228.616†	58.3	2.18	ug/L	0.167	2.18	ug/L	0.167	7.65%
Cr 267.716†	4546.6	155	ug/L	1.2	155	ug/L	1.2	0.77%
Cu 324.752†	51268.4	180	ug/L	0.6	180	ug/L	0.6	0.35%
Fe 259.939†	143554.6	10900	ug/L	31.4	10900	ug/L	31.4	0.29%
K 766.490†	1543.6	385	ug/L	8.7	385	ug/L	8.7	2.26%
Li 460.286†	902.2	5.93	ug/L	1.714	5.93	ug/L	1.714	28.91%
Mg 279.077†	14397.7	1450	ug/L	4.1	1450	ug/L	4.1	0.28%
Mn 257.610†	210415.5	403	ug/L	1.0	403	ug/L	1.0	0.24%
Mo 202.031†	-18.3	-3.93	ug/L	2.764	-3.93	ug/L	2.764	70.33%
Na 589.592†	6676.4	584	ug/L	3.8	584	ug/L	3.8	0.65%
Ni 231.604†	145.8	14.8	ug/L	0.18	14.8	ug/L	0.18	1.25%
Pb 220.353†	804.4	550	ug/L	6.8	550	ug/L	6.8	1.23%
Sb 206.836†	35.7	6.28	ug/L	1.225	6.28	ug/L	1.225	19.53%
Se 196.026†	-8.3	-4.61	ug/L	1.693	-4.61	ug/L	1.693	36.76%
Sn 189.927†	318.3	201	ug/L	3.4	201	ug/L	3.4	1.71%
Sr 421.552†	248883.6	333	ug/L	0.6	333	ug/L	0.6	0.18%
Ti 334.940†	48787.1	106	ug/L	1.0	106	ug/L	1.0	0.95%
Tl 190.801†	4.8	1.65	ug/L	3.171	1.65	ug/L	3.171	192.67%
V 292.402†	755.8	29.2	ug/L	0.25	29.2	ug/L	0.25	0.86%
Zn 206.200†	13141.3	852	ug/L	4.0	852	ug/L	4.0	0.47%

Sequence No.: 64
Sample ID: 243571
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 76
Date Collected: 6/14/2007 3:19:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 243571

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1623663.7	103	%	0.8				0.80%
Sc Radial	199132.5	101	%	1.1				1.09%
Ag 328.068†	-264.2	-0.969	ug/L	0.1920	-0.969	ug/L	0.1920	19.82%
Al 308.215†	-1.1	-1.41	ug/L	1.699	-1.41	ug/L	1.699	120.21%
As 188.979†	0.5	-0.205	ug/L	1.7720	-0.205	ug/L	1.7720	863.87%
Ba 233.527†	-26.1	-0.064	ug/L	0.0186	-0.064	ug/L	0.0186	29.15%
Be 234.861†	-16.2	0.055	ug/L	0.0177	0.055	ug/L	0.0177	32.10%
Ca 315.887†	437.7	39.2	ug/L	1.64	39.2	ug/L	1.64	4.19%
Cd 226.502†	-5.0	-0.148	ug/L	0.8664	-0.148	ug/L	0.8664	585.15%
Co 228.616†	-0.1	-0.041	ug/L	0.0697	-0.041	ug/L	0.0697	169.09%
Cr 267.716†	1.2	-0.500	ug/L	0.2744	-0.500	ug/L	0.2744	54.89%
Cu 324.752†	-57.4	-0.397	ug/L	0.1333	-0.397	ug/L	0.1333	33.54%
Fe 259.939†	49.9	4.81	ug/L	0.698	4.81	ug/L	0.698	14.52%
K 766.490†	53.2	33.6	ug/L	3.45	33.6	ug/L	3.45	10.28%
Li 460.286†	-41.3	-1.21	ug/L	3.774	-1.21	ug/L	3.774	312.76%
Mg 279.077†	18.8	2.46	ug/L	0.780	2.46	ug/L	0.780	31.65%
Mn 257.610†	37.9	-0.379	ug/L	0.0328	-0.379	ug/L	0.0328	8.65%
Mo 202.031†	-1.4	0.096	ug/L	0.5662	0.096	ug/L	0.5662	591.16%
Na 589.592†	15.9	-2.77	ug/L	2.553	-2.77	ug/L	2.553	92.07%
Ni 231.604†	5.6	0.663	ug/L	0.4923	0.663	ug/L	0.4923	74.22%
Pb 220.353†	-4.0	-1.85	ug/L	1.960	-1.85	ug/L	1.960	106.24%
Sb 206.836†	7.7	-1.71	ug/L	1.467	-1.71	ug/L	1.467	85.60%
Se 196.026†	4.0	1.69	ug/L	2.736	1.69	ug/L	2.736	162.05%
Sn 189.927†	-0.3	1.61	ug/L	0.791	1.61	ug/L	0.791	49.17%
Sr 421.552†	230.8	0.279	ug/L	0.0398	0.279	ug/L	0.0398	14.27%
Ti 334.940†	72.8	0.139	ug/L	0.0419	0.139	ug/L	0.0419	30.05%
Tl 190.801†	0.6	0.292	ug/L	1.3711	0.292	ug/L	1.3711	469.36%
V 292.402†	-3.4	-0.347	ug/L	0.0352	-0.347	ug/L	0.0352	10.17%
Zn 206.200†	137.4	8.57	ug/L	0.134	8.57	ug/L	0.134	1.56%

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Sequence No.: 65
Sample ID: 243572
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 77
Date Collected: 6/14/2007 3:24:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 243572

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1583158.8	101	%	0.2				0.15%
Sc Radial	204349.1	104	%	0.5				0.52%
Ag 328.068†	20569.4	191	ug/L	0.7	191	ug/L	0.7	0.39%
Al 308.215†	125994.7	47000	ug/L	155.5	47000	ug/L	155.5	0.33%
As 188.979†	627.1	463	ug/L	1.4	463	ug/L	1.4	0.30%
Ba 233.527†	165137.4	1430	ug/L	0.5	1430	ug/L	0.5	0.03%
Be 234.861†	88215.3	487	ug/L	2.8	487	ug/L	2.8	0.57%
Ca 315.887†	482398.0	46700	ug/L	98.7	46700	ug/L	98.7	0.21%
Cd 226.502†	4152.2	472	ug/L	1.0	472	ug/L	1.0	0.21%
Co 228.616†	10858.9	464	ug/L	2.3	464	ug/L	2.3	0.50%
Cr 267.716†	13715.9	468	ug/L	0.2	468	ug/L	0.2	0.04%
Cu 324.752†	132713.1	463	ug/L	0.9	463	ug/L	0.9	0.20%
Fe 259.939†	622952.3	47500	ug/L	72.2	47500	ug/L	72.2	0.15%
K 766.490†	204823.2	48300	ug/L	118.3	48300	ug/L	118.3	0.24%
Li 460.286†	67593.9	4580	ug/L	14.2	4580	ug/L	14.2	0.31%
Mg 279.077†	475549.7	47600	ug/L	365.9	47600	ug/L	365.9	0.77%
Mn 257.610†	246080.5	470	ug/L	0.6	470	ug/L	0.6	0.12%
Mo 202.031†	1655.9	452	ug/L	2.8	452	ug/L	2.8	0.62%
Na 589.592†	522580.0	46000	ug/L	116.9	46000	ug/L	116.9	0.25%
Ni 231.604†	4533.4	462	ug/L	0.8	462	ug/L	0.8	0.17%
Pb 220.353†	702.4	474	ug/L	2.5	474	ug/L	2.5	0.53%
Sb 206.836†	989.1	467	ug/L	2.1	467	ug/L	2.1	0.44%
Se 196.026†	489.6	503	ug/L	3.6	503	ug/L	3.6	0.72%
Sn 189.927†	763.6	474	ug/L	1.8	474	ug/L	1.8	0.38%
Sr 421.552†	333352.6	448	ug/L	0.9	448	ug/L	0.9	0.21%
Ti 334.940†	216127.4	470	ug/L	0.5	470	ug/L	0.5	0.10%
Tl 190.801†	702.3	462	ug/L	8.9	462	ug/L	8.9	1.93%
V 292.402†	12966.1	490	ug/L	1.2	490	ug/L	1.2	0.25%
Zn 206.200†	7317.5	473	ug/L	0.9	473	ug/L	0.9	0.19%

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Sequence No.: 66
Sample ID: 243573
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 78
Date Collected: 6/14/2007 3:28:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 243573

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1584126.4	101	%	0.3				0.29%
Sc Radial	203017.7	103	%	0.3				0.30%
Ag 328.068†	20812.9	193	ug/L	1.3	193	ug/L	1.3	0.65%
Al 308.215†	129953.9	48500	ug/L	176.9	48500	ug/L	176.9	0.36%
As 188.979†	649.2	480	ug/L	4.2	480	ug/L	4.2	0.87%
Ba 233.527†	170137.0	1470	ug/L	3.5	1470	ug/L	3.5	0.23%
Be 234.861†	91229.3	503	ug/L	0.6	503	ug/L	0.6	0.12%
Ca 315.887†	496965.7	48100	ug/L	55.3	48100	ug/L	55.3	0.11%
Cd 226.502†	4257.6	484	ug/L	3.4	484	ug/L	3.4	0.70%
Co 228.616†	11167.0	477	ug/L	3.8	477	ug/L	3.8	0.81%
Cr 267.716†	14114.7	482	ug/L	3.4	482	ug/L	3.4	0.71%
Cu 324.752†	136096.8	475	ug/L	2.9	475	ug/L	2.9	0.62%
Fe 259.939†	639727.3	48700	ug/L	176.5	48700	ug/L	176.5	0.36%
K 766.490†	210612.0	49700	ug/L	71.1	49700	ug/L	71.1	0.14%
Li 460.286†	69404.8	4700	ug/L	4.1	4700	ug/L	4.1	0.09%
Mg 279.077†	494943.0	49600	ug/L	246.2	49600	ug/L	246.2	0.50%
Mn 257.610†	253701.3	484	ug/L	0.9	484	ug/L	0.9	0.19%
Mo 202.031†	1707.9	466	ug/L	1.7	466	ug/L	1.7	0.38%
Na 589.592†	536070.8	47200	ug/L	68.3	47200	ug/L	68.3	0.14%
Ni 231.604†	4699.0	479	ug/L	1.3	479	ug/L	1.3	0.27%
Pb 220.353†	724.0	488	ug/L	6.1	488	ug/L	6.1	1.26%
Sb 206.836†	1024.2	484	ug/L	2.7	484	ug/L	2.7	0.55%
Se 196.026†	510.6	524	ug/L	2.7	524	ug/L	2.7	0.51%
Sn 189.927†	786.8	489	ug/L	3.2	489	ug/L	3.2	0.65%
Sr 421.552†	342393.9	460	ug/L	0.7	460	ug/L	0.7	0.14%
Ti 334.940†	222678.9	484	ug/L	1.3	484	ug/L	1.3	0.27%
Tl 190.801†	709.8	467	ug/L	6.0	467	ug/L	6.0	1.29%
V 292.402†	13328.8	503	ug/L	3.8	503	ug/L	3.8	0.76%
Zn 206.200†	7593.3	491	ug/L	4.2	491	ug/L	4.2	0.85%

Sequence No.: 67 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 6/14/2007 3:32:15 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1564064.7	99.7	%	0.80				0.80%
Sc Radial	201357.3	102	%	0.4				0.37%
Ag 328.068†	53654.0	490	ug/L	3.3	490	ug/L	3.3	0.68%
QC value within limits for Ag 328.068 Recovery = 98.02%								
Al 308.215†	64009.1	23900	ug/L	40.8	23900	ug/L	40.8	0.17%
QC value within limits for Al 308.215 Recovery = 95.59%								
As 188.979†	649.6	480	ug/L	7.5	480	ug/L	7.5	1.56%
QC value within limits for As 188.979 Recovery = 96.02%								
Ba 233.527†	56333.2	488	ug/L	4.0	488	ug/L	4.0	0.82%
QC value within limits for Ba 233.527 Recovery = 97.63%								
Be 234.861†	88591.7	489	ug/L	2.4	489	ug/L	2.4	0.49%
QC value within limits for Be 234.861 Recovery = 97.80%								
Ca 315.887†	248267.6	24100	ug/L	48.8	24100	ug/L	48.8	0.20%
QC value within limits for Ca 315.887 Recovery = 96.20%								
Cd 226.502†	4190.0	481	ug/L	4.2	481	ug/L	4.2	0.88%
QC value within limits for Cd 226.502 Recovery = 96.22%								
Co 228.616†	11296.8	482	ug/L	4.4	482	ug/L	4.4	0.91%
QC value within limits for Co 228.616 Recovery = 96.47%								
Cr 267.716†	14369.1	490	ug/L	3.0	490	ug/L	3.0	0.62%
QC value within limits for Cr 267.716 Recovery = 98.07%								
Cu 324.752†	134589.7	469	ug/L	2.4	469	ug/L	2.4	0.50%
QC value within limits for Cu 324.752 Recovery = 93.87%								
Fe 259.939†	506903.3	38600	ug/L	152.7	38600	ug/L	152.7	0.40%
QC value within limits for Fe 259.939 Recovery = 96.55%								
K 766.490†	102955.3	24300	ug/L	76.9	24300	ug/L	76.9	0.32%
QC value within limits for K 766.490 Recovery = 97.15%								
Li 460.286†	69250.7	4740	ug/L	16.9	4740	ug/L	16.9	0.36%
Mg 279.077†	244651.8	24500	ug/L	70.5	24500	ug/L	70.5	0.29%
QC value within limits for Mg 279.077 Recovery = 98.06%								
Mn 257.610†	257501.1	493	ug/L	1.3	493	ug/L	1.3	0.27%
QC value within limits for Mn 257.610 Recovery = 98.50%								
Mo 202.031†	1729.9	472	ug/L	3.0	472	ug/L	3.0	0.63%
QC value within limits for Mo 202.031 Recovery = 94.38%								
Na 589.592†	262610.1	23100	ug/L	84.2	23100	ug/L	84.2	0.36%
QC value within limits for Na 589.592 Recovery = 92.50%								
Ni 231.604†	4783.0	488	ug/L	3.0	488	ug/L	3.0	0.62%
QC value within limits for Ni 231.604 Recovery = 97.58%								
Pb 220.353†	722.0	485	ug/L	2.3	485	ug/L	2.3	0.48%
QC value within limits for Pb 220.353 Recovery = 96.92%								
Sb 206.836†	1000.2	473	ug/L	7.3	473	ug/L	7.3	1.54%
QC value within limits for Sb 206.836 Recovery = 94.59%								
Se 196.026†	482.5	491	ug/L	6.1	491	ug/L	6.1	1.24%
QC value within limits for Se 196.026 Recovery = 98.17%								
Sn 189.927†	608.0	378	ug/L	2.3	378	ug/L	2.3	0.61%
QC value within limits for Sn 189.927 Recovery = 94.40%								
Sr 421.552†	287737.6	387	ug/L	1.5	387	ug/L	1.5	0.39%
QC value within limits for Sr 421.552 Recovery = 96.68%								
Ti 334.940†	179605.3	391	ug/L	0.6	391	ug/L	0.6	0.16%
QC value within limits for Ti 334.940 Recovery = 97.64%								
Tl 190.801†	711.7	468	ug/L	4.8	468	ug/L	4.8	1.03%
QC value within limits for Tl 190.801 Recovery = 93.67%								
V 292.402†	13191.2	497	ug/L	3.9	497	ug/L	3.9	0.78%
QC value within limits for V 292.402 Recovery = 99.48%								
Zn 206.200†	7386.6	478	ug/L	4.1	478	ug/L	4.1	0.86%
QC value within limits for Zn 206.200 Recovery = 95.58%								

All analyte(s) passed QC.

Sequence No.: 68 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 6/14/2007 3:36:15 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1596609.6	102	%	0.5				0.44%
Sc Radial	202187.1	103	%	0.5				0.45%
Ag 328.068†	-261.3	-0.942	ug/L	0.1895	-0.942	ug/L	0.1895	20.12%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-5.3	-2.96	ug/L	4.056	-2.96	ug/L	4.056	137.13%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-1.6	-1.71	ug/L	1.511	-1.71	ug/L	1.511	88.57%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	47.6	0.575	ug/L	0.1077	0.575	ug/L	0.1077	18.74%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-4.4	0.120	ug/L	0.0225	0.120	ug/L	0.0225	18.82%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	522.7	47.4	ug/L	1.11	47.4	ug/L	1.11	2.35%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	-4.1	-0.054	ug/L	0.4669	-0.054	ug/L	0.4669	862.10%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	6.6	0.246	ug/L	0.0585	0.246	ug/L	0.0585	23.76%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	3.1	-0.436	ug/L	0.2973	-0.436	ug/L	0.2973	68.26%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	75.6	0.066	ug/L	0.0604	0.066	ug/L	0.0604	92.03%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	273.4	21.8	ug/L	0.46	21.8	ug/L	0.46	2.13%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	30.4	28.2	ug/L	4.57	28.2	ug/L	4.57	16.22%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	27.1	3.58	ug/L	5.683	3.58	ug/L	5.683	158.84%
Mg 279.077†	114.3	12.0	ug/L	1.82	12.0	ug/L	1.82	15.11%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	475.5	0.460	ug/L	0.0164	0.460	ug/L	0.0164	3.57%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	0.6	0.642	ug/L	0.0912	0.642	ug/L	0.0912	14.22%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	227.9	15.9	ug/L	2.39	15.9	ug/L	2.39	15.01%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	6.2	0.728	ug/L	0.5676	0.728	ug/L	0.5676	77.94%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-1.8	-0.395	ug/L	3.1191	-0.395	ug/L	3.1191	790.25%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-0.9	-5.80	ug/L	2.525	-5.80	ug/L	2.525	43.54%
QC value less than the lower limit for Sb 206.836 Recovery = Not calculated								
Se 196.026†	1.3	-0.929	ug/L	5.5033	-0.929	ug/L	5.5033	592.25%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	0.4	2.02	ug/L	1.094	2.02	ug/L	1.094	54.27%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	73.4	0.067	ug/L	0.0228	0.067	ug/L	0.0228	33.99%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	111.9	0.225	ug/L	0.0719	0.225	ug/L	0.0719	32.00%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	0.8	0.431	ug/L	2.5007	0.431	ug/L	2.5007	579.77%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	4.1	-0.061	ug/L	0.0423	-0.061	ug/L	0.0423	69.46%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	90.5	5.54	ug/L	0.283	5.54	ug/L	0.283	5.11%
QC value greater than the upper limit for Zn 206.200 Recovery = Not calculated								

QC Failed. Retry.

Sequence No.: 69 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 6/14/2007 3:39:14 PM**

Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1593237.4	102	%	0.1				0.13%
Sc Radial	200386.3	102	%	0.5				0.50%
Ag 328.068†	-263.0	-0.958	ug/L	0.0283	-0.958	ug/L	0.0283	2.96%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-0.5	-1.16	ug/L	2.773	-1.16	ug/L	2.773	238.13%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	0.3	-0.308	ug/L	2.0922	-0.308	ug/L	2.0922	679.63%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	45.4	0.556	ug/L	0.0155	0.556	ug/L	0.0155	2.79%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-11.1	0.082	ug/L	0.0100	0.082	ug/L	0.0100	12.08%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	540.1	49.1	ug/L	0.65	49.1	ug/L	0.65	1.32%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	-3.4	0.030	ug/L	0.4932	0.030	ug/L	0.4932	>999.9%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	6.9	0.260	ug/L	0.0914	0.260	ug/L	0.0914	35.23%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	5.3	-0.361	ug/L	0.1992	-0.361	ug/L	0.1992	55.20%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	95.0	0.133	ug/L	0.1276	0.133	ug/L	0.1276	95.59%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	263.1	21.1	ug/L	0.18	21.1	ug/L	0.18	0.87%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	6.0	22.4	ug/L	9.32	22.4	ug/L	9.32	41.54%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	-35.1	-0.846	ug/L	2.4834	-0.846	ug/L	2.4834	293.57%
Mg 279.077†	122.7	12.9	ug/L	1.23	12.9	ug/L	1.23	9.55%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	465.9	0.441	ug/L	0.0055	0.441	ug/L	0.0055	1.24%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-1.0	0.209	ug/L	0.1194	0.209	ug/L	0.1194	57.05%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	181.5	11.8	ug/L	3.37	11.8	ug/L	3.37	28.54%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	8.5	0.957	ug/L	0.3590	0.957	ug/L	0.3590	37.52%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-7.2	-4.01	ug/L	1.815	-4.01	ug/L	1.815	45.23%
QC value less than the lower limit for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-0.8	-5.76	ug/L	1.408	-5.76	ug/L	1.408	24.43%
QC value less than the lower limit for Sb 206.836 Recovery = Not calculated								
Se 196.026†	5.0	2.70	ug/L	2.005	2.70	ug/L	2.005	74.21%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	0.3	1.98	ug/L	1.981	1.98	ug/L	1.981	100.20%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	80.2	0.076	ug/L	0.0432	0.076	ug/L	0.0432	56.64%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	123.4	0.250	ug/L	0.0730	0.250	ug/L	0.0730	29.23%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-2.0	-1.46	ug/L	2.422	-1.46	ug/L	2.422	166.08%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-4.9	-0.399	ug/L	0.1622	-0.399	ug/L	0.1622	40.69%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	85.5	5.22	ug/L	0.208	5.22	ug/L	0.208	3.99%
QC value greater than the upper limit for Zn 206.200 Recovery = Not calculated								

QC Failed. Continue with analysis.

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Sequence No.: 70
Sample ID: 250690205
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 79
Date Collected: 6/14/2007 3:43:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250690205

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1607468.1	102	%	0.3				0.25%
Sc Radial	204037.2	104	%	0.4				0.42%
Ag 328.068†	-272.9	-0.874	ug/L	0.1271	-0.874	ug/L	0.1271	14.55%
Al 308.215†	205.0	75.5	ug/L	0.31	75.5	ug/L	0.31	0.41%
As 188.979†	-6.6	-7.04	ug/L	1.936	-7.04	ug/L	1.936	27.52%
Ba 233.527†	5047.2	43.7	ug/L	0.12	43.7	ug/L	0.12	0.28%
Be 234.861†	-19.8	0.035	ug/L	0.0234	0.035	ug/L	0.0234	67.64%
Ca 315.887†	452080.1	43800	ug/L	126.4	43800	ug/L	126.4	0.29%
Cd 226.502†	60.1	-0.010	ug/L	0.4320	-0.010	ug/L	0.4320	>999.9%
Co 228.616†	2.8	0.127	ug/L	0.0780	0.127	ug/L	0.0780	61.37%
Cr 267.716†	-10.6	-0.832	ug/L	0.5308	-0.832	ug/L	0.5308	63.81%
Cu 324.752†	69.4	0.664	ug/L	0.1213	0.664	ug/L	0.1213	18.28%
Fe 259.939†	218.9	17.7	ug/L	0.31	17.7	ug/L	0.31	1.73%
K 766.490†	18098.3	4290	ug/L	8.1	4290	ug/L	8.1	0.19%
Li 460.286†	-9.6	-1.58	ug/L	2.314	-1.58	ug/L	2.314	146.30%
Mg 279.077†	99575.9	9970	ug/L	67.2	9970	ug/L	67.2	0.67%
Mn 257.610†	154184.2	295	ug/L	0.2	295	ug/L	0.2	0.06%
Mo 202.031†	-12.8	-3.01	ug/L	2.645	-3.01	ug/L	2.645	87.85%
Na 589.592†	59438.9	5230	ug/L	7.5	5230	ug/L	7.5	0.14%
Ni 231.604†	10.4	1.15	ug/L	0.092	1.15	ug/L	0.092	8.01%
Pb 220.353†	-4.9	2.38	ug/L	2.877	2.38	ug/L	2.877	120.75%
Sb 206.836†	19.8	2.49	ug/L	2.437	2.49	ug/L	2.437	97.72%
Se 196.026†	-5.1	-7.66	ug/L	5.161	-7.66	ug/L	5.161	67.37%
Sn 189.927†	-5.3	-0.481	ug/L	0.5212	-0.481	ug/L	0.5212	108.33%
Sr 421.552†	1538200.8	2070	ug/L	7.7	2070	ug/L	7.7	0.37%
Ti 334.940†	407.5	0.867	ug/L	0.0526	0.867	ug/L	0.0526	6.06%
Tl 190.801†	-3.1	-2.73	ug/L	1.433	-2.73	ug/L	1.433	52.47%
V 292.402†	17.6	0.404	ug/L	0.3231	0.404	ug/L	0.3231	79.93%
Zn 206.200†	549.7	36.0	ug/L	0.12	36.0	ug/L	0.12	0.34%

Sequence No.: 71
Sample ID: 250690205L
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 80
Date Collected: 6/14/2007 3:48:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250690205L

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1578514.1	101	%	0.2				0.15%
Sc Radial	199420.5	101	%	0.3				0.25%
Ag 328.068†	-260.2	-0.896	ug/L	0.1389	-4.48	ug/L	0.695	15.51%
Al 308.215†	36.4	12.6	ug/L	2.42	62.9	ug/L	12.11	19.25%
As 188.979†	-2.0	-2.39	ug/L	2.464	-12.0	ug/L	12.32	103.02%
Ba 233.527†	1056.0	9.28	ug/L	0.053	46.4	ug/L	0.26	0.57%
Be 234.861†	-25.9	0.001	ug/L	0.0265	0.006	ug/L	0.1326	>999.9%
Ca 315.887†	95829.9	9280	ug/L	39.5	46400	ug/L	197.3	0.43%
Cd 226.502†	14.0	0.495	ug/L	0.3266	2.47	ug/L	1.633	66.04%
Co 228.616†	6.1	0.235	ug/L	0.0895	1.18	ug/L	0.447	38.00%
Cr 267.716†	6.9	-0.291	ug/L	0.4894	-1.45	ug/L	2.447	168.35%
Cu 324.752†	365.7	1.21	ug/L	0.110	6.03	ug/L	0.551	9.14%
Fe 259.939†	42.4	4.24	ug/L	0.378	21.2	ug/L	1.89	8.92%
K 766.490†	3600.6	870	ug/L	8.6	4350	ug/L	42.8	0.98%
Li 460.286†	-17.7	-0.070	ug/L	4.2204	-0.348	ug/L	21.1018	>999.9%
Mg 279.077†	20907.6	2090	ug/L	8.9	10500	ug/L	44.7	0.43%
Mn 257.610†	40507.8	77.2	ug/L	0.13	386	ug/L	0.7	0.17%
Mo 202.031†	-6.4	-1.26	ug/L	0.676	-6.30	ug/L	3.380	53.66%
Na 589.592†	13534.8	1190	ug/L	5.3	5940	ug/L	26.5	0.45%
Ni 231.604†	1.9	0.283	ug/L	0.5164	1.41	ug/L	2.582	182.51%
Pb 220.353†	-0.4	1.58	ug/L	2.313	7.92	ug/L	11.566	146.03%
Sb 206.836†	12.2	0.090	ug/L	0.1207	0.450	ug/L	0.6033	134.10%
Se 196.026†	-0.6	-2.96	ug/L	3.789	-14.8	ug/L	18.95	128.14%
Sn 189.927†	-4.8	-0.972	ug/L	1.3803	-4.86	ug/L	6.902	142.08%
Sr 421.552†	324309.1	436	ug/L	1.7	2180	ug/L	8.4	0.39%
Ti 334.940†	188.0	0.390	ug/L	0.1081	1.95	ug/L	0.540	27.71%
Tl 190.801†	0.1	-0.152	ug/L	1.9816	-0.762	ug/L	9.9080	>999.9%
V 292.402†	11.3	0.189	ug/L	0.3476	0.943	ug/L	1.7381	184.28%
Zn 206.200†	196.1	12.5	ug/L	0.30	62.7	ug/L	1.51	2.41%

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Sequence No.: 72 **Autosampler Location: 81**
Sample ID: 250690206 **Date Collected: 6/14/2007 3:52:48 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250690206

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1572877.9	100	%	0.1				0.11%
Sc Radial	202687.4	103	%	0.3				0.32%
Ag 328.068†	20553.3	191	ug/L	1.3	191	ug/L	1.3	0.67%
Al 308.215†	126163.2	47100	ug/L	28.3	47100	ug/L	28.3	0.06%
As 188.979†	629.5	463	ug/L	0.8	463	ug/L	0.8	0.17%
Ba 233.527†	167598.0	1450	ug/L	1.8	1450	ug/L	1.8	0.13%
Be 234.861†	87568.0	483	ug/L	4.1	483	ug/L	4.1	0.85%
Ca 315.887†	915450.0	88700	ug/L	203.0	88700	ug/L	203.0	0.23%
Cd 226.502†	4117.2	461	ug/L	1.6	461	ug/L	1.6	0.36%
Co 228.616†	10678.2	456	ug/L	2.0	456	ug/L	2.0	0.45%
Cr 267.716†	13451.2	459	ug/L	2.9	459	ug/L	2.9	0.63%
Cu 324.752†	131536.4	460	ug/L	1.6	460	ug/L	1.6	0.35%
Fe 259.939†	621586.1	47400	ug/L	64.0	47400	ug/L	64.0	0.14%
K 766.490†	224411.8	52900	ug/L	60.0	52900	ug/L	60.0	0.11%
Li 460.286†	68373.7	4630	ug/L	9.1	4630	ug/L	9.1	0.20%
Mg 279.077†	572892.0	57400	ug/L	217.1	57400	ug/L	217.1	0.38%
Mn 257.610†	395125.2	755	ug/L	1.6	755	ug/L	1.6	0.22%
Mo 202.031†	1635.2	447	ug/L	1.4	447	ug/L	1.4	0.31%
Na 589.592†	583327.3	51400	ug/L	86.4	51400	ug/L	86.4	0.17%
Ni 231.604†	4457.8	455	ug/L	2.1	455	ug/L	2.1	0.46%
Pb 220.353†	699.6	476	ug/L	1.8	476	ug/L	1.8	0.38%
Sb 206.836†	992.4	467	ug/L	0.8	467	ug/L	0.8	0.16%
Se 196.026†	492.8	506	ug/L	1.3	506	ug/L	1.3	0.25%
Sn 189.927†	752.1	468	ug/L	3.7	468	ug/L	3.7	0.78%
Sr 421.552†	1881520.9	2530	ug/L	10.6	2530	ug/L	10.6	0.42%
Ti 334.940†	214045.4	465	ug/L	1.3	465	ug/L	1.3	0.29%
Tl 190.801†	691.6	455	ug/L	7.7	455	ug/L	7.7	1.69%
V 292.402†	12790.0	483	ug/L	1.4	483	ug/L	1.4	0.30%
Zn 206.200†	7639.0	494	ug/L	2.3	494	ug/L	2.3	0.46%

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Sequence No.: 73 **Autosampler Location: 82**
Sample ID: 250690207 **Date Collected: 6/14/2007 3:57:08 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250690207

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1538393.2	98.0	%	0.17				0.18%
Sc Radial	201023.9	102	%	0.1				0.14%
Ag 328.068†	21101.9	196	ug/L	0.7	196	ug/L	0.7	0.33%
Al 308.215†	135477.9	50600	ug/L	12.9	50600	ug/L	12.9	0.03%
As 188.979†	658.5	485	ug/L	4.2	485	ug/L	4.2	0.88%
Ba 233.527†	176066.5	1520	ug/L	2.2	1520	ug/L	2.2	0.14%
Be 234.861†	92764.2	512	ug/L	1.4	512	ug/L	1.4	0.28%
Ca 315.887†	967819.3	93800	ug/L	129.7	93800	ug/L	129.7	0.14%
Cd 226.502†	4293.9	480	ug/L	1.2	480	ug/L	1.2	0.24%
Co 228.616†	11188.0	478	ug/L	3.1	478	ug/L	3.1	0.64%
Cr 267.716†	14236.3	486	ug/L	2.1	486	ug/L	2.1	0.42%
Cu 324.752†	139898.4	489	ug/L	1.5	489	ug/L	1.5	0.31%
Fe 259.939†	665856.1	50700	ug/L	68.2	50700	ug/L	68.2	0.13%
K 766.490†	237107.0	55900	ug/L	39.9	55900	ug/L	39.9	0.07%
Li 460.286†	71811.5	4860	ug/L	13.4	4860	ug/L	13.4	0.28%
Mg 279.077†	604018.8	60500	ug/L	202.2	60500	ug/L	202.2	0.33%
Mn 257.610†	429139.7	820	ug/L	0.9	820	ug/L	0.9	0.11%
Mo 202.031†	1718.4	469	ug/L	1.7	469	ug/L	1.7	0.35%
Na 589.592†	618392.4	54500	ug/L	103.8	54500	ug/L	103.8	0.19%
Ni 231.604†	4700.9	479	ug/L	2.0	479	ug/L	2.0	0.42%
Pb 220.353†	719.1	490	ug/L	5.0	490	ug/L	5.0	1.02%
Sb 206.836†	1044.0	492	ug/L	2.4	492	ug/L	2.4	0.49%
Se 196.026†	517.3	531	ug/L	7.1	531	ug/L	7.1	1.35%
Sn 189.927†	792.3	493	ug/L	2.7	493	ug/L	2.7	0.55%
Sr 421.552†	1923491.1	2590	ug/L	6.1	2590	ug/L	6.1	0.24%
Ti 334.940†	226624.7	493	ug/L	0.4	493	ug/L	0.4	0.08%
Tl 190.801†	722.2	474	ug/L	2.6	474	ug/L	2.6	0.55%
V 292.402†	13508.5	510	ug/L	3.3	510	ug/L	3.3	0.65%
Zn 206.200†	8084.9	523	ug/L	2.8	523	ug/L	2.8	0.53%

Sequence No.: 74
Sample ID: 250690205A
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 83
Date Collected: 6/14/2007 4:01:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250690205A

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1566158.4	99.8	%	0.09				0.09%
Sc Radial	203574.9	103	%	0.2				0.17%
Ag 328.068†	5358.4	53.1	ug/L	0.34	53.1	ug/L	0.34	0.64%
Al 308.215†	125155.9	46700	ug/L	135.0	46700	ug/L	135.0	0.29%
As 188.979†	620.5	457	ug/L	3.7	457	ug/L	3.7	0.80%
Ba 233.527†	168036.0	1450	ug/L	3.5	1450	ug/L	3.5	0.24%
Be 234.861†	88478.9	488	ug/L	3.0	488	ug/L	3.0	0.62%
Ca 315.887†	907199.4	87900	ug/L	160.1	87900	ug/L	160.1	0.18%
Cd 226.502†	4099.6	459	ug/L	1.5	459	ug/L	1.5	0.32%
Co 228.616†	10724.4	458	ug/L	3.1	458	ug/L	3.1	0.67%
Cr 267.716†	13589.0	464	ug/L	1.1	464	ug/L	1.1	0.23%
Cu 324.752†	133039.6	465	ug/L	2.0	465	ug/L	2.0	0.43%
Fe 259.939†	615595.6	46900	ug/L	256.4	46900	ug/L	256.4	0.55%
K 766.490†	220309.0	51900	ug/L	178.1	51900	ug/L	178.1	0.34%
Li 460.286†	68418.5	4640	ug/L	11.0	4640	ug/L	11.0	0.24%
Mg 279.077†	563291.5	56400	ug/L	225.9	56400	ug/L	225.9	0.40%
Mn 257.610†	400074.6	765	ug/L	1.9	765	ug/L	1.9	0.25%
Mo 202.031†	1626.8	444	ug/L	3.0	444	ug/L	3.0	0.67%
Na 589.592†	574559.1	50600	ug/L	130.1	50600	ug/L	130.1	0.26%
Ni 231.604†	4496.8	459	ug/L	1.5	459	ug/L	1.5	0.33%
Pb 220.353†	696.0	474	ug/L	2.2	474	ug/L	2.2	0.47%
Sb 206.836†	982.0	462	ug/L	2.1	462	ug/L	2.1	0.45%
Se 196.026†	485.2	498	ug/L	6.0	498	ug/L	6.0	1.20%
Sn 189.927†	759.9	473	ug/L	2.4	473	ug/L	2.4	0.50%
Sr 421.552†	1820636.3	2450	ug/L	6.1	2450	ug/L	6.1	0.25%
Ti 334.940†	216129.6	470	ug/L	0.8	470	ug/L	0.8	0.17%
Tl 190.801†	682.8	449	ug/L	3.0	449	ug/L	3.0	0.68%
V 292.402†	12944.8	489	ug/L	2.2	489	ug/L	2.2	0.44%
Zn 206.200†	7690.7	498	ug/L	3.2	498	ug/L	3.2	0.64%

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Sequence No.: 75 **Autosampler Location: 89**
Sample ID: 250694601 **Date Collected: 6/14/2007 4:05:46 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250694601

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1557340.0	99.3	%	0.64				0.64%
Sc Radial	199723.6	101	%	1.2				1.20%
Ag 328.068†	-301.6	-1.21	ug/L	0.098	-1.21	ug/L	0.098	8.10%
Al 308.215†	1882.9	702	ug/L	9.8	702	ug/L	9.8	1.39%
As 188.979†	-4.4	-4.09	ug/L	1.455	-4.09	ug/L	1.455	35.57%
Ba 233.527†	2701.5	23.5	ug/L	0.16	23.5	ug/L	0.16	0.68%
Be 234.861†	-2.1	0.085	ug/L	0.0206	0.085	ug/L	0.0206	24.27%
Ca 315.887†	112813.3	10900	ug/L	197.9	10900	ug/L	197.9	1.81%
Cd 226.502†	14.0	0.125	ug/L	0.4507	0.125	ug/L	0.4507	359.89%
Co 228.616†	7.1	0.254	ug/L	0.2039	0.254	ug/L	0.2039	80.44%
Cr 267.716†	40.3	0.858	ug/L	0.1338	0.858	ug/L	0.1338	15.60%
Cu 324.752†	224.6	0.772	ug/L	0.1939	0.772	ug/L	0.1939	25.10%
Fe 259.939†	14635.3	1120	ug/L	18.4	1120	ug/L	18.4	1.65%
K 766.490†	9181.9	2190	ug/L	26.2	2190	ug/L	26.2	1.20%
Li 460.286†	22.6	-2.72	ug/L	4.735	-2.72	ug/L	4.735	173.87%
Mg 279.077†	31785.8	3180	ug/L	27.7	3180	ug/L	27.7	0.87%
Mn 257.610†	4050.7	7.21	ug/L	0.056	7.21	ug/L	0.056	0.78%
Mo 202.031†	-3.8	-0.492	ug/L	0.2713	-0.492	ug/L	0.2713	55.11%
Na 589.592†	95828.4	8440	ug/L	155.3	8440	ug/L	155.3	1.84%
Ni 231.604†	9.8	1.07	ug/L	0.701	1.07	ug/L	0.701	65.69%
Pb 220.353†	3.1	4.00	ug/L	6.224	4.00	ug/L	6.224	155.49%
Sb 206.836†	15.3	1.53	ug/L	0.599	1.53	ug/L	0.599	39.25%
Se 196.026†	-0.2	-1.75	ug/L	1.795	-1.75	ug/L	1.795	102.81%
Sn 189.927†	-2.6	0.437	ug/L	0.5434	0.437	ug/L	0.5434	124.24%
Sr 421.552†	59965.8	80.5	ug/L	1.59	80.5	ug/L	1.59	1.97%
Ti 334.940†	1277.2	2.76	ug/L	0.109	2.76	ug/L	0.109	3.93%
Tl 190.801†	4.1	2.58	ug/L	0.465	2.58	ug/L	0.465	18.04%
V 292.402†	50.9	1.78	ug/L	0.168	1.78	ug/L	0.168	9.40%
Zn 206.200†	13.1	0.719	ug/L	0.2284	0.719	ug/L	0.2284	31.77%

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Sequence No.: 76
Sample ID: 250682906
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 17
Date Collected: 6/14/2007 4:09:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250682906

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1574350.1	100	%	0.9				0.86%
Sc Radial	198586.9	101	%	2.6				2.53%
Ag 328.068†	-324.1	-0.557	ug/L	0.2346	-2.79	ug/L	1.173	42.09%
Al 308.215†	2279.7	850	ug/L	31.8	4250	ug/L	158.9	3.74%
As 188.979†	-11.7	-16.9	ug/L	1.85	-84.3	ug/L	9.23	10.95%
Ba 233.527†	741.2	5.97	ug/L	0.125	29.8	ug/L	0.62	2.09%
Be 234.861†	14.6	0.139	ug/L	0.0227	0.693	ug/L	0.1133	16.35%
Ca 315.887†	2204719.5	214000	ug/L	6933.4	1070000	ug/L	34666.9	3.25%
Cd 226.502†	135.1	-20.3	ug/L	1.20	-102	ug/L	6.0	5.91%
Co 228.616†	16.5	0.584	ug/L	0.1654	2.92	ug/L	0.827	28.29%
Cr 267.716†	394.6	12.9	ug/L	0.67	64.7	ug/L	3.35	5.17%
Cu 324.752†	3715.6	16.0	ug/L	0.18	79.9	ug/L	0.92	1.15%
Fe 259.939†	26423.2	2010	ug/L	71.8	10100	ug/L	359.1	3.57%
K 766.490†	493.9	137	ug/L	9.1	687	ug/L	45.3	6.59%
Li 460.286†	267.7	-1.55	ug/L	3.659	-7.77	ug/L	18.296	235.39%
Mg 279.077†	19549.6	1960	ug/L	39.0	9790	ug/L	195.0	1.99%
Mn 257.610†	21434.0	40.6	ug/L	0.36	203	ug/L	1.8	0.87%
Mo 202.031†	-20.7	-5.05	ug/L	0.979	-25.2	ug/L	4.89	19.39%
Na 589.592†	4750.7	414	ug/L	16.5	2070	ug/L	82.5	3.98%
Ni 231.604†	20.5	2.15	ug/L	0.238	10.7	ug/L	1.19	11.08%
Pb 220.353†	31.3	46.0	ug/L	2.80	230	ug/L	14.0	6.08%
Sb 206.836†	18.9	-4.29	ug/L	5.490	-21.5	ug/L	27.45	127.93%
Se 196.026†	-14.5	-15.3	ug/L	5.17	-76.6	ug/L	25.87	33.80%
Sn 189.927†	-14.6	-2.18	ug/L	2.838	-10.9	ug/L	14.19	129.98%
Sr 421.552†	262663.3	349	ug/L	11.4	1750	ug/L	56.9	3.26%
Ti 334.940†	7077.7	15.4	ug/L	0.08	76.9	ug/L	0.38	0.50%
Tl 190.801†	-4.4	-3.27	ug/L	0.337	-16.4	ug/L	1.68	10.28%
V 292.402†	231.1	8.53	ug/L	0.271	42.7	ug/L	1.35	3.18%
Zn 206.200†	2197.2	147	ug/L	0.9	737	ug/L	4.5	0.61%

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Sequence No.: 77 **Autosampler Location: 18**
Sample ID: 250682906L **Date Collected: 6/14/2007 4:14:12 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 25X **Sample Prep Vol:**

Mean Data: 250682906L

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1556370.8	99.2	%	0.18				0.18%
Sc Radial	197673.2	100	%	0.2				0.23%
Ag 328.068†	-280.4	-0.892	ug/L	0.0823	-22.3	ug/L	2.06	9.23%
Al 308.215†	563.5	209	ug/L	0.8	5230	ug/L	20.5	0.39%
As 188.979†	-6.1	-6.83	ug/L	0.769	-171	ug/L	19.2	11.26%
Ba 233.527†	158.7	1.39	ug/L	0.017	34.8	ug/L	0.43	1.23%
Be 234.861†	-19.5	0.015	ug/L	0.0203	0.381	ug/L	0.5081	133.32%
Ca 315.887†	513469.0	49700	ug/L	97.6	1240000	ug/L	2439.1	0.20%
Cd 226.502†	65.8	-0.402	ug/L	0.9484	-10.0	ug/L	23.71	236.08%
Co 228.616†	3.9	0.108	ug/L	0.4841	2.70	ug/L	12.103	448.67%
Cr 267.716†	89.1	2.50	ug/L	0.237	62.6	ug/L	5.93	9.47%
Cu 324.752†	901.4	3.70	ug/L	0.063	92.4	ug/L	1.57	1.70%
Fe 259.939†	6519.3	498	ug/L	1.3	12400	ug/L	32.6	0.26%
K 766.490†	-11.3	18.4	ug/L	7.62	459	ug/L	190.6	41.52%
Li 460.286†	-19.2	-4.96	ug/L	5.120	-124	ug/L	128.0	103.23%
Mg 279.077†	4600.8	461	ug/L	4.0	11500	ug/L	99.5	0.86%
Mn 257.610†	8263.6	15.4	ug/L	0.10	384	ug/L	2.5	0.65%
Mo 202.031†	-7.1	-1.43	ug/L	1.038	-35.7	ug/L	25.95	72.75%
Na 589.592†	1456.1	124	ug/L	2.6	3100	ug/L	66.0	2.13%
Ni 231.604†	4.9	0.583	ug/L	0.6741	14.6	ug/L	16.85	115.69%
Pb 220.353†	7.0	11.1	ug/L	0.53	278	ug/L	13.4	4.81%
Sb 206.836†	17.7	1.22	ug/L	2.092	30.4	ug/L	52.30	171.79%
Se 196.026†	-8.0	-9.77	ug/L	4.298	-244	ug/L	107.4	43.99%
Sn 189.927†	-8.5	-2.28	ug/L	2.482	-56.9	ug/L	62.04	109.05%
Sr 421.552†	60963.9	81.0	ug/L	0.16	2030	ug/L	4.1	0.20%
Ti 334.940†	1866.0	4.04	ug/L	0.042	101	ug/L	1.1	1.05%
Tl 190.801†	-1.7	-1.30	ug/L	2.347	-32.6	ug/L	58.69	179.93%
V 292.402†	52.4	1.77	ug/L	0.290	44.2	ug/L	7.26	16.42%
Zn 206.200†	572.2	38.0	ug/L	0.40	950	ug/L	10.1	1.06%

Sequence No.: 78
Sample ID: 250682907
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 19
Date Collected: 6/14/2007 4:18:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250682907

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1517573.0	96.7	%	0.69				0.71%
Sc Radial	190730.2	96.9	%	0.47				0.49%
Ag 328.068†	4004.8	39.7	ug/L	0.22	199	ug/L	1.1	0.56%
Al 308.215†	25361.8	9470	ug/L	29.1	47300	ug/L	145.3	0.31%
As 188.979†	112.7	70.7	ug/L	1.47	353	ug/L	7.3	2.07%
Ba 233.527†	31156.9	269	ug/L	3.6	1340	ug/L	17.8	1.33%
Be 234.861†	16221.0	89.5	ug/L	1.58	447	ug/L	7.9	1.77%
Ca 315.887†	3523295.0	341000	ug/L	2330.3	1710000	ug/L	11651.7	0.68%
Cd 226.502†	923.1	49.0	ug/L	0.44	245	ug/L	2.2	0.90%
Co 228.616†	1968.7	84.0	ug/L	0.55	420	ug/L	2.7	0.65%
Cr 267.716†	2884.5	98.1	ug/L	0.89	490	ug/L	4.5	0.91%
Cu 324.752†	27866.5	102	ug/L	1.5	511	ug/L	7.3	1.42%
Fe 259.939†	153037.1	11700	ug/L	19.0	58300	ug/L	94.9	0.16%
K 766.490†	44254.3	10500	ug/L	40.2	52300	ug/L	201.1	0.38%
Li 460.286†	14012.1	923	ug/L	12.5	4610	ug/L	62.7	1.36%
Mg 279.077†	119897.7	12000	ug/L	96.3	60100	ug/L	481.4	0.80%
Mn 257.610†	73957.7	141	ug/L	2.0	705	ug/L	9.8	1.40%
Mo 202.031†	287.1	79.0	ug/L	3.42	395	ug/L	17.1	4.33%
Na 589.592†	113811.9	10000	ug/L	40.6	50100	ug/L	203.0	0.41%
Ni 231.604†	840.9	85.8	ug/L	1.00	429	ug/L	5.0	1.17%
Pb 220.353†	158.2	145	ug/L	7.1	725	ug/L	35.7	4.92%
Sb 206.836†	182.7	69.6	ug/L	3.89	348	ug/L	19.5	5.59%
Se 196.026†	87.9	90.2	ug/L	8.08	451	ug/L	40.4	8.95%
Sn 189.927†	127.0	88.2	ug/L	1.94	441	ug/L	9.7	2.20%
Sr 421.552†	427721.7	569	ug/L	4.4	2840	ug/L	21.8	0.77%
Ti 334.940†	41286.2	89.8	ug/L	1.16	449	ug/L	5.8	1.29%
Tl 190.801†	140.3	92.3	ug/L	2.65	461	ug/L	13.2	2.87%
V 292.402†	2770.3	104	ug/L	1.3	522	ug/L	6.3	1.21%
Zn 206.200†	3243.3	218	ug/L	2.0	1090	ug/L	9.8	0.90%

Sequence No.: 79
Sample ID: 250682908
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 20
Date Collected: 6/14/2007 4:22:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250682908

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1563257.1	99.6	%	0.30				0.31%
Sc Radial	199151.7	101	%	0.4				0.38%
Ag 328.068†	3882.3	38.0	ug/L	0.25	190	ug/L	1.2	0.64%
Al 308.215†	22553.0	8420	ug/L	32.6	42100	ug/L	163.0	0.39%
As 188.979†	101.4	67.1	ug/L	0.86	336	ug/L	4.3	1.28%
Ba 233.527†	28948.9	250	ug/L	0.9	1250	ug/L	4.3	0.34%
Be 234.861†	14537.7	80.2	ug/L	1.46	401	ug/L	7.3	1.81%
Ca 315.887†	2160660.9	209000	ug/L	1817.0	1050000	ug/L	9085.0	0.87%
Cd 226.502†	890.1	67.7	ug/L	0.76	338	ug/L	3.8	1.12%
Co 228.616†	1785.7	76.2	ug/L	0.28	381	ug/L	1.4	0.37%
Cr 267.716†	2512.5	85.3	ug/L	0.75	427	ug/L	3.7	0.88%
Cu 324.752†	25883.1	93.2	ug/L	0.71	466	ug/L	3.5	0.76%
Fe 259.939†	133235.8	10200	ug/L	39.5	50800	ug/L	197.7	0.39%
K 766.490†	41563.7	9820	ug/L	33.0	49100	ug/L	164.9	0.34%
Li 460.286†	12950.9	862	ug/L	5.5	4310	ug/L	27.7	0.64%
Mg 279.077†	97097.4	9730	ug/L	31.5	48600	ug/L	157.3	0.32%
Mn 257.610†	63387.9	121	ug/L	0.9	604	ug/L	4.6	0.76%
Mo 202.031†	269.3	74.1	ug/L	1.52	370	ug/L	7.6	2.05%
Na 589.592†	107177.0	9440	ug/L	27.5	47200	ug/L	137.7	0.29%
Ni 231.604†	760.3	77.6	ug/L	0.34	388	ug/L	1.7	0.44%
Pb 220.353†	164.4	134	ug/L	3.9	670	ug/L	19.3	2.88%
Sb 206.836†	150.7	59.2	ug/L	2.78	296	ug/L	13.9	4.70%
Se 196.026†	86.9	88.4	ug/L	7.60	442	ug/L	38.0	8.60%
Sn 189.927†	114.2	77.2	ug/L	2.61	386	ug/L	13.1	3.38%
Sr 421.552†	332994.2	444	ug/L	3.6	2220	ug/L	17.8	0.80%
Ti 334.940†	36184.0	78.7	ug/L	0.83	393	ug/L	4.1	1.05%
Tl 190.801†	129.1	85.0	ug/L	0.14	425	ug/L	0.7	0.16%
V 292.402†	2326.1	87.8	ug/L	0.45	439	ug/L	2.2	0.51%
Zn 206.200†	3742.0	247	ug/L	0.5	1230	ug/L	2.5	0.20%

Sequence No.: 80 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 6/14/2007 4:27:07 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1568653.4	100.0	%	0.54				0.54%
Sc Radial	199842.9	102	%	0.2				0.22%
Ag 328.068†	52963.5	484	ug/L	3.5	484	ug/L	3.5	0.73%
QC value within limits for Ag 328.068 Recovery = 96.77%								
Al 308.215†	64230.7	24000	ug/L	96.4	24000	ug/L	96.4	0.40%
QC value within limits for Al 308.215 Recovery = 95.92%								
As 188.979†	636.9	471	ug/L	2.8	471	ug/L	2.8	0.59%
QC value within limits for As 188.979 Recovery = 94.17%								
Ba 233.527†	55694.8	483	ug/L	3.6	483	ug/L	3.6	0.74%
QC value within limits for Ba 233.527 Recovery = 96.52%								
Be 234.861†	86965.5	480	ug/L	4.9	480	ug/L	4.9	1.03%
QC value within limits for Be 234.861 Recovery = 96.00%								
Ca 315.887†	248186.8	24000	ug/L	40.7	24000	ug/L	40.7	0.17%
QC value within limits for Ca 315.887 Recovery = 96.17%								
Cd 226.502†	4131.2	474	ug/L	3.0	474	ug/L	3.0	0.63%
QC value within limits for Cd 226.502 Recovery = 94.85%								
Co 228.616†	11239.9	480	ug/L	3.2	480	ug/L	3.2	0.66%
QC value within limits for Co 228.616 Recovery = 95.99%								
Cr 267.716†	14264.8	487	ug/L	1.7	487	ug/L	1.7	0.34%
QC value within limits for Cr 267.716 Recovery = 97.36%								
Cu 324.752†	133171.3	464	ug/L	1.3	464	ug/L	1.3	0.27%
QC value within limits for Cu 324.752 Recovery = 92.88%								
Fe 259.939†	508187.2	38700	ug/L	201.9	38700	ug/L	201.9	0.52%
QC value within limits for Fe 259.939 Recovery = 96.79%								
K 766.490†	103395.7	24400	ug/L	19.7	24400	ug/L	19.7	0.08%
QC value within limits for K 766.490 Recovery = 97.56%								
Li 460.286†	68569.2	4690	ug/L	9.5	4690	ug/L	9.5	0.20%
Mg 279.077†	243627.0	24400	ug/L	31.5	24400	ug/L	31.5	0.13%
QC value within limits for Mg 279.077 Recovery = 97.65%								
Mn 257.610†	253782.6	485	ug/L	2.6	485	ug/L	2.6	0.53%
QC value within limits for Mn 257.610 Recovery = 97.08%								
Mo 202.031†	1701.1	464	ug/L	1.5	464	ug/L	1.5	0.32%
QC value within limits for Mo 202.031 Recovery = 92.82%								
Na 589.592†	264439.3	23300	ug/L	38.6	23300	ug/L	38.6	0.17%
QC value within limits for Na 589.592 Recovery = 93.14%								
Ni 231.604†	4713.1	481	ug/L	3.6	481	ug/L	3.6	0.75%
QC value within limits for Ni 231.604 Recovery = 96.15%								
Pb 220.353†	716.4	481	ug/L	7.0	481	ug/L	7.0	1.45%
QC value within limits for Pb 220.353 Recovery = 96.16%								
Sb 206.836†	989.0	467	ug/L	1.8	467	ug/L	1.8	0.38%
QC value within limits for Sb 206.836 Recovery = 93.50%								
Se 196.026†	482.1	490	ug/L	7.3	490	ug/L	7.3	1.48%
QC value within limits for Se 196.026 Recovery = 98.09%								
Sn 189.927†	600.7	373	ug/L	4.4	373	ug/L	4.4	1.19%
QC value within limits for Sn 189.927 Recovery = 93.27%								
Sr 421.552†	289433.6	389	ug/L	0.8	389	ug/L	0.8	0.21%
QC value within limits for Sr 421.552 Recovery = 97.25%								
Ti 334.940†	176827.7	385	ug/L	2.1	385	ug/L	2.1	0.54%
QC value within limits for Ti 334.940 Recovery = 96.13%								
Tl 190.801†	700.9	461	ug/L	3.4	461	ug/L	3.4	0.74%
QC value within limits for Tl 190.801 Recovery = 92.23%								
V 292.402†	13084.7	493	ug/L	2.8	493	ug/L	2.8	0.57%
QC value within limits for V 292.402 Recovery = 98.68%								
Zn 206.200†	7262.0	470	ug/L	4.1	470	ug/L	4.1	0.87%
QC value within limits for Zn 206.200 Recovery = 93.97%								

All analyte(s) passed QC.

Sequence No.: 81 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 6/14/2007 4:31:07 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1622206.1	103	%	0.3				0.25%
Sc Radial	204380.0	104	%	0.5				0.46%
Ag 328.068†	-281.9	-1.13	ug/L	0.172	-1.13	ug/L	0.172	15.21%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-2.3	-1.85	ug/L	5.086	-1.85	ug/L	5.086	275.52%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	0.5	-0.159	ug/L	1.6047	-0.159	ug/L	1.6047	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	48.5	0.582	ug/L	0.0113	0.582	ug/L	0.0113	1.94%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-1.0	0.139	ug/L	0.0117	0.139	ug/L	0.0117	8.45%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	518.4	47.0	ug/L	0.95	47.0	ug/L	0.95	2.02%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	-1.8	0.219	ug/L	0.0973	0.219	ug/L	0.0973	44.47%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	6.0	0.220	ug/L	0.3108	0.220	ug/L	0.3108	141.13%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-2.2	-0.617	ug/L	0.0633	-0.617	ug/L	0.0633	10.26%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-93.7	-0.523	ug/L	0.1157	-0.523	ug/L	0.1157	22.12%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	261.2	20.9	ug/L	0.39	20.9	ug/L	0.39	1.85%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-7.3	19.3	ug/L	9.56	19.3	ug/L	9.56	49.52%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	-29.4	-0.439	ug/L	4.3468	-0.439	ug/L	4.3468	990.04%
Mg 279.077†	105.6	11.2	ug/L	0.19	11.2	ug/L	0.19	1.73%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	448.1	0.407	ug/L	0.0057	0.407	ug/L	0.0057	1.40%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	0.5	0.608	ug/L	0.8866	0.608	ug/L	0.8866	145.77%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	127.2	7.03	ug/L	1.115	7.03	ug/L	1.115	15.86%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	1.8	0.274	ug/L	0.4191	0.274	ug/L	0.4191	152.67%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-7.2	-4.00	ug/L	2.446	-4.00	ug/L	2.446	61.13%
QC value less than the lower limit for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	3.9	-3.51	ug/L	1.794	-3.51	ug/L	1.794	51.10%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-0.8	-2.96	ug/L	1.890	-2.96	ug/L	1.890	63.81%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-1.1	1.12	ug/L	2.789	1.12	ug/L	2.789	249.58%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	55.4	0.043	ug/L	0.0438	0.043	ug/L	0.0438	102.07%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	120.2	0.243	ug/L	0.0298	0.243	ug/L	0.0298	12.29%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	0.3	0.055	ug/L	2.5882	0.055	ug/L	2.5882	>999.9%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-1.2	-0.258	ug/L	0.0717	-0.258	ug/L	0.0717	27.76%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	82.5	5.03	ug/L	0.247	5.03	ug/L	0.247	4.92%
QC value greater than the upper limit for Zn 206.200 Recovery = Not calculated								

QC Failed. Retry.

Sequence No.: 82 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 6/14/2007 4:34:06 PM**

Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1596665.8	102	%	0.5				0.47%
Sc Radial	199583.3	101	%	0.2				0.16%
Ag 328.068†	-285.1	-1.16	ug/L	0.182	-1.16	ug/L	0.182	15.72%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	6.0	1.23	ug/L	3.167	1.23	ug/L	3.167	257.59%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-0.6	-1.02	ug/L	0.529	-1.02	ug/L	0.529	52.05%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	46.8	0.568	ug/L	0.0317	0.568	ug/L	0.0317	5.59%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-7.8	0.101	ug/L	0.0176	0.101	ug/L	0.0176	17.43%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	520.6	47.2	ug/L	0.88	47.2	ug/L	0.88	1.87%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	2.2	0.683	ug/L	0.5650	0.683	ug/L	0.5650	82.77%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	5.0	0.179	ug/L	0.3153	0.179	ug/L	0.3153	175.85%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	3.9	-0.409	ug/L	0.4136	-0.409	ug/L	0.4136	101.00%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-9.4	-0.230	ug/L	0.1052	-0.230	ug/L	0.1052	45.79%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	254.5	20.4	ug/L	0.45	20.4	ug/L	0.45	2.23%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-36.1	12.5	ug/L	2.24	12.5	ug/L	2.24	17.87%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	-87.1	-4.55	ug/L	5.729	-4.55	ug/L	5.729	126.02%
Mg 279.077†	103.7	11.0	ug/L	1.99	11.0	ug/L	1.99	18.12%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	468.1	0.445	ug/L	0.0490	0.445	ug/L	0.0490	11.00%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-0.6	0.306	ug/L	0.2479	0.306	ug/L	0.2479	80.99%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	131.5	7.41	ug/L	1.937	7.41	ug/L	1.937	26.15%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	3.7	0.470	ug/L	0.3816	0.470	ug/L	0.3816	81.21%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-5.5	-2.87	ug/L	0.462	-2.87	ug/L	0.462	16.07%
QC value less than the lower limit for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	3.1	-3.88	ug/L	1.080	-3.88	ug/L	1.080	27.80%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	1.2	-1.05	ug/L	2.001	-1.05	ug/L	2.001	190.03%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	2.0	3.02	ug/L	1.589	3.02	ug/L	1.589	52.57%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	48.2	0.033	ug/L	0.0160	0.033	ug/L	0.0160	47.92%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	71.2	0.136	ug/L	0.0172	0.136	ug/L	0.0172	12.65%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-1.6	-1.19	ug/L	3.470	-1.19	ug/L	3.470	291.18%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	4.0	-0.069	ug/L	0.1939	-0.069	ug/L	0.1939	281.73%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	82.3	5.02	ug/L	0.290	5.02	ug/L	0.290	5.78%
QC value greater than the upper limit for Zn 206.200 Recovery = Not calculated								

QC Failed. Continue with analysis.

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Sequence No.: 83 **Autosampler Location: 21**
Sample ID: 250682906A **Date Collected: 6/14/2007 4:38:25 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 5X **Sample Prep Vol:**

Mean Data: 250682906A

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1573667.2	100	%	0.2				0.19%
Sc Radial	200660.8	102	%	0.5				0.47%
Ag 328.068†	768.6	10.1	ug/L	0.22	50.5	ug/L	1.12	2.21%
Al 308.215†	29155.6	10900	ug/L	38.6	54400	ug/L	193.2	0.35%
As 188.979†	110.4	72.2	ug/L	1.35	361	ug/L	6.7	1.86%
Ba 233.527†	33350.0	288	ug/L	1.1	1440	ug/L	5.5	0.38%
Be 234.861†	17920.3	98.9	ug/L	0.92	494	ug/L	4.6	0.93%
Ca 315.887†	2651634.1	257000	ug/L	1621.7	1280000	ug/L	8108.7	0.63%
Cd 226.502†	956.5	67.2	ug/L	0.33	336	ug/L	1.7	0.49%
Co 228.616†	2152.6	91.8	ug/L	0.59	459	ug/L	3.0	0.64%
Cr 267.716†	3204.2	109	ug/L	0.5	545	ug/L	2.4	0.44%
Cu 324.752†	31210.4	113	ug/L	0.6	563	ug/L	2.8	0.49%
Fe 259.939†	156981.9	12000	ug/L	40.4	59800	ug/L	202.0	0.34%
K 766.490†	42186.2	9960	ug/L	23.6	49800	ug/L	117.9	0.24%
Li 460.286†	14094.8	932	ug/L	2.9	4660	ug/L	14.3	0.31%
Mg 279.077†	118351.7	11900	ug/L	77.4	59300	ug/L	387.0	0.65%
Mn 257.610†	73822.0	141	ug/L	0.6	704	ug/L	3.0	0.42%
Mo 202.031†	313.6	86.2	ug/L	0.92	431	ug/L	4.6	1.06%
Na 589.592†	110995.6	9770	ug/L	12.7	48900	ug/L	63.7	0.13%
Ni 231.604†	924.7	94.3	ug/L	0.38	472	ug/L	1.9	0.40%
Pb 220.353†	173.7	146	ug/L	1.0	729	ug/L	5.1	0.70%
Sb 206.836†	223.6	92.3	ug/L	0.60	461	ug/L	3.0	0.65%
Se 196.026†	83.2	85.8	ug/L	5.31	429	ug/L	26.6	6.19%
Sn 189.927†	137.3	92.7	ug/L	3.06	463	ug/L	15.3	3.31%
Sr 421.552†	372379.1	496	ug/L	3.3	2480	ug/L	16.7	0.67%
Ti 334.940†	61625.9	134	ug/L	1.2	670	ug/L	5.9	0.88%
Tl 190.801†	136.5	89.5	ug/L	5.65	447	ug/L	28.2	6.31%
V 292.402†	2858.8	108	ug/L	0.6	539	ug/L	2.9	0.55%
Zn 206.200†	3909.0	259	ug/L	1.9	1300	ug/L	9.6	0.74%

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Sequence No.: 84 **Autosampler Location: 22**
Sample ID: 250682910 **Date Collected: 6/14/2007 4:42:40 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 5X **Sample Prep Vol:**

Mean Data: 250682910

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1502425.5	95.8	%	0.40				0.42%
Sc Radial	194590.8	98.8	%	0.37				0.38%
Ag 328.068†	-524.6	-0.668	ug/L	0.1267	-3.34	ug/L	0.633	18.96%
Al 308.215†	3407.0	1270	ug/L	5.8	6360	ug/L	29.2	0.46%
As 188.979†	-16.0	-30.2	ug/L	3.96	-151	ug/L	19.8	13.11%
Ba 233.527†	1018.6	7.60	ug/L	0.122	38.0	ug/L	0.61	1.61%
Be 234.861†	94.9	0.122	ug/L	0.0304	0.608	ug/L	0.1518	24.96%
Ca 315.887†	5235119.0	507000	ug/L	1090.4	2540000	ug/L	5452.1	0.21%
Cd 226.502†	167.8	-67.2	ug/L	0.99	-336	ug/L	5.0	1.47%
Co 228.616†	20.1	0.422	ug/L	0.1622	2.11	ug/L	0.811	38.47%
Cr 267.716†	475.0	15.7	ug/L	0.71	78.6	ug/L	3.57	4.54%
Cu 324.752†	4320.7	22.8	ug/L	0.28	114	ug/L	1.4	1.22%
Fe 259.939†	165852.6	12600	ug/L	13.1	63200	ug/L	65.5	0.10%
K 766.490†	214.0	71.5	ug/L	10.96	357	ug/L	54.8	15.34%
Li 460.286†	1323.4	4.71	ug/L	2.883	23.5	ug/L	14.42	61.25%
Mg 279.077†	44367.9	4450	ug/L	18.1	22200	ug/L	90.4	0.41%
Mn 257.610†	57877.6	110	ug/L	0.5	552	ug/L	2.5	0.45%
Mo 202.031†	-3.5	0.156	ug/L	2.4945	0.780	ug/L	12.4725	>999.9%
Na 589.592†	7591.2	664	ug/L	4.2	3320	ug/L	20.8	0.63%
Ni 231.604†	12.4	1.10	ug/L	0.376	5.50	ug/L	1.882	34.20%
Pb 220.353†	17.2	69.0	ug/L	2.91	345	ug/L	14.6	4.22%
Sb 206.836†	27.3	-10.9	ug/L	1.48	-54.7	ug/L	7.42	13.58%
Se 196.026†	-17.8	-12.4	ug/L	3.69	-62.2	ug/L	18.45	29.68%
Sn 189.927†	-12.3	6.12	ug/L	1.243	30.6	ug/L	6.21	20.32%
Sr 421.552†	542947.4	721	ug/L	0.8	3600	ug/L	4.0	0.11%
Ti 334.940†	7219.5	15.7	ug/L	0.13	78.4	ug/L	0.67	0.85%
Tl 190.801†	5.9	3.15	ug/L	5.847	15.8	ug/L	29.24	185.57%
V 292.402†	395.4	15.8	ug/L	0.05	79.2	ug/L	0.23	0.30%
Zn 206.200†	785.1	64.2	ug/L	0.52	321	ug/L	2.6	0.82%

Sequence No.: 85
Sample ID: 250682911
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 23
Date Collected: 6/14/2007 4:46:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250682911

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1496547.9	95.4	%	0.11				0.11%
Sc Radial	192140.8	97.6	%	0.14				0.14%
Ag 328.068†	-686.8	0.186	ug/L	0.1398	0.186	ug/L	0.1398	75.13%
Al 308.215†	15553.9	5810	ug/L	10.1	5810	ug/L	10.1	0.17%
As 188.979†	-14.1	-46.6	ug/L	2.45	-46.6	ug/L	2.45	5.26%
Ba 233.527†	3540.7	28.0	ug/L	0.03	28.0	ug/L	0.03	0.10%
Be 234.861†	231.1	0.584	ug/L	0.0292	0.584	ug/L	0.0292	5.00%
Ca 315.887†	10341036.7	1000000	ug/L	1345.3	1000000	ug/L	1345.3	0.13%
Cd 226.502†	343.7	-131	ug/L	0.2	-131	ug/L	0.2	0.15%
Co 228.616†	70.1	2.24	ug/L	0.330	2.24	ug/L	0.330	14.70%
Cr 267.716†	1814.3	61.5	ug/L	0.83	61.5	ug/L	0.83	1.35%
Cu 324.752†	20356.8	86.2	ug/L	0.15	86.2	ug/L	0.15	0.17%
Fe 259.939†	254001.2	19400	ug/L	81.5	19400	ug/L	81.5	0.42%
K 766.490†	1468.3	367	ug/L	6.3	367	ug/L	6.3	1.71%
Li 460.286†	2364.9	17.0	ug/L	6.82	17.0	ug/L	6.82	40.21%
Mg 279.077†	89081.9	8930	ug/L	20.3	8930	ug/L	20.3	0.23%
Mn 257.610†	115090.5	220	ug/L	0.6	220	ug/L	0.6	0.27%
Mo 202.031†	-11.6	-1.69	ug/L	2.165	-1.69	ug/L	2.165	128.23%
Na 589.592†	23186.0	2040	ug/L	3.9	2040	ug/L	3.9	0.19%
Ni 231.604†	85.2	8.40	ug/L	1.446	8.40	ug/L	1.446	17.22%
Pb 220.353†	71.1	161	ug/L	3.9	161	ug/L	3.9	2.41%
Sb 206.836†	24.5	-30.7	ug/L	0.10	-30.7	ug/L	0.10	0.33%
Se 196.026†	-18.9	-9.75	ug/L	2.204	-9.75	ug/L	2.204	22.60%
Sn 189.927†	-23.0	11.3	ug/L	2.81	11.3	ug/L	2.81	24.93%
Sr 421.552†	1245937.3	1660	ug/L	5.1	1660	ug/L	5.1	0.31%
Ti 334.940†	37565.6	81.7	ug/L	0.03	81.7	ug/L	0.03	0.03%
Tl 190.801†	1.6	-0.455	ug/L	4.5289	-0.455	ug/L	4.5289	995.74%
V 292.402†	1199.3	46.4	ug/L	0.26	46.4	ug/L	0.26	0.56%
Zn 206.200†	4180.0	297	ug/L	1.9	297	ug/L	1.9	0.65%

Sequence No.: 86
Sample ID: 250682912
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 24
Date Collected: 6/14/2007 4:51:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250682912

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1545433.4	98.5	%	0.64				0.65%
Sc Radial	197105.0	100	%	0.5				0.54%
Ag 328.068†	-450.0	-0.250	ug/L	0.2533	-0.250	ug/L	0.2533	101.38%
Al 308.215†	11778.9	4400	ug/L	8.9	4400	ug/L	8.9	0.20%
As 188.979†	2.4	-13.4	ug/L	3.80	-13.4	ug/L	3.80	28.41%
Ba 233.527†	3731.3	31.3	ug/L	0.16	31.3	ug/L	0.16	0.52%
Be 234.861†	171.0	0.491	ug/L	0.0148	0.491	ug/L	0.0148	3.01%
Ca 315.887†	4384781.3	425000	ug/L	2568.3	425000	ug/L	2568.3	0.60%
Cd 226.502†	259.7	-42.6	ug/L	1.03	-42.6	ug/L	1.03	2.42%
Co 228.616†	46.6	1.37	ug/L	0.247	1.37	ug/L	0.247	18.05%
Cr 267.716†	1482.1	50.1	ug/L	1.00	50.1	ug/L	1.00	2.00%
Cu 324.752†	19355.5	73.9	ug/L	0.62	73.9	ug/L	0.62	0.84%
Fe 259.939†	181554.2	13800	ug/L	74.7	13800	ug/L	74.7	0.54%
K 766.490†	1300.0	327	ug/L	8.3	327	ug/L	8.3	2.53%
Li 460.286†	1318.3	3.08	ug/L	2.566	3.08	ug/L	2.566	83.28%
Mg 279.077†	38077.0	3820	ug/L	12.9	3820	ug/L	12.9	0.34%
Mn 257.610†	73874.8	141	ug/L	0.7	141	ug/L	0.7	0.52%
Mo 202.031†	-23.3	-5.15	ug/L	2.007	-5.15	ug/L	2.007	38.98%
Na 589.592†	28536.3	2510	ug/L	11.2	2510	ug/L	11.2	0.45%
Ni 231.604†	54.7	5.39	ug/L	0.591	5.39	ug/L	0.591	10.95%
Pb 220.353†	79.8	101	ug/L	2.7	101	ug/L	2.7	2.63%
Sb 206.836†	26.9	-8.49	ug/L	4.095	-8.49	ug/L	4.095	48.23%
Se 196.026†	-19.1	-13.0	ug/L	5.26	-13.0	ug/L	5.26	40.33%
Sn 189.927†	-14.2	3.19	ug/L	1.469	3.19	ug/L	1.469	46.09%
Sr 421.552†	1295809.6	1740	ug/L	11.7	1740	ug/L	11.7	0.68%
Ti 334.940†	46577.0	101	ug/L	0.5	101	ug/L	0.5	0.51%
Tl 190.801†	-1.8	-2.25	ug/L	4.743	-2.25	ug/L	4.743	210.95%
V 292.402†	661.3	25.8	ug/L	0.45	25.8	ug/L	0.45	1.73%
Zn 206.200†	6040.4	401	ug/L	2.1	401	ug/L	2.1	0.51%

Sequence No.: 87
Sample ID: 250682913
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 25
Date Collected: 6/14/2007 4:55:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250682913

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1547828.0	98.7	%	0.27				0.27%
Sc Radial	195651.3	99.4	%	0.24				0.24%
Ag 328.068†	-506.0	-0.496	ug/L	0.1578	-0.496	ug/L	0.1578	31.84%
Al 308.215†	14349.5	5360	ug/L	8.7	5360	ug/L	8.7	0.16%
As 188.979†	-4.6	-20.6	ug/L	2.18	-20.6	ug/L	2.18	10.57%
Ba 233.527†	3961.3	33.2	ug/L	0.11	33.2	ug/L	0.11	0.33%
Be 234.861†	168.2	0.461	ug/L	0.0726	0.461	ug/L	0.0726	15.77%
Ca 315.887†	5007133.5	485000	ug/L	4030.0	485000	ug/L	4030.0	0.83%
Cd 226.502†	712.6	-0.185	ug/L	0.8806	-0.185	ug/L	0.8806	475.95%
Co 228.616†	69.7	2.31	ug/L	0.179	2.31	ug/L	0.179	7.74%
Cr 267.716†	2061.4	69.9	ug/L	0.47	69.9	ug/L	0.47	0.68%
Cu 324.752†	29077.1	109	ug/L	0.3	109	ug/L	0.3	0.26%
Fe 259.939†	186201.4	14200	ug/L	140.8	14200	ug/L	140.8	0.99%
K 766.490†	1180.2	299	ug/L	8.4	299	ug/L	8.4	2.79%
Li 460.286†	1423.5	5.25	ug/L	4.719	5.25	ug/L	4.719	89.83%
Mg 279.077†	42179.2	4230	ug/L	16.0	4230	ug/L	16.0	0.38%
Mn 257.610†	74987.3	143	ug/L	0.1	143	ug/L	0.1	0.09%
Mo 202.031†	-20.2	-4.30	ug/L	2.209	-4.30	ug/L	2.209	51.41%
Na 589.592†	21100.9	1850	ug/L	3.6	1850	ug/L	3.6	0.19%
Ni 231.604†	76.2	7.58	ug/L	0.653	7.58	ug/L	0.653	8.61%
Pb 220.353†	214.6	198	ug/L	2.4	198	ug/L	2.4	1.21%
Sb 206.836†	27.8	-10.5	ug/L	2.68	-10.5	ug/L	2.68	25.66%
Se 196.026†	-18.6	-12.3	ug/L	8.97	-12.3	ug/L	8.97	72.88%
Sn 189.927†	-17.2	2.83	ug/L	2.432	2.83	ug/L	2.432	85.88%
Sr 421.552†	1064081.4	1420	ug/L	13.3	1420	ug/L	13.3	0.94%
Ti 334.940†	54731.1	119	ug/L	0.2	119	ug/L	0.2	0.15%
Tl 190.801†	-8.4	-6.81	ug/L	5.339	-6.81	ug/L	5.339	78.45%
V 292.402†	810.4	31.4	ug/L	0.06	31.4	ug/L	0.06	0.18%
Zn 206.200†	9629.3	635	ug/L	1.6	635	ug/L	1.6	0.25%

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Sequence No.: 88 **Autosampler Location: 26**
Sample ID: 250682914 **Date Collected: 6/14/2007 4:59:17 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250682914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1523199.3	97.1	%	0.33				0.34%
Sc Radial	196213.4	99.7	%	0.25				0.25%
Ag 328.068†	-496.1	0.569	ug/L	0.2414	0.569	ug/L	0.2414	42.44%
Al 308.215†	16398.8	6120	ug/L	16.1	6120	ug/L	16.1	0.26%
As 188.979†	-4.8	-30.0	ug/L	1.24	-30.0	ug/L	1.24	4.14%
Ba 233.527†	5246.5	43.5	ug/L	0.18	43.5	ug/L	0.18	0.41%
Be 234.861†	199.5	0.653	ug/L	0.0582	0.653	ug/L	0.0582	8.91%
Ca 315.887†	7588935.7	735000	ug/L	304.1	735000	ug/L	304.1	0.04%
Cd 226.502†	287.3	-92.2	ug/L	1.07	-92.2	ug/L	1.07	1.16%
Co 228.616†	59.3	1.85	ug/L	0.218	1.85	ug/L	0.218	11.79%
Cr 267.716†	2761.4	93.8	ug/L	0.77	93.8	ug/L	0.77	0.82%
Cu 324.752†	42268.6	158	ug/L	0.4	158	ug/L	0.4	0.22%
Fe 259.939†	180237.8	13700	ug/L	16.7	13700	ug/L	16.7	0.12%
K 766.490†	1151.0	292	ug/L	8.3	292	ug/L	8.3	2.83%
Li 460.286†	1688.6	11.6	ug/L	1.91	11.6	ug/L	1.91	16.39%
Mg 279.077†	66346.0	6650	ug/L	13.6	6650	ug/L	13.6	0.20%
Mn 257.610†	85410.9	163	ug/L	0.1	163	ug/L	0.1	0.07%
Mo 202.031†	-17.9	-3.69	ug/L	2.206	-3.69	ug/L	2.206	59.78%
Na 589.592†	23186.5	2040	ug/L	6.7	2040	ug/L	6.7	0.33%
Ni 231.604†	93.3	9.34	ug/L	1.000	9.34	ug/L	1.000	10.70%
Pb 220.353†	130.3	171	ug/L	7.2	171	ug/L	7.2	4.19%
Sb 206.836†	32.1	-17.7	ug/L	2.19	-17.7	ug/L	2.19	12.38%
Se 196.026†	-8.9	-3.20	ug/L	3.395	-3.20	ug/L	3.395	106.17%
Sn 189.927†	-14.5	10.4	ug/L	1.39	10.4	ug/L	1.39	13.33%
Sr 421.552†	1233592.6	1650	ug/L	3.5	1650	ug/L	3.5	0.21%
Ti 334.940†	63578.6	138	ug/L	0.2	138	ug/L	0.2	0.15%
Tl 190.801†	-1.5	-2.23	ug/L	4.347	-2.23	ug/L	4.347	194.53%
V 292.402†	1040.0	39.9	ug/L	0.60	39.9	ug/L	0.60	1.49%
Zn 206.200†	8349.0	559	ug/L	2.3	559	ug/L	2.3	0.41%

Sequence No.: 89
Sample ID: 250682915
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 27
Date Collected: 6/14/2007 5:03:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250682915

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1498175.1	95.5	%	0.31				0.32%
Sc Radial	189454.6	96.2	%	1.43				1.48%
Ag 328.068†	-494.6	0.064	ug/L	0.3731	0.064	ug/L	0.3731	582.24%
Al 308.215†	24809.1	9260	ug/L	119.6	9260	ug/L	119.6	1.29%
As 188.979†	7.7	-14.1	ug/L	1.24	-14.1	ug/L	1.24	8.79%
Ba 233.527†	5054.3	42.4	ug/L	0.14	42.4	ug/L	0.14	0.33%
Be 234.861†	262.9	0.843	ug/L	0.0259	0.843	ug/L	0.0259	3.07%
Ca 315.887†	5747945.9	557000	ug/L	11750.6	557000	ug/L	11750.6	2.11%
Cd 226.502†	203.2	-71.9	ug/L	2.23	-71.9	ug/L	2.23	3.10%
Co 228.616†	82.6	2.34	ug/L	0.114	2.34	ug/L	0.114	4.85%
Cr 267.716†	2147.7	72.8	ug/L	0.55	72.8	ug/L	0.55	0.76%
Cu 324.752†	24285.4	93.2	ug/L	1.28	93.2	ug/L	1.28	1.37%
Fe 259.939†	229014.6	17400	ug/L	203.0	17400	ug/L	203.0	1.16%
K 766.490†	1499.4	374	ug/L	12.5	374	ug/L	12.5	3.33%
Li 460.286†	1708.1	4.92	ug/L	8.801	4.92	ug/L	8.801	178.81%
Mg 279.077†	44098.2	4430	ug/L	106.6	4430	ug/L	106.6	2.41%
Mn 257.610†	85864.4	164	ug/L	2.0	164	ug/L	2.0	1.20%
Mo 202.031†	-27.0	-5.96	ug/L	1.483	-5.96	ug/L	1.483	24.89%
Na 589.592†	29064.3	2560	ug/L	29.0	2560	ug/L	29.0	1.14%
Ni 231.604†	82.6	8.17	ug/L	1.387	8.17	ug/L	1.387	16.98%
Pb 220.353†	57.9	102	ug/L	0.7	102	ug/L	0.7	0.72%
Sb 206.836†	22.7	-15.3	ug/L	4.03	-15.3	ug/L	4.03	26.29%
Se 196.026†	-18.7	-10.6	ug/L	6.72	-10.6	ug/L	6.72	63.60%
Sn 189.927†	-17.6	4.73	ug/L	1.277	4.73	ug/L	1.277	26.99%
Sr 421.552†	1415489.6	1890	ug/L	41.0	1890	ug/L	41.0	2.17%
Ti 334.940†	151067.5	328	ug/L	4.2	328	ug/L	4.2	1.29%
Tl 190.801†	-2.6	-3.06	ug/L	4.948	-3.06	ug/L	4.948	161.65%
V 292.402†	1034.4	39.9	ug/L	0.16	39.9	ug/L	0.16	0.39%
Zn 206.200†	3546.5	244	ug/L	1.7	244	ug/L	1.7	0.68%

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Sequence No.: 90 **Autosampler Location: 28**
Sample ID: 250682901 **Date Collected: 6/14/2007 5:07:21 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250682901

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1498357.0	95.5	%	0.10				0.11%
Sc Radial	193094.1	98.1	%	0.50				0.51%
Ag 328.068†	-689.9	-0.261	ug/L	0.1494	-0.261	ug/L	0.1494	57.15%
Al 308.215†	17872.6	6670	ug/L	14.4	6670	ug/L	14.4	0.22%
As 188.979†	15.8	-21.9	ug/L	1.92	-21.9	ug/L	1.92	8.75%
Ba 233.527†	4740.2	38.6	ug/L	0.14	38.6	ug/L	0.14	0.36%
Be 234.861†	243.8	0.759	ug/L	0.0499	0.759	ug/L	0.0499	6.58%
Ca 315.887†	9531862.9	924000	ug/L	4315.9	924000	ug/L	4315.9	0.47%
Cd 226.502†	181.7	-137	ug/L	0.7	-137	ug/L	0.7	0.50%
Co 228.616†	60.4	1.89	ug/L	0.315	1.89	ug/L	0.315	16.63%
Cr 267.716†	2224.3	75.5	ug/L	0.36	75.5	ug/L	0.36	0.47%
Cu 324.752†	26250.8	105	ug/L	0.1	105	ug/L	0.1	0.09%
Fe 259.939†	222590.5	17000	ug/L	31.1	17000	ug/L	31.1	0.18%
K 766.490†	1083.5	276	ug/L	8.5	276	ug/L	8.5	3.09%
Li 460.286†	2130.5	16.4	ug/L	4.10	16.4	ug/L	4.10	24.98%
Mg 279.077†	81511.2	8170	ug/L	37.2	8170	ug/L	37.2	0.46%
Mn 257.610†	111968.8	214	ug/L	0.2	214	ug/L	0.2	0.11%
Mo 202.031†	-18.0	-3.54	ug/L	0.636	-3.54	ug/L	0.636	17.99%
Na 589.592†	34989.2	3080	ug/L	4.0	3080	ug/L	4.0	0.13%
Ni 231.604†	48.5	4.70	ug/L	1.219	4.70	ug/L	1.219	25.96%
Pb 220.353†	44.4	135	ug/L	2.0	135	ug/L	2.0	1.51%
Sb 206.836†	27.0	-26.9	ug/L	2.52	-26.9	ug/L	2.52	9.40%
Se 196.026†	-24.4	-16.5	ug/L	10.43	-16.5	ug/L	10.43	63.33%
Sn 189.927†	-20.2	11.2	ug/L	3.15	11.2	ug/L	3.15	28.17%
Sr 421.552†	2122828.5	2840	ug/L	13.4	2840	ug/L	13.4	0.47%
Ti 334.940†	42645.2	92.7	ug/L	0.31	92.7	ug/L	0.31	0.33%
Tl 190.801†	-1.6	-2.60	ug/L	3.621	-2.60	ug/L	3.621	139.41%
V 292.402†	1579.0	60.2	ug/L	0.40	60.2	ug/L	0.40	0.67%
Zn 206.200†	2306.5	174	ug/L	0.5	174	ug/L	0.5	0.29%

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Sequence No.: 91 **Autosampler Location: 29**
Sample ID: 250682902 **Date Collected: 6/14/2007 5:11:26 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 5X **Sample Prep Vol:**

Mean Data: 250682902

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1574708.4	100	%	0.5				0.49%
Sc Radial	202655.3	103	%	0.7				0.70%
Ag 328.068†	-390.7	-0.994	ug/L	0.0938	-4.97	ug/L	0.469	9.44%
Al 308.215†	3048.6	1140	ug/L	12.4	5690	ug/L	62.1	1.09%
As 188.979†	-16.3	-20.9	ug/L	1.91	-105	ug/L	9.6	9.14%
Ba 233.527†	997.0	8.13	ug/L	0.069	40.6	ug/L	0.34	0.84%
Be 234.861†	25.8	0.135	ug/L	0.0456	0.674	ug/L	0.2278	33.82%
Ca 315.887†	2436246.3	236000	ug/L	898.7	1180000	ug/L	4493.3	0.38%
Cd 226.502†	143.8	-23.2	ug/L	0.15	-116	ug/L	0.8	0.65%
Co 228.616†	19.7	0.677	ug/L	0.0386	3.38	ug/L	0.193	5.71%
Cr 267.716†	550.9	18.3	ug/L	0.23	91.4	ug/L	1.13	1.24%
Cu 324.752†	4246.2	18.2	ug/L	0.17	91.1	ug/L	0.86	0.94%
Fe 259.939†	46340.3	3530	ug/L	44.1	17700	ug/L	220.6	1.25%
K 766.490†	198.4	67.8	ug/L	4.48	339	ug/L	22.4	6.62%
Li 460.286†	397.6	-1.01	ug/L	5.730	-5.07	ug/L	28.652	565.25%
Mg 279.077†	21281.6	2130	ug/L	19.1	10700	ug/L	95.5	0.90%
Mn 257.610†	26139.7	49.6	ug/L	0.43	248	ug/L	2.2	0.88%
Mo 202.031†	-19.7	-4.71	ug/L	1.250	-23.5	ug/L	6.25	26.56%
Na 589.592†	4960.8	433	ug/L	5.3	2160	ug/L	26.7	1.23%
Ni 231.604†	19.3	1.99	ug/L	1.292	9.95	ug/L	6.458	64.92%
Pb 220.353†	29.8	47.4	ug/L	0.77	237	ug/L	3.8	1.62%
Sb 206.836†	30.0	0.125	ug/L	3.9819	0.627	ug/L	19.9094	>999.9%
Se 196.026†	0.3	0.098	ug/L	6.0734	0.491	ug/L	30.3672	>999.9%
Sn 189.927†	-13.5	-0.996	ug/L	2.8482	-4.98	ug/L	14.241	285.98%
Sr 421.552†	297989.9	396	ug/L	1.2	1980	ug/L	6.1	0.31%
Ti 334.940†	7894.2	17.1	ug/L	0.30	85.7	ug/L	1.49	1.74%
Tl 190.801†	-9.3	-6.64	ug/L	5.563	-33.2	ug/L	27.81	83.76%
V 292.402†	264.8	9.96	ug/L	0.172	49.8	ug/L	0.86	1.73%
Zn 206.200†	2491.7	167	ug/L	0.5	835	ug/L	2.5	0.30%

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Sequence No.: 92 **Autosampler Location: 30**
Sample ID: 250682903 **Date Collected: 6/14/2007 5:15:40 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250682903

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1512545.5	96.4	%	0.52				0.54%
Sc Radial	191735.7	97.4	%	0.08				0.08%
Ag 328.068†	-558.8	0.059	ug/L	0.2496	0.059	ug/L	0.2496	426.47%
Al 308.215†	13800.2	5150	ug/L	13.3	5150	ug/L	13.3	0.26%
As 188.979†	-2.8	-28.1	ug/L	2.33	-28.1	ug/L	2.33	8.30%
Ba 233.527†	5916.1	49.4	ug/L	0.30	49.4	ug/L	0.30	0.60%
Be 234.861†	196.0	0.553	ug/L	0.0339	0.553	ug/L	0.0339	6.13%
Ca 315.887†	7497790.0	726000	ug/L	1489.6	726000	ug/L	1489.6	0.21%
Cd 226.502†	327.5	-86.1	ug/L	0.08	-86.1	ug/L	0.08	0.09%
Co 228.616†	82.1	2.90	ug/L	0.145	2.90	ug/L	0.145	5.00%
Cr 267.716†	2807.7	95.4	ug/L	0.77	95.4	ug/L	0.77	0.81%
Cu 324.752†	21652.3	86.5	ug/L	0.27	86.5	ug/L	0.27	0.32%
Fe 259.939†	204685.1	15600	ug/L	29.2	15600	ug/L	29.2	0.19%
K 766.490†	936.6	242	ug/L	2.8	242	ug/L	2.8	1.17%
Li 460.286†	1732.4	6.36	ug/L	4.004	6.36	ug/L	4.004	62.97%
Mg 279.077†	60277.2	6040	ug/L	35.8	6040	ug/L	35.8	0.59%
Mn 257.610†	93216.1	178	ug/L	0.1	178	ug/L	0.1	0.07%
Mo 202.031†	-30.6	-7.05	ug/L	1.291	-7.05	ug/L	1.291	18.30%
Na 589.592†	36083.7	3170	ug/L	5.1	3170	ug/L	5.1	0.16%
Ni 231.604†	57.5	5.65	ug/L	1.038	5.65	ug/L	1.038	18.37%
Pb 220.353†	108.6	155	ug/L	0.7	155	ug/L	0.7	0.46%
Sb 206.836†	28.1	-19.5	ug/L	4.32	-19.5	ug/L	4.32	22.20%
Se 196.026†	-13.1	-6.21	ug/L	7.841	-6.21	ug/L	7.841	126.31%
Sn 189.927†	-19.2	7.16	ug/L	5.634	7.16	ug/L	5.634	78.70%
Sr 421.552†	1695009.8	2270	ug/L	3.6	2270	ug/L	3.6	0.16%
Ti 334.940†	35375.2	76.9	ug/L	0.07	76.9	ug/L	0.07	0.09%
Tl 190.801†	1.4	-0.317	ug/L	1.8590	-0.317	ug/L	1.8590	586.20%
V 292.402†	983.9	38.0	ug/L	0.41	38.0	ug/L	0.41	1.07%
Zn 206.200†	7355.9	495	ug/L	2.8	495	ug/L	2.8	0.57%

Sequence No.: 93 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 6/14/2007 5:19:43 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1576137.0	100	%	0.8				0.81%
Sc Radial	202009.0	103	%	0.1				0.07%
Ag 328.068†	52680.4	481	ug/L	3.7	481	ug/L	3.7	0.77%
QC value within limits for Ag 328.068 Recovery = 96.25%								
Al 308.215†	62944.7	23500	ug/L	27.2	23500	ug/L	27.2	0.12%
QC value within limits for Al 308.215 Recovery = 94.00%								
As 188.979†	622.9	461	ug/L	5.3	461	ug/L	5.3	1.15%
QC value within limits for As 188.979 Recovery = 92.10%								
Ba 233.527†	55135.6	478	ug/L	3.3	478	ug/L	3.3	0.70%
QC value within limits for Ba 233.527 Recovery = 95.55%								
Be 234.861†	87278.1	482	ug/L	2.8	482	ug/L	2.8	0.57%
QC value within limits for Be 234.861 Recovery = 96.35%								
Ca 315.887†	243013.5	23500	ug/L	26.8	23500	ug/L	26.8	0.11%
QC value within limits for Ca 315.887 Recovery = 94.17%								
Cd 226.502†	4079.2	468	ug/L	3.1	468	ug/L	3.1	0.65%
QC value within limits for Cd 226.502 Recovery = 93.67%								
Co 228.616†	11179.7	477	ug/L	3.8	477	ug/L	3.8	0.80%
QC value within limits for Co 228.616 Recovery = 95.48%								
Cr 267.716†	14130.9	482	ug/L	3.2	482	ug/L	3.2	0.67%
QC value within limits for Cr 267.716 Recovery = 96.44%								
Cu 324.752†	131906.5	460	ug/L	3.3	460	ug/L	3.3	0.73%
QC value within limits for Cu 324.752 Recovery = 92.00%								
Fe 259.939†	498168.7	38000	ug/L	132.8	38000	ug/L	132.8	0.35%
QC value within limits for Fe 259.939 Recovery = 94.88%								
K 766.490†	101236.3	23900	ug/L	47.7	23900	ug/L	47.7	0.20%
QC value within limits for K 766.490 Recovery = 95.53%								
Li 460.286†	67747.8	4640	ug/L	3.9	4640	ug/L	3.9	0.08%
Mg 279.077†	239889.4	24000	ug/L	183.7	24000	ug/L	183.7	0.76%
QC value within limits for Mg 279.077 Recovery = 96.15%								
Mn 257.610†	252296.6	483	ug/L	0.6	483	ug/L	0.6	0.13%
QC value within limits for Mn 257.610 Recovery = 96.51%								
Mo 202.031†	1670.4	456	ug/L	2.6	456	ug/L	2.6	0.56%
QC value within limits for Mo 202.031 Recovery = 91.15%								
Na 589.592†	258738.7	22800	ug/L	40.7	22800	ug/L	40.7	0.18%
QC value within limits for Na 589.592 Recovery = 91.13%								
Ni 231.604†	4653.6	475	ug/L	4.7	475	ug/L	4.7	1.00%
QC value within limits for Ni 231.604 Recovery = 94.94%								
Pb 220.353†	699.8	470	ug/L	2.7	470	ug/L	2.7	0.56%
QC value within limits for Pb 220.353 Recovery = 93.93%								
Sb 206.836†	964.1	456	ug/L	2.9	456	ug/L	2.9	0.64%
QC value within limits for Sb 206.836 Recovery = 91.11%								
Se 196.026†	466.2	474	ug/L	9.7	474	ug/L	9.7	2.05%
QC value within limits for Se 196.026 Recovery = 94.90%								
Sn 189.927†	588.3	365	ug/L	5.9	365	ug/L	5.9	1.62%
QC value within limits for Sn 189.927 Recovery = 91.35%								
Sr 421.552†	282667.4	380	ug/L	0.9	380	ug/L	0.9	0.23%
QC value within limits for Sr 421.552 Recovery = 94.98%								
Ti 334.940†	175354.3	381	ug/L	0.8	381	ug/L	0.8	0.22%
QC value within limits for Ti 334.940 Recovery = 95.33%								
Tl 190.801†	683.9	450	ug/L	0.5	450	ug/L	0.5	0.12%
QC value less than the lower limit for Tl 190.801 Recovery = 89.97%								
V 292.402†	13038.0	492	ug/L	3.2	492	ug/L	3.2	0.66%
QC value within limits for V 292.402 Recovery = 98.30%								
Zn 206.200†	7131.2	461	ug/L	4.4	461	ug/L	4.4	0.96%
QC value within limits for Zn 206.200 Recovery = 92.28%								

QC Failed. Retry.

Sequence No.: 94 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 6/14/2007 5:22:17 PM**

Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1577728.6	101	%	0.3				0.33%
Sc Radial	202209.2	103	%	0.7				0.68%
Ag 328.068†	52364.0	478	ug/L	3.1	478	ug/L	3.1	0.65%
QC value within limits for Ag 328.068 Recovery = 95.67%								
Al 308.215†	63123.0	23600	ug/L	28.5	23600	ug/L	28.5	0.12%
QC value within limits for Al 308.215 Recovery = 94.26%								
As 188.979†	622.0	460	ug/L	2.3	460	ug/L	2.3	0.50%
QC value within limits for As 188.979 Recovery = 91.97%								
Ba 233.527†	54706.6	474	ug/L	2.7	474	ug/L	2.7	0.56%
QC value within limits for Ba 233.527 Recovery = 94.81%								
Be 234.861†	86649.0	478	ug/L	1.4	478	ug/L	1.4	0.29%
QC value within limits for Be 234.861 Recovery = 95.66%								
Ca 315.887†	242513.0	23500	ug/L	56.5	23500	ug/L	56.5	0.24%
QC value within limits for Ca 315.887 Recovery = 93.97%								
Cd 226.502†	4080.4	468	ug/L	1.4	468	ug/L	1.4	0.30%
QC value within limits for Cd 226.502 Recovery = 93.70%								
Co 228.616†	11099.6	474	ug/L	4.4	474	ug/L	4.4	0.93%
QC value within limits for Co 228.616 Recovery = 94.79%								
Cr 267.716†	14052.5	480	ug/L	3.6	480	ug/L	3.6	0.75%
QC value within limits for Cr 267.716 Recovery = 95.91%								
Cu 324.752†	131367.1	458	ug/L	2.8	458	ug/L	2.8	0.62%
QC value within limits for Cu 324.752 Recovery = 91.62%								
Fe 259.939†	498386.3	38000	ug/L	137.0	38000	ug/L	137.0	0.36%
QC value within limits for Fe 259.939 Recovery = 94.92%								
K 766.490†	101612.6	24000	ug/L	91.4	24000	ug/L	91.4	0.38%
QC value within limits for K 766.490 Recovery = 95.88%								
Li 460.286†	68063.3	4660	ug/L	6.3	4660	ug/L	6.3	0.14%
Mg 279.077†	239781.7	24000	ug/L	219.1	24000	ug/L	219.1	0.91%
QC value within limits for Mg 279.077 Recovery = 96.11%								
Mn 257.610†	252103.3	482	ug/L	0.4	482	ug/L	0.4	0.09%
QC value within limits for Mn 257.610 Recovery = 96.43%								
Mo 202.031†	1672.5	456	ug/L	3.2	456	ug/L	3.2	0.69%
QC value within limits for Mo 202.031 Recovery = 91.26%								
Na 589.592†	259700.9	22900	ug/L	84.9	22900	ug/L	84.9	0.37%
QC value within limits for Na 589.592 Recovery = 91.47%								
Ni 231.604†	4650.3	474	ug/L	0.1	474	ug/L	0.1	0.03%
QC value within limits for Ni 231.604 Recovery = 94.87%								
Pb 220.353†	698.4	469	ug/L	2.0	469	ug/L	2.0	0.44%
QC value within limits for Pb 220.353 Recovery = 93.75%								
Sb 206.836†	966.7	457	ug/L	2.6	457	ug/L	2.6	0.56%
QC value within limits for Sb 206.836 Recovery = 91.37%								
Se 196.026†	469.1	477	ug/L	2.8	477	ug/L	2.8	0.58%
QC value within limits for Se 196.026 Recovery = 95.47%								
Sn 189.927†	585.5	364	ug/L	2.3	364	ug/L	2.3	0.63%
QC value within limits for Sn 189.927 Recovery = 90.92%								
Sr 421.552†	283953.4	382	ug/L	1.5	382	ug/L	1.5	0.40%
QC value within limits for Sr 421.552 Recovery = 95.41%								
Ti 334.940†	175490.4	382	ug/L	1.0	382	ug/L	1.0	0.27%
QC value within limits for Ti 334.940 Recovery = 95.40%								
Tl 190.801†	681.8	448	ug/L	3.2	448	ug/L	3.2	0.71%
QC value less than the lower limit for Tl 190.801 Recovery = 89.69%								
V 292.402†	12902.1	486	ug/L	3.9	486	ug/L	3.9	0.80%
QC value within limits for V 292.402 Recovery = 97.30%								
Zn 206.200†	7104.6	460	ug/L	0.6	460	ug/L	0.6	0.13%
QC value within limits for Zn 206.200 Recovery = 91.93%								

QC Failed. Continue with analysis.

Sequence No.: 95 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 6/14/2007 5:26:10 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1600147.1	102	%	0.3				0.29%
Sc Radial	203087.1	103	%	0.5				0.50%
Ag 328.068†	-278.8	-1.10	ug/L	0.252	-1.10	ug/L	0.252	22.86%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-10.8	-5.04	ug/L	2.962	-5.04	ug/L	2.962	58.72%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-0.7	-1.07	ug/L	2.045	-1.07	ug/L	2.045	191.37%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-20.4	-0.014	ug/L	0.0509	-0.014	ug/L	0.0509	354.14%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-27.0	-0.005	ug/L	0.0340	-0.005	ug/L	0.0340	692.99%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	160.1	12.3	ug/L	1.03	12.3	ug/L	1.03	8.33%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	-7.1	-0.395	ug/L	0.1915	-0.395	ug/L	0.1915	48.53%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	3.6	0.119	ug/L	0.1951	0.119	ug/L	0.1951	163.56%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	9.7	-0.212	ug/L	0.2215	-0.212	ug/L	0.2215	104.52%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-104.6	-0.562	ug/L	0.1943	-0.562	ug/L	0.1943	34.56%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	55.1	5.21	ug/L	0.957	5.21	ug/L	0.957	18.37%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-52.7	8.61	ug/L	7.357	8.61	ug/L	7.357	85.49%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	-55.1	-2.19	ug/L	3.819	-2.19	ug/L	3.819	174.20%
Mg 279.077†	15.4	2.12	ug/L	1.318	2.12	ug/L	1.318	62.25%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	121.2	-0.219	ug/L	0.0195	-0.219	ug/L	0.0195	8.90%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	0.4	0.584	ug/L	0.1689	0.584	ug/L	0.1689	28.91%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	60.6	1.16	ug/L	0.813	1.16	ug/L	0.813	69.81%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	3.0	0.401	ug/L	0.5487	0.401	ug/L	0.5487	136.94%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-2.3	-0.755	ug/L	1.3541	-0.755	ug/L	1.3541	179.39%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	6.4	-2.31	ug/L	1.073	-2.31	ug/L	1.073	46.37%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	1.9	-0.378	ug/L	2.5946	-0.378	ug/L	2.5946	686.24%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-1.8	0.636	ug/L	0.8333	0.636	ug/L	0.8333	130.99%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	12.9	-0.014	ug/L	0.0188	-0.014	ug/L	0.0188	139.09%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	33.1	0.053	ug/L	0.0573	0.053	ug/L	0.0573	107.67%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-0.6	-0.543	ug/L	1.8012	-0.543	ug/L	1.8012	331.93%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	4.3	-0.055	ug/L	0.0822	-0.055	ug/L	0.0822	148.43%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	53.3	3.14	ug/L	0.056	3.14	ug/L	0.056	1.77%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 96
Sample ID: 250682904
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 31
Date Collected: 6/14/2007 5:30:35 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250682904

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1571561.2	100	%	0.7				0.67%
Sc Radial	203430.0	103	%	0.5				0.51%
Ag 328.068†	-350.5	-0.534	ug/L	0.1064	-2.67	ug/L	0.532	19.91%
Al 308.215†	3082.7	1150	ug/L	8.3	5750	ug/L	41.4	0.72%
As 188.979†	-12.8	-19.7	ug/L	1.44	-98.7	ug/L	7.19	7.29%
Ba 233.527†	1750.0	14.5	ug/L	0.05	72.7	ug/L	0.26	0.35%
Be 234.861†	26.6	0.178	ug/L	0.0346	0.892	ug/L	0.1730	19.40%
Ca 315.887†	2800496.2	271000	ug/L	1612.4	1360000	ug/L	8061.8	0.59%
Cd 226.502†	204.4	-22.1	ug/L	1.03	-110	ug/L	5.2	4.68%
Co 228.616†	17.3	0.608	ug/L	0.1575	3.04	ug/L	0.787	25.92%
Cr 267.716†	637.0	21.2	ug/L	0.33	106	ug/L	1.7	1.57%
Cu 324.752†	5824.8	24.2	ug/L	0.32	121	ug/L	1.6	1.30%
Fe 259.939†	34470.0	2630	ug/L	25.2	13100	ug/L	125.9	0.96%
K 766.490†	62.6	35.8	ug/L	14.84	179	ug/L	74.2	41.46%
Li 460.286†	406.9	1.99	ug/L	1.894	9.96	ug/L	9.471	95.10%
Mg 279.077†	27929.5	2800	ug/L	19.6	14000	ug/L	98.0	0.70%
Mn 257.610†	26234.4	49.8	ug/L	0.23	249	ug/L	1.1	0.46%
Mo 202.031†	-24.6	-6.07	ug/L	0.590	-30.3	ug/L	2.95	9.72%
Na 589.592†	3978.2	346	ug/L	3.7	1730	ug/L	18.7	1.08%
Ni 231.604†	21.6	2.24	ug/L	0.652	11.2	ug/L	3.26	29.07%
Pb 220.353†	48.5	64.1	ug/L	2.26	320	ug/L	11.3	3.53%
Sb 206.836†	24.3	-3.92	ug/L	2.642	-19.6	ug/L	13.21	67.36%
Se 196.026†	-5.7	-6.36	ug/L	5.144	-31.8	ug/L	25.72	80.82%
Sn 189.927†	-9.3	2.44	ug/L	4.055	12.2	ug/L	20.27	166.46%
Sr 421.552†	302798.4	402	ug/L	2.5	2010	ug/L	12.7	0.63%
Ti 334.940†	7418.4	16.1	ug/L	0.13	80.6	ug/L	0.67	0.83%
Tl 190.801†	-1.5	-1.32	ug/L	4.410	-6.62	ug/L	22.048	332.88%
V 292.402†	298.1	11.1	ug/L	0.20	55.4	ug/L	0.98	1.77%
Zn 206.200†	3255.1	217	ug/L	0.7	1090	ug/L	3.7	0.34%

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Sequence No.: 97
Sample ID: 250693402
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 110
Date Collected: 6/14/2007 5:34:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250693402

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1556485.4	99.2	%	0.08				0.08%
Sc Radial	199963.0	102	%	0.2				0.23%
Ag 328.068†	-630.9	-1.85	ug/L	0.151	-9.24	ug/L	0.753	8.15%
Al 308.215†	109782.5	41000	ug/L	263.5	205000	ug/L	1317.7	0.64%
As 188.979†	31.8	17.7	ug/L	1.28	88.5	ug/L	6.41	7.24%
Ba 233.527†	43325.9	375	ug/L	1.0	1870	ug/L	4.9	0.26%
Be 234.861†	719.4	2.81	ug/L	0.046	14.0	ug/L	0.23	1.63%
Ca 315.887†	2169160.9	210000	ug/L	49.1	1050000	ug/L	245.6	0.02%
Cd 226.502†	143.6	-20.9	ug/L	0.37	-105	ug/L	1.8	1.77%
Co 228.616†	158.3	5.71	ug/L	0.199	28.5	ug/L	0.99	3.48%
Cr 267.716†	3104.7	106	ug/L	0.5	528	ug/L	2.7	0.52%
Cu 324.752†	407.7	5.36	ug/L	0.047	26.8	ug/L	0.23	0.87%
Fe 259.939†	399409.8	30400	ug/L	174.2	152000	ug/L	871.0	0.57%
K 766.490†	6775.4	1620	ug/L	8.1	8090	ug/L	40.4	0.50%
Li 460.286†	2482.6	17.1	ug/L	3.14	85.4	ug/L	15.71	18.40%
Mg 279.077†	53225.8	5350	ug/L	20.0	26700	ug/L	100.1	0.37%
Mn 257.610†	407815.3	781	ug/L	2.0	3910	ug/L	9.9	0.25%
Mo 202.031†	-24.8	-4.71	ug/L	0.082	-23.5	ug/L	0.41	1.73%
Na 589.592†	11115.0	975	ug/L	3.4	4870	ug/L	17.2	0.35%
Ni 231.604†	150.5	14.8	ug/L	0.61	74.2	ug/L	3.03	4.09%
Pb 220.353†	22.4	36.7	ug/L	0.49	183	ug/L	2.5	1.35%
Sb 206.836†	23.6	-2.79	ug/L	0.500	-13.9	ug/L	2.50	17.94%
Se 196.026†	-18.8	-4.05	ug/L	4.182	-20.2	ug/L	20.91	103.36%
Sn 189.927†	-16.5	-2.99	ug/L	2.510	-14.9	ug/L	12.55	84.02%
Sr 421.552†	855961.7	1150	ug/L	1.1	5740	ug/L	5.7	0.10%
Ti 334.940†	114258.6	248	ug/L	0.6	1240	ug/L	3.1	0.25%
Tl 190.801†	-0.1	-3.34	ug/L	2.176	-16.7	ug/L	10.88	65.18%
V 292.402†	2294.1	88.1	ug/L	0.45	440	ug/L	2.3	0.52%
Zn 206.200†	477.3	36.3	ug/L	0.07	181	ug/L	0.3	0.18%

User canceled analysis.

==========

Analysis Begun

Start Time: 6/14/2007 5:40:31 PM **Plasma On Time: 6/14/2007 8:20:09 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\administrator\Sample Information\061407A.sif
Batch ID: 061407A
Results Data Set: 061407A-R1
Results Library: D:\pe\administrator\Results\Results.mdb
User canceled analysis.

==========

Analysis Begun

Start Time: 6/14/2007 5:40:45 PM **Plasma On Time: 6/14/2007 8:20:09 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\administrator\Sample Information\061407A.sif
Batch ID: 061407A
Results Data Set: 061407A-R1
Results Library: D:\pe\administrator\Results\Results.mdb

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Sequence No.: 95 **Autosampler Location: 111**
Sample ID: 250693404 **Date Collected: 6/14/2007 5:40:45 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 5X **Sample Prep Vol:**

Mean Data: 250693404

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1576864.9	101	%	0.3				0.34%
Sc Radial	199845.4	102	%	0.9				0.85%
Ag 328.068†	-532.3	-1.56	ug/L	0.067	-7.79	ug/L	0.335	4.30%
Al 308.215†	83404.9	31100	ug/L	65.8	156000	ug/L	329.0	0.21%
As 188.979†	13.6	2.80	ug/L	2.304	14.0	ug/L	11.52	82.40%
Ba 233.527†	19470.2	168	ug/L	0.6	841	ug/L	2.8	0.33%
Be 234.861†	412.5	1.67	ug/L	0.024	8.35	ug/L	0.121	1.45%
Ca 315.887†	2303957.6	223000	ug/L	2049.3	1120000	ug/L	10246.4	0.92%
Cd 226.502†	127.7	-24.0	ug/L	0.58	-120	ug/L	2.9	2.42%
Co 228.616†	72.5	2.33	ug/L	0.266	11.7	ug/L	1.33	11.40%
Cr 267.716†	2337.9	79.6	ug/L	0.23	398	ug/L	1.1	0.29%
Cu 324.752†	786.1	6.34	ug/L	0.145	31.7	ug/L	0.72	2.28%
Fe 259.939†	229136.8	17500	ug/L	27.3	87300	ug/L	136.4	0.16%
K 766.490†	6530.6	1560	ug/L	10.7	7800	ug/L	53.4	0.69%
Li 460.286†	1577.4	15.2	ug/L	6.18	75.8	ug/L	30.90	40.78%
Mg 279.077†	328576.3	32900	ug/L	390.1	165000	ug/L	1950.5	1.19%
Mn 257.610†	116293.6	221	ug/L	0.1	1110	ug/L	0.4	0.04%
Mo 202.031†	-21.9	-4.57	ug/L	1.113	-22.9	ug/L	5.57	24.35%
Na 589.592†	19102.2	1680	ug/L	9.2	8390	ug/L	46.0	0.55%
Ni 231.604†	139.3	14.0	ug/L	0.32	69.8	ug/L	1.60	2.29%
Pb 220.353†	20.5	38.5	ug/L	3.30	192	ug/L	16.5	8.58%
Sb 206.836†	27.5	-1.09	ug/L	1.011	-5.45	ug/L	5.054	92.66%
Se 196.026†	-12.2	-4.33	ug/L	2.034	-21.7	ug/L	10.17	46.94%
Sn 189.927†	-16.2	-2.64	ug/L	4.067	-13.2	ug/L	20.34	154.34%
Sr 421.552†	670606.1	898	ug/L	7.9	4490	ug/L	39.6	0.88%
Ti 334.940†	87020.9	189	ug/L	0.2	946	ug/L	1.2	0.13%
Tl 190.801†	-1.0	-2.33	ug/L	6.796	-11.6	ug/L	33.98	291.85%
V 292.402†	2328.7	87.9	ug/L	0.51	440	ug/L	2.5	0.57%
Zn 206.200†	359.5	28.0	ug/L	0.39	140	ug/L	2.0	1.41%

Sequence No.: 96
Sample ID: 250693406
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 112
Date Collected: 6/14/2007 5:44:49 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250693406

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1566274.2	99.8	%	0.81				0.81%
Sc Radial	205549.3	104	%	0.7				0.63%
Ag 328.068†	-678.1	-1.98	ug/L	0.079	-9.88	ug/L	0.396	4.01%
Al 308.215†	119997.5	44800	ug/L	390.0	224000	ug/L	1949.8	0.87%
As 188.979†	27.5	14.0	ug/L	3.49	70.1	ug/L	17.44	24.88%
Ba 233.527†	37882.1	328	ug/L	1.5	1640	ug/L	7.7	0.47%
Be 234.861†	695.4	2.52	ug/L	0.052	12.6	ug/L	0.26	2.05%
Ca 315.887†	2416310.3	234000	ug/L	2978.9	1170000	ug/L	14894.6	1.27%
Cd 226.502†	159.4	-23.4	ug/L	0.54	-117	ug/L	2.7	2.30%
Co 228.616†	143.2	4.81	ug/L	0.146	24.1	ug/L	0.73	3.03%
Cr 267.716†	3532.9	120	ug/L	0.8	601	ug/L	3.8	0.63%
Cu 324.752†	2899.7	14.5	ug/L	0.23	72.5	ug/L	1.14	1.57%
Fe 259.939†	445404.6	33900	ug/L	196.1	170000	ug/L	980.3	0.58%
K 766.490†	7312.5	1740	ug/L	14.4	8720	ug/L	72.2	0.83%
Li 460.286†	2844.6	24.1	ug/L	3.97	121	ug/L	19.9	16.46%
Mg 279.077†	53430.4	5370	ug/L	26.5	26900	ug/L	132.3	0.49%
Mn 257.610†	152986.3	293	ug/L	2.0	1460	ug/L	10.2	0.70%
Mo 202.031†	-23.5	-4.18	ug/L	2.860	-20.9	ug/L	14.30	68.34%
Na 589.592†	18444.1	1620	ug/L	14.9	8100	ug/L	74.5	0.92%
Ni 231.604†	169.2	16.7	ug/L	0.78	83.4	ug/L	3.91	4.70%
Pb 220.353†	26.6	42.2	ug/L	4.68	211	ug/L	23.4	11.08%
Sb 206.836†	24.7	-3.24	ug/L	2.212	-16.2	ug/L	11.06	68.24%
Se 196.026†	-23.1	-5.44	ug/L	3.173	-27.2	ug/L	15.86	58.31%
Sn 189.927†	-8.8	2.44	ug/L	1.385	12.2	ug/L	6.92	56.80%
Sr 421.552†	1460930.3	1960	ug/L	22.6	9810	ug/L	113.1	1.15%
Ti 334.940†	135831.5	295	ug/L	1.6	1480	ug/L	8.0	0.54%
Tl 190.801†	-2.1	-4.05	ug/L	3.459	-20.2	ug/L	17.29	85.47%
V 292.402†	3194.4	122	ug/L	0.8	609	ug/L	3.8	0.62%
Zn 206.200†	607.9	45.4	ug/L	0.26	227	ug/L	1.3	0.58%

Sequence No.: 97
Sample ID: 250693408
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 113
Date Collected: 6/14/2007 5:48:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250693408

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1559120.7	99.4	%	0.30				0.30%
Sc Radial	203216.8	103	%	0.6				0.54%
Ag 328.068†	-490.5	-1.24	ug/L	0.195	-6.20	ug/L	0.973	15.71%
Al 308.215†	96157.4	35900	ug/L	45.7	179000	ug/L	228.4	0.13%
As 188.979†	9.1	-1.44	ug/L	5.265	-7.21	ug/L	26.326	365.31%
Ba 233.527†	19597.9	169	ug/L	0.3	846	ug/L	1.5	0.18%
Be 234.861†	416.3	1.81	ug/L	0.084	9.04	ug/L	0.420	4.65%
Ca 315.887†	2543103.9	246000	ug/L	1320.1	1230000	ug/L	6600.4	0.54%
Cd 226.502†	118.3	-28.8	ug/L	0.95	-144	ug/L	4.8	3.30%
Co 228.616†	117.8	4.19	ug/L	0.080	21.0	ug/L	0.40	1.92%
Cr 267.716†	3046.1	104	ug/L	0.1	518	ug/L	0.7	0.13%
Cu 324.752†	3038.9	14.5	ug/L	0.17	72.6	ug/L	0.83	1.14%
Fe 259.939†	194105.1	14800	ug/L	47.8	73900	ug/L	239.2	0.32%
K 766.490†	8024.4	1910	ug/L	2.4	9560	ug/L	12.1	0.13%
Li 460.286†	1367.4	11.7	ug/L	3.02	58.7	ug/L	15.12	25.74%
Mg 279.077†	81558.3	8170	ug/L	55.7	40900	ug/L	278.7	0.68%
Mn 257.610†	321056.6	615	ug/L	0.3	3070	ug/L	1.7	0.06%
Mo 202.031†	-24.5	-5.43	ug/L	1.486	-27.2	ug/L	7.43	27.35%
Na 589.592†	20416.5	1790	ug/L	1.8	8970	ug/L	8.9	0.10%
Ni 231.604†	171.9	17.4	ug/L	0.91	86.8	ug/L	4.57	5.27%
Pb 220.353†	23.7	43.4	ug/L	4.00	217	ug/L	20.0	9.21%
Sb 206.836†	25.5	-3.10	ug/L	3.600	-15.5	ug/L	18.00	115.98%
Se 196.026†	-11.4	-5.66	ug/L	1.111	-28.3	ug/L	5.55	19.63%
Sn 189.927†	-14.9	-1.04	ug/L	1.152	-5.19	ug/L	5.758	110.98%
Sr 421.552†	1129625.8	1520	ug/L	7.5	7580	ug/L	37.5	0.50%
Ti 334.940†	123283.4	268	ug/L	0.2	1340	ug/L	1.2	0.09%
Tl 190.801†	6.0	1.85	ug/L	2.686	9.25	ug/L	13.431	145.20%
V 292.402†	1810.9	68.5	ug/L	0.07	342	ug/L	0.3	0.10%
Zn 206.200†	491.8	38.2	ug/L	0.34	191	ug/L	1.7	0.90%

Sequence No.: 98
Sample ID: 250693410
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 114
Date Collected: 6/14/2007 5:52:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250693410

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1555441.6	99.1	%	0.73				0.73%
Sc Radial	200992.7	102	%	0.9				0.90%
Ag 328.068†	-558.5	-1.71	ug/L	0.242	-8.57	ug/L	1.208	14.10%
Al 308.215†	61245.3	22900	ug/L	99.4	114000	ug/L	497.0	0.43%
As 188.979†	22.5	5.93	ug/L	1.221	29.6	ug/L	6.10	20.60%
Ba 233.527†	11649.0	100	ug/L	0.7	501	ug/L	3.4	0.67%
Be 234.861†	350.3	1.51	ug/L	0.059	7.55	ug/L	0.297	3.93%
Ca 315.887†	3145286.2	305000	ug/L	4503.0	1520000	ug/L	22515.0	1.48%
Cd 226.502†	134.6	-36.7	ug/L	0.52	-184	ug/L	2.6	1.41%
Co 228.616†	87.5	3.02	ug/L	0.083	15.1	ug/L	0.42	2.76%
Cr 267.716†	2194.4	74.7	ug/L	0.70	374	ug/L	3.5	0.94%
Cu 324.752†	9341.7	37.1	ug/L	0.30	186	ug/L	1.5	0.82%
Fe 259.939†	173767.6	13200	ug/L	70.7	66200	ug/L	353.7	0.53%
K 766.490†	5448.2	1310	ug/L	5.8	6530	ug/L	28.9	0.44%
Li 460.286†	1306.7	11.8	ug/L	7.53	59.0	ug/L	37.66	63.78%
Mg 279.077†	487876.4	48800	ug/L	459.5	244000	ug/L	2297.3	0.94%
Mn 257.610†	172639.0	329	ug/L	0.9	1640	ug/L	4.6	0.28%
Mo 202.031†	-19.9	-4.26	ug/L	2.125	-21.3	ug/L	10.63	49.93%
Na 589.592†	26191.6	2300	ug/L	9.8	11500	ug/L	49.1	0.43%
Ni 231.604†	154.7	15.6	ug/L	1.47	78.1	ug/L	7.34	9.39%
Pb 220.353†	18.0	46.5	ug/L	0.96	233	ug/L	4.8	2.07%
Sb 206.836†	30.7	-2.49	ug/L	1.477	-12.4	ug/L	7.38	59.36%
Se 196.026†	-10.0	-4.80	ug/L	3.136	-24.0	ug/L	15.68	65.32%
Sn 189.927†	-11.7	2.13	ug/L	0.894	10.7	ug/L	4.47	41.91%
Sr 421.552†	908865.6	1220	ug/L	16.4	6090	ug/L	82.0	1.35%
Ti 334.940†	87838.5	191	ug/L	0.6	955	ug/L	2.9	0.31%
Tl 190.801†	-1.5	-2.59	ug/L	3.748	-12.9	ug/L	18.74	144.92%
V 292.402†	1434.9	54.4	ug/L	0.67	272	ug/L	3.4	1.24%
Zn 206.200†	539.3	41.2	ug/L	0.35	206	ug/L	1.8	0.86%

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Sequence No.: 99
Sample ID: 250693412
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 115
Date Collected: 6/14/2007 5:56:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250693412

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1561716.4	99.5	%	0.71				0.71%
Sc Radial	203523.1	103	%	0.9				0.85%
Ag 328.068†	-597.8	-1.71	ug/L	0.168	-8.54	ug/L	0.839	9.82%
Al 308.215†	81835.7	30600	ug/L	51.8	153000	ug/L	258.9	0.17%
As 188.979†	22.3	5.81	ug/L	1.499	29.0	ug/L	7.50	25.80%
Ba 233.527†	21054.0	182	ug/L	0.2	908	ug/L	0.8	0.09%
Be 234.861†	455.2	1.85	ug/L	0.025	9.27	ug/L	0.126	1.36%
Ca 315.887†	3271346.8	317000	ug/L	1595.6	1580000	ug/L	7978.0	0.50%
Cd 226.502†	142.6	-38.3	ug/L	0.84	-191	ug/L	4.2	2.19%
Co 228.616†	164.5	6.14	ug/L	0.397	30.7	ug/L	1.99	6.47%
Cr 267.716†	2742.9	93.2	ug/L	1.37	466	ug/L	6.9	1.48%
Cu 324.752†	466.5	6.77	ug/L	0.116	33.8	ug/L	0.58	1.71%
Fe 259.939†	245300.2	18700	ug/L	37.8	93400	ug/L	189.2	0.20%
K 766.490†	7868.9	1880	ug/L	11.8	9380	ug/L	58.8	0.63%
Li 460.286†	1766.1	16.9	ug/L	3.68	84.6	ug/L	18.38	21.72%
Mg 279.077†	55285.8	5550	ug/L	68.9	27700	ug/L	344.7	1.24%
Mn 257.610†	200679.7	384	ug/L	0.5	1920	ug/L	2.5	0.13%
Mo 202.031†	-23.9	-5.06	ug/L	0.262	-25.3	ug/L	1.31	5.19%
Na 589.592†	43387.9	3820	ug/L	6.4	19100	ug/L	32.0	0.17%
Ni 231.604†	202.0	20.3	ug/L	1.03	102	ug/L	5.1	5.05%
Pb 220.353†	17.6	47.2	ug/L	1.60	236	ug/L	8.0	3.38%
Sb 206.836†	28.9	-3.94	ug/L	1.296	-19.7	ug/L	6.48	32.91%
Se 196.026†	-17.2	-8.68	ug/L	5.255	-43.4	ug/L	26.27	60.51%
Sn 189.927†	-12.4	2.06	ug/L	2.931	10.3	ug/L	14.66	142.23%
Sr 421.552†	1073846.8	1440	ug/L	7.5	7190	ug/L	37.7	0.52%
Ti 334.940†	111463.6	242	ug/L	0.1	1210	ug/L	0.7	0.06%
Tl 190.801†	-3.6	-4.56	ug/L	1.687	-22.8	ug/L	8.44	37.03%
V 292.402†	2667.7	101	ug/L	1.1	503	ug/L	5.5	1.09%
Zn 206.200†	661.5	51.2	ug/L	0.81	256	ug/L	4.1	1.59%

Sequence No.: 100
Sample ID: 250693416
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 116
Date Collected: 6/14/2007 6:01:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250693416

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1562808.7	99.6	%	0.59				0.60%
Sc Radial	203474.5	103	%	0.2				0.24%
Ag 328.068†	-619.8	-2.08	ug/L	0.151	-10.4	ug/L	0.75	7.23%
Al 308.215†	113552.3	42400	ug/L	34.2	212000	ug/L	171.0	0.08%
As 188.979†	10.5	0.775	ug/L	1.8030	3.88	ug/L	9.015	232.58%
Ba 233.527†	32390.9	280	ug/L	0.3	1400	ug/L	1.4	0.10%
Be 234.861†	556.7	2.26	ug/L	0.034	11.3	ug/L	0.17	1.52%
Ca 315.887†	2399462.7	232000	ug/L	417.6	1160000	ug/L	2087.8	0.18%
Cd 226.502†	134.8	-25.1	ug/L	0.55	-126	ug/L	2.7	2.17%
Co 228.616†	154.5	5.59	ug/L	0.309	27.9	ug/L	1.54	5.53%
Cr 267.716†	3478.6	118	ug/L	0.5	591	ug/L	2.4	0.40%
Cu 324.752†	10728.9	41.3	ug/L	0.14	207	ug/L	0.7	0.33%
Fe 259.939†	292629.7	22300	ug/L	35.2	111000	ug/L	176.2	0.16%
K 766.490†	9585.4	2280	ug/L	5.5	11400	ug/L	27.3	0.24%
Li 460.286†	1921.9	15.4	ug/L	2.79	77.1	ug/L	13.96	18.12%
Mg 279.077†	57504.2	5770	ug/L	56.0	28900	ug/L	279.8	0.97%
Mn 257.610†	156226.8	299	ug/L	0.3	1490	ug/L	1.5	0.10%
Mo 202.031†	-23.7	-4.82	ug/L	3.584	-24.1	ug/L	17.92	74.42%
Na 589.592†	25928.5	2280	ug/L	3.5	11400	ug/L	17.6	0.15%
Ni 231.604†	123.5	12.2	ug/L	0.39	61.2	ug/L	1.97	3.22%
Pb 220.353†	33.0	47.5	ug/L	1.80	238	ug/L	9.0	3.80%
Sb 206.836†	26.8	-2.14	ug/L	5.412	-10.7	ug/L	27.06	253.08%
Se 196.026†	-22.3	-11.4	ug/L	8.64	-57.1	ug/L	43.21	75.70%
Sn 189.927†	-12.8	-0.036	ug/L	1.0704	-0.180	ug/L	5.3521	>999.9%
Sr 421.552†	1283038.3	1720	ug/L	2.5	8610	ug/L	12.3	0.14%
Ti 334.940†	138902.7	302	ug/L	0.6	1510	ug/L	3.0	0.20%
Tl 190.801†	-5.4	-5.68	ug/L	6.646	-28.4	ug/L	33.23	116.99%
V 292.402†	1910.9	73.0	ug/L	0.50	365	ug/L	2.5	0.68%
Zn 206.200†	781.4	56.6	ug/L	0.79	283	ug/L	4.0	1.40%

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Sequence No.: 101 **Autosampler Location: 84**
Sample ID: 250690208 **Date Collected: 6/14/2007 6:05:05 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250690208

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1606867.5	102	%	0.3				0.31%
Sc Radial	206822.8	105	%	0.6				0.60%
Ag 328.068†	-280.5	-1.08	ug/L	0.268	-1.08	ug/L	0.268	24.92%
Al 308.215†	29.3	9.94	ug/L	2.897	9.94	ug/L	2.897	29.15%
As 188.979†	-0.5	-1.13	ug/L	3.931	-1.13	ug/L	3.931	348.24%
Ba 233.527†	-13.2	0.018	ug/L	0.0207	0.018	ug/L	0.0207	114.83%
Be 234.861†	-18.4	0.043	ug/L	0.0329	0.043	ug/L	0.0329	76.85%
Ca 315.887†	104258.7	10100	ug/L	10.8	10100	ug/L	10.8	0.11%
Cd 226.502†	15.9	0.567	ug/L	0.4855	0.567	ug/L	0.4855	85.59%
Co 228.616†	-0.6	-0.062	ug/L	0.0112	-0.062	ug/L	0.0112	18.00%
Cr 267.716†	896.4	30.1	ug/L	0.56	30.1	ug/L	0.56	1.87%
Cu 324.752†	-72.6	-0.311	ug/L	0.1105	-0.311	ug/L	0.1105	35.54%
Fe 259.939†	116.3	9.87	ug/L	0.864	9.87	ug/L	0.864	8.76%
K 766.490†	171015.8	40300	ug/L	52.8	40300	ug/L	52.8	0.13%
Li 460.286†	54.5	5.00	ug/L	3.858	5.00	ug/L	3.858	77.13%
Mg 279.077†	31442.0	3150	ug/L	22.5	3150	ug/L	22.5	0.71%
Mn 257.610†	7252.7	13.4	ug/L	0.08	13.4	ug/L	0.08	0.63%
Mo 202.031†	-2.9	-0.321	ug/L	1.0885	-0.321	ug/L	1.0885	338.79%
Na 589.592†	116777.9	10300	ug/L	13.3	10300	ug/L	13.3	0.13%
Ni 231.604†	0.6	0.156	ug/L	0.6515	0.156	ug/L	0.6515	417.75%
Pb 220.353†	-2.3	0.411	ug/L	0.1442	0.411	ug/L	0.1442	35.10%
Sb 206.836†	9.8	-1.43	ug/L	3.342	-1.43	ug/L	3.342	234.24%
Se 196.026†	-4.2	-6.33	ug/L	7.789	-6.33	ug/L	7.789	123.03%
Sn 189.927†	-4.2	-0.550	ug/L	1.7187	-0.550	ug/L	1.7187	312.59%
Sr 421.552†	37210.9	49.8	ug/L	0.05	49.8	ug/L	0.05	0.10%
Ti 334.940†	205.6	0.428	ug/L	0.1013	0.428	ug/L	0.1013	23.64%
Tl 190.801†	-1.9	-1.47	ug/L	1.784	-1.47	ug/L	1.784	121.35%
V 292.402†	12.0	0.285	ug/L	0.1461	0.285	ug/L	0.1461	51.28%
Zn 206.200†	179.5	11.6	ug/L	0.38	11.6	ug/L	0.38	3.27%

Sequence No.: 102 **Autosampler Location: 85**
Sample ID: 250693801 **Date Collected: 6/14/2007 6:09:34 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250693801

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1616707.4	103	%	0.2				0.22%
Sc Radial	207400.7	105	%	0.2				0.20%
Ag 328.068†	-282.6	-1.13	ug/L	0.106	-1.13	ug/L	0.106	9.41%
Al 308.215†	767.9	286	ug/L	3.0	286	ug/L	3.0	1.05%
As 188.979†	3.0	1.60	ug/L	3.255	1.60	ug/L	3.255	202.91%
Ba 233.527†	2766.4	24.1	ug/L	0.10	24.1	ug/L	0.10	0.40%
Be 234.861†	7.6	0.183	ug/L	0.0215	0.183	ug/L	0.0215	11.75%
Ca 315.887†	14073.2	1360	ug/L	3.2	1360	ug/L	3.2	0.23%
Cd 226.502†	-1.8	-0.011	ug/L	0.6518	-0.011	ug/L	0.6518	>999.9%
Co 228.616†	13.1	0.546	ug/L	0.0982	0.546	ug/L	0.0982	17.99%
Cr 267.716†	10.7	-0.170	ug/L	0.4138	-0.170	ug/L	0.4138	243.61%
Cu 324.752†	-119.2	-0.592	ug/L	0.1136	-0.592	ug/L	0.1136	19.18%
Fe 259.939†	1274.0	98.1	ug/L	0.20	98.1	ug/L	0.20	0.20%
K 766.490†	4692.1	1130	ug/L	10.2	1130	ug/L	10.2	0.90%
Li 460.286†	-15.4	0.094	ug/L	2.5046	0.094	ug/L	2.5046	>999.9%
Mg 279.077†	8934.6	895	ug/L	2.6	895	ug/L	2.6	0.29%
Mn 257.610†	5197.2	9.48	ug/L	0.040	9.48	ug/L	0.040	0.42%
Mo 202.031†	-3.4	-0.451	ug/L	0.6080	-0.451	ug/L	0.6080	134.85%
Na 589.592†	59632.7	5250	ug/L	9.3	5250	ug/L	9.3	0.18%
Ni 231.604†	9.1	1.02	ug/L	1.077	1.02	ug/L	1.077	105.16%
Pb 220.353†	-2.6	-0.761	ug/L	1.8252	-0.761	ug/L	1.8252	239.88%
Sb 206.836†	6.7	-2.23	ug/L	0.454	-2.23	ug/L	0.454	20.35%
Se 196.026†	2.8	0.590	ug/L	3.0999	0.590	ug/L	3.0999	525.66%
Sn 189.927†	-1.7	0.755	ug/L	2.6194	0.755	ug/L	2.6194	347.04%
Sr 421.552†	14802.1	19.9	ug/L	0.01	19.9	ug/L	0.01	0.07%
Ti 334.940†	915.5	1.97	ug/L	0.120	1.97	ug/L	0.120	6.11%
Tl 190.801†	1.0	0.576	ug/L	1.6266	0.576	ug/L	1.6266	282.48%
V 292.402†	14.4	0.317	ug/L	0.1270	0.317	ug/L	0.1270	40.06%
Zn 206.200†	122.2	7.59	ug/L	0.585	7.59	ug/L	0.585	7.71%

Sequence No.: 103 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 6/14/2007 6:14:02 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1549601.7	98.8	%	0.21				0.22%
Sc Radial	200531.3	102	%	0.5				0.54%
Ag 328.068†	53148.8	486	ug/L	2.8	486	ug/L	2.8	0.57%
QC value within limits for Ag 328.068 Recovery = 97.11%								
Al 308.215†	64309.6	24000	ug/L	51.3	24000	ug/L	51.3	0.21%
QC value within limits for Al 308.215 Recovery = 96.04%								
As 188.979†	637.9	472	ug/L	2.6	472	ug/L	2.6	0.56%
QC value within limits for As 188.979 Recovery = 94.31%								
Ba 233.527†	55746.7	483	ug/L	3.1	483	ug/L	3.1	0.65%
QC value within limits for Ba 233.527 Recovery = 96.61%								
Be 234.861†	87818.8	485	ug/L	1.7	485	ug/L	1.7	0.36%
QC value within limits for Be 234.861 Recovery = 96.94%								
Ca 315.887†	246863.4	23900	ug/L	55.0	23900	ug/L	55.0	0.23%
QC value within limits for Ca 315.887 Recovery = 95.66%								
Cd 226.502†	4176.4	480	ug/L	1.3	480	ug/L	1.3	0.28%
QC value within limits for Cd 226.502 Recovery = 95.90%								
Co 228.616†	11340.2	484	ug/L	1.9	484	ug/L	1.9	0.39%
QC value within limits for Co 228.616 Recovery = 96.85%								
Cr 267.716†	14372.7	490	ug/L	2.5	490	ug/L	2.5	0.51%
QC value within limits for Cr 267.716 Recovery = 98.10%								
Cu 324.752†	134563.4	469	ug/L	2.6	469	ug/L	2.6	0.56%
QC value within limits for Cu 324.752 Recovery = 93.85%								
Fe 259.939†	509859.1	38800	ug/L	19.3	38800	ug/L	19.3	0.05%
QC value within limits for Fe 259.939 Recovery = 97.11%								
K 766.490†	103299.3	24400	ug/L	44.4	24400	ug/L	44.4	0.18%
QC value within limits for K 766.490 Recovery = 97.47%								
Li 460.286†	69556.6	4760	ug/L	7.8	4760	ug/L	7.8	0.16%
Mg 279.077†	241432.4	24200	ug/L	103.7	24200	ug/L	103.7	0.43%
QC value within limits for Mg 279.077 Recovery = 96.77%								
Mn 257.610†	256940.2	491	ug/L	1.4	491	ug/L	1.4	0.29%
QC value within limits for Mn 257.610 Recovery = 98.29%								
Mo 202.031†	1707.5	466	ug/L	2.7	466	ug/L	2.7	0.58%
QC value within limits for Mo 202.031 Recovery = 93.17%								
Na 589.592†	264317.3	23300	ug/L	66.3	23300	ug/L	66.3	0.29%
QC value within limits for Na 589.592 Recovery = 93.10%								
Ni 231.604†	4746.7	484	ug/L	1.6	484	ug/L	1.6	0.33%
QC value within limits for Ni 231.604 Recovery = 96.84%								
Pb 220.353†	714.7	480	ug/L	4.6	480	ug/L	4.6	0.95%
QC value within limits for Pb 220.353 Recovery = 95.93%								
Sb 206.836†	977.9	462	ug/L	3.0	462	ug/L	3.0	0.66%
QC value within limits for Sb 206.836 Recovery = 92.44%								
Se 196.026†	480.3	489	ug/L	3.8	489	ug/L	3.8	0.77%
QC value within limits for Se 196.026 Recovery = 97.75%								
Sn 189.927†	600.9	373	ug/L	1.7	373	ug/L	1.7	0.47%
QC value within limits for Sn 189.927 Recovery = 93.30%								
Sr 421.552†	289606.4	389	ug/L	1.1	389	ug/L	1.1	0.28%
QC value within limits for Sr 421.552 Recovery = 97.31%								
Ti 334.940†	178335.5	388	ug/L	0.1	388	ug/L	0.1	0.02%
QC value within limits for Ti 334.940 Recovery = 96.95%								
Tl 190.801†	688.1	452	ug/L	6.2	452	ug/L	6.2	1.37%
QC value within limits for Tl 190.801 Recovery = 90.48%								
V 292.402†	13171.8	497	ug/L	4.4	497	ug/L	4.4	0.88%
QC value within limits for V 292.402 Recovery = 99.33%								
Zn 206.200†	7228.9	468	ug/L	2.8	468	ug/L	2.8	0.59%
QC value within limits for Zn 206.200 Recovery = 93.55%								

All analyte(s) passed QC.

Sequence No.: 104 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 6/14/2007 6:18:02 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1584210.8	101	%	0.2				0.19%
Sc Radial	201218.8	102	%	0.1				0.12%
Ag 328.068†	-282.3	-1.13	ug/L	0.041	-1.13	ug/L	0.041	3.61%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-12.7	-5.75	ug/L	0.771	-5.75	ug/L	0.771	13.41%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-0.6	-0.983	ug/L	3.1505	-0.983	ug/L	3.1505	320.50%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-17.0	0.015	ug/L	0.0170	0.015	ug/L	0.0170	112.09%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-27.2	-0.006	ug/L	0.0226	-0.006	ug/L	0.0226	379.69%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	162.6	12.6	ug/L	0.44	12.6	ug/L	0.44	3.47%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	-2.6	0.138	ug/L	0.4460	0.138	ug/L	0.4460	322.57%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-1.4	-0.095	ug/L	0.2676	-0.095	ug/L	0.2676	280.81%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	3.9	-0.410	ug/L	0.2169	-0.410	ug/L	0.2169	52.95%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-89.0	-0.507	ug/L	0.0579	-0.507	ug/L	0.0579	11.43%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	49.6	4.79	ug/L	0.566	4.79	ug/L	0.566	11.82%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-62.8	6.21	ug/L	5.383	6.21	ug/L	5.383	86.64%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	-42.2	-1.27	ug/L	2.820	-1.27	ug/L	2.820	222.40%
Mg 279.077†	13.6	1.94	ug/L	0.379	1.94	ug/L	0.379	19.57%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	120.4	-0.221	ug/L	0.0130	-0.221	ug/L	0.0130	5.89%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-4.6	-0.774	ug/L	0.5405	-0.774	ug/L	0.5405	69.80%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	71.4	2.11	ug/L	0.578	2.11	ug/L	0.578	27.38%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-1.3	-0.040	ug/L	0.6671	-0.040	ug/L	0.6671	>999.9%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-5.3	-2.72	ug/L	1.548	-2.72	ug/L	1.548	57.00%
QC value less than the lower limit for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	3.5	-3.73	ug/L	2.431	-3.73	ug/L	2.431	65.17%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	2.7	0.407	ug/L	3.6150	0.407	ug/L	3.6150	888.46%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-1.4	0.890	ug/L	1.3244	0.890	ug/L	1.3244	148.76%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	16.7	-0.008	ug/L	0.0300	-0.008	ug/L	0.0300	353.70%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	33.0	0.053	ug/L	0.0418	0.053	ug/L	0.0418	78.73%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	0.3	0.081	ug/L	2.6564	0.081	ug/L	2.6564	>999.9%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	2.1	-0.149	ug/L	0.0764	-0.149	ug/L	0.0764	51.35%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	42.7	2.46	ug/L	0.323	2.46	ug/L	0.323	13.16%
QC value within limits for Zn 206.200 Recovery = Not calculated								

QC Failed. Retry.

Sequence No.: 105 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 6/14/2007 6:21:01 PM**

Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1581819.8	101	%	0.1				0.13%
Sc Radial	200016.1	102	%	0.3				0.34%
Ag 328.068†	-263.9	-0.966	ug/L	0.3563	-0.966	ug/L	0.3563	36.88%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-9.4	-4.49	ug/L	3.356	-4.49	ug/L	3.356	74.70%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-2.5	-2.36	ug/L	3.053	-2.36	ug/L	3.053	129.17%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-14.2	0.039	ug/L	0.0673	0.039	ug/L	0.0673	171.26%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-25.7	0.002	ug/L	0.0124	0.002	ug/L	0.0124	512.37%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	172.2	13.5	ug/L	1.65	13.5	ug/L	1.65	12.25%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	-6.9	-0.366	ug/L	0.2402	-0.366	ug/L	0.2402	65.66%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-6.3	-0.306	ug/L	0.1478	-0.306	ug/L	0.1478	48.30%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	7.6	-0.284	ug/L	0.0973	-0.284	ug/L	0.0973	34.30%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-121.8	-0.622	ug/L	0.0534	-0.622	ug/L	0.0534	8.59%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	40.9	4.12	ug/L	0.428	4.12	ug/L	0.428	10.38%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-102.2	-3.06	ug/L	6.583	-3.06	ug/L	6.583	215.29%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	-71.6	-3.36	ug/L	1.863	-3.36	ug/L	1.863	55.45%
Mg 279.077†	35.4	4.13	ug/L	1.473	4.13	ug/L	1.473	35.70%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	125.5	-0.211	ug/L	0.0070	-0.211	ug/L	0.0070	3.31%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-2.3	-0.145	ug/L	0.7184	-0.145	ug/L	0.7184	497.14%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	1.8	-4.02	ug/L	2.815	-4.02	ug/L	2.815	70.02%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	2.7	0.373	ug/L	0.3805	0.373	ug/L	0.3805	102.00%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	0.8	1.33	ug/L	1.276	1.33	ug/L	1.276	95.78%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	6.8	-2.14	ug/L	1.460	-2.14	ug/L	1.460	68.18%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-1.5	-3.66	ug/L	2.127	-3.66	ug/L	2.127	58.15%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-2.3	0.330	ug/L	1.5434	0.330	ug/L	1.5434	467.84%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	31.7	0.012	ug/L	0.0087	0.012	ug/L	0.0087	74.01%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	9.2	0.001	ug/L	0.0526	0.001	ug/L	0.0526	>999.9%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	1.8	1.14	ug/L	3.322	1.14	ug/L	3.322	290.95%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-1.2	-0.267	ug/L	0.2078	-0.267	ug/L	0.2078	77.90%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	41.3	2.37	ug/L	0.371	2.37	ug/L	0.371	15.68%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

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Sequence No.: 106 **Autosampler Location: 86**
Sample ID: 250693802 **Date Collected: 6/14/2007 6:25:20 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250693802

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1627966.6	104	%	0.1				0.08%
Sc Radial	204550.3	104	%	0.2				0.24%
Ag 328.068†	-290.0	-1.20	ug/L	0.362	-1.20	ug/L	0.362	30.28%
Al 308.215†	68.9	24.7	ug/L	4.17	24.7	ug/L	4.17	16.87%
As 188.979†	-0.1	-0.690	ug/L	3.4947	-0.690	ug/L	3.4947	506.53%
Ba 233.527†	70.3	0.766	ug/L	0.0504	0.766	ug/L	0.0504	6.57%
Be 234.861†	-8.5	0.097	ug/L	0.0445	0.097	ug/L	0.0445	45.72%
Ca 315.887†	15535.7	1500	ug/L	1.9	1500	ug/L	1.9	0.12%
Cd 226.502†	2.2	0.440	ug/L	0.3259	0.440	ug/L	0.3259	74.05%
Co 228.616†	2.9	0.084	ug/L	0.1146	0.084	ug/L	0.1146	135.66%
Cr 267.716†	31.4	0.531	ug/L	0.0568	0.531	ug/L	0.0568	10.69%
Cu 324.752†	0.7	-0.173	ug/L	0.0917	-0.173	ug/L	0.0917	53.06%
Fe 259.939†	216.6	17.5	ug/L	0.29	17.5	ug/L	0.29	1.68%
K 766.490†	3912.2	943	ug/L	3.3	943	ug/L	3.3	0.35%
Li 460.286†	-36.1	-0.990	ug/L	7.7243	-0.990	ug/L	7.7243	780.27%
Mg 279.077†	743.9	75.1	ug/L	1.45	75.1	ug/L	1.45	1.93%
Mn 257.610†	105449.9	202	ug/L	1.5	202	ug/L	1.5	0.75%
Mo 202.031†	-3.1	-0.378	ug/L	0.7529	-0.378	ug/L	0.7529	199.17%
Na 589.592†	12868.8	1130	ug/L	1.8	1130	ug/L	1.8	0.16%
Ni 231.604†	8.4	0.949	ug/L	0.6291	0.949	ug/L	0.6291	66.26%
Pb 220.353†	-7.0	-3.81	ug/L	3.131	-3.81	ug/L	3.131	82.20%
Sb 206.836†	4.2	-3.43	ug/L	1.325	-3.43	ug/L	1.325	38.61%
Se 196.026†	2.5	-0.079	ug/L	2.7207	-0.079	ug/L	2.7207	>999.9%
Sn 189.927†	-0.4	1.56	ug/L	3.132	1.56	ug/L	3.132	200.95%
Sr 421.552†	2657.2	3.52	ug/L	0.011	3.52	ug/L	0.011	0.32%
Ti 334.940†	564.0	1.21	ug/L	0.036	1.21	ug/L	0.036	2.96%
Tl 190.801†	-1.7	-1.68	ug/L	3.825	-1.68	ug/L	3.825	227.56%
V 292.402†	11.6	0.208	ug/L	0.2492	0.208	ug/L	0.2492	120.01%
Zn 206.200†	576.4	37.0	ug/L	0.53	37.0	ug/L	0.53	1.44%

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Sequence No.: 107 **Autosampler Location: 87**
Sample ID: 250694101 **Date Collected: 6/14/2007 6:29:48 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250694101

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1628325.0	104	%	0.3				0.31%
Sc Radial	206179.5	105	%	0.2				0.22%
Ag 328.068†	-272.3	-1.03	ug/L	0.058	-1.03	ug/L	0.058	5.62%
Al 308.215†	169.0	62.1	ug/L	2.91	62.1	ug/L	2.91	4.69%
As 188.979†	-1.7	-1.83	ug/L	1.802	-1.83	ug/L	1.802	98.37%
Ba 233.527†	76.9	0.823	ug/L	0.0300	0.823	ug/L	0.0300	3.65%
Be 234.861†	-15.1	0.060	ug/L	0.0192	0.060	ug/L	0.0192	31.72%
Ca 315.887†	18843.5	1820	ug/L	3.1	1820	ug/L	3.1	0.17%
Cd 226.502†	-0.0	0.125	ug/L	0.5453	0.125	ug/L	0.5453	434.78%
Co 228.616†	3.3	0.104	ug/L	0.0799	0.104	ug/L	0.0799	76.68%
Cr 267.716†	20.1	0.145	ug/L	0.4577	0.145	ug/L	0.4577	316.22%
Cu 324.752†	86.7	0.130	ug/L	0.1021	0.130	ug/L	0.1021	78.34%
Fe 259.939†	201.1	16.3	ug/L	0.70	16.3	ug/L	0.70	4.31%
K 766.490†	1835.2	454	ug/L	4.5	454	ug/L	4.5	0.99%
Li 460.286†	-60.8	-2.76	ug/L	4.566	-2.76	ug/L	4.566	165.31%
Mg 279.077†	747.8	75.4	ug/L	1.24	75.4	ug/L	1.24	1.64%
Mn 257.610†	1589.3	2.59	ug/L	0.012	2.59	ug/L	0.012	0.45%
Mo 202.031†	1.5	0.881	ug/L	0.7456	0.881	ug/L	0.7456	84.63%
Na 589.592†	6831.9	598	ug/L	1.1	598	ug/L	1.1	0.19%
Ni 231.604†	6.4	0.746	ug/L	0.7364	0.746	ug/L	0.7364	98.70%
Pb 220.353†	-4.2	-1.80	ug/L	1.796	-1.80	ug/L	1.796	99.73%
Sb 206.836†	8.4	-1.43	ug/L	1.823	-1.43	ug/L	1.823	127.27%
Se 196.026†	-3.1	-5.26	ug/L	3.699	-5.26	ug/L	3.699	70.27%
Sn 189.927†	-1.3	1.04	ug/L	1.599	1.04	ug/L	1.599	153.33%
Sr 421.552†	2707.3	3.58	ug/L	0.029	3.58	ug/L	0.029	0.82%
Ti 334.940†	578.1	1.24	ug/L	0.042	1.24	ug/L	0.042	3.38%
Tl 190.801†	-4.4	-3.09	ug/L	2.529	-3.09	ug/L	2.529	81.89%
V 292.402†	15.7	0.369	ug/L	0.1581	0.369	ug/L	0.1581	42.81%
Zn 206.200†	540.0	34.6	ug/L	0.42	34.6	ug/L	0.42	1.20%

Sequence No.: 108
Sample ID: 250694102
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 88
Date Collected: 6/14/2007 6:34:16 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250694102

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1684634.3	107	%	0.1				0.12%
Sc Radial	214352.9	109	%	0.1				0.13%
Ag 328.068†	-301.2	-1.18	ug/L	0.104	-1.18	ug/L	0.104	8.82%
Al 308.215†	1109.8	413	ug/L	3.8	413	ug/L	3.8	0.92%
As 188.979†	-0.3	-0.797	ug/L	1.7034	-0.797	ug/L	1.7034	213.84%
Ba 233.527†	6074.3	52.7	ug/L	0.22	52.7	ug/L	0.22	0.42%
Be 234.861†	14.7	0.136	ug/L	0.0190	0.136	ug/L	0.0190	13.98%
Ca 315.887†	57140.5	5530	ug/L	50.0	5530	ug/L	50.0	0.90%
Cd 226.502†	8.5	0.330	ug/L	0.4070	0.330	ug/L	0.4070	123.32%
Co 228.616†	12.2	0.474	ug/L	0.1092	0.474	ug/L	0.1092	23.03%
Cr 267.716†	28.2	0.453	ug/L	0.2185	0.453	ug/L	0.2185	48.24%
Cu 324.752†	-351.1	-1.28	ug/L	0.250	-1.28	ug/L	0.250	19.48%
Fe 259.939†	27465.5	2090	ug/L	16.3	2090	ug/L	16.3	0.78%
K 766.490†	6289.5	1500	ug/L	13.7	1500	ug/L	13.7	0.91%
Li 460.286†	84.9	-2.73	ug/L	5.265	-2.73	ug/L	5.265	192.88%
Mg 279.077†	39250.7	3930	ug/L	8.1	3930	ug/L	8.1	0.21%
Mn 257.610†	6012.2	10.9	ug/L	0.06	10.9	ug/L	0.06	0.59%
Mo 202.031†	-0.1	0.556	ug/L	1.2541	0.556	ug/L	1.2541	225.49%
Na 589.592†	99892.5	8790	ug/L	12.1	8790	ug/L	12.1	0.14%
Ni 231.604†	13.6	1.43	ug/L	0.174	1.43	ug/L	0.174	12.17%
Pb 220.353†	-5.4	-2.38	ug/L	1.070	-2.38	ug/L	1.070	44.96%
Sb 206.836†	5.6	-2.90	ug/L	1.388	-2.90	ug/L	1.388	47.91%
Se 196.026†	1.7	0.682	ug/L	1.0132	0.682	ug/L	1.0132	148.54%
Sn 189.927†	-4.4	-0.827	ug/L	1.6665	-0.827	ug/L	1.6665	201.39%
Sr 421.552†	62213.7	83.6	ug/L	0.09	83.6	ug/L	0.09	0.11%
Ti 334.940†	1133.2	2.45	ug/L	0.051	2.45	ug/L	0.051	2.08%
Tl 190.801†	-3.9	-2.89	ug/L	1.887	-2.89	ug/L	1.887	65.19%
V 292.402†	23.3	0.880	ug/L	0.2359	0.880	ug/L	0.2359	26.81%
Zn 206.200†	28.6	1.53	ug/L	0.283	1.53	ug/L	0.283	18.49%

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Sequence No.: 109
Sample ID: 250695501
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 90
Date Collected: 6/14/2007 6:38:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250695501

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1537471.2	98.0	%	0.32				0.33%
Sc Radial	197601.1	100	%	0.4				0.37%
Ag 328.068†	-347.6	-1.01	ug/L	0.175	-1.01	ug/L	0.175	17.30%
Al 308.215†	104.2	37.9	ug/L	1.81	37.9	ug/L	1.81	4.77%
As 188.979†	-9.3	-14.0	ug/L	1.60	-14.0	ug/L	1.60	11.46%
Ba 233.527†	922.9	7.63	ug/L	0.038	7.63	ug/L	0.038	0.49%
Be 234.861†	-23.5	0.014	ug/L	0.0087	0.014	ug/L	0.0087	62.23%
Ca 315.887†	1833245.1	178000	ug/L	341.5	178000	ug/L	341.5	0.19%
Cd 226.502†	93.7	-18.8	ug/L	0.42	-18.8	ug/L	0.42	2.25%
Co 228.616†	5.1	0.190	ug/L	0.2187	0.190	ug/L	0.2187	115.30%
Cr 267.716†	-41.4	-1.54	ug/L	0.190	-1.54	ug/L	0.190	12.35%
Cu 324.752†	446.9	3.80	ug/L	0.295	3.80	ug/L	0.295	7.77%
Fe 259.939†	220.3	17.8	ug/L	0.15	17.8	ug/L	0.15	0.86%
K 766.490†	151386.5	35700	ug/L	136.5	35700	ug/L	136.5	0.38%
Li 460.286†	466.1	24.4	ug/L	2.54	24.4	ug/L	2.54	10.38%
Mg 279.077†	579876.2	58000	ug/L	329.9	58000	ug/L	329.9	0.57%
Mn 257.610†	3677.2	4.63	ug/L	0.043	4.63	ug/L	0.043	0.92%
Mo 202.031†	5.5	1.96	ug/L	0.457	1.96	ug/L	0.457	23.36%
Na 589.592†	6495182.4	572000	ug/L	4228.9	572000	ug/L	4228.9	0.74%
Ni 231.604†	8.5	0.956	ug/L	1.2874	0.956	ug/L	1.2874	134.63%
Pb 220.353†	-4.6	18.1	ug/L	4.00	18.1	ug/L	4.00	22.09%
Sb 206.836†	26.5	0.884	ug/L	2.8621	0.884	ug/L	2.8621	323.94%
Se 196.026†	-8.1	-10.1	ug/L	0.07	-10.1	ug/L	0.07	0.72%
Sn 189.927†	-9.4	0.113	ug/L	1.4292	0.113	ug/L	1.4292	>999.9%
Sr 421.552†	2656970.2	3570	ug/L	13.3	3570	ug/L	13.3	0.37%
Ti 334.940†	265.2	0.558	ug/L	0.0242	0.558	ug/L	0.0242	4.34%
Tl 190.801†	0.7	0.291	ug/L	3.3286	0.291	ug/L	3.3286	>999.9%
V 292.402†	316.7	11.5	ug/L	0.14	11.5	ug/L	0.14	1.21%
Zn 206.200†	36.7	4.71	ug/L	0.497	4.71	ug/L	0.497	10.56%

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Sequence No.: 110 **Autosampler Location: 91**
Sample ID: 250695501L **Date Collected: 6/14/2007 6:43:46 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 5X **Sample Prep Vol:**

Mean Data: 250695501L

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1578348.4	101	%	0.7				0.71%
Sc Radial	203600.5	103	%	2.0				1.97%
Ag 328.068†	-266.0	-0.839	ug/L	0.0283	-4.19	ug/L	0.142	3.38%
Al 308.215†	16.1	5.03	ug/L	4.012	25.1	ug/L	20.06	79.80%
As 188.979†	-5.2	-5.73	ug/L	1.826	-28.7	ug/L	9.13	31.86%
Ba 233.527†	181.1	1.62	ug/L	0.013	8.11	ug/L	0.067	0.83%
Be 234.861†	-22.9	0.018	ug/L	0.0148	0.091	ug/L	0.0741	81.92%
Ca 315.887†	376287.8	36500	ug/L	922.5	182000	ug/L	4612.3	2.53%
Cd 226.502†	43.3	-0.724	ug/L	0.3407	-3.62	ug/L	1.704	47.09%
Co 228.616†	2.2	0.060	ug/L	0.1566	0.298	ug/L	0.7831	262.88%
Cr 267.716†	-11.9	-0.864	ug/L	0.2859	-4.32	ug/L	1.430	33.11%
Cu 324.752†	731.5	2.85	ug/L	0.231	14.2	ug/L	1.15	8.10%
Fe 259.939†	37.6	3.88	ug/L	0.494	19.4	ug/L	2.47	12.74%
K 766.490†	29572.0	6990	ug/L	165.0	35000	ug/L	824.9	2.36%
Li 460.286†	113.3	7.67	ug/L	2.386	38.3	ug/L	11.93	31.11%
Mg 279.077†	119708.8	12000	ug/L	228.3	59900	ug/L	1141.7	1.91%
Mn 257.610†	8306.9	15.1	ug/L	0.12	75.4	ug/L	0.60	0.80%
Mo 202.031†	-5.1	-0.912	ug/L	0.5661	-4.56	ug/L	2.830	62.10%
Na 589.592†	1313740.2	116000	ug/L	2929.7	578000	ug/L	14648.5	2.53%
Ni 231.604†	2.7	0.367	ug/L	0.6276	1.83	ug/L	3.138	171.07%
Pb 220.353†	-1.8	3.75	ug/L	1.067	18.7	ug/L	5.33	28.46%
Sb 206.836†	17.0	1.41	ug/L	2.577	7.07	ug/L	12.885	182.37%
Se 196.026†	-2.8	-5.01	ug/L	4.003	-25.0	ug/L	20.02	79.93%
Sn 189.927†	-7.8	-2.21	ug/L	1.863	-11.1	ug/L	9.32	84.30%
Sr 421.552†	542226.9	729	ug/L	18.1	3640	ug/L	90.7	2.49%
Ti 334.940†	160.8	0.331	ug/L	0.0580	1.65	ug/L	0.290	17.53%
Tl 190.801†	0.1	-0.070	ug/L	2.3503	-0.351	ug/L	11.7515	>999.9%
V 292.402†	66.1	2.22	ug/L	0.186	11.1	ug/L	0.93	8.38%
Zn 206.200†	111.2	7.41	ug/L	0.186	37.1	ug/L	0.93	2.51%

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Sequence No.: 111
Sample ID: 250695502
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 92
Date Collected: 6/14/2007 6:48:32 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250695502

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1526650.5	97.3	%	0.67				0.69%
Sc Radial	202962.8	103	%	0.2				0.19%
Ag 328.068†	20212.8	188	ug/L	1.2	188	ug/L	1.2	0.66%
Al 308.215†	123082.7	46000	ug/L	164.6	46000	ug/L	164.6	0.36%
As 188.979†	602.4	439	ug/L	4.9	439	ug/L	4.9	1.12%
Ba 233.527†	153183.4	1330	ug/L	11.5	1330	ug/L	11.5	0.87%
Be 234.861†	85557.9	472	ug/L	4.4	472	ug/L	4.4	0.92%
Ca 315.887†	2193898.4	213000	ug/L	1189.2	213000	ug/L	1189.2	0.56%
Cd 226.502†	3893.8	414	ug/L	5.2	414	ug/L	5.2	1.25%
Co 228.616†	9875.3	422	ug/L	5.2	422	ug/L	5.2	1.23%
Cr 267.716†	12596.1	430	ug/L	5.1	430	ug/L	5.1	1.19%
Cu 324.752†	136545.5	479	ug/L	4.0	479	ug/L	4.0	0.83%
Fe 259.939†	593064.7	45200	ug/L	163.0	45200	ug/L	163.0	0.36%
K 766.490†	350850.7	82700	ug/L	250.4	82700	ug/L	250.4	0.30%
Li 460.286†	68126.3	4620	ug/L	37.5	4620	ug/L	37.5	0.81%
Mg 279.077†	977324.5	97900	ug/L	281.0	97900	ug/L	281.0	0.29%
Mn 257.610†	232934.7	443	ug/L	3.8	443	ug/L	3.8	0.85%
Mo 202.031†	1565.7	428	ug/L	3.0	428	ug/L	3.0	0.71%
Na 589.592†	6726686.9	592000	ug/L	2037.9	592000	ug/L	2037.9	0.34%
Ni 231.604†	4200.4	428	ug/L	3.5	428	ug/L	3.5	0.82%
Pb 220.353†	650.1	458	ug/L	6.5	458	ug/L	6.5	1.41%
Sb 206.836†	966.9	451	ug/L	9.8	451	ug/L	9.8	2.17%
Se 196.026†	465.1	478	ug/L	3.1	478	ug/L	3.1	0.66%
Sn 189.927†	698.5	438	ug/L	9.2	438	ug/L	9.2	2.10%
Sr 421.552†	2854058.4	3840	ug/L	18.9	3840	ug/L	18.9	0.49%
Ti 334.940†	205851.0	448	ug/L	3.6	448	ug/L	3.6	0.81%
Tl 190.801†	649.6	427	ug/L	6.2	427	ug/L	6.2	1.45%
V 292.402†	12490.7	472	ug/L	5.0	472	ug/L	5.0	1.06%
Zn 206.200†	6452.1	420	ug/L	4.7	420	ug/L	4.7	1.12%

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Sequence No.: 112
Sample ID: 250695503
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 93
Date Collected: 6/14/2007 6:53:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250695503

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1418416.3	90.4	%	0.71				0.79%
Sc Radial	187854.4	95.4	%	0.27				0.29%
Ag 328.068†	22672.5	211	ug/L	3.4	211	ug/L	3.4	1.61%
Al 308.215†	139965.8	52300	ug/L	135.5	52300	ug/L	135.5	0.26%
As 188.979†	685.4	499	ug/L	4.5	499	ug/L	4.5	0.90%
Ba 233.527†	174482.0	1510	ug/L	22.5	1510	ug/L	22.5	1.49%
Be 234.861†	99371.6	548	ug/L	9.7	548	ug/L	9.7	1.78%
Ca 315.887†	2449723.2	237000	ug/L	1031.9	237000	ug/L	1031.9	0.43%
Cd 226.502†	4389.8	467	ug/L	4.3	467	ug/L	4.3	0.93%
Co 228.616†	11258.5	481	ug/L	2.4	481	ug/L	2.4	0.51%
Cr 267.716†	14460.2	494	ug/L	2.8	494	ug/L	2.8	0.58%
Cu 324.752†	156710.9	550	ug/L	7.5	550	ug/L	7.5	1.37%
Fe 259.939†	667836.1	50900	ug/L	60.9	50900	ug/L	60.9	0.12%
K 766.490†	393577.7	92800	ug/L	20.9	92800	ug/L	20.9	0.02%
Li 460.286†	77250.3	5240	ug/L	61.0	5240	ug/L	61.0	1.16%
Mg 279.077†	1114854.1	112000	ug/L	648.3	112000	ug/L	648.3	0.58%
Mn 257.610†	266339.2	506	ug/L	7.6	506	ug/L	7.6	1.50%
Mo 202.031†	1790.9	489	ug/L	3.9	489	ug/L	3.9	0.79%
Na 589.592†	7496711.7	660000	ug/L	3896.7	660000	ug/L	3896.7	0.59%
Ni 231.604†	4791.8	489	ug/L	2.5	489	ug/L	2.5	0.52%
Pb 220.353†	744.0	523	ug/L	5.3	523	ug/L	5.3	1.01%
Sb 206.836†	1106.6	517	ug/L	4.9	517	ug/L	4.9	0.95%
Se 196.026†	538.2	552	ug/L	11.8	552	ug/L	11.8	2.13%
Sn 189.927†	792.2	496	ug/L	2.6	496	ug/L	2.6	0.53%
Sr 421.552†	3193173.2	4290	ug/L	16.7	4290	ug/L	16.7	0.39%
Ti 334.940†	236562.0	514	ug/L	9.1	514	ug/L	9.1	1.77%
Tl 190.801†	722.4	475	ug/L	5.3	475	ug/L	5.3	1.12%
V 292.402†	14224.8	537	ug/L	2.9	537	ug/L	2.9	0.55%
Zn 206.200†	7389.5	480	ug/L	3.2	480	ug/L	3.2	0.66%

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Sequence No.: 113
Sample ID: 250695501A
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 94
Date Collected: 6/14/2007 6:57:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250695501A

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1475478.0	94.0	%	0.31				0.33%
Sc Radial	191852.1	97.4	%	0.56				0.57%
Ag 328.068†	5733.7	57.1	ug/L	0.65	57.1	ug/L	0.65	1.14%
Al 308.215†	130480.4	48700	ug/L	92.3	48700	ug/L	92.3	0.19%
As 188.979†	613.2	446	ug/L	3.4	446	ug/L	3.4	0.76%
Ba 233.527†	165395.1	1430	ug/L	2.6	1430	ug/L	2.6	0.18%
Be 234.861†	94026.7	519	ug/L	4.4	519	ug/L	4.4	0.84%
Ca 315.887†	2334151.5	226000	ug/L	1484.5	226000	ug/L	1484.5	0.66%
Cd 226.502†	4157.4	442	ug/L	2.2	442	ug/L	2.2	0.49%
Co 228.616†	10663.3	456	ug/L	2.4	456	ug/L	2.4	0.53%
Cr 267.716†	13651.2	466	ug/L	1.1	466	ug/L	1.1	0.23%
Cu 324.752†	147965.0	519	ug/L	0.4	519	ug/L	0.4	0.08%
Fe 259.939†	627452.1	47800	ug/L	162.7	47800	ug/L	162.7	0.34%
K 766.490†	368697.2	86900	ug/L	75.7	86900	ug/L	75.7	0.09%
Li 460.286†	72857.6	4940	ug/L	2.2	4940	ug/L	2.2	0.04%
Mg 279.077†	1048331.4	105000	ug/L	576.1	105000	ug/L	576.1	0.55%
Mn 257.610†	252960.2	481	ug/L	1.2	481	ug/L	1.2	0.24%
Mo 202.031†	1675.8	458	ug/L	4.5	458	ug/L	4.5	0.99%
Na 589.592†	7092726.3	625000	ug/L	2873.8	625000	ug/L	2873.8	0.46%
Ni 231.604†	4553.6	464	ug/L	2.0	464	ug/L	2.0	0.43%
Pb 220.353†	698.4	491	ug/L	1.2	491	ug/L	1.2	0.25%
Sb 206.836†	1006.8	469	ug/L	2.3	469	ug/L	2.3	0.49%
Se 196.026†	519.1	532	ug/L	15.2	532	ug/L	15.2	2.85%
Sn 189.927†	749.4	470	ug/L	3.6	470	ug/L	3.6	0.76%
Sr 421.552†	3044949.5	4090	ug/L	28.4	4090	ug/L	28.4	0.69%
Ti 334.940†	223635.2	486	ug/L	0.8	486	ug/L	0.8	0.17%
Tl 190.801†	682.1	448	ug/L	9.4	448	ug/L	9.4	2.09%
V 292.402†	13451.2	508	ug/L	5.6	508	ug/L	5.6	1.10%
Zn 206.200†	7006.6	456	ug/L	1.8	456	ug/L	1.8	0.39%

Sequence No.: 114
Sample ID: 250695504
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 95
Date Collected: 6/14/2007 7:02:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250695504

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1589940.0	101	%	0.3				0.33%
Sc Radial	203130.7	103	%	0.3				0.26%
Ag 328.068†	-273.4	-1.05	ug/L	0.231	-1.05	ug/L	0.231	21.97%
Al 308.215†	8.2	2.08	ug/L	3.790	2.08	ug/L	3.790	182.13%
As 188.979†	-0.8	-1.10	ug/L	1.815	-1.10	ug/L	1.815	164.81%
Ba 233.527†	-3.0	0.136	ug/L	0.0400	0.136	ug/L	0.0400	29.29%
Be 234.861†	-13.0	0.071	ug/L	0.0124	0.071	ug/L	0.0124	17.38%
Ca 315.887†	328.4	28.6	ug/L	0.87	28.6	ug/L	0.87	3.05%
Cd 226.502†	-4.9	-0.138	ug/L	0.1274	-0.138	ug/L	0.1274	92.45%
Co 228.616†	0.4	-0.022	ug/L	0.1433	-0.022	ug/L	0.1433	663.19%
Cr 267.716†	5.9	-0.339	ug/L	0.2413	-0.339	ug/L	0.2413	71.14%
Cu 324.752†	975.5	3.20	ug/L	0.056	3.20	ug/L	0.056	1.74%
Fe 259.939†	508.3	39.7	ug/L	0.45	39.7	ug/L	0.45	1.14%
K 766.490†	218.4	72.5	ug/L	5.66	72.5	ug/L	5.66	7.80%
Li 460.286†	-23.0	-0.073	ug/L	2.4595	-0.073	ug/L	2.4595	>999.9%
Mg 279.077†	41.7	4.78	ug/L	1.057	4.78	ug/L	1.057	22.13%
Mn 257.610†	69.1	-0.319	ug/L	0.0194	-0.319	ug/L	0.0194	6.06%
Mo 202.031†	-1.8	-0.009	ug/L	1.2509	-0.009	ug/L	1.2509	>999.9%
Na 589.592†	2185.7	188	ug/L	5.2	188	ug/L	5.2	2.78%
Ni 231.604†	5.5	0.654	ug/L	0.7521	0.654	ug/L	0.7521	115.01%
Pb 220.353†	-5.5	-2.89	ug/L	0.256	-2.89	ug/L	0.256	8.88%
Sb 206.836†	8.2	-1.45	ug/L	1.449	-1.45	ug/L	1.449	100.11%
Se 196.026†	-2.3	-4.48	ug/L	0.792	-4.48	ug/L	0.792	17.69%
Sn 189.927†	0.4	2.05	ug/L	0.473	2.05	ug/L	0.473	23.06%
Sr 421.552†	43.7	0.028	ug/L	0.0230	0.028	ug/L	0.0230	83.35%
Ti 334.940†	128.0	0.260	ug/L	0.0972	0.260	ug/L	0.0972	37.43%
Tl 190.801†	3.4	2.23	ug/L	1.910	2.23	ug/L	1.910	85.80%
V 292.402†	2.9	-0.107	ug/L	0.2370	-0.107	ug/L	0.2370	221.02%
Zn 206.200†	794.4	51.0	ug/L	0.76	51.0	ug/L	0.76	1.48%

Sequence No.: 115
Sample ID: 250695506
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 96
Date Collected: 6/14/2007 7:06:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250695506

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1481565.2	94.4	%	0.31				0.33%
Sc Radial	194282.7	98.7	%	0.42				0.43%
Ag 328.068†	-312.8	-0.699	ug/L	0.2484	-0.699	ug/L	0.2484	35.55%
Al 308.215†	235.4	86.9	ug/L	5.57	86.9	ug/L	5.57	6.41%
As 188.979†	-12.5	-16.3	ug/L	2.14	-16.3	ug/L	2.14	13.09%
Ba 233.527†	935.2	7.73	ug/L	0.088	7.73	ug/L	0.088	1.14%
Be 234.861†	-26.9	-0.005	ug/L	0.0165	-0.005	ug/L	0.0165	327.69%
Ca 315.887†	1823593.8	177000	ug/L	894.6	177000	ug/L	894.6	0.51%
Cd 226.502†	90.1	-19.1	ug/L	0.35	-19.1	ug/L	0.35	1.83%
Co 228.616†	2.0	0.057	ug/L	0.0825	0.057	ug/L	0.0825	143.90%
Cr 267.716†	-39.3	-1.47	ug/L	0.812	-1.47	ug/L	0.812	55.10%
Cu 324.752†	714.7	4.72	ug/L	0.072	4.72	ug/L	0.072	1.53%
Fe 259.939†	253.3	20.3	ug/L	0.35	20.3	ug/L	0.35	1.75%
K 766.490†	149318.4	35200	ug/L	191.5	35200	ug/L	191.5	0.54%
Li 460.286†	356.0	16.6	ug/L	1.72	16.6	ug/L	1.72	10.35%
Mg 279.077†	571641.0	57200	ug/L	504.1	57200	ug/L	504.1	0.88%
Mn 257.610†	3783.2	4.87	ug/L	0.091	4.87	ug/L	0.091	1.87%
Mo 202.031†	9.9	3.16	ug/L	0.400	3.16	ug/L	0.400	12.65%
Na 589.592†	6425775.9	566000	ug/L	3868.4	566000	ug/L	3868.4	0.68%
Ni 231.604†	-1.0	-0.007	ug/L	0.6812	-0.007	ug/L	0.6812	>999.9%
Pb 220.353†	-3.0	19.0	ug/L	2.99	19.0	ug/L	2.99	15.69%
Sb 206.836†	32.9	3.99	ug/L	1.792	3.99	ug/L	1.792	44.91%
Se 196.026†	-13.2	-15.1	ug/L	0.95	-15.1	ug/L	0.95	6.29%
Sn 189.927†	-11.9	-1.40	ug/L	1.912	-1.40	ug/L	1.912	136.76%
Sr 421.552†	2613832.6	3510	ug/L	25.2	3510	ug/L	25.2	0.72%
Ti 334.940†	383.7	0.816	ug/L	0.0289	0.816	ug/L	0.0289	3.54%
Tl 190.801†	-2.2	-1.69	ug/L	2.910	-1.69	ug/L	2.910	172.40%
V 292.402†	322.9	11.8	ug/L	0.35	11.8	ug/L	0.35	2.93%
Zn 206.200†	671.5	45.7	ug/L	0.47	45.7	ug/L	0.47	1.04%

Sequence No.: 116 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 6/14/2007 7:11:42 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1512915.7	96.4	%	0.19				0.20%
Sc Radial	194877.1	99.0	%	0.41				0.41%
Ag 328.068†	54869.5	501	ug/L	3.2	501	ug/L	3.2	0.64%
QC value within limits for Ag 328.068 Recovery = 100.24%								
Al 308.215†	66374.2	24800	ug/L	52.2	24800	ug/L	52.2	0.21%
QC value within limits for Al 308.215 Recovery = 99.12%								
As 188.979†	652.2	482	ug/L	2.9	482	ug/L	2.9	0.60%
QC value within limits for As 188.979 Recovery = 96.44%								
Ba 233.527†	57608.7	499	ug/L	2.9	499	ug/L	2.9	0.58%
QC value within limits for Ba 233.527 Recovery = 99.84%								
Be 234.861†	91463.6	505	ug/L	2.6	505	ug/L	2.6	0.51%
QC value within limits for Be 234.861 Recovery = 100.97%								
Ca 315.887†	254507.4	24700	ug/L	35.6	24700	ug/L	35.6	0.14%
QC value within limits for Ca 315.887 Recovery = 98.62%								
Cd 226.502†	4269.8	490	ug/L	0.5	490	ug/L	0.5	0.10%
QC value within limits for Cd 226.502 Recovery = 98.04%								
Co 228.616†	11674.1	498	ug/L	3.8	498	ug/L	3.8	0.77%
QC value within limits for Co 228.616 Recovery = 99.70%								
Cr 267.716†	14835.1	506	ug/L	3.9	506	ug/L	3.9	0.76%
QC value within limits for Cr 267.716 Recovery = 101.25%								
Cu 324.752†	140134.7	489	ug/L	3.7	489	ug/L	3.7	0.75%
QC value within limits for Cu 324.752 Recovery = 97.74%								
Fe 259.939†	525108.3	40000	ug/L	136.8	40000	ug/L	136.8	0.34%
QC value within limits for Fe 259.939 Recovery = 100.01%								
K 766.490†	107050.9	25300	ug/L	22.2	25300	ug/L	22.2	0.09%
QC value within limits for K 766.490 Recovery = 101.01%								
Li 460.286†	71945.5	4930	ug/L	7.8	4930	ug/L	7.8	0.16%
Mg 279.077†	250292.6	25100	ug/L	113.4	25100	ug/L	113.4	0.45%
QC value within limits for Mg 279.077 Recovery = 100.32%								
Mn 257.610†	265227.1	507	ug/L	0.4	507	ug/L	0.4	0.08%
QC value within limits for Mn 257.610 Recovery = 101.46%								
Mo 202.031†	1739.5	475	ug/L	2.2	475	ug/L	2.2	0.46%
QC value within limits for Mo 202.031 Recovery = 94.92%								
Na 589.592†	275961.1	24300	ug/L	16.3	24300	ug/L	16.3	0.07%
QC value within limits for Na 589.592 Recovery = 97.20%								
Ni 231.604†	4878.2	498	ug/L	0.3	498	ug/L	0.3	0.07%
QC value within limits for Ni 231.604 Recovery = 99.52%								
Pb 220.353†	732.3	491	ug/L	1.3	491	ug/L	1.3	0.26%
QC value within limits for Pb 220.353 Recovery = 98.28%								
Sb 206.836†	998.3	472	ug/L	3.4	472	ug/L	3.4	0.72%
QC value within limits for Sb 206.836 Recovery = 94.37%								
Se 196.026†	485.2	494	ug/L	6.3	494	ug/L	6.3	1.27%
QC value within limits for Se 196.026 Recovery = 98.84%								
Sn 189.927†	611.1	380	ug/L	1.0	380	ug/L	1.0	0.27%
QC value within limits for Sn 189.927 Recovery = 94.88%								
Sr 421.552†	299974.2	403	ug/L	0.4	403	ug/L	0.4	0.09%
QC value within limits for Sr 421.552 Recovery = 100.79%								
Ti 334.940†	184467.4	401	ug/L	0.4	401	ug/L	0.4	0.11%
QC value within limits for Ti 334.940 Recovery = 100.28%								
Tl 190.801†	714.0	470	ug/L	1.6	470	ug/L	1.6	0.34%
QC value within limits for Tl 190.801 Recovery = 93.92%								
V 292.402†	13611.9	513	ug/L	5.1	513	ug/L	5.1	1.00%
QC value within limits for V 292.402 Recovery = 102.64%								
Zn 206.200†	7351.9	476	ug/L	0.6	476	ug/L	0.6	0.12%
QC value within limits for Zn 206.200 Recovery = 95.14%								

All analyte(s) passed QC.

Sequence No.: 117 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 6/14/2007 7:15:42 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1553642.7	99.0	%	0.39				0.39%
Sc Radial	195745.2	99.4	%	0.20				0.20%
Ag 328.068†	-274.0	-1.06	ug/L	0.358	-1.06	ug/L	0.358	33.81%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	1.1	-0.585	ug/L	1.1053	-0.585	ug/L	1.1053	188.94%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-0.6	-0.994	ug/L	1.1484	-0.994	ug/L	1.1484	115.50%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-3.0	0.137	ug/L	0.0369	0.137	ug/L	0.0369	27.05%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-25.2	0.005	ug/L	0.0324	0.005	ug/L	0.0324	624.75%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	174.0	13.7	ug/L	1.59	13.7	ug/L	1.59	11.65%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	-0.1	0.425	ug/L	0.5297	0.425	ug/L	0.5297	124.63%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-6.5	-0.313	ug/L	0.3979	-0.313	ug/L	0.3979	127.00%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	8.4	-0.256	ug/L	0.0393	-0.256	ug/L	0.0393	15.32%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	9.5	-0.165	ug/L	0.1774	-0.165	ug/L	0.1774	107.34%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	59.8	5.56	ug/L	0.719	5.56	ug/L	0.719	12.91%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	230.7	75.4	ug/L	11.01	75.4	ug/L	11.01	14.60%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	29.2	3.81	ug/L	2.552	3.81	ug/L	2.552	66.89%
Mg 279.077†	28.7	3.45	ug/L	1.046	3.45	ug/L	1.046	30.31%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	155.1	-0.155	ug/L	0.0077	-0.155	ug/L	0.0077	4.95%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	1.0	0.746	ug/L	0.6058	0.746	ug/L	0.6058	81.17%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	1337.3	114	ug/L	2.3	114	ug/L	2.3	2.01%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	1.1	0.206	ug/L	0.5471	0.206	ug/L	0.5471	265.03%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-0.8	0.251	ug/L	3.9683	0.251	ug/L	3.9683	>999.9%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	12.4	0.572	ug/L	2.4969	0.572	ug/L	2.4969	436.83%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	2.0	-0.277	ug/L	0.4609	-0.277	ug/L	0.4609	166.61%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-2.9	-0.043	ug/L	2.0931	-0.043	ug/L	2.0931	>999.9%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	88.9	0.089	ug/L	0.0538	0.089	ug/L	0.0538	60.67%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	46.7	0.083	ug/L	0.0316	0.083	ug/L	0.0316	38.16%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-1.0	-0.816	ug/L	1.6266	-0.816	ug/L	1.6266	199.45%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-2.6	-0.308	ug/L	0.3115	-0.308	ug/L	0.3115	101.01%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	46.8	2.72	ug/L	0.217	2.72	ug/L	0.217	7.97%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
17375	ICP_ICSA			6/29/2007	1000 ML	3/5/2007	llgates

225000 UG/L: Iron
250000 UG/L: Aluminum, Calcium, Magnesium

COMPOSED OF:

16329: 12.5 ML 17374: 50 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
17742	ICP_MAJ_SPK	CPI	06L180	3/28/2008	1000 ML	12/28/2006	llgates

2500000 UG/L: Aluminum, Calcium, Iron, Magnesium, Potassium, Sodium

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18305	ICP_ICSAB			6/29/2007	1000 ML	5/1/2007	llgates

100 UG/L: Arsenic, Thallium
1000 UG/L: Cadmium, Lithium, Nickel, Zinc
200 UG/L: Silver
225000 UG/L: Iron
250000 UG/L: Aluminum, Calcium, Magnesium
50 UG/L: Lead, Selenium
500 UG/L: Barium, Beryllium, Chromium, Cobalt, Copper, Manganese, Molybdenum, Strontium, Tin, Titanium, Vanadium
600 UG/L: Antimony

COMPOSED OF:

15521: 0.5 ML 15524: 0.5 ML 15667: 10 ML 16329: 12.5 ML 17374: 50 ML 17378: 0.5 ML 17380: 0.5 ML 18306: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18567	ICP_ICV			2/12/2008	500 ML	5/14/2007	llgates

1200 UG/L: Barium
160 UG/L: Silver
400 UG/L: Antimony, Arsenic, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc
4000 UG/L: Lithium
40000 UG/L: Aluminum, Calcium, Iron, Magnesium, Potassium, Sodium

STANDARDS LOG

COMPOSED OF:

16988: 8 ML 17742: 8 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18965	ICP_MIN_SPK	CPI	06L181	6/4/2008	1000 ML	4/9/2007	llgates

10000 UG/L: Silver
25000 UG/L: Antimony, Arsenic, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc
250000 UG/L: Lithium
75000 UG/L: Barium

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18966	ICP_CAL5			6/29/2007	250 ML	6/4/2007	llgates

250000 UG/L: Aluminum, Calcium, Magnesium, Potassium, Sodium
4000 UG/L: Strontium, Tin, Titanium
400000 UG/L: Iron
5000 UG/L: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
50000 UG/L: Lithium

COMPOSED OF:

15788: 50 ML 16424: 12.5 ML 17374: 12.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18967	ICP_CAL4/CCV			6/29/2007	500 ML	6/4/2007	llgates

25000 UG/L: Aluminum, Calcium, Magnesium, Potassium, Sodium
400 UG/L: Strontium, Tin, Titanium
40000 UG/L: Iron
500 UG/L: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
5000 UG/L: Lithium

COMPOSED OF:

18966: 50 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18968	ICP_CAL3			6/29/2007	250 ML	6/4/2007	llgates

2500 UG/L: Aluminum, Calcium, Magnesium, Potassium, Sodium
40 UG/L: Strontium, Tin, Titanium
4000 UG/L: Iron
50 UG/L: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
500 UG/L: Lithium

COMPOSED OF:

18966: 2.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18969	ICP_CAL2			6/29/2007	250 ML	6/4/2007	llgates

250 UG/L: Aluminum, Calcium, Magnesium, Potassium, Sodium
4 UG/L: Strontium, Tin, Titanium
400 UG/L: Iron
5 UG/L: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
50 UG/L: Lithium

COMPOSED OF:

18966: 0.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18970	ICP_CAL1			6/29/2007	250 ML	6/4/2007	llgates

0.4 UG/L: Strontium, Tin, Titanium
0.5 UG/L: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
25 UG/L: Aluminum, Calcium, Magnesium, Potassium, Sodium
40 UG/L: Iron
5 UG/L: Lithium

COMPOSED OF:

18966: 0.025 ML

Raw Data Inorganics/Wet Chemistry

TDS

Analyst Chemist **Units** mg/L **QCStandard:** 18607 **QC TV:** 441

APGL 1 **temp** 104 **LCSStandard:** 18614 **LCS TV:** 258

BATCH_NUMBER 14502 **Method** 160.1W

POS	HSN	SAMPLE ID	SAMPLE TYPE	Initial Weight	Final Weight	Total Weight	Filt Res	RPD	Perc Rec	Crucible No	Vol	Dil F	Final Wt Ver	Final Wt Diff
1	243618	QC for HBN 416551	QC	111.129	111.1679	0.0389	389		88.2	92	100	1	111.168	0.00010
2	243619	MB for HBN 416551	MB	113.919	113.9189	0	0			330	100	1	113.9187	0.0002
3	243620	G14502LCS	BS	108.718	108.7419	0.02400	240.0		93.0	73	100	1	108.741	0.00090
4	243621	LCSD for HBN 416551	LCSD	96.4777	96.5022	0.02450	245.0	2.06	95	1	100	1	96.50209	0.00011
5	250694101	TO05MW43ABL	N	115.215	115.2237	0.0089	89			207	100	1	115.2237	0
6	243622	TO05MW43ABL(250694101SAMD	D	99.9736	99.9833	0.0097	97	8.60		76	100	1	99.9831	0.00020
7	250694102	TO05MW43BBL	N	98.3912	98.3992	0.008	80			42	100	1	98.3997	0.00050
8	250695901	DISCHARGE	N	95.4041	95.4359	0.03180	318.0			176	100	1	95.4357	0.00020
9	250696401	TO05MW40ABL	N	112.834	112.8426	0.00880	88.00			4	100	1	112.8423	0.00030
10	250696404	TO05MW40BBL	N	99.6954	99.7028	0.0074	74			97	100	1	99.7025	0.0003
11	250696405	TO05FD02BL	N	97.9215	97.93	0.00850	85.00			134	100	1	97.9297	0.00030
12	243623	MB for HBN 416551	MB	96.9445	96.9446	1E-04	1			37	100	1	96.9445	1E-04

Alkalinity
Method 310.1

Instrument ID Orion M1

Analyst:	EJB
Date:	6/14/07
Time:	12:55:00

Sequence #	ALK061407
Batch #	14541

Reagents:

Sulfuric Acid (0.02N)		Buffer pH 4		Buffer pH 7	
IS#	12858	IS#	16908	IS#	16907
Lot#	1604536	Lot#	A7016	Lot#	A7023
Exp. Date	4/30/08	Exp. Date	1/31/09	Exp. Date	1/31/11

Standards

QC (50 ppm) (2 mL into 100 mL of DI)		**LCS** (50 ppm) (2 mL into 100 mL of DI)		**MS** (50 ppm) (2 mL into 100 mL)	
IS#	16186	IS#	16185	IS#	16185
Lot#	6058	Lot#	6058	Lot#	6058
Exp. Date	8/31/07	Exp. Date	8/31/07	Exp. Date	8/31/07

Sample ID	Container #	Position #	Vol. (mL)	Dilution	Notes			
Corr. Blk	X	1	100	X				
Blk	X	2	100	X				
LCS	X	3	100	X	Acceptance Criteria 80-120			
LCSD	X	4	100	X	Acceptance Criteria 80-120			
QC	X	5	100	X	Acceptance Criteria 80-120			
250692503	7	6	50	2	Color/Odor			
250692505	3	7	50	2	Color/Odor			
250692506	8	8	50	2	Color/Odor			
250694101	8	9	100	X				
250694102	8	10	100	X				
Blk	X	11	100	X				
250694103	2	12	100	X				
250694104	2	13	100	X				
250694105	2	14	100	X				
250695601	1	15	100	X				
250695602	1	16	100	X				
250695603	1	17	100	X				
250695604	1	18	50	2	Color			
250695605	1	19	100	X				
695605ms	1	20	100	X	Acceptance Criteria 75-125			
695606sd	1	21	100	X	Acceptance Criteria 75-125			
Blk	X	22	100	X				

ORION M1

BeakerNbr
1

BeakerNbr
2

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	3	6/14/2007	15:22	1:pH	1	5.43	3		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	15:25	1:pH	2	3		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
4.155	0.416	130.1	4.5	0.1

Cont. Blk

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	4	6/14/2007	15:27	1:pH	1	4.63	4		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	15:30	1:pH	2	4		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
0.6066	0.061	130.1	4.5	0.455

Blk

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	5	6/14/2007	15:32	1:pH	1	9.7	5		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	15:33	1:pH	2	5		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
54.78	5.478	130.1	4.5	0.196

LCS

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	6	6/14/2007	15:37	1:pH	1	9.69	6		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test

2506941

_____	6/14/2007	15:38	1:pH	2	6	_____	8	_____

Endpoints 1

Result	Vol	mV	pH	Excess Titre
52.45	5.245	130.1	4.5	0.429

LCS

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
_____	7	6/14/2007	15:42	1:pH	1	9.69	7	_____	5	_____

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
_____	6/14/2007	15:43	1:pH	2	7	_____	8	_____

Endpoints 1

Result	Vol	mV	pH	Excess Titre
52.13	5.213	130.1	4.5	0.462

GC

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
_____	8	6/14/2007	15:47	1:pH	1	7.02	692503	_____	5	_____

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
_____	6/14/2007	15:50	1:pH	2	692503	_____	8	_____

Endpoints 1

Result	Vol	mV	pH	Excess Titre
182.7	18.271	130.1	4.5	0.299

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
_____	9	6/14/2007	16:00	1:pH	1	6.95	692505	_____	5	_____

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
_____	6/14/2007	16:03	1:pH	2	692505	_____	8	_____

Endpoints 1

Result	Vol	mV	pH	Excess Titre
98.06	9.806	130.1	4.5	0.511

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
_____	10	6/14/2007	16:09	1:pH	1	6.99	692506	_____	5	_____

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
_____	6/14/2007	16:11	1:pH	2	692506	_____	8	_____

Endpoints 1

Result	Vol	mV	pH	Excess Titre
303.6	30.356	130.1	4.5	0.078

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	11	6/14/2007	16:27	1:pH	1	5.63	694101		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	16:28	1:pH	2	694101		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
12.19	1.219	130.1	4.5	0.328

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	12	6/14/2007	16:30	1:pH	1	5.46	694102		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	16:31	1:pH	2	694102		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
18.14	1.814	130.1	4.5	0.25

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	13	6/14/2007	16:34	1:pH	1	5.13	13		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	16:36	1:pH	2	13		8	

Endpoints 1

Blk

Result	Vol	mV	pH	Excess Titre
3.208	0.321	130.1	4.5	0.195

BeakerNbr
1

BeakerNbr
2

2506941

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	3	6/14/2007	17:00	1:pH	1	5.66	694103		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	17:03	1:pH	2	694103		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
46.51	4.651	130.2	4.5	0.508

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	4	6/14/2007	17:06	1:pH	1	5.63	694104		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	17:08	1:pH	2	694104		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
42.15	4.215	130.2	4.5	0.428

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	5	6/14/2007	17:11	1:pH	1	5.5	694105		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	17:13	1:pH	2	694105		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
18.49	1.849	130.2	4.5	0.214

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	6	6/14/2007	17:15	1:pH	1	5.4	695601		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	17:17	1:pH	2	695601		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
13.79	1.379	130.2	4.5	0.169

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test

	7	6/14/2007	17:19	1:pH	1	5.67	695602		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	17:20	1:pH	2	695602		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
47.26	4.726	130.2	4.5	0.432

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	8	6/14/2007	17:24	1:pH	1	5.63	695603		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	17:26	1:pH	2	695603		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
57.76	5.776	130.2	4.5	0.414

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	9	6/14/2007	17:30	1:pH	1	5.54	695604		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	17:31	1:pH	2	695604		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
13.48	1.348	130.2	4.5	0.2

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	10	6/14/2007	17:33	1:pH	1	5.48	695605		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	17:35	1:pH	2	695605		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
22.71	2.271	130.2	4.5	0.308

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	11	6/14/2007	17:38	1:pH	1	6.02	695605		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
_____	6/14/2007	17:39	1:pH	2	695605	_____	8	_____

Endpoints 1

Result	Vol	mV	pH	Excess Titre
68.8	6.88	130.2	4.5	0.341

YS

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
_____	12	6/14/2007	17:43	1:pH	1	6.04	695605	_____	5	_____

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
_____	6/14/2007	17:45	1:pH	2	695605	_____	8	_____

Endpoints 1

Result	Vol	mV	pH	Excess Titre
68.91	6.891	130.2	4.5	0.331

SD

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
_____	13	6/14/2007	17:49	1:pH	1	5.03	13	_____	5	_____

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
_____	6/14/2007	17:51	1:pH	2	13	_____	8	_____

Endpoints 1

Result	Vol	mV	pH	Excess Titre
2.905	0.29	130.2	4.5	0.225

Blk.

2506941

Schedule File: C:\PeakNet\Schedule\a062107.sch

Line	Sample	Sample Type	Level	Method	Data File	Volume	Dilution	Weight	Int. Std.	Comment
1	Blk	Sample		300.met	d:\peaknetdata\a062107\1_001.dxd	1	1	1	1	
2	Blk	Sample		300.met	d:\peaknetdata\a062107\2_002.dxd	1	1	1	1	
3	ICV	Sample		300.met	d:\peaknetdata\a062107\3_003.dxd	1	1	1	1	
4	ICB	Sample		300.met	d:\peaknetdata\a062107\4_004.dxd	1	1	1	1	
5	MB	Sample		300.met	d:\peaknetdata\a062107\5_005.dxd	1	1	1	1	
6	LCS	Sample		300.met	d:\peaknetdata\a062107\6_006.dxd	1	1	1	1	
7	LCSD	Sample		300.met	d:\peaknetdata\a062107\7_007.dxd	1	1	1	1	
8	250692503	Sample		300.met	d:\peaknetdata\a062107\8_008.dxd	1	10	1	1	Reanalysis - SO4
9	250692505	Sample		300.met	d:\peaknetdata\a062107\9_009.dxd	1	10	1	1	Reanalysis - SO4
10	250692506	Sample		300.met	d:\peaknetdata\a062107\10_010.dxd	1	10	1	1	Reanalysis - SO4
11	250694101	Sample		300.met	d:\peaknetdata\a062107\11_011.dxd	1	1	1	1	Br Only
12	250694102	Sample		300.met	d:\peaknetdata\a062107\12_012.dxd	1	1	1	1	Br Only
13	250694103	Sample		300.met	d:\peaknetdata\a062107\13_013.dxd	1	1	1	1	Br Only
14	250694104	Sample		300.met	d:\peaknetdata\a062107\14_014.dxd	1	1	1	1	Br Only
15	CCV	Sample		300.met	d:\peaknetdata\a062107\15_015.dxd	1	1	1	1	
16	CCB	Sample		300.met	d:\peaknetdata\a062107\16_016.dxd	1	1	1	1	
17	250694105	Sample		300.met	d:\peaknetdata\a062107\17_017.dxd	1	1	1	1	Br Only
18	250696401	Sample		300.met	d:\peaknetdata\a062107\18_018.dxd	1	1	1	1	Br Only
19	250696402	Sample		300.met	d:\peaknetdata\a062107\19_019.dxd	1	1	1	1	696401 - MS
20	250696403	Sample		300.met	d:\peaknetdata\a062107\20_020.dxd	1	1	1	1	696401 - MSD
21	250696404	Sample		300.met	d:\peaknetdata\a062107\21_021.dxd	1	1	1	1	Br Only
22	250696405	Sample		300.met	d:\peaknetdata\a062107\22_022.dxd	1	1	1	1	Br Only
23	250696407	Sample		300.met	d:\peaknetdata\a062107\23_023.dxd	1	1	1	1	Br Only
24	250696408	Sample		300.met	d:\peaknetdata\a062107\24_024.dxd	1	1	1	1	Br Only
25	CCV	Sample		300.met	d:\peaknetdata\a062107\25_025.dxd	1	1	1	1	
26	CCB	Sample		300.met	d:\peaknetdata\a062107\26_026.dxd	1	1	1	1	
27	SHUT	Sample		shut.met	27	1	1	1	1	

Default Method Path: C:\PEAKNET\METHOD
Default Data Path: D:\PEAKNETDATA\A032707
Comment:

250601

Sample Analysis Report

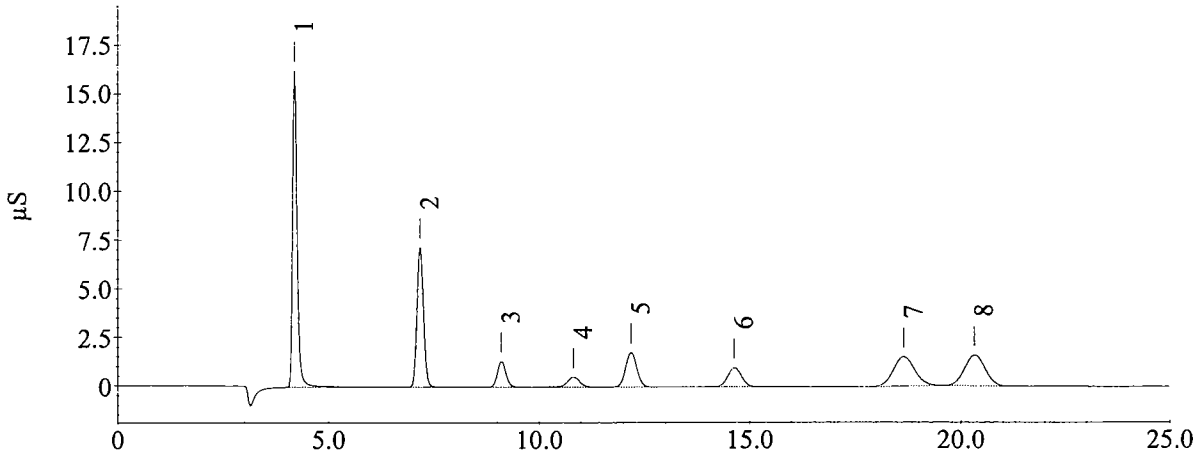
Sample Name : ICV
Data File Name : D:\PEAKNETDATA\A062107\3_003.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/21/07 5:56:44 PM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.20	8.04	1212108	162049	0.92
2	Chloride	7.17	7.62	760668	71505	0.98
3	Nitrite as N	9.10	0.91	192220	13358	0.98
4	DCA	10.82	5.17	107168	5185	0.97
5	Bromide	12.18	7.95	323278	17637	1.01
6	Nitrate as N	14.63	0.91	220742	9773	1.02
7	Phosphate as P	18.65	5.26	525782	15067	0.98
8	Sulfate	20.32	7.05	533553	15717	1.01

ICV



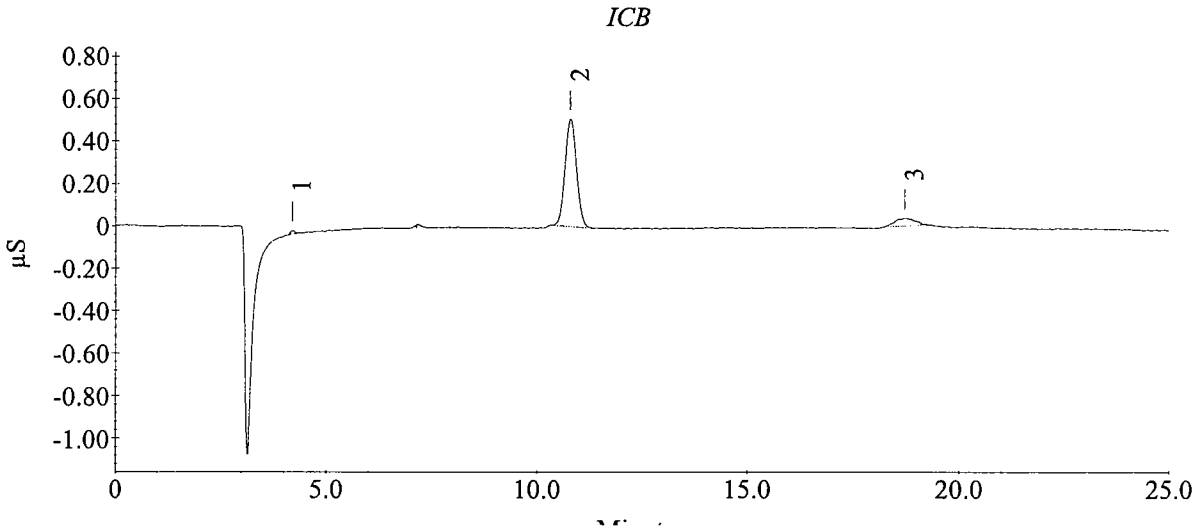
Sample Analysis Report

Sample Name : ICB
Data File Name : D:\PEAKNETDATA\A062107\4_004.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/21/07 6:24:03 PM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.20	0.01	1207	178	0.00
2	DCA	10.80	4.60	95285	5042	1.01
3	Phosphate as P	18.72	0.12	11638	349	0.00



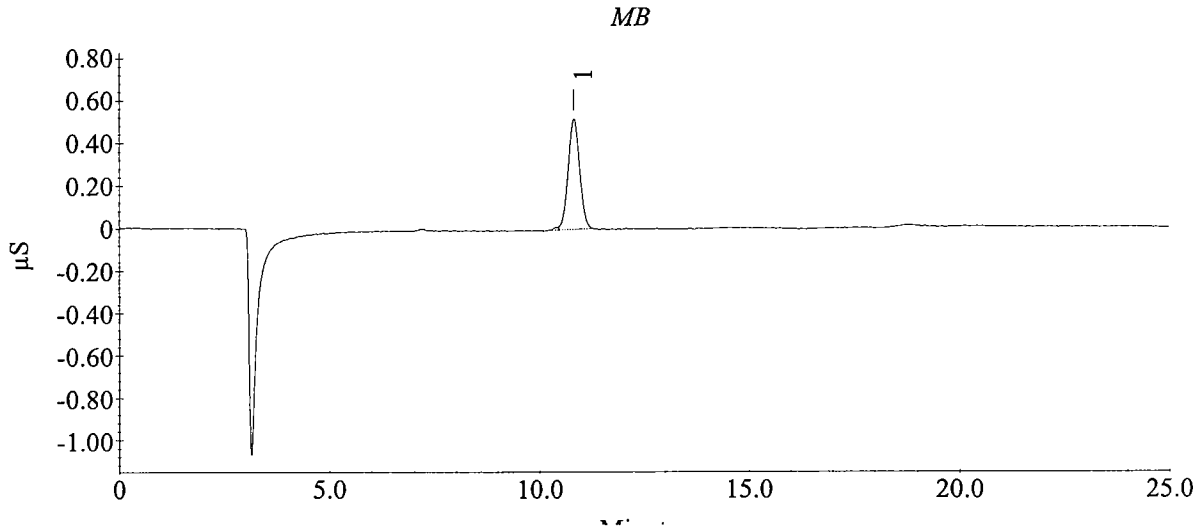
Sample Analysis Report

Sample Name : MB
Data File Name : D:\PEAKNETDATA\A062107\5_005.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/21/07 6:51:20 PM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	DCA	10.82	4.79	99214	5139	0.99



Sample Analysis Report

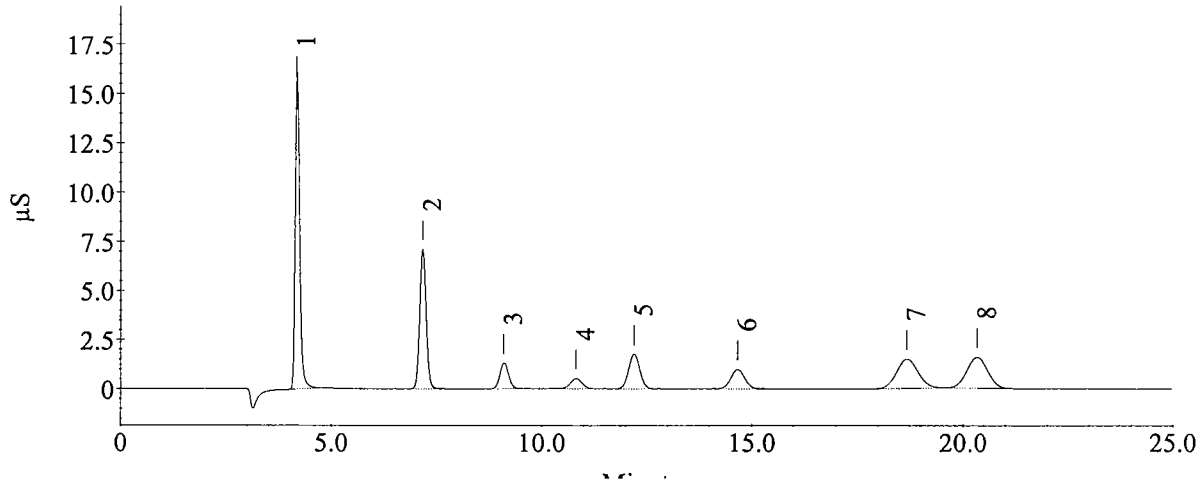
Sample Name : LCS
Data File Name : D:\PEAKNETDATA\A062107\6_006.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/21/07 7:18:40 PM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	7.83	1181684	153930	0.93
2	Chloride	7.17	7.61	760248	70944	0.97
3	Nitrite as N	9.10	0.89	188020	13144	0.98
4	DCA	10.82	5.06	104812	5148	0.96
5	Bromide	12.20	7.94	322703	17453	1.01
6	Nitrate as N	14.67	0.92	222750	9738	1.01
7	Phosphate as P	18.67	5.20	519521	14816	0.98
8	Sulfate	20.33	7.05	533564	15642	1.01

LCS



Sample Analysis Report

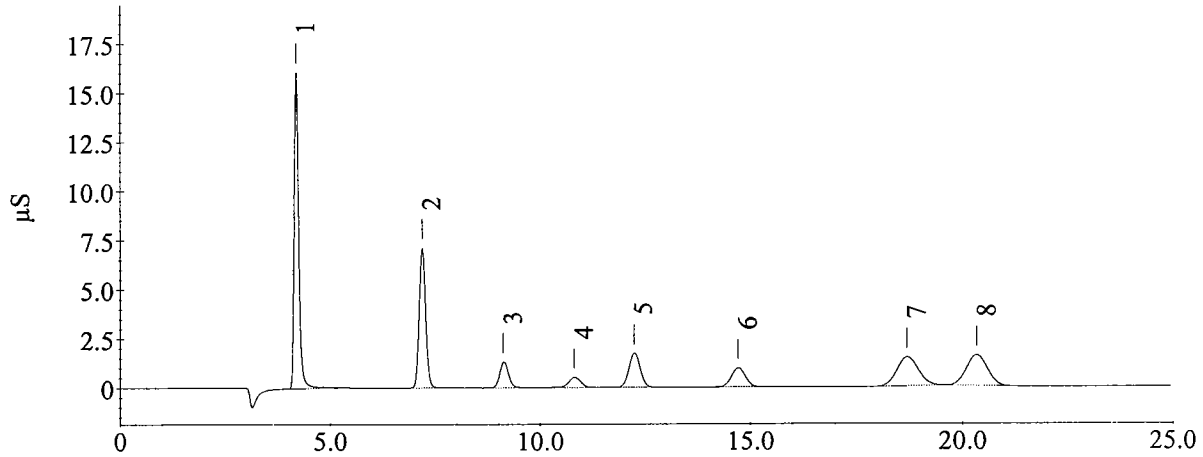
Sample Name : LCSD
Data File Name : D:\PEAKNETDATA\A062107\7_007.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/21/07 7:45:58 PM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.20	8.00	1206876	160793	0.92
2	Chloride	7.18	7.62	761076	70900	0.97
3	Nitrite as N	9.12	0.90	190976	13073	1.00
4	DCA	10.82	5.04	104444	5158	0.96
5	Bromide	12.23	7.96	323620	17347	1.01
6	Nitrate as N	14.72	0.92	222013	9697	1.00
7	Phosphate as P	18.70	5.16	515320	14739	0.98
8	Sulfate	20.33	7.01	530471	15561	1.01

LCSD



Sample Analysis Report

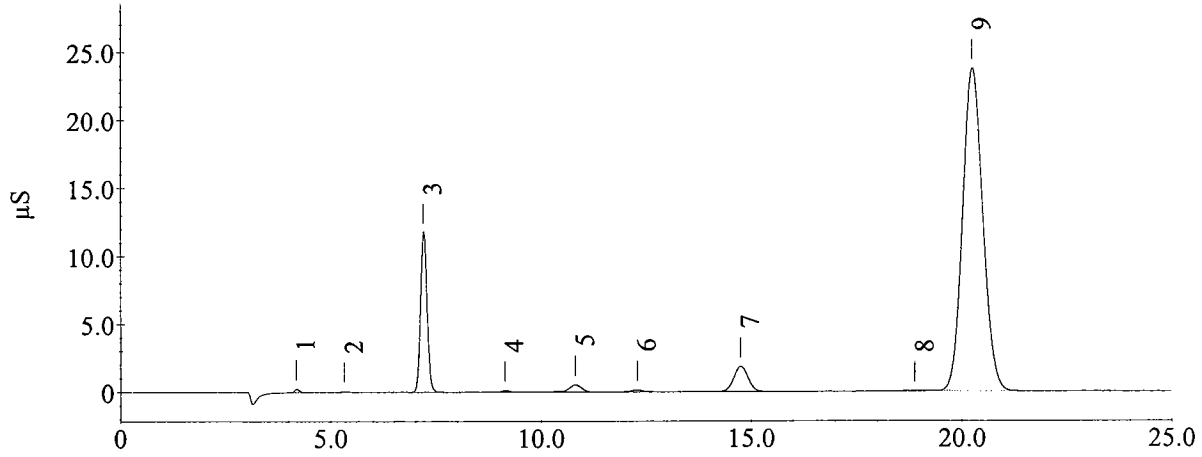
Sample Name : 250692503
Data File Name : D:\PEAKNETDATA\A062107\8_008.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/21/07 8:13:17 PM
System Operator : EJB
Dilution Factor : 10.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	1.25	18805	2419	0.90
2	Unknown 1	5.32	0.00	5478	565	0.99
3	Chloride	7.18	126.47	1262864	117153	1.00
4	Nitrite as N	9.13	0.77	16293	1148	1.03
5	DCA	10.82	52.24	108265	5203	0.93
6	Bromide	12.28	6.32	25681	1386	1.00
7	Nitrate as N	14.75	17.43	421409	18362	1.00
8	Unknown 2	18.88	0.00	8825	276	0.00
9	Sulfate	20.23	1037.21	7849652	236649	0.98

250692503



Sample Analysis Report

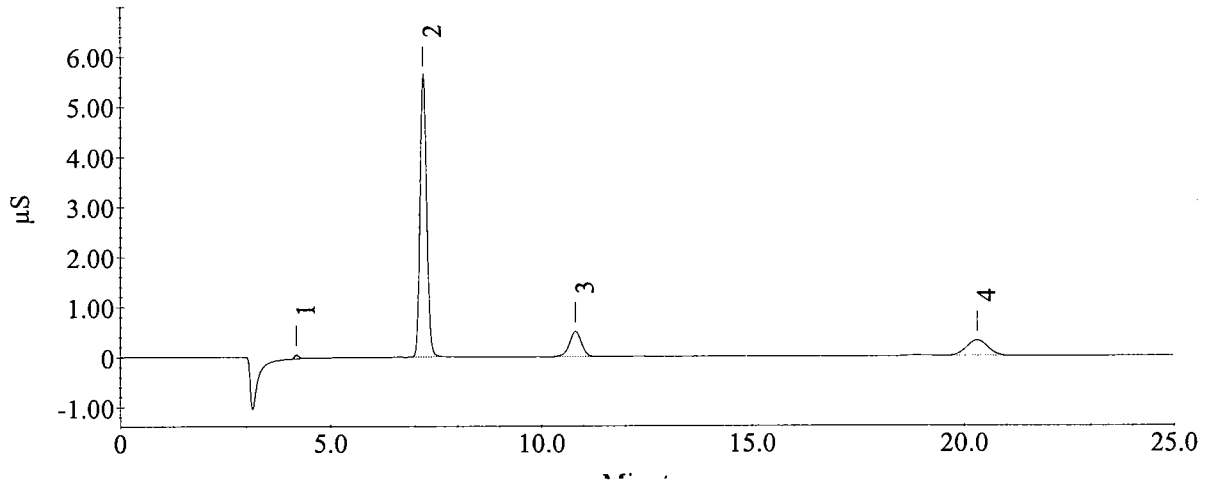
Sample Name : 250692505
Data File Name : D:\PEAKNETDATA\A062107\9_009.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/21/07 8:40:39 PM
System Operator : EJB
Dilution Factor : 10.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	0.38	5721	817	0.00
2	Chloride	7.18	61.37	612829	56055	0.98
3	DCA	10.80	48.43	100379	5006	0.96
4	Sulfate	20.30	13.91	105253	3052	1.01

250692505



Sample Analysis Report

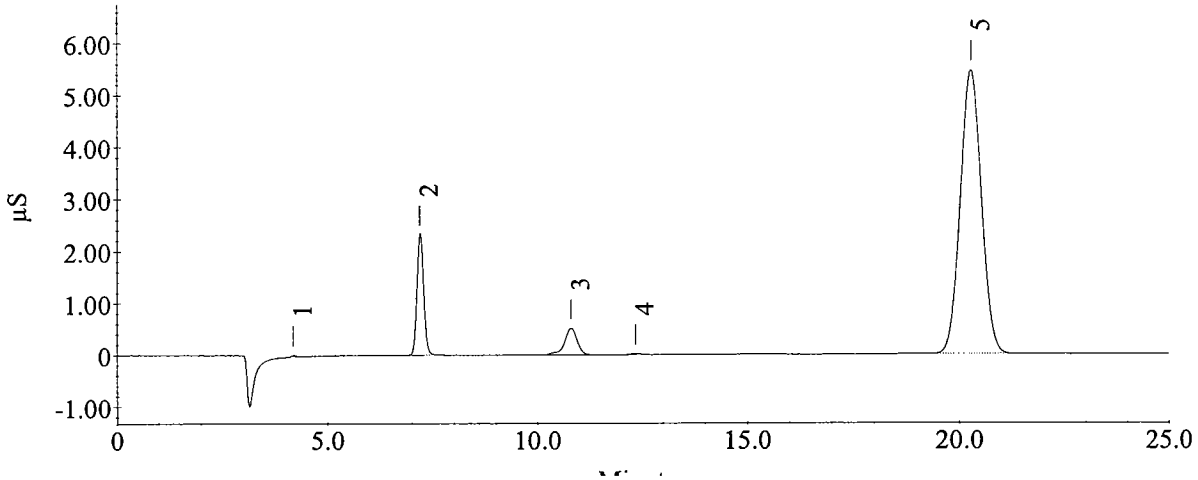
Sample Name : 250692506
Data File Name : D:\PEAKNETDATA\A062107\10_010.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/21/07 9:07:58 PM
System Operator : EJB
Dilution Factor : 10.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	0.18	2663	387	0.00
2	Chloride	7.18	25.89	258495	23123	1.01
3	DCA	10.80	53.07	109993	5158	0.85
4	Bromide	12.33	0.93	3778	217	1.14
5	Sulfate	20.27	245.85	1860619	54514	0.99

250692506



Sample Analysis Report

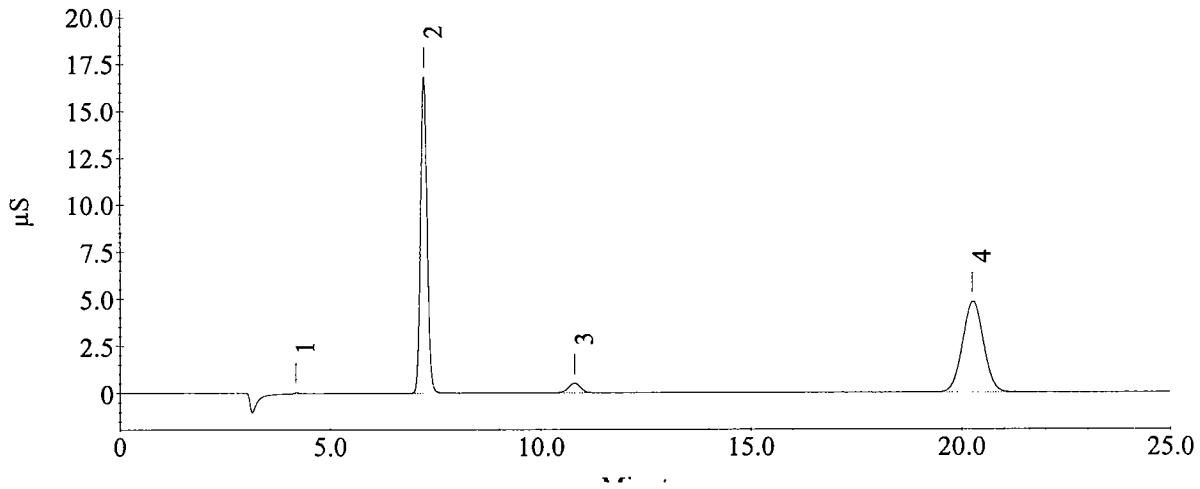
Sample Name : 250694101
Data File Name : D:\PEAKNETDATA\A062107\11_011.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/21/07 9:35:15 PM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	0.04	6171	825	0.00
2	Chloride	7.22	17.84	1781927	167737	0.98
3	DCA	10.80	4.93	102150	5096	0.96
4	Sulfate	20.25	21.77	1647395	47980	1.00

250694101



Sample Analysis Report

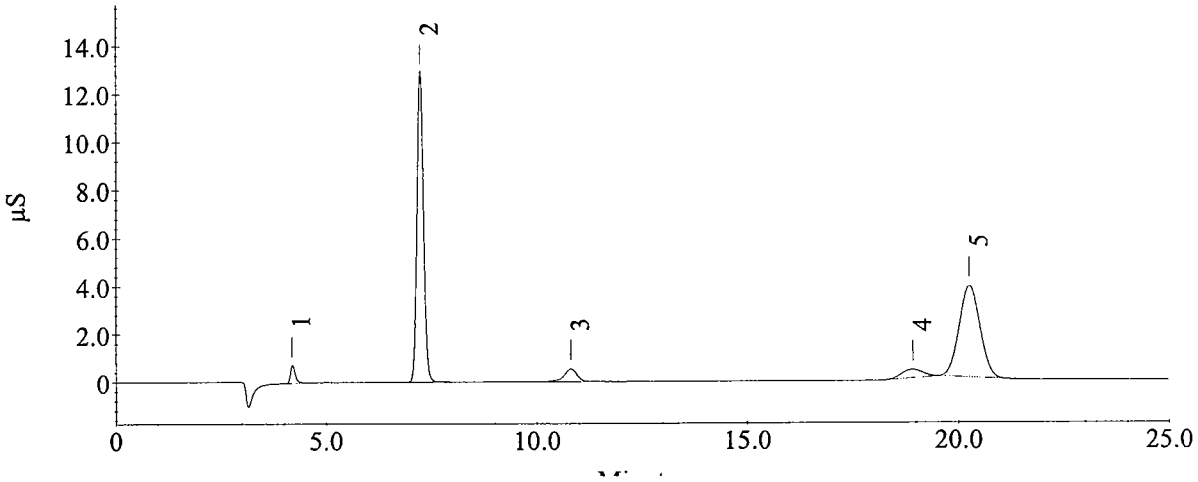
Sample Name : 250694102
Data File Name : D:\PEAKNETDATA\A062107\12_012.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/21/07 10:02:33 PM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	0.39	59416	7215	0.90
2	Chloride	7.22	13.92	1390196	128379	0.97
3	DCA	10.80	5.53	114678	5294	0.80
4	Unknown 1	18.92	0.00	122256	3473	0.00
5	Sulfate	20.25	16.92	1280415	37899	1.01

250694102



Sample Analysis Report

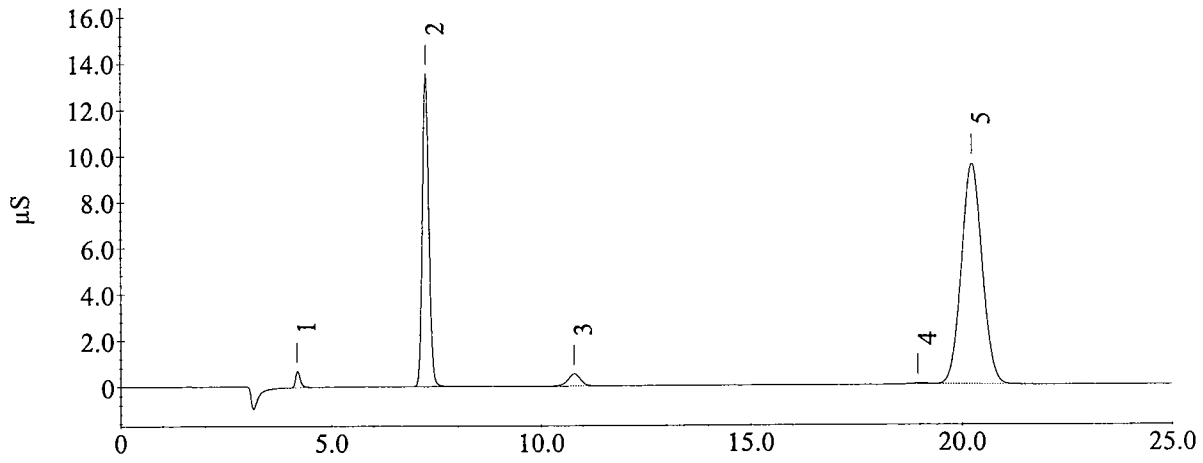
Sample Name : 250694103
Data File Name : D:\PEAKNETDATA\A062107\13_013.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/21/07 10:29:52 PM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	0.36	54740	6869	0.94
2	Chloride	7.23	14.57	1454841	135124	0.99
3	DCA	10.78	5.27	109225	5253	0.92
4	Unknown 1	18.95	0.00	10066	347	0.00
5	Sulfate	20.22	42.67	3228916	95246	0.99

250694103



Sample Analysis Report

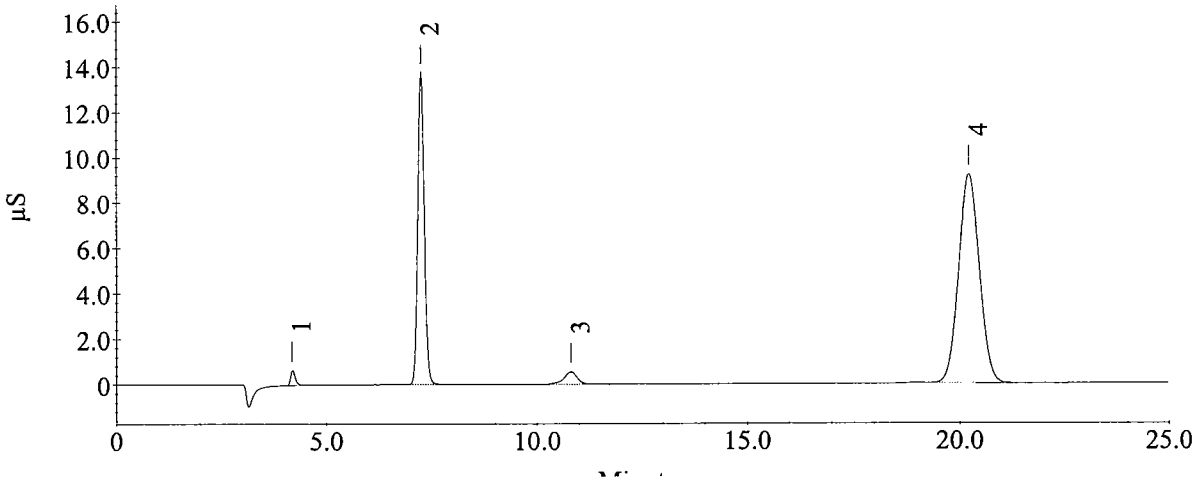
Sample Name : 250694104
Data File Name : D:\PEAKNETDATA\A062107\14_014.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/21/07 10:57:10 PM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	0.34	51358	6372	0.93
2	Chloride	7.23	14.88	1486305	136961	0.98
3	DCA	10.80	5.63	116613	5409	0.83
4	Sulfate	20.22	41.18	3116563	91791	0.99

250694104



Sample Analysis Report

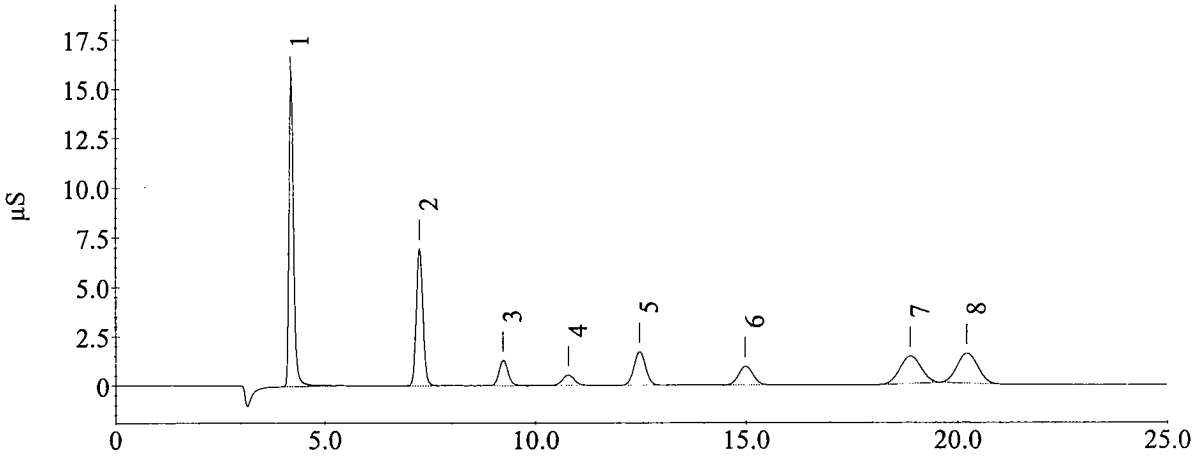
Sample Name : CCV
Data File Name : D:\PEAKNETDATA\A062107\15_015.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/21/07 11:24:28 PM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	8.02	1209744	151905	0.94
2	Chloride	7.23	7.63	761469	69201	0.99
3	Nitrite as N	9.22	0.92	194077	12753	0.99
4	DCA	10.78	5.07	105077	5280	0.99
5	Bromide	12.47	7.98	324319	16908	1.00
6	Nitrate as N	14.98	0.93	224031	9398	1.01
7	Phosphate as P	18.88	4.77	476825	13835	1.01
8	Sulfate	20.22	6.74	509956	15109	1.03

CCV



Sample Analysis Report

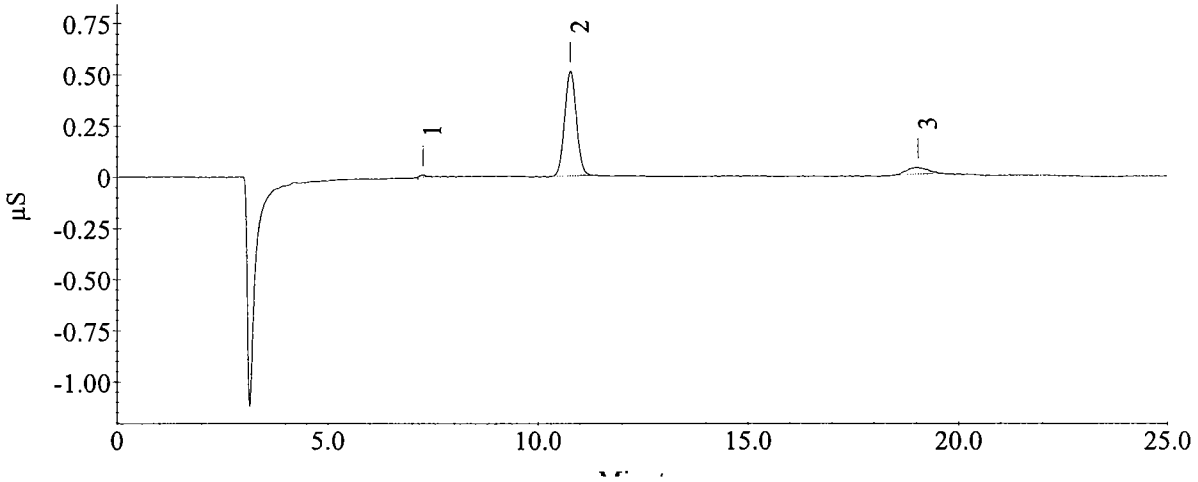
Sample Name : CCB
Data File Name : D:\PEAKNETDATA\A062107\16_016.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/21/07 11:51:48 PM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Chloride	7.25	0.01	1058	106	0.00
2	DCA	10.77	4.78	99019	5101	1.00
3	Unknown 1	19.03	0.00	10379	309	0.00

CCB



Sample Analysis Report

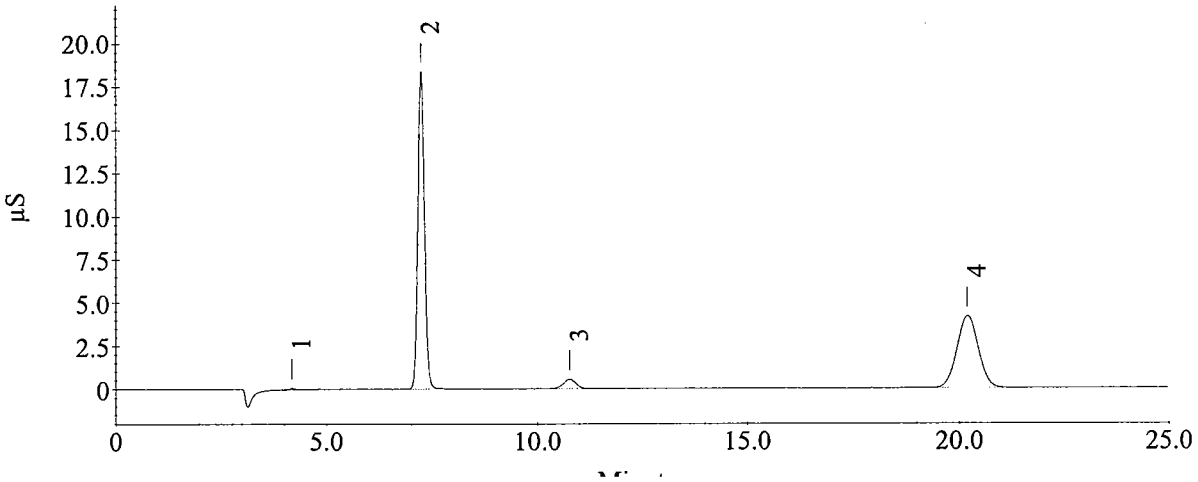
Sample Name : 250694105
Data File Name : D:\PEAKNETDATA\A062107\17_017.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/22/07 12:19:08 AM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	0.04	5918	816	0.00
2	Chloride	7.23	19.66	1962742	182838	0.99
3	DCA	10.77	5.44	112762	5412	0.94
4	Sulfate	20.18	18.88	1428511	41382	1.00

250694105



Sample Analysis Report

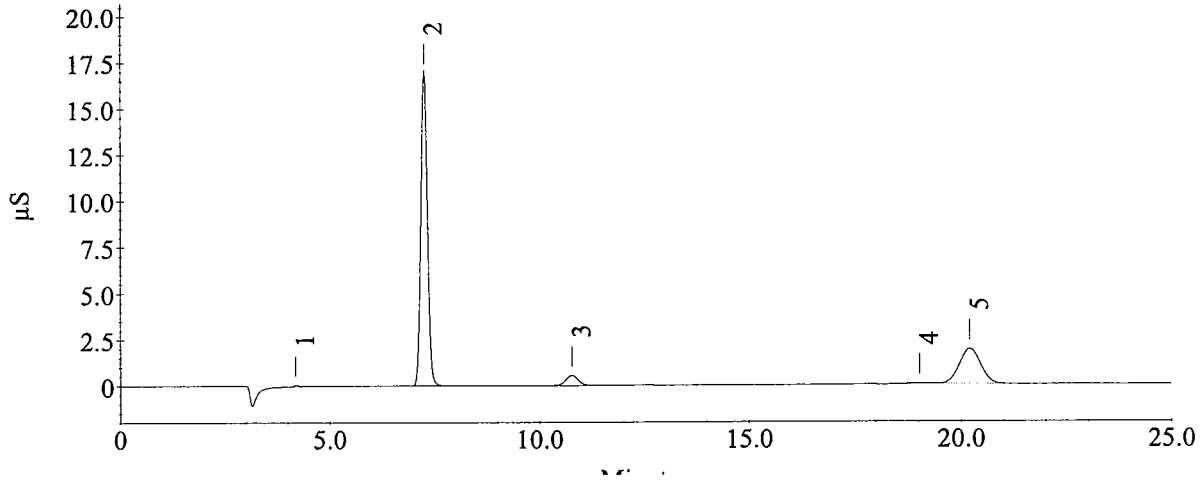
Sample Name : 250696401
Data File Name : D:\PEAKNETDATA\A062107\18_018.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/22/07 12:46:25 AM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	0.05	7129	891	0.00
2	Chloride	7.23	18.35	1832299	169006	0.99
3	DCA	10.77	5.40	111956	5385	0.96
4	Unknown 1	19.02	0.00	13748	436	0.00
5	Sulfate	20.20	8.61	651746	18870	1.01

250696401



Sample Analysis Report

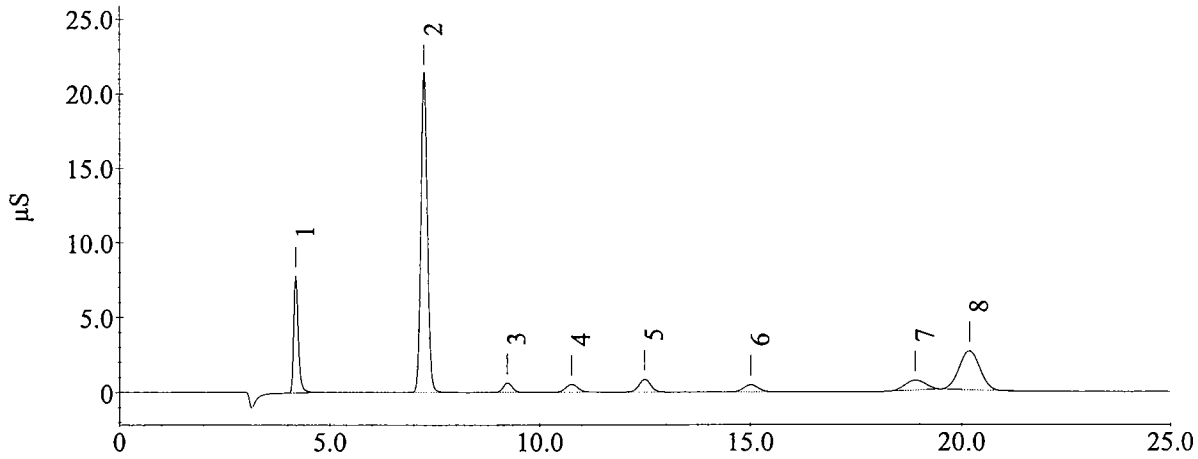
Sample Name : 250696402
Data File Name : D:\PEAKNETDATA\A062107\19_019.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/22/07 1:13:43 AM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	3.94	593590	77721	0.93
2	Chloride	7.23	22.79	2276130	212788	0.98
3	Nitrite as N	9.22	0.44	92932	6230	0.99
4	DCA	10.75	4.99	103386	5204	1.00
5	Bromide	12.48	3.93	159585	8295	1.00
6	Nitrate as N	15.02	0.45	108569	4626	1.01
7	Phosphate as P	18.90	2.20	219518	6508	0.00
8	Sulfate	20.18	11.50	869989	25807	1.02

250696402



Sample Analysis Report

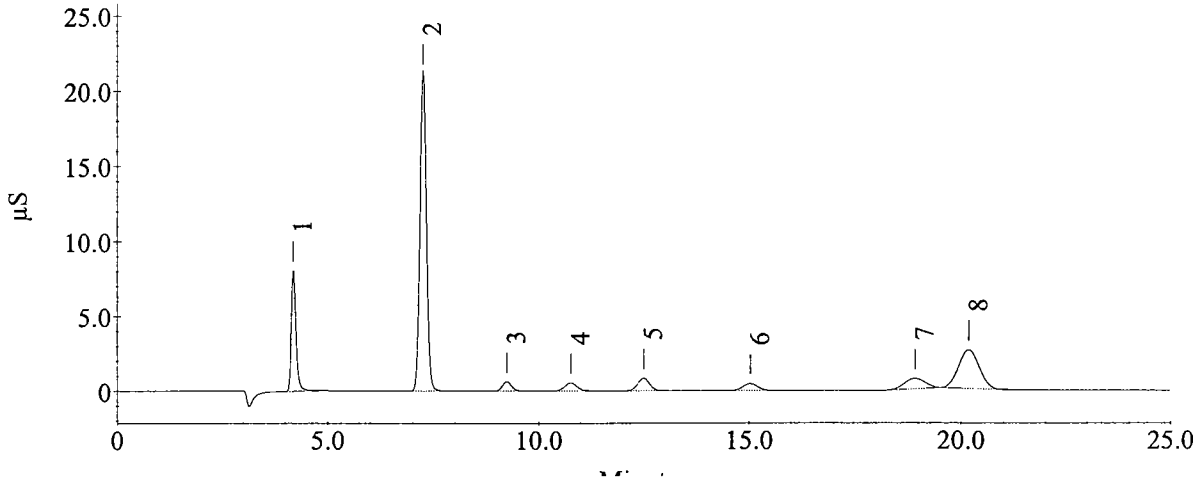
Sample Name : 250696403
Data File Name : D:\PEAKNETDATA\A062107\20_020.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/22/07 1:41:04 AM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	4.10	617874	80527	0.92
2	Chloride	7.23	22.81	2277279	211612	0.97
3	Nitrite as N	9.23	0.44	93001	6295	0.98
4	DCA	10.77	5.29	109621	5356	0.97
5	Bromide	12.50	3.96	160917	8378	1.00
6	Nitrate as N	15.03	0.46	110161	4636	1.02
7	Phosphate as P	18.92	2.33	233147	6932	0.00
8	Sulfate	20.18	11.45	866652	25760	1.02

250696403



Sample Analysis Report

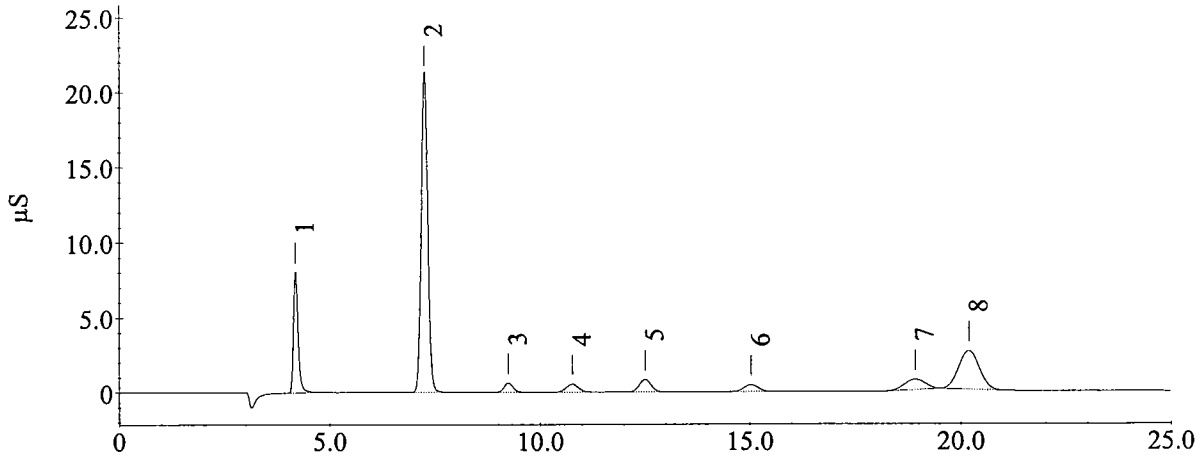
Sample Name : 250696403
Data File Name : D:\PEAKNETDATA\A062107\20_020.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/22/07 1:41:04 AM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	4.10	617874	80527	0.92
2	Chloride	7.23	22.81	2277279	211612	0.97
3	Nitrite as N	9.23	0.44	93001	6295	0.98
4	DCA	10.77	5.29	109621	5356	0.97
5	Unknown 1	12.50	0.00	160917	8378	1.00
6	Unknown 2	15.03	0.00	110161	4636	1.02
7	Unknown 3	18.92	0.00	233147	6932	0.00
8	Sulfate	20.18	11.45	866652	25760	1.02

250696403



Sample Analysis Report

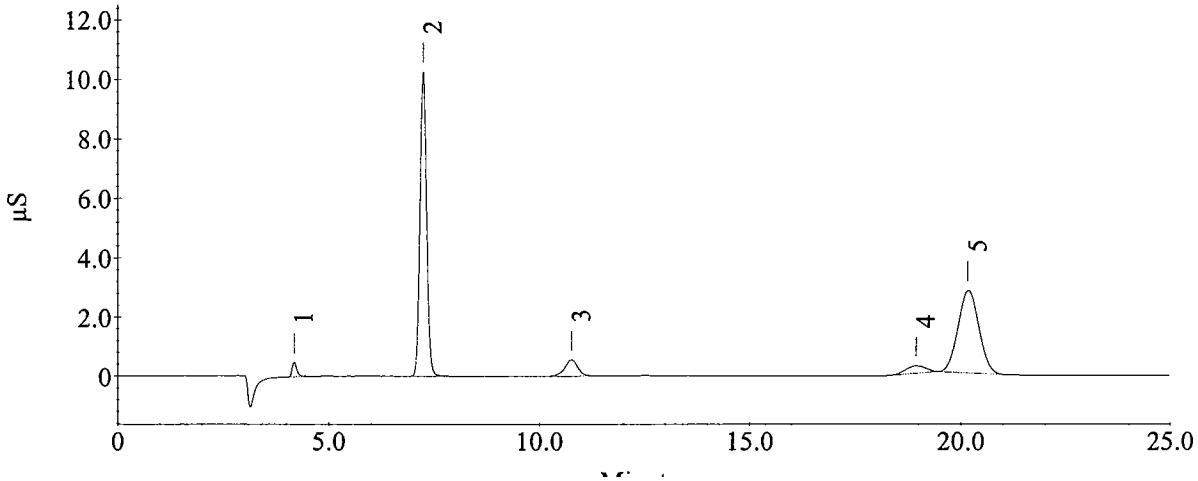
Sample Name : 250696404
Data File Name : D:\PEAKNETDATA\A062107\21_021.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/22/07 2:08:26 AM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	0.26	39580	4986	0.91
2	Chloride	7.23	11.19	1117437	102303	0.99
3	DCA	10.77	5.64	116932	5477	0.90
4	Unknown 1	18.95	0.00	80083	2467	0.00
5	Sulfate	20.17	12.52	947245	27788	1.02

250696404



Sample Analysis Report

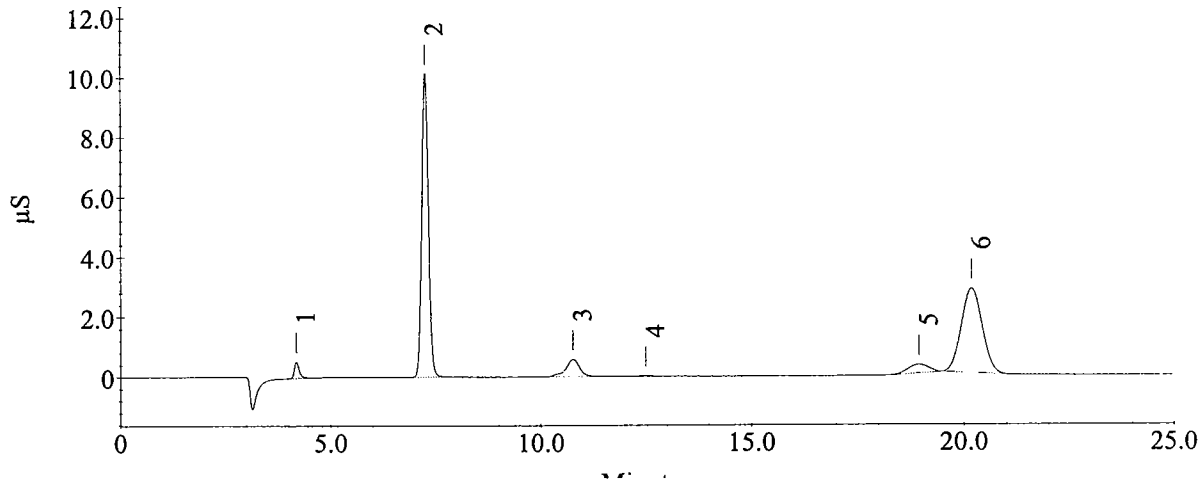
Sample Name : 250696405
Data File Name : D:\PEAKNETDATA\A062107\22_022.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/22/07 2:35:44 AM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	0.29	43346	5454	0.88
2	Chloride	7.23	11.10	1108694	101090	0.99
3	DCA	10.77	6.26	129675	5714	0.76
4	Unknown 1	12.50	0.00	3352	166	1.07
5	Unknown 2	18.95	0.00	96355	2904	0.00
6	Sulfate	20.18	12.60	953201	28058	1.02

250696405



Sample Analysis Report

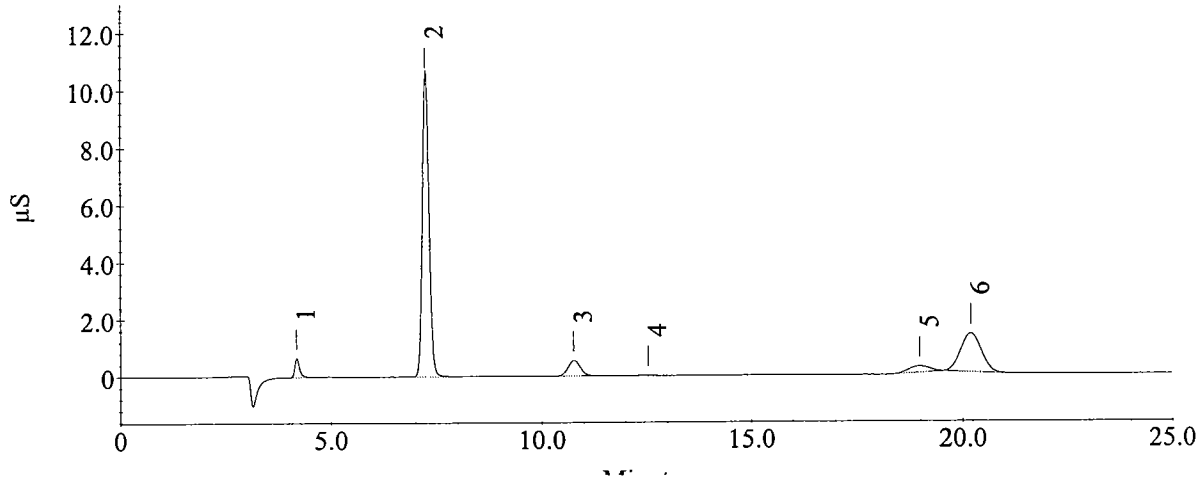
Sample Name : 250696407
Data File Name : D:\PEAKNETDATA\A062107\23_023.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/22/07 3:03:02 AM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	0.34	51910	6547	0.89
2	Chloride	7.23	11.69	1167568	104631	0.99
3	DCA	10.75	5.15	106738	5330	1.00
4	Unknown 1	12.53	0.00	2707	180	0.00
5	Unknown 2	18.98	0.00	75117	2229	0.00
6	Sulfate	20.18	6.04	457059	13456	1.03

250696407



Sample Analysis Report

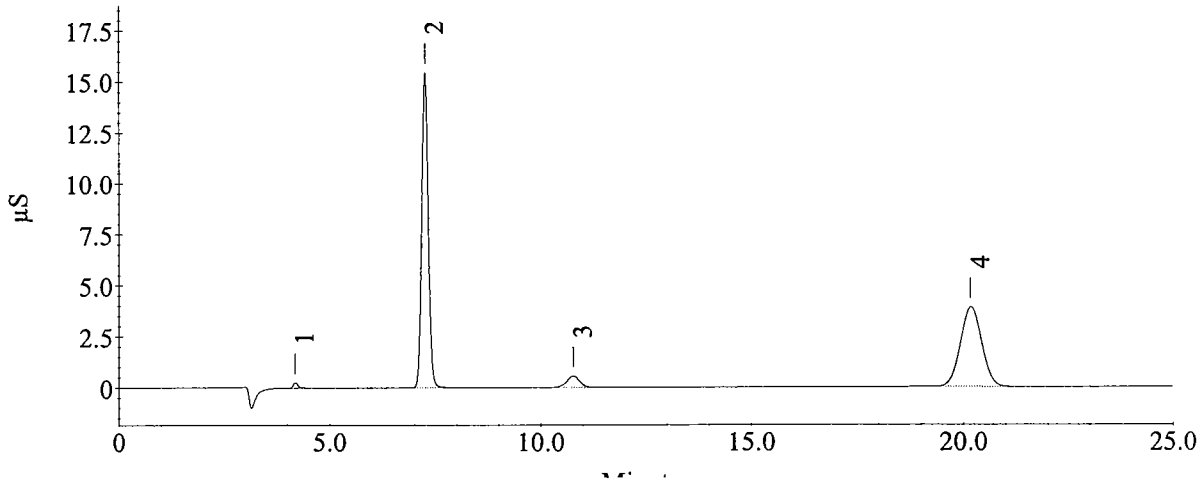
Sample Name : 250696408
Data File Name : D:\PEAKNETDATA\A062107\24_024.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/22/07 3:30:20 AM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	0.14	20694	2591	0.91
2	Chloride	7.25	16.73	1671043	154323	0.98
3	DCA	10.77	5.84	121086	5647	0.91
4	Sulfate	20.17	17.72	1341223	38783	1.00

250696408



Sample Analysis Report

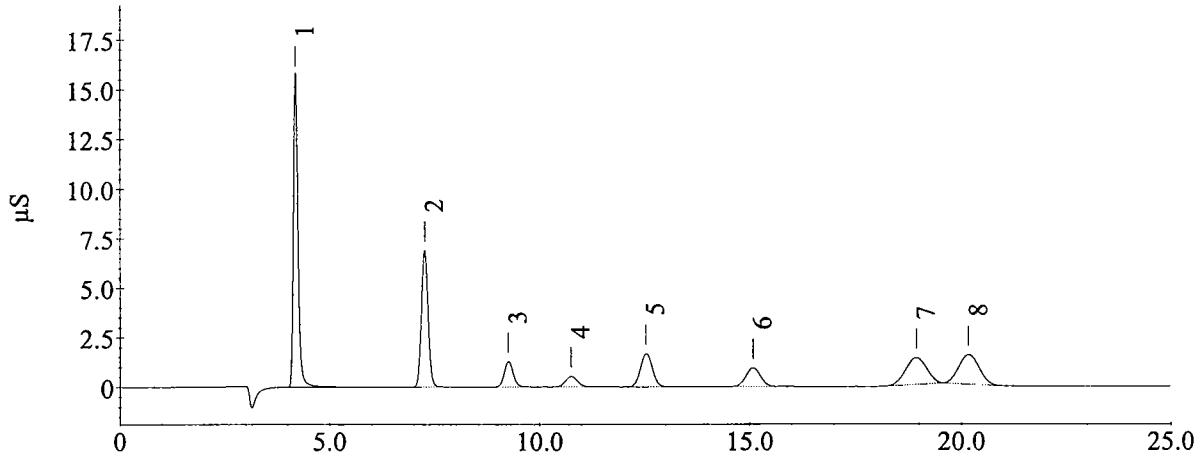
Sample Name : CCV
Data File Name : D:\PEAKNETDATA\A062107\25_025.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/22/07 3:57:37 AM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	8.00	1206126	156808	0.93
2	Chloride	7.25	7.61	759563	68945	0.98
3	Nitrite as N	9.25	0.89	187493	12717	0.97
4	DCA	10.75	5.07	105073	5243	0.98
5	Bromide	12.53	7.98	324293	16680	1.00
6	Nitrate as N	15.08	0.92	223577	9348	1.01
7	Phosphate as P	18.93	4.54	454252	13394	1.03
8	Sulfate	20.17	6.50	492275	14792	1.03

CCV



Sample Analysis Report

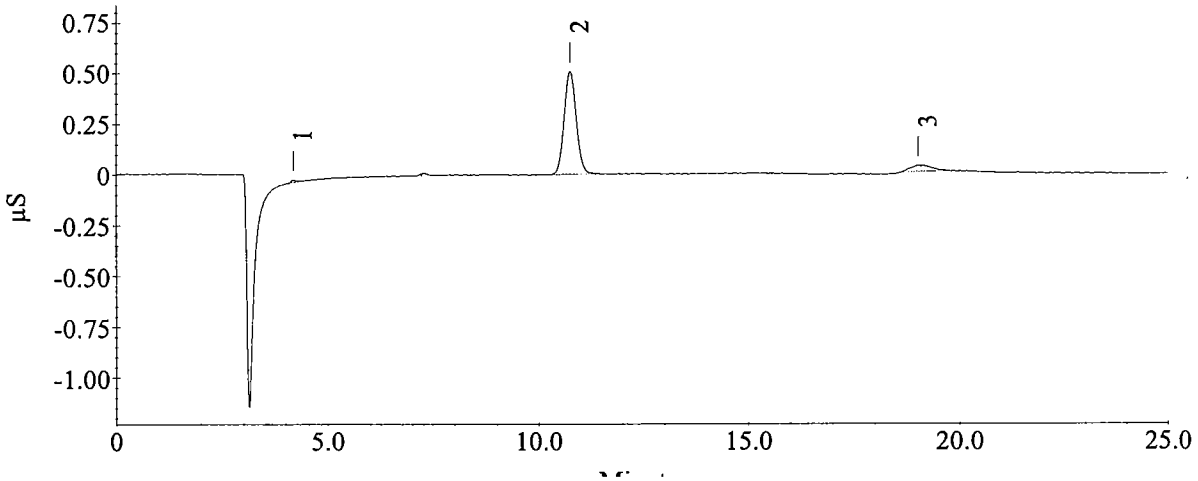
Sample Name : CCB
Data File Name : D:\PEAKNETDATA\A062107\26_026.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/22/07 4:24:58 AM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	0.01	1152	136	0.00
2	DCA	10.75	4.87	100911	5057	0.98
3	Unknown 1	19.02	0.00	9833	289	0.00

CCB



Total Organic Carbon (Aqueous)
Method 415.1/9060

Instrument ID TOC-1 | TOC-2

Analyst:	EJB
Date:	6/21/07
Time:	12:45:00

Sequence #	TOC062107
Batch #	
Curve Date	61107

Reagents:

Phosphoric acid (25%)		Hydrochloric acid (2N)		Sodium Hydroxide	
IS#	12858	IS#	13453	IS#	11916
Lot#	1604536	Lot#	6030	Lot#	45340608
Exp. Date	4/30/08	Exp. Date	7/31/07	Exp. Date	4/13/10

Standards

ICV (10 ppm) (1mL into 100 mL of DI)		**CCV/LCS** (10 ppm) (1mL into 100 mL of DI)		**MS** (5 ppm) (250 uL into 50 mL)	
IS#	18632	IS#	13944	IS#	13944
Lot#	7067	Lot#	6170	Lot#	6170
Exp. Date	4/30/08	Exp. Date	7/31/07	Exp. Date	7/31/07

QC (25 ppm) (2.5mL into 100 mL of DI)		**CRDL** (2 ppm) (0.2mL into 100 mL of DI)	
IS#	18632	IS#	18632
Lot#	7067	Lot#	7067
Exp. Date	4/30/08	Exp. Date	4/30/08

Sample ID	Container #	Position #	Dilution	Notes				
CRDL	X	1	X		Acceptance Criteria 80-120			
QC	X	2	X		Acceptance Criteria 80-120			
ICV	X	3	X		Acceptance Criteria 80-120			
ICB	X	4	X					
MB	X	5	X					
LCS	X	6	X		Acceptance Criteria 75-125			
LCSD	X	7	X		Acceptance Criteria 75-125			
250694101	5	8	X					
250694102	4	9	X					
250694103	1	10	X					
250694104	1	11	X					
250694105	1	12	X					
CCV	X	13	X		Acceptance Criteria 75-125			
CCB	X	14	X					
694105ms	1	15	X		Acceptance Criteria 75-125			
694105sd	1	16	X		Acceptance Criteria 75-125			
CCV	X	17	X		Acceptance Criteria 75-125			
CCB	X	18	X					

Total Organic Carbon (Aqueous)
Method 415.1/9060

Instrument ID TOC-1 | TOC-2

Analyst:	EJB
Date:	6/21/07
Time:	12:45:00

Sequence #	TOC062107
Batch #	
Curve Date	61107

Reagents:

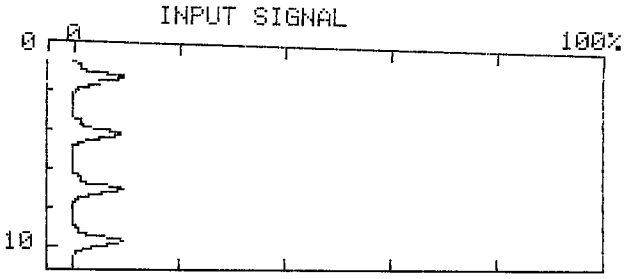
	Phosphoric acid (25%)	Hydrochloric acid (2N)	Sodium Hydroxide
IS#	12858	13453	11916
Lot#	1604536	6030	45340608
Exp. Date	4/30/08	7/31/07	4/13/10

Standards

	ICV (10 ppm) (1mL into 100 mL of DI)	**CCV/LCS** (10 ppm) (1mL into 100 mL of DI)	**MS** (5 ppm) (250 uL into 50 mL)
IS#	18632	13944	13944
Lot#	7067	6170	6170
Exp. Date	4/30/08	7/31/07	7/31/07

	QC (25 ppm) (2.5mL into 100 mL of DI)	**CRDL** (2 ppm) (0.2mL into 100 mL of DI)
IS#	18632	18632
Lot#	7067	7067
Exp. Date	4/30/08	4/30/08

Sample ID	Container #	Position #	Dilution	Notes
CRDL	X	1	X	Acceptance Criteria 80-120
QC	X	2	X	Acceptance Criteria 80-120
ICV	X	3	X	Acceptance Criteria 80-120
ICB	X	4	X	
MB	X	5	X	
LCS	X	6	X	Acceptance Criteria 75-125
LCSD	X	7	X	Acceptance Criteria 75-125
250694101	5	8	X	
250694102	4	9	X	
250694103	1	10	X	
250694104	1	11	X	
250694105	1	12	X	
CCV	X	13	X	Acceptance Criteria 75-125
CCB	X	14	X	
694105ms	1	15	X	Acceptance Criteria 75-125
694105sd	1	16	X	Acceptance Criteria 75-125
CCV	X	17	X	Acceptance Criteria 75-125
CCB	X	18	X	



TIME [min]

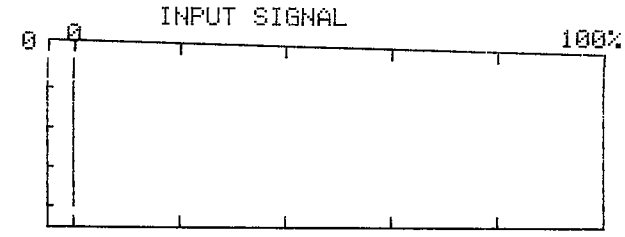
SAMPLE# 2 TC VIAL: 2
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	6045	21.73			
2	6178	22.22			
3	6151	22.12			
4	6212	22.35			
MN	6146	22.11			
SD	72	0.266			

CV 1.17 %
COR CONC DIL 22.11 [x 1.0]
COR CONC INJ 22.11 [x 1.0]

QC

DATE 06(JUN)-21-2007 13:46



TIME [min]

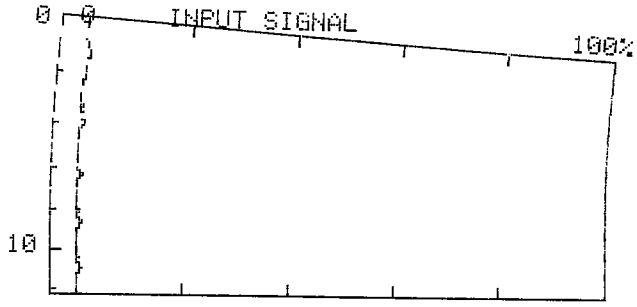
SAMPLE# 2 IC VIAL: 2
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			

CV 0.00 %
COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 2 TOC(TC-IC) 22.71 PPM

DATE 06(JUN)-21-2007 13:55



TIME [min]

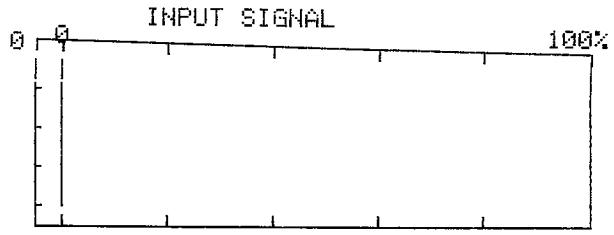
SAMPLE# 1 TC VIAL: 1
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1-	927	2.839			
2	357	0.734			
3	330	0.635			
4	344	0.686			
5	345	0.690			
MN	344	0.686			
SD	11	0.040			

CV 3.21 %
COR CONC DIL 0.686 [x 1.0]
COR CONC INJ 0.686 [x 1.0]

CRDL

DATE 06(JUN)-21-2007 13:22



TIME [min]

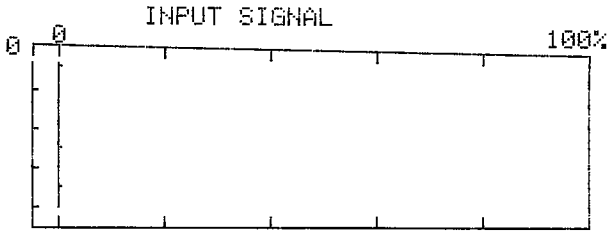
SAMPLE# 1 IC VIAL: 1
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			

CV 0.00 %
COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 1 TOC(TC-IC) 1.286 PPM

DATE 06(JUN)-21-2007 13:32



TIME [min]

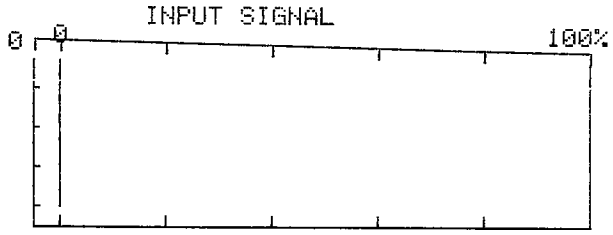
SAMPLE# 4 TC VIAL: 4
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.58			
2	0	-0.58			
3	0	-0.58			
4	235	0.284			
MN	58	-0.36			
SD	117	0.433			
CV	200 %				

COR CONC DIL -0.36 [x 1.0]
COR CONC INJ -0.36 [x 1.0]

MB

DATE 06(JUN)-21-2007 14:30



TIME [min]

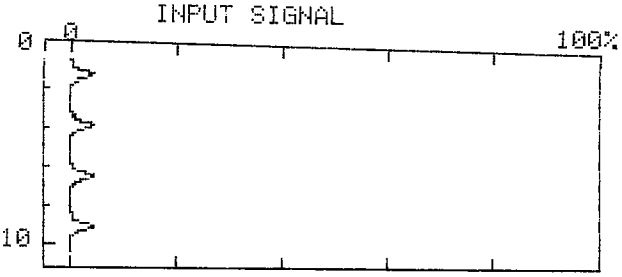
SAMPLE# 4 IC VIAL: 4
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 4 TOC(TC-IC) 0.240 PPM

DATE 06(JUN)-21-2007 14:40



TIME [min]

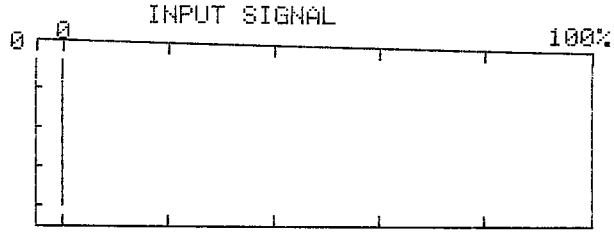
SAMPLE# 3 TC VIAL: 3
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	2596	9.002			
2	2673	9.286			
3	2704	9.401			
4	2731	9.501			
MN	2676	9.298			
SD	58	0.215			
CV	2.18 %				

COR CONC DIL 9.298 [x 1.0]
COR CONC INJ 9.298 [x 1.0]

ICV

DATE 06(JUN)-21-2007 14:09



TIME [min]

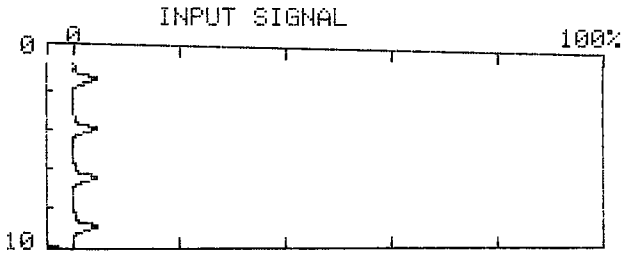
SAMPLE# 3 IC VIAL: 3
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 3 TOC(TC-IC) 9.898 PPM

DATE 06(JUN)-21-2007 14:19



TIME [min]

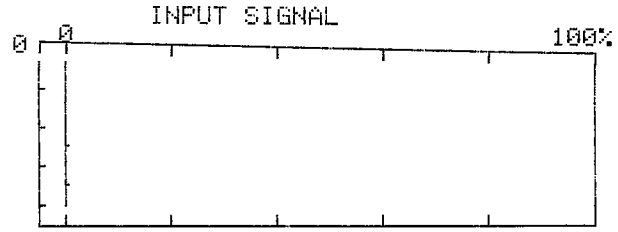
SAMPLE# 6 TC VIAL: 6
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	2444	8.441			
2	2518	8.714			
3	2512	8.692			
4	2528	8.751			
MN	2500	8.650			
SD	38	0.141			

CV 1.52 %
COR CONC DIL 8.650 [x 1.0]
COR CONC INJ 8.650 [x 1.0]

LCS

DATE 06(JUN)-21-2007 15:15



TIME [min]

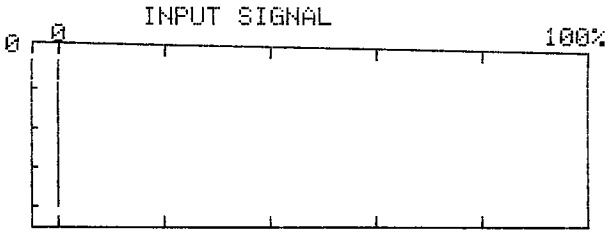
SAMPLE# 5 TC VIAL: 5
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.58			
2	0	-0.58			
3	0	-0.58			
4	0	-0.58			
MN	0	-0.58			
SD	0	0.000			

CV 0.00 %
COR CONC DIL -0.58 [x 1.0]
COR CONC INJ -0.58 [x 1.0]

MB

DATE 06(JUN)-21-2007 14:52



TIME [min]

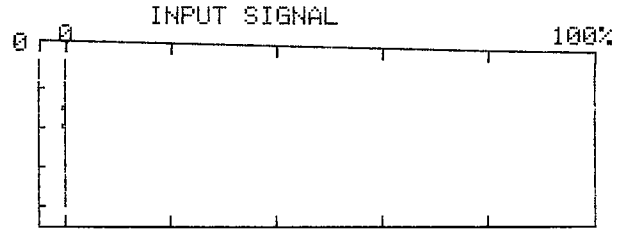
SAMPLE# 6 IC VIAL: 6
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			

CV 0.00 %
COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 6 TOC(TC-IC) 9.250 PPM

DATE 06(JUN)-21-2007 15:25



TIME [min]

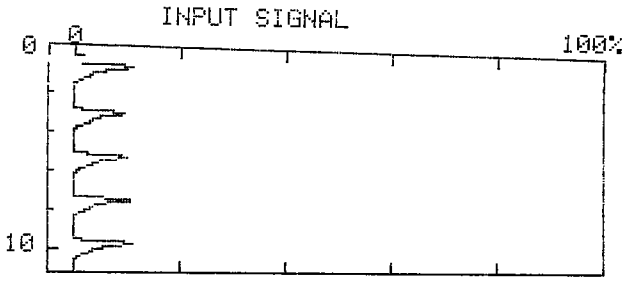
SAMPLE# 5 IC VIAL: 5
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			

CV 0.00 %
COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 5 TOC(TC-IC) 0.020 PPM

DATE 06(JUN)-21-2007 15:02



TIME [min]

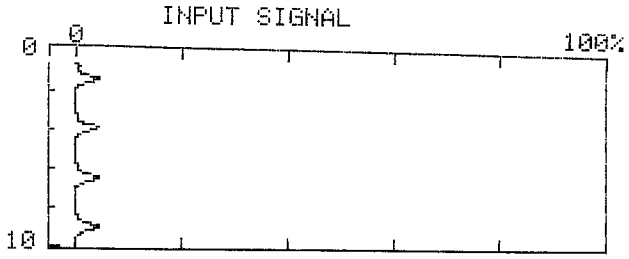
SAMPLE# 8 TC VIAL: 8
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1-	5317	19.05			
2	4738	16.91			
3	4732	16.89			
4	4840	17.28			
5	4924	17.59			
MN	4808	17.17			
SD	91	0.338			

CV 1.90 %
COR CONC DIL 17.17 [x 1.0]
COR CONC INJ 17.17 [x 1.0]

DATE 06(JUN)-21-2007 16:03

6941-01



TIME [min]

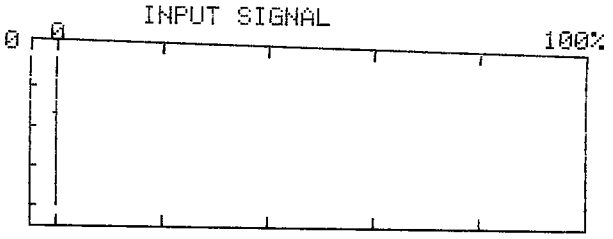
SAMPLE# 7 TC VIAL: 7
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	2452	8.470			
2	2507	8.674			
3	2582	8.950			
4	2558	8.862			
MN	2524	8.739			
SD	57	0.213			

CV 2.28 %
COR CONC DIL 8.739 [x 1.0]
COR CONC INJ 8.739 [x 1.0]

DATE 06(JUN)-21-2007 15:38

LOD



TIME [min]

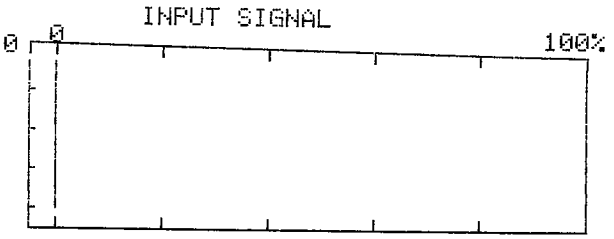
SAMPLE# 8 IC VIAL: 8
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			

CV 0.00 %
COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 8 TOC(TC-IC) 17.77 PPM

DATE 06(JUN)-21-2007 16:12



TIME [min]

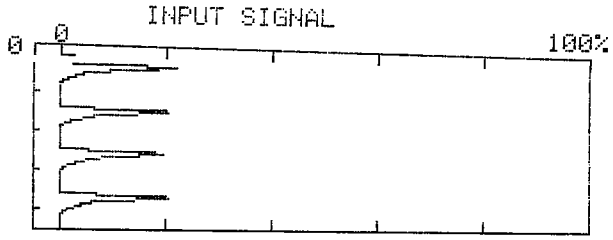
SAMPLE# 7 IC VIAL: 7
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			

CV 0.00 %
COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 7 TOC(TC-IC) 9.339 PPM

DATE 06(JUN)-21-2007 15:49



TIME [min]

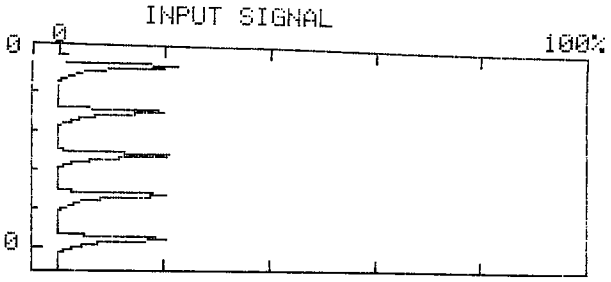
SAMPLE# 10 TC VIAL: 10
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	ppm	C#	µl	RG
1	8474	30.70			
2	8112	29.37			
3	8258	29.91			
4	8237	29.83			
MN	8270	29.95			
SD	150	0.555			

CV 1.81 %
COR CONC DIL 29.95 [x 1.0]
COR CONC INJ 29.95 [x 1.0]

6941-03

DATE 06(JUN)-21-2007 16:47



TIME [min]

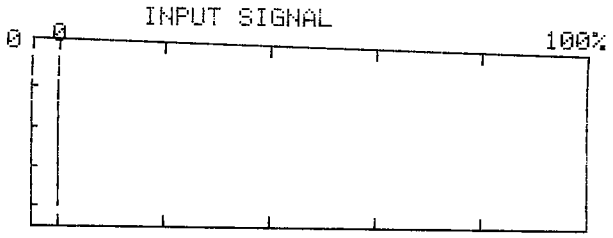
SAMPLE# 9 TC VIAL: 9
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	ppm	C#	µl	RG
1-	8735	31.67			
2	8016	29.01			
3	7966	28.83			
4	8281	29.99			
5	8217	29.75			
MN	8120	29.40			
SD	152	0.563			

CV 1.87 %
COR CONC DIL 29.40 [x 1.0]
COR CONC INJ 29.40 [x 1.0]

6941-02

DATE 06(JUN)-21-2007 16:26



TIME [min]

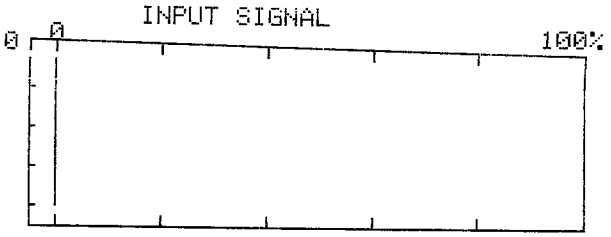
SAMPLE# 10 IC VIAL: 10
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	ppm	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			

CV 0.00 %
COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 10 TOC(TC-IC) 30.55 ppm

DATE 06(JUN)-21-2007 16:58



TIME [min]

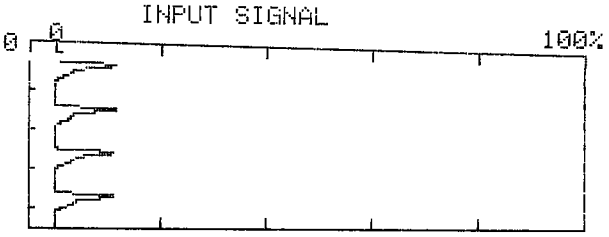
SAMPLE# 9 IC VIAL: 9
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	ppm	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			

CV 0.00 %
COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 9 TOC(TC-IC) 30.00 ppm

DATE 06(JUN)-21-2007 16:36



TIME [min]

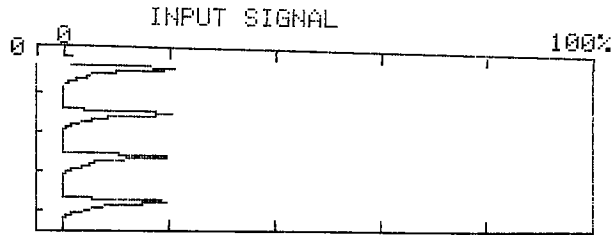
SAMPLE# 12 TC VIAL: 12
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	4960	17.73			
2	5119	18.31			
3	5158	18.46			
4	5102	18.25			
MN	5084	18.19			
SD	86	0.319			
CV	1.69 %				

COR CONC DIL 18.19 [x 1.0]
COR CONC INJ 18.19 [x 1.0]

6941-03

DATE 06(JUN)-21-2007 17:32



TIME [min]

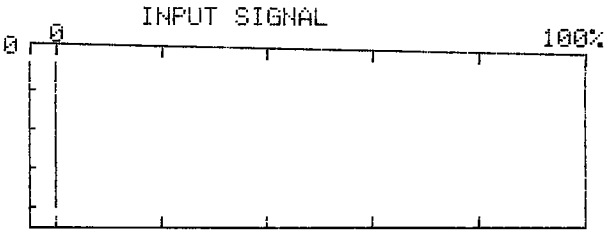
SAMPLE# 11 TC VIAL: 11
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	8670	31.43			
2	8405	30.45			
3	8534	30.92			
4	8474	30.70			
MN	8520	30.88			
SD	112	0.415			
CV	1.32 %				

COR CONC DIL 30.88 [x 1.0]
COR CONC INJ 30.88 [x 1.0]

6941-0

DATE 06(JUN)-21-2007 17:10



TIME [min]

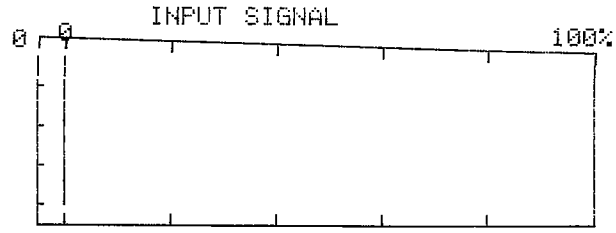
SAMPLE# 12 IC VIAL: 12
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 12 TOC(TC-IC) 18.79 PPM

DATE 06(JUN)-21-2007 17:42



TIME [min]

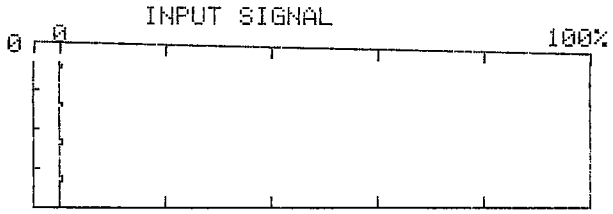
SAMPLE# 11 IC VIAL: 11
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 11 TOC(TC-IC) 31.48 PPM

DATE 06(JUN)-21-2007 17:20



TIME [min]

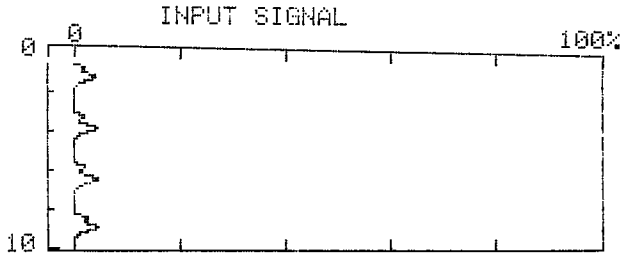
SAMPLE# 14 TC VIAL: 14
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	147	-0.04			
2	197	0.144			
3	203	0.166			
4	200	0.155			
MN	186	0.106			
SD	26	0.098			
CV	14.2 %				

COR CONC DIL 0.106 [x 1.0]
COR CONC INJ 0.106 [x 1.0]

CCB

DATE 06(JUN)-21-2007 18:16



TIME [min]

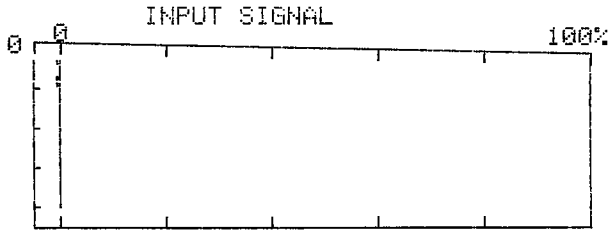
SAMPLE# 13 TC VIAL: 13
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	2822	9.837			
2	3123	10.94			
3	3178	11.15			
4	3092	10.83			
MN	3053	10.69			
SD	158	0.585			
CV	5.19 %				

COR CONC DIL 10.69 [x 1.0]
COR CONC INJ 10.69 [x 1.0]

CCV

DATE 06(JUN)-21-2007 17:55



TIME [min]

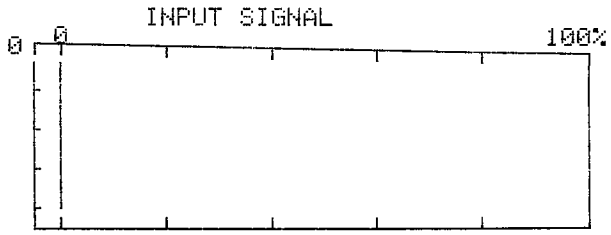
SAMPLE# 14 IC VIAL: 14
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 14 TOC(TC-IC) 0.706 PPM

DATE 06(JUN)-21-2007 18:26



TIME [min]

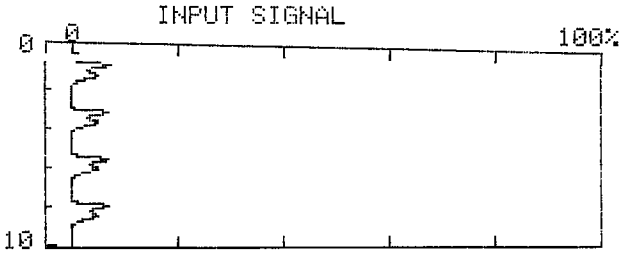
SAMPLE# 13 IC VIAL: 13
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 13 TOC(TC-IC) 11.29 PPM

DATE 06(JUN)-21-2007 18:05



TIME [min]

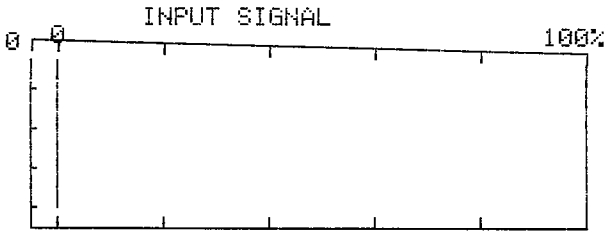
SAMPLE# 16 TC VIAL: 16
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	ppm	C#	µl	RG
1	4942	17.66			
2	4884	17.45			
3	4789	17.10			
4	4833	17.26			
MN	4862	17.37			
SD	65	0.243			

CV 1.35 %
COR CONC DIL 17.37 [x 1.0]
COR CONC INJ 17.37 [x 1.0]

6941-05 SD

DATE 06(JUN)-21-2007 19:02



TIME [min]

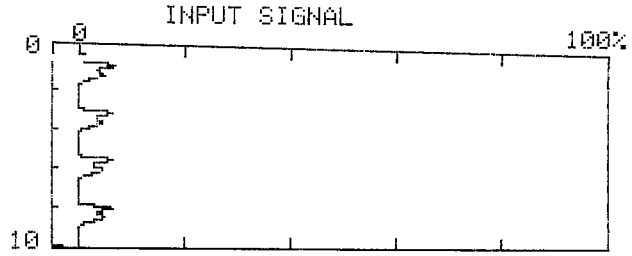
SAMPLE# 16 IC VIAL: 16
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	ppm	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			

CV 0.00 %
COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 16 TOC(TC-IC) 17.97 ppm

DATE 06(JUN)-21-2007 19:12



TIME [min]

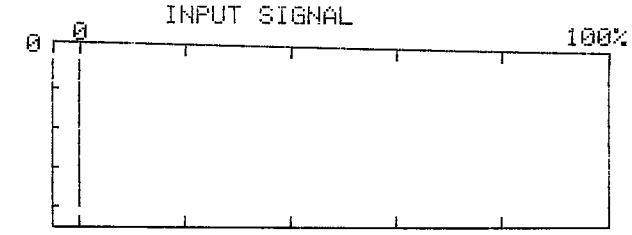
SAMPLE# 15 TC VIAL: 15
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	ppm	C#	µl	RG
1	4852	17.33			
2	4588	16.35			
3	4616	16.46			
4	4620	16.47			
MN	4669	16.65			
SD	122	0.453			

CV 2.63 %
COR CONC DIL 16.65 [x 1.0]
COR CONC INJ 16.65 [x 1.0]

6941-05 MS

DATE 06(JUN)-21-2007 18:39



TIME [min]

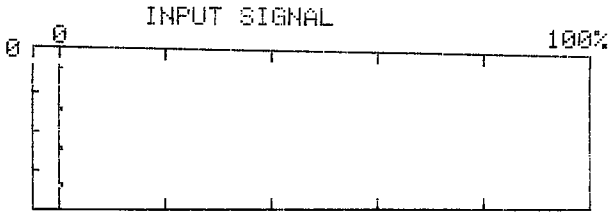
SAMPLE# 15 IC VIAL: 15
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	ppm	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			

CV 0.00 %
COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 15 TOC(TC-IC) 17.25 ppm

DATE 06(JUN)-21-2007 18:49



TIME [min]

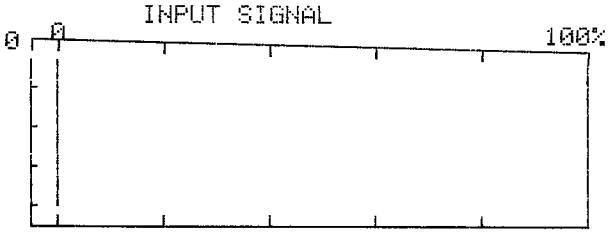
SAMPLE# 18 TC VIAL: 18
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.58			
2	139	-0.07			
3	156	-0.00			
4	151	-0.02			
MN	111	-0.17			
SD	74	0.275			
CV	66.9 %				

COR CONC DIL -0.17 [x 1.0]
COR CONC INJ -0.17 [x 1.0]

CCS

DATE 06(JUN)-21-2007 19:46



TIME [min]

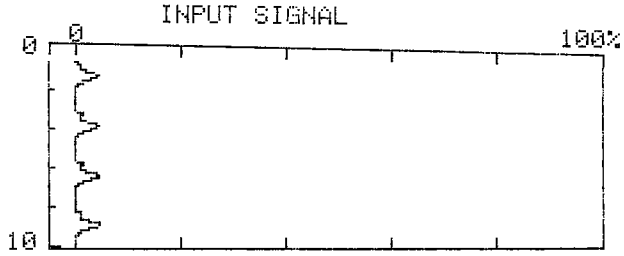
SAMPLE# 18 IC VIAL: 18
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 18 TOC(TC-IC) 0.430 PPM

DATE 06(JUN)-21-2007 19:56



TIME [min]

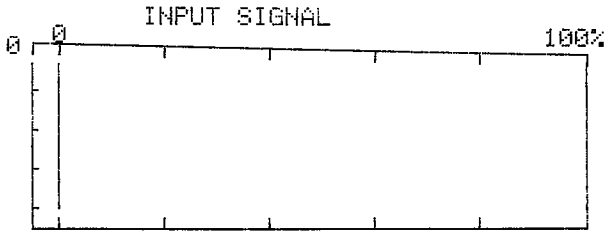
SAMPLE# 17 TC VIAL: 17
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	2762	9.615			
2	2929	10.23			
3	2925	10.21			
4	2856	9.962			
MN	2868	10.00			
SD	78	0.288			
CV	2.72 %				

COR CONC DIL 10.00 [x 1.0]
COR CONC INJ 10.00 [x 1.0]

CCV

DATE 06(JUN)-21-2007 19:25



TIME [min]

SAMPLE# 17 IC VIAL: 17
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 17 TOC(TC-IC) 10.60 PPM

DATE 06(JUN)-21-2007 19:35

STANDARDS LOG

Methods: 160.1, 300.1, 310.1, 415.1

SDG No.: 2506941

STANDARD LOT	ID	MFG LOT	MANUFACTURER	EXPIRATION DATE	FINAL VOLUME	CREATED/RECEIVED	BY
13944 - 57301	9060W_SPK	6170	VWR	7/31/07 12:00:00 PM	500 mL	8/3/06 10:00:16 AM	EBAT

1000 mg/L: TOC, TOC AVERAGE, Dissolved Organic Carbon

STANDARD LOT	ID	MFG LOT	MANUFACTURER	EXPIRATION DATE	FINAL VOLUME	CREATED/RECEIVED	BY
16186 - 58602	310.1_SPK	6058	VWR	8/31/07 12:00:00 PM	1000 mL	12/20/06 10:17:44 AM	EBAT

2500 mg/L: Alkalinity (Total), Alkalinity (Bicarbonate)

STANDARD LOT	ID	MFG LOT	MANUFACTURER	EXPIRATION DATE	FINAL VOLUME	CREATED/RECEIVED	BY
18614 - 60603	160.1W_LCS	041707	NSI	4/13/08 12:00:00 PM	1000 mL	5/15/07 2:47:32 PM	EBAT

258 mg/L: Residue, Filterable (TDS)

STANDARD LOT	ID	MFG LOT	MANUFACTURER	EXPIRATION DATE	FINAL VOLUME	CREATED/RECEIVED	BY
18632 - 60701	9060W_LCS	7067	VWR	4/30/08 12:00:00 PM	500 mL	5/16/07 4:20:53 PM	EBAT

1000 mg/L: TOC, TOC AVERAGE, Dissolved Organic Carbon

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
17734	300.1_STKA	HPS	0706404	3/6/08	500 ML	3/7/07	EricBattistaWCH

1296 UG/ML: Phosphate
2000 UG/ML: Bromide, Chloride, Fluoride, Sulfate
250 UG/ML: Nitrate

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
17735	300.1_STKB	HPS	0706407	3/6/08	500 ML	3/7/07	EricBattistaWCH

250 UG/ML: Nitrite

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
17945	300.1_DCA_Surr			6/30/08	100 ML	4/3/07	EricBattistaWCH

5 MG/L: Dichloroacetate - DCA

COMPOSED OF:

13267:

PEL Laboratories, Inc.

Customer Name:	CH2M Hill
Date and Time Received:	6/8/2007 10:35:00 AM
Date Reported:	6/27/2007
Laboratory Submission Number/SDG:	2506956
Project:	NTC Orlando / TO-5

Samples: The submission consisted of 7 samples with sample identification shown in the attached data tables.

Tests: The samples were analyzed for the methods listed on the attached table of contents.

Results: See the attached data tables for results.

Distribution of Report to:

CH2M Hill
Attn: Kama White
Phone: W 770-604-9182
F 770-604-9282

Respectfully Submitted,

Brian Spann
Laboratory Manager
PEL Laboratories, Inc.

Note: Submitted material will be retained for 30 days unless otherwise requested by client or consumed in analysis. PEL letters and reports are i the exclusive use of the client to whom they are addressed. Our Letters and reports apply to the sample tested and are not necessarily indicative c the qualities of apparently identical or similar materials

4420 Pendola Point Road • Tampa, Florida 33619
(813)247-2805 • FAX: (813)248-1537
Website: www.pelab.com

Inorganics **3**
WET CHEMISTRY DATA PACKAGE TOTALS..... 6
Sample Data 12
QC Summary 20

Chain of Custody Documentation **41**

Addendum **47**

Appendix **51**
Raw Data Inorganics/Wet Chemistry..... AI-1

EXECUTIVE SUMMARY - Detection Highlights

2506956

SAMPLE ID: TO05IW1BL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Alkalinity (Total)	5240	1500	UG/L	E310.1
TOC	25900	5520	UG/L	E415.1

SAMPLE ID: TO05IW2ABL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Alkalinity (Total)	9330	1500	UG/L	E310.1
TOC	21800	5520	UG/L	E415.1

SAMPLE ID: TO05IW2BBL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Alkalinity (Total)	53600	1500	UG/L	E310.1
TOC	33100	5520	UG/L	E415.1

SAMPLE ID: TO05MW46ABL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Alkalinity (Total)	9640	1500	UG/L	E310.1
TOC	17200	5520	UG/L	E415.1

SAMPLE ID: TO05MW46BBL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Alkalinity (Total)	43100	1500	UG/L	E310.1
TOC	26900	5520	UG/L	E415.1

270607 1549

EXECUTIVE SUMMARY - Detection Highlights

2506956

SAMPLE ID: TO05MW48ABL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Alkalinity (Total)	18600	1500	UG/L	E310.1
TOC	21600	5520	UG/L	E415.1

SAMPLE ID: TO05MW48BBL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Alkalinity (Total)	43100	1500	UG/L	E310.1
TOC	33500	5520	UG/L	E415.1

270607 1549

Inorganics

270607 1549

Inorganic Data Qualifiers

C (Concentration) Qualifier - Entries and their meanings are:

J The reported value obtained was less than the RL but greater than or equal to the MDL.

E The reported value obtained was over calibration or linear range.

U The reported value obtained was less than the MDL or was not detected.

Q Qualifier - Entries and their meanings are:

U The reported value is estimated because of interference. An explanatory comment must be included under "Comments" on the Cover Page if the problem applies to all samples in this data package or on the individual FORM 1 if it is an isolated problem.

M Duplicate injection precision was not met (two analyses of the same sample did not agree).

N Spiked sample recovery not within control limits.

E Serial Dilution percent difference not within control limits.

S The reported value was determined by the Method of Standard Additions (MSA).

W Post-digestion spike for Furnace AA analysis is out of control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.

***** Duplicate analysis not within control limits.

+ Correlation coefficient for the MSA is less than 0.995.

X The data is flagged as rejected by analyst utilizing analytical judgement.

Entering "S", "W", or "+" is mutually exclusive. No combination of these qualifiers can apear in the same field.

M (Method) Qualifier - Enter one of the following:

P ICP
A Flame AA
F Furnace AA
CV Manual Cold Vapor AA
TC Total Organic Carbon
AS Semi-Automated Spectrophotometric
CA Midi-Distillation Spectrophotometric
T Titrimetric
C Manual Spectrophotometric
GR Gravimetric
NR Analyte was not required by your lab

270607 1549

Inorganic Sample ID Qualifiers

The qualifiers that may be appended to the lab sample ID and/or the client sample ID for inorganic analysis are defined below:

DL Diluted reanalysis. Indicates that the results of the original analysis of the sample contained compounds that exceeded the calibration range. The sample was diluted and reanalyzed. May be followed by a digit to indicate multiple dilutions of the sample. The results of more than one diluted reanalysis may be reported.

R Reanalysis. The extract was reanalyzed without re-extraction. The "R" is not used if the sample was also re-extracted. May be followed by a digit to indicate multiple reanalysis of the sample at the same dilution.

RE Re-extracted. The extract was reanalyzed with re-extraction. May be followed by a digit to indicate multiple re-extraction of the same sample at the same dilution.

MS Matrix spike (may be followed by a digit to indicate multiple matrix within a sample set).

SD Matrix spike duplicate (may be followed by a digit to indicate multiple matrix spike duplicate within a sample set).

A Post Digestion Spike.

L Serial Dilution.

270607 1549

WET CHEMISTRY DATA PACKAGE
TOTALS

270607 1549

CASE NARRATIVE
ALKALINITY

PEL Lab Reference No./SDG: 2506956

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

Analyses were performed according to PEL Laboratory's Standard Operating Procedures and EPA Method 310.1.

IV. ANALYSIS

A. Blanks:

1. Method Blanks:

All acceptance criteria were met.

B. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

No spikes requested by client.

C. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section B. Spikes.)

D. Samples:

Sample analysis proceeded normally.

CASE NARRATIVE
ALKALINITY

PEL Lab Reference No./SDG: 2506956

Client: CH2M Hill

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

SIGNED: **DATE: 06/18/2007**

CASE NARRATIVE
TOTAL ORGANIC CARBON

PEL Lab Reference No./SDG: 2506956

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

Analyses were performed according to PEL Laboratory's Standard Operating Procedures and EPA Method 415.1.

IV. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met. The following ICB/CCB(s) had element concentrations below the RL:

CCB245063 was analyzed on 06/26/07 16:40. The following analyte(s) were detected above RL: TOC at 1180 UG/L.

It should be noted that the concentrations of target analyte found in the samples were greater than 10X the concentration found in CCB245063.

2. Method Blanks:

All acceptance criteria were met.

C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

No spikes requested by client.

CASE NARRATIVE
TOTAL ORGANIC CARBON

PEL Lab Reference No./SDG: 2506956

Client: CH2M Hill

D. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)

E. Samples:

Sample analysis proceeded normally.

Sample TO05IW1BL required a 1:5 dilution due to sample matrix (Odor).

Sample TO05IW2ABL required a 1:5 dilution due to sample matrix (Odor).

Sample TO05IW2BBL required a 1:5 dilution due to sample matrix (Odor).

Sample TO05MW46ABL required a 1:5 dilution due to sample matrix (Odor).

Sample TO05MW46BBL required a 1:5 dilution due to sample matrix (Odor).

Sample TO05MW48ABL required a 1:5 dilution due to sample matrix (Odor).

Sample TO05MW48BBL required a 1:5 dilution due to sample matrix (Odor).

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

SIGNED: **DATE: 06/27/2007**

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SDG No.: 2506956

SOW No.:

EPA Sample No	Lab Sample ID
TO05MW46ABL	250695601
TO05MW46BBL	250695602
TO05IW2BBL	250695603
TO05IW2ABL	250695604
TO05MW48ABL	250695605
TO05MW48BBL	250695606
TO05IW1BL	250695607

Comments:

270607 1549

Sample Data

270607 1549

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1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW46ABL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506956

Matrix: WATER Lab Sample ID: 250695601

Level:(low/med) LOW Date Received: 6/8/2007

PercentSolids: 0 Station ID: OLD-OU2-46A

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M
47752-0-60-0	Alkalinity (Total)	9640			IS
1012_5	TOC	17200			AS

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

270607 1549

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1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW46BBL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506956

Matrix: WATER Lab Sample ID: 250695602

Level:(low/med) LOW Date Received: 6/8/2007

PercentSolids: 0 Station ID: OLD-OU2-46B

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M
47752-0-60-0	Alkalinity (Total)	43100			IS
1012_5	TOC	26900			AS

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

270607 1549

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1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05IW2BBL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506956

Matrix: WATER Lab Sample ID: 250695603

Level:(low/med) LOW Date Received: 6/8/2007

PercentSolids: 0 Station ID: OLD-OU2-IW2B

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M
47752-0-60-0	Alkalinity (Total)	53600			IS
1012_5	TOC	33100			AS

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

270607 1549

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1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05IW2ABL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506956

Matrix: WATER Lab Sample ID: 250695604

Level:(low/med) LOW Date Received: 6/8/2007

PercentSolids: 0 Station ID: OLD-OU2-IW2A

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M
47752-0-60-0	Alkalinity (Total)	9330			IS
1012_5	TOC	21800			AS

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

270607 1549

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1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW48ABL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506956

Matrix: WATER Lab Sample ID: 250695605

Level:(low/med) LOW Date Received: 6/8/2007

PercentSolids: 0 Station ID: OLD-OU2-48A

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M
47752-0-60-0	Alkalinity (Total)	18600			IS
1012_5	TOC	21600			AS

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

270607 1549

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1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW48BBL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506956

Matrix: WATER Lab Sample ID: 250695606

Level:(low/med) LOW Date Received: 6/8/2007

PercentSolids: 0 Station ID: OLD-OU2-48B

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M
47752-0-60-0	Alkalinity (Total)	43100			IS
1012_5	TOC	33500			AS

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

270607 1549

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1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05IW1BL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506956

Matrix: WATER Lab Sample ID: 250695607

Level:(low/med) LOW Date Received: 6/8/2007

PercentSolids: 0 Station ID: OLD-OU2-IW1

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M
47752-0-60-0	Alkalinity (Total)	5240			IS
1012_5	TOC	25900			AS

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

270607 1549

QC Summary

270607 1549

U.S. EPA - CLP

2-CC

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-

Lab Code : PEL Case No. SAS No: SDG No.: 2506956

Concentration Units: (UG/L)

Analyte	Initial Calibration				Continuing Calibration						
	Source Used	True	Found	%R (1)	Source Used	True	Found	%R (1)	Found	%R (1)	M
Alkalinity (Total)											IS
TOC	18632-60701	10000	9520.000	95.2	13944-57301	10000	10200.000	102.0	9990.000	99.9	AS

ICV IDs: AS= ICV245053

CCV1 IDs: AS= CCV245060

CCV2 IDs: AS= CCV245062

(1) Control Limits: TOC: 80-120

Comments:

270607 1550

U.S. EPA - CLP

3

BLANKS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506956

Preparation Blank Matrix (water/soil): WATER

Preparation Blank Concentration Units (ug/L or mg/Kg): UG/L

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Alkalinity (Total)									1500	U	IS
TOC	1104	U	1104	U	1180	=			1100	U	AS

ICB IDs: AS= ICB245054

CCB1 IDs: AS= CCB245061

CCB2 IDs: AS= CCB245063

CCB3 IDs:

270607 1550

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3

BLANKS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506956

Preparation Blank Matrix (water/soil): WATER

Preparation Blank Concentration Units (ug/L or mg/Kg): UG/L

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Alkalinity (Total)									1500	U	IS
TOC											AS

ICB IDs:

CCB1 IDs:

CCB2 IDs:

CCB3 IDs:

270607 1550

U.S. EPA - CLP

3

BLANKS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506956

Preparation Blank Matrix (water/soil): WATER

Preparation Blank Concentration Units (ug/L or mg/Kg): UG/L

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Alkalinity (Total)									1500	U	IS
TOC											AS

ICB IDs:

CCB1 IDs:

CCB2 IDs:

CCB3 IDs:

270607 1550

U.S. EPA - CLP

3

BLANKS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506956

Preparation Blank Matrix (water/soil): WATER

Preparation Blank Concentration Units (ug/L or mg/Kg): UG/L

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Alkalinity (Total)									1500	U	IS
TOC											AS

ICB IDs:

CCB1 IDs:

CCB2 IDs:

CCB3 IDs:

270607 1550

U.S. EPA - CLP

3

BLANKS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506956

Preparation Blank Matrix (water/soil): WATER

Preparation Blank Concentration Units (ug/L or mg/Kg): UG/L

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Alkalinity (Total)									1500	U	IS
TOC											AS

ICB IDs:

CCB1 IDs:

CCB2 IDs:

CCB3 IDs:

270607 1550

U.S. EPA - CLP

3

BLANKS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506956

Preparation Blank Matrix (water/soil): WATER

Preparation Blank Concentration Units (ug/L or mg/Kg): UG/L

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Alkalinity (Total)									1500	U	IS
TOC											AS

ICB IDs:

CCB1 IDs:

CCB2 IDs:

CCB3 IDs:

270607 1550

U.S. EPA - CLP

6

DUPLICATES

EPA Sample No.

244327LCSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506956

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0 % Solids for Duplicate: 0

Concentration Units (mg/L or mg/kg): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Alkalinity (Total)	20	50600		48300		4.7		IS

Comments:

270607 1550

U.S. EPA - CLP

6

DUPLICATES

EPA Sample No.

244361LCSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506956

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0 % Solids for Duplicate: 0

Concentration Units (mg/L or mg/kg): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Alkalinity (Total)	20	51000		49200		3.6		IS

Comments:

270607 1550

U.S. EPA - CLP

6

DUPLICATES

EPA Sample No.

245056LCSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506956

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0 % Solids for Duplicate: 0

Concentration Units (mg/L or mg/kg): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
TOC	20	9310		9580		2.9		AS

Comments:

270607 1550

U.S. EPA - CLP

7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

244327LCS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506956

Matrix: (soil/water) WATER

Concentration Units: (UG/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
Alkalinity (Total)	16186-58602	IS	80	120	50000	50600	101.2	

Comments:

270607 1550

U.S. EPA - CLP

7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

244327LCSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506956

Matrix: (soil/water) WATER

Concentration Units: (UG/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
Alkalinity (Total)	16186-58602	IS	80	120	50000	48300	96.6	

Comments:

270607 1550

U.S. EPA - CLP

7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

244361LCS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506956

Matrix: (soil/water) WATER

Concentration Units: (UG/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
Alkalinity (Total)	16186-58602	IS	80	120	50000	51000	102	

Comments:

270607 1550

U.S. EPA - CLP

7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

244361LCSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506956

Matrix: (soil/water) WATER

Concentration Units: (UG/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
Alkalinity (Total)	16186-58602	IS	80	120	50000	49200	98.4	

Comments:

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U.S. EPA - CLP

7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

245056LCS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506956

Matrix: (soil/water) WATER

Concentration Units: (UG/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
TOC	13944-57301	AS	80	120	10000	9310	93.1	

Comments:

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U.S. EPA - CLP

7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

245056LCSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506956

Matrix: (soil/water) WATER

Concentration Units: (UG/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
TOC	13944-57301	AS	80	120	10000	9580	95.8	

Comments:

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10

METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506956

Matrix: Water

Concentration Units: UG/L

PARAMETER	M	INSTRUMENT ID	DATE	CRDL	MDL	Raw MDL (UG/L)
Alkalinity (Total)	IS	TITRAT	1/10/2007	1500	500	500
TOC	AS	SHIMZ2	5/31/2007	1104	368	368

Comments:

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14

ANALYSIS RUN LOG

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506956

Instrument ID Number : TITRAT Method : IS

Start Date : 6/14/2007 End Date : 6/14/2007

EPA Sample No.	D/F	Time	%R	Analytes: Alkalinity (Total)
244326BLK	1	15:30		X
244327LCS	1	15:33		X
244327LCSD	1	15:38		X
ZZZZZZ	1	15:43		
ZZZZZZ	2	15:50		
ZZZZZZ	2	16:03		
ZZZZZZ	2	16:11		
ZZZZZZ	1	16:28		
ZZZZZZ	1	16:31		
244330BLK	1	16:36		X
ZZZZZZ	1	17:03		
ZZZZZZ	1	17:08		
ZZZZZZ	1	17:13		
TO05MW46ABL	1	17:17		X
TO05MW46BBL	1	17:20		X
TO05IW2BBL	1	17:26		X
TO05IW2ABL	1	17:31		X
TO05MW48ABL	1	17:35		X
ZZZZZZ	1	17:39		
ZZZZZZ	1	17:45		
244333BLK	1	17:51		X

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14

ANALYSIS RUN LOG

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506956

Instrument ID Number : TITRAT Method : IS

Start Date : 6/15/2007 End Date : 6/15/2007

EPA Sample No.	D/F	Time	%R	Analytes: Alkalinity (Total)
244360BLK	1	12:01		X
244361LCS	1	12:04		X
244361LCSD	1	12:09		X
ZZZZZZ	1	12:15		
TO05MW48BBL	1	12:21		X
TO05IW1BL	1	12:27		X
ZZZZZZ	1	12:30		
ZZZZZZ	1	12:33		
ZZZZZZ	1	12:38		
244364BLK	1	12:46		X
ZZZZZZ	1	14:08		
ZZZZZZ	1	14:14		
ZZZZZZ	1	14:20		
ZZZZZZ	1	14:23		
ZZZZZZ	1	14:27		
ZZZZZZ	1	14:34		
ZZZZZZ	1	14:37		
ZZZZZZ	1	14:41		
ZZZZZZ	1	14:46		
244367BLK	1	14:51		X

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14

ANALYSIS RUN LOG

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506956

Instrument ID Number : SHIMZ2 Method : AS

Start Date : 6/26/2007 End Date : 6/26/2007

EPA Sample No.	D/F	Time	%R	Analytes: TOC
ICV245053	1	10:26		X
ICB245054	1	10:47		X
245055BLK	1	11:09		X
245056LCS	1	11:32		X
245056LCSD	1	11:56		X
TO05MW46ABL	5	12:18		X
ZZZZZZ	5	12:40		
ZZZZZZ	5	13:02		
TO05MW46BBL	5	13:23		X
TO05IW2BBL	5	13:45		X
CCV245060	1	14:10		X
CCB245061	1	14:31		X
TO05IW2ABL	5	14:52		X
TO05MW48ABL	5	15:12		X
TO05MW48BBL	5	15:34		X
TO05IW1BL	5	15:56		X
CCV245062	1	16:19		X
CCB245063	1	16:40		X

270607 1550

Chain of Custody Documentation

270607 1550

CH2MHILL Constructors, Inc.
115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

2506956 KC

[1] COC NUMBER:

[2] PROJECT NAME:	[5] PROJECT NUMBER:	[8] LAB NAME AND CONTACT:	[11] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No. , and Fax No.):
NTC Orlando	283383.10.10	Darcy Weisman/ PEL labs	Kama White CH2M Hill CCI	North Park 400, 1000 Abenathy Rd, Suite 1600 Atlanta Ga. 30328
[3] PROJECT PHASE/SITE/TASK:	[6] CTO OR DO NUMBER:	[9] LAB PO NUMBER:	[12] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No. , and Fax No.):
OU-2/JVII	T0-05	808799		
[4] PROJECT CONTACT:	[7] PROJECT TEL NO AND FAX NO:	[10] LAB TEL NO AND FAX NO:	[13] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No. , and Fax No.):
Bethany Garvey	770-604-9182	813-247-2085		

[25] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SOP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	TOC	Alkalinity									[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	TO05MW46ABL	OLD-OU2-46A	W	06/07/07	10:30	C	14	1	1									N		01
2	TO05MW46BBL	OLD-OU2-46B	W	06/07/07	11:10	C	14	1	1									N		02
3	TO05IW2BBL	OLD-OU2-IW2B	W	06/07/07	15:00	C	14	1	1									N		03
4	TO05IW2ABL	OLD-OU2-IW2A	W	06/07/07	16:10	C	14	1	1									N		04
5	TO05MW48ABL	OLD-OU2-48A	W	06/07/07	16:45	C	14	1	1									N		05
6	TO05MW48BBL	OLD-OU2-48B	W	06/07/07	16:20	C	14	1	1									N		06
7	TO05IW1BL	OLD-OU2-IW1	W	06/07/07	11:45	C	14	1	1									N		07
8																			Please note New Mailing Address.	
9																				
10																			Caution maybe high VOC's	

2506956

[29] SAMPLER(S) AND COMPANY: (please print)	[30] COURIER AND SHIPPING NUMBER:	[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):
Mark Stinnett, Sara Vaughn ,Isaac Lynch CH2M HILL	Fed Ex 860833437146	rec'd @ 4.0C pH <2 (TOC)

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature: Sara Lynch	6-07-07	1830	Printed Name and Signature: K O C PEL	6/8/07	1035
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

Distribution: [ ] **Original** - Laboratory (To be returned with Analytical Report); [ ] **Copy 1** - Project File; [ ] **Copy 2** - PMO

Form CCI001, Rev 06/00

FedEx Express **US Airbill** 8608 3343 7146 0200 Form ID No. **FedEx Retrieval Copy**

1 From

Date 6/7/07 Sender's FedEx Account Number 241 953 520

Sender's Name Isaac Lynch Phone 352 494-3332

Company CH2M Hill OCI

Address 1010 Lakehouse Road Dept./Floor/Suite/Room

City Gainesville State FL ZIP 32603

2 Your Internal Billing Reference 250383.1011

3 To

Recipient's Name Darcy Lessman Phone 813 247-2500

Company P.E.L. Labs

Recipient's Address 4420 Fendon Pl Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City Tampa State FL ZIP 33619.

8608 3343 7146

4a Express Package Service *Packages up to 150 lbs.*

1 [X] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

5 [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

6 [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.

3 [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

20 [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

FedEx Envelope rate not available. Minimum charge: One-pound rate.

* To most locations.

4b Express Freight Service *Packages over 150 lbs.*

7 [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

8 [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

83 [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

* Call for Confirmation:

** To most locations.

5 Packaging

6 [ ] FedEx Envelope* 2 [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak. 3 [ ] FedEx Box 4 [ ] FedEx Tube 1 [X] Other

* Declared value limit $500.

6 Special Handling — Include FedEx address in Section 3.

3 [ ] **SATURDAY Delivery** — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.

1 [ ] **HOLD Weekday** at FedEx Location — Not available for FedEx First Overnight.

31 [ ] **HOLD Saturday** at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.

[X] No 4 [ ] Yes — As per attached Shipper's Declaration. [ ] Yes — Shipper's Declaration not required. 6 [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging. [ ] Cargo Aircraft Only

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below.

1 [X] Sender — Acct. No. in Section 1 will be billed. 2 [ ] Recipient 3 [ ] Third Party 4 [ ] Credit Card 5 [ ] Cash/Check Obtain Recip. Acct. No. [ ]

Total Packages	Total Weight	Total Charges
1	56	Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

8 *NEW* Residential Delivery Signature Options If you require a signature, check Direct or Indirect.

[ ] No Signature Required — Package may be left without obtaining a signature for delivery. 10 [ ] Direct Signature — Anyone at recipient's address may sign for delivery. *Fee applies.* 34 [ ] Indirect Signature — If no one is available at recipient's address, anyone at a neighboring address may sign for delivery. *Fee applies.*

520

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2506956

43

PEL Laboratories, Inc.

pH LOG SHEET

Work Order # 2506956 By KC

Client / Project Name NTC Orlando Date 6/8/07

PEL Sample Number	H_2SO_4 (pH<2)		HNO_3 (pH<2)		NaOH (pH>12)		ZnAC/NaOH (pH>9)		HCl (pH<2)		Other _____ pH _____	
	No. of Containers	pH	No. of Containers	pH	No. of Containers	pH	No. of Containers	pH	No. of Containers	pH	No. of Containers	pH
01									1	<2		
02									↓	↓		
03												
04												
05												
06												
07												
									↓	↓		

W:\Login\pH LOG SHEET REV 3.doc

2506956

SAMPLE RECEIPT CONFIRMATION SHEET

Client Information

SDG:	2506956	**Req:**	83010
Client:	CH2M Hill	**Project:**	TO-5 / AGVIQ (OU-2 Pilot Study)
Level:	4	**Date Rec'd:**	6/8/07 10:35:00 AM
Rec'd via:	Fed-Ex	**Due Date:**	06/22/07

Sample Verification

Samples/Cooler Secure?	Yes	**All Samples on COC accounted For?**	Yes
Temperature of Samples(Celsius)	4.0C	**All Samples Rec'd Intact?**	Yes
pH Verified?	Yes	**Sample Vol. Stuff. For Analysis?**	Yes
pH WNL?	Yes	**Samples Rec'd W/I Hold Time?**	Yes
Soil Origin (Domestic/Foreign):		**Are All Samples to be Analyzed?**	Yes
Site Location/Project on COC?	Yes	**Correct Sample Containers?**	Yes
Client Project # on COC?	Yes	**COC Comments written on COC?**	Yes
Project Mgr. Indicated on COC?	Yes	**Samplers Initials on COC?**	Yes
COC relinquished/Dated by Client?	Yes	**Sample Date/Time Indicated?**	Yes
COC Received/Dated by PEL?	Yes	**TAT Requested:**	STD
Specific Subcontract Indicated?	No	**Client Requests Verbal Results?**	No
Samples Received By	Fed-Ex	**Client Requests Faxed Results?**	No
PEL to Conduct ALL Analyses?	Yes		

Subcontract Analysis

Parameter	Due Date	Via	Lab Name	Comments

PEER REVIEW

Client: CH2M Hill

WONo: 2506956 **Profile Name:** NTC Orlando **Profile #:** 83010

MATRIX ***W***

Sample #	Parameter		Relinquished	Received	Date	Time
01 - 07	415.1	TOC(single)	[illegible]	ESJ	6/25/07	8:20
01 - 07	415.1	TOC(single)	ESJ	[illegible]	6/25/07	10:30
01 - 07	310.1	Alkalinity (Total)	[illegible]	ESJ	6/14/07	12:50
01 - 07	310.1	Alkalinity (Total)	ESJ	[illegible]	6/14/07	16:50

Additional:

Comments:

Addendum

270607 1550

Letter of Acceptance

Customer Name: CH2M Hill

Date and Time Received: 6/8/2007 10:35:00 AM

Date to be Reported: 6/22/2007

Laboratory Submission Number/SDG: 2506956

Get Detailed Analyte List here: www.pelab.com/webdms/Default.asp?LoaSDG=2506956

Project: NTC Orlando / TO-5

Samples: The submission consisted of 7 samples with sample identification shown in the attached data tables.

Tests: The Samples will be analyzed for EPA methods: 310.1, 415.1.

Sample Custody/COC discrepancies:

None.

Notes:

14-day TAT.

Distribution of Report to:

CH2M Hill
Attn: Kama White
Phone: W 770-604-9182
F 770-604-9282

Note: Submitted material will be retained for 30 days unless otherwise requested by client or consumed in analysis. PEL letters and reports are for the exclusive use of the client to whom they are addressed. Our letters and reports apply to the sample tested and are not necessarily indicative of the qualities of apparently identical or similar materials

Log-in Report

Level 4

Total of: 14 analyses on 7 samples (including QC) *11-Jun-07*

Report/SDG #: 2506956

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05MW46ABL	250695601	OLD-OU2-46A	W	6/7/2007 10:30:00 AM	6/8/2007 10:35:00 AM

Method		
310.1	Alkalinity (Total)	310.1
415.1	TOC(single)	415.1

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05MW46BBL	250695602	OLD-OU2-46B	W	6/7/2007 11:10:00 AM	6/8/2007 10:35:00 AM

Method		
310.1	Alkalinity (Total)	310.1
415.1	TOC(single)	415.1

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05IW2BBL	250695603	OLD-OU2-IW2B	W	6/7/2007 3:00:00 PM	6/8/2007 10:35:00 AM

Method		
310.1	Alkalinity (Total)	310.1
415.1	TOC(single)	415.1

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05IW2ABL	250695604	OLD-OU2-IW2A	W	6/7/2007 4:10:00 PM	6/8/2007 10:35:00 AM

Method		
310.1	Alkalinity (Total)	310.1
415.1	TOC(single)	415.1

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05MW48ABL	250695605	OLD-OU2-48A	W	6/7/2007 4:45:00 PM	6/8/2007 10:35:00 AM

Method		
310.1	Alkalinity (Total)	310.1
415.1	TOC(single)	415.1

Report/SDG #: 2506956

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05MW48BBL	250695606	OLD-OU2-48B	W	6/7/2007 4:20:00 PM	6/8/2007 10:35:00 AM

Method		
310.1	Alkalinity (Total)	310.1
415.1	TOC(single)	415.1

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05IW1BL	250695607	OLD-OU2-IW1	W	6/7/2007 11:45:00 AM	6/8/2007 10:35:00 AM

Method		
310.1	Alkalinity (Total)	310.1
415.1	TOC(single)	415.1

Appendix

270607 1550

Raw Data Inorganics/Wet Chemistry

Alkalinity
Method 310.1

Instrument ID Orion M1

Analyst:	EJB
Date:	6/14/07
Time:	12:55:00

Sequence #	ALK061407
Batch #	14541

Reagents:

Sulfuric Acid (0.02N)		Buffer pH 4		Buffer pH 7	
IS#	12858	IS#	16908	IS#	16907
Lot#	1604536	Lot#	A7016	Lot#	A7023
Exp. Date	4/30/08	Exp. Date	1/31/09	Exp. Date	1/31/11

Standards

QC (50 ppm) (2 mL into 100 mL of DI)		**LCS** (50 ppm) (2 mL into 100 mL of DI)		**MS** (50 ppm) (2 mL into 100 mL)	
IS#	16186	IS#	16185	IS#	16185
Lot#	6058	Lot#	6058	Lot#	6058
Exp. Date	8/31/07	Exp. Date	8/31/07	Exp. Date	8/31/07

Sample ID	Container #	Position #	Vol. (mL)	Dilution	Notes			
Corr. Blk	X	1	100	X				
Blk	X	2	100	X				
LCS	X	3	100	X	Acceptance Criteria 80-120			
LCSD	X	4	100	X	Acceptance Criteria 80-120			
QC	X	5	100	X	Acceptance Criteria 80-120			
250692503	7	6	50	2	Color/Odor			
250692505	3	7	50	2	Color/Odor			
250692506	8	8	50	2	Color/Odor			
250694101	8	9	100	X				
250694102	8	10	100	X				
Blk	X	11	100	X				
250694103	2	12	100	X				
250694104	2	13	100	X				
250694105	2	14	100	X				
250695601	1	15	100	X				
250695602	1	16	100	X				
250695603	1	17	100	X				
250695604	1	18	50	2	Color			
250695605	1	19	100	X				
695605ms	1	20	100	X	Acceptance Criteria 75-125			
695606sd	1	21	100	X	Acceptance Criteria 75-125			
Blk	X	22	100	X				

ORION M1

BeakerNbr
1

BeakerNbr
2

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	3	6/14/2007	15:22	1:pH	1	5.43	3		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	15:25	1:pH	2	3		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
43155	0.416	130.1	4.5	0.1

Cont. Blk

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	4	6/14/2007	15:27	1:pH	1	4.63	4		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	15:30	1:pH	2	4		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
0.6066	0.061	130.1	4.5	0.455

Blk

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	5	6/14/2007	15:32	1:pH	1	9.7	5		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	15:33	1:pH	2	5		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
54.78	5.478	130.1	4.5	0.196

LCS

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	6	6/14/2007	15:37	1:pH	1	9.69	6		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test

2506956

_____	6/14/2007	15:38	1:pH		2	6	_____	8	_____

Endpoints 1

Result	Vol	mV	pH	Excess Titre
52.45	5.245	130.1	4.5	0.429

LCS

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
_____	7	6/14/2007	15:42	1:pH	1	9.69	7	_____	5	_____

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
_____	6/14/2007	15:43	1:pH	2	7	_____	8	_____

Endpoints 1

Result	Vol	mV	pH	Excess Titre
52.13	5.213	130.1	4.5	0.462

GC

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
_____	8	6/14/2007	15:47	1:pH	1	7.02	692503	_____	5	_____

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
_____	6/14/2007	15:50	1:pH	2	692503	_____	8	_____

Endpoints 1

Result	Vol	mV	pH	Excess Titre
182.7	18.271	130.1	4.5	0.299

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
_____	9	6/14/2007	16:00	1:pH	1	6.95	692505	_____	5	_____

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
_____	6/14/2007	16:03	1:pH	2	692505	_____	8	_____

Endpoints 1

Result	Vol	mV	pH	Excess Titre
98.06	9.806	130.1	4.5	0.511

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
_____	10	6/14/2007	16:09	1:pH	1	6.99	692506	_____	5	_____

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
_____	6/14/2007	16:11	1:pH	2	692506	_____	8	_____

Endpoints 1

Result	Vol	mV	pH	Excess Titre
303.6	30.356	130.1	4.5	0.078

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	11	6/14/2007	16:27	1:pH	1	5.63	694101		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	16:28	1:pH	2	694101		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
12.19	1.219	130.1	4.5	0.328

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	12	6/14/2007	16:30	1:pH	1	5.46	694102		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	16:31	1:pH	2	694102		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
18.14	1.814	130.1	4.5	0.25

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	13	6/14/2007	16:34	1:pH	1	5.13	13		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	16:36	1:pH	2	13		8	

Endpoints 1

Blk

Result	Vol	mV	pH	Excess Titre
3.208	0.321	130.1	4.5	0.195

BeakerNbr
1

BeakerNbr
2

2506956

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	3	6/14/2007	17:00	1:pH	1	5.66	694103		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	17:03	1:pH	2	694103		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
46.51	4.651	130.2	4.5	0.508

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	4	6/14/2007	17:06	1:pH	1	5.63	694104		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	17:08	1:pH	2	694104		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
42.15	4.215	130.2	4.5	0.428

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	5	6/14/2007	17:11	1:pH	1	5.5	694105		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	17:13	1:pH	2	694105		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
18.49	1.849	130.2	4.5	0.214

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	6	6/14/2007	17:15	1:pH	1	5.4	695601		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	17:17	1:pH	2	695601		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
13.79	1.379	130.2	4.5	0.169

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test

	7	6/14/2007	17:19	1:pH	1	5.67	695602			5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	17:20	1:pH	2	695602		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
47.26	4.726	130.2	4.5	0.432

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	8	6/14/2007	17:24	1:pH	1	5.63	695603		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	17:26	1:pH	2	695603		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
57.76	5.776	130.2	4.5	0.414

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	9	6/14/2007	17:30	1:pH	1	5.54	695604		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	17:31	1:pH	2	695604		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
13.48	1.348	130.2	4.5	0.2

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	10	6/14/2007	17:33	1:pH	1	5.48	695605		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	17:35	1:pH	2	695605		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
22.71	2.271	130.2	4.5	0.308

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	11	6/14/2007	17:38	1:pH	1	6.02	695605		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	17:39	1:pH	2	695605		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
68.8	6.88	130.2	4.5	0.341

YS

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	12	6/14/2007	17:43	1:pH	1	6.04	695605		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	17:45	1:pH	2	695605		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
68.91	6.891	130.2	4.5	0.331

SD

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	13	6/14/2007	17:49	1:pH	1	5.03	13		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/14/2007	17:51	1:pH	2	13		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
2.905	0.29	130.2	4.5	0.225

Blk.

2506956

Alkalinity
Method 310.1

Instrument ID Orion M1

Analyst:	EJB
Date:	6/15/07
Time:	11:30:00

Sequence #	ALK061507
Batch #	14547

Reagents:

Sulfuric Acid (0.02N)		Buffer pH 4		Buffer pH 7	
IS#	12858	IS#	16908	IS#	16907
Lot#	1604536	Lot#	A7016	Lot#	A7023
Exp. Date	4/30/08	Exp. Date	1/31/09	Exp. Date	1/31/11

Standards

QC (50 ppm) (2 mL into 100 mL of DI)		**LCS** (50 ppm) (2 mL into 100 mL of DI)		**MS** (50 ppm) (2 mL into 100 mL)	
IS#	16186	IS#	16185	IS#	16185
Lot#	6058	Lot#	6058	Lot#	6058
Exp. Date	8/31/07	Exp. Date	8/31/07	Exp. Date	8/31/07

Sample ID	,Container #	Position #	Vol. (mL)	Dilution	Notes			
Corr. Blk	` X	1	100	X				
Blk	X	2	100	X				
LCS	X	3	100	X	Acceptance Criteria 80-120			
LCSD	X	4	100	X	Acceptance Criteria 80-120			
QC	X	5	100	X	Acceptance Criteria 80-120			
250694105	1	6	100	X				
250694106	1	7	25	4	Color			
250695301	1	8	100	X				
250695302	5	9	100	X				
250695303	5	10	100	X				
Blk	X	11	100	X				
250695304	5	12	100	X				
250695305	4	13	100	X				
250695306	1	14	100	X				
250695307	5	15	100	X				
250695308	1	16	100	X				
250695309	1	17	100	X				
250695310	5	18	100	X				
695310ms	5	19	100	X	Acceptance Criteria 75-125			
695310sd	5	20	100	X	Acceptance Criteria 75-125			
Blk	X	21	100	X				

56

6/18/07

BeakerNbr
1

BeakerNbr
2

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	3	6/15/2007	11:55	1:pH	1	5.35	3		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/15/2007	11:57	1:pH	2	3		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
3.616	0.362	129.1	4.5	0.154

Cont. Blk.

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	4	6/15/2007	11:59	1:pH	1	4.58	4		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/15/2007	12:01	1:pH	2	4		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
0.5089	0.051	129.1	4.5	0.465

Blk

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	5	6/15/2007	12:03	1:pH	1	9.93	5		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/15/2007	12:04	1:pH	2	5		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
54.59	5.459	129.1	4.5	0.216

LCS

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	6	6/15/2007	12:08	1:pH	1	9.88	6		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test

2506956

_____	6/15/2007	12:09	1:pH	2	6	_____	8	_____

Endpoints 1

Result	Vol	mV	pH	Excess Titre
52.78	5.278	129.1	4.5	0.396

LCSD

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
_____	7	6/15/2007	12:13	1:pH	1	9.87	7	_____	5	_____

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
_____	6/15/2007	12:15	1:pH	2	7	_____	8	_____

Endpoints 1

Result	Vol	mV	pH	Excess Titre
52.42	5.242	129.1	4.5	0.433

GC

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
_____	8	6/15/2007	12:19	1:pH	1	5.49	694105	_____	5	_____

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
_____	6/15/2007	12:21	1:pH	2	694105	_____	8	_____

Endpoints 1

Result	Vol	mV	pH	Excess Titre
46.71	4.671	129.1	4.5	0.488

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
_____	9	6/15/2007	12:25	1:pH	1	5.52	694106	_____	5	_____

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
_____	6/15/2007	12:27	1:pH	2	694106	_____	8	_____

Endpoints 1

Result	Vol	mV	pH	Excess Titre
8.855	0.886	129.1	4.5	0.146

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
_____	10	6/15/2007	12:29	1:pH	1	5.29	695301	_____	5	_____

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
_____	6/15/2007	12:30	1:pH	2	695301	_____	8	_____

Endpoints 1

Result	Vol	mV	pH	Excess Titre
10.16	1.016	129.1	4.5	0.016

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	11	6/15/2007	12:32	1:pH	1	5.72	695302		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/15/2007	12:33	1:pH	2	695302		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
23.93	2.393	129.1	4.5	0.186

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	12	6/15/2007	12:36	1:pH	1	6.23	695303		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/15/2007	12:38	1:pH	2	695303		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
93.34	9.334	129.1	4.5	0.467

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	13	6/15/2007	12:43	1:pH	1	5.11	13		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/15/2007	12:46	1:pH	2	13		8	

Endpoints 1

BlK

Result	Vol	mV	pH	Excess Titre
3.193	0.319	129.1	4.5	0.197

BeakerNbr
1

BeakerNbr
2

2506956

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	3	6/15/2007	14:05	1:pH	1	6.11	695304		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/15/2007	14:08	1:pH	2	695304		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
39.31	3.931	129.4	4.5	0.196

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	4	6/15/2007	14:12	1:pH	1	6.64	695305		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/15/2007	14:14	1:pH	2	695305		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
73.05	7.305	129.4	4.5	0.432

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	5	6/15/2007	14:19	1:pH	1	5.4	695306		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/15/2007	14:20	1:pH	2	695306		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
13.91	1.391	129.4	4.5	0.157

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	6	6/15/2007	14:22	1:pH	1	5.02	695307		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/15/2007	14:23	1:pH	2	695307		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
4.927	0.493	129.4	4.5	0.023

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test

	7	6/15/2007	14:25	1:pH	1	6.29	695308		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/15/2007	14:27	1:pH	2	695308		8	

Endpoints	1			
Result	Vol	mV	pH	Excess Titre
88.5	8.85	129.4	4.5	0.435

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	8	6/15/2007	14:33	1:pH	1	5.25	695309		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/15/2007	14:34	1:pH	2	695309		8	

Endpoints	1			
Result	Vol	mV	pH	Excess Titre
3.576	0.358	129.4	4.5	0.158

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	9	6/15/2007	14:36	1:pH	1	4.99	695310		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/15/2007	14:37	1:pH	2	695310		8	

Endpoints	1			
Result	Vol	mV	pH	Excess Titre
3.097	0.31	129.4	4.5	0.206

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	10	6/15/2007	14:39	1:pH	1	9.88	695310		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/15/2007	14:41	1:pH	2	695310		8	

Endpoints	1			
Result	Vol	mV	pH	Excess Titre
52.5	5.25	129.4	4.5	0.425

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	11	6/15/2007	14:44	1:pH	1	9.9	695310		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
_____	6/15/2007	14:46	1:pH	2	695310	_____	8	_____

Endpoints 1

Result	Vol	mV	pH	Excess Titre
55.24	5.524	129.4	4.5	0.151

MSD

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
_____	12	6/15/2007	14:50	1:pH	1	4.69	12	_____	5	_____

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
_____	6/15/2007	14:51	1:pH	2	12	_____	8	_____

Endpoints 1

Result	Vol	mV	pH	Excess Titre
1.184	0.118	129.4	4.5	0.397

Blk

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
_____	13	6/15/2007	14:53	1						

2506956

Total Organic Carbon (Aqueous)
Method 415.1/9060

Instrument ID TOC-1 | TOC-2

Analyst:	EJB
Date:	6/26/07
Time:	8:50:00

Sequence #	TOC062607
Batch #	
Curve Date	61107

Reagents:

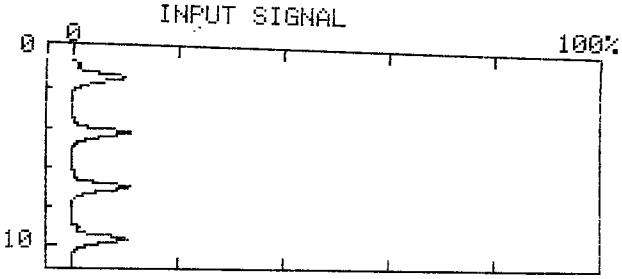
Phosphoric acid (25%)		Hydrochloric acid (2N)		Sodium Hydroxide	
IS#	12858	IS#	13453	IS#	11916
Lot#	1604536	Lot#	6030	Lot#	45340608
Exp. Date	4/30/08	Exp. Date	7/31/07	Exp. Date	4/13/10

Standards

ICV (10 ppm) (1mL into 100 mL of DI)		**CCV/LCS** (10 ppm) (1mL into 100 mL of DI)		**MS** (5 ppm) (250 uL into 50 mL)	
IS#	18632	IS#	13944	IS#	13944
Lot#	7067	Lot#	6170	Lot#	6170
Exp. Date	4/30/08	Exp. Date	7/31/07	Exp. Date	7/31/07

QC (25 ppm) (2.5mL into 100 mL of DI)		**CRDL** (2 ppm) (0.2mL into 100 mL of DI)	
IS#	18632	IS#	18632
Lot#	7067	Lot#	7067
Exp. Date	4/30/08	Exp. Date	4/30/08

Sample ID	Container #	Position #	Dilution	Notes				
CRDL	X	1	X		Acceptance Criteria 80-120			
QC	X	2	X		Acceptance Criteria 80-120			
ICV	X	3	X		Acceptance Criteria 80-120			
ICB	X	4	X					
MB	X	5	X					
LCS	X	6	X		Acceptance Criteria 75-125			
LCSD	X	7	X		Acceptance Criteria 75-125			
250695601	2	8	5	Odor				
695601ms	2	9	5	Odor	Acceptance Criteria 75-125			
695601sd	2	10	5	Odor	Acceptance Criteria 75-125			
250695602	2	11	5	Odor				
250685603	2	12	5	Odor				
CCV	X	13	X		Acceptance Criteria 75-125			
CCB	X	14	X					
250695604	2	15	5	Suspended solids - Filtered				
250695605	2	16	5	Odor				
250695606	2	17	5	Odor				
250695607	2	18	5	Sediment in bottle - Filtered				
CCV	X	19	X		Acceptance Criteria 75-125			
CCB	X	20	X					



TIME [min]

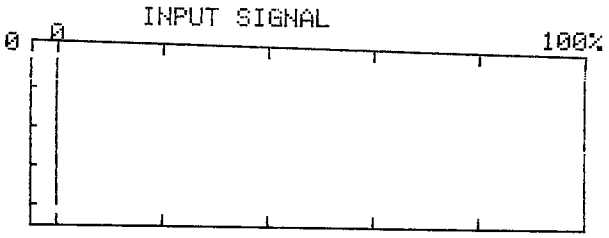
SAMPLE# 2 TC VIAL: 2
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	6063	21.80			
2	6253	22.50			
3	6172	22.20			
4	6192	22.28			
MN	6170	22.20			
SD	79	0.292			
CV	1.28 %				

COR CONC DIL 22.20 [x 1.0]
COR CONC INJ 22.20 [x 1.0]

GC

DATE 06(JUN)-26-2007 09:52



TIME [min]

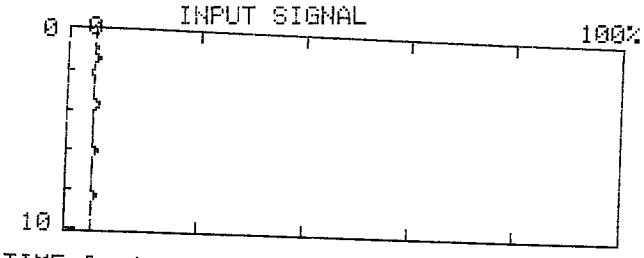
SAMPLE# 2 IC VIAL: 2
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 2 TOC(TC-IC) 22.80 PPM

DATE 06(JUN)-26-2007 10:02



TIME [min]

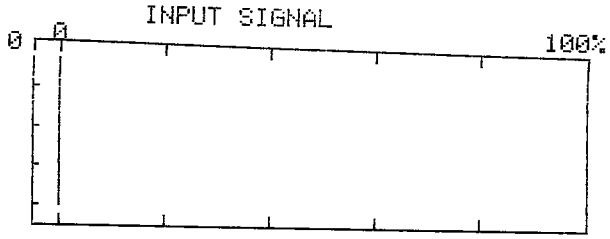
SAMPLE# 1 TC VIAL: 1
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	280	0.450			
2	378	0.812			
3	380	0.819			
4	349	0.705			
MN	346	0.697			
SD	46	0.172			
CV	13.4 %				

COR CONC DIL 0.697 [x 1.0]
COR CONC INJ 0.697 [x 1.0]

CRDL

DATE 06(JUN)-26-2007 09:29



TIME [min]

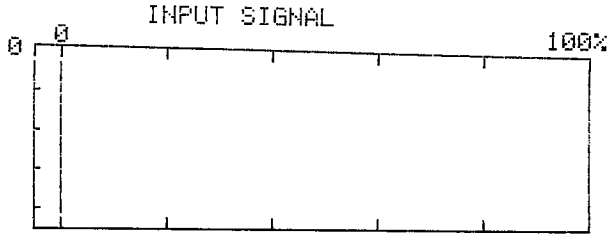
SAMPLE# 1 IC VIAL: 1
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 1 TOC(TC-IC) 1.297 PPM

DATE 06(JUN)-26-2007 09:38



TIME [min]

SAMPLE# 4 TC VIAL: 4
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.58			
2	0	-0.58			
3	0	-0.58			
4	0	-0.58			
MN	0	-0.58			
SD	0	0.000			
CV	0.00 %				

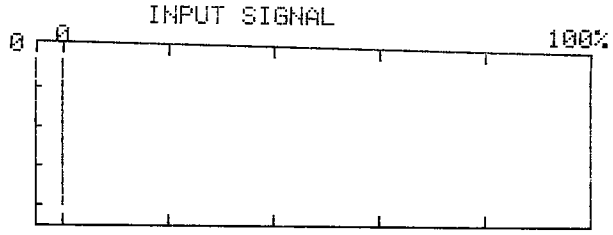
COR CONC DIL -0.58 [x 1.0]
COR CONC INJ -0.58 [x 1.0]

DATE 06(JUN)-26-2007 10:37

BSS 6/26/07

MB

ICB



TIME [min]

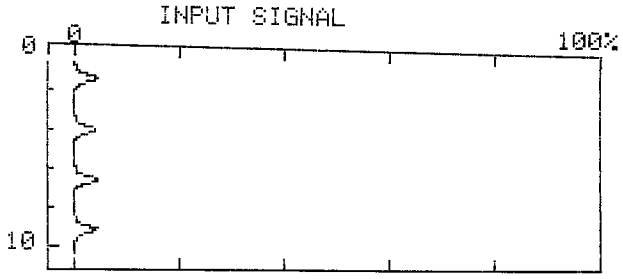
SAMPLE# 4 IC VIAL: 4
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 4 TOC(TC-IC) 0.020 PPM

DATE 06(JUN)-26-2007 10:47



TIME [min]

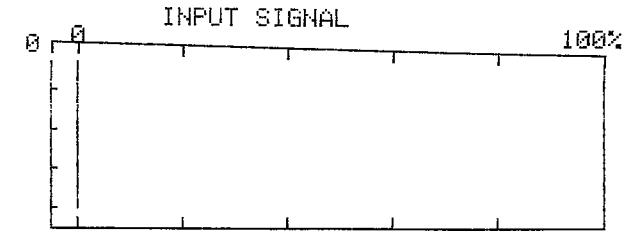
SAMPLE# 3 TC VIAL: 3
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	2465	8.518			
2	2576	8.928			
3	2610	9.054			
4	2645	9.183			
MN	2574	8.921			
SD	77	0.287			
CV	3.02 %				

COR CONC DIL 8.921 [x 1.0]
COR CONC INJ 8.921 [x 1.0]

DATE 06(JUN)-26-2007 10:16

ICV



TIME [min]

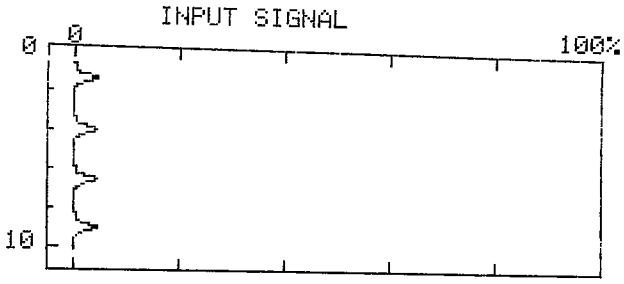
SAMPLE# 3 IC VIAL: 3
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 3 TOC(TC-IC) 9.521 PPM

DATE 06(JUN)-26-2007 10:26



TIME [min]

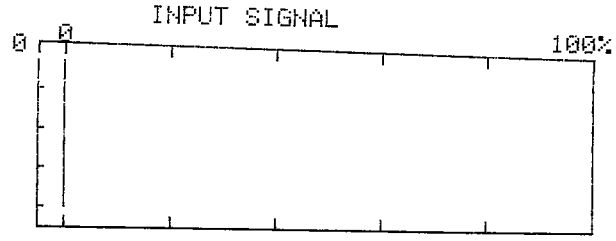
SAMPLE# 6 TC VIAL: 6
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	ppm	C#	µl	RG
1	2476	8.559			
2	2525	8.740			
3	2512	8.692			
4	2559	8.866			
MN	2518	8.714			
SD	34	0.126			
CV	1.36 %				

COR CONC DIL 8.714 [x 1.0]
COR CONC INJ 8.714 [x 1.0]

LCS

DATE 06(JUN)-26-2007 11:22



TIME [min]

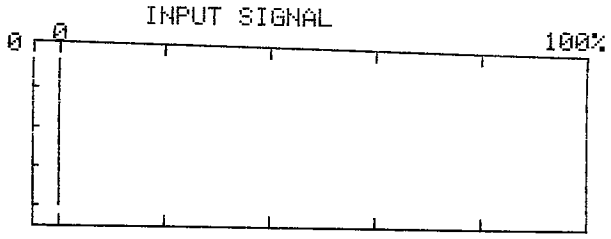
SAMPLE# 5 TC VIAL: 5
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	ppm	C#	µl	RG
1	0	-0.58			
2	0	-0.58			
3	0	-0.58			
4	0	-0.58			
MN	0	-0.58			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.58 [x 1.0]
COR CONC INJ -0.58 [x 1.0]

MB

DATE 06(JUN)-26-2007 10:59



TIME [min]

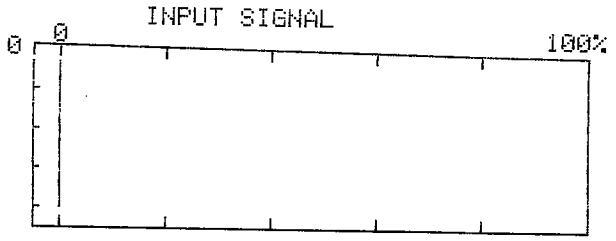
SAMPLE# 6 IC VIAL: 6
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	ppm	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 6 TOC(TC-IC) 9.314 ppm

DATE 06(JUN)-26-2007 11:32



TIME [min]

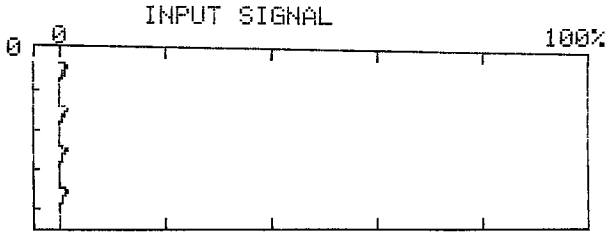
SAMPLE# 5 IC VIAL: 5
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	ppm	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 5 TOC(TC-IC) 0.020 ppm

DATE 06(JUN)-26-2007 11:09



TIME [min]

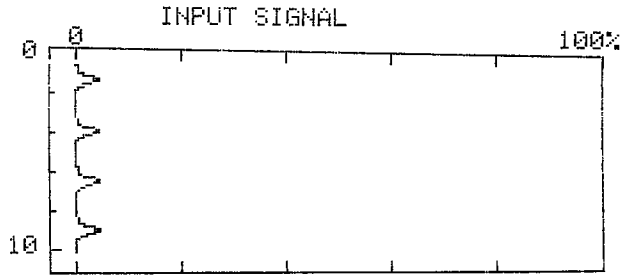
SAMPLE# 8 TC VIAL: 8
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	992	3.079			
2	912	2.784			
3	894	2.717			
4	920	2.813			
MN	929	2.848			
SD	43	0.159			
CV	4.63 %				

COR CONC DIL 2.848 [x 1.0]
COR CONC INJ 2.848 [x 1.0]

6956-01
@5x

DATE 06(JUN)-26-2007 12:07



TIME [min]

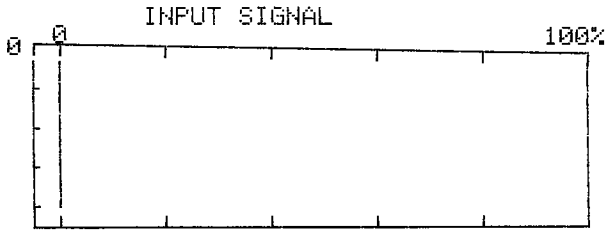
SAMPLE# 7 TC VIAL: 7
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	2533	8.770			
2	2590	8.980			
3	2619	9.087			
4	2614	9.069			
MN	2589	8.976			
SD	39	0.145			
CV	1.52 %				

COR CONC DIL 8.976 [x 1.0]
COR CONC INJ 8.976 [x 1.0]

LCSD

DATE 06(JUN)-26-2007 11:46



TIME [min]

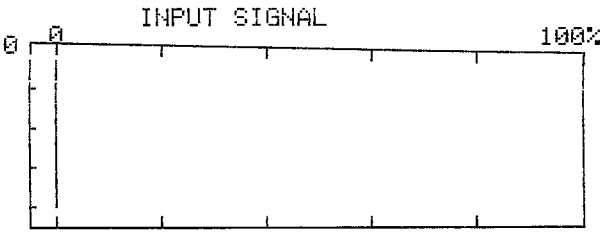
SAMPLE# 8 IC VIAL: 8
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 8 TOC(TC-IC) 3.448 PPM

DATE 06(JUN)-26-2007 12:18



TIME [min]

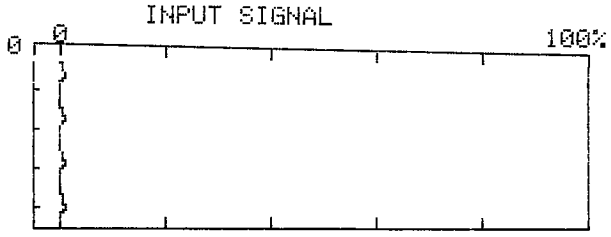
SAMPLE# 7 IC VIAL: 7
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 7 TOC(TC-IC) 9.576 PPM

DATE 06(JUN)-26-2007 11:56



TIME [min]

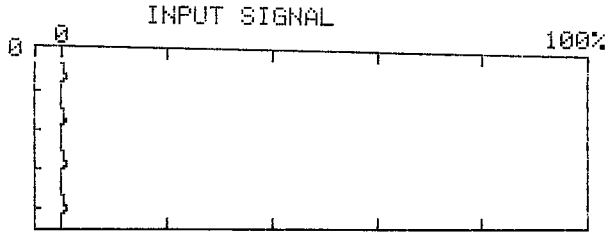
SAMPLE# 10 TC VIAL: 10
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	820	2.444			
2	812	2.415			
3	787	2.322			
4	780	2.296			
MN	799	2.369			
SD	19	0.071			

CV 2.40 %
COR CONC DIL 2.369 [x 1.0]
COR CONC INJ 2.369 [x 1.0]

6956-01 SD

DATE 06(JUN)-26-2007 12:52



TIME [min]

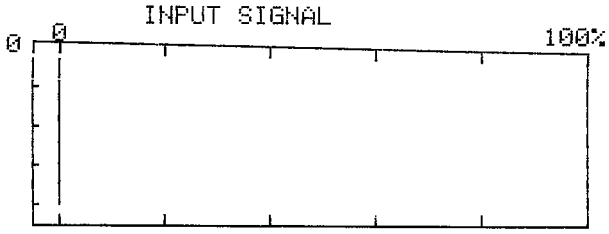
SAMPLE# 9 TC VIAL: 9
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	787	2.322			
2	820	2.444			
3	808	2.400			
4	813	2.418			
MN	807	2.396			
SD	14	0.052			

CV 1.76 %
COR CONC DIL 2.396 [x 1.0]
COR CONC INJ 2.396 [x 1.0]

6956-01 MS

DATE 06(JUN)-26-2007 12:29



TIME [min]

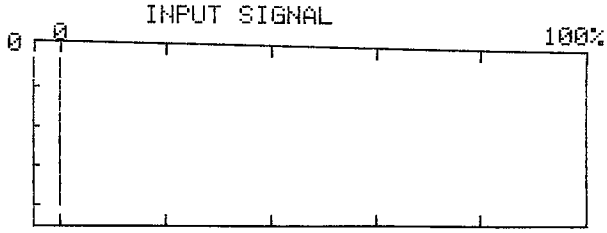
SAMPLE# 10 IC VIAL: 10
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			

CV 0.00 %
COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 10 TOC(TC-IC) 2.969 PPM

DATE 06(JUN)-26-2007 13:02



TIME [min]

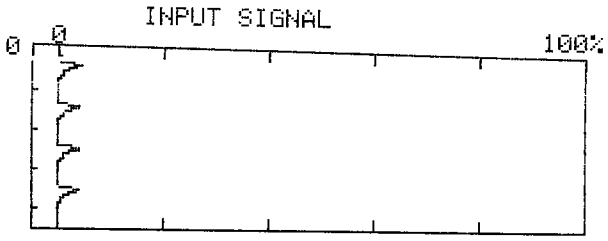
SAMPLE# 9 IC VIAL: 9
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			

CV 0.00 %
COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 9 TOC(TC-IC) 2.996 PPM

DATE 06(JUN)-26-2007 12:40



TIME [min]

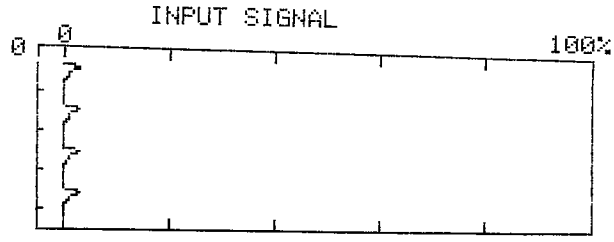
SAMPLE# 12 TC VIAL: 12
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	1857	6.273			
2	1775	5.971			
3	1748	5.871			
4	1772	5.959			
MN	1788	6.019			
SD	47	0.175			
CV	2.65 %				

COR CONC DIL 6.019 [x 1.0]
COR CONC INJ 6.019 [x 1.0]

6956-03

DATE 06(JUN)-26-2007 13:35



TIME [min]

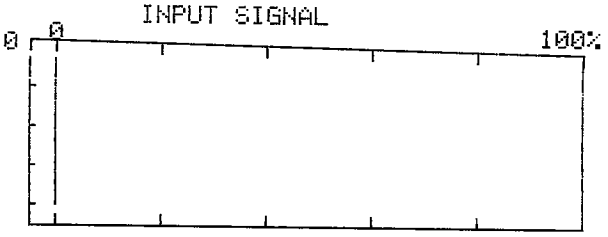
SAMPLE# 11 TC VIAL: 11
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	1549	5.136			
2	1427	4.685			
3	1407	4.612			
4	1428	4.689			
MN	1452	4.781			
SD	64	0.239			
CV	4.46 %				

COR CONC DIL 4.781 [x 1.0]
COR CONC INJ 4.781 [x 1.0]

6956-02

DATE 06(JUN)-26-2007 13:13



TIME [min]

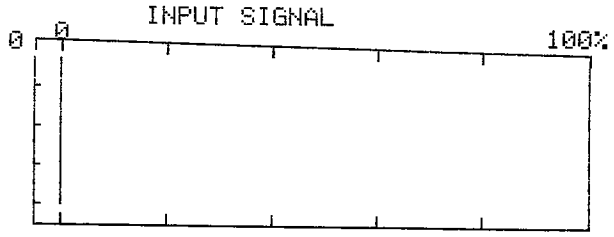
SAMPLE# 12 IC VIAL: 12
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 12 TOC(TC-IC) 6.619 PPM

DATE 06(JUN)-26-2007 13:45



TIME [min]

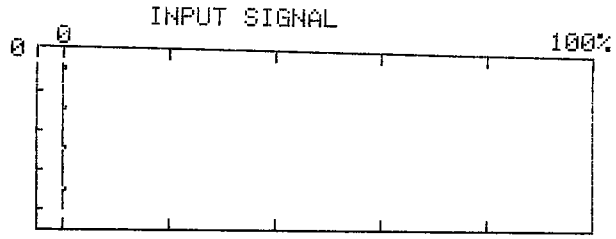
SAMPLE# 11 IC VIAL: 11
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 11 TOC(TC-IC) 5.381 PPM

DATE 06(JUN)-26-2007 13:23



TIME [min]

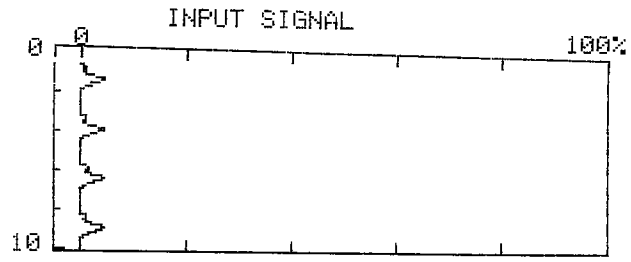
SAMPLE# 14 TC VIAL: 14
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	ppm	C#	µl	RG
1	0	-0.58			
2	0	-0.58			
3	0	-0.58			
4	149	-0.03			
MN	37	-0.44			
SD	74	0.275			
CV	200 %				

COR CONC DIL -0.44 [x 1.0]
COR CONC INJ -0.44 [x 1.0]

CCB

DATE 06(JUN)-26-2007 14:21



TIME [min]

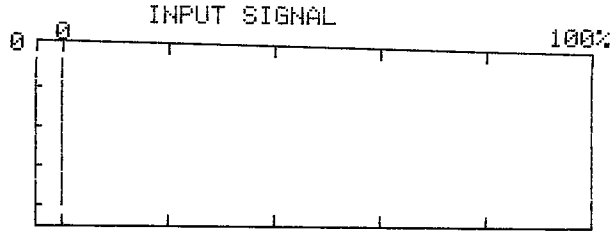
SAMPLE# 13 TC VIAL: 13
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	ppm	C#	µl	RG
1	2671	9.279			
2	2722	9.467			
3	2862	9.984			
4	2822	9.837			
MN	2769	9.642			
SD	88	0.325			
CV	3.18 %				

COR CONC DIL 9.642 [x 1.0]
COR CONC INJ 9.642 [x 1.0]

CCV

DATE 06(JUN)-26-2007 13:58



TIME [min]

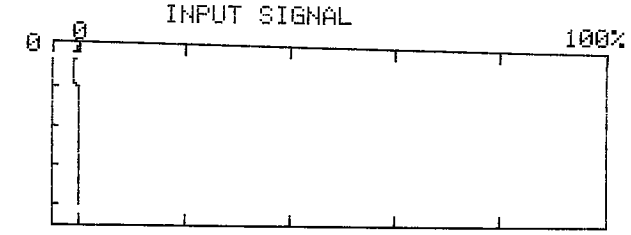
SAMPLE# 14 IC VIAL: 14
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	ppm	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 14 TOC(TC-IC) 0.160 ppm

DATE 06(JUN)-26-2007 14:31



TIME [min]

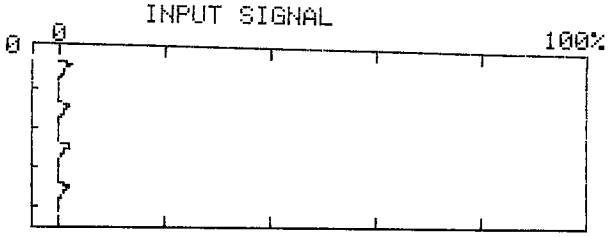
SAMPLE# 13 IC VIAL: 13
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	ppm	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 13 TOC(TC-IC) 10.24 ppm

DATE 06(JUN)-26-2007 14:10



TIME [min]

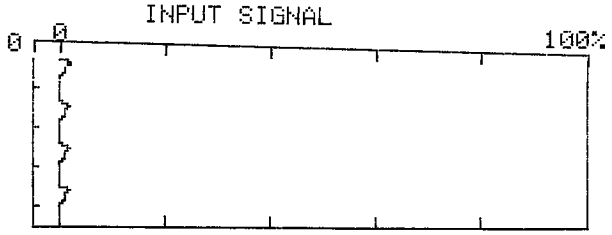
SAMPLE# 16 TC VIAL: 16
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	1213	3.895			
2	1144	3.640			
3	1157	3.688			
4	1156	3.685			
MN	1167	3.727			
SD	30	0.114			
CV	2.64 %				

COR CONC DIL 3.727 [x 1.0]
COR CONC INJ 3.727 [x 1.0]

6956-05

DATE 06(JUN)-26-2007 15:03



TIME [min]

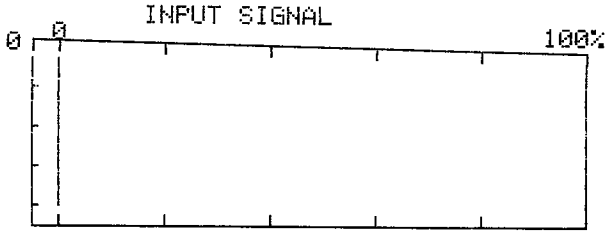
SAMPLE# 15 TC VIAL: 15
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	1257	4.058			
2	1144	3.640			
3	1154	3.677			
4	1160	3.700			
MN	1178	3.769			
SD	52	0.194			
CV	4.46 %				

COR CONC DIL 3.769 [x 1.0]
COR CONC INJ 3.769 [x 1.0]

6956-04

DATE 06(JUN)-26-2007 14:42



TIME [min]

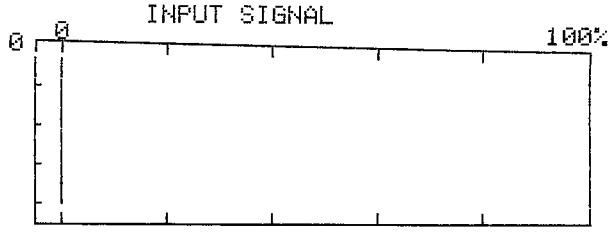
SAMPLE# 16 IC VIAL: 16
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 16 TOC(TC-IC) 4.327 PPM

DATE 06(JUN)-26-2007 15:12



TIME [min]

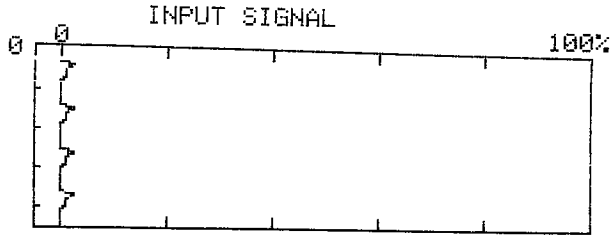
SAMPLE# 15 IC VIAL: 15
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 15 TOC(TC-IC) 4.369 PPM

DATE 06(JUN)-26-2007 14:52



TIME [min]

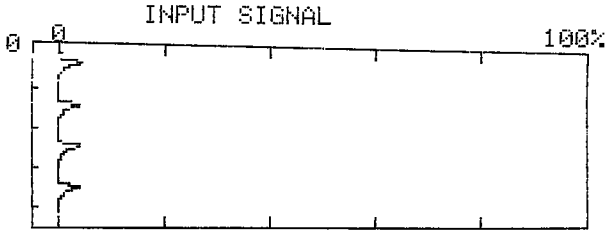
SAMPLE# 18 TC VIAL: 18
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	1427	4.685			
2	1421	4.663			
3	1372	4.482			
4	1371	4.479			
MN	1397	4.577			
SD	30	0.112			
CV	2.17 %				

COR CONC DIL 4.577 [x 1.0]
COR CONC INJ 4.577 [x 1.0]

6966-07

DATE 06(JUN)-26-2007 15:45



TIME [min]

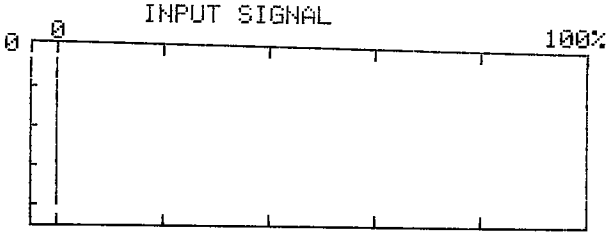
SAMPLE# 17 TC VIAL: 17
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	1886	6.380			
2	1780	5.989			
3	1774	5.967			
4	1799	6.059			
MN	1809	6.099			
SD	51	0.191			
CV	2.86 %				

COR CONC DIL 6.099 [x 1.0]
COR CONC INJ 6.099 [x 1.0]

6966-01

DATE 06(JUN)-26-2007 15:24



TIME [min]

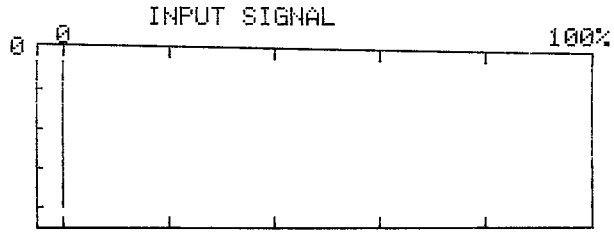
SAMPLE# 18 IC VIAL: 18
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 18 TOC(TC-IC) 5.177 PPM

DATE 06(JUN)-26-2007 15:56



TIME [min]

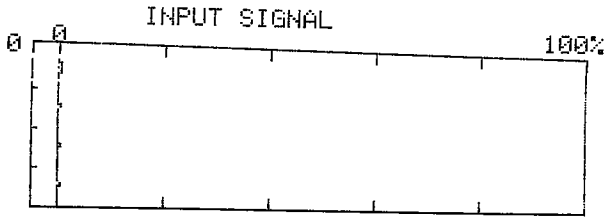
SAMPLE# 17 IC VIAL: 17
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 17 TOC(TC-IC) 6.699 PPM

DATE 06(JUN)-26-2007 15:34



TIME [min]

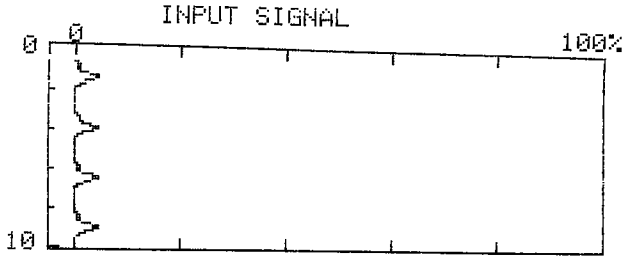
SAMPLE# 20 TC VIAL: 20
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	ppm	C#	µl	RG
1	327	0.624			
2	316	0.583			
3	321	0.601			
4	300	0.524			
MN	316	0.583			
SD	11	0.042			
CV	3.66 %				

COR CONC DIL 0.583 [x 1.0]
COR CONC INJ 0.583 [x 1.0]

CC3

DATE 06(JUN)-26-2007 16:30



TIME [min]

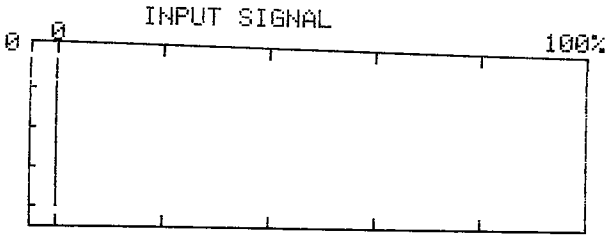
SAMPLE# 19 TC VIAL: 19
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	ppm	C#	µl	RG
1	2659	9.235			
2	2724	9.475			
3	2721	9.464			
4	2698	9.379			
MN	2700	9.388			
SD	30	0.110			
CV	1.11 %				

COR CONC DIL 9.388 [x 1.0]
COR CONC INJ 9.388 [x 1.0]

CCJ

DATE 06(JUN)-26-2007 16:09



TIME [min]

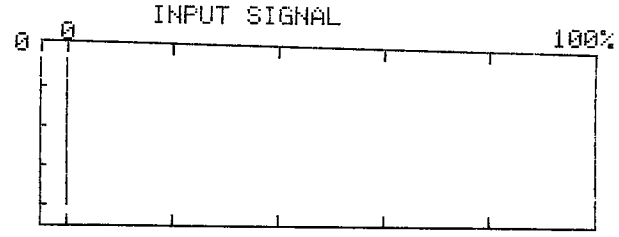
SAMPLE# 20 IC VIAL: 20
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	ppm	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 20 TOC(TC-IC) 1.183 ppm

DATE 06(JUN)-26-2007 16:40



TIME [min]

SAMPLE# 19 IC VIAL: 19
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	ppm	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 19 TOC(TC-IC) 9.988 ppm

DATE 06(JUN)-26-2007 16:19

STANDARDS LOG

Methods: 310.1, 415.1

SDG No.: 2506956

STANDARD LOT	ID	MFG LOT	MANUFACTURER	EXPIRATION DATE	FINAL VOLUME	CREATED/RECEIVED	BY
13944 - 57301	9060W_SPK	6170	VWR	7/31/2007 12:00:00 PM	500 mL	8/3/2006 10:00:16 AM	EBAT

1000 mg/L: TOC, TOC AVERAGE, Dissolved Organic Carbon

STANDARD LOT	ID	MFG LOT	MANUFACTURER	EXPIRATION DATE	FINAL VOLUME	CREATED/RECEIVED	BY
16186 - 58602	310.1_SPK	6058	VWR	3/31/2007 12:00:00 PM	1000 mL	12/20/2006 10:17:44 AM	EBAT

2500 mg/L: Alkalinity (Total), Alkalinity (Bicarbonate)

STANDARD LOT	ID	MFG LOT	MANUFACTURER	EXPIRATION DATE	FINAL VOLUME	CREATED/RECEIVED	BY
18632 - 60701	9060W_LCS	7067	VWR	4/30/2008 12:00:00 PM	500 mL	5/16/2007 4:20:53 PM	EBAT

1000 mg/L: TOC, TOC AVERAGE, Dissolved Organic Carbon

PEL Laboratories, Inc.

Customer Name:	CH2M Hill
Date and Time Received:	6/9/2007 10:10:00 AM
Date Reported:	6/28/2007
Laboratory Submission Number/SDG:	2506964
Project:	NTC Orlando / TO-5

Samples: The submission consisted of 11 samples with sample identification shown in the attached data tables.

Tests: The samples were analyzed for the methods listed on the attached table of contents.

Results: See the attached data tables for results.

Distribution of Report to:

CH2M Hill
Attn: Kama White
Phone: W 770-604-9182
F 770-604-9282

Respectfully Submitted,

Brian Spann
Laboratory Manager
PEL Laboratories, Inc.

Note: Submitted material will be retained for 30 days unless otherwise requested by client or consumed in analysis. PEL letters and reports are f the exclusive use of the client to whom they are addressed. Our Letters and reports apply to the sample tested and are not necessarily indicative c the qualities of apparently identical or similar materials

4420 Pendola Point Road • Tampa, Florida 33619
(813)247-2805 • FAX: (813)248-1537
Website: www.pelab.com

Organics 5
METHOD 8260 GC/ MS VOLATILE ORGANICS 8
Sample Data 15
QC Summary 38
Standards Data 62
METHOD FL-PRO GC FL- PRO ORGANICS 79
Sample Data 86
QC Summary 90
Standards Data 98

Inorganics..... 109
METALS DATA PACKAGE TOTALS 112
Sample Data 116
QC Summary 120
WET CHEMISTRY DATA PACKAGE TOTALS..... 139
Sample Data 150
QC Summary 156

Chain of Custody Documentation..... 183

Addendum 190

Appendix 197
Raw Data Method 8260 ..... AO-1
Raw Data Method FL PRO AO-622
Raw Data Inorganics/Metals..... AI-1
Raw Data Inorganics/Wet Chemistry.....AI-63

EXECUTIVE SUMMARY - Detection Highlights

2506964

SAMPLE ID: TO05EB1BL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Toluene	0.76 J	1	UG/L	SW8260B

SAMPLE ID: TO05FD02BL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Residue, Filterable (TDS	85000	30000	UG/L	E160.1
Alkalinity (Total)	13100	1500	UG/L	E310.1
TOC	27900	5520	UG/L	E415.1
Sodium	8320	540	UG/L	SW6010B
1,1,2-Trichloroethane	0.61 J	1.7	UG/L	SW8260B
1,1-Dichloroethene	0.92 J	1.1	UG/L	SW8260B
Benzene	1.4	1	UG/L	SW8260B
Chlorobenzene	4.4	1	UG/L	SW8260B
Ethylbenzene	0.38 J	1	UG/L	SW8260B
Tetrachloroethene	20.8	1.7	UG/L	SW8260B
Toluene	0.95 J	1	UG/L	SW8260B
trans-1,2-Dichloroethene	0.51 J	1.2	UG/L	SW8260B
Vinyl chloride	36.1	1.4	UG/L	SW8260B
TPH	170 J	376	UG/L	FL-PRO

SAMPLE ID: TO05FD02BLDL1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
cis-1,2-Dichloroethene	52.5	20.4	UG/L	SW8260B
Trichloroethene	1120	23.4	UG/L	SW8260B

SAMPLE ID: TO05MW39BBL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
cis-1,2-Dichloroethene	7.5	1	UG/L	SW8260B
Tetrachloroethene	2.3	1.7	UG/L	SW8260B
Trichloroethene	39.3	1.2	UG/L	SW8260B

280607 1339

EXECUTIVE SUMMARY - Detection Highlights

2506964

Vinyl chloride	2.2	1.4	UG/L	SW8260B

SAMPLE ID: TO05MW40ABL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Residue, Filterable (TDS	88000	30000	UG/L	E160.1
Alkalinity (Total)	3190	1500	UG/L	E310.1
TOC	19200 N	5520	UG/L	E415.1
Sodium	9260	540	UG/L	SW6010B
Benzene	0.62 J	1	UG/L	SW8260B
Chlorobenzene	4.6	1	UG/L	SW8260B
cis-1,2-Dichloroethene	26.9	1	UG/L	SW8260B
Tetrachloroethene	5.1	1.7	UG/L	SW8260B
trans-1,2-Dichloroethene	0.71 J	1.2	UG/L	SW8260B
Vinyl chloride	6.1	1.4	UG/L	SW8260B

SAMPLE ID: TO05MW40ABLDL1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Trichloroethene	135	5.8	UG/L	SW8260B

SAMPLE ID: TO05MW40BBL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Residue, Filterable (TDS	74000	30000	UG/L	E160.1
Alkalinity (Total)	13100	1500	UG/L	E310.1
TOC	26900	5520	UG/L	E415.1
Sodium	8230	540	UG/L	SW6010B
1,1,2-Trichloroethane	0.7 J	1.7	UG/L	SW8260B
1,1-Dichloroethene	1.2	1.1	UG/L	SW8260B
Benzene	1.5	1	UG/L	SW8260B
Chlorobenzene	4	1	UG/L	SW8260B
Ethylbenzene	0.46 J	1	UG/L	SW8260B
Tetrachloroethene	22.6	1.7	UG/L	SW8260B
Toluene	1.1	1	UG/L	SW8260B
trans-1,2-Dichloroethene	0.54 J	1.2	UG/L	SW8260B

280607 1339

EXECUTIVE SUMMARY - Detection Highlights

2506964

Vinyl chloride	40.6	1.4	UG/L	SW8260B
TPH	140 J	364	UG/L	FL-PRO

SAMPLE ID: TO05MW40BBLDL1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
cis-1,2-Dichloroethene	81.5	20.4	UG/L	SW8260B

SAMPLE ID: TO05MW40BBLDL2

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Trichloroethene	1740	58.5	UG/L	SW8260B

SAMPLE ID: TO05MW41BBL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Benzene	1.9	1	UG/L	SW8260B
cis-1,2-Dichloroethene	0.42 J	1	UG/L	SW8260B
Trichloroethene	3	1.2	UG/L	SW8260B
Vinyl chloride	0.64 J	1.4	UG/L	SW8260B
Xylene (total)	0.62 J	3	UG/L	SW8260B

SAMPLE ID: TO05MW44ABL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Alkalinity (Total)	48600	1500	UG/L	E310.1
TOC	18900	5520	UG/L	E415.1

280607 1339

EXECUTIVE SUMMARY - Detection Highlights

2506964

SAMPLE ID: TO05MW44BBL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Alkalinity (Total)	18200	1500	UG/L	E310.1
TOC	31900	5520	UG/L	E415.1

280607 1339

Organics

280607 1339

Organic Data Qualifiers

U Indicates the analyte was analyzed for but not detected. The number adjacent to the "U" qualifier indicates the reporting limit for that analyte. The reporting limit can vary from sample to sample depending on dilution factors or the percent moisture adjustment when indicated.

J Indicates estimated value. It is used when the data indicates the presence of an analyte above the method detection limit (MDL) yet lower than the reporting limit.

B Indicates the analyte was found in the associated blank as well as in the sample. The notation indicates possible contamination of the sample.

E Indicates the value reported is above the highest calibration standard for that analyte. The sample should be analyzed at an appropriate dilution. "E" qualified values are estimations and the diluted result may be reported on another Form 1.

D Indicates the analyte has been identified in a dilution reanalysis. "D" qualifiers are used for samples that have been analyzed at a lesser dilution than required for accurate quantitation.

C The "C" qualifier indicates the presence of this analyte has been confirmed by GC/MS analysis.

P This qualifier is used for pesticide / Aroclor target analytes where there is greater than 25% difference for the detected concentration between the two GC columns.

N This qualifier indicates presumptive evidence of an analyte. This qualifier is only used for tentatively identified compounds (TIC), where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the "N" qualifier is not used.

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

X Data flagged as rejected by analyst utilizing analytical judgement.

280607 1339

Organic Sample ID Qualifiers

The qualifiers that may be appended to the lab sample ID and/or the client sample ID for organic analysis are defined below:

DL Diluted reanalysis. Indicates that the results of the original analysis of the sample contained compounds that exceeded the calibration range. The sample was diluted and reanalyzed. May be followed by a digit to indicate multiple dilutions of the sample. The results of more than one diluted reanalysis may be reported.

R Reanalysis. The extract was reanalyzed without re-extraction. The "R" is not used if the sample was also re-extracted. May be followed by a digit to indicate multiple reanalysis of the sample at the same dilution.

RE Re-extracted. The extract was reanalyzed with re-extraction. May be followed by a digit to indicate multiple re-extraction of the same sample at the same dilution.

MS Matrix spike (may be followed by a digit to indicate multiple matrix within a sample set).

SD Matrix spike duplicate (may be followed by a digit to indicate multiple matrix spike duplicate within a sample set).

GC/MS VOLATILE ORGANICS

METHOD 8260

280607 1339

CASE NARRATIVE
GC/MS VOLATILE ORGANICS

PEL Lab Reference No./SDG: 2506964

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

EPA 8260B/SW846

IV. PREPARATION

Water samples were prepared by SW846/5030 for EPA8260B volatiles analysis. All aspects of sample preparation proceeded without exception.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

PEL does not analyze a low calibration standard at the requested RL for all analytes. The low calibration standard is 1 UG/L for Bromodichloromethane.

B. Blanks:

All acceptance criteria were met.

C. Surrogates:

All acceptance criteria were met.

D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met with the exception of:

LCS 061807LCSA32D was analyzed with the water samples on 06/18/07. All percent recovery criteria were met. The following analyte exceeded RPD criteria: 1,1,2-Trichlorotrifluoroethane at 23 % with criteria of (20). No further action was required. Samples coded accordingly.

PEL Lab Reference No./SDG: 2506964

Client: CH2M Hill

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

A client requested MS/SD set was analyzed. It should be noted that the parent sample required a 1:10 dilution. The spikes were only analyzed and are reported at this dilution. All percent recovery and relative percent difference (RPD) criteria were met with the exception of:

MS - TO0540AMSBLDL1 was analyzed with the water samples on 06/15/07. The following analyte was recovered above criteria: 1,1,2,2-Tetrachloroethane at 104 % with criteria of (85-100).

SD - TO0540AMSDBLDL1 was analyzed with the water samples on 06/15/07. The following analyte was recovered below criteria: Bromomethane at 78 % with criteria of (83-120) and the following analyte was recovered above criteria: 1,1,2,2-Tetrachloroethane at 103 % with criteria of (85-100).

No further action was required. Samples coded accordingly.

E. Internal Standards:

All acceptance criteria were met.

F. Samples:

Sample analysis proceeded normally. Client specified reporting limits were used.

Sample TO05FD02BL required a 1:20 dilution due to high concentrations of the following analyte(s): cis-1,2-Dichloroethene, Trichloroethene. Both full and diluted runs are reported.

Sample TO05MW40ABL required a 1:5 dilution due to a high concentration of Trichloroethene. Both full and diluted runs are reported.

Sample TO05MW40BBL required a 1:20 and a 1:50 dilution due to high concentrations of the following analyte(s): cis-1,2-Dichloroethene, Trichloroethene. The full and both diluted runs are reported.

Analytes were detected in Equipment Blank TO05EB1BL. The following analyte was detected below RL: Toluene at 0.76 UG/L.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

CASE NARRATIVE
GC/MS VOLATILE ORGANICS

PEL Lab Reference No./SDG: 2506964

Client: CH2M Hill

SIGNED: **DATE:** **06/20/2007**

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CASE NARRATIVE
GC/MS VOLATILE ORGANICS

PEL Lab Reference No./SDG: 2506964

Client: CH2M Hill

MANUAL INTEGRATION SUMMARY

The following analytes were manually integrated by the chemist.

Calibration Sample: CCV521863 Analyte: 4-Methyl-2-pentanone Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV522029 Analyte: 4-Methyl-2-pentanone Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC521881 Analyte: 4-Methyl-2-pentanone Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD521866 Analyte: 4-Methyl-2-pentanone Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD521867 Analyte: 4-Methyl-2-pentanone Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD521877 Analyte: 4-Methyl-2-pentanone Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD521878 Analyte: 4-Methyl-2-pentanone Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD521879 Analyte: 4-Methyl-2-pentanone Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD521880 Analyte: 4-Methyl-2-pentanone Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD522032 Analyte: 4-Methyl-2-pentanone Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD522034 Analyte: 4-Methyl-2-pentanone Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD522036 Analyte: 4-Methyl-2-pentanone Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD522038 Analyte: 4-Methyl-2-pentanone Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD522039 Analyte: 4-Methyl-2-pentanone Reason: Baseline integration, needs re-enforced due to interference on target peak

These manual integrations have been reviewed and meet all criteria in accordance with PEL's SOP regarding manual integration.

CASE NARRATIVE
GC/MS VOLATILE ORGANICS

PEL Lab Reference No./SDG: 2506964

Client: CH2M Hill

CHEMIST: **DATE:** **06/20/2007**

SECTION LEADER: **DATE:** **06/20/2007**

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VOLATILE ORGANIC CROSS REFERENCE TABLE

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Method: 8260

EPA Sample No	Lab Sample ID
TO05MW40ABL	250696401
TO05MW40ABLDL1	250696401DL1
TO05MW40BBL	250696404
TO05MW40BBLDL1	250696404DL1
TO05MW40BBLDL2	250696404DL2
TO05FD02BL	250696405
TO05FD02BLDL1	250696405DL1
TO05MW41BBL	250696406
TO05MW39BBL	250696409
TO05EB1BL	250696410
TO05TB2BL	250696411

280607 1339

Sample Data

280607 1339

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW40ABL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696401 Lab File ID: 96401.D

Sample wt/vol: 5 Units: ML Date Received: 06/09/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/15/07 Time: 1633

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: OLD-OU2-40A Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	1.7	U
74-87-3	Chloromethane	1.5	U
75-01-4	Vinyl chloride	6.1	
74-83-9	Bromomethane	1.5	U
75-00-3	Chloroethane	2.8	U
75-69-4	Trichlorofluoromethane	1.5	U
75-35-4	1,1-Dichloroethene	1.1	U
75-15-0	Carbon disulfide	1.1	U
75-09-2	Methylene chloride	1.4	U
156-60-5	trans-1,2-Dichloroethene	0.71	J
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	18	U
156-59-2	cis-1,2-Dichloroethene	26.9	
74-97-5	Bromochloromethane	2.2	U
78-93-3	2-Butanone	6.6	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1.5	U
71-43-2	Benzene	0.62	J
107-06-2	1,2-Dichloroethane	1.3	U
79-01-6	Trichloroethene	147	E
78-87-5	1,2-Dichloropropane	1.6	U
75-27-4	Bromodichloromethane	0.44	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW40ABL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696401 Lab File ID: 96401.D

Sample wt/vol: 5 Units: ML Date Received: 06/09/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/15/07 Time: 1633

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: OLD-OU2-40A Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
79-00-5	1,1,2-Trichloroethane	1.7	U
127-18-4	Tetrachloroethene	5.1	
591-78-6	2-Hexanone	5.1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	4.6	
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1.5	U
75-25-2	Bromoform	1.9	U
98-82-8	Isopropylbenzene (Cumene)	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	2.4	U
120-82-1	1,2,4-Trichlorobenzene	1.5	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1330-20-7	Xylene (total)	3	U
1634-04-4	MTBE	1.2	U
76-13-1	1,1,2-Trichlorotrifluoroethane	2.4	U
108-87-2	Methyl Cyclohexane	1.9	U
79-20-9	Methyl Acetate	7.2	U
110-82-7	Cyclohexane	1	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW40ABLDL1

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696401DL1 Lab File ID: 96401D.D

Sample wt/vol: 5 Units: ML Date Received: 06/09/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/15/07 Time: 1239

PercentSolids: 0 decanted : Dilution Factor: 5

Extraction: PURGETRAP Station ID: OLD-OU2-40A Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	8.4	U
74-87-3	Chloromethane	7.4	U
75-01-4	Vinyl chloride	6.9	U
74-83-9	Bromomethane	7.4	U
75-00-3	Chloroethane	14.2	U
75-69-4	Trichlorofluoromethane	7.4	U
75-35-4	1,1-Dichloroethene	5.6	U
75-15-0	Carbon disulfide	5.7	U
75-09-2	Methylene chloride	6.8	U
156-60-5	trans-1,2-Dichloroethene	5.8	U
75-34-3	1,1-Dichloroethane	5	U
67-64-1	Acetone	90	U
156-59-2	cis-1,2-Dichloroethene	22.6	
74-97-5	Bromochloromethane	11.1	U
78-93-3	2-Butanone	33	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	7.6	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	6.6	U
79-01-6	Trichloroethene	135	
78-87-5	1,2-Dichloropropane	8	U
75-27-4	Bromodichloromethane	2.2	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	25	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5.8	U

280607 1339

Form I

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW40ABLDL1

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696401DL1 Lab File ID: 96401D.D

Sample wt/vol: 5 Units: ML Date Received: 06/09/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/15/07 Time: 1239

PercentSolids: 0 decanted : Dilution Factor: 5

Extraction: PURGETRAP Station ID: OLD-OU2-40A Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
79-00-5	1,1,2-Trichloroethane	8.6	U
127-18-4	Tetrachloroethene	5.2	J
591-78-6	2-Hexanone	25.5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane(EDB)	5	U
108-90-7	Chlorobenzene	4.3	J
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	7.5	U
75-25-2	Bromoform	9.3	U
98-82-8	Isopropylbenzene (Cumene)	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5.6	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5.7	U
96-12-8	1,2-Dibromo-3-chloropropane	11.8	U
120-82-1	1,2,4-Trichlorobenzene	7.6	U
87-61-6	1,2,3-Trichlorobenzene	5	U
1330-20-7	Xylene (total)	15	U
1634-04-4	MTBE	6	U
76-13-1	1,1,2-Trichlorotrifluoroethane	11.8	U
108-87-2	Methyl Cyclohexane	9.6	U
79-20-9	Methyl Acetate	36	U
110-82-7	Cyclohexane	5	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW40BBL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696404 Lab File ID: 96404.D

Sample wt/vol: 5 Units: ML Date Received: 06/09/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/15/07 Time: 1656

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: OLD-OU2-40B Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	1.7	U
74-87-3	Chloromethane	1.5	U
75-01-4	Vinyl chloride	40.6	
74-83-9	Bromomethane	1.5	U
75-00-3	Chloroethane	2.8	U
75-69-4	Trichlorofluoromethane	1.5	U
75-35-4	1,1-Dichloroethene	1.2	
75-15-0	Carbon disulfide	1.1	U
75-09-2	Methylene chloride	1.4	U
156-60-5	trans-1,2-Dichloroethene	0.54	J
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	18	U
156-59-2	cis-1,2-Dichloroethene	91.8	E
74-97-5	Bromochloromethane	2.2	U
78-93-3	2-Butanone	6.6	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1.5	U
71-43-2	Benzene	1.5	
107-06-2	1,2-Dichloroethane	1.3	U
79-01-6	Trichloroethene	2120	E
78-87-5	1,2-Dichloropropane	1.6	U
75-27-4	Bromodichloromethane	0.44	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1.1	
10061-02-6	trans-1,3-Dichloropropene	1.2	U

280607 1339

Form I

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW40BBL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696404 Lab File ID: 96404.D

Sample wt/vol: 5 Units: ML Date Received: 06/09/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/15/07 Time: 1656

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: OLD-OU2-40B Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
79-00-5	1,1,2-Trichloroethane	0.7	J
127-18-4	Tetrachloroethene	22.6	
591-78-6	2-Hexanone	5.1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	4	
100-41-4	Ethylbenzene	0.46	J
100-42-5	Styrene	1.5	U
75-25-2	Bromoform	1.9	U
98-82-8	Isopropylbenzene (Cumene)	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	2.4	U
120-82-1	1,2,4-Trichlorobenzene	1.5	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1330-20-7	Xylene (total)	3	U
1634-04-4	MTBE	1.2	U
76-13-1	1,1,2-Trichlorotrifluoroethane	2.4	U
108-87-2	Methyl Cyclohexane	1.9	U
79-20-9	Methyl Acetate	7.2	U
110-82-7	Cyclohexane	1	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW40BBLDL1

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696404DL1 Lab File ID: 96404D.D

Sample wt/vol: 5 Units: ML Date Received: 06/09/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/15/07 Time: 1459

PercentSolids: 0 decanted : Dilution Factor: 20

Extraction: PURGETRAP Station ID: OLD-OU2-40B Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	33.6	U
74-87-3	Chloromethane	29.4	U
75-01-4	Vinyl chloride	16.5	J
74-83-9	Bromomethane	29.4	U
75-00-3	Chloroethane	57	U
75-69-4	Trichlorofluoromethane	29.4	U
75-35-4	1,1-Dichloroethene	22.2	U
75-15-0	Carbon disulfide	22.8	U
75-09-2	Methylene chloride	27	U
156-60-5	trans-1,2-Dichloroethene	23.4	U
75-34-3	1,1-Dichloroethane	20	U
67-64-1	Acetone	360	U
156-59-2	cis-1,2-Dichloroethene	81.5	
74-97-5	Bromochloromethane	44.4	U
78-93-3	2-Butanone	132	U
67-66-3	Chloroform	20	U
71-55-6	1,1,1-Trichloroethane	20	U
56-23-5	Carbon tetrachloride	30.6	U
71-43-2	Benzene	20	U
107-06-2	1,2-Dichloroethane	26.4	U
79-01-6	Trichloroethene	2020	E
78-87-5	1,2-Dichloropropane	31.8	U
75-27-4	Bromodichloromethane	8.8	U
10061-01-5	cis-1,3-Dichloropropene	20	U
108-10-1	4-Methyl-2-pentanone	100	U
108-88-3	Toluene	20	U
10061-02-6	trans-1,3-Dichloropropene	23.4	U

280607 1339

Form I

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW40BBLDL1

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696404DL1 Lab File ID: 96404D.D

Sample wt/vol: 5 Units: ML Date Received: 06/09/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/15/07 Time: 1459

PercentSolids: 0 decanted : Dilution Factor: 20

Extraction: PURGETRAP Station ID: OLD-OU2-40B Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
79-00-5	1,1,2-Trichloroethane	34.2	U
127-18-4	Tetrachloroethene	17	J
591-78-6	2-Hexanone	102	U
124-48-1	Dibromochloromethane	20	U
106-93-4	1,2-Dibromoethane(EDB)	20	U
108-90-7	Chlorobenzene	20	U
100-41-4	Ethylbenzene	20	U
100-42-5	Styrene	30	U
75-25-2	Bromoform	37.2	U
98-82-8	Isopropylbenzene (Cumene)	20	U
79-34-5	1,1,2,2-Tetrachloroethane	22.2	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
95-50-1	1,2-Dichlorobenzene	22.8	U
96-12-8	1,2-Dibromo-3-chloropropane	47.4	U
120-82-1	1,2,4-Trichlorobenzene	30.6	U
87-61-6	1,2,3-Trichlorobenzene	20	U
1330-20-7	Xylene (total)	60	U
1634-04-4	MTBE	24	U
76-13-1	1,1,2-Trichlorotrifluoroethane	47.4	U
108-87-2	Methyl Cyclohexane	38.4	U
79-20-9	Methyl Acetate	144	U
110-82-7	Cyclohexane	20	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW40BBLDL2

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696404DL2 Lab File ID: 96404D1.D

Sample wt/vol: 5 Units: ML Date Received: 06/09/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/18/07 Time: 1942

PercentSolids: 0 decanted : Dilution Factor: 50

Extraction: PURGETRAP Station ID: OLD-OU2-40B Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	84	U
74-87-3	Chloromethane	73.5	U
75-01-4	Vinyl chloride	69	U
74-83-9	Bromomethane	73.5	U
75-00-3	Chloroethane	142	U
75-69-4	Trichlorofluoromethane	73.5	U
75-35-4	1,1-Dichloroethene	55.5	U
75-15-0	Carbon disulfide	57	U
75-09-2	Methylene chloride	67.5	U
156-60-5	trans-1,2-Dichloroethene	58.5	U
75-34-3	1,1-Dichloroethane	50	U
67-64-1	Acetone	900	U
156-59-2	cis-1,2-Dichloroethene	66.9	
74-97-5	Bromochloromethane	111	U
78-93-3	2-Butanone	330	U
67-66-3	Chloroform	50	U
71-55-6	1,1,1-Trichloroethane	50	U
56-23-5	Carbon tetrachloride	76.5	U
71-43-2	Benzene	50	U
107-06-2	1,2-Dichloroethane	66	U
79-01-6	Trichloroethene	1740	
78-87-5	1,2-Dichloropropane	79.5	U
75-27-4	Bromodichloromethane	22	U
10061-01-5	cis-1,3-Dichloropropene	50	U
108-10-1	4-Methyl-2-pentanone	250	U
108-88-3	Toluene	50	U
10061-02-6	trans-1,3-Dichloropropene	58.5	U

280607 1339

Form I

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW40BBLDL2

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696404DL2 Lab File ID: 96404D1.D

Sample wt/vol: 5 Units: ML Date Received: 06/09/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/18/07 Time: 1942

PercentSolids: 0 decanted : Dilution Factor: 50

Extraction: PURGETRAP Station ID: OLD-OU2-40B Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
79-00-5	1,1,2-Trichloroethane	85.5	U
127-18-4	Tetrachloroethene	85.5	U
591-78-6	2-Hexanone	255	U
124-48-1	Dibromochloromethane	50	U
106-93-4	1,2-Dibromoethane(EDB)	50	U
108-90-7	Chlorobenzene	50	U
100-41-4	Ethylbenzene	50	U
100-42-5	Styrene	75	U
75-25-2	Bromoform	93	U
98-82-8	Isopropylbenzene (Cumene)	50	U
79-34-5	1,1,2,2-Tetrachloroethane	55.5	U
541-73-1	1,3-Dichlorobenzene	50	U
106-46-7	1,4-Dichlorobenzene	50	U
95-50-1	1,2-Dichlorobenzene	57	U
96-12-8	1,2-Dibromo-3-chloropropane	118	U
120-82-1	1,2,4-Trichlorobenzene	76.5	U
87-61-6	1,2,3-Trichlorobenzene	50	U
1330-20-7	Xylene (total)	150	U
1634-04-4	MTBE	60	U
76-13-1	1,1,2-Trichlorotrifluoroethane	118	U
108-87-2	Methyl Cyclohexane	96	U
79-20-9	Methyl Acetate	360	U
110-82-7	Cyclohexane	50	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05FD02BL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696405 Lab File ID: 96405.D

Sample wt/vol: 5 Units: ML Date Received: 06/09/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/15/07 Time: 1720

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: OLD-OU2-40B Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	1.7	U
74-87-3	Chloromethane	1.5	U
75-01-4	Vinyl chloride	36.1	
74-83-9	Bromomethane	1.5	U
75-00-3	Chloroethane	2.8	U
75-69-4	Trichlorofluoromethane	1.5	U
75-35-4	1,1-Dichloroethene	0.92	J
75-15-0	Carbon disulfide	1.1	U
75-09-2	Methylene chloride	1.4	U
156-60-5	trans-1,2-Dichloroethene	0.51	J
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	18	U
156-59-2	cis-1,2-Dichloroethene	85.5	E
74-97-5	Bromochloromethane	2.2	U
78-93-3	2-Butanone	6.6	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1.5	U
71-43-2	Benzene	1.4	
107-06-2	1,2-Dichloroethane	1.3	U
79-01-6	Trichloroethene	1960	E
78-87-5	1,2-Dichloropropane	1.6	U
75-27-4	Bromodichloromethane	0.44	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	0.95	J
10061-02-6	trans-1,3-Dichloropropene	1.2	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05FD02BL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696405 Lab File ID: 96405.D

Sample wt/vol: 5 Units: ML Date Received: 06/09/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/15/07 Time: 1720

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: OLD-OU2-40B Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
79-00-5	1,1,2-Trichloroethane	0.61	J
127-18-4	Tetrachloroethene	20.8	
591-78-6	2-Hexanone	5.1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	4.4	
100-41-4	Ethylbenzene	0.38	J
100-42-5	Styrene	1.5	U
75-25-2	Bromoform	1.9	U
98-82-8	Isopropylbenzene (Cumene)	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	2.4	U
120-82-1	1,2,4-Trichlorobenzene	1.5	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1330-20-7	Xylene (total)	3	U
1634-04-4	MTBE	1.2	U
76-13-1	1,1,2-Trichlorotrifluoroethane	2.4	U
108-87-2	Methyl Cyclohexane	1.9	U
79-20-9	Methyl Acetate	7.2	U
110-82-7	Cyclohexane	1	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05FD02BLDL1

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696405DL1 Lab File ID: 96405D.D

Sample wt/vol: 5 Units: ML Date Received: 06/09/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/15/07 Time: 1436

PercentSolids: 0 decanted : Dilution Factor: 20

Extraction: PURGETRAP Station ID: OLD-OU2-40B Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	33.6	U
74-87-3	Chloromethane	29.4	U
75-01-4	Vinyl chloride	27.6	U
74-83-9	Bromomethane	29.4	U
75-00-3	Chloroethane	57	U
75-69-4	Trichlorofluoromethane	29.4	U
75-35-4	1,1-Dichloroethene	22.2	U
75-15-0	Carbon disulfide	22.8	U
75-09-2	Methylene chloride	27	U
156-60-5	trans-1,2-Dichloroethene	23.4	U
75-34-3	1,1-Dichloroethane	20	U
67-64-1	Acetone	360	U
156-59-2	cis-1,2-Dichloroethene	52.5	
74-97-5	Bromochloromethane	44.4	U
78-93-3	2-Butanone	132	U
67-66-3	Chloroform	20	U
71-55-6	1,1,1-Trichloroethane	20	U
56-23-5	Carbon tetrachloride	30.6	U
71-43-2	Benzene	20	U
107-06-2	1,2-Dichloroethane	26.4	U
79-01-6	Trichloroethene	1120	
78-87-5	1,2-Dichloropropane	31.8	U
75-27-4	Bromodichloromethane	8.8	U
10061-01-5	cis-1,3-Dichloropropene	20	U
108-10-1	4-Methyl-2-pentanone	100	U
108-88-3	Toluene	20	U
10061-02-6	trans-1,3-Dichloropropene	23.4	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05FD02BLDL1

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696405DL1 Lab File ID: 96405D.D

Sample wt/vol: 5 Units: ML Date Received: 06/09/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/15/07 Time: 1436

PercentSolids: 0 decanted : Dilution Factor: 20

Extraction: PURGETRAP Station ID: OLD-OU2-40B Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
79-00-5	1,1,2-Trichloroethane	34.2	U
127-18-4	Tetrachloroethene	34.2	U
591-78-6	2-Hexanone	102	U
124-48-1	Dibromochloromethane	20	U
106-93-4	1,2-Dibromoethane(EDB)	20	U
108-90-7	Chlorobenzene	5.7	J
100-41-4	Ethylbenzene	20	U
100-42-5	Styrene	30	U
75-25-2	Bromoform	37.2	U
98-82-8	Isopropylbenzene (Cumene)	20	U
79-34-5	1,1,2,2-Tetrachloroethane	22.2	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
95-50-1	1,2-Dichlorobenzene	22.8	U
96-12-8	1,2-Dibromo-3-chloropropane	47.4	U
120-82-1	1,2,4-Trichlorobenzene	30.6	U
87-61-6	1,2,3-Trichlorobenzene	20	U
1330-20-7	Xylene (total)	60	U
1634-04-4	MTBE	24	U
76-13-1	1,1,2-Trichlorotrifluoroethane	47.4	U
108-87-2	Methyl Cyclohexane	38.4	U
79-20-9	Methyl Acetate	144	U
110-82-7	Cyclohexane	20	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW41BBL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696406 Lab File ID: 96406.D

Sample wt/vol: 5 Units: ML Date Received: 06/09/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/15/07 Time: 1412

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: OLD-OU2-41B Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	1.7	U
74-87-3	Chloromethane	1.5	U
75-01-4	Vinyl chloride	0.64	J
74-83-9	Bromomethane	1.5	U
75-00-3	Chloroethane	2.8	U
75-69-4	Trichlorofluoromethane	1.5	U
75-35-4	1,1-Dichloroethene	1.1	U
75-15-0	Carbon disulfide	1.1	U
75-09-2	Methylene chloride	1.4	U
156-60-5	trans-1,2-Dichloroethene	1.2	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	18	U
156-59-2	cis-1,2-Dichloroethene	0.42	J
74-97-5	Bromochloromethane	2.2	U
78-93-3	2-Butanone	6.6	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1.5	U
71-43-2	Benzene	1.9	
107-06-2	1,2-Dichloroethane	1.3	U
79-01-6	Trichloroethene	3	
78-87-5	1,2-Dichloropropane	1.6	U
75-27-4	Bromodichloromethane	0.44	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U

280607 1339

Form I

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW41BBL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696406 Lab File ID: 96406.D

Sample wt/vol: 5 Units: ML Date Received: 06/09/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/15/07 Time: 1412

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: OLD-OU2-41B Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
79-00-5	1,1,2-Trichloroethane	1.7	U
127-18-4	Tetrachloroethene	1.7	U
591-78-6	2-Hexanone	5.1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1.5	U
75-25-2	Bromoform	1.9	U
98-82-8	Isopropylbenzene (Cumene)	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	2.4	U
120-82-1	1,2,4-Trichlorobenzene	1.5	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1330-20-7	Xylene (total)	0.62	J
1634-04-4	MTBE	1.2	U
76-13-1	1,1,2-Trichlorotrifluoroethane	2.4	U
108-87-2	Methyl Cyclohexane	1.9	U
79-20-9	Methyl Acetate	7.2	U
110-82-7	Cyclohexane	1	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW39BBL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696409 Lab File ID: 96409.D

Sample wt/vol: 5 Units: ML Date Received: 06/09/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/15/07 Time: 1349

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: OLD-OU2-39B Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	1.7	U
74-87-3	Chloromethane	1.5	U
75-01-4	Vinyl chloride	2.2	
74-83-9	Bromomethane	1.5	U
75-00-3	Chloroethane	2.8	U
75-69-4	Trichlorofluoromethane	1.5	U
75-35-4	1,1-Dichloroethene	1.1	U
75-15-0	Carbon disulfide	1.1	U
75-09-2	Methylene chloride	1.4	U
156-60-5	trans-1,2-Dichloroethene	1.2	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	18	U
156-59-2	cis-1,2-Dichloroethene	7.5	
74-97-5	Bromochloromethane	2.2	U
78-93-3	2-Butanone	6.6	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1.5	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1.3	U
79-01-6	Trichloroethene	39.3	
78-87-5	1,2-Dichloropropane	1.6	U
75-27-4	Bromodichloromethane	0.44	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U

280607 1339

Form I

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW39BBL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696409 Lab File ID: 96409.D

Sample wt/vol: 5 Units: ML Date Received: 06/09/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/15/07 Time: 1349

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: OLD-OU2-39B Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
79-00-5	1,1,2-Trichloroethane	1.7	U
127-18-4	Tetrachloroethene	2.3	
591-78-6	2-Hexanone	5.1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1.5	U
75-25-2	Bromoform	1.9	U
98-82-8	Isopropylbenzene (Cumene)	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	2.4	U
120-82-1	1,2,4-Trichlorobenzene	1.5	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1330-20-7	Xylene (total)	3	U
1634-04-4	MTBE	1.2	U
76-13-1	1,1,2-Trichlorotrifluoroethane	2.4	U
108-87-2	Methyl Cyclohexane	1.9	U
79-20-9	Methyl Acetate	7.2	U
110-82-7	Cyclohexane	1	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05EB1BL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696410 Lab File ID: 96410.D

Sample wt/vol: 5 Units: ML Date Received: 06/09/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/15/07 Time: 1325

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Equipment Blk Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	1.7	U
74-87-3	Chloromethane	1.5	U
75-01-4	Vinyl chloride	1.4	U
74-83-9	Bromomethane	1.5	U
75-00-3	Chloroethane	2.8	U
75-69-4	Trichlorofluoromethane	1.5	U
75-35-4	1,1-Dichloroethene	1.1	U
75-15-0	Carbon disulfide	1.1	U
75-09-2	Methylene chloride	1.4	U
156-60-5	trans-1,2-Dichloroethene	1.2	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	18	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	2.2	U
78-93-3	2-Butanone	6.6	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1.5	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1.3	U
79-01-6	Trichloroethene	1.2	U
78-87-5	1,2-Dichloropropane	1.6	U
75-27-4	Bromodichloromethane	0.44	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	0.76	J
10061-02-6	trans-1,3-Dichloropropene	1.2	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05EB1BL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696410 Lab File ID: 96410.D

Sample wt/vol: 5 Units: ML Date Received: 06/09/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/15/07 Time: 1325

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Equipment Blk Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
79-00-5	1,1,2-Trichloroethane	1.7	U
127-18-4	Tetrachloroethene	1.7	U
591-78-6	2-Hexanone	5.1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1.5	U
75-25-2	Bromoform	1.9	U
98-82-8	Isopropylbenzene (Cumene)	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	2.4	U
120-82-1	1,2,4-Trichlorobenzene	1.5	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1330-20-7	Xylene (total)	3	U
1634-04-4	MTBE	1.2	U
76-13-1	1,1,2-Trichlorotrifluoroethane	2.4	U
108-87-2	Methyl Cyclohexane	1.9	U
79-20-9	Methyl Acetate	7.2	U
110-82-7	Cyclohexane	1	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05TB2BL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696411 Lab File ID: 96411.D

Sample wt/vol: 5 Units: ML Date Received: 06/09/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/15/07 Time: 1302

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Trip Blk Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	1.7	U
74-87-3	Chloromethane	1.5	U
75-01-4	Vinyl chloride	1.4	U
74-83-9	Bromomethane	1.5	U
75-00-3	Chloroethane	2.8	U
75-69-4	Trichlorofluoromethane	1.5	U
75-35-4	1,1-Dichloroethene	1.1	U
75-15-0	Carbon disulfide	1.1	U
75-09-2	Methylene chloride	1.4	U
156-60-5	trans-1,2-Dichloroethene	1.2	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	18	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	2.2	U
78-93-3	2-Butanone	6.6	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1.5	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1.3	U
79-01-6	Trichloroethene	1.2	U
78-87-5	1,2-Dichloropropane	1.6	U
75-27-4	Bromodichloromethane	0.44	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05TB2BL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696411 Lab File ID: 96411.D

Sample wt/vol: 5 Units: ML Date Received: 06/09/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/15/07 Time: 1302

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Trip Blk Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
79-00-5	1,1,2-Trichloroethane	1.7	U
127-18-4	Tetrachloroethene	1.7	U
591-78-6	2-Hexanone	5.1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1.5	U
75-25-2	Bromoform	1.9	U
98-82-8	Isopropylbenzene (Cumene)	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	2.4	U
120-82-1	1,2,4-Trichlorobenzene	1.5	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1330-20-7	Xylene (total)	3	U
1634-04-4	MTBE	1.2	U
76-13-1	1,1,2-Trichlorotrifluoroethane	2.4	U
108-87-2	Methyl Cyclohexane	1.9	U
79-20-9	Methyl Acetate	7.2	U
110-82-7	Cyclohexane	1	U

QC Summary

280607 1339

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

061407BLKA32

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 061407BLKA32 Lab File ID: BLK32.D

Sample wt/vol: 5 Units: ML Date Received: 06/15/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/15/07 Time: 1215

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	1.7	U
74-87-3	Chloromethane	1.5	U
75-01-4	Vinyl chloride	1.4	U
74-83-9	Bromomethane	1.5	U
75-00-3	Chloroethane	2.8	U
75-69-4	Trichlorofluoromethane	1.5	U
75-35-4	1,1-Dichloroethene	1.1	U
75-15-0	Carbon disulfide	1.1	U
75-09-2	Methylene chloride	1.4	U
156-60-5	trans-1,2-Dichloroethene	1.2	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	18	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	2.2	U
78-93-3	2-Butanone	6.6	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1.5	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1.3	U
79-01-6	Trichloroethene	1.2	U
78-87-5	1,2-Dichloropropane	1.6	U
75-27-4	Bromodichloromethane	0.44	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U

280607 1339

Form I

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

061407BLKA32

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 061407BLKA32 Lab File ID: BLK32.D

Sample wt/vol: 5 Units: ML Date Received: 06/15/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/15/07 Time: 1215

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
79-00-5	1,1,2-Trichloroethane	1.7	U
127-18-4	Tetrachloroethene	1.7	U
591-78-6	2-Hexanone	5.1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1.5	U
75-25-2	Bromoform	1.9	U
98-82-8	Isopropylbenzene (Cumene)	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	2.4	U
120-82-1	1,2,4-Trichlorobenzene	1.5	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1330-20-7	Xylene (total)	3	U
1634-04-4	MTBE	1.2	U
76-13-1	1,1,2-Trichlorotrifluoroethane	2.4	U
108-87-2	Methyl Cyclohexane	1.9	U
79-20-9	Methyl Acetate	7.2	U
110-82-7	Cyclohexane	1	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

061807BLKA32

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 061807BLKA32 Lab File ID: BLK32.D

Sample wt/vol: 5 Units: ML Date Received: 06/18/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/18/07 Time: 1919

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	1.7	U
74-87-3	Chloromethane	1.5	U
75-01-4	Vinyl chloride	1.4	U
74-83-9	Bromomethane	1.5	U
75-00-3	Chloroethane	2.8	U
75-69-4	Trichlorofluoromethane	1.5	U
75-35-4	1,1-Dichloroethene	1.1	U
75-15-0	Carbon disulfide	1.1	U
75-09-2	Methylene chloride	1.4	U
156-60-5	trans-1,2-Dichloroethene	1.2	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	18	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	2.2	U
78-93-3	2-Butanone	6.6	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1.5	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1.3	U
79-01-6	Trichloroethene	1.2	U
78-87-5	1,2-Dichloropropane	1.6	U
75-27-4	Bromodichloromethane	0.44	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U

280607 1339

Form I

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

061807BLKA32

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 061807BLKA32 Lab File ID: BLK32.D

Sample wt/vol: 5 Units: ML Date Received: 06/18/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/18/07 Time: 1919

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
79-00-5	1,1,2-Trichloroethane	1.7	U
127-18-4	Tetrachloroethene	1.7	U
591-78-6	2-Hexanone	5.1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1.5	U
75-25-2	Bromoform	1.9	U
98-82-8	Isopropylbenzene (Cumene)	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	2.4	U
120-82-1	1,2,4-Trichlorobenzene	1.5	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1330-20-7	Xylene (total)	3	U
1634-04-4	MTBE	1.2	U
76-13-1	1,1,2-Trichlorotrifluoroethane	2.4	U
108-87-2	Methyl Cyclohexane	1.9	U
79-20-9	Methyl Acetate	7.2	U
110-82-7	Cyclohexane	1	U

VOLATILE ORGANIC METHOD BLANK SUMMARY

EPA Sample No.: 061407BLKA32

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Lab File ID: BLK32.D Lab Sample ID: 061407BLKA32

Instrument ID: VMS03 Date Extracted:

Matrix: WATER Date Analyzed: 06/15/07

Level:(low/med) LOW Time Analyzed: 1215

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	061507LCSA32	061507LCSA32	LCS32.D	06/15/07	1041
2	TO0540AMSBLDL1	250696402DL1	96402DMS.D	06/15/07	1105
3	TO0540AMSDBLDL1	250696403DL1	96403DSD.D	06/15/07	1128
4	TO05MW40ABLDL1	250696401DL1	96401D.D	06/15/07	1239
5	TO05TB2BL	250696411	96411.D	06/15/07	1302
6	TO05EB1BL	250696410	96410.D	06/15/07	1325
7	TO05MW39BBL	250696409	96409.D	06/15/07	1349
8	TO05MW41BBL	250696406	96406.D	06/15/07	1412
9	TO05FD02BLDL1	250696405DL1	96405D.D	06/15/07	1436
10	TO05MW40BBLDL1	250696404DL1	96404D.D	06/15/07	1459
11	TO05MW40ABL	250696401	96401.D	06/15/07	1633
12	TO05MW40BBL	250696404	96404.D	06/15/07	1656
13	TO05FD02BL	250696405	96405.D	06/15/07	1720

COMMENTS:

Page 1 of 2

280607 1339

Form IV

VOLATILE ORGANIC METHOD BLANK SUMMARY

EPA Sample No.: 061807BLKA32

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Lab File ID: BLK32.D Lab Sample ID: 061807BLKA32

Instrument ID: VMS03 Date Extracted:

Matrix: WATER Date Analyzed: 06/18/07

Level:(low/med) LOW Time Analyzed: 1919

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	061807LCSA32	061807LCSA32	LCS32.D	06/18/07	1722
2	061807LCSA32D	061807LCSA32D	LCS32D.D	06/18/07	1746
3	TO05MW40BBLDL2	250696404DL2	96404D1.D	06/18/07	1942

COMMENTS:

2A

WATER VOLATILE ORGANIC SURROGATE RECOVERY

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG NO.: 2506964

Column(1): DB-624 ID: 0.18 (mm)

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
061407BLKA32	101.0	99.4	101.0	102.0			0
061507LCSA32	97.6	97.0	96.4	96.4			0
061807BLKA32	99.4	101.0	104.0	107.0			0
061807LCSA32	103.0	102.0	102.0	105.0			0
061807LCSA32D	102.0	102.0	99.0	106.0			0
TO0540AMSBLDL1	94.0	94.4	96.8	96.0			0
TO0540AMSDBLDL1	102.0	101.0	100.0	103.0			0
TO05EB1BL	97.6	98.0	103.0	98.0			0
TO05FD02BL	105.0	102.0	105.0	109.0			0
TO05FD02BLDL1	100.0	98.8	104.0	104.0			0
TO05MW39BBL	99.6	100.0	104.0	105.0			0
TO05MW40ABL	102.0	99.8	103.0	104.0			0
TO05MW40ABLDL1	102.0	100.0	104.0	103.0			0
TO05MW40BBL	101.0	101.0	105.0	104.0			0
TO05MW40BBLDL1	103.0	102.0	107.0	103.0			0
TO05MW40BBLDL2	102.0	104.0	103.0	108.0			0
TO05MW41BBL	98.8	98.4	102.0	97.8			0
TO05TB2BL	101.0	99.4	106.0	103.0			0

Control Limits

S1	=	Dibromofluoromethane	86	-	118
S2	=	Toluene d8	88	-	110
S3	=	4-Bromofluorobenzene	86	-	115
S4	=	1,2-Dichloroethane-d4	80	-	120

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

Control limit source: (lab/method) METHOD

Form II

280607 1339

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

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Lab File ID: BFB31.D BFB Injection Date: 06/15/07

Instrument ID: VMS03 BFB Injection Time: 0500

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of mass 95	20.5	
75	30.0 - 60.0% of mass 95	49.8	
95	Base Peak, 100% relative abundance	100	
96	5.0 - 9.0% of mass 95	6	
173	Less than 2.0% of mass 174	0	(0)1
174	50.0 - 100.0% of mass 95	69.4	
175	5.0 - 9.0% of mass 174	5	(7.2)1
176	Greater than 95.0%, but less than 101.0% of mass 174	67.5	(97.2)1
177	5.0 - 9.0% of mass 176	4.3	(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
1	STD521866	1PPBTCAL	1PPB.D	06/15/07	0613
2	STD521874	2PPBCAL	2PPB.D	06/15/07	0637
3	STD521878	5PPBCAL	5PPB.D	06/15/07	0700
4	STD521865	10PPBCAL	10PPB.D	06/15/07	0723
5	STD521867	20PPBCAL	20PPB.D	06/15/07	0747
6	STD521877	50PPBCAL	50PPB.D	06/15/07	0810
7	STD521879	60PPBCAL	60PPB.D	06/15/07	0833
8	STD521880	80PPBCAL	80PPB.D	06/15/07	0857
9	SSC521881	SEC31	SEC31.D	06/15/07	0920

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

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Lab File ID: BFB32.D BFB Injection Date: 06/15/07

Instrument ID: VMS03 BFB Injection Time: 0955

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of mass 95	19.2	
75	30.0 - 60.0% of mass 95	48.3	
95	Base Peak, 100% relative abundance	100	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0	(0)1
174	50.0 - 100.0% of mass 95	71.9	
175	5.0 - 9.0% of mass 174	4.9	(6.8)1
176	Greater than 95.0%, but less than 101.0% of mass 174	69.5	(96.6)1
177	5.0 - 9.0% of mass 176	4.9	(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
1	CCV521863	061507CCVA31	50CCV31.D	06/15/07	1018
2	061507LCSA32	061507LCSA32	LCS32.D	06/15/07	1041
3	TO0540AMSBLDL1	250696402	96402DMS.D	06/15/07	1105
4	TO0540AMSDBLDL1	250696403	96403DSD.D	06/15/07	1128
5	061407BLKA32	061407BLKA32	BLK32.D	06/15/07	1215
6	TO05MW40ABLDL1	250696401DL1	96401D.D	06/15/07	1239
7	TO05TB2BL	250696411	96411.D	06/15/07	1302
8	TO05EB1BL	250696410	96410.D	06/15/07	1325
9	TO05MW39BBL	250696409	96409.D	06/15/07	1349
10	TO05MW41BBL	250696406	96406.D	06/15/07	1412
11	TO05FD02BLDL1	250696405DL1	96405D.D	06/15/07	1436
12	TO05MW40BBLDL1	250696404DL1	96404D.D	06/15/07	1459
13	TO05MW40ABL	250696401	96401.D	06/15/07	1633
14	TO05MW40BBL	250696404	96404.D	06/15/07	1656
15	TO05FD02BL	250696405	96405.D	06/15/07	1720

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

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Lab File ID: BFB31.D BFB Injection Date: 06/18/07

Instrument ID: VMS03 BFB Injection Time: 1111

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

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	48.4	
95	Base Peak, 100% relative abundance	100	
96	5.0 - 9.0% of mass 95	7.2	
173	Less than 2.0% of mass 174	0	(0)1
174	50.0 - 100.0% of mass 95	74.2	
175	5.0 - 9.0% of mass 174	5.5	(7.4)1
176	Greater than 95.0%, but less than 101.0% of mass 174	71.1	(95.7)1
177	5.0 - 9.0% of mass 176	4.6	(6.5)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
1	STD522033	1PPBCAL	1PPB.D	06/18/07	1220
2	STD522035	2PPBCAL	2PPB.D	06/18/07	1243
3	STD522037	5PPBTCAL	5PPB.D	06/18/07	1306
4	STD522032	10PPBCAL	10PPB.D	06/18/07	1330
5	STD522034	20PPBCAL	20PPB.D	06/18/07	1353
6	STD522036	50PPBCAL	50PPB.D	06/18/07	1417
7	STD522038	60PPBCAL	60PPB.D	06/18/07	1440
8	STD522039	80PPBCAL	80PPB.D	06/18/07	1503
9	SSC522042	SEC31	SEC31.D	06/18/07	1527

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

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Lab File ID: BFB32.D BFB Injection Date: 06/18/07

Instrument ID: VMS03 BFB Injection Time: 1613

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of mass 95	20.1	
75	30.0 - 60.0% of mass 95	49.1	
95	Base Peak, 100% relative abundance	100	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.2	(0.3)1
174	50.0 - 100.0% of mass 95	72.5	
175	5.0 - 9.0% of mass 174	5.1	(7.1)1
176	Greater than 95.0%, but less than 101.0% of mass 174	70.9	(97.8)1
177	5.0 - 9.0% of mass 176	4.5	(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
1	CCV522029	061807CCVA32	50CCV32.D	06/18/07	1659
2	061807LCSA32	061807LCSA32	LCS32.D	06/18/07	1722
3	061807LCSA32D	061807LCSA32	LCS32D.D	06/18/07	1746
4	061807BLKA32	061807BLKA32	BLK32.D	06/18/07	1919
5	TO05MW40BBLDL2	250696404DL2	96404D1.D	06/18/07	1942

8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Lab File ID (Standard): 50PPB.D Date Analyzed: 6/15/2007

Instrument ID: VMS03 Time Analyzed: 8:10

GC Column: DB-624 ID: 0.18 (mm)

Matrix: (soil/water) W Heated Purge: (Y/N) No

		IS1 AREA	#	RT	IS2 AREA	#	RT	IS3 AREA	#	RT
	MID CAL STD	904640		10.73	495635		13.14	1242529		7.43
	UPPER LIMIT	1809280		11.23	991270		13.64	2485058		7.93
	LOWER LIMIT	452320		10.23	247817.5		12.64	621264.5		6.93
	EPA SAMPLE NO.									
1	061507LCSA32	941013		10.73	489806		13.14	1238822		7.43
2	TO0540AMSBLDL1	924677		10.73	496044		13.14	1278298		7.43
3	TO0540AMSDBLDL1	947433		10.73	496130		13.14	1264803		7.43
4	061407BLKA32	941788		10.73	472756		13.15	1276437		7.43
5	TO05MW40ABLDL1	941422		10.73	462511		13.14	1245561		7.43
6	TO05TB2BL	938874		10.73	458001		13.15	1263699		7.43
7	TO05EB1BL	904879		10.73	442543		13.15	1243152		7.43
8	TO05MW39BBL	919213		10.73	457356		13.15	1242235		7.43
9	TO05MW41BBL	916238		10.73	459878		13.15	1244823		7.43
10	TO05FD02BLDL1	932205		10.73	464666		13.15	1262473		7.43
11	TO05MW40BBLDL1	913621		10.73	442848		13.15	1227541		7.43
12	TO05MW40ABL	910069		10.73	440471		13.15	1225377		7.43
13	TO05MW40BBL	916098		10.73	441689		13.15	1231092		7.43
14	TO05FD02BL	890024		10.73	444460		13.15	1193390		7.43

IS1 = Chlorobenzene d5

IS2 = 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

280607 1339

FORM VIII

8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Lab File ID (Standard): 50PPB.D Date Analyzed: 6/18/2007

Instrument ID: VMS03 Time Analyzed: 14:17

GC Column: DB-624 ID: 0.18 (mm)

Matrix: (soil/water) W Heated Purge: (Y/N) No

		IS1 AREA	#	RT	IS2 AREA	#	RT	IS3 AREA	#	RT
	MID CAL STD	981241		10.73	539868		13.15	1365201		7.43
	UPPER LIMIT	1962482		11.23	1079736		13.65	2730402		7.93
	LOWER LIMIT	490620.5		10.23	269934		12.65	682600.5		6.93
	EPA SAMPLE NO.									
1	061807LCSA32	993266		10.73	547184		13.15	1374169		7.43
2	061807LCSA32D	996160		10.73	538999		13.15	1338984		7.43
3	061807BLKA32	1010624		10.73	522225		13.15	1403433		7.43
4	TO05MW40BBLDL2	1016907		10.73	530534		13.15	1337913		7.43

IS1 = Chlorobenzene d5

IS2 = 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

280607 1339

FORM VIII

3

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

061507LCSA32

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	20	16	80.0		20.0	57 - 136
Chloromethane	20	17.4	87.0		20.0	70 - 130
Vinyl chloride	20	17.1	85.5		20.0	70 - 130
Bromomethane	20	18	90.0		20.0	70 - 130
Chloroethane	20	18.2	91.0		20.0	70 - 130
Trichlorofluoromethane	20	16.9	84.5		20.0	70 - 130
1,1-Dichloroethene	20	19.6	98.0		20.0	70 - 130
Carbon disulfide	20	19.3	96.5		20.0	70 - 130
Methylene chloride	20	20.3	102.0		20.0	70 - 130
trans-1,2-Dichloroethene	20	19.9	99.5		20.0	70 - 130
1,1-Dichloroethane	20	20.7	104.0		20.0	70 - 130
Acetone	60	65.5	109.0		20.0	70 - 130
cis-1,2-Dichloroethene	20	21.1	106.0		20.0	70 - 130
Bromochloromethane	20	20.8	104.0		20.0	70 - 130
2-Butanone	60	63.7	106.0		20.0	70 - 130
Chloroform	20	20.3	102.0		20.0	70 - 130
1,1,1-Trichloroethane	20	20.3	102.0		20.0	70 - 130
Carbon tetrachloride	20	20	100.0		20.0	70 - 130
Benzene	20	20.2	101.0		20.0	70 - 130
1,2-Dichloroethane	20	21	105.0		20.0	70 - 130
Trichloroethene	20	20.3	102.0		20.0	70 - 130
1,2-Dichloropropane	20	21.4	107.0		20.0	70 - 130
Bromodichloromethane	20	21.1	106.0		20.0	70 - 130
cis-1,3-Dichloropropene	20	21.4	107.0		20.0	70 - 130
4-Methyl-2-pentanone	60	56.7	94.5		20.0	70 - 130
Toluene	20	20.7	104.0		20.0	70 - 130
trans-1,3-Dichloropropene	20	21.8	109.0		20.0	70 - 130
1,1,2-Trichloroethane	20	20.9	104.0		20.0	70 - 130
Tetrachloroethene	20	19.5	97.5		20.0	70 - 130
2-Hexanone	60	65	108.0		20.0	70 - 130
Dibromochloromethane	20	20.3	102.0		20.0	70 - 130
1,2-Dibromoethane(EDB)	20	20.5	102.0		20.0	70 - 130

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

280607 1339

Form III

3

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

061507LCSA32

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Chlorobenzene	20	19.4	97.0		20.0	70 - 130
Ethylbenzene	20	19.7	98.5		20.0	70 - 130
Styrene	20	20.4	102.0		20.0	70 - 130
Bromoform	20	20.1	100.0		20.0	70 - 130
Isopropylbenzene (Cumene)	20	20.5	102.0		20.0	70 - 130
1,1,2,2-Tetrachloroethane	20	21.2	106.0		20.0	70 - 130
1,3-Dichlorobenzene	20	21.2	106.0		20.0	70 - 130
1,4-Dichlorobenzene	20	20.9	104.0		20.0	70 - 130
1,2-Dichlorobenzene	20	21.5	108.0		20.0	70 - 130
1,2-Dibromo-3-chloropropane	20	20.6	103.0		20.0	70 - 130
1,2,4-Trichlorobenzene	20	21	105.0		20.0	70 - 130
1,2,3-Trichlorobenzene	20	20.9	104.0		20.0	70 - 130
Xylene (total)	60	58.9	98.2		20.0	70 - 130
MTBE	20	21.5	108.0		20.0	70 - 130
1,1,2-Trichlorotrifluoroethane	20	18.7	93.5		20.0	70 - 130
Methyl Cyclohexane	20	20.7	104.0		20.0	70 - 130
Methyl Acetate	20	21	105.0		20.0	56 - 131
Cyclohexane	20	20.5	102.0		20.0	70 - 130

Spike Recovery: 0 out of 50 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

280607 1339

Form III

3

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

061807LCSA32

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	20	18	90.0		20.0	57 - 136
Chloromethane	20	19.8	99.0		20.0	70 - 130
Vinyl chloride	20	19.4	97.0		20.0	70 - 130
Bromomethane	20	19.6	98.0		20.0	70 - 130
Chloroethane	20	20.8	104.0		20.0	70 - 130
Trichlorofluoromethane	20	20.9	104.0		20.0	70 - 130
1,1-Dichloroethene	20	19.2	96.0		20.0	70 - 130
Carbon disulfide	20	19.3	96.5		20.0	70 - 130
Methylene chloride	20	19	95.0		20.0	70 - 130
trans-1,2-Dichloroethene	20	20.4	102.0		20.0	70 - 130
1,1-Dichloroethane	20	20.4	102.0		20.0	70 - 130
Acetone	60	56.8	94.7		20.0	70 - 130
cis-1,2-Dichloroethene	20	20.7	104.0		20.0	70 - 130
Bromochloromethane	20	20.1	100.0		20.0	70 - 130
2-Butanone	60	59.5	99.2		20.0	70 - 130
Chloroform	20	19.7	98.5		20.0	70 - 130
1,1,1-Trichloroethane	20	20.3	102.0		20.0	70 - 130
Carbon tetrachloride	20	20.6	103.0		20.0	70 - 130
Benzene	20	20.1	100.0		20.0	70 - 130
1,2-Dichloroethane	20	20	100.0		20.0	70 - 130
Trichloroethene	20	20.3	102.0		20.0	70 - 130
1,2-Dichloropropane	20	19.8	99.0		20.0	70 - 130
Bromodichloromethane	20	20	100.0		20.0	70 - 130
cis-1,3-Dichloropropene	20	20.2	101.0		20.0	70 - 130
4-Methyl-2-pentanone	60	57.9	96.5		20.0	70 - 130
Toluene	20	20.3	102.0		20.0	70 - 130
trans-1,3-Dichloropropene	20	20.4	102.0		20.0	70 - 130
1,1,2-Trichloroethane	20	19.6	98.0		20.0	70 - 130
Tetrachloroethene	20	20	100.0		20.0	70 - 130
2-Hexanone	60	60.7	101.0		20.0	70 - 130
Dibromochloromethane	20	19.8	99.0		20.0	70 - 130
1,2-Dibromoethane(EDB)	20	20.2	101.0		20.0	70 - 130

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

280607 1339

Form III

3

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

061807LCSA32

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Chlorobenzene	20	19.9	99.5		20.0	70 - 130
Ethylbenzene	20	20.4	102.0		20.0	70 - 130
Styrene	20	20.8	104.0		20.0	70 - 130
Bromoform	20	19.9	99.5		20.0	70 - 130
Isopropylbenzene (Cumene)	20	20.4	102.0		20.0	70 - 130
1,1,2,2-Tetrachloroethane	20	20.4	102.0		20.0	70 - 130
1,3-Dichlorobenzene	20	20.6	103.0		20.0	70 - 130
1,4-Dichlorobenzene	20	19.8	99.0		20.0	70 - 130
1,2-Dichlorobenzene	20	20.1	100.0		20.0	70 - 130
1,2-Dibromo-3-chloropropane	20	19.4	97.0		20.0	70 - 130
1,2,4-Trichlorobenzene	20	21.1	106.0		20.0	70 - 130
1,2,3-Trichlorobenzene	20	21.4	107.0		20.0	70 - 130
Xylene (total)	60	60.7	101.0		20.0	70 - 130
MTBE	20	21.5	108.0		20.0	70 - 130
1,1,2-Trichlorotrifluoroethane	20	21.8	109.0		20.0	70 - 130
Methyl Cyclohexane	20	20.7	104.0		20.0	70 - 130
Methyl Acetate	20	19.8	99.0		20.0	56 - 131
Cyclohexane	20	20.7	104.0		20.0	70 - 130

Spike Recovery: 0 out of 50 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

280607 1339

Form III

3

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

061807LCSA32D

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	20	15.6	78.0	14.3	20.0	57 - 136
Chloromethane	20	17.8	89.0	10.6	20.0	70 - 130
Vinyl chloride	20	18.5	92.5	4.7	20.0	70 - 130
Bromomethane	20	18	90.0	8.5	20.0	70 - 130
Chloroethane	20	18.9	94.5	9.6	20.0	70 - 130
Trichlorofluoromethane	20	18.1	90.5	14.4	20.0	70 - 130
1,1-Dichloroethene	20	19.4	97.0	1.0	20.0	70 - 130
Carbon disulfide	20	18.9	94.5	2.1	20.0	70 - 130
Methylene chloride	20	18.8	94.0	1.1	20.0	70 - 130
trans-1,2-Dichloroethene	20	19	95.0	7.1	20.0	70 - 130
1,1-Dichloroethane	20	18.7	93.5	8.7	20.0	70 - 130
Acetone	60	55.8	93.0	1.8	20.0	70 - 130
cis-1,2-Dichloroethene	20	19.8	99.0	4.4	20.0	70 - 130
Bromochloromethane	20	19.1	95.5	5.1	20.0	70 - 130
2-Butanone	60	56.9	94.8	4.5	20.0	70 - 130
Chloroform	20	19.1	95.5	3.1	20.0	70 - 130
1,1,1-Trichloroethane	20	18.8	94.0	7.7	20.0	70 - 130
Carbon tetrachloride	20	18.6	93.0	10.2	20.0	70 - 130
Benzene	20	19.2	96.0	4.6	20.0	70 - 130
1,2-Dichloroethane	20	19.4	97.0	3.0	20.0	70 - 130
Trichloroethene	20	19.3	96.5	5.1	20.0	70 - 130
1,2-Dichloropropane	20	19.3	96.5	2.6	20.0	70 - 130
Bromodichloromethane	20	19.2	96.0	4.1	20.0	70 - 130
cis-1,3-Dichloropropene	20	19	95.0	6.1	20.0	70 - 130
4-Methyl-2-pentanone	60	54.3	90.5	6.4	20.0	70 - 130
Toluene	20	19.3	96.5	5.1	20.0	70 - 130
trans-1,3-Dichloropropene	20	19.4	97.0	5.0	20.0	70 - 130
1,1,2-Trichloroethane	20	18.9	94.5	3.6	20.0	70 - 130
Tetrachloroethene	20	18.3	91.5	8.9	20.0	70 - 130
2-Hexanone	60	56.7	94.5	6.8	20.0	70 - 130
Dibromochloromethane	20	18.7	93.5	5.7	20.0	70 - 130
1,2-Dibromoethane(EDB)	20	19	95.0	6.1	20.0	70 - 130

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

280607 1339

Form III

3

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

061807LCSA32D

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Chlorobenzene	20	19.3	96.5	3.1	20.0	70 - 130
Ethylbenzene	20	19.2	96.0	6.1	20.0	70 - 130
Styrene	20	18.3	91.5	12.8	20.0	70 - 130
Bromoform	20	18.1	90.5	9.5	20.0	70 - 130
Isopropylbenzene (Cumene)	20	19	95.0	7.1	20.0	70 - 130
1,1,2,2-Tetrachloroethane	20	19.2	96.0	6.1	20.0	70 - 130
1,3-Dichlorobenzene	20	19.2	96.0	7.0	20.0	70 - 130
1,4-Dichlorobenzene	20	18.9	94.5	4.7	20.0	70 - 130
1,2-Dichlorobenzene	20	19.1	95.5	5.1	20.0	70 - 130
1,2-Dibromo-3-chloropropane	20	18.4	92.0	5.3	20.0	70 - 130
1,2,4-Trichlorobenzene	20	19.5	97.5	7.9	20.0	70 - 130
1,2,3-Trichlorobenzene	20	18.6	93.0	14.0	20.0	70 - 130
Xylene (total)	60	57	95.0	6.3	20.0	70 - 130
MTBE	20	20.7	104.0	3.8	20.0	70 - 130
1,1,2-Trichlorotrifluoroethane	20	17.3	86.5	23.0 *	20.0	70 - 130
Methyl Cyclohexane	20	19.2	96.0	7.5	20.0	70 - 130
Methyl Acetate	20	20.2	101.0	2.0	20.0	56 - 131
Cyclohexane	20	18.9	94.5	9.1	20.0	70 - 130

Spike Recovery: 0 out of 50 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

280607 1339

Form III

3

VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

TO0540AMSBLDL1

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
Dichlorodifluoromethane	100	0	84.2	84.2	72 - 127
Chloromethane	100	0	89.8	89.8	75 - 111
Vinyl chloride	100	0	99.5	99.5	78 - 110
Bromomethane	100	0	85.3	85.3	83 - 120
Chloroethane	100	0	93.9	93.9	85 - 121
Trichlorofluoromethane	100	0	91.5	91.5	88 - 119
1,1-Dichloroethene	100	0	98.9	98.9	89 - 113
Carbon disulfide	100	0	99.9	99.9	67 - 124
Methylene chloride	100	0	97.5	97.5	88 - 113
trans-1,2-Dichloroethene	100	0	102	102.0	85 - 113
1,1-Dichloroethane	100	0	99.2	99.2	91 - 110
Acetone	300	0	257	85.7	76 - 133
cis-1,2-Dichloroethene	100	22.6	124	101.0	89 - 117
Bromochloromethane	100	0	97.6	97.6	86 - 107
2-Butanone	300	0	305	102.0	75 - 113
Chloroform	100	0	99.3	99.3	89 - 114
1,1,1-Trichloroethane	100	0	103	103.0	86 - 114
Carbon tetrachloride	100	0	99.4	99.4	85 - 125
Benzene	100	0	102	102.0	92 - 110
1,2-Dichloroethane	100	0	96.5	96.5	88 - 113
Trichloroethene	100	135	236	101.0	78 - 119
1,2-Dichloropropane	100	0	103	103.0	92 - 109
Bromodichloromethane	100	0	98.5	98.5	83 - 114
cis-1,3-Dichloropropene	100	0	101	101.0	79 - 109
4-Methyl-2-pentanone	300	0	285	95.0	67 - 113
Toluene	100	0	102	102.0	89 - 121
trans-1,3-Dichloropropene	100	0	104	104.0	70 - 108
1,1,2-Trichloroethane	100	0	101	101.0	89 - 116
Tetrachloroethene	100	5.2	105	99.8	88 - 115
2-Hexanone	300	0	322	107.0	65 - 118

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

280607 1339

3

VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

TO0540AMSBLDL1

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
Dibromochloromethane	100	0	99.6	99.6	78 - 114
1,2-Dibromoethane(EDB)	100	0	103	103.0	90 - 109
Chlorobenzene	100	4.3	103	98.7	35 - 148
Ethylbenzene	100	0	105	105.0	93 - 111
Styrene	100	0	105	105.0	93 - 111
Bromoform	100	0	100	100.0	57 - 117
Isopropylbenzene (Cumene)	100	0	105	105.0	91 - 107
1,1,2,2-Tetrachloroethane	100	0	104	104.0 *	85 - 100
1,3-Dichlorobenzene	100	0	103	103.0	84 - 112
1,4-Dichlorobenzene	100	0	101	101.0	56 - 132
1,2-Dichlorobenzene	100	0	104	104.0	87 - 110
1,2-Dibromo-3-chloropropane	100	0	97.3	97.3	79 - 109
1,2,4-Trichlorobenzene	100	0	99	99.0	87 - 107
1,2,3-Trichlorobenzene	100	0	94.9	94.9	83 - 105
Xylene (total)	300	0	303	101.0	90 - 111
MTBE	100	0	105	105.0	90 - 111
1,1,2-Trichlorotrifluoroethane	100	0	92.9	92.9	84 - 122
Methyl Cyclohexane	100	0	103	103.0	80 - 118
Methyl Acetate	100	0	101	101.0	81 - 105
Cyclohexane	100	0	104	104.0	84 - 119

Spike Recovery: 1 out of 50 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

280607 1339

3

VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO- TO0540AMSDBLDL1

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	100	77.9	77.9	7.8	13	72 - 127
Chloromethane	100	79.8	79.8	11.8	19	75 - 111
Vinyl chloride	100	86.2	86.2	14.3	15	78 - 110
Bromomethane	100	78	78.0 *	8.9	20	83 - 120
Chloroethane	100	87.4	87.4	7.2	18	85 - 121
Trichlorofluoromethane	100	89.3	89.3	2.4	20	88 - 119
1,1-Dichloroethene	100	95.6	95.6	3.4	17	89 - 113
Carbon disulfide	100	95.7	95.7	4.3	16	67 - 124
Methylene chloride	100	95.2	95.2	2.4	20	88 - 113
trans-1,2-Dichloroethene	100	99.7	99.7	2.3	13	85 - 113
1,1-Dichloroethane	100	98.1	98.1	1.1	16	91 - 110
Acetone	300	261	87.0	1.5	17	76 - 133
cis-1,2-Dichloroethene	100	124	101.0	0.0	13	89 - 117
Bromochloromethane	100	98.5	98.5	0.9	13	86 - 107
2-Butanone	300	288	96.0	5.7	20	75 - 113
Chloroform	100	99.3	99.3	0.0	10	89 - 114
1,1,1-Trichloroethane	100	101	101.0	2.0	19	86 - 114
Carbon tetrachloride	100	97.6	97.6	1.8	16	85 - 125
Benzene	100	99.2	99.2	2.8	7	92 - 110
1,2-Dichloroethane	100	100	100.0	3.6	11	88 - 113
Trichloroethene	100	236	101.0	0.0	16	78 - 119
1,2-Dichloropropane	100	101	101.0	2.0	10	92 - 109
Bromodichloromethane	100	98	98.0	0.5	11	83 - 114
cis-1,3-Dichloropropene	100	100	100.0	1.0	14	79 - 109
4-Methyl-2-pentanone	300	279	93.0	2.1	8	67 - 113
Toluene	100	101	101.0	1.0	13	89 - 121
trans-1,3-Dichloropropene	100	103	103.0	1.0	8	70 - 108
1,1,2-Trichloroethane	100	101	101.0	0.0	13	89 - 116
Tetrachloroethene	100	101	95.8	3.9	12	88 - 115
2-Hexanone	300	301	100.0	6.7	7	65 - 118

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

280607 1339

3

VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO- TO0540AMSDBLDL1

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Dibromochloromethane	100	97.1	97.1	2.5	11	78 - 114
1,2-Dibromoethane(EDB)	100	99.9	99.9	3.1	14	90 - 109
Chlorobenzene	100	100	95.7	3.0	7	35 - 148
Ethylbenzene	100	99.3	99.3	5.6	14	93 - 111
Styrene	100	101	101.0	3.9	7	93 - 111
Bromoform	100	94.8	94.8	5.3	14	57 - 117
Isopropylbenzene (Cumene)	100	103	103.0	1.9	12	91 - 107
1,1,2,2-Tetrachloroethane	100	103	103.0 *	1.0	11	85 - 100
1,3-Dichlorobenzene	100	102	102.0	1.0	14	84 - 112
1,4-Dichlorobenzene	100	99	99.0	2.0	11	56 - 132
1,2-Dichlorobenzene	100	100	100.0	3.9	8	87 - 110
1,2-Dibromo-3-chloropropane	100	98	98.0	0.7	20	79 - 109
1,2,4-Trichlorobenzene	100	98.4	98.4	0.6	16	87 - 107
1,2,3-Trichlorobenzene	100	97	97.0	2.2	12	83 - 105
Xylene (total)	300	289	96.3	4.7	9	90 - 111
MTBE	100	111	111.0	5.6	11	90 - 111
1,1,2-Trichlorotrifluoroethane	100	89.7	89.7	3.5	20	84 - 122
Methyl Cyclohexane	100	102	102.0	1.0	9	80 - 118
Methyl Acetate	100	97.9	97.9	3.1	10	81 - 105
Cyclohexane	100	100	100.0	3.9	11	84 - 119

RPD: 0 out of 50 outside limits

Spike Recovery: 2 out of 50 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

280607 1339

Standards Data

280607 1339

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID: VMS03 Calibration Date Begin: 06/15/07 End: 06/15/07

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 613 End: 857

Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF1 =1PPB.D RRF2 =2PPB.D
RRF5 =5PPB.D RRF10 =10PPB.D RRF20 =20PPB.D

COMPOUND		RRF1	RRF2	RRF5	RRF10	RRF20	$\overline{RRF}$	%RSD OR R^2	
Dichlorodifluoromethane		0.240	0.205	0.241	0.236	0.211			
Chloromethane	#	0.551	0.427	0.380	0.379	0.347			#
Vinyl chloride	*	0.314	0.283	0.292	0.277	0.227			*
Bromomethane		0.195	0.165	0.173	0.183	0.155			
Chloroethane		0.283	0.230	0.219	0.218	0.182			
Trichlorofluoromethane		0.428	0.381	0.410	0.412	0.377			
1,1-Dichloroethene	*	0.491	0.451	0.517	0.456	0.487			*
Carbon disulfide		0.898	0.907	0.948	0.850	0.881			
Methylene chloride		0.541	0.532	0.489	0.482	0.477			
trans-1,2-Dichloroethene		0.467	0.439	0.445	0.424	0.435			
1,1-Dichloroethane	#	0.542	0.574	0.545	0.542	0.547			#
Acetone			0.179	0.150	0.118	0.109			
cis-1,2-Dichloroethene		0.285	0.279	0.303	0.298	0.303			
Bromochloromethane		0.307	0.317	0.306	0.307	0.297			
2-Butanone		0.151	0.150	0.153	0.138	0.143			
Chloroform	*	0.572	0.547	0.544	0.538	0.520			*
1,1,1-Trichloroethane		0.406	0.409	0.414	0.401	0.407			
Carbon tetrachloride		0.288	0.290	0.302	0.297	0.305			
Benzene		1.139	1.174	1.134	1.129	1.116			
1,2-Dichloroethane		0.449	0.499	0.478	0.461	0.477			
Trichloroethene		0.295	0.289	0.289	0.282	0.281			
1,2-Dichloropropane	*	0.336	0.304	0.331	0.310	0.329			*
Bromodichloromethane		0.368	0.400	0.391	0.392	0.406			
cis-1,3-Dichloropropene		0.474	0.443	0.459	0.463	0.500			
4-Methyl-2-pentanone		0.786	0.844	0.846	0.796	0.851			
Toluene	*	0.727	0.728	0.739	0.709	0.738			*
trans-1,3-Dichloropropene		0.346	0.376	0.378	0.394	0.439			
1,1,2-Trichloroethane		0.267	0.273	0.283	0.270	0.280			
Tetrachloroethene		0.341	0.315	0.320	0.298	0.308			
2-Hexanone		0.255	0.281	0.282	0.287	0.298			
Dibromochloromethane		0.323	0.347	0.348	0.357	0.387			
1,2-Dibromoethane(EDB)		0.354	0.341	0.363	0.357	0.378			
Chlorobenzene	#	1.173	1.196	1.158	1.096	1.149			#
Ethylbenzene	*	0.539	0.600	0.583	0.567	0.586			*

280607 1339

FORM VI

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID: VMS03 Calibration Date Begin: 06/15/07 End: 06/15/07

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 613 End: 857

Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF1 =1PPB.D RRF2 =2PPB.D
RRF5 =5PPB.D RRF10 =10PPB.D RRF20 =20PPB.D

COMPOUND	RRF1	RRF2	RRF5	RRF10	RRF20	$\overline{RRF}$	%RSD OR R^2
p,m-Xylene	0.760	0.750	0.751	0.753	0.759		
o-Xylene	1.687	1.738	1.670	1.679	1.711		
Styrene	1.081	1.065	1.201	1.180	1.230		
Bromoform #	0.229	0.220	0.230	0.229	0.247		#
Isopropylbenzene (Cumene)	3.279	3.467	3.356	3.473	3.533		
1,1,2,2-Tetrachloroethane #	0.890	0.947	0.913	0.894	0.939		#
1,3-Dichlorobenzene	1.572	1.664	1.670	1.647	1.664		
1,4-Dichlorobenzene	1.550	1.668	1.602	1.629	1.648		
1,2-Dichlorobenzene	1.384	1.536	1.588	1.588	1.590		
1,2-Dibromo-3-chloropropane	0.134	0.135	0.137	0.127	0.153		
1,2,4-Trichlorobenzene	0.615	0.586	0.642	0.714	0.786		
1,2,3-Trichlorobenzene	0.470	0.510	0.549	0.644	0.692		
MTBE	0.727	0.728	0.783	0.769	0.792		
1,1,2-Trichlorotrifluoroethane	0.228	0.233	0.260	0.289	0.263		
Methyl Cyclohexane	0.381	0.374	0.396	0.394	0.401		
Methyl Acetate	0.247	0.287	0.284	0.269	0.273		
Cyclohexane	0.502	0.518	0.538	0.508	0.549		
==========							
Dibromofluoromethane(SURR)		0.326	0.251	0.257	0.250		
Toluene d8(SURR)		1.214	1.004	1.033	0.995		
4-Bromofluorobenzene(SURR)		1.276	1.057	1.103	1.046		
1,2-Dichloroethane-d4(SURR)		0.063	0.059	0.060	0.060		

280607 1339

FORM VI

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID: VMS03 Calibration Date Begin: 06/15/07 End: 06/15/07

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 613 End: 857

Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF50 =50PPB.D RRF60 =60PPB.D
RRF80 =80PPB.D

COMPOUND		RRF50	RRF60	RRF80			$\overline{RRF}$	%RSD OR R^2	
Dichlorodifluoromethane		0.227	0.228	0.220			0.226	5.8	
Chloromethane	#	0.347	0.334	0.330			0.38679	0.99974	#
Vinyl chloride	*	0.202	0.195	0.185			0.2468	0.99968	*
Bromomethane		0.163	0.170	0.162			0.17065	7.5	
Chloroethane		0.189	0.195	0.190			0.2134	0.99924	
Trichlorofluoromethane		0.385	0.389	0.424			0.40066	5	
1,1-Dichloroethene	*	0.498	0.515	0.515			0.49137	5.3	*
Carbon disulfide		0.907	0.939	0.925			0.90702	3.5	
Methylene chloride		0.493	0.489	0.488			0.49872	4.8	
trans-1,2-Dichloroethene		0.431	0.459	0.472			0.44643	3.9	
1,1-Dichloroethane	#	0.536	0.580	0.595			0.55763	3.9	#
Acetone		0.115	0.110	0.111			0.12746	0.99917	
cis-1,2-Dichloroethene		0.301	0.313	0.313			0.29927	4.1	
Bromochloromethane		0.297	0.297	0.302			0.3038	2.3	
2-Butanone		0.154	0.152	0.149			0.14891	3.7	
Chloroform	*	0.527	0.543	0.547			0.54222	2.8	*
1,1,1-Trichloroethane		0.413	0.438	0.449			0.417	4.1	
Carbon tetrachloride		0.320	0.341	0.351			0.31157	7.5	
Benzene		1.119	1.150	1.169			1.14129	1.9	
1,2-Dichloroethane		0.477	0.480	0.481			0.47521	3.1	
Trichloroethene		0.278	0.295	0.294			0.28791	2.3	
1,2-Dichloropropane	*	0.328	0.337	0.335			0.32616	3.9	*
Bromodichloromethane		0.418	0.428	0.430			0.40406	5.2	
cis-1,3-Dichloropropene		0.517	0.528	0.535			0.48992	7.1	
4-Methyl-2-pentanone		0.865	0.877	0.854			0.83987	3.8	
Toluene	*	0.724	0.757	0.755			0.7346	2.2	*
trans-1,3-Dichloropropene		0.459	0.472	0.478			0.41787	12.1	
1,1,2-Trichloroethane		0.275	0.269	0.271			0.27356	2.1	
Tetrachloroethene		0.302	0.318	0.316			0.31487	4.2	
2-Hexanone		0.310	0.315	0.302			0.29102	6.6	
Dibromochloromethane		0.412	0.415	0.418			0.37591	9.8	
1,2-Dibromoethane(EDB)		0.388	0.389	0.383			0.36911	4.8	
Chlorobenzene	#	1.130	1.157	1.165			1.15286	2.6	#
Ethylbenzene	*	0.580	0.597	0.600			0.58173	3.5	*

280607 1339

FORM VI

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID: VMS03 Calibration Date Begin: 06/15/07 End: 06/15/07

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 613 End: 857

Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF50 =50PPB.D RRF60 =60PPB.D
RRF80 =80PPB.D

COMPOUND	RRF50	RRF60	RRF80			$\overline{RRF}$	%RSD OR R^2
p,m-Xylene	0.747	0.781	0.784			0.7607	1.9
o-Xylene	1.718	1.790	1.802			1.72434	2.9
Styrene	1.255	1.300	1.309			1.20271	7.6
Bromoform #	0.275	0.274	0.277			0.24766	9.7 #
Isopropylbenzene (Cumene)	3.401	3.539	3.558			3.45089	2.9
1,1,2,2-Tetrachloroethane #	0.909	0.877	0.874			0.9054	3 #
1,3-Dichlorobenzene	1.640	1.640	1.704			1.65009	2.3
1,4-Dichlorobenzene	1.648	1.645	1.675			1.63318	2.5
1,2-Dichlorobenzene	1.619	1.592	1.625			1.56523	5
1,2-Dibromo-3-chloropropane	0.160	0.157	0.159			0.14522	9.1
1,2,4-Trichlorobenzene	0.833	0.851	0.884			0.7388	0.99993
1,2,3-Trichlorobenzene	0.708	0.727	0.728			0.62848	0.99986
MTBE	0.861	0.826	0.876			0.79518	7
1,1,2-Trichlorotrifluoroethane	0.285	0.283	0.285			0.26576	9.1
Methyl Cyclohexane	0.401	0.425	0.434			0.40053	5.1
Methyl Acetate	0.288	0.268	0.273			0.27347	4.9
Cyclohexane	0.557	0.574	0.597			0.54286	6.1
==========							
Dibromofluoromethane(SURR)	0.262	0.270	0.264			0.26851	9.8
Toluene d8(SURR)	1.021	1.072	1.041			1.05432	7.1
4-Bromofluorobenzene(SURR)	1.062	1.068	1.067			1.0969	7.4
1,2-Dichloroethane-d4(SURR)	0.061	0.060	0.059			0.06031	2.5

280607 1339

FORM VI

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID: VMS03 Calibration Date Begin: 06/18/07 End: 06/18/07

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 1220 End: 1503

Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF1 =1PPB.D RRF2 =2PPB.D
RRF5 =5PPB.D RRF10 =10PPB.D RRF20 =20PPB.D

COMPOUND		RRF1	RRF2	RRF5	RRF10	RRF20	$\overline{RRF}$	%RSD OR R^2	
Dichlorodifluoromethane		0.333	0.330	0.352	0.300	0.314			
Chloromethane	#	0.748	0.515	0.490	0.436	0.442			#
Vinyl chloride	*	0.378	0.366	0.375	0.309	0.290			*
Bromomethane		0.204	0.199	0.199	0.176	0.179			
Chloroethane		0.343	0.263	0.264	0.203	0.203			
Trichlorofluoromethane		0.416	0.443	0.462	0.415	0.430			
1,1-Dichloroethene	*	0.574	0.476	0.500	0.505	0.469			*
Carbon disulfide		0.990	0.967	0.967	0.841	0.885			
Methylene chloride		0.646	0.542	0.515	0.537	0.480			
trans-1,2-Dichloroethene		0.468	0.447	0.447	0.484	0.444			
1,1-Dichloroethane	#	0.643	0.544	0.579	0.596	0.565			#
Acetone			0.147	0.148	0.135	0.127			
cis-1,2-Dichloroethene		0.330	0.286	0.326	0.329	0.302			
Bromochloromethane		0.339	0.301	0.310	0.337	0.310			
2-Butanone		0.182	0.173	0.163	0.157	0.174			
Chloroform	*	0.577	0.560	0.556	0.586	0.530			*
1,1,1-Trichloroethane		0.459	0.415	0.415	0.455	0.408			
Carbon tetrachloride		0.293	0.289	0.294	0.316	0.290			
Benzene		1.289	1.184	1.193	1.251	1.128			
1,2-Dichloroethane		0.507	0.473	0.484	0.511	0.474			
Trichloroethene		0.322	0.301	0.301	0.306	0.276			
1,2-Dichloropropane	*	0.380	0.323	0.335	0.362	0.329			*
Bromodichloromethane		0.408	0.398	0.402	0.437	0.404			
cis-1,3-Dichloropropene		0.491	0.466	0.480	0.521	0.499			
4-Methyl-2-pentanone		0.765	0.798	0.861	0.910	0.997			
Toluene	*	0.831	0.735	0.751	0.800	0.714			*
trans-1,3-Dichloropropene		0.393	0.368	0.401	0.474	0.446			
1,1,2-Trichloroethane		0.331	0.286	0.281	0.308	0.288			
Tetrachloroethene		0.376	0.298	0.331	0.338	0.296			
2-Hexanone		0.305	0.345	0.332	0.342	0.361			
Dibromochloromethane		0.339	0.347	0.367	0.409	0.383			
1,2-Dibromoethane(EDB)		0.423	0.370	0.375	0.417	0.390			
Chlorobenzene	#	1.263	1.130	1.158	1.255	1.113			#
Ethylbenzene	*	0.614	0.605	0.595	0.639	0.576			*

280607 1339

FORM VI

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID: VMS03 Calibration Date Begin: 06/18/07 End: 06/18/07

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 1220 End: 1503

Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF1 =1PPB.D RRF2 =2PPB.D
RRF5 =5PPB.D RRF10 =10PPB.D RRF20 =20PPB.D

COMPOUND	RRF1	RRF2	RRF5	RRF10	RRF20	$\overline{RRF}$	%RSD OR R^2
p,m-Xylene	0.817	0.752	0.776	0.823	0.725		
o-Xylene	1.947	1.665	1.730	1.869	1.693		
Styrene	1.207	1.077	1.170	1.246	1.157		
Bromoform #	0.241	0.206	0.231	0.268	0.261		#
Isopropylbenzene (Cumene)	3.754	3.406	3.599	3.803	3.341		
1,1,2,2-Tetrachloroethane #	0.948	0.955	0.955	1.059	0.971		#
1,3-Dichlorobenzene	1.897	1.631	1.681	1.805	1.620		
1,4-Dichlorobenzene	2.003	1.678	1.686	1.771	1.594		
1,2-Dichlorobenzene	1.708	1.575	1.597	1.763	1.573		
1,2-Dibromo-3-chloropropane		0.119	0.137	0.169	0.158		
1,2,4-Trichlorobenzene	0.768	0.705	0.700	0.855	0.793		
1,2,3-Trichlorobenzene	0.649	0.620	0.595	0.760	0.690		
MTBE	0.807	0.860	0.847	0.837	0.910		
1,1,2-Trichlorotrifluoroethane	0.244	0.267	0.290	0.259	0.269		
Methyl Cyclohexane	0.441	0.404	0.422	0.435	0.388		
Methyl Acetate	0.345	0.311	0.306	0.324	0.288		
Cyclohexane	0.536	0.514	0.598	0.606	0.547		
==========							
Dibromofluoromethane(SURR)		0.304	0.241	0.244	0.263		
Toluene d8(SURR)		1.190	0.950	0.967	1.051		
4-Bromofluorobenzene(SURR)		1.254	1.011	1.033	1.066		
1,2-Dichloroethane-d4(SURR)		0.067	0.050	0.056	0.060		

280607 1339

FORM VI

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID: VMS03 Calibration Date Begin: 06/18/07 End: 06/18/07

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 1220 End: 1503

Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF50 =50PPB.D RRF60 =60PPB.D
RRF80 =80PPB.D

COMPOUND		RRF50	RRF60	RRF80			$\overline{RRF}$	%RSD OR R^2	
Dichlorodifluoromethane		0.335	0.324	0.319			0.32591	4.8	
Chloromethane	#	0.439	0.449	0.445			0.49548	0.99983	#
Vinyl chloride	*	0.255	0.251	0.240			0.30801	0.9998	*
Bromomethane		0.184	0.192	0.197			0.19118	5.4	
Chloroethane		0.218	0.219	0.218			0.24146	0.99949	
Trichlorofluoromethane		0.429	0.463	0.454			0.43885	4.4	
1,1-Dichloroethene	*	0.475	0.491	0.501			0.49889	6.7	*
Carbon disulfide		0.881	0.927	0.930			0.92354	5.6	
Methylene chloride		0.489	0.489	0.495			0.52416	10.4	
trans-1,2-Dichloroethene		0.443	0.452	0.449			0.45424	3.2	
1,1-Dichloroethane	#	0.556	0.575	0.567			0.57818	5.3	#
Acetone		0.116	0.120	0.117			0.12992	0.99932	
cis-1,2-Dichloroethene		0.297	0.306	0.308			0.31032	5.3	
Bromochloromethane		0.296	0.299	0.296			0.3111	5.6	
2-Butanone		0.157	0.158	0.161			0.16551	5.8	
Chloroform	*	0.524	0.531	0.532			0.5496	4.3	*
1,1,1-Trichloroethane		0.413	0.424	0.414			0.42549	4.7	
Carbon tetrachloride		0.308	0.327	0.323			0.305	5.1	
Benzene		1.111	1.146	1.129			1.1789	5.4	
1,2-Dichloroethane		0.464	0.466	0.467			0.48071	3.8	
Trichloroethene		0.275	0.287	0.286			0.29423	5.5	
1,2-Dichloropropane	*	0.321	0.335	0.333			0.33967	6.1	*
Bromodichloromethane		0.408	0.422	0.415			0.41171	3.1	
cis-1,3-Dichloropropene		0.517	0.529	0.532			0.50449	4.8	
4-Methyl-2-pentanone		0.953	0.923	0.872			0.88492	8.7	
Toluene	*	0.714	0.732	0.743			0.75247	5.6	*
trans-1,3-Dichloropropene		0.465	0.471	0.483			0.43757	10.1	
1,1,2-Trichloroethane		0.277	0.276	0.273			0.29007	6.8	
Tetrachloroethene		0.295	0.307	0.302			0.31769	9	
2-Hexanone		0.343	0.336	0.327			0.33652	4.8	
Dibromochloromethane		0.410	0.403	0.415			0.38409	7.8	
1,2-Dibromoethane(EDB)		0.393	0.388	0.390			0.39311	4.7	
Chlorobenzene	#	1.112	1.136	1.139			1.16324	5.2	#
Ethylbenzene	*	0.574	0.587	0.598			0.5984	3.6	*

280607 1339

FORM VI

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID: VMS03 Calibration Date Begin: 06/18/07 End: 06/18/07

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 1220 End: 1503

Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF50 =50PPB.D RRF60 =60PPB.D
RRF80 =80PPB.D

COMPOUND	RRF50	RRF60	RRF80			$\overline{RRF}$	%RSD OR R^2
p,m-Xylene	0.739	0.760	0.762			0.76934	4.6
o-Xylene	1.713	1.746	1.759			1.76524	5.4
Styrene	1.195	1.227	1.254			1.19168	4.8
Bromoform #	0.277	0.272	0.289			0.25542	10.8 #
Isopropylbenzene (Cumene)	3.413	3.480	3.305			3.51257	5.3
1,1,2,2-Tetrachloroethane #	0.923	0.910	0.883			0.95057	5.5 #
1,3-Dichlorobenzene	1.602	1.647	1.609			1.68639	6.4
1,4-Dichlorobenzene	1.603	1.643	1.574			1.69411	8.3
1,2-Dichlorobenzene	1.597	1.596	1.560			1.6213	4.5
1,2-Dibromo-3-chloropropane	0.170	0.162	0.164			0.1543	12.4
1,2,4-Trichlorobenzene	0.878	0.907	0.909			0.81433	0.99955
1,2,3-Trichlorobenzene	0.762	0.788	0.777			0.70515	0.99932
MTBE	0.813	0.830	0.924			0.85328	5
1,1,2-Trichlorotrifluoroethane	0.285	0.303	0.297			0.27654	7.3
Methyl Cyclohexane	0.402	0.423	0.418			0.4164	4.3
Methyl Acetate	0.274	0.280	0.284			0.30149	8.1
Cyclohexane	0.558	0.579	0.580			0.56475	5.6
==========							
Dibromofluoromethane(SURR)	0.257	0.262	0.249			0.25982	8.2
Toluene d8(SURR)	1.021	1.047	1.021			1.03516	7.5
4-Bromofluorobenzene(SURR)	1.036	1.045	0.986			1.06151	8.4
1,2-Dichloroethane-d4(SURR)	0.061	0.061	0.059			0.059	8.8

7SSC

VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID: VMS03 CalibrationDate: 06/15/07 Time: 0920

CCV ID: SSC521881 Lab File ID: SEC31.D Init. Calib. Date Begin: 06/15/07 End: 06/15/07

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND		Expected	Found	%D / %Drift	Curve Type	
Dichlorodifluoromethane		0.226	0.21491	4.9	AVRG	
Chloromethane	#	50	48.9	2.2	2ORD	#
Vinyl chloride	*	50	52.2	4.4	2ORD	*
Bromomethane		0.17065	0.17372	1.8	AVRG	
Chloroethane		50	52	4.0	2ORD	
Trichlorofluoromethane		0.40066	0.37739	5.8	AVRG	
1,1-Dichloroethene	*	0.49137	0.49909	1.6	AVRG	*
Carbon disulfide		0.90702	0.9367	3.3	AVRG	
Methylene chloride		0.49872	0.48974	1.8	AVRG	
trans-1,2-Dichloroethene		0.44643	0.45343	1.6	AVRG	
1,1-Dichloroethane	#	0.55763	0.56532	1.4	AVRG	#
Acetone		80	85.9	7.4	2ORD	
cis-1,2-Dichloroethene		0.29927	0.31141	4.1	AVRG	
Bromochloromethane		0.3038	0.29671	2.3	AVRG	
2-Butanone		0.14891	0.15574	4.6	AVRG	
Chloroform	*	0.54222	0.53395	1.5	AVRG	*
1,1,1-Trichloroethane		0.417	0.44061	5.7	AVRG	
Carbon tetrachloride		0.31157	0.33836	8.6	AVRG	
Benzene		1.14129	1.147	0.5	AVRG	
1,2-Dichloroethane		0.47521	0.48043	1.1	AVRG	
Trichloroethene		0.28791	0.29488	2.4	AVRG	
1,2-Dichloropropane	*	0.32616	0.33384	2.4	AVRG	*
Bromodichloromethane		0.40406	0.42267	4.6	AVRG	
cis-1,3-Dichloropropene		0.48992	0.53481	9.2	AVRG	
4-Methyl-2-pentanone		0.83987	0.87721	4.4	AVRG	
Toluene	*	0.7346	0.76241	3.8	AVRG	*
trans-1,3-Dichloropropene		0.41787	0.47623	14.0	AVRG	
1,1,2-Trichloroethane		0.27356	0.27271	0.3	AVRG	
Tetrachloroethene		0.31487	0.32516	3.3	AVRG	
2-Hexanone		0.29102	0.32013	10.0	AVRG	
Dibromochloromethane		0.37591	0.4091	8.8	AVRG	
1,2-Dibromoethane(EDB)		0.36911	0.38762	5.0	AVRG	
Chlorobenzene	#	1.15286	1.16	0.6	AVRG	#
Ethylbenzene	*	0.58173	0.61267	5.3	AVRG	*
p,m-Xylene		0.7607	0.78522	3.2	AVRG	
o-Xylene		1.72434	1.794	4.0	AVRG	

280607 1340

FORM VII

7SSC

VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID: VMS03 CalibrationDate: 06/15/07 Time: 0920

CCV ID: SSC521881 Lab File ID: SEC31.D Init. Calib. Date Begin: 06/15/07 End: 06/15/07

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
Styrene	1.20271	1.31	8.9	AVRG
Bromoform #	0.24766	0.26805	8.2	AVRG #
Isopropylbenzene (Cumene)	3.45089	3.626	5.1	AVRG
1,1,2,2-Tetrachloroethane #	0.9054	0.9019	0.4	AVRG #
1,3-Dichlorobenzene	1.65009	1.696	2.8	AVRG
1,4-Dichlorobenzene	1.63318	1.697	3.9	AVRG
1,2-Dichlorobenzene	1.56523	1.646	5.2	AVRG
1,2-Dibromo-3-chloropropane	0.14522	0.15316	5.5	AVRG
1,2,4-Trichlorobenzene	50	51.8	3.6	2ORD
1,2,3-Trichlorobenzene	50	50.9	1.8	2ORD
MTBE	0.79518	0.88058	10.7	AVRG
1,1,2-Trichlorotrifluoroethane	0.26576	0.28343	6.6	AVRG
Methyl Cyclohexane	0.40053	0.43224	7.9	AVRG
Methyl Acetate	0.27347	0.25893	5.3	AVRG
Cyclohexane	0.54286	0.57742	6.4	AVRG
==========				
Dibromofluoromethane(SURR)	0.26851	0.25636	4.5	AVRG
Toluene d8(SURR)	1.05432	1.023	3.0	AVRG
4-Bromofluorobenzene(SURR)	1.0969	1.046	4.6	AVRG
1,2-Dichloroethane-d4(SURR)	0.06031	0.05743	4.8	AVRG

280607 1340

FORM VII

VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID: VMS03 CalibrationDate: 06/15/07 Time: 1018

CCV ID: CCV521863 Lab File ID: 50CCV31.D Init. Calib. Date Begin: 06/15/07 End: 06/15/07

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND		Expected	Found	%D / %Drift	Curve Type	
Dichlorodifluoromethane		0.226	0.20175	10.7	AVRG	
Chloromethane	#	50	47.3	5.4	2ORD	#
Vinyl chloride	*	50	50.5	1.0	2ORD	*
Bromomethane		0.17065	0.16439	3.7	AVRG	
Chloroethane		50	49.1	1.8	2ORD	
Trichlorofluoromethane		0.40066	0.37998	5.2	AVRG	
1,1-Dichloroethene	*	0.49137	0.49133	0.0	AVRG	*
Carbon disulfide		0.90702	0.89787	1.0	AVRG	
Methylene chloride		0.49872	0.48052	3.6	AVRG	
trans-1,2-Dichloroethene		0.44643	0.44578	0.1	AVRG	
1,1-Dichloroethane	#	0.55763	0.56074	0.6	AVRG	#
Acetone		100	106	6.0	2ORD	
cis-1,2-Dichloroethene		0.29927	0.30573	2.2	AVRG	
Bromochloromethane		0.3038	0.29322	3.5	AVRG	
2-Butanone		0.14891	0.16114	8.2	AVRG	
Chloroform	*	0.54222	0.52315	3.5	AVRG	*
1,1,1-Trichloroethane		0.417	0.4105	1.6	AVRG	
Carbon tetrachloride		0.31157	0.3176	1.9	AVRG	
Benzene		1.14129	1.122	1.7	AVRG	
1,2-Dichloroethane		0.47521	0.46469	2.2	AVRG	
Trichloroethene		0.28791	0.29038	0.9	AVRG	
1,2-Dichloropropane	*	0.32616	0.323	1.0	AVRG	*
Bromodichloromethane		0.40406	0.41416	2.5	AVRG	
cis-1,3-Dichloropropene		0.48992	0.52182	6.5	AVRG	
4-Methyl-2-pentanone		0.83987	0.87894	4.7	AVRG	
Toluene	*	0.7346	0.73442	0.0	AVRG	*
trans-1,3-Dichloropropene		0.41787	0.46029	10.2	AVRG	
1,1,2-Trichloroethane		0.27356	0.26743	2.2	AVRG	
Tetrachloroethene		0.31487	0.30897	1.9	AVRG	
2-Hexanone		0.29102	0.31681	8.9	AVRG	
Dibromochloromethane		0.37591	0.40214	7.0	AVRG	
1,2-Dibromoethane(EDB)		0.36911	0.37263	1.0	AVRG	
Chlorobenzene	#	1.15286	1.144	0.8	AVRG	#
Ethylbenzene	*	0.58173	0.5966	2.6	AVRG	*
p,m-Xylene		0.7607	0.75248	1.1	AVRG	
o-Xylene		1.72434	1.751	1.5	AVRG	

280607 1340

FORM VII

VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID: VMS03 CalibrationDate: 06/15/07 Time: 1018

CCV ID: CCV521863 Lab File ID: 50CCV31.D Init. Calib. Date Begin: 06/15/07 End: 06/15/07

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
Styrene	1.20271	1.248	3.8	AVRG
Bromoform #	0.24766	0.26714	7.9	AVRG #
Isopropylbenzene (Cumene)	3.45089	3.445	0.2	AVRG
1,1,2,2-Tetrachloroethane #	0.9054	0.89434	1.2	AVRG #
1,3-Dichlorobenzene	1.65009	1.66	0.6	AVRG
1,4-Dichlorobenzene	1.63318	1.619	0.9	AVRG
1,2-Dichlorobenzene	1.56523	1.613	3.1	AVRG
1,2-Dibromo-3-chloropropane	0.14522	0.15816	8.9	AVRG
1,2,4-Trichlorobenzene	50	50.3	0.6	2ORD
1,2,3-Trichlorobenzene	50	51.1	2.2	2ORD
MTBE	0.79518	0.85737	7.8	AVRG
1,1,2-Trichlorotrifluoroethane	0.26576	0.27184	2.3	AVRG
Methyl Cyclohexane	0.40053	0.40636	1.5	AVRG
Methyl Acetate	0.27347	0.26437	3.3	AVRG
Cyclohexane	0.54286	0.55188	1.7	AVRG
==========				
Dibromofluoromethane(SURR)	0.26851	0.2501	6.9	AVRG
Toluene d8(SURR)	1.05432	0.99621	5.5	AVRG
4-Bromofluorobenzene(SURR)	1.0969	1.031	6.0	AVRG
1,2-Dichloroethane-d4(SURR)	0.06031	0.05719	5.2	AVRG

7SSC

VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID: VMS03 CalibrationDate: 06/18/07 Time: 1527

CCV ID: SSC522042 Lab File ID: SEC31.D Init. Calib. Date Begin: 06/18/07 End: 06/18/07

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND		Expected	Found	%D / %Drift	Curve Type	
Dichlorodifluoromethane		0.32591	0.31207	4.2	AVRG	
Chloromethane	#	50	50.1	0.2	2ORD	#
Vinyl chloride	*	50	50.1	0.2	2ORD	*
Bromomethane		0.19118	0.19043	0.4	AVRG	
Chloroethane		50	52.2	4.4	2ORD	
Trichlorofluoromethane		0.43885	0.45257	3.1	AVRG	
1,1-Dichloroethene	*	0.49889	0.49368	1.0	AVRG	*
Carbon disulfide		0.92354	0.92655	0.3	AVRG	
Methylene chloride		0.52416	0.48857	6.8	AVRG	
trans-1,2-Dichloroethene		0.45424	0.45699	0.6	AVRG	
1,1-Dichloroethane	#	0.57818	0.58451	1.1	AVRG	#
Acetone		80	80.2	0.3	2ORD	
cis-1,2-Dichloroethene		0.31032	0.31192	0.5	AVRG	
Bromochloromethane		0.3111	0.30539	1.8	AVRG	
2-Butanone		0.16551	0.15827	4.4	AVRG	
Chloroform	*	0.5496	0.53304	3.0	AVRG	*
1,1,1-Trichloroethane		0.42549	0.43361	1.9	AVRG	
Carbon tetrachloride		0.305	0.33117	8.6	AVRG	
Benzene		1.1789	1.157	1.9	AVRG	
1,2-Dichloroethane		0.48071	0.46806	2.6	AVRG	
Trichloroethene		0.29423	0.29096	1.1	AVRG	
1,2-Dichloropropane	*	0.33967	0.33574	1.2	AVRG	*
Bromodichloromethane		0.41171	0.41577	1.0	AVRG	
cis-1,3-Dichloropropene		0.50449	0.52768	4.6	AVRG	
4-Methyl-2-pentanone		0.88492	0.95316	7.7	AVRG	
Toluene	*	0.75247	0.73941	1.7	AVRG	*
trans-1,3-Dichloropropene		0.43757	0.47337	8.2	AVRG	
1,1,2-Trichloroethane		0.29007	0.27391	5.6	AVRG	
Tetrachloroethene		0.31769	0.31581	0.6	AVRG	
2-Hexanone		0.33652	0.33669	0.1	AVRG	
Dibromochloromethane		0.38409	0.41152	7.1	AVRG	
1,2-Dibromoethane(EDB)		0.39311	0.39266	0.1	AVRG	
Chlorobenzene	#	1.16324	1.142	1.8	AVRG	#
Ethylbenzene	*	0.5984	0.60873	1.7	AVRG	*
p,m-Xylene		0.76934	0.77656	0.9	AVRG	
o-Xylene		1.76524	1.771	0.3	AVRG	

280607 1340

FORM VII

7SSC

VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID: VMS03 CalibrationDate: 06/18/07 Time: 1527

CCV ID: SSC522042 Lab File ID: SEC31.D Init. Calib. Date Begin: 06/18/07 End: 06/18/07

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
Styrene	1.19168	1.241	4.1	AVRG
Bromoform #	0.25542	0.27133	6.2	AVRG #
Isopropylbenzene (Cumene)	3.51257	3.579	1.9	AVRG
1,1,2,2-Tetrachloroethane #	0.95057	0.93008	2.2	AVRG #
1,3-Dichlorobenzene	1.68639	1.675	0.7	AVRG
1,4-Dichlorobenzene	1.69411	1.664	1.8	AVRG
1,2-Dichlorobenzene	1.6213	1.611	0.6	AVRG
1,2-Dibromo-3-chloropropane	0.1543	0.15852	2.7	AVRG
1,2,4-Trichlorobenzene	50	52.1	4.2	2ORD
1,2,3-Trichlorobenzene	50	51	2.0	2ORD
MTBE	0.85328	0.86198	1.0	AVRG
1,1,2-Trichlorotrifluoroethane	0.27654	0.30526	10.4	AVRG
Methyl Cyclohexane	0.4164	0.42704	2.6	AVRG
Methyl Acetate	0.30149	0.27723	8.0	AVRG
Cyclohexane	0.56475	0.59062	4.6	AVRG
==========				
Dibromofluoromethane(SURR)	0.25982	0.25983	0.0	AVRG
Toluene d8(SURR)	1.03516	1.051	1.5	AVRG
4-Bromofluorobenzene(SURR)	1.06151	1.078	1.6	AVRG
1,2-Dichloroethane-d4(SURR)	0.059	0.06168	4.5	AVRG

280607 1340

FORM VII

VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID: VMS03 CalibrationDate: 06/18/07 Time: 1659

CCV ID: CCV522029 Lab File ID: 50CCV32.D Init. Calib. Date Begin: 06/18/07 End: 06/18/07

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND		Expected	Found	%D / %Drift	Curve Type	
Dichlorodifluoromethane		0.32591	0.29916	8.2	AVRG	
Chloromethane	#	50	49.3	1.4	2ORD	#
Vinyl chloride	*	50	50.1	0.2	2ORD	*
Bromomethane		0.19118	0.19096	0.1	AVRG	
Chloroethane		50	51.8	3.6	2ORD	
Trichlorofluoromethane		0.43885	0.45087	2.7	AVRG	
1,1-Dichloroethene	*	0.49889	0.48515	2.8	AVRG	*
Carbon disulfide		0.92354	0.90643	1.9	AVRG	
Methylene chloride		0.52416	0.48972	6.6	AVRG	
trans-1,2-Dichloroethene		0.45424	0.44778	1.4	AVRG	
1,1-Dichloroethane	#	0.57818	0.54469	5.8	AVRG	#
Acetone		100	97	3.0	2ORD	
cis-1,2-Dichloroethene		0.31032	0.30614	1.3	AVRG	
Bromochloromethane		0.3111	0.30325	2.5	AVRG	
2-Butanone		0.16551	0.15903	3.9	AVRG	
Chloroform	*	0.5496	0.52475	4.5	AVRG	*
1,1,1-Trichloroethane		0.42549	0.41757	1.9	AVRG	
Carbon tetrachloride		0.305	0.31757	4.1	AVRG	
Benzene		1.1789	1.152	2.3	AVRG	
1,2-Dichloroethane		0.48071	0.46668	2.9	AVRG	
Trichloroethene		0.29423	0.28751	2.3	AVRG	
1,2-Dichloropropane	*	0.33967	0.33254	2.1	AVRG	*
Bromodichloromethane		0.41171	0.4083	0.8	AVRG	
cis-1,3-Dichloropropene		0.50449	0.5247	4.0	AVRG	
4-Methyl-2-pentanone		0.88492	0.88386	0.1	AVRG	
Toluene	*	0.75247	0.74253	1.3	AVRG	*
trans-1,3-Dichloropropene		0.43757	0.45702	4.4	AVRG	
1,1,2-Trichloroethane		0.29007	0.27971	3.6	AVRG	
Tetrachloroethene		0.31769	0.30784	3.1	AVRG	
2-Hexanone		0.33652	0.33221	1.3	AVRG	
Dibromochloromethane		0.38409	0.39778	3.6	AVRG	
1,2-Dibromoethane(EDB)		0.39311	0.38718	1.5	AVRG	
Chlorobenzene	#	1.16324	1.122	3.5	AVRG	#
Ethylbenzene	*	0.5984	0.58989	1.4	AVRG	*
p,m-Xylene		0.76934	0.75425	2.0	AVRG	
o-Xylene		1.76524	1.747	1.0	AVRG	

280607 1340

FORM VII

VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID: VMS03 CalibrationDate: 06/18/07 Time: 1659

CCV ID: CCV522029 Lab File ID: 50CCV32.D Init. Calib. Date Begin: 06/18/07 End: 06/18/07

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
Styrene	1.19168	1.259	5.6	AVRG
Bromoform #	0.25542	0.26831	5.0	AVRG #
Isopropylbenzene (Cumene)	3.51257	3.503	0.3	AVRG
1,1,2,2-Tetrachloroethane #	0.95057	0.92506	2.7	AVRG #
1,3-Dichlorobenzene	1.68639	1.682	0.3	AVRG
1,4-Dichlorobenzene	1.69411	1.646	2.8	AVRG
1,2-Dichlorobenzene	1.6213	1.601	1.3	AVRG
1,2-Dibromo-3-chloropropane	0.1543	0.16573	7.4	AVRG
1,2,4-Trichlorobenzene	50	53.2	6.4	2ORD
1,2,3-Trichlorobenzene	50	53.2	6.4	2ORD
MTBE	0.85328	0.9039	5.9	AVRG
1,1,2-Trichlorotrifluoroethane	0.27654	0.29167	5.5	AVRG
Methyl Cyclohexane	0.4164	0.41165	1.1	AVRG
Methyl Acetate	0.30149	0.28682	4.9	AVRG
Cyclohexane	0.56475	0.5724	1.4	AVRG
==========				
Dibromofluoromethane(SURR)	0.25982	0.26087	0.4	AVRG
Toluene d8(SURR)	1.03516	1.041	0.6	AVRG
4-Bromofluorobenzene(SURR)	1.06151	1.058	0.3	AVRG
1,2-Dichloroethane-d4(SURR)	0.059	0.06091	3.2	AVRG

280607 1340

FORM VII

GC FL-PRO ORGANICS

METHOD FL-PRO

280607 1340

CASE NARRATIVE
FLORIDA PETROLEUM RANGE ORGANICS (FL PRO) SEMIVOLATILE ORGANICS

PEL Lab Reference No./SDG: 2506964

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

Florida DEP/FL PRO

IV. PREPARATION

Water samples were prepared by SW846 EPA 3510 for FL PRO semi-volatile analysis.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

All acceptance criteria were met.

C. Surrogates:

All acceptance criteria were met with the exception of:
Sample TO05MW40ABL was recovered below criteria for the following surrogate(s): o-Terphenyl Surrogate at 80.2 % with criteria of (82-142). Sample was reported to have formed an emulsion. This matrix interference could cause poor surrogate recoveries. Secondary surrogate met criteria, so no further action was taken.

Samples coded accordingly.

D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

A client requested MS/SD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

CASE NARRATIVE
FLORIDA PETROLEUM RANGE ORGANICS (FL PRO) SEMIVOLATILE ORGANICS

PEL Lab Reference No./SDG: 2506964

Client: CH2M Hill

E. Internal Standards:

This method does not require the use of internal standards.

F. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

SIGNED: **DATE: 06/17/2007**

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CASE NARRATIVE
FLORIDA PETROLEUM RANGE ORGANICS (FL PRO) SEMIVOLATILE ORGANICS

PEL Lab Reference No./SDG: 2506964

Client: CH2M Hill

MANUAL INTEGRATION SUMMARY

The following analytes were manually integrated by the chemist.

Sample: 3020LCS Analyte: C39 Surrogate Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: 3020LCS Analyte: o-Terphenyl Surrogate Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: 3020LCS Analyte: TPH Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: 3020MB Analyte: C39 Surrogate Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: 3020MB Analyte: o-Terphenyl Surrogate Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: 3020MB Analyte: TPH Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: TO0540AMSBL Analyte: C39 Surrogate Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: TO0540AMSBL Analyte: o-Terphenyl Surrogate Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: TO0540AMSBL Analyte: TPH Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: TO0540AMSDBL Analyte: C39 Surrogate Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: TO0540AMSDBL Analyte: o-Terphenyl Surrogate Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: TO0540AMSDBL Analyte: TPH Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: TO05MW40ABL Analyte: C39 Surrogate Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: TO05MW40ABL Analyte: o-Terphenyl Surrogate Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: TO05MW40ABL Analyte: TPH Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: TO05MW40BBL Analyte: C39 Surrogate Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: TO05MW40BBL Analyte: o-Terphenyl Surrogate Reason: Range method-surrogates were not properly identified denoting a manual change
Sample: TO05MW40BBL Analyte: TPH Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV521078 Analyte: C39 Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change

PEL Lab Reference No./SDG: 2506964

Client: CH2M Hill

Calibration Sample: CCV521078 Analyte: o-Terphenyl Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV521078 Analyte: TPH Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV521429 Analyte: C39 Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV521429 Analyte: o-Terphenyl Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV521429 Analyte: TPH Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV521432 Analyte: C39 Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV521432 Analyte: o-Terphenyl Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV521432 Analyte: TPH Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV521516 Analyte: C39 Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV521516 Analyte: o-Terphenyl Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: CCV521516 Analyte: TPH Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519630 Analyte: C39 Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519630 Analyte: o-Terphenyl Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519630 Analyte: TPH Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519631 Analyte: C39 Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519631 Analyte: o-Terphenyl Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519631 Analyte: TPH Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519632 Analyte: C39 Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519632 Analyte: o-Terphenyl Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519632 Analyte: TPH Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519633 Analyte: C39 Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change

CASE NARRATIVE
FLORIDA PETROLEUM RANGE ORGANICS (FL PRO) SEMIVOLATILE ORGANICS

PEL Lab Reference No./SDG: 2506964

Client: CH2M Hill

Calibration Sample: STD519633 Analyte: o-Terphenyl Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519633 Analyte: TPH Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519634 Analyte: C39 Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519634 Analyte: o-Terphenyl Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519634 Analyte: TPH Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519635 Analyte: C39 Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519635 Analyte: o-Terphenyl Surrogate(SURR) Reason: Range method-surrogates were not properly identified denoting a manual change
Calibration Sample: STD519635 Analyte: TPH Reason: Range method-surrogates were not properly identified denoting a manual change

These manual integrations have been reviewed and meet all criteria in accordance with PEL's SOP regarding manual integration.

CHEMIST: **DATE: 06/17/2007**

SECTION LEADER: **DATE: 06/17/2007**

W:\Narratives\SemiVols\2506\2506964_FL-PRO.doc

FL-PRO ORGANIC CROSS REFERENCE TABLE

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Method: FL-PRO

EPA Sample No	Lab Sample ID
TO05MW40ABL	250696401
TO05MW40BBL	250696404
TO05FD02BL	250696405

280607 1340

Sample Data

280607 1340

1

FL-PRO ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW40ABL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696401 Lab File ID: 964-1.D

Sample wt/vol: 940 Units: ML Date Received: 06/09/07

Concentrated Extract Volume: 2 Date Extracted: 06/11/07

Level:(low/med) LOW Date Analyzed: 06/16/07 Time: 1442

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: SEPF Station ID: OLD-OU2-40A Method: FL-PRO

GPC Cleanup : (Y/N) N pH:

Column(1): RTX-5 ID: 0.53 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
5289290-40-0	TPH	362	U

280607 1340

Form I

1

FL-PRO ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW40BBL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696404 Lab File ID: 964-4.D

Sample wt/vol: 935 Units: ML Date Received: 06/09/07

Concentrated Extract Volume: 2 Date Extracted: 06/11/07

Level:(low/med) LOW Date Analyzed: 06/15/07 Time: 1539

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: SEPF Station ID: OLD-OU2-40B Method: FL-PRO

GPC Cleanup : (Y/N) N pH:

Column(1): RTX-5 ID: 0.53 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
5289290-40-0	TPH	140	J

280607 1340

Form I

1

FL-PRO ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05FD02BL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696405 Lab File ID: 964-5.D

Sample wt/vol: 905 Units: ML Date Received: 06/09/07

Concentrated Extract Volume: 2 Date Extracted: 06/11/07

Level:(low/med) LOW Date Analyzed: 06/15/07 Time: 1615

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: SEPF Station ID: OLD-OU2-40B Method: FL-PRO

GPC Cleanup : (Y/N) N pH:

Column(1): RTX-5 ID: 0.53 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
5289290-40-0	TPH	170	J

280607 1340

Form I

QC Summary

280607 1340

1

FL-PRO ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

3020MB

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 243616 Lab File ID: 3020MB.D

Sample wt/vol: 1000 Units: ML Date Received: 06/11/07

Concentrated Extract Volume: 2 Date Extracted: 06/11/07

Level:(low/med) LOW Date Analyzed: 06/15/07 Time: 1316

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: SEPF Station ID: Method: FL-PRO

GPC Cleanup : (Y/N) N pH:

Column(1): RTX-5 ID: 0.53 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
5289290-40-0	TPH	340	U

280607 1340

Form I

FL-PRO ORGANIC METHOD BLANK SUMMARY

EPA Sample No.: 3020MB

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Lab File ID: 3020MB.D Lab Sample ID: 243616

Instrument ID: SFID01 Date Extracted: 06/11/07

Matrix: WATER Date Analyzed: 06/15/07

Level:(low/med) LOW Time Analyzed: 1316

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	3020LCS	243617	3020LCS.D	06/15/07	1352
2	TO0540AMSBL	250696402	964-1MS.D	06/15/07	1428
3	TO0540AMSDBL	250696403	964-1MSD.D	06/15/07	1503
4	TO05MW40BBL	250696404	964-4.D	06/15/07	1539
5	TO05FD02BL	250696405	964-5.D	06/15/07	1615
6	TO05MW40ABL	250696401	964-1.D	06/16/07	1442

COMMENTS:

Page 1 of 1

280607 1340

Form IV

2A

WATER FL-PRO ORGANIC SURROGATE RECOVERY

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG NO.: 2506964

Column(1): RTX-5 ID: 0.53 (mm)

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
3020LCS	88.0	73.3					0
3020MB	82.0	64.7					0
TO0540AMSBL	86.0	68.8					0
TO0540AMSDBL	84.0	68.8					0
TO05FD02BL	85.5	96.4					0
TO05MW40ABL	80.2 *	62.5					1
TO05MW40BBL	86.0	68.8					0

Control Limits

S1	=	o-Terphenyl Surrogate	82	-	142
S2	=	C39 Surrogate	42	-	193

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

Control limit source: (lab/method) METHOD

Form II

280607 1340

FL-PRO ORGANIC ANALYTICAL SEQUENCE

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date: 06/11/07

Instrument ID: SFID01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 8.41 S2 : 14.17

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
1	STD519635	19017	PROCAL61.D	06/11/07	1840	8.41	14.21
2	STD519634	19018	PROCAL5.D	06/11/07	1951	8.41	14.19
3	STD519633	19021	PROCAL4.D	06/11/07	2027	8.41	14.18
4	STD519632	19022	PROCAL3.D	06/11/07	2103	8.41	14.17
5	STD519631	19023	PROCAL2.D	06/11/07	2138	8.41	14.17
6	STD519630	19024	PROCAL11.D	06/11/07	2214	8.41	14.17
7	SSC519640	19025	PROSECC2.D	06/12/07	0001	8.4	14.16
8	CCV521078	19025	PROCCV1.D	06/15/07	1009	8.41	14.22
9	3020MB	243616	3020MB.D	06/15/07	1316	8.4	14.18
10	3020LCS	243617	3020LCS.D	06/15/07	1352	8.4	14.17
11	TO0540AMSBL	250696402	964-1MS.D	06/15/07	1428	8.4	14.18
12	TO0540AMSDBL	250696403	964-1MSD.D	06/15/07	1503	8.4	14.19
13	TO05MW40BBL	250696404	964-4.D	06/15/07	1539	8.4	14.19
14	TO05FD02BL	250696405	964-5.D	06/15/07	1615	8.4	14.17
15	CCV521429	19331	PROCCV2.D	06/15/07	1651	8.4	14.16
16	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/15/07	2322		
17	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/16/07	0551		
18	CCV521432	19331	PROCCV5.D	06/16/07	1220	8.4	14.18
19	TO05MW40ABL	250696401	964-1.D	06/16/07	1442	8.4	14.18
20	CCV521516	19331	PROCCV6.D	06/16/07	1851	8.4	14.15
21	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	0120		
22	ZZZZZZ	ZZZZZZ	ZZZZZZ	06/17/07	0749		

			QC LIMITS
S1	=	o-Terphenyl Surrogate	(+/- 0.2 MINUTES)
S2	=	C39 Surrogate	(+/- 0.46 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits

Page 1 of 1

280607 1340

FORM VIII

3

FL-PRO ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

3020LCS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
TPH	3400	2600	76.5		20.0	55 - 118

Spike Recovery: 0 out of 1 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

280607 1340

Form III

3

FL-PRO ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

TO0540AMSBL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
TPH	3640	0	2900	79.7	41 - 101

Spike Recovery: 0 out of 1 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

280607 1340

3

FL-PRO ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO- TO0540AMSDBL

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
TPH	3620	2900	80.1	0.0	20	41 - 101

RPD: 0 out of 1 outside limits

Spike Recovery: 0 out of 1 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

280607 1340

Standards Data

280607 1340

FL-PRO ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID: SFID01 Calibration Date Begin: 06/11/07 End: 06/11/07

GC Column: RTX-5 ID: 0.53 (mm) Calibration Time Begin: 1840 End: 2214

LAB FILE ID: RRF0.102 =PROCAL11.D RRF0.85 =PROCAL2.D
RRF1.7 =PROCAL3.D RRF2.55 =PROCAL4.D RRF5.1 =PROCAL5.D

COMPOUND	RRF0.102	RRF0.85	RRF1.7	RRF2.55	RRF5.1
TPH	71698058.824	38169985.882	41502712.353	42280037.255	42774626.863
==========					
C39 Surrogate(SURR)	37948150	37522283.333	28919950	37612916.667	37448216.667
o-Terphenyl Surrogate(SURR)	42743710	42193040	32693850	41655370	32530420

280607 1340

FORM VI

FL-PRO ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID: SFID01 Calibration Date Begin: 06/11/07 End: 06/11/07

GC Column: RTX-5 ID: 0.53 (mm) Calibration Time Begin: 1840 End: 2214

LAB FILE ID:	RRF6.8 =PROCAL61.D				
COMPOUND	RRF6.8				
TPH	39535981.029				
==========					
C39 Surrogate(SURR)	34867783.333				
o-Terphenyl Surrogate(SURR)	32892200				

280607 1340

FORM VI

FL-PRO ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID: SFID01 Calibration Date Begin: 06/11/07 End: 06/11/07

GC Column: RTX-5 ID: 0.53 (mm) Calibration Time Begin: 1840 End: 2214

COMPOUND	CURVE	COEFFICIENTS AO	A1	%RSD OR R^2
TPH	LINR	-0.0583465	2.475045E-08	0.99658
==========				
C39 Surrogate(SURR)	AVRG		35719883.3	9.8
o-Terphenyl Surrogate(SURR)	AVRG		37451431.7	13.9

280607 1340

FORM VI

FL-PRO ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID: SFID01 Calibration Date Begin: 06/11/07 End: 06/11/07

GC Column: RTX-5 ID: 0.53 (mm) Calibration Time Begin: 1840 End: 2214

Min RRF for SPCC(#) = 0 Max %RSD for CCC(*) = 0 %

LAB FILE ID: RT1: PROCAL11.D RT2: PROCAL2.D
RT3: PROCAL3.D RT4: PROCAL4.D RT5: PROCAL5.D

COMPOUND	RT1	RT2	RT3	RT4	RT5	MIDCAL RT	RT WINDOW FROM	RT WINDOW TO
TPH	7.950	7.950	7.950	7.950	7.950			
==========								
C39 Surrogate(SURR)	14.167	14.170	14.170	14.177	14.193			
o-Terphenyl Surrogate(SURR)	8.407	8.407	8.407	8.407	8.407			

280607 1340

FORM VI

6

FL-PRO ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID: SFID01 Calibration Date Begin: 06/11/07 End: 06/11/07

GC Column: RTX-5 ID: 0.53 (mm) Calibration Time Begin: 1840 End: 2214

Min RRF for SPCC(#) = 0 Max %RSD for CCC(*) = 0 %

LAB FILE ID: RT6: PROCAL61.D

COMPOUND	RT6					MIDCAL RT	RT WINDOW FROM	TO
TPH	7.950					7.950	0.900	15.000
==========								
C39 Surrogate(SURR)	14.207					14.170	13.710	14.630
o-Terphenyl Surrogate(SURR)	8.407					8.407	8.207	8.607

280607 1340

FORM VI

7SSC

FL-PRO ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID: SFID01 CalibrationDate: 06/12/07 Time: 0001

CCV ID: SSC519640 Lab File ID: PROSECC2.D Init. Calib. Date Begin: 06/11/07 End: 06/11/07

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
TPH	1.7	1.46	14.1	LINR
==========				
C39 Surrogate(SURR)	35719883	30469550	14.7	AVRG
o-Terphenyl Surrogate(SURR)	37451432	34609640	7.6	AVRG

280607 1340

FORM VII

FL-PRO ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID: SFID01 CalibrationDate: 06/15/07 Time: 1009

CCV ID: CCV521078 Lab File ID: PROCCV1.D Init. Calib. Date Begin: 06/11/07 End: 06/11/07

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
TPH	1.7	1.64	3.5	LINR
==========				
C39 Surrogate(SURR)	35719883	27521466.667	23.0	AVRG
o-Terphenyl Surrogate(SURR)	37451432	32286950	13.8	AVRG

280607 1340

FORM VII

FL-PRO ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID: SFID01 CalibrationDate: 06/15/07 Time: 1651

CCV ID: CCV521429 Lab File ID: PROCCV2.D Init. Calib. Date Begin: 06/11/07 End: 06/11/07

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
TPH	1.7	1.46	14.1	LINR
==========				
C39 Surrogate(SURR)	35719883	29115683.333	18.5	AVRG
o-Terphenyl Surrogate(SURR)	37451432	32167470	14.1	AVRG

280607 1340

FORM VII

FL-PRO ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID: SFID01 CalibrationDate: 06/16/07 Time: 1220

CCV ID: CCV521432 Lab File ID: PROCCV5.D Init. Calib. Date Begin: 06/11/07 End: 06/11/07

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
TPH	1.7	1.5	11.8	LINR
==========				
C39 Surrogate(SURR)	35719883	28075566.667	21.4	AVRG
o-Terphenyl Surrogate(SURR)	37451432	32769430	12.5	AVRG

280607 1340

FORM VII

FL-PRO ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID: SFID01 CalibrationDate: 06/16/07 Time: 1851

CCV ID: CCV521516 Lab File ID: PROCCV6.D Init. Calib. Date Begin: 06/11/07 End: 06/11/07

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
TPH	1.7	1.53	10.0	LINR
==========				
C39 Surrogate(SURR)	35719883	26803200	25.0	AVRG
o-Terphenyl Surrogate(SURR)	37451432	31566590	15.7	AVRG

280607 1340

FORM VII

Inorganics

280607 1340

Inorganic Data Qualifiers

C (Concentration) Qualifier - Entries and their meanings are:

J The reported value obtained was less than the RL but greater than or equal to the MDL.

E The reported value obtained was over calibration or linear range.

U The reported value obtained was less than the MDL or was not detected.

Q Qualifier - Entries and their meanings are:

U The reported value is estimated because of interference. An explanatory comment must be included under "Comments" on the Cover Page if the problem applies to all samples in this data package or on the individual FORM 1 if it is an isolated problem.

M Duplicate injection precision was not met (two analyses of the same sample did not agree).

N Spiked sample recovery not within control limits.

E Serial Dilution percent difference not within control limits.

S The reported value was determined by the Method of Standard Additions (MSA).

W Post-digestion spike for Furnace AA analysis is out of control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.

***** Duplicate analysis not within control limits.

+ Correlation coefficient for the MSA is less than 0.995.

X The data is flagged as rejected by analyst utilizing analytical judgement.

Entering "S", "W", or "+" is mutually exclusive. No combination of these qualifiers can apear in the same field.

M (Method) Qualifier - Enter one of the following:

P ICP
A Flame AA
F Furnace AA
CV Manual Cold Vapor AA
TC Total Organic Carbon
AS Semi-Automated Spectrophotometric
CA Midi-Distillation Spectrophotometric
T Titrimetric
C Manual Spectrophotometric
GR Gravimetric
NR Analyte was not required by your lab

280607 1340

Inorganic Sample ID Qualifiers

The qualifiers that may be appended to the lab sample ID and/or the client sample ID for inorganic analysis are defined below:

DL Diluted reanalysis. Indicates that the results of the original analysis of the sample contained compounds that exceeded the calibration range. The sample was diluted and reanalyzed. May be followed by a digit to indicate multiple dilutions of the sample. The results of more than one diluted reanalysis may be reported.

R Reanalysis. The extract was reanalyzed without re-extraction. The "R" is not used if the sample was also re-extracted. May be followed by a digit to indicate multiple reanalysis of the sample at the same dilution.

RE Re-extracted. The extract was reanalyzed with re-extraction. May be followed by a digit to indicate multiple re-extraction of the same sample at the same dilution.

MS Matrix spike (may be followed by a digit to indicate multiple matrix within a sample set).

SD Matrix spike duplicate (may be followed by a digit to indicate multiple matrix spike duplicate within a sample set).

A Post Digestion Spike.

L Serial Dilution.

280607 1340

METALS DATA PACKAGE
TOTALS

280607 1340

CASE NARRATIVE
METALS

PEL Lab Reference No./SDG: 2506964

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHOD

Analyses were performed according to PEL Laboratory's Standard Operating Procedures and EPA Method 6010B for ICP metals.

IV. PREPARATION

Water samples were prepared according to PEL Laboratory's Standard Operating Procedures and EPA Method 3010A.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met.

2. Method Blanks:

All acceptance criteria were met.

C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

2. Post Digestion Spike:

All acceptance criteria were met.

CASE NARRATIVE
METALS

PEL Lab Reference No./SDG: 2506964

Client: CH2M Hill

3. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

A client requested MS/SD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

D. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)

E. Serial Dilution:

All acceptance criteria were met.

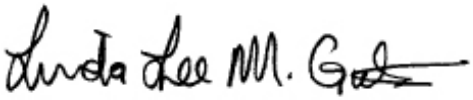
F. ICP Interference Check Samples:

All acceptance criteria were met.

G. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.



SIGNED: **DATE: 06/25/2007**

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SDG No.: 2506964

SOW No.:

EPA Sample No	Lab Sample ID
TO05MW40ABL	250696401
TO05MW40BBL	250696404
TO05FD02BL	250696405

Were ICP interelement corrections applied?	Yes/No	Yes
Were ICP background corrections applied?	Yes/No	Yes
If yes - were raw data generated before application of background corrections?	Yes/No	No

Comments:

280607 1340

Sample Data

280607 1340

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW40ABL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696401

Level:(low/med) LOW Date Received: 6/9/2007

PercentSolids: 0 Station ID: OLD-OU2-40A

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M
7440-23-5	Sodium	9260			P

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW40BBL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696404

Level:(low/med) LOW Date Received: 6/9/2007

PercentSolids: 0 Station ID: OLD-OU2-40B

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M
7440-23-5	Sodium	8230			P

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05FD02BL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696405

Level:(low/med) LOW Date Received: 6/9/2007

PercentSolids: 0 Station ID: OLD-OU2-40B

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M
7440-23-5	Sodium	8320			P

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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QC Summary

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Initial Calibration Source: 18567

Continuing Calibration Source: 18967

Concentration Units: (UG/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Sodium	40000	39400.000	98.5	25000	24800.000	99.2	24600.000	98.4	P

ICV IDs: P= ICV523166

CCV1 IDs: P= CCV523172

CCV2 IDs: P= CCV523184

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Initial Calibration Source:

Continuing Calibration Source: 18967

Concentration Units: (UG/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Sodium				25000	24600.000	98.4	24800.000	99.2	P

ICV IDs:

CCV1 IDs: P= CCV523199

CCV2 IDs: P= CCV523247

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

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3

BLANKS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Preparation Blank Matrix (water/soil): WATER

Preparation Blank Concentration Units (ug/L or mg/Kg): UG/L

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Sodium	540	U	540	U	540	U	540	U	540	U	P

ICB IDs: P= ICB523167

CCB1 IDs: P= CCB523173

CCB2 IDs: P= CCB523185

CCB3 IDs: P= CCB523186

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3

BLANKS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Preparation Blank Matrix (water/soil):

Preparation Blank Concentration Units (ug/L or mg/Kg):

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Sodium			540	U	540	U	540	U			P

ICB IDs:

CCB1 IDs: P= CCB523235

CCB2 IDs: P= CCB523236

CCB3 IDs: P= CCB523248

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4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

ICP ID#: ICAP2 ICSA Source: 17375

ICSAB Source: 18305

Concentration Units: UG/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Sodium	0	0	16.362			33.307		

ICSA: ICS523170, ICS523197

ICSAB: ICS523171, ICS523198

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5A

SPIKE SAMPLE RECOVERY

EPA Sample No.

TO0540AMSBL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0

Concentration Units (mg/L or mg/kg): UG/L

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Sodium	75 - 125	60600		9260		50000	102.7		P

Comments:

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5A

SPIKE SAMPLE RECOVERY

EPA Sample No.

TO0540AMSDBL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0

Concentration Units (mg/L or mg/kg): UG/L

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Sodium	75 - 125	59800		9260		50000	101.1		P

Comments:

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5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA Sample No.

TO05MW40ABLA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: Water Level:(low/med) LOW

Concentration Units (ug/L or mg/kg): ug/L

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Sodium	80 - 120	58000.00		9260.27		50000	97.5		P

Comments:

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6

DUPLICATES

EPA Sample No.

243576LCSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0 % Solids for Duplicate: 0

Concentration Units (mg/L or mg/kg): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Sodium	20	51000		50200		1.6		P

Comments:

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6

DUPLICATES

EPA Sample No.

TO0540AMSDBL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0 % Solids for Duplicate: 0

Concentration Units (mg/L or mg/kg): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Sodium	20	60600		59800		1.3		P

Comments:

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7

LABORATORY CONTROL SAMPLE

EPA Sample No.

243575LCS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Solid LCS Source:

Aqueous LCS Source: 19433, 18965

	Aqueous (UG/L)			Solid				
Analyte	True	Found	%R	True	Found	C	Limits	%R
Sodium	50000	51000	102.0				-	

280607 1340

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7

LABORATORY CONTROL SAMPLE

EPA Sample No.

243576LCSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Solid LCS Source:

Aqueous LCS Source: 19433, 18965

	Aqueous (UG/L)			Solid				
Analyte	True	Found	%R	True	Found	C	Limits	%R
Sodium	50000	50200	100.4				-	

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9

SERIAL DILUTIONS

EPA Sample No.

TO05MW40ABLL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: Water Level:(low/med) LOW

Concentration Units (ug/L or mg/kg): ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ-ence	Q	M
Sodium	9260.27		9190.00		0.76		P

Comments:

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10

METHOD DETECTION LIMITS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

ICP ID Number : ICAP2

Furnace AA ID Number :

Analyte	Wave-length (nm)	Raw MDL (UG/L)	CRDL (UG/L)	MDL (UG/L)	Verification Date	M
Sodium	589.592	180	540	180	7/17/2006	P

Comments:

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12

ICP LINEAR RANGES (SEMI-ANNUALLY)

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

ICP ID NUMBER : ICAP2 DATE : 11/3/2006

Analyte	Integ. Time (sec.)	Concentration UG/L	M
Sodium	1	250000	P

Comments:

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13

PREPARATION LOG

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Method : 6010

EPA Sample No:	Preparation Date	Weight (gram)	Volume (mL)
243574BLK	21 Jun 07		50
243575LCS	21 Jun 07		50
243576LCSD	21 Jun 07		50
TO0540AMSBL	21 Jun 07		50
TO0540AMSDBL	21 Jun 07		50
TO05FD02BL	21 Jun 07		50
TO05MW40ABL	21 Jun 07		50
TO05MW40BBL	21 Jun 07		50

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14

ANALYSIS RUN LOG

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID Number : ICAP2 Method : P

Start Date : 6/22/2007 End Date : 6/22/2007

EPA Sample No.	D/F	Time	%R	Analytes																									
				AG	AL	AS	BA	BE	CA	CD	CN	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TI	TL	V	ZN
CAL01	1	11:03																				X									
CAL02	1	11:07																				X									
CAL03	1	11:12																				X									
CAL04	1	11:16																				X									
CAL05	1	11:20																				X									
CAL06	1	11:24																				X									
ICV523166	1	11:32																				X									
ICB523167	1	11:36																				X									
ZZZZZZ	1	11:41																													
ZZZZZZ	1	11:45																													
ICSA	1	11:53																				X									
ICSAB	1	12:00																				X									
CCV523172	1	12:05																				X									
CCB523173	1	12:09																				X									
ZZZZZZ	1	12:13																													
ZZZZZZ	1	12:18																													
ZZZZZZ	1	12:22																													
ZZZZZZ	1	12:26																													
ZZZZZZ	5	12:31																													
ZZZZZZ	1	12:36																													
ZZZZZZ	1	12:40																													
ZZZZZZ	1	12:44																													
ZZZZZZ	1	12:49																													
ZZZZZZ	5	12:53																													
CCV523184	1	12:58																				X									
CCB523185	1	13:02																				X									
CCB523186	1	13:05																				X									
ZZZZZZ	1	13:09																													
ZZZZZZ	1	13:14																													
ZZZZZZ	1	13:19																													
ZZZZZZ	1	13:24																													
243574BLK	1	13:28																				X									
243575LCS	1	13:33																				X									
243576LCSD	1	13:38																				X									
TO05MW40ABL	1	13:42																				X									
TO05MW40ABLL	5	13:46																				X									

280607 1340

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14

ANALYSIS RUN LOG

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID Number : ICAP2 Method : P

Start Date : 6/22/2007 End Date : 6/22/2007

EPA Sample No.	D/F	Time	%R	Analytes																									
				AG	AL	AS	BA	BE	CA	CD	CN	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TI	TL	V	ZN
TO0540AMSBL	1	13:50																				X									
ICSA	1	13:54																				X									
ICSAB	1	13:59																				X									
CCV523199	1	14:03																				X									
CCB523235	1	14:07																				X									
CCB523236	1	14:10																				X									
TO0540AMSDBL	1	14:14																				X									
TO05MW40ABLA	1	14:19																				X									
TO05MW40BBL	1	14:23																				X									
TO05FD02BL	1	14:27																				X									
ZZZZZZ	1	14:31																													
ZZZZZZ	1	14:36																													
ZZZZZZ	1	14:40																													
ZZZZZZ	1	14:44																													
ZZZZZZ	5	14:48																													
ZZZZZZ	1	14:53																													
CCV523247	1	14:57																				X									
CCB523248	1	15:01																				X									

280607 1340

WET CHEMISTRY DATA PACKAGE
TOTALS

280607 1340

CASE NARRATIVE
RESIDUE, FILTERABLE (TDS)

PEL Lab Reference No./SDG: 2506964

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

Analyses were performed according to PEL Laboratory's Standard Operating Procedures and EPA Method 160.1.

IV. PREPARATION

Water samples were prepared according to PEL Laboratory's Standard Operating Procedures and EPA Method 160.1.

V. ANALYSIS

A. Blanks:

1. Method Blanks:

All acceptance criteria were met.

B. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

Spikes are not available for this method.

C. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)

D. Samples:

Sample analysis proceeded normally.

CASE NARRATIVE
RESIDUE, FILTERABLE (TDS)

PEL Lab Reference No./SDG: 2506964

Client: CH2M Hill

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

SIGNED: **DATE: 06/13/2007**

CASE NARRATIVE
Anions by Ion Chromatography

PEL Lab Reference No./SDG: 2506964

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Analysis: All holding times were met.

III. METHOD

Analyses were performed according to EPA method 300.1 and PEL Laboratory's Standard Operating Procedure.

IV. PREPARATION

There is no preparation step for this method.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met.

2. Method Blanks:

All acceptance criteria were met.

C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

A client requested MS/SD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

CASE NARRATIVE
Anions by Ion Chromatography

PEL Lab Reference No./SDG: 2506964

Client: CH2M Hill

D. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)

E. Samples:

It should be noted that the laboratory experienced a significant temperature fluctuation over the course of the analytical sequence.

Sample TO05FD02BL exceeded the acceptance criteria for DCA (126). Possible cause for the surrogate failure is sample matrix.

Sample TO05MW44ABL exceeded the acceptance criteria for DCA (116). Since the surrogate recovery was a marginal failure and within the MECL for the method (85.8-119.2), no further action was taken.

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SIGNED: **DATE: 06/25/2007**

CASE NARRATIVE
ALKALINITY

PEL Lab Reference No./SDG: 2506964

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

Analyses were performed according to PEL Laboratory's Standard Operating Procedures and EPA Method 310.1.

IV. ANALYSIS

A. Blanks:

1. Method Blanks:

All acceptance criteria were met.

B. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

A client requested MS/SD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

C. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)

D. Samples:

Sample analysis proceeded normally.

CASE NARRATIVE
ALKALINITY

PEL Lab Reference No./SDG: 2506964

Client: CH2M Hill

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SIGNED: **DATE: 06/20/2007**

CASE NARRATIVE
TOTAL ORGANIC CARBON

PEL Lab Reference No./SDG: 2506964

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Analysis: All holding times were met.

III. METHODS

Analyses were performed according to PEL Laboratory's Standard Operating Procedures and EPA Method 415.1.

IV. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met. The following ICB/CCB(s) had element concentrations below the RL:

CCB245116 was analyzed on 06/27/07 12:58. The following analyte(s) were detected below RL: TOC at 708 UG/L.

CCB245118 was analyzed on 06/27/07 14:25. The following analyte(s) were detected below RL: TOC at 781 UG/L.

2. Method Blanks:

All acceptance criteria were met.

C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

A client requested MS/SD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met with the exception of:

CASE NARRATIVE
TOTAL ORGANIC CARBON

PEL Lab Reference No./SDG: 2506964

Client: CH2M Hill

MS - TO0540AMSBL was analyzed with the water samples on 06/27/07. The following analyte(s) were recovered below criteria: TOC at 12.8 % with criteria of (75-125).

SD - TO0540AMSDBL was analyzed with the water samples on 06/27/07. The following analyte(s) were recovered below criteria: TOC at 12 % with criteria of (75-125).

Sample MS - TO0540AMSBL & SD - TO0540AMSDBL were analyzed full on 6/22/07 with similar spike recovery failures. The most probable cause for spike recovery failure is matrix interference.

Samples coded accordingly.

D. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)

E. Samples:

Sample analysis proceeded normally.

Sample TO05FD02BL required a 1:5 dilution due to high concentration of the following analyte(s): TOC.

Sample TO05MW40ABL required a 1:5 dilution due to high concentration of the following analyte(s): TOC.

Sample TO05MW40BBL required a 1:5 dilution due to high concentration of the following analyte(s): TOC.

Sample TO05MW44ABL required a 1:5 dilution due to high concentration of the following analyte(s): TOC.

Sample TO05MW44BBL required a 1:5 dilution due to high concentration of the following analyte(s): TOC.

CASE NARRATIVE
TOTAL ORGANIC CARBON

PEL Lab Reference No./SDG: 2506964

Client: CH2M Hill

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

SIGNED: **DATE: 06/28/2007**

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SDG No.: 2506964

SOW No.:

EPA Sample No	Lab Sample ID
TO05MW40ABL	250696401
TO05MW40BBL	250696404
TO05FD02BL	250696405
TO05MW44BBL	250696407
TO05MW44ABL	250696408

Comments:

280607 1341

Sample Data

280607 1341

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW40ABL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696401

Level:(low/med) LOW Date Received: 6/9/2007

PercentSolids: 0 Station ID: OLD-OU2-40A

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M
47752-0-60-0	Alkalinity (Total)	3190			IS
24959-67-9	Bromide	0.5	U		IC
1-01-0	Residue, Filterable (TDS)	88000			GR
1012_5	TOC	19200		N	AS

Surrogate	Recovery	Control Limits	Qualifier
DCA	108.0	90 - 115	

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW40BBL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696404

Level:(low/med) LOW Date Received: 6/9/2007

PercentSolids: 0 Station ID: OLD-OU2-40B

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M
47752-0-60-0	Alkalinity (Total)	13100			IS
24959-67-9	Bromide	0.5	U		IC
1-01-0	Residue, Filterable (TDS)	74000			GR
1012_5	TOC	26900			AS

Surrogate	Recovery	Control Limits	Qualifier
DCA	112.0	90 - 115	

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05FD02BL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696405

Level:(low/med) LOW Date Received: 6/9/2007

PercentSolids: 0 Station ID: OLD-OU2-40B

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M
47752-0-60-0	Alkalinity (Total)	13100			IS
24959-67-9	Bromide	0.5	U		IC
1-01-0	Residue, Filterable (TDS)	85000			GR
1012_5	TOC	27900			AS

Surrogate	Recovery	Control Limits	Qualifier
DCA	124.0	90 - 115	*

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW44BBL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696407

Level:(low/med) LOW Date Received: 6/9/2007

PercentSolids: 0 Station ID: OLD-OU2-44B

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M
47752-0-60-0	Alkalinity (Total)	18200			IS
24959-67-9	Bromide	0.5	U		IC
1012_5	TOC	31900			AS

Surrogate	Recovery	Control Limits	Qualifier
DCA	102.0	90 - 115	

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW44ABL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Lab Sample ID: 250696408

Level:(low/med) LOW Date Received: 6/9/2007

PercentSolids: 0 Station ID: OLD-OU2-44A

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M
47752-0-60-0	Alkalinity (Total)	48600			IS
24959-67-9	Bromide	0.5	U		IC
1012_5	TOC	18900			AS

Surrogate	Recovery	Control Limits	Qualifier
DCA	116.0	90 - 115	*

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

QC Summary

280607 1341

U.S. EPA - CLP

2-CC

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Concentration Units: (UG/L)

Analyte	Initial Calibration				Continuing Calibration						
	Source Used	True	Found	%R (1)	Source Used	True	Found	%R (1)	Found	%R (1)	M
Alkalinity (Total)											IS
Bromide	17734, 17735	8	8.000	100.0	17734, 17735	8	7.980	99.8	7.980	99.8	IC
Residue, Filterable											GR
TOC	18632-60701	10000	9380.000	93.8	13944-57301	10000	10200.000	102.0	10200.000	102.0	AS

ICV IDs: AS= ICV245110, IC= ICV523431

CCV1 IDs: AS= CCV245115, IC= CCV523443

CCV2 IDs: AS= CCV245117, IC= CCV523453

(1) Control Limits: TOC: 80-120

Comments:

280607 1341

U.S. EPA - CLP

3

BLANKS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Preparation Blank Matrix (water/soil): WATER
WATER
WATER

Preparation Blank Concentration Units (ug/L or mg/Kg): MG/L
Percent R
UG/L

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Alkalinity (Total)									1500	U	IS
Bromide	0.5	U	0.5	U	0.5	U			0.5	U	IC
Residue, Filterable (TDS)									30000	U	GR
TOC	1104	U	708	J	781	J			1100	U	AS

Surrogate	Recovery	Control Limits	Qualifier
DCA	96.0	90 - 115	

ICB IDs: AS= ICB245111, IC= ICB523432

CCB1 IDs: AS= CCB245116, IC= CCB523444

CCB2 IDs: AS= CCB245118, IC= CCB523454

CCB3 IDs:

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3

BLANKS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Preparation Blank Matrix (water/soil): WATER

Preparation Blank Concentration Units (ug/L or mg/Kg): UG/L

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Alkalinity (Total)									1500	U	IS
Bromide											IC
Residue, Filterable (TDS)									30000	U	GR
TOC											AS

ICB IDs:

CCB1 IDs:

CCB2 IDs:

CCB3 IDs:

280607 1341

U.S. EPA - CLP

3

BLANKS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Preparation Blank Matrix (water/soil): WATER

Preparation Blank Concentration Units (ug/L or mg/Kg): UG/L

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Alkalinity (Total)									1500	U	IS
Bromide											IC
Residue, Filterable (TDS)											GR
TOC											AS

ICB IDs:

CCB1 IDs:

CCB2 IDs:

CCB3 IDs:

280607 1341

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA Sample No.

TO0540AMSBL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0

Concentration Units (mg/L or mg/kg): UG/L

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Alkalinity (Total)	75 - 125	51000		3190		50000	95.6		IS
Bromide	75 - 125	3.92		0.5	U	4	98		IC
DCA	-								NR
Residue, Filterable (TDS)	-								NR
TOC	75 - 125	22400		19200		25000	12.8	N	AS

Comments:

280607 1341

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA Sample No.

TO0540AMSDBL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0

Concentration Units (mg/L or mg/kg): UG/L

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Alkalinity (Total)	75 - 125	50300		3190		50000	94.2		IS
Bromide	75 - 125	3.96		0.5	U	4	99		IC
DCA	-								NR
Residue, Filterable (TDS)	-								NR
TOC	75 - 125	22200		19200		25000	12	N	AS

Comments:

280607 1341

U.S. EPA - CLP

6

DUPLICATES

EPA Sample No.

243620LCSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0 % Solids for Duplicate: 0

Concentration Units (mg/L or mg/kg): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Residue, Filterable (TDS)	20	240000		245000		2.1		GR

Comments:

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6

DUPLICATES

EPA Sample No.

244573LCSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0 % Solids for Duplicate: 0

Concentration Units (mg/L or mg/kg): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Alkalinity (Total)	20	49700		49500		0.4		IS

Comments:

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6

DUPLICATES

EPA Sample No.

245113LCSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0 % Solids for Duplicate: 0

Concentration Units (mg/L or mg/kg): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
TOC	20	9590		9670		0.8		AS

Comments:

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6

DUPLICATES

EPA Sample No.

523435LCSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0 % Solids for Duplicate: 0

Concentration Units (mg/L or mg/kg): MG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Bromide	20	7.94		7.96		0.3		IC

Comments:

280607 1341

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6

DUPLICATES

EPA Sample No.

TO0540AMSDBL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0 % Solids for Duplicate: 0

Concentration Units (mg/L or mg/kg): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Alkalinity (Total)	20	51000		50300		1.4		IS
Bromide	20	3.92		3.96		1.0		IC
TOC	20	22400		22200		0.9		AS

Comments:

280607 1341

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7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

243620LCS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: (soil/water) WATER

Concentration Units: (UG/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
Residue, Filterable (TDS)	18614-60603	GR	80	120	258000	240000	93	

Comments:

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U.S. EPA - CLP

7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

243620LCSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: (soil/water) WATER

Concentration Units: (UG/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
Residue, Filterable (TDS)	18614-60603	GR	80	120	258000	245000	95	

Comments:

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U.S. EPA - CLP

7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

244573LCS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: (soil/water) WATER

Concentration Units: (UG/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
Alkalinity (Total)	16186-58602	IS	80	120	50000	49700	99.4	

Comments:

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U.S. EPA - CLP

7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

244573LCSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: (soil/water) WATER

Concentration Units: (UG/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
Alkalinity (Total)	16186-58602	IS	80	120	50000	49500	99	

Comments:

280607 1341

U.S. EPA - CLP

7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

245113LCS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: (soil/water) WATER

Concentration Units: (UG/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
TOC	13944-57301	AS	80	120	10000	9590	95.9	

Comments:

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U.S. EPA - CLP

7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

245113LCSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: (soil/water) WATER

Concentration Units: (UG/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
TOC	13944-57301	AS	80	120	10000	9670	96.7	

Comments:

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U.S. EPA - CLP

7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

523434LCS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: (soil/water) WATER

Concentration Units: (MG/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
Bromide	17734, 17735	IC	75	125	8	7.94	99.2	

Comments:

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7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

523435LCSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: (soil/water) WATER

Concentration Units: (MG/L)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
Bromide	17734, 17735	IC	75	125	8	7.96	99.5	

Comments:

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10

METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: Water

Concentration Units: MG/L

PARAMETER	M	INSTRUMENT ID	DATE	CRDL	MDL	Raw MDL (UG/L)
Bromide	IC	IC	2/8/2006	0.5	0.014	0.014

Comments:

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10

METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Matrix: Water

Concentration Units: UG/L

PARAMETER	M	INSTRUMENT ID	DATE	CRDL	MDL	Raw MDL (UG/L)
Alkalinity (Total)	IS	TITRAT	1/10/2007	1500	500	500
Residue, Filterable (TDS)	GR	GRAV	7/22/2004	30000	10000	10000
TOC	AS	SHIMZ2	5/31/2007	1104	368	368

Comments:

280607 1342

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14

ANALYSIS RUN LOG

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID Number : GRAV Method : GR

Start Date : 6/12/2007 End Date : 6/12/2007

EPA Sample No.	D/F	Time	%R	Analytes: Residue, Filterable (TDS)
ZZZZZZ	1	13:12		
243619BLK	1	13:13		X
243620LCS	1	13:14		X
243620LCSD	1	13:15		X
ZZZZZZ	1	13:16		
ZZZZZZ	1	13:17		
ZZZZZZ	1	13:18		
ZZZZZZ	1	13:19		
TO05MW40ABL	1	13:20		X
TO05MW40BBL	1	13:21		X
TO05FD02BL	1	13:22		X
243623BLK	1	13:23		X

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14

ANALYSIS RUN LOG

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID Number : IC Method : IC

Start Date : 5/16/2007 End Date : 5/16/2007

EPA Sample No.	D/F	Time	%R	Analytes: DCA Bromide
IICAL1	1	14:13		X
IICAL2	1	14:40		X
IICAL3	1	15:08		X
IICAL4	1	15:35		X
IICAL5	1	16:02		X
IICAL6	1	16:30		X
IICAL7	1	16:57		X

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14

ANALYSIS RUN LOG

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID Number : IC Method : IC

Start Date : 6/21/2007 End Date : 6/22/2007

EPA Sample No.	D/F	Time	%R	Analytes: DCA Bromide
ICV523431	1	17:56		X
ICB523432	1	18:24		X
523433MB	1	18:51		X
523434LCS	1	19:18		X
523435LCSD	1	19:45		X
ZZZZZZ	10	20:13		
ZZZZZZ	10	20:40		
ZZZZZZ	10	21:07		
ZZZZZZ	1	21:35		
ZZZZZZ	1	22:02		
ZZZZZZ	1	22:29		
ZZZZZZ	1	22:57		
CCV523443	1	23:24		X
CCB523444	1	23:51		X
ZZZZZZ	1	0:19		
TO05MW40ABL	1	0:46		X
TO0540AMSBL	1	1:13		X
TO0540AMSDBL	1	1:41		X
TO05MW40BBL	1	2:08		X
TO05FD02BL	1	2:35		X
TO05MW44BBL	1	3:03		X
TO05MW44ABL	1	3:30		X
CCV523453	1	3:57		X
CCB523454	1	4:24		X

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14

ANALYSIS RUN LOG

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID Number : TITRAT Method : IS

Start Date : 6/19/2007 End Date : 6/19/2007

EPA Sample No.	D/F	Time	%R	Analytes: Alkalinity (Total)
244572BLK	1	14:12		X
244573LCS	1	14:16		X
244573LCSD	1	14:21		X
ZZZZZZ	1	14:26		
TO05MW40ABL	1	14:32		X
TO0540AMSBL	1	14:36		X
TO0540AMSDBL	1	14:41		X
TO05MW40BBL	1	14:46		X
TO05FD02BL	1	14:50		X
244576BLK	1	14:53		X
TO05MW44BBL	1	15:21		X
TO05MW44ABL	1	15:26		X
244577BLK	1	15:31		X

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14

ANALYSIS RUN LOG

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506964

Instrument ID Number : SHIMZ2 Method : AS

Start Date : 6/27/2007 End Date : 6/27/2007

EPA Sample No.	D/F	Time	%R	Analytes: TOC
ICV245110	1	8:56		X
ICB245111	1	9:17		X
245112BLK	1	9:38		X
245113LCS	1	10:02		X
245113LCSD	1	10:25		X
TO05MW40ABL	5	10:47		X
TO0540AMSBL	5	11:09		X
TO0540AMSDBL	5	11:31		X
TO05MW40BBL	5	11:53		X
TO05FD02BL	5	12:14		X
CCV245115	1	12:38		X
CCB245116	1	12:58		X
TO05MW44BBL	5	13:19		X
TO05MW44ABL	5	13:41		X
CCV245117	1	14:04		X
CCB245118	1	14:25		X

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Chain of Custody Documentation

280607 1342

CH2MHILL Constructors, Inc.
115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

2506964 KC

[1] COC NUMBER: **OU2060807-1**

[2] PROJECT NAME:	[5] PROJECT NUMBER:	[8] LAB NAME AND CONTACT:	[11] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No. , and Fax No.):
NTC Orlando	283383.10.10	Darcy Weisman/ PEL labs	Kama White CH2M Hill CCI	North Park 400, 1000 Abenathy Rd, Suite 1600 Atlanta Ga. 30328
[3] PROJECT PHASE/SITE/TASK:	[6] CTO OR DO NUMBER:	[9] LAB PO NUMBER:	[12] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No. , and Fax No.):
OU-2	TO-05	808799		
[4] PROJECT CONTACT:	[7] PROJECT TEL NO AND FAX NO:	[10] LAB TEL NO AND FAX NO:	[13] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No. , and Fax No.):
Bethany Garvey	770-604-9182	813-247-2085		

[25] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SOP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	VOC's 8260B	Alk alinity Bromide	TOC	TRPH	Metals, Na	TDS					[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	TO05MW40ABL	OLD-OU2-40A	W	06/08/07	10:20	C	14	3	1	1	1	1	1					N	Pre injection Baseline sampling	01
2	TO0540AMSBL	Matrix Spike	W	06/08/07	10:20	C	14	3	1	1	1	1	1					M		02
3	TO0540AMSDBL	Matrix Spike Dupe	W	06/08/07	10:20	C	14	3	1	1	1	1	1					MSD		03
4	TO05MW40BBL	OLD-OU2-40B	W	06/08/07	9:40	C	14	3	1	1	1	1	1					N		04
5	TO05FD02BL	Field dupe	W	06/08/07		C	14	3	1	1	1	1	1					FD		05
6	TO05MW41BBL	OLD-OU2-41B	W	06/08/07	12:35	C	14	3										N		06
7	TO05MW44BBL	OLD-OU2-44B	W	06/08/07	12:20	C	14		1	1								N		07
8	TO05MW44ABL	OLD-OU2-44A	W	06/08/07	10:55	C	14		1	1								N	Please note New Mailing Address.	08
9	TO05MW39BBL	OLD-OU2-39B	W	06/07/07	12:00	C	14	3										N		09
10	TO05EB1BL	Equipment Blk	W	06/08/07	7:45	C	14	3										EB	Caution maybe high VOC's	10

[29] SAMPLER(S) AND COMPANY: (please print)	[30] COURIER AND SHIPPING NUMBER:	[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):
Mark Stinnett, Sara Vaughn CH2M hill	Fed Ex 860426079583 Saturday Delivery	Sample 01 - 1 vial broken in transit Rec'd @ 4.0 C pH<2 (8260, FLPRO, 6010, 415.1)

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
[signature]	6-8-07	1600	[signature] PEL	6/9/07	1010
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

Distribution: [ ] **Original** - Laboratory (To be returned with Analytical Report); [ ] **Copy 1** - Project File; [ ] **Copy 2** - PMO

Form CCI001, Rev 06/00

2506964

CH2MHILL Constructors, Inc.
115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

2506964 KC

[1] COC NUMBER: **OU2060807-2**

[2] PROJECT NAME:	[5] PROJECT NUMBER:	[8] LAB NAME AND CONTACT:	[11] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No. , and Fax No.):
NTC Orlando	283383.10.10	Darcy Weisman/ PEL labs	Kama White CH2M Hill CCI	North Park 400, 1000 Abenathy Rd, Suite 1600 Atlanta Ga. 30328
[3] PROJECT PHASE/SITE/TASK:	[6] CTO OR DO NUMBER:	[9] LAB PO NUMBER:	[12] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No. , and Fax No.):
OU-2	TO-05	808799		
[4] PROJECT CONTACT:	[7] PROJECT TEL NO AND FAX NO:	[10] LAB TEL NO AND FAX NO:	[13] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No. , and Fax No.):
Bethany Garvey	770-604-9182	813-247-2085		

[25] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SOP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	VOC's 8260B										[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	TO05TB2BL	Trip Blk	W	06/08/07		C	14	1										TB	Pre injection Baseline sampling	\\
2																				
3																				
4																				
5																				
6																				
7																				
8																			Please note New Mailing Address.	
9																				
10																				

[29] SAMPLER(S) AND COMPANY: (please print)	[30] COURIER AND SHIPPING NUMBER:	[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):
Mark Stinnett, Sara Vaughn CH2M hill	Fed Ex 860426079583 SAT Delivery	

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Sara Lynch	6-8-07	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

Distribution: [ ] **Original** - Laboratory (To be returned with Analytical Report); [ ] **Copy 1** - Project File; [ ] **Copy 2** - PMO

Form CCI001, Rev 06/00

2506964

FedEx Express US Airbill

8604 2607 9583

0200 Form ID No.

FedEx Retrieval Copy

1 From

Date 6/8/7 Sender's FedEx Account Number 241 253 520

Sender's Name ISAAC Lynch Phone 352 494-3822

Company CH2M HILL OCI

Address 1060 WAREHOUSE ROAD Dept./Floor/Suite/Room

City Orlando State FL ZIP 32503

2 Your Internal Billing Reference 283383.10.10

3 To

Recipient's Name DAICY WEISMAN Phone 813 247-2505

Company PEL LABS

Recipient's Address 4420 Pendola ST RD Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City TAMPA State FL ZIP 33619

8604 2607 9583

4a Express Package Service *Packages up to 150 lbs.*

1 [x] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

5 [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

6 [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.

3 [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

20 [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

FedEx Envelope rate not available. Minimum charge: One-pound rate.

* To most locations.

4b Express Freight Service *Packages over 150 lbs.*

7 [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

8 [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

83 [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

* Call for Confirmation:

** To most locations.

5 Packaging

6 [ ] FedEx Envelope*

2 [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.

3 [ ] FedEx Box

4 [ ] FedEx Tube

1 [x] Other

* Declared value limit $500.

6 Special Handling — Include FedEx address in Section 3.

3 [x] SATURDAY Delivery — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.

1 [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight.

31 [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.

[x] No

4 [ ] Yes — As per attached Shipper's Declaration.

[ ] Yes — Shipper's Declaration not required.

6 [ ] Dry Ice — Dry ice, 9, UN 1845 ____ x ____ kg

[ ] Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below.

1 [x] Sender — Acct. No. in Section 1 will be billed.

2 [ ] Recipient

3 [ ] Third Party

4 [ ] Credit Card

5 [ ] Cash/Check

[ ] Obtain Recip. Acct. No.

Total Packages 2

Total Weight 12

Total Charges

Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

8 *NEW* Residential Delivery Signature Options If you require a signature, check Direct or Indirect.

[ ] No Signature Required — Package may be left without obtaining a signature for delivery.

10 [ ] Direct Signature — Anyone at recipient's address may sign for delivery. *Fee applies.*

34 [ ] Indirect Signature — If no one is available at recipient's address, anyone at a neighboring address may sign for delivery. *Fee applies.*

520

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2506984

186

PEL Laboratories, Inc.

pH LOG SHEET

Work Order # 25069664

By KC

Client / Project Name NTC Orlando

Date 6/9/07

PEL Sample Number	H_2SO_4 (pH<2)		HNO_3 (pH<2)		NaOH (pH>12)		ZnAC/NaOH (pH>9)		HCl (pH<2)		Other _____ pH _____	
	No. of Containers	pH	No. of Containers	pH	No. of Containers	pH	No. of Containers	pH	No. of Containers	pH	No. of Containers	pH
01	1	<2	1	<2					4 3	<2		
02	↓	↓	↓	↓					↓	↓		
03	↓	↓	↓	↓					↓	↓		
04	↓	↓	↓	↓					↓	↓		
05	↓	↓	↓	↓					↓	↓		
06									3	<2		
07									1	↓		
08									↓	↓		
09									3	<2		
10									↓	↓		
11									1			

2506964

W:\Login\pH LOG SHEET REV 3.doc

SAMPLE RECEIPT CONFIRMATION SHEET

Client Information

SDG:	2506964	**Req:**	83010
Client:	CH2M Hill	**Project:**	TO-5 / AGVIQ (OU-2 Pilot Study)
Level:	4	**Date Rec'd:**	6/9/07 10:10:00 AM
Rec'd via:	Fed-Ex	**Due Date:**	06/25/07

Sample Verification

Samples/Cooler Secure?	Yes	**All Samples on COC accounted For?**	Yes
Temperature of Samples(Celsius)	4.0c	**All Samples Rec'd Intact?**	No
pH Verified?	Yes	**Sample Vol. Stuff. For Analysis?**	Yes
pH WNL?	Yes	**Samples Rec'd W/I Hold Time?**	Yes
Soil Origin (Domestic/Foreign):		**Are All Samples to be Analyzed?**	Yes
Site Location/Project on COC?	Yes	**Correct Sample Containers?**	Yes
Client Project # on COC?	Yes	**COC Comments written on COC?**	Yes
Project Mgr. Indicated on COC?	Yes	**Samplers Initials on COC?**	Yes
COC relinquished/Dated by Client?	Yes	**Sample Date/Time Indicated?**	Yes
COC Received/Dated by PEL?	Yes	**TAT Requested:**	STD
Specific Subcontract Indicated?	No	**Client Requests Verbal Results?**	No
Samples Received By	Fed-Ex	**Client Requests Faxed Results?**	No
PEL to Conduct ALL Analyses?	Yes		

Subcontract Analysis

Parameter	Due Date	Via	Lab Name	Comments

PEER REVIEW

Client: CH2M Hill

WONo: 2506964 **Profile Name:** NTC Orlando **Profile #:** 83010

MATRIX ***W***

Sample #	Parameter		Relinquished	Received	Date	Time
01 - 05	160.1	Total Dissolved Solids			6/11/07	14:00
01 - 05	160.1	Total Dissolved Solids			6/12/07	16:30
01 - 08	415.1	TOC(single)			6/22/07	10:15
01 - 08	415.1	TOC(single)			6/22/07	11:10
01 - 05	6010	Metals			6/22/07	11:15
01 - 05	6010	Metals			6/22/07	12:20
01 - 11	8260	Volatile Organic Compounds			6/11/07	11:00
01 - 11	8260	Volatile Organic Compounds		consumed		
01 - 08	300.1	Determination of Inorganic Anions by Ion Chromatography			6/19/07	15:50
01 - 08	300.1	Determination of Inorganic Anions by Ion Chromatography			6/20/07	15:35
01 - 08	310.1	Alkalinity (Total)			6/18/07	13:25
01 - 08	310.1	Alkalinity (Total)			6/19/07	15:26
01 - 05	FL-PRO	Petroleum Hydrocarbons		SL	6-11-07	9:55
01 - 05	FL-PRO	Petroleum Hydrocarbons	consumed			

Additional:

Comments:

Addendum

280607 1342

Letter of Acceptance

Customer Name: CH2M Hill

Date and Time Received: 6/9/2007 10:10:00 AM

Date to be Reported: 6/25/2007

Laboratory Submission Number/SDG: 2506964

Get Detailed Analyte List here: www.pelab.com/webdms/Default.asp?LoaSDG=2506964

Project: NTC Orlando / TO-5

Samples: The submission consisted of 11 samples with sample identification shown in the attached data tables.

Tests: The Samples will be analyzed for EPA methods: 160.1, 300.1, 310.1, 415.1, 6010, 8260, FL-PRO.

Sample Custody/COC discrepancies:

None.

Notes:

14-day TAT.

Distribution of Report to:

CH2M Hill
Attn: Kama White
Phone: W 770-604-9182
F 770-604-9282

Note: Submitted material will be retained for 30 days unless otherwise requested by client or consumed in analysis. PEL letters and reports are for the exclusive use of the client to whom they are addressed. Our letters and reports apply to the sample tested and are not necessarily indicative of the qualities of apparently identical or similar materials

Log-in Report

Level 4

Total of: 45 analyses on 11 samples (including QC) *11-Jun-07*

Report/SDG #: 2506964

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05MW40ABL	250696401	OLD-OU2-40A	W	6/8/2007 10:20:00 AM	6/9/2007 10:10:00 AM

Method		
160.1	Total Dissolved Solids	160.1
300.1	Determination of Inorganic Anions by Ion	300.1
310.1	Alkalinity (Total)	310.1
415.1	TOC(single)	415.1
6010	Metals	6010
8260	Volatile Organic Compounds	8260
FL-PRO	Petroleum Hydrocarbons	FL-PRO

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO0540AMSBL	250696402	Matrix Spike	WQ	6/8/2007 10:20:00 AM	6/9/2007 10:10:00 AM

Method		
160.1	Total Dissolved Solids	160.1
300.1	Determination of Inorganic Anions by Ion	300.1
310.1	Alkalinity (Total)	310.1
415.1	TOC(single)	415.1
6010	Metals	6010
8260	Volatile Organic Compounds	8260
FL-PRO	Petroleum Hydrocarbons	FL-PRO

Report/SDG #: 2506964

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO0540AMSDBL	250696403	Matrix Spike Du	WQ	6/8/2007 10:20:00 AM	6/9/2007 10:10:00 AM

Method		
160.1	Total Dissolved Solids	160.1
300.1	Determination of Inorganic Anions by Ion	300.1
310.1	Alkalinity (Total)	310.1
415.1	TOC(single)	415.1
6010	Metals	6010
8260	Volatile Organic Compounds	8260
FL-PRO	Petroleum Hydrocarbons	FL-PRO

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05MW40BBL	250696404	OLD-OU2-40B	W	6/8/2007 9:40:00 AM	6/9/2007 10:10:00 AM

Method		
160.1	Total Dissolved Solids	160.1
300.1	Determination of Inorganic Anions by Ion	300.1
310.1	Alkalinity (Total)	310.1
415.1	TOC(single)	415.1
6010	Metals	6010
8260	Volatile Organic Compounds	8260
FL-PRO	Petroleum Hydrocarbons	FL-PRO

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05FD02BL	250696405	OLD-OU2-40B	W	6/8/2007	6/9/2007 10:10:00 AM

Method		
160.1	Total Dissolved Solids	160.1
300.1	Determination of Inorganic Anions by Ion	300.1
310.1	Alkalinity (Total)	310.1
415.1	TOC(single)	415.1
6010	Metals	6010
8260	Volatile Organic Compounds	8260
FL-PRO	Petroleum Hydrocarbons	FL-PRO

Report/SDG #: 2506964

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05MW41BBL	250696406	OLD-OU2-41B	W	6/8/2007 12:35:00 PM	6/9/2007 10:10:00 AM

Method		
8260	Volatile Organic Compounds	8260

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05MW44BBL	250696407	OLD-OU2-44B	W	6/8/2007 12:20:00 PM	6/9/2007 10:10:00 AM

Method		
300.1	Determination of Inorganic Anions by Ion	300.1
310.1	Alkalinity (Total)	310.1
415.1	TOC(single)	415.1

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05MW44ABL	250696408	OLD-OU2-44A	W	6/8/2007 10:55:00 AM	6/9/2007 10:10:00 AM

Method		
300.1	Determination of Inorganic Anions by Ion	300.1
310.1	Alkalinity (Total)	310.1
415.1	TOC(single)	415.1

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05MW39BBL	250696409	OLD-OU2-39B	W	6/8/2007 12:00:00 PM	6/9/2007 10:10:00 AM

Method		
8260	Volatile Organic Compounds	8260

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05EB1BL	250696410	Equipment Blk	WQ	6/8/2007 7:45:00 AM	6/9/2007 10:10:00 AM

Method		
8260	Volatile Organic Compounds	8260

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05TB2BL	250696411	Trip Blk	WQ	6/8/2007	6/9/2007 10:10:00 AM

Method		
8260	Volatile Organic Compounds	8260

Darcy Weisman

From: Darcy Weisman
Sent: Tuesday, June 19, 2007 3:22 PM
To: Bethany Garvey
Subject: FW: NTC Orlando 2506964 8260w
Importance: High

Good afternoon.

-----Original Message-----
From: Lisa Pelo
Sent: Tuesday, June 19, 2007 3:20 PM
To: Project Managers
Subject: NTC Orlando 2506964 8260w
Importance: High

Please notify the project chemist of the following:

Sample TO05MW40ABL required a 1:5 dilution due to a high concentration of Trichloroethene. Both full and diluted analyses will be reported. Since this is the parent sample to the client requested spikes, the spikes were only analyzed and will be reported at this dilution.

Sample TO05MW40BBL required a 1:20 and a 1:50 dilution due to high concentrations of cis-1,2-Dichloroethene and Trichloroethene. The full and both diluted analyses will be reported.

Sample TO05FD02BL required a 1:20 dilution due to high concentrations of cis-1,2-Dichloroethene and Trichloroethene. Both full and diluted analyses will be reported.

Darcy Weisman

From: Bethany.Garvey@CH2M.com
Sent: Thursday, June 21, 2007 5:01 PM
To: Darcy Weisman
Subject: RE: NTC Orlando 2506941 and 2506964

Darcy,

I've spoken to Camden and she has advised that the department needs to reanalyze these samples for Bromide.

Thanks,
Bethany

From: Darcy Weisman [mailto:dweisman@PELAB.com]
Sent: Thursday, June 21, 2007 4:45 PM
To: Garvey, Bethany/ATL
Subject: FW: NTC Orlando 2506941 and 2506964

Please advise.

-----Original Message-----
From: Mark Gudnason
Sent: Thursday, June 21, 2007 4:15 PM
To: Project Managers
Subject: NTC Orlando 2506941 and 2506964

Please contact the client.
We know the RT shift is due to the change in room temperature. The CCV RT was just outside the RT window.

Please advise.

> -----Original Message-----
> From: Eric BattistaWCH
> Sent: Thursday, June 21, 2007 2:51 PM
> To: Brian Spann; L3Team; SemiVols
> Subject: RE: L3 UPDATE - Thursday
>
> 2506941 - 300.1 sequence needs to be reanalyzed to the RT shift. CCVs failed for Bromide due to the temperature change over the course of the sequence.
> 2506964 - 300.1 sequence needs to be reanalyzed to the RT shift. CCVs failed for Bromide due to the temperature change over the course of the sequence.

Appendix

280607 1342

Raw Data Method 8260

/H20 1,478,879 VMS02 8260 H20 (M2062107C) 6/21/7 47 ALTO IS/ H20 BATCH

NT	CLIENT	VIAL	FILE	STO	/ IS	/ SURR	AMOUNT	CLIENT
	PELQc		BFB21			18693 19423	50ng	PEL
		X	BFB22				1	INITIAL
		X	BFB21				50ng	CALIBRATION
			BFB22 [01:43]				1	
		X	CCV21	19290 19292	19295 19297		50ppb	
		X	CCV22				1	
=50		X	50 PPB				50ppb	
			CB				5mL	
			CAL1	19290 19292	19295 19297		1ppb	
			CAL2				2ppb	
	ECS		CAL3				5ppb	
			CAL4				10ppb	
		X	CAL5				20ppb	
			CAL6				50ppb	
			CALSR				20ppb	
			CAL7				60ppb	
			CAL8				80ppb	
	Glin		SEC21	19291 19293	19296 19299		50ppb	
		X	SEC22					
		X	SEC23					

6/21/7

ICAL : 21-JUN-2001

VMS02 8260 H2O (M206220) 6/22/7 AUTO DS/H2O

VIAL	FILE	STD / IS / SUM		AMOUNT	CLIENT
X	BFB27	18693	19423	50ng	PEL QC
	BFB22 (05:02)				
	X CCV21	19290 19292	19295 19297	50ppb	
	CCV22				
	MLCS21	19291 19293	19296 19299	20ppb MeOH DF=50	
	LCS22				
	MBLA21			5ml MeOH DF=50	
	BLA22				
1	250704201			5ml	CAPE
3	250703801M			2.3224g DF=50	Eglin
2	250701601M			4.9822 DF=50	Eglin
2	250703803MD			3.1768g DF=100	Eglin
4	250701602MD			4.9236 DF=50	Eglin
5	250704602			5ml	Kingsville
1	01				
1	250704210				Cape
3	250705002			4.643g DF=50	REA
1	250704211	19291 19293	19296 19299	5ml 20ppb	Cape
3	12				
~~2~~ NO MATCH	MLCS210 ~~06~~			20ppb DF=50	PEL QC
3	250704~~06~~05			5ml	Cape
3	06				
2	07				
3	08				
2	13				
3	09 (10:50)				

6/22/7

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18423	8081wkg_spk			6/8/2007	10 ML	5/8/2007	spruskin

0.0006 UG/ML: 2,4,5,6-tetrachloro-m-xylene, 2,4'-DDD, 2,4'-DDE, 2,4'-DDT, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Decachlorobiphenyl

COMPOSED OF:

17354: 6 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18693	8260_INT_IS			12/21/2007	100 ML	5/21/2007	mstephens

250 UG/ML: 1,4-Dichlorobenzene-d4, Chlorobenzene d5, Fluorobenzene

COMPOSED OF:

16403: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19290	8260_Main Mix_P			12/14/2007	50 ML	6/14/2007	mstephens

1000 UG/ML: 1,4 Dioxane, Ethanol, Isobutyl alcohol
50 UG/ML: 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB), 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichloro-2-butene, 1,4-Dichlorobenzene, 1-Chlorohexane, 2,2-Dichloropropane, 2-Chlorotoluene, 4-Chlorotoluene, 4-Isopropyltoluene, Allyl chloride, Benzene, Benzyl chloride, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloroprene, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Cyclohexane, Dibromochloromethane, Dibromomethane, Ethyl methacrylate, Ethylbenzene, Fluorobenzene, Hexachlorobutadiene, Isopropylbenzene (Cumene), Methyl Acetate, Methyl Cyclohexane, Methyl methacrylate, Methylene chloride, Naphthalene, n-Butylbenzene, n-Propylbenzene, o-Xylene, p,m-Xylene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene
500 UG/ML: Acetonitrile, Methacrylonitrile, Propionitrile

COMPOSED OF:

19276: 1.25 ML 19277: 1.25 ML 19278: 1.25 ML 19279: 1.25 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19291	8260_Main Mix_S			12/14/2007	50 ML	6/14/2007	mstephens

1000 UG/ML: 1,4 Dioxane, Ethanol, Isobutyl alcohol
50 UG/ML: 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB), 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichloro-2-butene, 1,4-Dichlorobenzene, 1-Chlorohexane, 2,2-Dichloropropane, 2-Chlorotoluene, 4-Chlorotoluene, 4-Isopropyltoluene, Allyl chloride, Benzene, Benzyl chloride, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloroprene, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Cyclohexane, Dibromochloromethane, Dibromomethane, Ethyl methacrylate, Ethylbenzene, Fluorobenzene, Hexachlorobutadiene, Isopropylbenzene (Cumene), Methyl Acetate, Methyl Cyclohexane, Methyl methacrylate, Methylene chloride, Naphthalene, n-Butylbenzene, n-Propylbenzene, o-Xylene, p,m-Xylene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene
500 UG/ML: Acetonitrile, Methacrylonitrile, Propionitrile

COMPOSED OF:

19283: 1.25 ML 19285: 1.25 ML 19288: 1.25 ML 19289: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19292	8260_Add ons_P			12/1/2007	50 ML	6/14/2007	mstephens

100 UG/ML: 2-Nitropropane, Ethyl acetate, Tetrahydrofuran
50 UG/ML: Carbon disulfide, Ethyl Ether, Isopropyl Ether, Methyl iodide, MTBE, Vinyl acetate
500 UG/ML: Cyclohexanone, t-Butanol

COMPOSED OF:

19134: 1.25 ML 19281: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19293	8260_Add ons_S			12/1/2007	50 ML	6/14/2007	mstephens

100 UG/ML: 2-Nitropropane, Ethyl acetate, Tetrahydrofuran
50 UG/ML: Carbon disulfide, ethyl tert-butyl ether, Isopropyl Ether, Methyl iodide, MTBE, Vinyl acetate
500 UG/ML: Cyclohexanone

COMPOSED OF:

17298: 1.25 ML 19135: 1.25 ML 19286: 1.25 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19295	8260_Ketones_+_P			8/12/2007	50 ML	6/14/2007	mstephens

100 UG/ML: 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acrolein, Acrylonitrile

COMPOSED OF:

19280: 0.5 ML 19282: 0.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19296	8260_Ketones_+_S			8/12/2007	50 ML	6/14/2007	mstephens

100 UG/ML: 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acrolein, Acrylonitrile

COMPOSED OF:

19284: 0.5 ML 19287: 0.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19297	8260_Gases_P			12/14/2007	50 ML	6/14/2007	mstephens

50 UG/ML: 1,1,2-Trichlorotrifluoroethane, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, Trichlorofluoromethane, Vinyl chloride

COMPOSED OF:

16391: 1.25 ML 18516: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19299	8260_Gases_S			12/14/2007	50 ML	6/14/2007	mstephens

50 UG/ML: 1,1,2-Trichlorotrifluoroethane, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, Trichlorofluoromethane, Vinyl chloride

COMPOSED OF:

16826: 1.25 ML 18494: 1.25 ML

150 MS

V MS03 8260 (H2O) (M3061507C) 6/15/07 Auto IS-H2O Path

Ical - 6/15/07

vial	File	STD/Surr/IS MS	Amount	Client
	BFB31	18690, 18693	50ng	Pal. Qc
	300ppt	18483, 19292 18490, 18492	300ppt	
	500ppt		500ppt	
	1ppb		1ppb	
	2ppb		2ppb	
	5ppb		5ppb	
	10ppb		10ppb	
	20ppb		20ppb	
	50ppb		50ppb	
	60ppb		60ppb	
	80ppb		80ppb	
	SEC31	18484, 19293 18491, 18493	50ppb	

Reviewed

By MS

6/15/07

MJT

UM503 8260 (H2O) (M30 6150P) 6/15/07 Auto IS - H2O Path

IAC · 6/15/07

size	File	STD/Sum Int #s	Amount	client
	BF332	18690, 18693	50ng	Pal. QC
	50CC031	18483, 19292, 18490, 19492	50ppb	
	LC532	18494, 19293, 18491, 18493	20ppb	
2	96402D (MS) (1/5)			
2	96402D (SD) (1/5)			
	BLK31		5mls	
	BLK32			
2	96401D (1/5)			(NTC-Orlando)
1	11			
3	10			
3	09			
2	06			
1	05D			
1	04D			
1	00403			(Jacksonville)
2	02			
1,2	01			
3	96401			(NTC-Orlando)
4	04			
2	05			

Reviewed By MJO 6/18/07

MST 152

VM503 8260 (H2O) (M3061807C) 6/18/07 Auto IS - H2O Path

File	STD/Surr/IS #5	Amount	Client	uiz
BFB31	18690, 18693	50ng	Pal. QC	
300 ppt	18483, 19292 18490, 18492	300 ppt		
500 ppt		500 ppt		
1 ppb		1 ppb		
2 ppb		2 ppb		
5 ppb		5 ppb		1
10 ppb		10 ppb		1
20 ppb		20 ppb		
50 ppb		50 ppb		
60 ppb		60 ppb		1
80 ppb		80 ppb		1
SEC31	18484, 19293 18491, 18493	50 ppb		3
SEC32				4
				4
				2
				4
				2
				5
				6
				1
				1
				1

Reviewed By MST 6/19/07

Path
Client
Pel. QC

MSJ
UM503 8260 (H2O) (M306180P) 6/18/07 Auto IS. H2O Path
ICAL. 6/18/07

viz	File	STD/Surr/IS#5	Amount	client
	BFB32	18690, 18693		
	50CW31	18483, 19292 18490, 18492	50ng	Pel. QC
	50CW32		50ppb	
	LC532	18484, 19293 18491, 18493		
	LC532D		20ppb	
1	96404D(MS)(1/50)			
1	96404D(SD)(1/50)			
	BLK31		5mls	
	BLK32			
1	96404D1 (1/50)			(NTC-Orlando)
1	96405D1 (1/50)			
3	01301			(YACOV)
4	02			
4	01201			(MACDILL)
2	02			
4	03			
2	06			
5	07			
6	08			
1	09			
7	04			
1	05			

Reviewed By MSJ 6/19/07

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18483	8260_Main Mix_P			11/10/2007	50 ML	5/10/2007	mstephens

1000 UG/ML: 1,4 Dioxane, Ethanol, Isobutyl alcohol
50 UG/ML: 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB), 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichloro-2-butene, 1,4-Dichlorobenzene, 1-Chlorohexane, 2,2-Dichloropropane, 2-Chlorotoluene, 4-Chlorotoluene, 4-Isopropyltoluene, Allyl chloride, Benzene, Benzyl chloride, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloroprene, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Cyclohexane, Dibromochloromethane, Dibromomethane, Ethyl methacrylate, Ethylbenzene, Fluorobenzene, Hexachlorobutadiene, Isopropylbenzene (Cumene), Methyl Acetate, Methyl Cyclohexane, Methyl methacrylate, Methylene chloride, Naphthalene, n-Butylbenzene, n-Propylbenzene, o-Xylene, p,m-Xylene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene
500 UG/ML: Acetonitrile, Methacrylonitrile, Propionitrile

COMPOSED OF:

18469: 1.25 ML 18470: 1.25 ML 18471: 1.25 ML 18472: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18484	8260_Main Mix_S			11/10/2007	50 ML	5/10/2007	mstephens

1000 UG/ML: 1,4 Dioxane, Ethanol, Isobutyl alcohol
50 UG/ML: 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB), 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichloro-2-butene, 1,4-Dichlorobenzene, 1-Chlorohexane, 2,2-Dichloropropane, 2-Chlorotoluene, 4-Chlorotoluene, 4-Isopropyltoluene, Allyl chloride, Benzene, Benzyl chloride, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloroprene, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Cyclohexane, Dibromochloromethane, Dibromomethane, Ethyl methacrylate, Ethylbenzene, Fluorobenzene, Hexachlorobutadiene, Isopropylbenzene (Cumene), Methyl Acetate, Methyl Cyclohexane, Methyl methacrylate, Methylene chloride, Naphthalene, n-Butylbenzene, n-Propylbenzene, o-Xylene, p,m-Xylene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene
500 UG/ML: Acetonitrile, Methacrylonitrile, Propionitrile

COMPOSED OF:

18476: 1.25 ML 18478: 1.25 ML 18481: 1.25 ML 18482: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18490	8260_Ketones_+_P			6/27/2007	50 ML	5/10/2007	mstephens

100 UG/ML: 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acrolein, Acrylonitrile

COMPOSED OF:

18473: 0.5 ML 18475: 0.5 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18491	8260_Ketones_+_S			6/27/2007	50 ML	5/10/2007	mstephens

100 UG/ML: 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acrolein, Acrylonitrile

COMPOSED OF:

18477: 0.5 ML 18480: 0.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18492	8260_Gases_P			11/10/2007	50 ML	5/10/2007	mstephens

50 UG/ML: 1,1,2-Trichlorotrifluoroethane, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, Trichlorofluoromethane, Vinyl chloride

COMPOSED OF:

16392: 1.25 ML 17026: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18493	8260_Gases_S			11/10/2007	50 ML	5/10/2007	mstephens

50 UG/ML: 1,1,2-Trichlorotrifluoroethane, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, Trichlorofluoromethane, Vinyl chloride

COMPOSED OF:

16389: 1.25 ML 16825: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18690	8260_INT_SURR			11/21/2007	100 ML	5/21/2007	mstephens

25.1 UG/ML: 1,2-Dichloroethane-d4, 4-Bromofluorobenzene, Dibromofluoromethane, Toluene d8

COMPOSED OF:

18678: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18693	8260_INT_IS			12/21/2007	100 ML	5/21/2007	mstephens

250 UG/ML: 1,4-Dichlorobenzene-d4, Chlorobenzene d5, Fluorobenzene

COMPOSED OF:

16403: 1 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19292	8260_Add ons_P			12/1/2007	50 ML	6/14/2007	mstephens

100 UG/ML: 2-Nitropropane, Ethyl acetate, Tetrahydrofuran
50 UG/ML: Carbon disulfide, Ethyl Ether, Isopropyl Ether, Methyl iodide, MTBE, Vinyl acetate
500 UG/ML: Cyclohexanone, t-Butanol

COMPOSED OF:

19134: 1.25 ML 19281: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19293	8260_Add ons_S			12/1/2007	50 ML	6/14/2007	mstephens

100 UG/ML: 2-Nitropropane, Ethyl acetate, Tetrahydrofuran
50 UG/ML: Carbon disulfide, ethyl tert-butyl ether, Isopropyl Ether, Methyl iodide, MTBE, Vinyl acetate
500 UG/ML: Cyclohexanone

COMPOSED OF:

17298: 1.25 ML 19135: 1.25 ML 19286: 1.25 ML

PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3061507C.b\BFB31.D
Lab Smp Id: 061507BFBA31 Client Smp ID: 061507BFBA31
Inj Date : 15-JUN-2007 05:00
Operator : Inst ID: vms03.i
Smp Info : 061507BFBA31
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3061507C.b\BFBE.m
Meth Date : 18-Jun-2007 12:52 lpelo Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: VOLS11

Concentration Formula: Amt * DF * CpndVariable
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 #: 74-83-9		
7.227	7.500	-0.273	95	74056			0.00- 100.00	100.00
7.227	7.500	-0.273	50	15164			15.00- 40.00	20.48
7.227	7.500	-0.273	75	36856			30.00- 60.00	49.77
7.227	7.500	-0.273	96	4407			5.00- 9.00	5.95
7.227	7.500	-0.273	173	0	0.0	0.0	0.00- 2.00	0.00
7.227	7.500	-0.273	174	51432			50.00- 100.00	69.45
7.227	7.500	-0.273	175	3709			5.00- 9.00	7.21
7.227	7.500	-0.273	176	50000			95.00- 101.00	97.22
7.227	7.500	-0.273	177	3206			5.00- 9.00	6.41

Data File: \\VMS03\DD\chem\vms03.i\M3061507C.b\BFB31.D

Date : 15-JUN-2007 05:00

Client ID: 061507BFBA31

Instrument: vms03.i

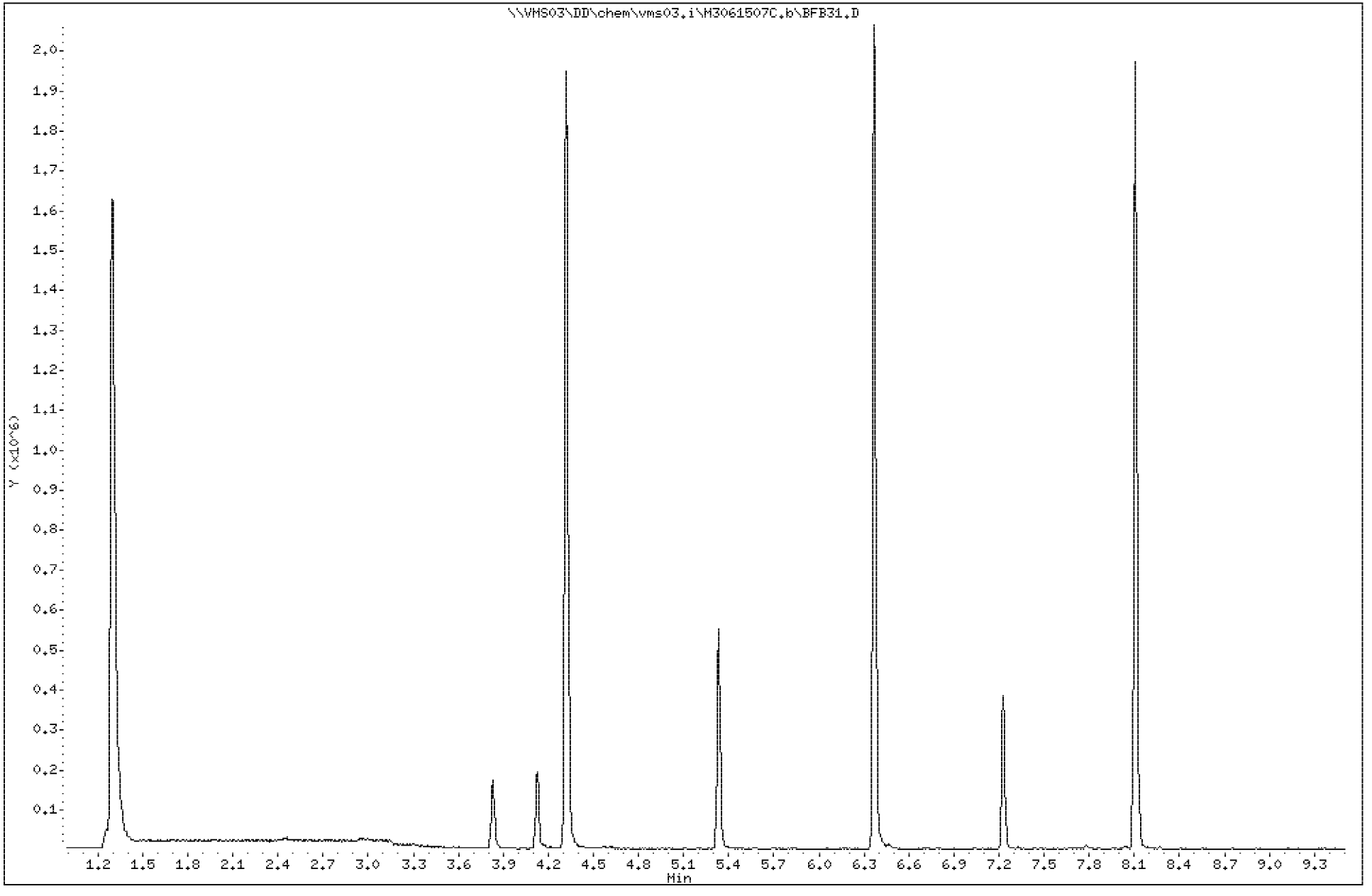
Sample Info: 061507BFBA31

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



Data File: \\VMS03\DD\chem\vms03.i\M3061507C.b\BFB31.D

Date : 15-JUN-2007 05:00

Client ID: 061507BFBA31

Instrument: vms03.i

Sample Info: 061507BFBA31

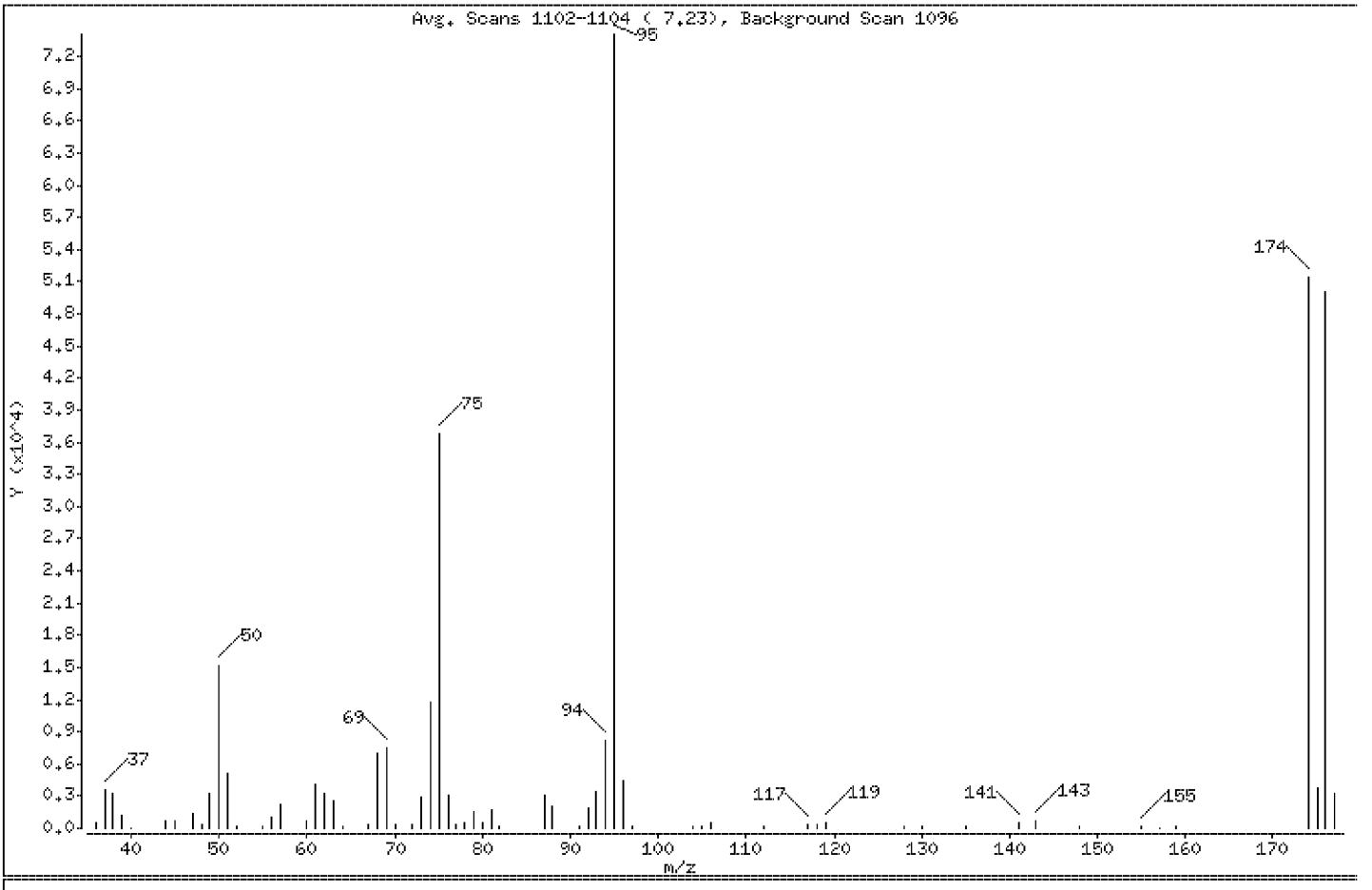
Purge Volume: 5.0

Operator:

Column phase: DB-624

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	20.48
75	30.00 - 60.00% of mass 95	49.77
96	5.00 - 9.00% of mass 95	5.95
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	69.45
175	5.00 - 9.00% of mass 174	5.01 (7.21)
176	95.00 - 101.00% of mass 174	67.52 (97.22)
177	5.00 - 9.00% of mass 176	4.33 (6.41)

Data File: \\VMS03\DD\chem\vms03.i\M3061507C.b\BFB31.D

Date : 15-JUN-2007 05:00

Client ID: 061507BFBA31 Instrument: vms03.i

Sample Info: 061507BFBA31

Purge Volume: 5.0 Operator:

Column phase: DB-624 Column diameter: 0.18

Data File: BFB31.D
Spectrum: Avg. Scans 1102-1104 (7.23), Background Scan 1096
Location of Maximum: 95.00
Number of points: 65

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	548	61.00	4102	81.00	1770	119.00	508
37.00	3534	62.00	3290	82.00	218	128.00	130
38.00	3183	63.00	2533	87.00	3133	130.00	104
39.00	1122	64.00	218	88.00	2074	135.00	106
40.00	47	67.00	263	91.00	182	141.00	445
44.00	618	68.00	7028	92.00	1912	143.00	701
45.00	654	69.00	7495	93.00	3472	148.00	86
47.00	1282	70.00	345	94.00	8236	155.00	241
48.00	400	72.00	390	95.00	74056	157.00	85
49.00	3276	73.00	2888	96.00	4407	159.00	87
50.00	15164	74.00	11685	97.00	126	174.00	51432
51.00	5163	75.00	36856	104.00	211	175.00	3709
52.00	213	76.00	3106	105.00	97	176.00	50000
55.00	215	77.00	350	106.00	506	177.00	3206
56.00	952	78.00	521	112.00	100		
57.00	2167	79.00	1613	117.00	400		
60.00	660	80.00	433	118.00	313		

PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3061507C.b\1PPB.D
Lab Smp Id: 1PPBTCAL Client Smp ID: 1PPBTCAL
Inj Date : 15-JUN-2007 06:13
Operator : Inst ID: vms03.i
Smp Info : 1PPBTCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3061507C.b\8260A.m
Meth Date : 18-Jun-2007 12:52 lpelo Quant Type: ISTD
Cal Date : 22-MAY-2007 09:03 Cal File: 80PPB.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				18922	2.00000	(a)
M 2 Xylenes (Total)	100				58438	3.00000	(a)
M 3 Trihalomethanes (Total)	100				33704	1.00000	(a)
4 Dichlorodifluoromethane	85	1.453	1.453	(0.196)	6032	1.00000	1.1
5 Chloromethane	50	1.669	1.660	(0.225)	13854	1.00000	1.5
6 Vinyl Chloride	62	1.770	1.755	(0.238)	7895	1.00000	1.2
7 Bromomethane	96	2.191	2.181	(0.295)	4906	1.00000	1.2(aQ)
8 Chloroethane	64	2.286	2.269	(0.308)	7119	1.00000	1.4(q)
9 Trichlorofluoromethane	101	2.515	2.519	(0.339)	10759	1.00000	1.1
11 1,1,2 Trichlorotrifluoromethan	101	3.043	3.042	(0.410)	5738	1.00000	0.86(a)
13 1,1-Dichloroethene	61	3.258	3.250	(0.439)	12344	1.00000	1.0(q)
109 t-Butyl-Alcohol	59	3.405	3.395	(0.458)	6312	10.0000	8.4(TQ)
14 Acetonitrile	41	3.471	3.456	(0.467)	16155	10.0000	12.2(qM)
15 Iodomethane	142	3.671	3.674	(0.494)	8096	1.00000	0.89(a)
16 Methyl Acetate	43	3.752	3.747	(0.505)	6203	1.00000	0.88
17 Allyl Chloride	41	3.769	3.764	(0.507)	13364	1.00000	1.2(q)
18 Carbon Disulfide	76	3.914	3.915	(0.527)	22596	1.00000	1.00(T)
19 Methylene Chloride	49	3.948	3.943	(0.531)	13605	1.00000	1.1(a)
20 Acrylonitrile	53	4.181	4.172	(0.563)	6105	2.00000	1.8(a)
21 Methyl-tert-butyl ether	73	4.231	4.221	(0.569)	18293	1.00000	0.92(a)
22 trans 1,2-Dichloroethene	61	4.408	4.404	(0.593)	11749	1.00000	1.1
23 1,1-Dichloroethane	63	5.074	5.069	(0.683)	13635	1.00000	0.99(a)
24 Vinyl Acetate	43	5.142	5.126	(0.692)	13414	1.00000	0.97(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
25 Chloroprene	53	5.206	5.202	(0.701)	12285	1.00000	0.97
26 2-Butanone	43	5.743	5.730	(0.773)	7593	2.00000	2.0(a)
27 Propionitrile	54	5.842	5.829	(0.786)	11475	10.0000	9.0
28 2,2-Dichloropropane	77	5.879	5.876	(0.791)	6624	1.00000	1.1(T)
29 cis-1,2-Dichloroethene	96	5.942	5.940	(0.800)	7173	1.00000	0.96(aq)
30 Methyacrylonitrile	67	6.100	6.091	(0.821)	29622	10.0000	9.4
31 Isobutyl Alcohol	43	6.203	6.158	(0.835)	6362	20.0000	18.7(TaQM)
32 Chloroform	83	6.153	6.153	(0.828)	14382	1.00000	1.1
33 Bromochloromethane	49	6.361	6.355	(0.856)	7731	1.00000	1.0
35 1,1,1-Trichloroethane	97	6.656	6.655	(0.896)	10210	1.00000	0.99(a)
36 Cyclohexane	56	6.654	6.655	(0.896)	12622	1.00000	0.94(a)
37 1,1-Dichloropropene	75	6.852	6.851	(0.922)	10004	1.00000	1.1
38 Carbon tetrachloride	117	6.957	6.957	(0.936)	7258	1.00000	0.95(a)
40 1,2-Dichloroethane	62	7.160	7.164	(0.964)	11288	1.00000	0.94(a)
41 Benzene	78	7.166	7.166	(0.964)	28648	1.00000	1.0
* 42 FLUOROBENZENE (IS)	96	7.430	7.430	(1.000)	1258118	50.0000	
43 Trichloroethylene	130	7.873	7.878	(1.060)	7413	1.00000	1.0
44 Methyl Cyclohexane	55	7.930	7.935	(1.067)	9577	1.00000	0.97(a)
45 1,2-Dichloropropane	63	8.078	8.079	(1.087)	8466	1.00000	1.0
46 Methyl Methacrylate	69	8.179	8.176	(1.101)	4199	1.00000	0.90
47 Bromodichloromethane	83	8.333	8.332	(1.122)	9254	1.00000	0.92(a)
48 1,4 Dioxane	88	8.386	8.374	(1.129)	1220	20.0000	16.9(TQ)
49 Dibromomethane	93	8.381	8.383	(1.128)	4786	1.00000	0.98(a)
50 4-Methyl-2-Pentanone	43	8.726	8.723	(0.664)	14791	2.00000	1.9(aQM)
51 2-Hexanone	43	9.637	9.630	(0.899)	9282	2.00000	1.7(a)
52 cis 1,3-Dichloropropene	75	8.928	8.926	(1.202)	11924	1.00000	0.99(a)
54 Toluene	92	9.254	9.254	(1.246)	18286	1.00000	1.00
55 trans 1,3-Dichloropropene	75	9.455	9.454	(1.273)	8696	1.00000	0.84(a)
56 Ethyl Methacrylate	69	9.459	9.456	(1.273)	7324	1.00000	0.88(a)
57 1,1,2-Trichloroethane	97	9.612	9.612	(1.294)	6715	1.00000	0.97(a)
58 1,3-Dichloropropane	76	9.871	9.872	(0.920)	11990	1.00000	1.0
59 Tetrachloroethylene	164	9.929	9.926	(0.926)	6210	1.00000	1.1
60 Dibromochloromethane	129	10.133	10.134	(0.945)	5886	1.00000	0.87(a)
61 1,2-Dibromoethane	107	10.338	10.338	(0.964)	6446	1.00000	0.97(a)
62 1-Chlorohexane	91	10.510	10.510	(0.980)	8587	1.00000	1.0
* 63 CHLOROBENZENE d5 (IS)	117	10.725	10.725	(1.000)	911388	50.0000	
64 Chlorobenzene	112	10.763	10.764	(1.004)	21378	1.00000	1.0
65 1,1,1,2-Tetrachloroethane	131	10.811	10.810	(1.008)	6021	1.00000	0.98(aq)
66 Ethylbenzene	106	10.819	10.819	(1.009)	9827	1.00000	0.92(aQ)
67 p,m-Xylene	106	10.894	10.896	(1.016)	27692	2.00000	2.0
68 o-Xylene	91	11.334	11.336	(1.057)	30746	1.00000	0.99(a)
69 Styrene	104	11.375	11.373	(1.061)	19702	1.00000	0.91(a)
70 Bromoform	173	11.713	11.714	(1.092)	4182	1.00000	0.96(a)
71 1-Methylethylbenzene	105	11.697	11.699	(0.890)	30854	1.00000	0.95(a)
73 1,1,2,2-Tetrachloroethane	83	11.875	11.874	(0.904)	8373	1.00000	0.97(a)
75 1,2,3- trichloropropane	110	12.021	12.021	(0.915)	2745	1.00000	1.0
76 n-Propylbenzene	91	12.104	12.103	(0.921)	38155	1.00000	0.94(a)
77 Bromobenzene	77	12.146	12.146	(0.924)	15632	1.00000	1.0
78 1,3,5-Trimethylbenzene	105	12.260	12.261	(0.933)	27358	1.00000	0.94(a)
79 2-Chlorotoluene	91	12.282	12.282	(0.934)	28564	1.00000	0.98(a)
80 4-Chlorotoluene	91	12.327	12.329	(0.938)	26255	1.00000	0.94(a)
81 tert-Butylbenzene	119	12.620	12.621	(0.960)	24940	1.00000	0.93(a)
82 1,2,4-trimethylbenzene	105	12.657	12.657	(0.963)	25837	1.00000	0.87(a)
83 sec-Butylbenzene	105	12.833	12.834	(0.976)	31192	1.00000	0.92(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
84	p-Isopropyltoluene	119	12.970	12.972	(0.987)	26684	1.00000	0.95(a)
85	1,3-Dichlorobenzene	146	13.067	13.069	(0.994)	14795	1.00000	0.95(a)
* 86	1,4-DICHLOROBENZENE-d4 (IS)	152	13.143	13.144	(1.000)	470438	50.0000	(q)
87	1,4-Dichlorobenzene	146	13.174	13.176	(1.002)	14582	1.00000	0.94(a)
88	Benzyl Chloride	91	13.292	13.294	(1.011)	4884	1.00000	0.70
89	n-Butylbenzene	91	13.380	13.383	(1.018)	21065	1.00000	0.88(a)
90	1,2-Dichlorobenzene	146	13.551	13.548	(1.031)	13023	1.00000	0.87(a)
91	1,2-dibromo-3-chloropropane	75	14.298	14.300	(1.088)	1264	1.00000	0.94(a)
92	1,2,4-Trichlorobenzene	180	14.972	14.980	(1.139)	5785	1.00000	0.86(a)
93	Hexachlorobutadiene	223	15.067	15.078	(1.146)	1937	1.00000	0.91(a)
94	Naphthalene	128	15.153	15.164	(1.153)	9206	1.00000	0.64(a)
95	1,2,3-trichlorobenzene	180	15.319	15.331	(1.166)	4420	1.00000	0.76(a)
103	Isopropyl Ether	45	4.967	4.960	(0.669)	26409	1.00000	0.98
104	Ethyl acetate	43	5.993	5.987	(0.807)	15534	2.00000	2.1
105	Cyclohexanone	55	11.766	11.759	(1.097)	7357	10.0000	8.5
106	Ethyl ether	59	2.856	2.853	(0.384)	5651	1.00000	0.85(aq)
107	2-Nitropropane	43	8.429	8.427	(1.135)	2885	2.00000	1.8(a)
108	Tetrahydrofuran	42	6.438	6.418	(0.867)	8712	2.00000	3.4(a)
112	2-Cleve	63	8.692	8.691	(1.170)	6045	2.00000	1.8(aq)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 1PPB.D
Lab Smp Id: 1PPBTCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3061507C.b\8260A.m
Misc Info:

Calibration Date: 15-JUN-2007
Calibration Time: 08:10
Client Smp ID: 1PPBTCAL
Level: LOW
Sample Type: WATER

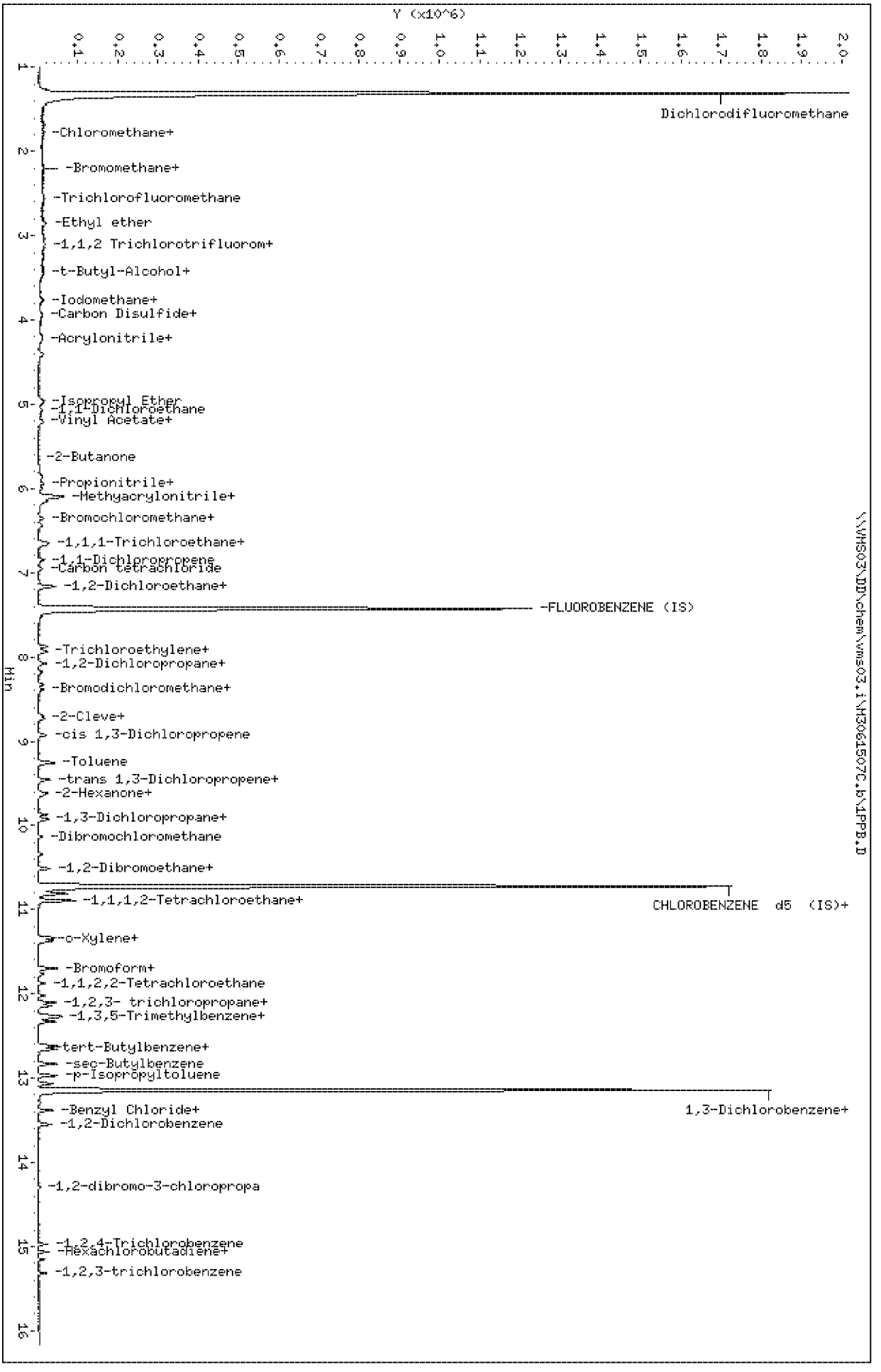
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1242529	621265	2485058	1258118	1.25
63 CHLOROBENZENE d5	904640	452320	1809280	911388	0.75
86 1,4-DICHLOROBENZE	495635	247818	991270	470438	-5.08

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	-0.01
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	-0.00
86 1,4-DICHLOROBENZE	13.14	12.64	13.64	13.14	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VHS03\DD\chem\vms03.i\M3061507C.b\1PPB.D
Date : 15-JUN-2007 06:13
Client ID: 1PPBTCAL
Sample Info: 1PPBTCAL
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



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Data file : \\VMS03\DD\chem\vms03.i\M3061507C.b\2PPB.D
Lab Smp Id: 2PPBCAL Client Smp ID: 2PPBCAL
Inj Date : 15-JUN-2007 06:37
Operator : Inst ID: vms03.i
Smp Info : 2PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3061507C.b\8260A.m
Meth Date : 18-Jun-2007 12:52 lpelo Quant Type: ISTD
Cal Date : 22-MAY-2007 09:03 Cal File: 80PPB.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				36761	4.00000	(a)
M 2 Xylenes (Total)	100				118364	6.00000	(a)
M 3 Trihalomethanes (Total)	100				69282	2.00000	(a)
4 Dichlorodifluoromethane	85	1.463	1.453	(0.197)	10498	2.00000	1.8(T)
5 Chloromethane	50	1.672	1.660	(0.225)	21858	2.00000	2.3
6 Vinyl Chloride	62	1.769	1.755	(0.238)	14492	2.00000	2.3
7 Bromomethane	96	2.198	2.181	(0.296)	8449	2.00000	2.0
8 Chloroethane	64	2.278	2.269	(0.307)	11807	2.00000	2.3
9 Trichlorofluoromethane	101	2.529	2.519	(0.340)	19532	2.00000	1.9
10 Acrolein	56	3.022	3.011	(0.407)	5950	4.00000	4.4
11 1,1,2 Trichlorotrifluoromethan	101	3.047	3.042	(0.410)	11921	2.00000	1.7(a)
12 Acetone	43	3.106	3.101	(0.418)	18298	4.00000	5.8(a)
13 1,1-Dichloroethene	61	3.257	3.250	(0.438)	23111	2.00000	1.8
109 t-Butyl-Alcohol	59	3.413	3.395	(0.459)	13504	20.0000	17.0
14 Acetonitrile	41	3.467	3.456	(0.467)	29211	20.0000	22.1
15 Iodomethane	142	3.674	3.674	(0.494)	18144	2.00000	1.9(a)
16 Methyl Acetate	43	3.755	3.747	(0.505)	14699	2.00000	2.0(T)
17 Allyl Chloride	41	3.769	3.764	(0.507)	23422	2.00000	2.1(q)
18 Carbon Disulfide	76	3.923	3.915	(0.528)	46502	2.00000	2.0(T)
19 Methylene Chloride	49	3.952	3.943	(0.532)	27239	2.00000	2.2
20 Acrylonitrile	53	4.176	4.172	(0.562)	13347	4.00000	3.9
21 Methyl-tert-butyl ether	73	4.234	4.221	(0.570)	37288	2.00000	1.8
22 trans 1,2-Dichloroethene	61	4.408	4.404	(0.593)	22483	2.00000	2.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	5.075	5.069	(0.683)	29417	2.00000	2.1
	24 Vinyl Acetate	43	5.131	5.126	(0.690)	22841	2.00000	1.5
	25 Chloroprene	53	5.203	5.202	(0.700)	24371	2.00000	1.9
	26 2-Butanone	43	5.744	5.730	(0.773)	15375	4.00000	4.1(a)
	27 Propionitrile	54	5.839	5.829	(0.786)	24840	20.0000	18.8
	28 2,2-Dichloropropane	77	5.878	5.876	(0.791)	12065	2.00000	2.0
	29 cis-1,2-Dichloroethene	96	5.940	5.940	(0.799)	14278	2.00000	1.8(q)
	30 Methyacrylonitrile	67	6.093	6.091	(0.820)	62132	20.0000	19.2
	31 Isobutyl Alcohol	43	6.179	6.158	(0.832)	22287	40.0000	75.6(Q)
	32 Chloroform	83	6.155	6.153	(0.828)	28019	2.00000	2.0
	33 Bromochloromethane	49	6.363	6.355	(0.856)	16243	2.00000	2.1
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.433	6.433	(0.866)	16698	2.00000	2.6
	35 1,1,1-Trichloroethane	97	6.658	6.655	(0.896)	20981	2.00000	2.0
	36 Cyclohexane	56	6.656	6.655	(0.896)	26569	2.00000	1.9(a)
	37 1,1-Dichloropropene	75	6.853	6.851	(0.922)	18869	2.00000	2.0
	38 Carbon tetrachloride	117	6.955	6.957	(0.936)	14854	2.00000	1.9
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.053	7.054	(0.949)	3247	2.00000	2.1(Q)
	40 1,2-Dichloroethane	62	7.164	7.164	(0.964)	25559	2.00000	2.1
	41 Benzene	78	7.165	7.166	(0.964)	60152	2.00000	2.1
*	42 FLUOROBENZENE (IS)	96	7.431	7.430	(1.000)	1281178	50.0000	
	43 Trichloroethylene	130	7.878	7.878	(1.060)	14823	2.00000	2.0
	44 Methyl Cyclohexane	55	7.930	7.935	(1.067)	19174	2.00000	1.9(a)
	45 1,2-Dichloropropane	63	8.081	8.079	(1.087)	15556	2.00000	1.9
	46 Methyl Methacrylate	69	8.177	8.176	(1.100)	8814	2.00000	1.8
	47 Bromodichloromethane	83	8.331	8.332	(1.121)	20523	2.00000	2.0
	48 1,4 Dioxane	88	8.387	8.374	(1.129)	2647	40.0000	35.2
	49 Dibromomethane	93	8.385	8.383	(1.128)	9430	2.00000	1.9
	50 4-Methyl-2-Pentanone	43	8.725	8.723	(0.664)	32132	4.00000	4.0(a)
	51 2-Hexanone	43	9.638	9.630	(0.899)	20543	4.00000	3.8(a)
	52 cis 1,3-Dichloropropene	75	8.928	8.926	(1.202)	22726	2.00000	1.8
$	53 TOLUENE d8 (surr)	98	9.172	9.172	(1.234)	62238	2.00000	2.4
	54 Toluene	92	9.253	9.254	(1.245)	37308	2.00000	2.0
	55 trans 1,3-Dichloropropene	75	9.456	9.454	(1.272)	19259	2.00000	1.8
	56 Ethyl Methacrylate	69	9.457	9.456	(1.273)	15673	2.00000	1.8
	57 1,1,2-Trichloroethane	97	9.612	9.612	(1.294)	14004	2.00000	2.0
	58 1,3-Dichloropropane	76	9.872	9.872	(0.920)	22326	2.00000	1.9
	59 Tetrachloroethylene	164	9.926	9.926	(0.926)	11523	2.00000	2.0
	60 Dibromochloromethane	129	10.132	10.134	(0.945)	12686	2.00000	1.8
	61 1,2-Dibromoethane	107	10.338	10.338	(0.964)	12482	2.00000	1.8
	62 1-Chlorohexane	91	10.512	10.510	(0.980)	16498	2.00000	1.9
*	63 CHLOROBENZENE d5 (IS)	117	10.725	10.725	(1.000)	913777	50.0000	
	64 Chlorobenzene	112	10.765	10.764	(1.004)	43706	2.00000	2.1
	65 1,1,1,2-Tetrachloroethane	131	10.808	10.810	(1.008)	12284	2.00000	2.0(q)
	66 Ethylbenzene	106	10.818	10.819	(1.009)	21944	2.00000	2.1(q)
	67 p,m-Xylene	106	10.896	10.896	(1.016)	54856	4.00000	4.0
	68 o-Xylene	91	11.338	11.336	(1.057)	63508	2.00000	2.0
	69 Styrene	104	11.375	11.373	(1.061)	38944	2.00000	1.8
	70 Bromoform	173	11.716	11.714	(1.092)	8054	2.00000	1.8
	71 1-Methylethylbenzene	105	11.699	11.699	(0.890)	65958	2.00000	2.0
	72 1,4-Dichloro-2-Butene	53	11.372	11.372	(0.865)	378	4.00000	3.0(Q)
	73 1,1,2,2-Tetrachloroethane	83	11.874	11.874	(0.903)	18018	2.00000	2.1
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.953	11.952	(0.909)	24269	2.00000	2.4
	75 1,2,3- trichloropropane	110	12.026	12.021	(0.915)	5623	2.00000	2.1
	76 n-Propylbenzene	91	12.103	12.103	(0.921)	81475	2.00000	2.0

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	12.147	12.146	(0.924)	32618	2.00000	2.1
78 1,3,5-Trimethylbenzene	105	12.261	12.261	(0.933)	56416	2.00000	1.9
79 2-Chlorotoluene	91	12.281	12.282	(0.934)	58057	2.00000	2.0
80 4-Chlorotoluene	91	12.329	12.329	(0.938)	57688	2.00000	2.0
81 tert-Butylbenzene	119	12.620	12.621	(0.960)	54371	2.00000	2.0
82 1,2,4-trimethylbenzene	105	12.657	12.657	(0.963)	58883	2.00000	1.9
83 sec-Butylbenzene	105	12.833	12.834	(0.976)	67043	2.00000	1.9
84 p-Isopropyltoluene	119	12.971	12.972	(0.987)	53717	2.00000	1.8
85 1,3-Dichlorobenzene	146	13.067	13.069	(0.994)	31667	2.00000	2.0
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.143	13.144	(1.000)	475670	50.0000	(q)
87 1,4-Dichlorobenzene	146	13.175	13.176	(1.002)	31730	2.00000	2.0
88 Benzyl Chloride	91	13.295	13.294	(1.012)	10964	2.00000	1.5
89 n-Butylbenzene	91	13.383	13.383	(1.018)	45938	2.00000	1.9
90 1,2-Dichlorobenzene	146	13.547	13.548	(1.031)	29216	2.00000	1.9
91 1,2-dibromo-3-chloropropane	75	14.296	14.300	(1.088)	2563	2.00000	1.9
92 1,2,4-Trichlorobenzene	180	14.963	14.980	(1.138)	11145	2.00000	1.6
93 Hexachlorobutadiene	223	15.057	15.078	(1.146)	4413	2.00000	2.1
94 Naphthalene	128	15.143	15.164	(1.152)	21605	2.00000	1.4
95 1,2,3-trichlorobenzene	180	15.305	15.331	(1.164)	9701	2.00000	1.6
103 Isopropyl Ether	45	4.964	4.960	(0.668)	54033	2.00000	2.0
104 Ethyl acetate	43	5.999	5.987	(0.807)	30180	4.00000	4.0
105 Cyclohexanone	55	11.765	11.759	(1.097)	15221	20.0000	17.1
106 Ethyl ether	59	2.856	2.853	(0.384)	12597	2.00000	1.8(aQ)
107 2-Nitropropane	43	8.427	8.427	(1.134)	6477	4.00000	3.9(a)
108 Tetrahydrofuran	42	6.439	6.418	(0.867)	12675	4.00000	5.2(a)
112 2-Cleve	63	8.693	8.691	(1.170)	12591	4.00000	3.5(aq)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 2PPB.D
Lab Smp Id: 2PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3061507C.b\8260A.m
Misc Info:

Calibration Date: 15-JUN-2007
Calibration Time: 08:10
Client Smp ID: 2PPBCAL
Level: LOW
Sample Type: WATER

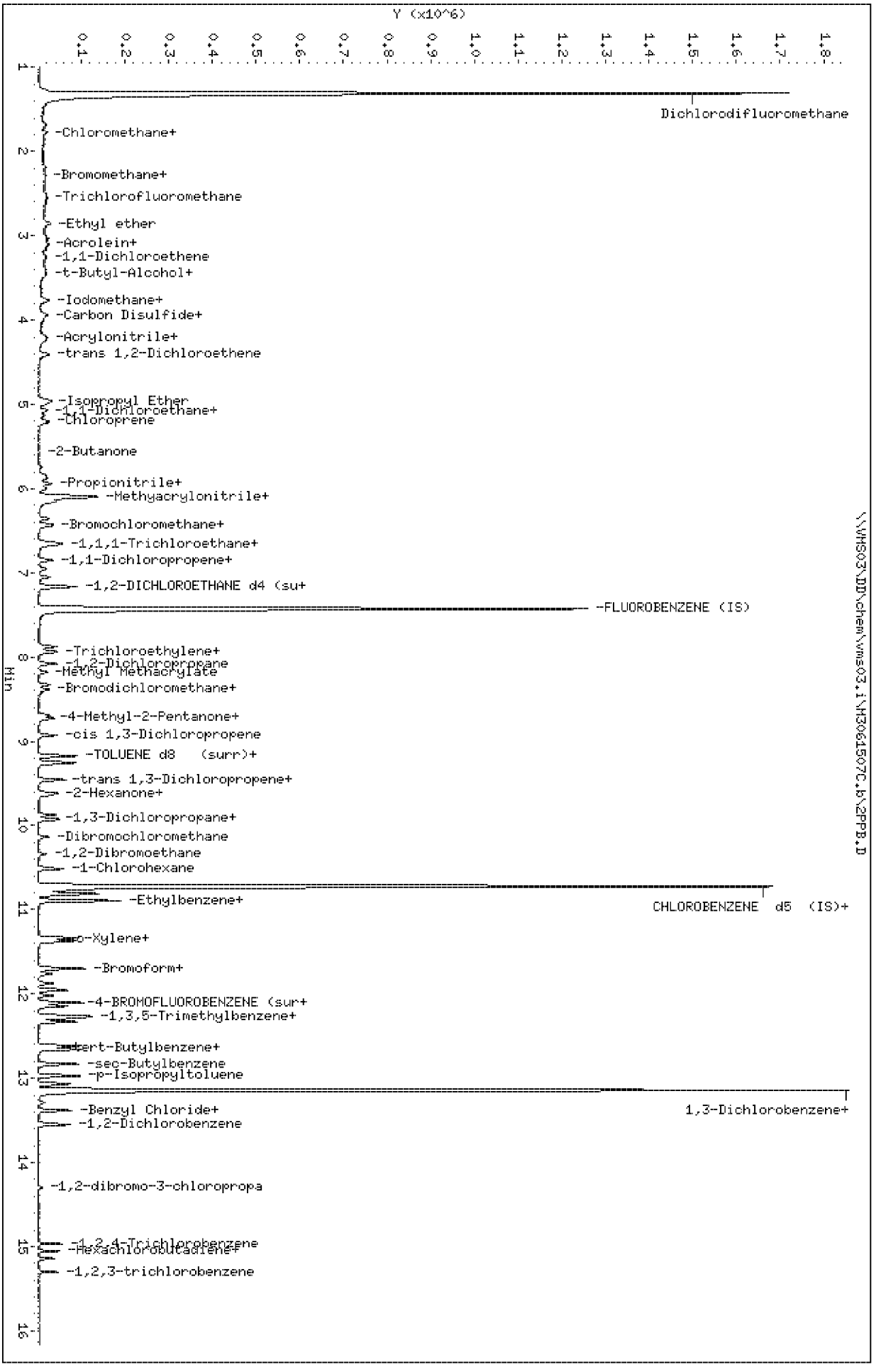
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1242529	621265	2485058	1281178	3.11
63 CHLOROBENZENE d5	904640	452320	1809280	913777	1.01
86 1,4-DICHLOROBENZE	495635	247818	991270	475670	-4.03

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.01
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	-0.00
86 1,4-DICHLOROBENZE	13.14	12.64	13.64	13.14	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3061507C.b\2PPB.D
Date : 15-JUN-2007 06:37
Client ID: 2PPBCAL
Sample Info: 2PPBCAL
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3061507C.b\5PPB.D
Lab Smp Id: 5PPBCAL Client Smp ID: 5PPBCAL
Inj Date : 15-JUN-2007 07:00
Operator : Inst ID: vms03.i
Smp Info : 5PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3061507C.b\8260A.m
Meth Date : 18-Jun-2007 12:52 lpelo Quant Type: ISTD
Cal Date : 22-MAY-2007 09:03 Cal File: 80PPB.D
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				95077	10.0000	(a)
M 2 Xylenes (Total)	100				291493	15.0000	(a)
M 3 Trihalomethanes (Total)	100				171989	5.00000	(a)
4 Dichlorodifluoromethane	85	1.455	1.453	(0.196)	30635	5.00000	5.4
5 Chloromethane	50	1.671	1.660	(0.225)	48247	5.00000	5.3
6 Vinyl Chloride	62	1.769	1.755	(0.238)	37072	5.00000	6.2
7 Bromomethane	96	2.197	2.181	(0.296)	22007	5.00000	5.2
8 Chloroethane	64	2.278	2.269	(0.307)	27903	5.00000	5.6
9 Trichlorofluoromethane	101	2.528	2.519	(0.340)	52113	5.00000	5.2
10 Acrolein	56	3.020	3.011	(0.406)	14666	10.0000	11.1
11 1,1,2 Trichlorotrifluoromethan	101	3.047	3.042	(0.410)	33102	5.00000	4.7(a)
12 Acetone	43	3.105	3.101	(0.418)	38159	10.0000	13.2
13 1,1-Dichloroethene	61	3.262	3.250	(0.439)	65747	5.00000	5.4
109 t-Butyl-Alcohol	59	3.406	3.395	(0.458)	39036	50.0000	49.5
14 Acetonitrile	41	3.465	3.456	(0.466)	67089	50.0000	51.5
15 Iodomethane	142	3.677	3.674	(0.495)	44058	5.00000	4.7
16 Methyl Acetate	43	3.749	3.747	(0.505)	36147	5.00000	5.1
17 Allyl Chloride	41	3.770	3.764	(0.507)	53643	5.00000	4.7(q)
18 Carbon Disulfide	76	3.916	3.915	(0.527)	120461	5.00000	5.4
19 Methylene Chloride	49	3.950	3.943	(0.532)	62165	5.00000	5.0
20 Acrylonitrile	53	4.180	4.172	(0.563)	34647	10.0000	10.2
21 Methyl-tert-butyl ether	73	4.226	4.221	(0.569)	99501	5.00000	4.8
22 trans 1,2-Dichloroethene	61	4.408	4.404	(0.593)	56516	5.00000	5.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	5.072	5.069	(0.683)	69318	5.00000	5.0
	24 Vinyl Acetate	43	5.135	5.126	(0.691)	73597	5.00000	5.0
	25 Chloroprene	53	5.205	5.202	(0.701)	64501	5.00000	5.0
	26 2-Butanone	43	5.741	5.730	(0.773)	38885	10.0000	10.5
	27 Propionitrile	54	5.837	5.829	(0.786)	65202	50.0000	49.8
	28 2,2-Dichloropropane	77	5.878	5.876	(0.791)	29959	5.00000	5.1
	29 cis-1,2-Dichloroethene	96	5.943	5.940	(0.800)	38561	5.00000	5.0
	30 Methyacrylonitrile	67	6.095	6.091	(0.820)	159252	50.0000	49.4
	31 Isobutyl Alcohol	43	6.170	6.158	(0.830)	31057	100.000	108(Q)
	32 Chloroform	83	6.152	6.153	(0.828)	69216	5.00000	5.2
	33 Bromochloromethane	49	6.358	6.355	(0.856)	38904	5.00000	5.1
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.435	6.433	(0.866)	31883	5.00000	4.9
	35 1,1,1-Trichloroethane	97	6.657	6.655	(0.896)	52591	5.00000	5.1
	36 Cyclohexane	56	6.660	6.655	(0.896)	68389	5.00000	5.0(a)
	37 1,1-Dichloropropene	75	6.851	6.851	(0.922)	47969	5.00000	5.0
	38 Carbon tetrachloride	117	6.959	6.957	(0.937)	38341	5.00000	4.9
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.051	7.054	(0.949)	7549	5.00000	4.9(q)
	40 1,2-Dichloroethane	62	7.166	7.164	(0.964)	60793	5.00000	5.1
	41 Benzene	78	7.168	7.166	(0.965)	144206	5.00000	5.0
*	42 FLUOROBENZENE (IS)	96	7.430	7.430	(1.000)	1271262	50.0000	
	43 Trichloroethylene	130	7.879	7.878	(1.060)	36731	5.00000	5.2
	44 Methyl Cyclohexane	55	7.936	7.935	(1.068)	50328	5.00000	5.0(a)
	45 1,2-Dichloropropane	63	8.079	8.079	(1.087)	42044	5.00000	5.1
	46 Methyl Methacrylate	69	8.183	8.176	(1.101)	21772	5.00000	4.4
	47 Bromodichloromethane	83	8.333	8.332	(1.121)	49698	5.00000	4.8
	48 1,4 Dioxane	88	8.381	8.374	(1.128)	6998	100.000	91.9
	49 Dibromomethane	93	8.384	8.383	(1.128)	26090	5.00000	5.2
	50 4-Methyl-2-Pentanone	43	8.723	8.723	(0.664)	82467	10.0000	10.1(M)
	51 2-Hexanone	43	9.635	9.630	(0.898)	51769	10.0000	9.4
	52 cis 1,3-Dichloropropene	75	8.927	8.926	(1.201)	58317	5.00000	4.6
$	53 TOLUENE d8 (surr)	98	9.173	9.172	(1.235)	127670	5.00000	4.9
	54 Toluene	92	9.255	9.254	(1.246)	93913	5.00000	5.1
	55 trans 1,3-Dichloropropene	75	9.453	9.454	(1.272)	48077	5.00000	4.4
	56 Ethyl Methacrylate	69	9.459	9.456	(1.273)	39237	5.00000	4.5
	57 1,1,2-Trichloroethane	97	9.612	9.612	(1.294)	36011	5.00000	5.2
	58 1,3-Dichloropropane	76	9.872	9.872	(0.920)	60493	5.00000	5.1
	59 Tetrachloroethylene	164	9.926	9.926	(0.925)	29421	5.00000	5.3
	60 Dibromochloromethane	129	10.133	10.134	(0.945)	31954	5.00000	4.5
	61 1,2-Dibromoethane	107	10.338	10.338	(0.964)	33333	5.00000	4.8
	62 1-Chlorohexane	91	10.510	10.510	(0.980)	41230	5.00000	4.7
*	63 CHLOROBENZENE d5 (IS)	117	10.725	10.725	(1.000)	918741	50.0000	
	64 Chlorobenzene	112	10.765	10.764	(1.004)	106351	5.00000	5.1
	65 1,1,1,2-Tetrachloroethane	131	10.808	10.810	(1.008)	30220	5.00000	4.8
	66 Ethylbenzene	106	10.819	10.819	(1.009)	53598	5.00000	5.0
	67 p,m-Xylene	106	10.896	10.896	(1.016)	138031	10.0000	10
	68 o-Xylene	91	11.336	11.336	(1.057)	153462	5.00000	4.9
	69 Styrene	104	11.373	11.373	(1.060)	110315	5.00000	4.9
	70 Bromoform	173	11.714	11.714	(1.092)	21121	5.00000	4.6
	71 1-Methylethylbenzene	105	11.699	11.699	(0.890)	163497	5.00000	4.8
	72 1,4-Dichloro-2-Butene	53	11.376	11.372	(0.865)	1157	10.0000	8.7(Q)
	73 1,1,2,2-Tetrachloroethane	83	11.874	11.874	(0.903)	44480	5.00000	5.0
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.952	11.952	(0.909)	51474	5.00000	4.9
	75 1,2,3- trichloropropane	110	12.024	12.021	(0.915)	13823	5.00000	5.0
	76 n-Propylbenzene	91	12.103	12.103	(0.921)	208660	5.00000	4.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	12.145	12.146	(0.924)	79245	5.00000	5.1
78 1,3,5-Trimethylbenzene	105	12.261	12.261	(0.933)	148571	5.00000	4.8
79 2-Chlorotoluene	91	12.281	12.282	(0.934)	147351	5.00000	4.8
80 4-Chlorotoluene	91	12.329	12.329	(0.938)	145470	5.00000	5.0
81 tert-Butylbenzene	119	12.621	12.621	(0.960)	135643	5.00000	4.8
82 1,2,4-trimethylbenzene	105	12.657	12.657	(0.963)	155175	5.00000	5.0
83 sec-Butylbenzene	105	12.833	12.834	(0.976)	175164	5.00000	4.9
84 p-Isopropyltoluene	119	12.971	12.972	(0.987)	144258	5.00000	4.8
85 1,3-Dichlorobenzene	146	13.069	13.069	(0.994)	81337	5.00000	5.0
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.144	13.144	(1.000)	487128	50.0000	(q)
87 1,4-Dichlorobenzene	146	13.176	13.176	(1.002)	78059	5.00000	4.9
88 Benzyl Chloride	91	13.293	13.294	(1.011)	30581	5.00000	3.7
89 n-Butylbenzene	91	13.381	13.383	(1.018)	118776	5.00000	4.7
90 1,2-Dichlorobenzene	146	13.549	13.548	(1.031)	77359	5.00000	5.0
91 1,2-dibromo-3-chloropropane	75	14.298	14.300	(1.088)	6696	5.00000	4.7
92 1,2,4-Trichlorobenzene	180	14.969	14.980	(1.139)	31290	5.00000	4.1
93 Hexachlorobutadiene	223	15.063	15.078	(1.146)	10985	5.00000	5.0
94 Naphthalene	128	15.149	15.164	(1.153)	63067	5.00000	3.7
95 1,2,3-trichlorobenzene	180	15.313	15.331	(1.165)	26733	5.00000	4.0
103 Isopropyl Ether	45	4.965	4.960	(0.668)	136198	5.00000	5.0
104 Ethyl acetate	43	5.994	5.987	(0.807)	76884	10.0000	10.2
105 Cyclohexanone	55	11.762	11.759	(1.097)	40007	50.0000	43.0
106 Ethyl ether	59	2.856	2.853	(0.384)	33892	5.00000	5.0(a)
107 2-Nitropropane	43	8.428	8.427	(1.134)	15456	10.0000	9.2(a)
108 Tetrahydrofuran	42	6.433	6.418	(0.866)	26278	10.0000	11.1
112 2-Cleve	63	8.692	8.691	(1.170)	33638	10.0000	9.2(aq)

QC Flag Legend

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

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 5PPB.D
Lab Smp Id: 5PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3061507C.b\8260A.m
Misc Info:

Calibration Date: 15-JUN-2007
Calibration Time: 08:10
Client Smp ID: 5PPBCAL
Level: LOW
Sample Type: WATER

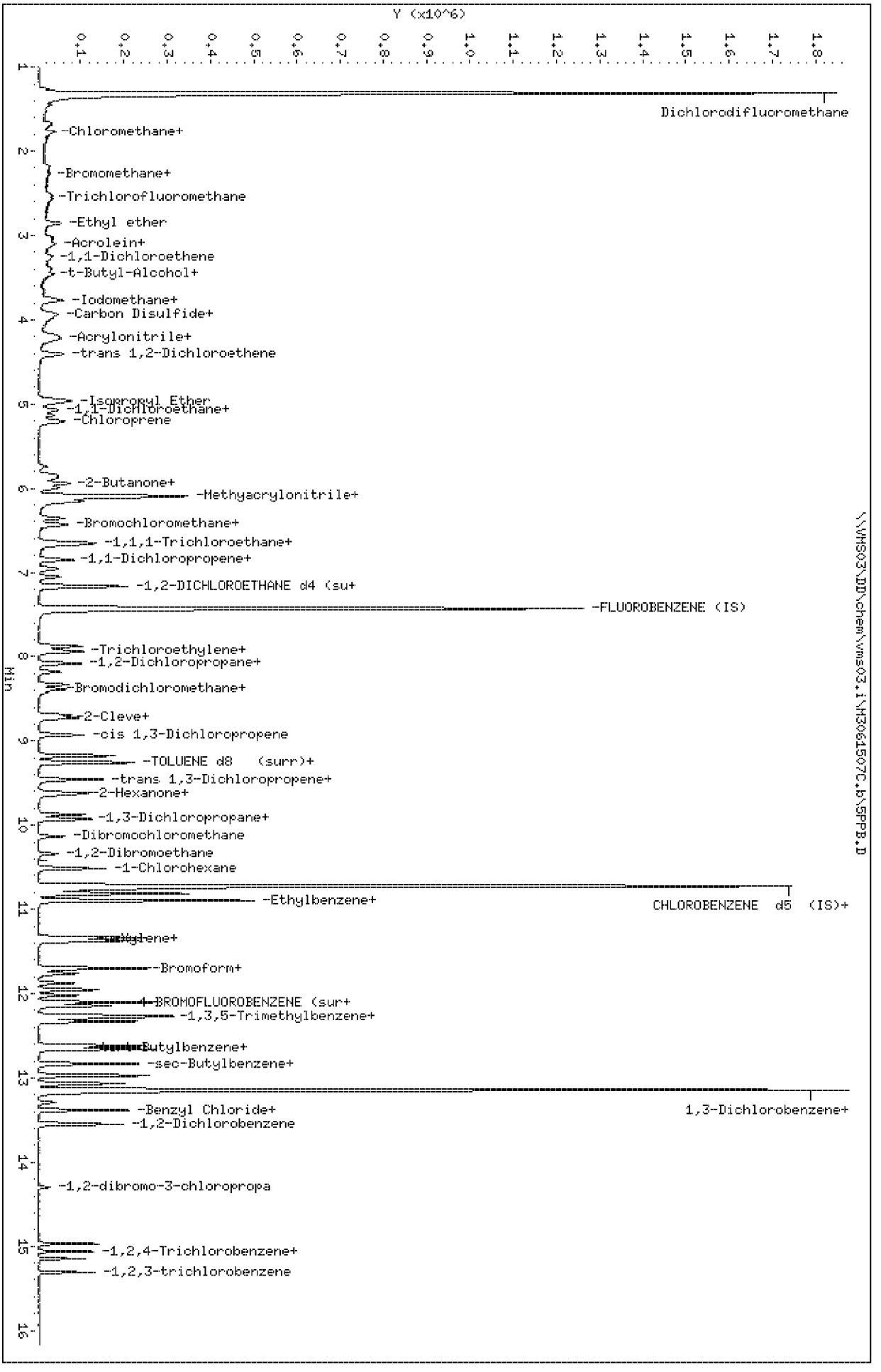
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1242529	621265	2485058	1271262	2.31
63 CHLOROBENZENE d5	904640	452320	1809280	918741	1.56
86 1,4-DICHLOROBENZE	495635	247818	991270	487128	-1.72

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	-0.00
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	0.00
86 1,4-DICHLOROBENZE	13.14	12.64	13.64	13.14	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3061507C.b\5PPB.D
Date : 15-JUN-2007 07:00
Client ID: 5PPBCAL
Sample Info: 5PPBCAL
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3061507C.b\10PPB.D
Lab Smp Id: 10PPBCAL Client Smp ID: 10PPBCAL
Inj Date : 15-JUN-2007 07:23
Operator : Inst ID: vms03.i
Smp Info : 10PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3061507C.b\8260A.m
Meth Date : 18-Jun-2007 12:52 lpelo Quant Type: ISTD
Cal Date : 22-MAY-2007 09:03 Cal File: 80PPB.D
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				185759	20.0000	(a)
M 2 Xylenes (Total)	100				591175	30.0000	(a)
M 3 Trihalomethanes (Total)	100				347942	10.0000	(a)
4 Dichlorodifluoromethane	85	1.455	1.453	(0.196)	60813	10.0000	10.8
5 Chloromethane	50	1.668	1.660	(0.224)	97517	10.0000	10.9
6 Vinyl Chloride	62	1.767	1.755	(0.238)	71264	10.0000	12.9
7 Bromomethane	96	2.185	2.181	(0.294)	47002	10.0000	11.5
8 Chloroethane	64	2.277	2.269	(0.306)	56124	10.0000	11.7
9 Trichlorofluoromethane	101	2.530	2.519	(0.341)	106119	10.0000	10.8
10 Acrolein	56	3.015	3.011	(0.406)	25372	20.0000	18.6
11 1,1,2 Trichlorotrifluoromethan	101	3.052	3.042	(0.411)	74307	10.0000	10.5
12 Acetone	43	3.100	3.101	(0.417)	60827	20.0000	21.1
13 1,1-Dichloroethene	61	3.258	3.250	(0.438)	117382	10.0000	9.2
109 t-Butyl-Alcohol	59	3.395	3.395	(0.457)	70779	100.000	84.1
14 Acetonitrile	41	3.461	3.456	(0.466)	129845	100.000	97.9
15 Iodomethane	142	3.676	3.674	(0.495)	93005	10.0000	9.7
16 Methyl Acetate	43	3.746	3.747	(0.504)	69178	10.0000	9.6
17 Allyl Chloride	41	3.770	3.764	(0.507)	112726	10.0000	9.7(q)
18 Carbon Disulfide	76	3.924	3.915	(0.528)	218805	10.0000	9.5
19 Methylene Chloride	49	3.948	3.943	(0.531)	123920	10.0000	9.9
20 Acrylonitrile	53	4.176	4.172	(0.562)	62423	20.0000	17.3
21 Methyl-tert-butyl ether	73	4.226	4.221	(0.569)	197907	10.0000	9.3
22 trans 1,2-Dichloroethene	61	4.407	4.404	(0.593)	109211	10.0000	9.8

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	5.072	5.069	(0.683)	139451	10.0000	10.0
	24 Vinyl Acetate	43	5.130	5.126	(0.690)	134677	10.0000	8.7
	25 Chloroprene	53	5.203	5.202	(0.700)	127258	10.0000	9.6
	26 2-Butanone	43	5.736	5.730	(0.772)	71105	20.0000	18.6
	27 Propionitrile	54	5.833	5.829	(0.785)	132286	100.000	99.8
	28 2,2-Dichloropropane	77	5.878	5.876	(0.791)	58276	10.0000	9.7
	29 cis-1,2-Dichloroethene	96	5.939	5.940	(0.799)	76548	10.0000	9.8
	30 Methyacrylonitrile	67	6.092	6.091	(0.820)	317636	100.000	96.2
	31 Isobutyl Alcohol	43	6.165	6.158	(0.830)	63731	200.000	232(Q)
	32 Chloroform	83	6.152	6.153	(0.828)	138419	10.0000	10.3
	33 Bromochloromethane	49	6.354	6.355	(0.855)	79020	10.0000	10.3
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.436	6.433	(0.866)	66047	10.0000	10.0
	35 1,1,1-Trichloroethane	97	6.654	6.655	(0.896)	103104	10.0000	9.8
	36 Cyclohexane	56	6.657	6.655	(0.896)	130587	10.0000	9.2(a)
	37 1,1-Dichloropropene	75	6.853	6.851	(0.922)	94298	10.0000	9.7
	38 Carbon tetrachloride	117	6.957	6.957	(0.936)	76388	10.0000	9.5
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.056	7.054	(0.950)	15390	10.0000	9.9
	40 1,2-Dichloroethane	62	7.164	7.164	(0.964)	118568	10.0000	9.6
	41 Benzene	78	7.166	7.166	(0.964)	290577	10.0000	10.1
*	42 FLUOROBENZENE (IS)	96	7.430	7.430	(1.000)	1286410	50.0000	
	43 Trichloroethylene	130	7.878	7.878	(1.060)	72583	10.0000	10.1
	44 Methyl Cyclohexane	55	7.935	7.935	(1.068)	101248	10.0000	9.8(a)
	45 1,2-Dichloropropane	63	8.079	8.079	(1.087)	79633	10.0000	9.4
	46 Methyl Methacrylate	69	8.176	8.176	(1.100)	46361	10.0000	9.1
	47 Bromodichloromethane	83	8.332	8.332	(1.121)	100727	10.0000	9.5
	48 1,4 Dioxane	88	8.378	8.374	(1.128)	14115	200.000	176
	49 Dibromomethane	93	8.385	8.383	(1.129)	48933	10.0000	9.6
	50 4-Methyl-2-Pentanone	43	8.725	8.723	(0.664)	156964	20.0000	18.5
	51 2-Hexanone	43	9.633	9.630	(0.898)	106463	20.0000	18.9
	52 cis 1,3-Dichloropropene	75	8.927	8.926	(1.201)	119109	10.0000	9.1
$	53 TOLUENE d8 (surr)	98	9.172	9.172	(1.234)	265673	10.0000	10.2
	54 Toluene	92	9.254	9.254	(1.245)	182328	10.0000	9.7
	55 trans 1,3-Dichloropropene	75	9.455	9.454	(1.272)	101333	10.0000	8.8
	56 Ethyl Methacrylate	69	9.457	9.456	(1.273)	81697	10.0000	8.9
	57 1,1,2-Trichloroethane	97	9.612	9.612	(1.294)	69391	10.0000	9.7
	58 1,3-Dichloropropane	76	9.872	9.872	(0.920)	117393	10.0000	9.6
	59 Tetrachloroethylene	164	9.927	9.926	(0.925)	55367	10.0000	9.8
	60 Dibromochloromethane	129	10.135	10.134	(0.945)	66347	10.0000	8.9
	61 1,2-Dibromoethane	107	10.338	10.338	(0.964)	66264	10.0000	9.3
	62 1-Chlorohexane	91	10.510	10.510	(0.980)	85950	10.0000	9.6
*	63 CHLOROBENZENE d5 (IS)	117	10.726	10.725	(1.000)	928337	50.0000	
	64 Chlorobenzene	112	10.763	10.764	(1.003)	203461	10.0000	9.6
	65 1,1,1,2-Tetrachloroethane	131	10.809	10.810	(1.008)	59994	10.0000	9.2
	66 Ethylbenzene	106	10.819	10.819	(1.009)	105338	10.0000	9.7
	67 p,m-Xylene	106	10.896	10.896	(1.016)	279447	20.0000	20.0
	68 o-Xylene	91	11.334	11.336	(1.057)	311728	10.0000	9.8
	69 Styrene	104	11.373	11.373	(1.060)	219024	10.0000	9.5
	70 Bromoform	173	11.713	11.714	(1.092)	42449	10.0000	8.8
	71 1-Methylethylbenzene	105	11.699	11.699	(0.890)	342654	10.0000	10.0
	72 1,4-Dichloro-2-Butene	53	11.373	11.372	(0.865)	2809	20.0000	21.3(Q)
	73 1,1,2,2-Tetrachloroethane	83	11.873	11.874	(0.903)	88178	10.0000	9.7
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.952	11.952	(0.909)	108829	10.0000	10.5
	75 1,2,3- trichloropropane	110	12.023	12.021	(0.915)	28142	10.0000	9.9
	76 n-Propylbenzene	91	12.102	12.103	(0.921)	427914	10.0000	10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	12.145	12.146	(0.924)	152572	10.0000	9.6
78 1,3,5-Trimethylbenzene	105	12.261	12.261	(0.933)	312586	10.0000	10
79 2-Chlorotoluene	91	12.281	12.282	(0.934)	308179	10.0000	9.9
80 4-Chlorotoluene	91	12.329	12.329	(0.938)	293852	10.0000	10.1
81 tert-Butylbenzene	119	12.621	12.621	(0.960)	282139	10.0000	9.9
82 1,2,4-trimethylbenzene	105	12.656	12.657	(0.963)	316434	10.0000	10.2
83 sec-Butylbenzene	105	12.833	12.834	(0.976)	357935	10.0000	10
84 p-Isopropyltoluene	119	12.970	12.972	(0.987)	299900	10.0000	9.9
85 1,3-Dichlorobenzene	146	13.069	13.069	(0.994)	162518	10.0000	10
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.143	13.144	(1.000)	493266	50.0000	(q)
87 1,4-Dichlorobenzene	146	13.174	13.176	(1.002)	160685	10.0000	9.9
88 Benzyl Chloride	91	13.292	13.294	(1.011)	66681	10.0000	7.4
89 n-Butylbenzene	91	13.382	13.383	(1.018)	250456	10.0000	9.6
90 1,2-Dichlorobenzene	146	13.547	13.548	(1.031)	156632	10.0000	9.9
91 1,2-dibromo-3-chloropropane	75	14.298	14.300	(1.088)	12490	10.0000	8.1
92 1,2,4-Trichlorobenzene	180	14.972	14.980	(1.139)	70464	10.0000	8.8
93 Hexachlorobutadiene	223	15.068	15.078	(1.146)	21554	10.0000	9.6
94 Naphthalene	128	15.154	15.164	(1.153)	149564	10.0000	8.3
95 1,2,3-trichlorobenzene	180	15.318	15.331	(1.165)	63556	10.0000	9.2
103 Isopropyl Ether	45	4.963	4.960	(0.668)	270149	10.0000	9.7
104 Ethyl acetate	43	5.990	5.987	(0.806)	149463	20.0000	19.4
105 Cyclohexanone	55	11.760	11.759	(1.096)	93254	100.000	99.0
106 Ethyl ether	59	2.854	2.853	(0.384)	67590	10.0000	9.6(aq)
107 2-Nitropropane	43	8.427	8.427	(1.134)	31852	20.0000	18.0
108 Tetrahydrofuran	42	6.425	6.418	(0.865)	47808	20.0000	20.0
112 2-Cleve	63	8.691	8.691	(1.170)	67159	20.0000	17.4

QC Flag Legend

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

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 10PPB.D
Lab Smp Id: 10PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3061507C.b\8260A.m
Misc Info:

Calibration Date: 15-JUN-2007
Calibration Time: 08:10
Client Smp ID: 10PPBCAL
Level: LOW
Sample Type: WATER

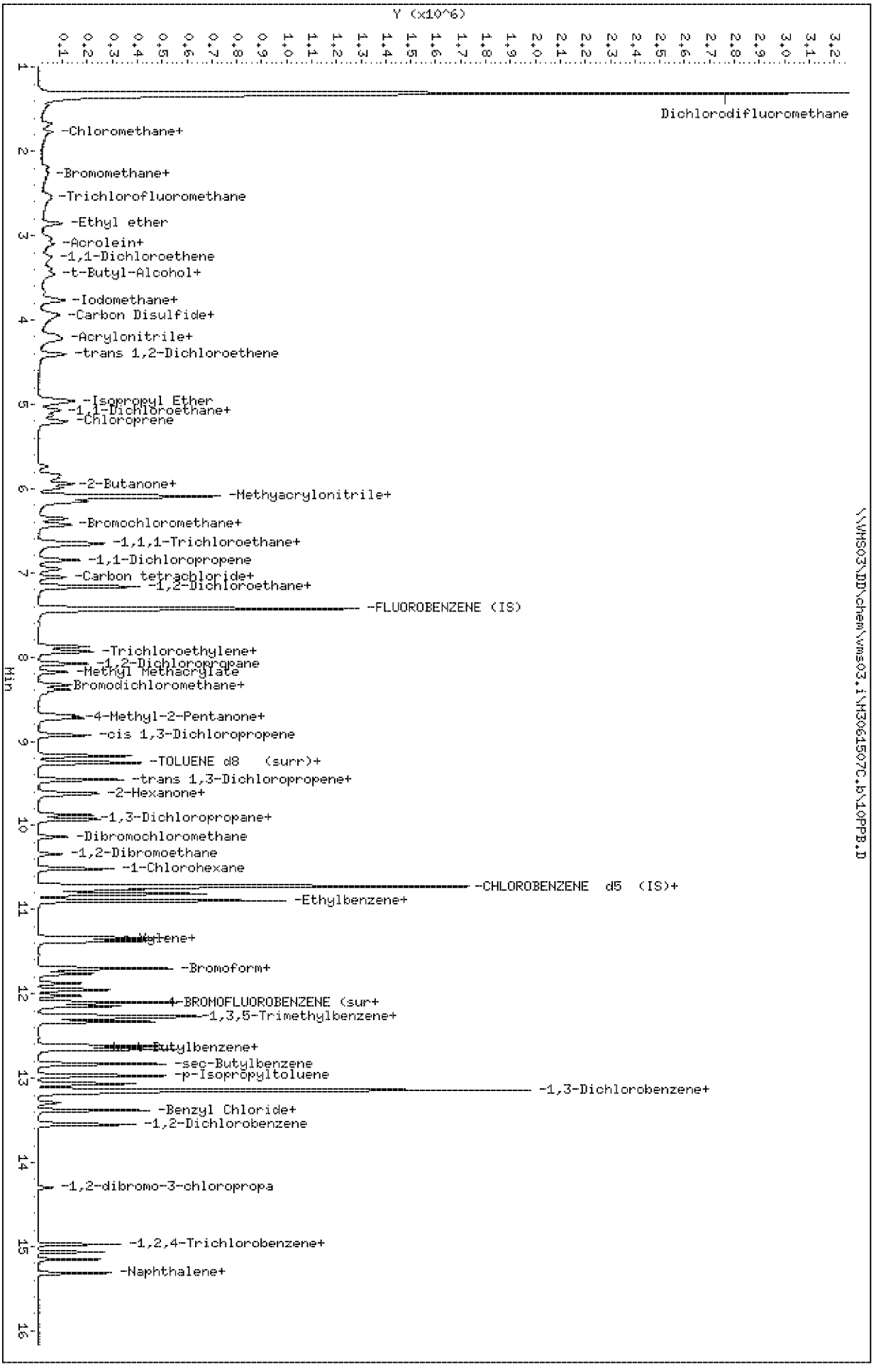
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1242529	621265	2485058	1286410	3.53
63 CHLOROBENZENE d5	904640	452320	1809280	928337	2.62
86 1,4-DICHLOROBENZE	495635	247818	991270	493266	-0.48

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	-0.00
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	0.00
86 1,4-DICHLOROBENZE	13.14	12.64	13.64	13.14	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VHS03\DD\chem\vms03.i\M3061507C.b\10PPB.D
Date : 15-JUN-2007 07:23
Client ID: 10PPBCAL
Sample Info: 10PPBCAL
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



\\VHS03\DD\chem\vms03.i\M3061507C.b\10PPB.D

PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3061507C.b\20PPB.D
Lab Smp Id: 20PPBCAL Client Smp ID: 20PPBCAL
Inj Date : 15-JUN-2007 07:47
Operator : Inst ID: vms03.i
Smp Info : 20PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3061507C.b\8260A.m
Meth Date : 18-Jun-2007 12:52 lpelo Quant Type: ISTD
Cal Date : 22-MAY-2007 09:03 Cal File: 80PPB.D
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				372707	40.0000	(a)
M 2 Xylenes (Total)	100				1187430	60.0000	(a)
M 3 Trihalomethanes (Total)	100				700527	20.0000	(a)
4 Dichlorodifluoromethane	85	1.454	1.453	(0.196)	106701	20.0000	18.7
5 Chloromethane	50	1.670	1.660	(0.225)	175369	20.0000	20.0
6 Vinyl Chloride	62	1.765	1.755	(0.238)	114729	20.0000	22.5
7 Bromomethane	96	2.188	2.181	(0.295)	78297	20.0000	19.1
8 Chloroethane	64	2.275	2.269	(0.306)	92002	20.0000	19.3
9 Trichlorofluoromethane	101	2.522	2.519	(0.340)	190464	20.0000	19.6
10 Acrolein	56	3.014	3.011	(0.406)	54249	40.0000	41.0
11 1,1,2 Trichlorotrifluoromethan	101	3.051	3.042	(0.411)	132823	20.0000	18.5
12 Acetone	43	3.102	3.101	(0.418)	109996	40.0000	37.9
13 1,1-Dichloroethene	61	3.259	3.250	(0.439)	245981	20.0000	19.6
109 t-Butyl-Alcohol	59	3.391	3.395	(0.456)	164732	200.000	199(Q)
14 Acetonitrile	41	3.458	3.456	(0.465)	256004	200.000	194
15 Iodomethane	142	3.676	3.674	(0.495)	181387	20.0000	18.6
16 Methyl Acetate	43	3.750	3.747	(0.505)	137911	20.0000	19.0
17 Allyl Chloride	41	3.769	3.764	(0.507)	223265	20.0000	19.2(Q)
18 Carbon Disulfide	76	3.919	3.915	(0.527)	444905	20.0000	19.4
19 Methylene Chloride	49	3.947	3.943	(0.531)	240703	20.0000	19.4
20 Acrylonitrile	53	4.176	4.172	(0.562)	136493	40.0000	37.3
21 Methyl-tert-butyl ether	73	4.221	4.221	(0.568)	399531	20.0000	18.4
22 trans 1,2-Dichloroethene	61	4.408	4.404	(0.593)	219801	20.0000	20.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	5.073	5.069	(0.683)	276237	20.0000	20.4
	24 Vinyl Acetate	43	5.130	5.126	(0.690)	302434	20.0000	19.8
	25 Chloroprene	53	5.205	5.202	(0.700)	256148	20.0000	19.3
	26 2-Butanone	43	5.733	5.730	(0.772)	144645	40.0000	37.1
	27 Propionitrile	54	5.830	5.829	(0.785)	255973	200.000	194
	28 2,2-Dichloropropane	77	5.878	5.876	(0.791)	117030	20.0000	19.9
	29 cis-1,2-Dichloroethene	96	5.938	5.940	(0.799)	152906	20.0000	20.1
	30 Methyacrylonitrile	67	6.088	6.091	(0.819)	648321	200.000	200
	31 Isobutyl Alcohol	43	6.160	6.158	(0.829)	97151	400.000	327(Q)
	32 Chloroform	83	6.152	6.153	(0.828)	262483	20.0000	19.7
	33 Bromochloromethane	49	6.356	6.355	(0.855)	149722	20.0000	20.0
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.435	6.433	(0.866)	126039	20.0000	19.0
	35 1,1,1-Trichloroethane	97	6.656	6.655	(0.896)	205352	20.0000	19.7
	36 Cyclohexane	56	6.658	6.655	(0.896)	277065	20.0000	19.7
	37 1,1-Dichloropropene	75	6.851	6.851	(0.922)	190884	20.0000	20.0
	38 Carbon tetrachloride	117	6.958	6.957	(0.936)	153865	20.0000	19.1
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.055	7.054	(0.949)	30284	20.0000	19.7
	40 1,2-Dichloroethane	62	7.164	7.164	(0.964)	240886	20.0000	20.0
	41 Benzene	78	7.166	7.166	(0.964)	563117	20.0000	19.9
*	42 FLUOROBENZENE (IS)	96	7.431	7.430	(1.000)	1261825	50.0000	
	43 Trichloroethylene	130	7.879	7.878	(1.060)	141896	20.0000	20.2
	44 Methyl Cyclohexane	55	7.936	7.935	(1.068)	202147	20.0000	20.0
	45 1,2-Dichloropropane	63	8.080	8.079	(1.087)	166108	20.0000	20.1
	46 Methyl Methacrylate	69	8.177	8.176	(1.100)	99792	20.0000	19.8
	47 Bromodichloromethane	83	8.333	8.332	(1.121)	204816	20.0000	19.4
	48 1,4 Dioxane	88	8.378	8.374	(1.127)	31827	400.000	409(q)
	49 Dibromomethane	93	8.383	8.383	(1.128)	100861	20.0000	20.4
	50 4-Methyl-2-Pentanone	43	8.723	8.723	(0.664)	336878	40.0000	39.4(M)
	51 2-Hexanone	43	9.632	9.630	(0.898)	218847	40.0000	38.4
	52 cis 1,3-Dichloropropene	75	8.927	8.926	(1.201)	252486	20.0000	19.4
$	53 TOLUENE d8 (surr)	98	9.172	9.172	(1.234)	502314	20.0000	19.5
	54 Toluene	92	9.254	9.254	(1.245)	372590	20.0000	20.4
	55 trans 1,3-Dichloropropene	75	9.455	9.454	(1.272)	221745	20.0000	19.1
	56 Ethyl Methacrylate	69	9.457	9.456	(1.273)	177330	20.0000	19.3
	57 1,1,2-Trichloroethane	97	9.612	9.612	(1.294)	141176	20.0000	20.3
	58 1,3-Dichloropropane	76	9.872	9.872	(0.920)	242000	20.0000	20.2
	59 Tetrachloroethylene	164	9.927	9.926	(0.926)	113275	20.0000	20.4
	60 Dibromochloromethane	129	10.134	10.134	(0.945)	142260	20.0000	18.8
	61 1,2-Dibromoethane	107	10.338	10.338	(0.964)	138978	20.0000	19.5
	62 1-Chlorohexane	91	10.511	10.510	(0.980)	177053	20.0000	19.8
*	63 CHLOROBENZENE d5 (IS)	117	10.725	10.725	(1.000)	919319	50.0000	
	64 Chlorobenzene	112	10.764	10.764	(1.004)	422502	20.0000	20.3
	65 1,1,1,2-Tetrachloroethane	131	10.810	10.810	(1.008)	127103	20.0000	19.4
	66 Ethylbenzene	106	10.819	10.819	(1.009)	215595	20.0000	20.2
	67 p,m-Xylene	106	10.896	10.896	(1.016)	558271	40.0000	40.6
	68 o-Xylene	91	11.336	11.336	(1.057)	629159	20.0000	19.9
	69 Styrene	104	11.373	11.373	(1.060)	452382	20.0000	19.6
	70 Bromoform	173	11.713	11.714	(1.092)	90968	20.0000	18.0
	71 1-Methylethylbenzene	105	11.699	11.699	(0.890)	699230	20.0000	20.8
	72 1,4-Dichloro-2-Butene	53	11.374	11.372	(0.865)	5316	40.0000	40.5
	73 1,1,2,2-Tetrachloroethane	83	11.875	11.874	(0.903)	185812	20.0000	20.6
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.952	11.952	(0.909)	206903	20.0000	19.7
	75 1,2,3- trichloropropane	110	12.022	12.021	(0.915)	57051	20.0000	20.2
	76 n-Propylbenzene	91	12.102	12.103	(0.921)	862879	20.0000	20.2

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	12.145	12.146	(0.924)	320066	20.0000	20.2
78 1,3,5-Trimethylbenzene	105	12.262	12.261	(0.933)	628380	20.0000	20.0
79 2-Chlorotoluene	91	12.281	12.282	(0.934)	625556	20.0000	19.9
80 4-Chlorotoluene	91	12.329	12.329	(0.938)	584774	20.0000	20.1
81 tert-Butylbenzene	119	12.621	12.621	(0.960)	573106	20.0000	20.3
82 1,2,4-trimethylbenzene	105	12.657	12.657	(0.963)	621786	20.0000	19.8
83 sec-Butylbenzene	105	12.833	12.834	(0.976)	726476	20.0000	20.4
84 p-Isopropyltoluene	119	12.971	12.972	(0.987)	609609	20.0000	20.1
85 1,3-Dichlorobenzene	146	13.068	13.069	(0.994)	329281	20.0000	20.3
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.143	13.144	(1.000)	494726	50.0000	
87 1,4-Dichlorobenzene	146	13.176	13.176	(1.002)	326049	20.0000	20.0
88 Benzyl Chloride	91	13.293	13.294	(1.011)	162538	20.0000	16.2
89 n-Butylbenzene	91	13.382	13.383	(1.018)	521239	20.0000	19.8
90 1,2-Dichlorobenzene	146	13.548	13.548	(1.031)	314586	20.0000	19.6
91 1,2-dibromo-3-chloropropane	75	14.298	14.300	(1.088)	30352	20.0000	19.2
92 1,2,4-Trichlorobenzene	180	14.969	14.980	(1.139)	155443	20.0000	18.8
93 Hexachlorobutadiene	223	15.065	15.078	(1.146)	45675	20.0000	20.7
94 Naphthalene	128	15.151	15.164	(1.153)	332467	20.0000	16.9
95 1,2,3-trichlorobenzene	180	15.315	15.331	(1.165)	136919	20.0000	19.5
103 Isopropyl Ether	45	4.961	4.960	(0.668)	531243	20.0000	19.0
104 Ethyl acetate	43	5.989	5.987	(0.806)	297770	40.0000	38.8
105 Cyclohexanone	55	11.760	11.759	(1.096)	163310	200.000	156
106 Ethyl ether	59	2.855	2.853	(0.384)	135478	20.0000	19.4
107 2-Nitropropane	43	8.427	8.427	(1.134)	65245	40.0000	35.7
108 Tetrahydrofuran	42	6.421	6.418	(0.864)	98822	40.0000	44.5
112 2-Cleve	63	8.692	8.691	(1.170)	144258	40.0000	36.3(q)

QC Flag Legend

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

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 20PPB.D
Lab Smp Id: 20PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3061507C.b\8260A.m
Misc Info:

Calibration Date: 15-JUN-2007
Calibration Time: 08:10
Client Smp ID: 20PPBCAL
Level: LOW
Sample Type: WATER

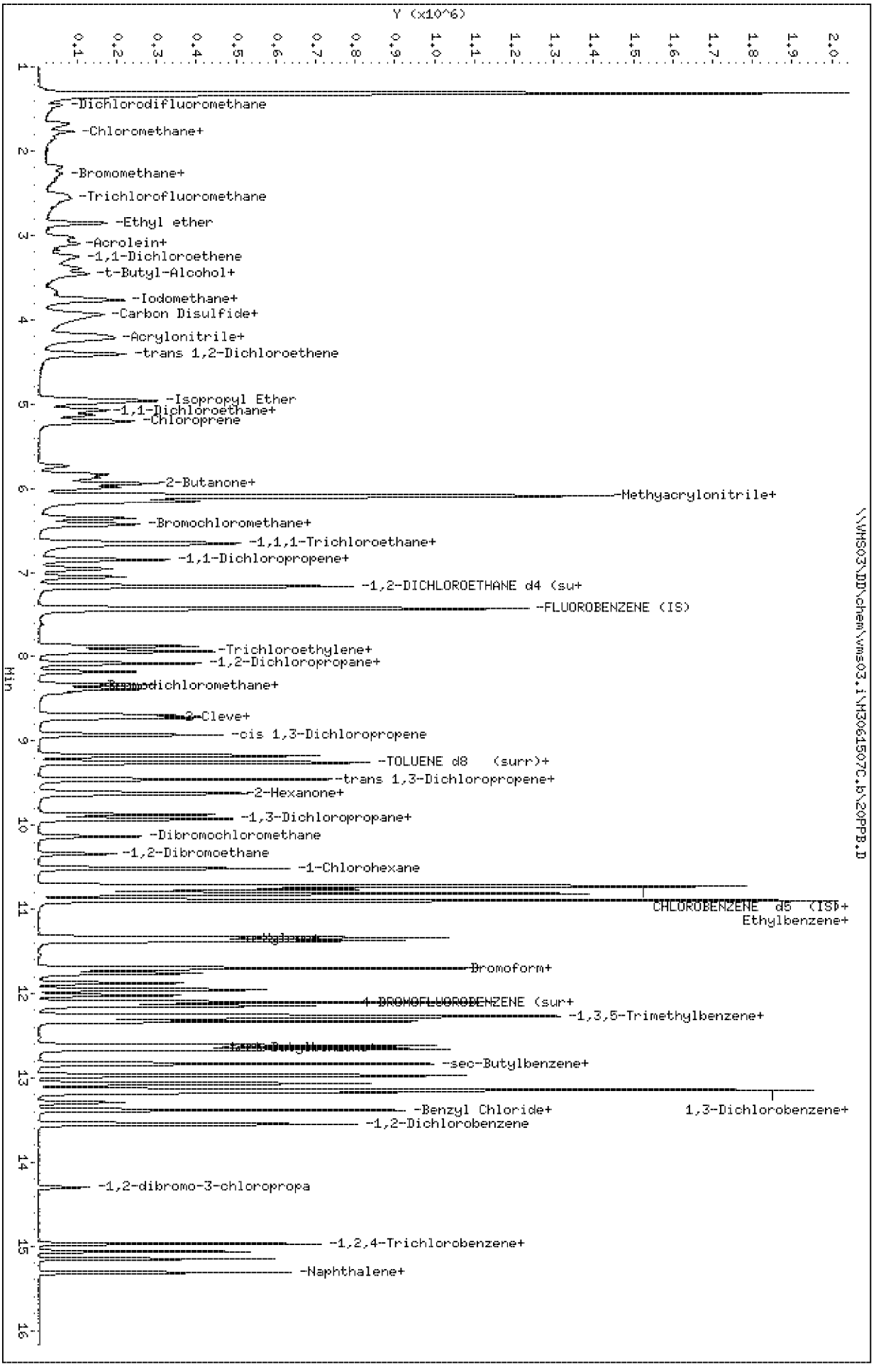
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1242529	621265	2485058	1261825	1.55
63 CHLOROBENZENE d5	904640	452320	1809280	919319	1.62
86 1,4-DICHLOROBENZE	495635	247818	991270	494726	-0.18

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.01
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	0.00
86 1,4-DICHLOROBENZE	13.14	12.64	13.64	13.14	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\WHS03\DD\chem\vms03.i\M3061507C.b\20PPB.D
Date : 15-JUN-2007 07:47
Client ID: 20PPBCAL
Sample Info: 20PPBCAL
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



Page 5

PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3061507C.b\50PPB.D
Lab Smp Id: 50PPBCAL Client Smp ID: 50PPBCAL
Inj Date : 15-JUN-2007 08:10
Operator : Inst ID: vms03.i
Smp Info : 50PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3061507C.b\8260A.m
Meth Date : 18-Jun-2007 12:52 lpelo Quant Type: ISTD
Cal Date : 22-MAY-2007 09:03 Cal File: 80PPB.D
Als bottle: 9 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	
M 1 1,2-Dichloroethene (Total)	100				908802	100.000		(a)
M 2 Xylenes (Total)	100				2906881	150.000		(a)
M 3 Trihalomethanes (Total)	100				1795643	50.0000		(a)
4 Dichlorodifluoromethane	85	1.453	1.453	(0.196)	281508	50.0000		(aQ)
5 Chloromethane	50	1.666	1.660	(0.224)	431397	50.0000		(aQ)
6 Vinyl Chloride	62	1.759	1.755	(0.237)	251405	50.0000		(aQ)
7 Bromomethane	96	2.186	2.181	(0.294)	202193	50.0000		(aQ)
8 Chloroethane	64	2.272	2.269	(0.306)	234972	50.0000		(aQ)
9 Trichlorofluoromethane	101	2.521	2.519	(0.339)	477824	50.0000		(aQ)
10 Acrolein	56	3.014	3.011	(0.406)	130135	100.000		(Q)
11 1,1,2 Trichlorotrifluoromethan	101	3.047	3.042	(0.410)	353782	50.0000		(aQ)
12 Acetone	43	3.099	3.101	(0.417)	286054	100.000		(aQ)
13 1,1-Dichloroethene	61	3.257	3.250	(0.438)	619314	50.0000		(aQ)
109 t-Butyl-Alcohol	59	3.390	3.395	(0.456)	407736	500.000		(Q)
14 Acetonitrile	41	3.457	3.456	(0.465)	651319	500.000		(aQ)
15 Iodomethane	142	3.678	3.674	(0.495)	479407	50.0000		(aQ)
16 Methyl Acetate	43	3.746	3.747	(0.504)	357237	50.0000		(aQ)
17 Allyl Chloride	41	3.767	3.764	(0.507)	573580	50.0000		(aQ)
18 Carbon Disulfide	76	3.918	3.915	(0.527)	1126481	50.0000		(aQ)
19 Methylene Chloride	49	3.946	3.943	(0.531)	612454	50.0000		(aQ)
20 Acrylonitrile	53	4.173	4.172	(0.562)	360422	100.000		(aQ)
21 Methyl-tert-butyl ether	73	4.219	4.221	(0.568)	1070074	50.0000		(aQ)
22 trans 1,2-Dichloroethene	61	4.406	4.404	(0.593)	535021	50.0000		(aQ)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	
23 1,1-Dichloroethane	63	5.073	5.069	(0.683)	666401	50.0000		(aQ)
24 Vinyl Acetate	43	5.127	5.126	(0.690)	753630	50.0000		(aQ)
25 Chloroprene	53	5.203	5.202	(0.700)	652579	50.0000		(aQ)
26 2-Butanone	43	5.730	5.730	(0.771)	383457	100.000		(aQ)
27 Propionitrile	54	5.829	5.829	(0.784)	649382	500.000		(aQ)
28 2,2-Dichloropropane	77	5.879	5.876	(0.791)	289215	50.0000		(aQ)
29 cis-1,2-Dichloroethene	96	5.941	5.940	(0.800)	373781	50.0000		(aQ)
30 Methyacrylonitrile	67	6.089	6.091	(0.820)	1593338	500.000		(aQ)
31 Isobutyl Alcohol	43	6.157	6.158	(0.829)	292289	1000.00		(TaQ)
32 Chloroform	83	6.153	6.153	(0.828)	654623	50.0000		(aQ)
33 Bromochloromethane	49	6.356	6.355	(0.855)	369488	50.0000		(Q)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.434	6.433	(0.866)	326148	50.0000		(aQ)
35 1,1,1-Trichloroethane	97	6.655	6.655	(0.896)	512650	50.0000		(aQ)
36 Cyclohexane	56	6.656	6.655	(0.896)	692451	50.0000		(aQ)
37 1,1-Dichloropropene	75	6.851	6.851	(0.922)	468903	50.0000		(aQ)
38 Carbon tetrachloride	117	6.958	6.957	(0.936)	397157	50.0000		(aQ)
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	7.054	7.054	(0.949)	75754	50.0000		(aQ)
40 1,2-Dichloroethane	62	7.164	7.164	(0.964)	592822	50.0000		(aQ)
41 Benzene	78	7.165	7.166	(0.964)	1390608	50.0000		(aQ)
* 42 FLUOROBENZENE (IS)	96	7.430	7.430	(1.000)	1242529	50.0000		(Q)
43 Trichloroethylene	130	7.879	7.878	(1.060)	345504	50.0000		(aQ)
44 Methyl Cyclohexane	55	7.935	7.935	(1.068)	498025	50.0000		(aQ)
45 1,2-Dichloropropane	63	8.079	8.079	(1.087)	407545	50.0000		(aQ)
46 Methyl Methacrylate	69	8.176	8.176	(1.100)	248303	50.0000		(aQ)
47 Bromodichloromethane	83	8.332	8.332	(1.121)	519357	50.0000		(aQ)
48 1,4 Dioxane	88	8.375	8.374	(1.127)	76686	1000.00		(TaQ)
49 Dibromomethane	93	8.384	8.383	(1.128)	243498	50.0000		(aQ)
50 4-Methyl-2-Pentanone	43	8.720	8.723	(0.663)	857171	100.000		(aQM)
51 2-Hexanone	43	9.630	9.630	(0.898)	560488	100.000		(aQ)
52 cis 1,3-Dichloropropene	75	8.926	8.926	(1.201)	642382	50.0000		(aQ)
$ 53 TOLUENE d8 (surr)	98	9.172	9.172	(1.234)	1268059	50.0000		(aQ)
54 Toluene	92	9.254	9.254	(1.245)	899736	50.0000		(aQ)
55 trans 1,3-Dichloropropene	75	9.455	9.454	(1.272)	570814	50.0000		(aQ)
56 Ethyl Methacrylate	69	9.456	9.456	(1.273)	452082	50.0000		(aQ)
57 1,1,2-Trichloroethane	97	9.612	9.612	(1.294)	342104	50.0000		(aQ)
58 1,3-Dichloropropane	76	9.872	9.872	(0.920)	588963	50.0000		(aQ)
59 Tetrachloroethylene	164	9.926	9.926	(0.925)	273157	50.0000		(aQ)
60 Dibromochloromethane	129	10.133	10.134	(0.945)	373037	50.0000		(aQ)
61 1,2-Dibromoethane	107	10.338	10.338	(0.964)	351212	50.0000		(aQ)
62 1-Chlorohexane	91	10.510	10.510	(0.980)	440457	50.0000		(aQ)
* 63 CHLOROBENZENE d5 (IS)	117	10.725	10.725	(1.000)	904640	50.0000		(Q)
64 Chlorobenzene	112	10.764	10.764	(1.004)	1022509	50.0000		(aQ)
65 1,1,1,2-Tetrachloroethane	131	10.809	10.810	(1.008)	321608	50.0000		(aQ)
66 Ethylbenzene	106	10.819	10.819	(1.009)	524875	50.0000		(aQ)
67 p,m-Xylene	106	10.896	10.896	(1.016)	1352276	100.000		(aQ)
68 o-Xylene	91	11.334	11.336	(1.057)	1554605	50.0000		(aQ)
69 Styrene	104	11.373	11.373	(1.060)	1135557	50.0000		(aQ)
70 Bromoform	173	11.714	11.714	(1.092)	248626	50.0000		(aQ)
71 1-Methylethylbenzene	105	11.698	11.699	(0.890)	1685556	50.0000		(aQ)
72 1,4-Dichloro-2-Butene	53	11.367	11.372	(0.865)	13151	100.000		(aQ)
73 1,1,2,2-Tetrachloroethane	83	11.874	11.874	(0.903)	450646	50.0000		(aQ)
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.952	11.952	(0.909)	526439	50.0000		(aQ)
75 1,2,3- trichloropropane	110	12.022	12.021	(0.915)	141755	50.0000		(aQ)
76 n-Propylbenzene	91	12.102	12.103	(0.921)	2144065	50.0000		(aQ)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	
77 Bromobenzene	77	12.145	12.146	(0.924)	794269	50.0000		(aQ)
78 1,3,5-Trimethylbenzene	105	12.261	12.261	(0.933)	1575037	50.0000		(aQ)
79 2-Chlorotoluene	91	12.281	12.282	(0.934)	1572239	50.0000		(aQ)
80 4-Chlorotoluene	91	12.328	12.329	(0.938)	1455125	50.0000		(aQ)
81 tert-Butylbenzene	119	12.621	12.621	(0.960)	1416484	50.0000		(aQ)
82 1,2,4-trimethylbenzene	105	12.657	12.657	(0.963)	1568310	50.0000		(aQ)
83 sec-Butylbenzene	105	12.833	12.834	(0.976)	1784860	50.0000		(aQ)
84 p-Isopropyltoluene	119	12.971	12.972	(0.987)	1517847	50.0000		(aQ)
85 1,3-Dichlorobenzene	146	13.068	13.069	(0.994)	812696	50.0000		(aQ)
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.143	13.144	(1.000)	495635	50.0000		(Q)
87 1,4-Dichlorobenzene	146	13.175	13.176	(1.002)	816971	50.0000		(aQ)
88 Benzyl Chloride	91	13.293	13.294	(1.011)	503663	50.0000		(aQ)
89 n-Butylbenzene	91	13.382	13.383	(1.018)	1318839	50.0000		(aQ)
90 1,2-Dichlorobenzene	146	13.547	13.548	(1.031)	802516	50.0000		(aQ)
91 1,2-dibromo-3-chloropropane	75	14.299	14.300	(1.088)	79223	50.0000		(aQ)
92 1,2,4-Trichlorobenzene	180	14.980	14.980	(1.140)	412936	50.0000		(aQ)
93 Hexachlorobutadiene	223	15.078	15.078	(1.147)	110672	50.0000		(aQ)
94 Naphthalene	128	15.165	15.164	(1.154)	985177	50.0000		(aQ)
95 1,2,3-trichlorobenzene	180	15.333	15.331	(1.167)	350885	50.0000		(aQ)
103 Isopropyl Ether	45	4.961	4.960	(0.668)	1372968	50.0000		(Q)
104 Ethyl acetate	43	5.986	5.987	(0.806)	756345	100.000		(Q)
105 Cyclohexanone	55	11.759	11.759	(1.096)	516423	500.000		(aQ)
106 Ethyl ether	59	2.853	2.853	(0.384)	343616	50.0000		(aQ)
107 2-Nitropropane	43	8.427	8.427	(1.134)	180136	100.000		(aQ)
108 Tetrahydrofuran	42	6.418	6.418	(0.864)	218494	100.000		(aQ)
112 2-Cleve	63	8.691	8.691	(1.170)	391067	100.000		(TaQ)

QC Flag Legend

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

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 50PPB.D
Lab Smp Id: 50PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3061507C.b\8260A.m
Misc Info:

Calibration Date: 15-JUN-2007
Calibration Time: 08:10
Client Smp ID: 50PPBCAL
Level: LOW
Sample Type: WATER

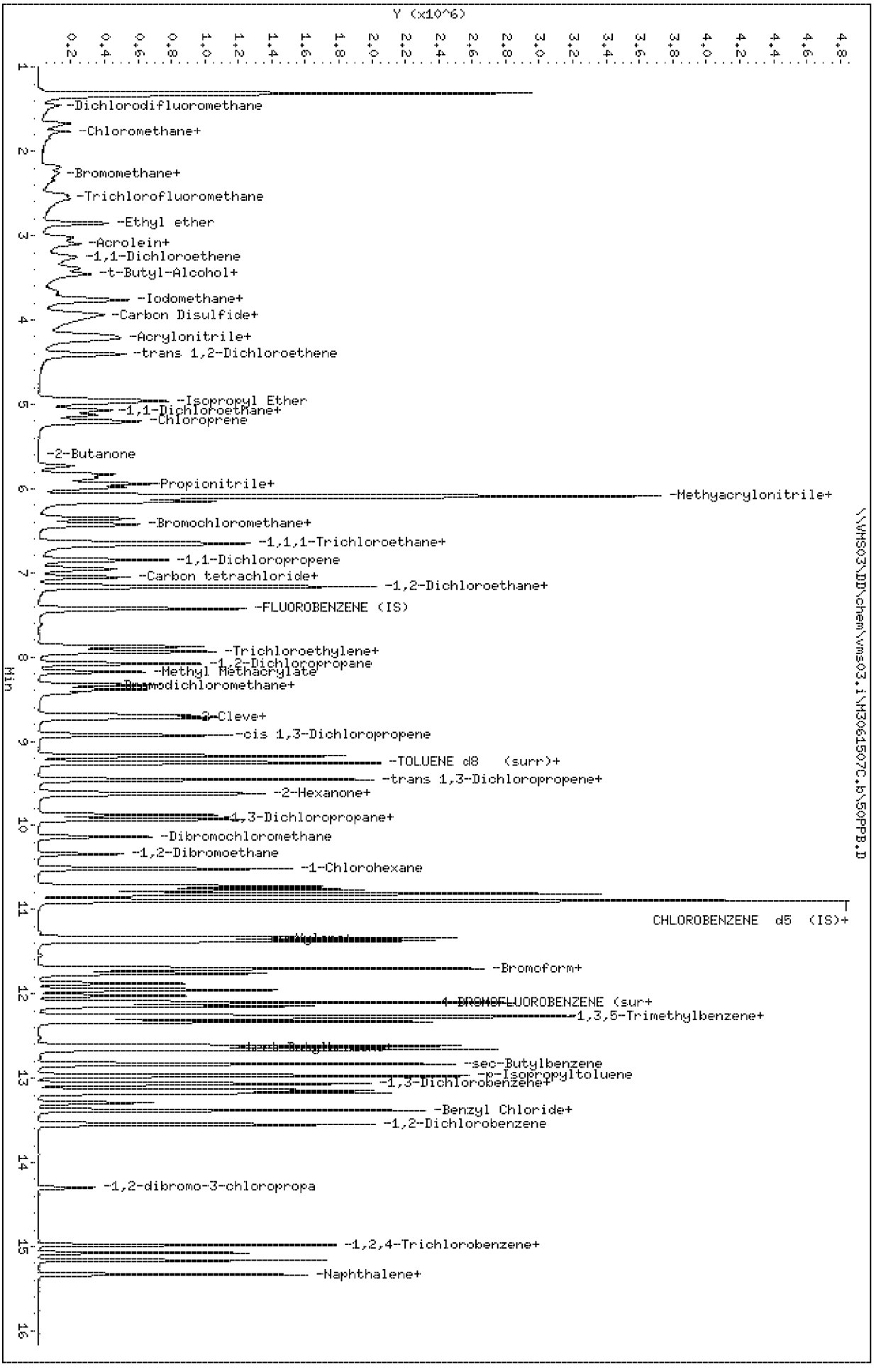
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1242529	621265	2485058	1242529	0.00
63 CHLOROBENZENE d5	904640	452320	1809280	904640	0.00
86 1,4-DICHLOROBENZE	495635	247818	991270	495635	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.00
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	0.00
86 1,4-DICHLOROBENZE	13.14	12.64	13.64	13.14	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3061507C.b\50PPB.D
Date : 15-JUN-2007 08:10
Client ID: 50PPBCAL
Sample Info: 50PPBCAL
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



\\VMS03\DD\chem\vms03.i\M3061507C.b\50PPB.D

PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3061507C.b\60PPB.D
Lab Smp Id: 60PPBCAL Client Smp ID: 60PPBCAL
Inj Date : 15-JUN-2007 08:33
Operator : Inst ID: vms03.i
Smp Info : 60PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3061507C.b\8260A.m
Meth Date : 18-Jun-2007 12:52 lpelo Quant Type: ISTD
Cal Date : 15-JUN-2007 06:13 Cal File: 1PPB.D
Als bottle: 10 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				1147854	120.000	(a)
M 2 Xylenes (Total)	100				3609214	180.000	(a)
M 3 Trihalomethanes (Total)	100				2185511	60.0000	(a)
4 Dichlorodifluoromethane	85	1.453	1.453	(0.196)	338990	60.0000	60.3
5 Chloromethane	50	1.667	1.660	(0.224)	496602	60.0000	49.4
6 Vinyl Chloride	62	1.758	1.755	(0.237)	289832	60.0000	44.0(T)
7 Bromomethane	96	2.183	2.181	(0.294)	252789	60.0000	59.2(Q)
8 Chloroethane	64	2.274	2.269	(0.306)	290359	60.0000	53.1
9 Trichlorofluoromethane	101	2.520	2.519	(0.339)	578156	60.0000	58.5
10 Acrolein	56	3.013	3.011	(0.406)	170130	120.000	126
11 1,1,2 Trichlorotrifluoromethan	101	3.044	3.042	(0.410)	421495	60.0000	65.5
12 Acetone	43	3.100	3.101	(0.417)	327876	120.000	98.6
13 1,1-Dichloroethene	61	3.254	3.250	(0.438)	766313	60.0000	63.9
109 t-Butyl-Alcohol	59	3.394	3.395	(0.457)	479986	600.000	663(Q)
14 Acetonitrile	41	3.455	3.456	(0.465)	769751	600.000	569
15 Iodomethane	142	3.677	3.674	(0.495)	603286	60.0000	68.6
16 Methyl Acetate	43	3.745	3.747	(0.504)	398013	60.0000	58.5
17 Allyl Chloride	41	3.767	3.764	(0.507)	710387	60.0000	62.5(Q)
18 Carbon Disulfide	76	3.919	3.915	(0.527)	1397017	60.0000	62.7
19 Methylene Chloride	49	3.943	3.943	(0.531)	727411	60.0000	58.4
20 Acrylonitrile	53	4.171	4.172	(0.561)	422660	120.000	130
21 Methyl-tert-butyl ether	73	4.219	4.221	(0.568)	1228623	60.0000	63.8
22 trans 1,2-Dichloroethene	61	4.405	4.404	(0.593)	682194	60.0000	62.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	5.070	5.069	(0.682)	862106	60.0000	63.5
	24 Vinyl Acetate	43	5.128	5.126	(0.690)	924568	60.0000	68.1
	25 Chloroprene	53	5.202	5.202	(0.700)	818532	60.0000	66.1
	26 2-Butanone	43	5.731	5.730	(0.771)	452956	120.000	123
	27 Propionitrile	54	5.828	5.829	(0.784)	755396	600.000	610
	28 2,2-Dichloropropane	77	5.878	5.876	(0.791)	367174	60.0000	62.3
	29 cis-1,2-Dichloroethene	96	5.942	5.940	(0.800)	465660	60.0000	63.7
	30 Methyacrylonitrile	67	6.090	6.091	(0.820)	1880399	600.000	611
	31 Isobutyl Alcohol	43	6.156	6.158	(0.828)	328465	1200.00	989(TQ)
	32 Chloroform	83	6.153	6.153	(0.828)	807809	60.0000	60.2
	33 Bromochloromethane	49	6.355	6.355	(0.855)	442198	60.0000	58.4
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.434	6.433	(0.866)	401417	60.0000	60.2
	35 1,1,1-Trichloroethane	97	6.655	6.655	(0.896)	651306	60.0000	64.4
	36 Cyclohexane	56	6.656	6.655	(0.896)	853333	60.0000	65.1
	37 1,1-Dichloropropene	75	6.850	6.851	(0.922)	593850	60.0000	63.4
	38 Carbon tetrachloride	117	6.957	6.957	(0.936)	506530	60.0000	68.1
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.054	7.054	(0.949)	89152	60.0000	59.2(Q)
	40 1,2-Dichloroethane	62	7.164	7.164	(0.964)	713974	60.0000	60.8
	41 Benzene	78	7.166	7.166	(0.964)	1710410	60.0000	60.8
*	42 FLUOROBENZENE (IS)	96	7.430	7.430	(1.000)	1239446	50.0000	
	43 Trichloroethylene	130	7.878	7.878	(1.060)	438562	60.0000	61.9
	44 Methyl Cyclohexane	55	7.934	7.935	(1.068)	631984	60.0000	65.2
	45 1,2-Dichloropropane	63	8.079	8.079	(1.087)	501272	60.0000	62.6
	46 Methyl Methacrylate	69	8.176	8.176	(1.100)	287199	60.0000	63.9
	47 Bromodichloromethane	83	8.332	8.332	(1.121)	635877	60.0000	64.8
	48 1,4 Dioxane	88	8.375	8.374	(1.127)	89224	1200.00	1260(Q)
	49 Dibromomethane	93	8.383	8.383	(1.128)	290924	60.0000	60.4
	50 4-Methyl-2-Pentanone	43	8.720	8.723	(0.663)	1062083	120.000	126(QM)
	51 2-Hexanone	43	9.631	9.630	(0.898)	678017	120.000	132
	52 cis 1,3-Dichloropropene	75	8.927	8.926	(1.201)	785975	60.0000	66.6
$	53 TOLUENE d8 (surr)	98	9.172	9.172	(1.234)	1593991	60.0000	61.0
	54 Toluene	92	9.255	9.254	(1.245)	1126432	60.0000	62.5
	55 trans 1,3-Dichloropropene	75	9.455	9.454	(1.272)	702437	60.0000	71.1
	56 Ethyl Methacrylate	69	9.456	9.456	(1.273)	554185	60.0000	69.2
	57 1,1,2-Trichloroethane	97	9.612	9.612	(1.294)	400079	60.0000	58.8
	58 1,3-Dichloropropane	76	9.872	9.872	(0.920)	709394	60.0000	61.3
	59 Tetrachloroethylene	164	9.926	9.926	(0.925)	342536	60.0000	60.8
	60 Dibromochloromethane	129	10.134	10.134	(0.945)	446529	60.0000	68.7
	61 1,2-Dibromoethane	107	10.338	10.338	(0.964)	419063	60.0000	64.2
	62 1-Chlorohexane	91	10.510	10.510	(0.980)	562891	60.0000	67.2
*	63 CHLOROBENZENE d5 (IS)	117	10.725	10.725	(1.000)	897173	50.0000	
	64 Chlorobenzene	112	10.765	10.764	(1.004)	1245355	60.0000	60.3
	65 1,1,1,2-Tetrachloroethane	131	10.809	10.810	(1.008)	392872	60.0000	65.0(Q)
	66 Ethylbenzene	106	10.819	10.819	(1.009)	643139	60.0000	62.2(Q)
	67 p,m-Xylene	106	10.896	10.896	(1.016)	1682470	120.000	124
	68 o-Xylene	91	11.338	11.336	(1.057)	1926744	60.0000	63.1
	69 Styrene	104	11.373	11.373	(1.060)	1399874	60.0000	66.8
	70 Bromoform	173	11.714	11.714	(1.092)	295296	60.0000	69.0
	71 1-Methylethylbenzene	105	11.699	11.699	(0.890)	2144168	60.0000	62.1
	72 1,4-Dichloro-2-Butene	53	11.372	11.372	(0.865)	15342	120.000	121(Q)
	73 1,1,2,2-Tetrachloroethane	83	11.874	11.874	(0.903)	531471	60.0000	57.5
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.952	11.952	(0.909)	647074	60.0000	57.8
	75 1,2,3- trichloropropane	110	12.022	12.021	(0.915)	169135	60.0000	58.1
	76 n-Propylbenzene	91	12.103	12.103	(0.921)	2713233	60.0000	62.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	12.146	12.146	(0.924)	950967	60.0000	57.8
78 1,3,5-Trimethylbenzene	105	12.262	12.261	(0.933)	1931664	60.0000	62.2
79 2-Chlorotoluene	91	12.282	12.282	(0.934)	1848275	60.0000	59.1
80 4-Chlorotoluene	91	12.329	12.329	(0.938)	1768764	60.0000	59.4
81 tert-Butylbenzene	119	12.621	12.621	(0.960)	1756607	60.0000	61.7
82 1,2,4-trimethylbenzene	105	12.657	12.657	(0.963)	1926895	60.0000	61.8
83 sec-Butylbenzene	105	12.833	12.834	(0.976)	2212198	60.0000	61.6
84 p-Isopropyltoluene	119	12.971	12.972	(0.987)	1911883	60.0000	63.8
85 1,3-Dichlorobenzene	146	13.068	13.069	(0.994)	993330	60.0000	59.9
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.144	13.144	(1.000)	504849	50.0000	
87 1,4-Dichlorobenzene	146	13.175	13.176	(1.002)	996871	60.0000	60.8
88 Benzyl Chloride	91	13.293	13.294	(1.011)	609696	60.0000	85.5
89 n-Butylbenzene	91	13.382	13.383	(1.018)	1650270	60.0000	65.7
90 1,2-Dichlorobenzene	146	13.548	13.548	(1.031)	964644	60.0000	61.6
91 1,2-dibromo-3-chloropropane	75	14.298	14.300	(1.088)	94944	60.0000	66.7
92 1,2,4-Trichlorobenzene	180	14.973	14.980	(1.139)	515572	60.0000	73.4
93 Hexachlorobutadiene	223	15.070	15.078	(1.147)	133518	60.0000	59.4
94 Naphthalene	128	15.156	15.164	(1.153)	1193325	60.0000	82.5(A)
95 1,2,3-trichlorobenzene	180	15.321	15.331	(1.166)	440410	60.0000	73.2
103 Isopropyl Ether	45	4.961	4.960	(0.668)	1672760	60.0000	63.4
104 Ethyl acetate	43	5.987	5.987	(0.806)	913599	120.000	123
105 Cyclohexanone	55	11.759	11.759	(1.096)	615252	600.000	742
106 Ethyl ether	59	2.853	2.853	(0.384)	417312	60.0000	65.4(Q)
107 2-Nitropropane	43	8.427	8.427	(1.134)	207125	120.000	132
108 Tetrahydrofuran	42	6.418	6.418	(0.864)	258452	120.000	92.1
112 2-Cleve	63	8.691	8.691	(1.170)	473070	120.000	142(T)

QC Flag Legend

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

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 60PPB.D
Lab Smp Id: 60PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3061507C.b\8260A.m
Misc Info:

Calibration Date: 15-JUN-2007
Calibration Time: 08:10
Client Smp ID: 60PPBCAL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1242529	621265	2485058	1239446	-0.25
63 CHLOROBENZENE d5	904640	452320	1809280	897173	-0.83
86 1,4-DICHLOROBENZE	495635	247818	991270	504849	1.86

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.00
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	0.00
86 1,4-DICHLOROBENZE	13.14	12.64	13.64	13.14	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3061507C.b\60PPB.D

Date : 15-JUN-2007 08:33

Client ID: 60PPBCAL

Instrument: vms03.i

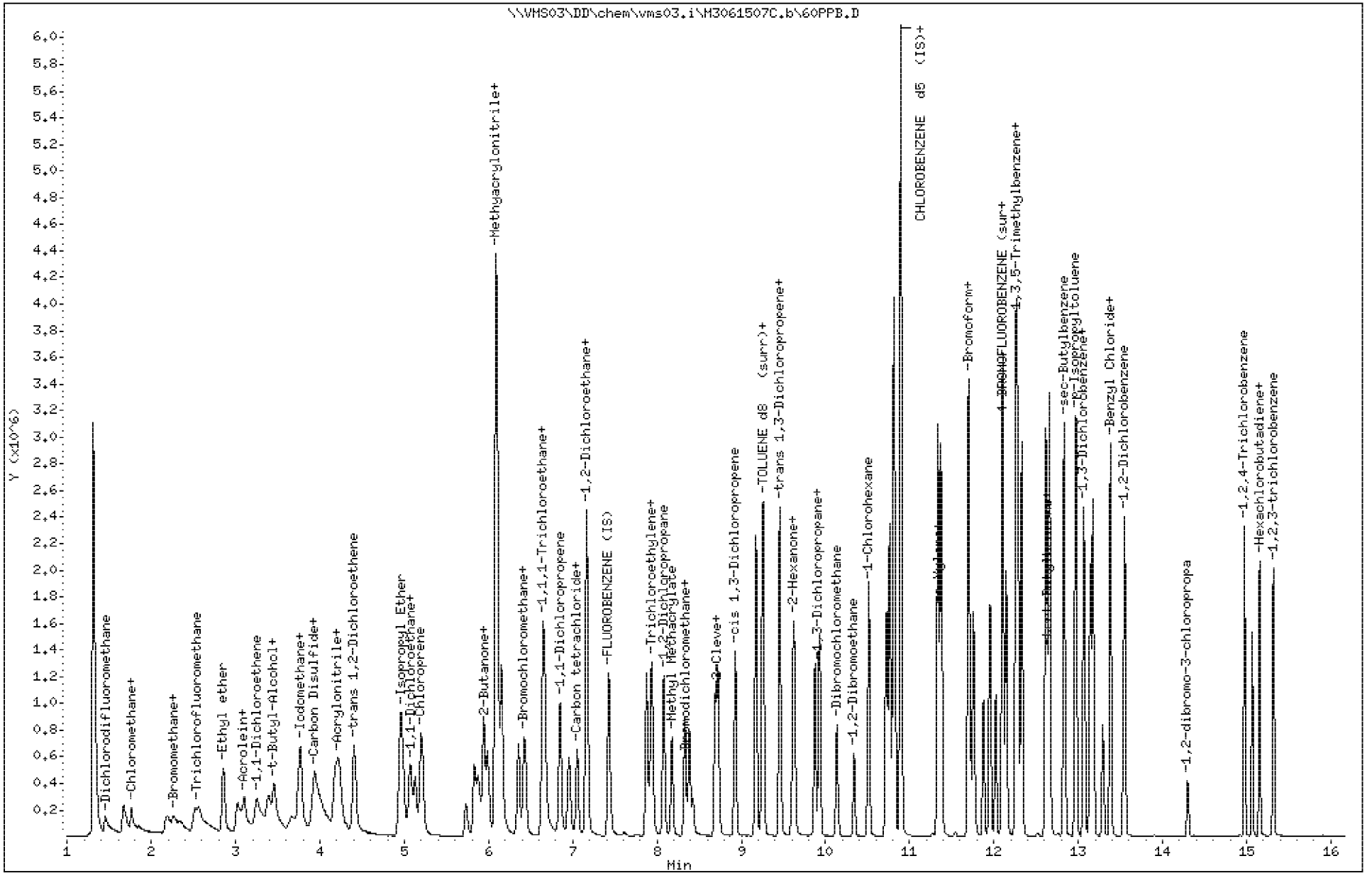
Sample Info: 60PPBCAL

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3061507C.b\80PPB.D
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Inj Date : 15-JUN-2007 08:57
Operator : Inst ID: vms03.i
Smp Info : 80PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3061507C.b\8260A.m
Meth Date : 18-Jun-2007 12:52 lpelo Quant Type: ISTD
Cal Date : 15-JUN-2007 08:33 Cal File: 60PPB.D
Als bottle: 11 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				1588323	160.000	(a)
M 2 Xylenes (Total)	100				4956401	240.000	(a)
M 3 Trihalomethanes (Total)	100				2999965	80.0000	(a)
4 Dichlorodifluoromethane	85	1.453	1.453	(0.196)	445733	80.0000	77.7
5 Chloromethane	50	1.660	1.660	(0.223)	668110	80.0000	66.9
6 Vinyl Chloride	62	1.755	1.755	(0.236)	373890	80.0000	57.8
7 Bromomethane	96	2.180	2.181	(0.294)	327313	80.0000	75.2
8 Chloroethane	64	2.269	2.269	(0.305)	383853	80.0000	70.0
9 Trichlorofluoromethane	101	2.518	2.519	(0.339)	857135	80.0000	85.2(A)
10 Acrolein	56	3.011	3.011	(0.405)	223579	160.000	161(A)
11 1,1,2 Trichlorotrifluoromethan	101	3.042	3.042	(0.409)	576599	80.0000	86.6(A)
12 Acetone	43	3.101	3.101	(0.417)	449826	160.000	136
13 1,1-Dichloroethene	61	3.250	3.250	(0.437)	1042325	80.0000	84.4(A)
109 t-Butyl-Alcohol	59	3.395	3.395	(0.457)	630236	800.000	841(A)
14 Acetonitrile	41	3.456	3.456	(0.465)	1047008	800.000	764
15 Iodomethane	142	3.674	3.674	(0.494)	866191	80.0000	94.6(A)
16 Methyl Acetate	43	3.747	3.747	(0.504)	552251	80.0000	79.8
17 Allyl Chloride	41	3.764	3.764	(0.507)	1025360	80.0000	87.8(A)
18 Carbon Disulfide	76	3.915	3.915	(0.527)	1872879	80.0000	81.8(A)
19 Methylene Chloride	49	3.943	3.943	(0.531)	987639	80.0000	78.0
20 Acrylonitrile	53	4.172	4.172	(0.561)	566444	160.000	168(A)
21 Methyl-tert-butyl ether	73	4.221	4.221	(0.568)	1773039	80.0000	89.4(A)
22 trans 1,2-Dichloroethene	61	4.403	4.404	(0.593)	955258	80.0000	85.3(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	5.069	5.069	(0.682)	1203342	80.0000	86.1(A)
	24 Vinyl Acetate	43	5.126	5.126	(0.690)	1260425	80.0000	89.2(A)
	25 Chloroprene	53	5.202	5.202	(0.700)	1144893	80.0000	89.3(A)
	26 2-Butanone	43	5.730	5.730	(0.771)	604648	160.000	160(A)
	27 Propionitrile	54	5.829	5.829	(0.785)	1012689	800.000	799
	28 2,2-Dichloropropane	77	5.876	5.876	(0.791)	536431	80.0000	88.8(A)
	29 cis-1,2-Dichloroethene	96	5.940	5.940	(0.799)	633065	80.0000	84.2(A)
	30 Methyacrylonitrile	67	6.091	6.091	(0.820)	2542492	800.000	808(A)
	31 Isobutyl Alcohol	43	6.157	6.158	(0.829)	442562	1600.00	1340(T)
	32 Chloroform	83	6.153	6.153	(0.828)	1107013	80.0000	80.8(A)
	33 Bromochloromethane	49	6.355	6.355	(0.855)	610586	80.0000	79.4
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.433	6.433	(0.866)	534522	80.0000	78.5
	35 1,1,1-Trichloroethane	97	6.655	6.655	(0.896)	908815	80.0000	87.1(A)
	36 Cyclohexane	56	6.655	6.655	(0.896)	1208831	80.0000	89.3(A)
	37 1,1-Dichloropropene	75	6.851	6.851	(0.922)	829220	80.0000	86.1(A)
	38 Carbon tetrachloride	117	6.957	6.957	(0.936)	709843	80.0000	91.7(A)
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.054	7.054	(0.949)	118762	80.0000	77.5
	40 1,2-Dichloroethane	62	7.164	7.164	(0.964)	973231	80.0000	81.1(A)
	41 Benzene	78	7.166	7.166	(0.964)	2366808	80.0000	82.3(A)
*	42 FLUOROBENZENE (IS)	96	7.430	7.430	(1.000)	1264897	50.0000	
	43 Trichloroethylene	130	7.878	7.878	(1.060)	595643	80.0000	82.0(A)
	44 Methyl Cyclohexane	55	7.935	7.935	(1.068)	877960	80.0000	87.7(A)
	45 1,2-Dichloropropane	63	8.079	8.079	(1.087)	677802	80.0000	82.5(A)
	46 Methyl Methacrylate	69	8.176	8.176	(1.100)	403245	80.0000	87.1(A)
	47 Bromodichloromethane	83	8.332	8.332	(1.121)	871224	80.0000	86.0(A)
	48 1,4 Dioxane	88	8.374	8.374	(1.127)	119622	1600.00	1640(T)
	49 Dibromomethane	93	8.383	8.383	(1.128)	395820	80.0000	80.5(A)
	50 4-Methyl-2-Pentanone	43	8.723	8.723	(0.664)	1389740	160.000	163(AM)
	51 2-Hexanone	43	9.630	9.630	(0.898)	887990	160.000	167(A)
	52 cis 1,3-Dichloropropene	75	8.926	8.926	(1.201)	1082041	80.0000	88.4(A)
$	53 TOLUENE d8 (surr)	98	9.172	9.172	(1.234)	2107698	80.0000	78.9
	54 Toluene	92	9.254	9.254	(1.245)	1528085	80.0000	82.6(A)
	55 trans 1,3-Dichloropropene	75	9.454	9.454	(1.272)	968353	80.0000	93.5(A)
	56 Ethyl Methacrylate	69	9.456	9.456	(1.273)	746221	80.0000	89.4
	57 1,1,2-Trichloroethane	97	9.612	9.612	(1.294)	549223	80.0000	79.3
	58 1,3-Dichloropropane	76	9.872	9.872	(0.920)	968536	80.0000	81.4(A)
	59 Tetrachloroethylene	164	9.926	9.926	(0.925)	465379	80.0000	80.4(A)
	60 Dibromochloromethane	129	10.134	10.134	(0.945)	615036	80.0000	90.4(A)
	61 1,2-Dibromoethane	107	10.338	10.338	(0.964)	562778	80.0000	83.4(A)
	62 1-Chlorohexane	91	10.510	10.510	(0.980)	768422	80.0000	88.0(A)
*	63 CHLOROBENZENE d5 (IS)	117	10.725	10.725	(1.000)	919228	50.0000	
	64 Chlorobenzene	112	10.764	10.764	(1.004)	1713272	80.0000	81.0(A)
	65 1,1,1,2-Tetrachloroethane	131	10.810	10.810	(1.008)	546290	80.0000	87.2(A)
	66 Ethylbenzene	106	10.819	10.819	(1.009)	882124	80.0000	82.8(A)
	67 p,m-Xylene	106	10.896	10.896	(1.016)	2306043	160.000	166(A)
	68 o-Xylene	91	11.336	11.336	(1.057)	2650358	80.0000	84.1(A)
	69 Styrene	104	11.373	11.373	(1.060)	1925582	80.0000	88.2(A)
	70 Bromoform	173	11.713	11.714	(1.092)	406692	80.0000	90.8(A)
	71 1-Methylethylbenzene	105	11.699	11.699	(0.890)	2894633	80.0000	82.8(A)
	72 1,4-Dichloro-2-Butene	53	11.371	11.372	(0.865)	22291	160.000	174(AQ)
	73 1,1,2,2-Tetrachloroethane	83	11.874	11.874	(0.903)	710933	80.0000	76.8
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.952	11.952	(0.909)	868185	80.0000	77.5
	75 1,2,3- trichloropropane	110	12.022	12.021	(0.915)	226212	80.0000	77.5
	76 n-Propylbenzene	91	12.103	12.103	(0.921)	3682485	80.0000	84.1(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	77 Bromobenzene	77	12.146	12.146	(0.924)	1286156	80.0000	78.1
	78 1,3,5-Trimethylbenzene	105	12.261	12.261	(0.933)	2640949	80.0000	84.0(A)
	79 2-Chlorotoluene	91	12.282	12.282	(0.934)	2567542	80.0000	81.7(A)
	80 4-Chlorotoluene	91	12.329	12.329	(0.938)	2389552	80.0000	79.8
	81 tert-Butylbenzene	119	12.621	12.621	(0.960)	2395594	80.0000	83.2(A)
	82 1,2,4-trimethylbenzene	105	12.657	12.657	(0.963)	2660063	80.0000	84.3(A)
	83 sec-Butylbenzene	105	12.834	12.834	(0.976)	3072748	80.0000	84.6(A)
	84 p-Isopropyltoluene	119	12.972	12.972	(0.987)	2646674	80.0000	86.9(A)
	85 1,3-Dichlorobenzene	146	13.069	13.069	(0.994)	1385872	80.0000	83.0(A)
*	86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.144	13.144	(1.000)	508462	50.0000	
	87 1,4-Dichlorobenzene	146	13.176	13.176	(1.002)	1362903	80.0000	82.4(A)
	88 Benzyl Chloride	91	13.293	13.294	(1.011)	893324	80.0000	117
	89 n-Butylbenzene	91	13.383	13.383	(1.018)	2318299	80.0000	90.4(A)
	90 1,2-Dichlorobenzene	146	13.548	13.548	(1.031)	1322212	80.0000	83.5(A)
	91 1,2-dibromo-3-chloropropane	75	14.300	14.300	(1.088)	129089	80.0000	88.6(A)
	92 1,2,4-Trichlorobenzene	180	14.980	14.980	(1.140)	718769	80.0000	98.4(A)
	93 Hexachlorobutadiene	223	15.077	15.078	(1.147)	183046	80.0000	81.0(A)
	94 Naphthalene	128	15.164	15.164	(1.154)	1649955	80.0000	108(A)
	95 1,2,3-trichlorobenzene	180	15.331	15.331	(1.166)	592582	80.0000	94.9(A)
	103 Isopropyl Ether	45	4.960	4.960	(0.668)	2315649	80.0000	85.3(A)
	104 Ethyl acetate	43	5.987	5.987	(0.806)	1193962	160.000	157
	105 Cyclohexanone	55	11.759	11.759	(1.096)	819659	800.000	933(A)
	106 Ethyl ether	59	2.853	2.853	(0.384)	573998	80.0000	87.0(A)
	107 2-Nitropropane	43	8.427	8.427	(1.134)	283625	160.000	174(A)
	108 Tetrahydrofuran	42	6.417	6.418	(0.864)	340141	160.000	123
	112 2-Cleve	63	8.691	8.691	(1.170)	660300	160.000	189(TA)

QC Flag Legend

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

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 80PPB.D
Lab Smp Id: 80PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3061507C.b\8260A.m
Misc Info:

Calibration Date: 15-JUN-2007
Calibration Time: 08:10
Client Smp ID: 80PPBCAL
Level: LOW
Sample Type: WATER

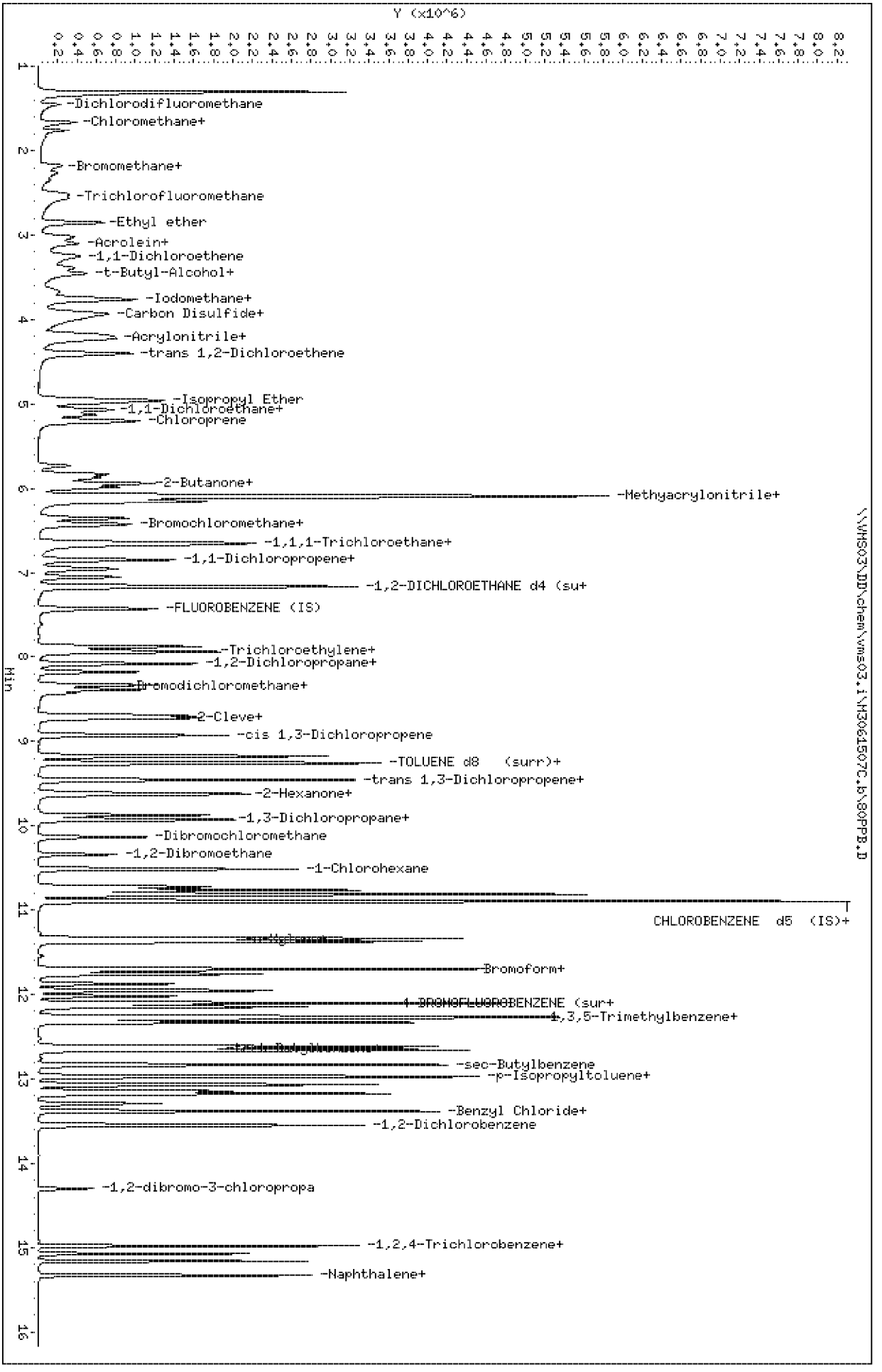
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1242529	621265	2485058	1264897	1.80
63 CHLOROBENZENE d5	904640	452320	1809280	919228	1.61
86 1,4-DICHLOROBENZE	495635	247818	991270	508462	2.59

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	-0.00
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	0.00
86 1,4-DICHLOROBENZE	13.14	12.64	13.64	13.14	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3061507C.b\80PPB.D
Date : 15-JUN-2007 08:57
Client ID: 80PPBCAL
Sample Info: 80PPBCAL
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3061507C.b\SEC31.D
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Inj Date : 15-JUN-2007 09:20
Operator : Inst ID: vms03.i
Smp Info : SEC31
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3061507C.b\8260A.m
Meth Date : 18-Jun-2007 12:52 lpelo Quant Type: ISTD
Cal Date : 15-JUN-2007 08:57 Cal File: 80PPB.D
Als bottle: 12 QC Sample: SSC
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				963047	102.813	103
M 2 Xylenes (Total)	100				3068736	155.241	155
M 3 Trihalomethanes (Total)	100				1822166	210.070	210
4 Dichlorodifluoromethane	85	1.454	1.453	(0.196)	270599	47.5450	47.5
5 Chloromethane	50	1.665	1.660	(0.224)	420860	48.8804	48.9
6 Vinyl Chloride	62	1.759	1.755	(0.237)	264331	52.2295	52.2
7 Bromomethane	96	2.183	2.181	(0.294)	218738	50.9003	50.9
8 Chloroethane	64	2.271	2.269	(0.306)	250317	51.9790	52.0
9 Trichlorofluoromethane	101	2.518	2.519	(0.339)	475186	47.0963	47.1
10 Acrolein	56	3.012	3.011	(0.405)	115780	83.9022	83.9
11 1,1,2 Trichlorotrifluoromethan	101	3.045	3.042	(0.410)	356882	53.3263	53.3
12 Acetone	43	3.099	3.101	(0.417)	242912	85.9263	85.9
13 1,1-Dichloroethene	61	3.253	3.250	(0.438)	628423	50.7852	50.8
109 t-Butyl-Alcohol	59	3.389	3.395	(0.456)	402547	536.147	536
14 Acetonitrile	41	3.455	3.456	(0.465)	638395	470.464	470
15 Iodomethane	142	3.673	3.674	(0.494)	535268	57.3951	57.4
16 Methyl Acetate	43	3.745	3.747	(0.504)	326026	47.3407	47.3
17 Allyl Chloride	41	3.766	3.764	(0.507)	617040	52.4610	52.5(Q)
18 Carbon Disulfide	76	3.918	3.915	(0.527)	1179430	51.6358	51.6
19 Methylene Chloride	49	3.943	3.943	(0.531)	616650	49.1000	49.1
20 Acrylonitrile	53	4.172	4.172	(0.562)	285521	84.6595	84.6
21 Methyl-tert-butyl ether	73	4.219	4.221	(0.568)	1108768	55.3697	55.4
22 trans 1,2-Dichloroethene	61	4.405	4.404	(0.593)	570935	50.7845	50.8

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
23 1,1-Dichloroethane	63	5.071	5.069	(0.683)	711810	50.6893	50.7
24 Vinyl Acetate	43	5.126	5.126	(0.690)	802739	56.2776	56.3
25 Chloroprene	53	5.203	5.202	(0.700)	693816	53.5688	53.6
26 2-Butanone	43	5.731	5.730	(0.771)	313752	83.6696	83.7
27 Propionitrile	54	5.828	5.829	(0.784)	634460	503.149	503
28 2,2-Dichloropropane	77	5.876	5.876	(0.791)	333772	54.7290	54.7
29 cis-1,2-Dichloroethene	96	5.940	5.940	(0.799)	392112	52.0282	52.0
30 Methyacrylonitrile	67	6.088	6.091	(0.819)	1576702	502.678	503
31 Isobutyl Alcohol	43	6.155	6.158	(0.828)	273819	967.131	967
32 Chloroform	83	6.152	6.153	(0.828)	672315	49.2370	49.2
33 Bromochloromethane	49	6.354	6.355	(0.855)	373592	48.8329	48.8
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.434	6.433	(0.866)	322788	47.7375	47.7
35 1,1,1-Trichloroethane	97	6.656	6.655	(0.896)	554786	52.8307	52.8
36 Cyclohexane	56	6.656	6.655	(0.896)	727048	53.1833	53.2
37 1,1-Dichloropropene	75	6.850	6.851	(0.922)	511112	52.8169	52.8
38 Carbon tetrachloride	117	6.957	6.957	(0.936)	426045	54.2991	54.3
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	7.053	7.054	(0.949)	72315	47.6165	47.6
40 1,2-Dichloroethane	62	7.164	7.164	(0.964)	604933	50.5496	50.5
41 Benzene	78	7.165	7.166	(0.964)	1444181	50.2483	50.2
* 42 FLUOROBENZENE (IS)	96	7.430	7.430	(1.000)	1259136	50.0000	
43 Trichloroethylene	130	7.878	7.878	(1.060)	371297	51.2109	51.2
44 Methyl Cyclohexane	55	7.935	7.935	(1.068)	544249	53.9589	54.0
45 1,2-Dichloropropane	63	8.078	8.079	(1.087)	420351	51.1774	51.2
46 Methyl Methacrylate	69	8.176	8.176	(1.100)	246271	52.8536	52.8
47 Bromodichloromethane	83	8.332	8.332	(1.121)	532202	52.3034	52.3
48 1,4 Dioxane	88	8.374	8.374	(1.127)	78871	1081.49	1080(q)
49 Dibromomethane	93	8.384	8.383	(1.128)	244551	49.9085	49.9
50 4-Methyl-2-Pentanone	43	8.723	8.723	(0.664)	702198	83.5558	83.6(M)
51 2-Hexanone	43	9.631	9.630	(0.898)	467204	88.0014	88.0
52 cis 1,3-Dichloropropene	75	8.926	8.926	(1.201)	673401	54.5816	54.6
$ 53 TOLUENE d8 (surr)	98	9.172	9.172	(1.234)	1287821	48.5041	48.5
54 Toluene	92	9.254	9.254	(1.245)	959977	51.8925	51.9
55 trans 1,3-Dichloropropene	75	9.454	9.454	(1.272)	599634	56.9832	57.0
56 Ethyl Methacrylate	69	9.456	9.456	(1.273)	474993	56.3129	56.3
57 1,1,2-Trichloroethane	97	9.611	9.612	(1.294)	343375	49.8434	49.8
58 1,3-Dichloropropane	76	9.872	9.872	(0.920)	604496	51.1176	51.1
59 Tetrachloroethylene	164	9.926	9.926	(0.925)	296590	51.6342	51.6
60 Dibromochloromethane	129	10.134	10.134	(0.945)	373152	54.4142	54.4
61 1,2-Dibromoethane	107	10.338	10.338	(0.964)	353564	52.5075	52.5
62 1-Chlorohexane	91	10.510	10.510	(0.980)	486974	55.4999	55.5
* 63 CHLOROBENZENE d5 (IS)	117	10.725	10.725	(1.000)	912134	50.0000	
64 Chlorobenzene	112	10.764	10.764	(1.004)	1058119	50.3118	50.3
65 1,1,1,2-Tetrachloroethane	131	10.810	10.810	(1.008)	330787	52.6354	52.6
66 Ethylbenzene	106	10.819	10.819	(1.009)	558840	52.6593	52.6
67 p,m-Xylene	106	10.896	10.896	(1.016)	1432459	103.224	103
68 o-Xylene	91	11.336	11.336	(1.057)	1636277	52.0172	52.0
69 Styrene	104	11.372	11.373	(1.060)	1194935	54.4621	54.5
70 Bromoform	173	11.714	11.714	(1.092)	244497	54.1155	54.1
71 1-Methylethylbenzene	105	11.698	11.699	(0.890)	1814204	52.5396	52.5
72 1,4-Dichloro-2-Butene	53	11.371	11.372	(0.865)	14279	112.103	112(q)
73 1,1,2,2-Tetrachloroethane	83	11.874	11.874	(0.903)	451231	49.8072	49.8
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.952	11.952	(0.909)	523124	47.6616	47.7
75 1,2,3- trichloropropane	110	12.023	12.021	(0.915)	143064	49.9947	50.0
76 n-Propylbenzene	91	12.103	12.103	(0.921)	2290046	52.8403	52.8

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
77 Bromobenzene	77	12.145	12.146	(0.924)	813934	50.3686	50.4
78 1,3,5-Trimethylbenzene	105	12.261	12.261	(0.933)	1639803	52.6958	52.7
79 2-Chlorotoluene	91	12.281	12.282	(0.934)	1602368	51.7071	51.7
80 4-Chlorotoluene	91	12.328	12.329	(0.938)	1479123	50.2470	50.2
81 tert-Butylbenzene	119	12.621	12.621	(0.960)	1509367	53.0416	53.0
82 1,2,4-trimethylbenzene	105	12.657	12.657	(0.963)	1659172	53.0808	53.1
83 sec-Butylbenzene	105	12.833	12.834	(0.976)	1933619	53.7461	53.7
84 p-Isopropyltoluene	119	12.971	12.972	(0.987)	1621407	53.5389	53.5
85 1,3-Dichlorobenzene	146	13.069	13.069	(0.994)	848489	51.3890	51.4
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.143	13.144	(1.000)	500309	50.0000	
87 1,4-Dichlorobenzene	146	13.175	13.176	(1.002)	848991	51.9519	52.0
88 Benzyl Chloride	91	13.293	13.294	(1.011)	536641	53.8448	53.8
89 n-Butylbenzene	91	13.382	13.383	(1.018)	1399553	54.5860	54.6
90 1,2-Dichlorobenzene	146	13.549	13.548	(1.031)	823682	52.5912	52.6
91 1,2-dibromo-3-chloropropane	75	14.297	14.300	(1.088)	76627	52.7351	52.7
92 1,2,4-Trichlorobenzene	180	14.968	14.980	(1.139)	433241	51.7888	51.8
93 Hexachlorobutadiene	223	15.063	15.078	(1.146)	123716	55.5281	55.5
94 Naphthalene	128	15.148	15.164	(1.153)	1024005	52.5228	52.5
95 1,2,3-trichlorobenzene	180	15.312	15.331	(1.165)	364168	50.9328	50.9
103 Isopropyl Ether	45	4.960	4.960	(0.668)	1422763	52.2422	52.2
104 Ethyl acetate	43	5.987	5.987	(0.806)	768092	101.778	102
105 Cyclohexanone	55	11.759	11.759	(1.096)	584383	572.236	572
106 Ethyl ether	59	2.852	2.853	(0.384)	348882	52.5556	52.6
107 2-Nitropropane	43	8.427	8.427	(1.134)	167116	102.088	102
108 Tetrahydrofuran	42	6.418	6.418	(0.864)	220053	98.7149	98.7
112 2-Cleve	63	8.691	8.691	(1.170)	397125	111.820	112(q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: SEC31.D
Lab Smp Id: SEC31
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3061507C.b\8260A.m
Misc Info:

Calibration Date: 15-JUN-2007
Calibration Time: 08:10
Client Smp ID: SEC31
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1242529	621265	2485058	1259136	1.34
63 CHLOROBENZENE d5	904640	452320	1809280	912134	0.83
86 1,4-DICHLOROBENZE	495635	247818	991270	500309	0.94

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	-0.00
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	-0.00
86 1,4-DICHLOROBENZE	13.14	12.64	13.64	13.14	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3061507C.b\SEC31.D

Page 5

Date : 15-JUN-2007 09:20

Client ID: SEC31

Instrument: vms03.i

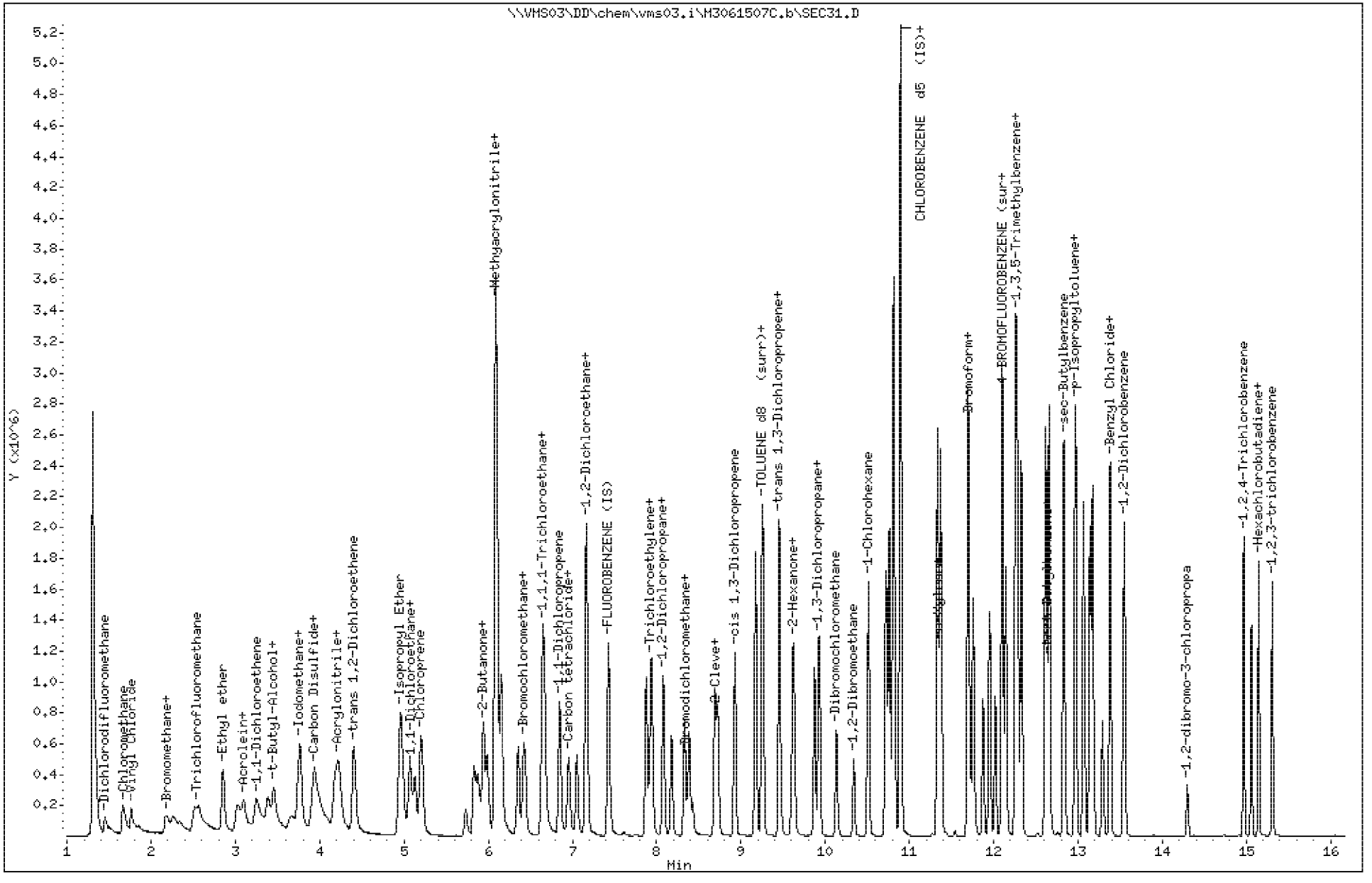
Sample Info: SEC31

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M306150P.b\BFB32.D
Lab Smp Id: 061507BFBA32 Client Smp ID: 061507BFBA32
Inj Date : 15-JUN-2007 09:55
Operator : Inst ID: vms03.i
Smp Info : 061507BFBA32
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M306150P.b\BFBE.m
Meth Date : 18-Jun-2007 12:55 lpelo Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * CpndVariable
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 #: 74-83-9		
7.232	7.500	-0.268	95	82120			0.00- 100.00	100.00
7.232	7.500	-0.268	50	15807			15.00- 40.00	19.25
7.232	7.500	-0.268	75	39664			30.00- 60.00	48.30
7.232	7.500	-0.268	96	5580			5.00- 9.00	6.79
7.232	7.500	-0.268	173	0	0.0	0.0	0.00- 2.00	0.00
7.232	7.500	-0.268	174	59072			50.00- 100.00	71.93
7.232	7.500	-0.268	175	4006			5.00- 9.00	6.78
7.232	7.500	-0.268	176	57080			95.00- 101.00	96.63
7.232	7.500	-0.268	177	4000			5.00- 9.00	7.01

Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\BFB32.D

Date : 15-JUN-2007 09:55

Client ID: 061507BFBA32

Instrument: vms03.i

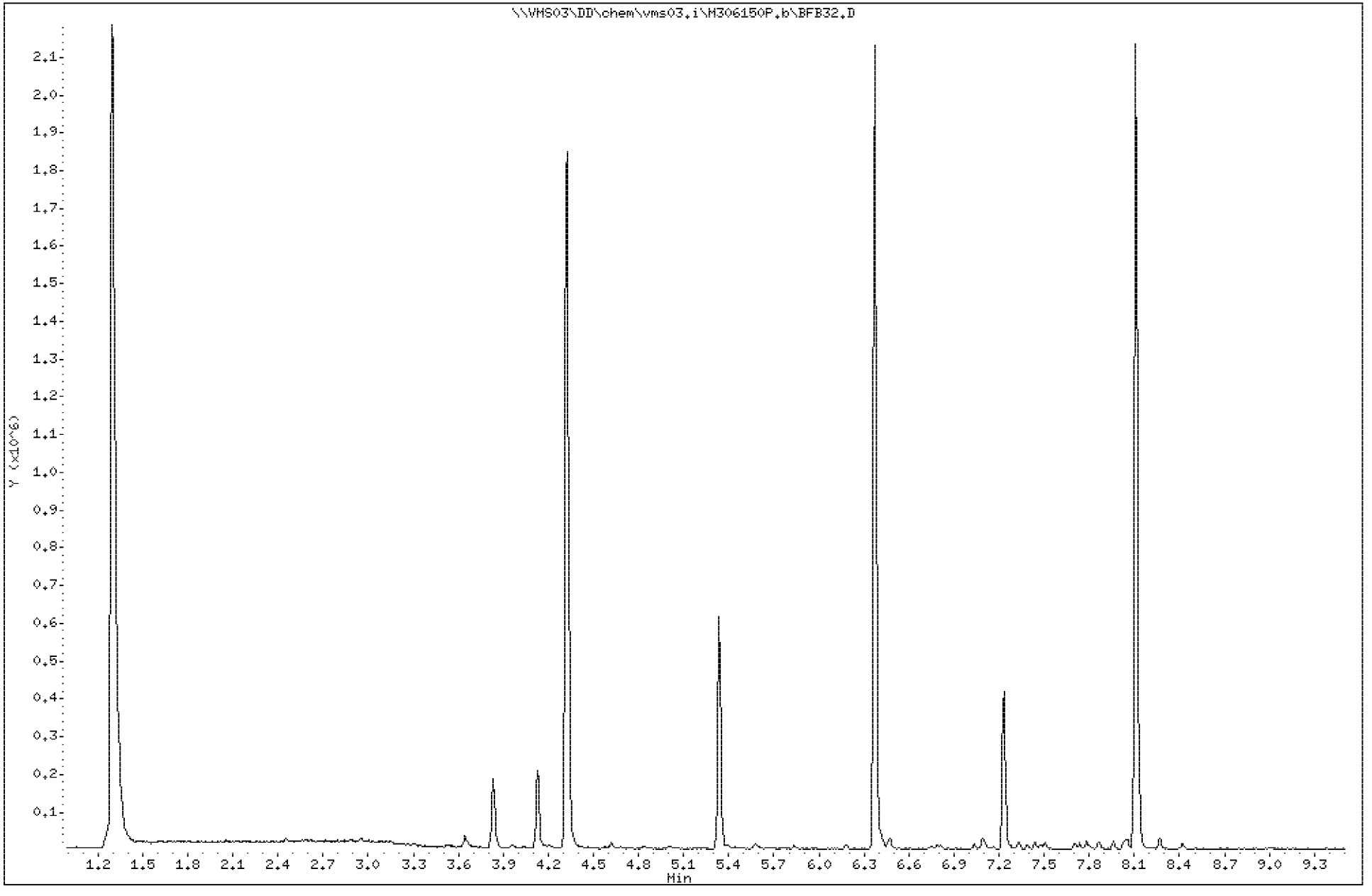
Sample Info: 061507BFBA32

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\BFB32.D

Date : 15-JUN-2007 09:55

Client ID: 061507BFBA32

Instrument: vms03.i

Sample Info: 061507BFBA32

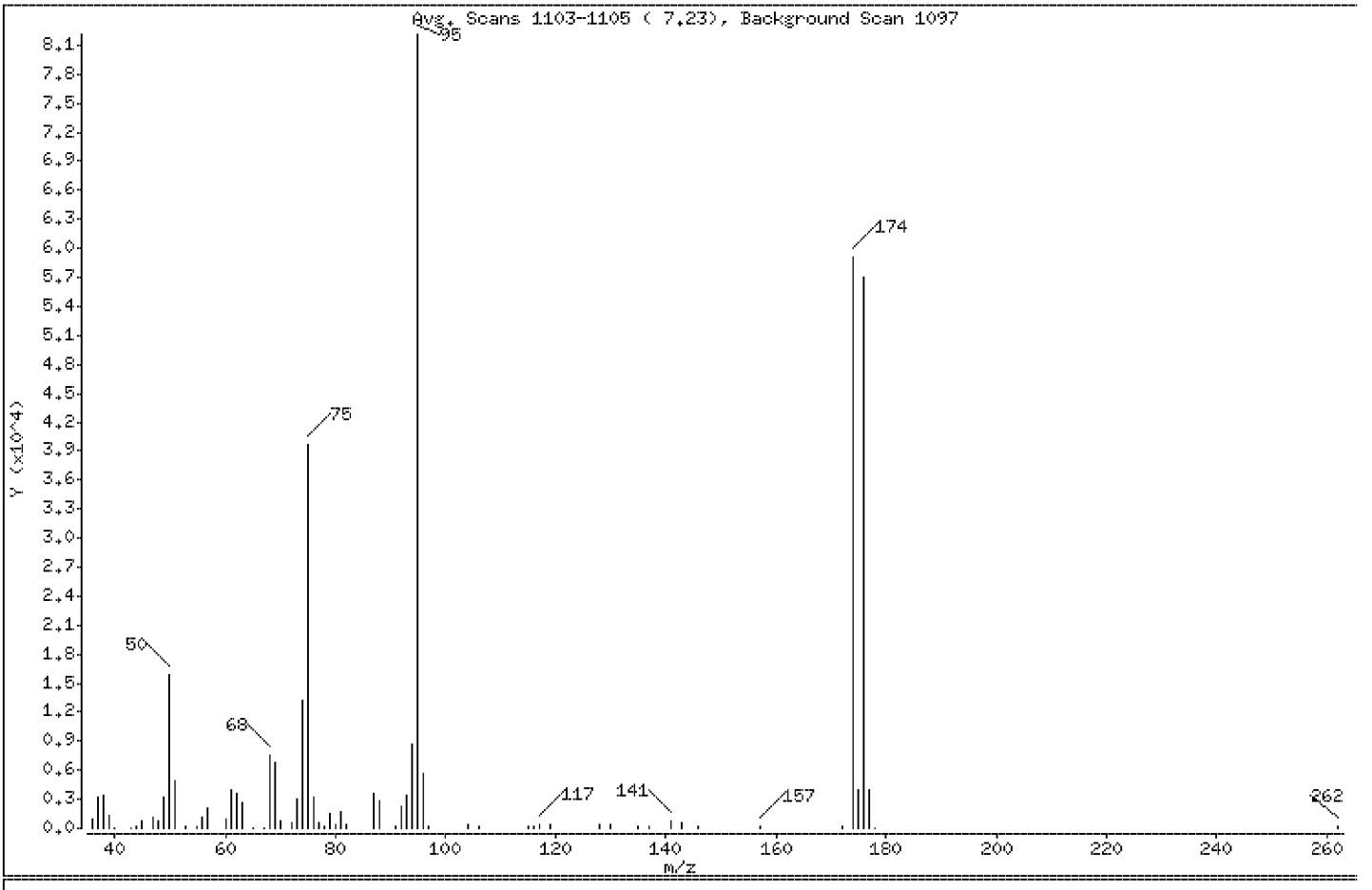
Purge Volume: 5.0

Operator:

Column phase: DB-624

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	19.25
75	30.00 - 60.00% of mass 95	48.30
96	5.00 - 9.00% of mass 95	6.79
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	71.93
175	5.00 - 9.00% of mass 174	4.88 (6.78)
176	95.00 - 101.00% of mass 174	69.51 (96.63)
177	5.00 - 9.00% of mass 176	4.87 (7.01)

Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\BFB32.D

Date : 15-JUN-2007 09:55

Client ID: 061507BFBA32 Instrument: vms03.i

Sample Info: 061507BFBA32

Purge Volume: 5.0 Operator:

Column phase: DB-624 Column diameter: 0.18

Data File: BFB32.D
Spectrum: Avg. Scans 1103-1105 (7.23), Background Scan 1097
Location of Maximum: 95.00
Number of points: 67

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1001	60.00	986	80.00	469	119.00	326
37.00	3292	61.00	3940	81.00	1747	128.00	403
38.00	3412	62.00	3656	82.00	382	130.00	442
39.00	1284	63.00	2709	87.00	3494	135.00	95
40.00	53	65.00	86	88.00	2831	137.00	137
43.00	87	67.00	93	91.00	222	141.00	799
44.00	169	68.00	7540	92.00	2177	143.00	616
45.00	825	69.00	6797	93.00	3377	146.00	99
47.00	1143	70.00	849	94.00	8731	157.00	146
48.00	740	72.00	513	95.00	82120	172.00	95
49.00	3243	73.00	3093	96.00	5580	174.00	59072
50.00	15807	74.00	13150	97.00	249	175.00	4006
51.00	4900	75.00	39664	104.00	458	176.00	57080
53.00	95	76.00	3147	106.00	247	177.00	4000
55.00	133	77.00	626	115.00	111	178.00	89
56.00	1204	78.00	246	116.00	190	262.00	96
57.00	2017	79.00	1582	117.00	461		

PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D
Lab Smp Id: 061507CCVA31 Client Smp ID: 061507CCVA31
Inj Date : 15-JUN-2007 10:18
Operator : Inst ID: vms03.i
Smp Info : 061507CCVA31
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M306150P.b\8260A.m
Meth Date : 19-Jun-2007 11:24 vms03.i Quant Type: ISTD
Cal Date : 15-JUN-2007 08:57 Cal File: 80PPB.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				968216	100.000	(a)
M 2 Xylenes (Total)	100				2999509	150.000	(a)
M 3 Trihalomethanes (Total)	100				1824107	50.0000	(a)
4 Dichlorodifluoromethane	85	1.454	1.454	(0.196)	259924	50.0000	44.6
5 Chloromethane	50	1.665	1.665	(0.224)	417277	50.0000	47.3
6 Vinyl Chloride	62	1.758	1.758	(0.237)	263266	50.0000	50.5
7 Bromomethane	96	2.183	2.183	(0.294)	211793	50.0000	48.2
8 Chloroethane	64	2.272	2.272	(0.306)	242162	50.0000	49.1
9 Trichlorofluoromethane	101	2.521	2.521	(0.340)	489553	50.0000	47.4
10 Acrolein	56	3.010	3.010	(0.405)	142104	100.000	101
11 1,1,2 Trichlorotrifluoromethan	101	3.040	3.040	(0.409)	350229	50.0000	51.1
12 Acetone	43	3.095	3.095	(0.417)	305756	100.000	106
13 1,1-Dichloroethene	61	3.252	3.252	(0.438)	633011	50.0000	50.0
109 t-Butyl-Alcohol	59	3.385	3.385	(0.456)	387264	500.000	504(Q)
14 Acetonitrile	41	3.452	3.452	(0.465)	631945	500.000	455
15 Iodomethane	142	3.671	3.671	(0.494)	525772	50.0000	55.1
16 Methyl Acetate	43	3.742	3.742	(0.504)	340601	50.0000	48.3
17 Allyl Chloride	41	3.762	3.762	(0.507)	616300	50.0000	51.2
18 Carbon Disulfide	76	3.916	3.916	(0.527)	1156782	50.0000	49.5
19 Methylene Chloride	49	3.942	3.942	(0.531)	619084	50.0000	48.2
20 Acrylonitrile	53	4.168	4.168	(0.561)	362018	100.000	105
21 Methyl-tert-butyl ether	73	4.216	4.216	(0.568)	1104605	50.0000	53.9
22 trans 1,2-Dichloroethene	61	4.401	4.401	(0.593)	574328	50.0000	49.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	5.067	5.067	(0.682)	722446	50.0000	50.3
	24 Vinyl Acetate	43	5.123	5.123	(0.690)	796736	50.0000	54.6
	25 Chloroprene	53	5.200	5.200	(0.700)	675598	50.0000	51.0
	26 2-Butanone	43	5.725	5.725	(0.771)	415212	100.000	108
	27 Propionitrile	54	5.824	5.824	(0.784)	642752	500.000	498
	28 2,2-Dichloropropane	77	5.874	5.874	(0.791)	322645	50.0000	51.7
	29 cis-1,2-Dichloroethene	96	5.937	5.937	(0.799)	393888	50.0000	51.1
	30 Methyacrylonitrile	67	6.085	6.085	(0.819)	1611835	500.000	502
	31 Isobutyl Alcohol	43	6.152	6.152	(0.828)	257186	1000.00	885(TQ)
	32 Chloroform	83	6.150	6.150	(0.828)	674014	50.0000	48.2
	33 Bromochloromethane	49	6.353	6.353	(0.855)	377770	50.0000	48.2
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.430	6.430	(0.866)	322223	50.0000	46.6
	35 1,1,1-Trichloroethane	97	6.653	6.653	(0.896)	528877	50.0000	49.2
	36 Cyclohexane	56	6.652	6.652	(0.896)	711031	50.0000	50.8
	37 1,1-Dichloropropene	75	6.848	6.848	(0.922)	499892	50.0000	50.5
	38 Carbon tetrachloride	117	6.955	6.955	(0.936)	409182	50.0000	51.0
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.051	7.051	(0.949)	73684	50.0000	47.4
	40 1,2-Dichloroethane	62	7.162	7.162	(0.964)	598695	50.0000	48.9
	41 Benzene	78	7.163	7.163	(0.964)	1445112	50.0000	49.1
*	42 FLUOROBENZENE (IS)	96	7.427	7.427	(1.000)	1288369	50.0000	(T)
	43 Trichloroethylene	130	7.875	7.875	(1.060)	374112	50.0000	50.4
	44 Methyl Cyclohexane	55	7.933	7.933	(1.068)	523538	50.0000	50.7
	45 1,2-Dichloropropane	63	8.077	8.077	(1.087)	416140	50.0000	49.5
	46 Methyl Methacrylate	69	8.174	8.174	(1.101)	247831	50.0000	52.0
	47 Bromodichloromethane	83	8.330	8.330	(1.122)	533585	50.0000	51.2
	48 1,4 Dioxane	88	8.373	8.373	(1.127)	62626	1000.00	839(T)
	49 Dibromomethane	93	8.382	8.382	(1.128)	250851	50.0000	50.0
	50 4-Methyl-2-Pentanone	43	8.718	8.718	(0.663)	893129	100.000	105(M)
	51 2-Hexanone	43	9.629	9.629	(0.898)	583653	100.000	109
	52 cis 1,3-Dichloropropene	75	8.925	8.925	(1.202)	672301	50.0000	53.2
$	53 TOLUENE d8 (surr)	98	9.170	9.170	(1.235)	1283485	50.0000	47.2
	54 Toluene	92	9.253	9.253	(1.246)	946210	50.0000	50.0
	55 trans 1,3-Dichloropropene	75	9.453	9.453	(1.273)	593028	50.0000	55.1
	56 Ethyl Methacrylate	69	9.454	9.454	(1.273)	469777	50.0000	54.4
	57 1,1,2-Trichloroethane	97	9.610	9.610	(1.294)	344547	50.0000	48.9
	58 1,3-Dichloropropane	76	9.871	9.871	(0.920)	608653	50.0000	51.0
	59 Tetrachloroethylene	164	9.926	9.926	(0.926)	284608	50.0000	49.1
	60 Dibromochloromethane	129	10.133	10.133	(0.945)	370436	50.0000	53.5
	61 1,2-Dibromoethane	107	10.337	10.337	(0.964)	343245	50.0000	50.5
	62 1-Chlorohexane	91	10.509	10.509	(0.980)	472110	50.0000	53.3
*	63 CHLOROBENZENE d5 (IS)	117	10.724	10.724	(1.000)	921152	50.0000	
	64 Chlorobenzene	112	10.763	10.763	(1.004)	1054018	50.0000	49.6
	65 1,1,1,2-Tetrachloroethane	131	10.809	10.809	(1.008)	328654	50.0000	51.8
	66 Ethylbenzene	106	10.818	10.818	(1.009)	549556	50.0000	51.3
	67 p,m-Xylene	106	10.895	10.895	(1.016)	1386303	100.000	98.9
	68 o-Xylene	91	11.336	11.336	(1.057)	1613206	50.0000	50.8
	69 Styrene	104	11.372	11.372	(1.060)	1149573	50.0000	51.9
	70 Bromoform	173	11.712	11.712	(1.092)	246072	50.0000	53.9
	71 1-Methylethylbenzene	105	11.698	11.698	(0.890)	1750388	50.0000	49.9
	72 1,4-Dichloro-2-Butene	53	11.370	11.370	(0.865)	13067	100.000	101
	73 1,1,2,2-Tetrachloroethane	83	11.874	11.874	(0.903)	454390	50.0000	49.4
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.951	11.951	(0.909)	523839	50.0000	47.0
	75 1,2,3- trichloropropane	110	12.022	12.022	(0.915)	145291	50.0000	50.0
	76 n-Propylbenzene	91	12.102	12.102	(0.921)	2195945	50.0000	49.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	12.145	12.145	(0.924)	794912	50.0000	48.4
78 1,3,5-Trimethylbenzene	105	12.261	12.261	(0.933)	1608688	50.0000	50.9
79 2-Chlorotoluene	91	12.281	12.281	(0.934)	1570097	50.0000	49.9
80 4-Chlorotoluene	91	12.329	12.329	(0.938)	1464284	50.0000	49.0
81 tert-Butylbenzene	119	12.620	12.620	(0.960)	1454632	50.0000	50.3
82 1,2,4-trimethylbenzene	105	12.657	12.657	(0.963)	1633004	50.0000	51.4
83 sec-Butylbenzene	105	12.833	12.833	(0.976)	1877166	50.0000	51.4
84 p-Isopropyltoluene	119	12.971	12.971	(0.987)	1590441	50.0000	51.7
85 1,3-Dichlorobenzene	146	13.068	13.068	(0.994)	843635	50.0000	50.3
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.143	13.143	(1.000)	508073	50.0000	
87 1,4-Dichlorobenzene	146	13.175	13.175	(1.002)	822657	50.0000	49.6
88 Benzyl Chloride	91	13.293	13.293	(1.011)	528091	50.0000	52.4
89 n-Butylbenzene	91	13.382	13.382	(1.018)	1400656	50.0000	53.8
90 1,2-Dichlorobenzene	146	13.548	13.548	(1.031)	819557	50.0000	51.5
91 1,2-dibromo-3-chloropropane	75	14.300	14.300	(1.088)	80358	50.0000	54.4
92 1,2,4-Trichlorobenzene	180	14.980	14.980	(1.140)	426358	50.0000	50.3
93 Hexachlorobutadiene	223	15.078	15.078	(1.147)	119554	50.0000	52.8
94 Naphthalene	128	15.164	15.164	(1.154)	985125	50.0000	50.0
95 1,2,3-trichlorobenzene	180	15.332	15.332	(1.167)	371497	50.0000	51.2
103 Isopropyl Ether	45	4.956	4.956	(0.667)	1416194	50.0000	50.8
104 Ethyl acetate	43	5.983	5.983	(0.806)	787520	100.000	102
105 Cyclohexanone	55	11.758	11.758	(1.096)	545995	500.000	530
106 Ethyl ether	59	2.850	2.850	(0.384)	348188	50.0000	51.3
107 2-Nitropropane	43	8.425	8.425	(1.134)	162092	100.000	96.8
108 Tetrahydrofuran	42	6.415	6.415	(0.864)	216973	100.000	94.8
112 2-Cleve	63	8.689	8.689	(1.170)	398792	100.000	110(T)

QC Flag Legend

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

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 50CCV31.D
Lab Smp Id: 061507CCVA31
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M306150P.b\8260A.m
Misc Info:

Calibration Date: 15-JUN-2007
Calibration Time: 08:10
Client Smp ID: 061507CCVA31
Level: LOW
Sample Type: WATER

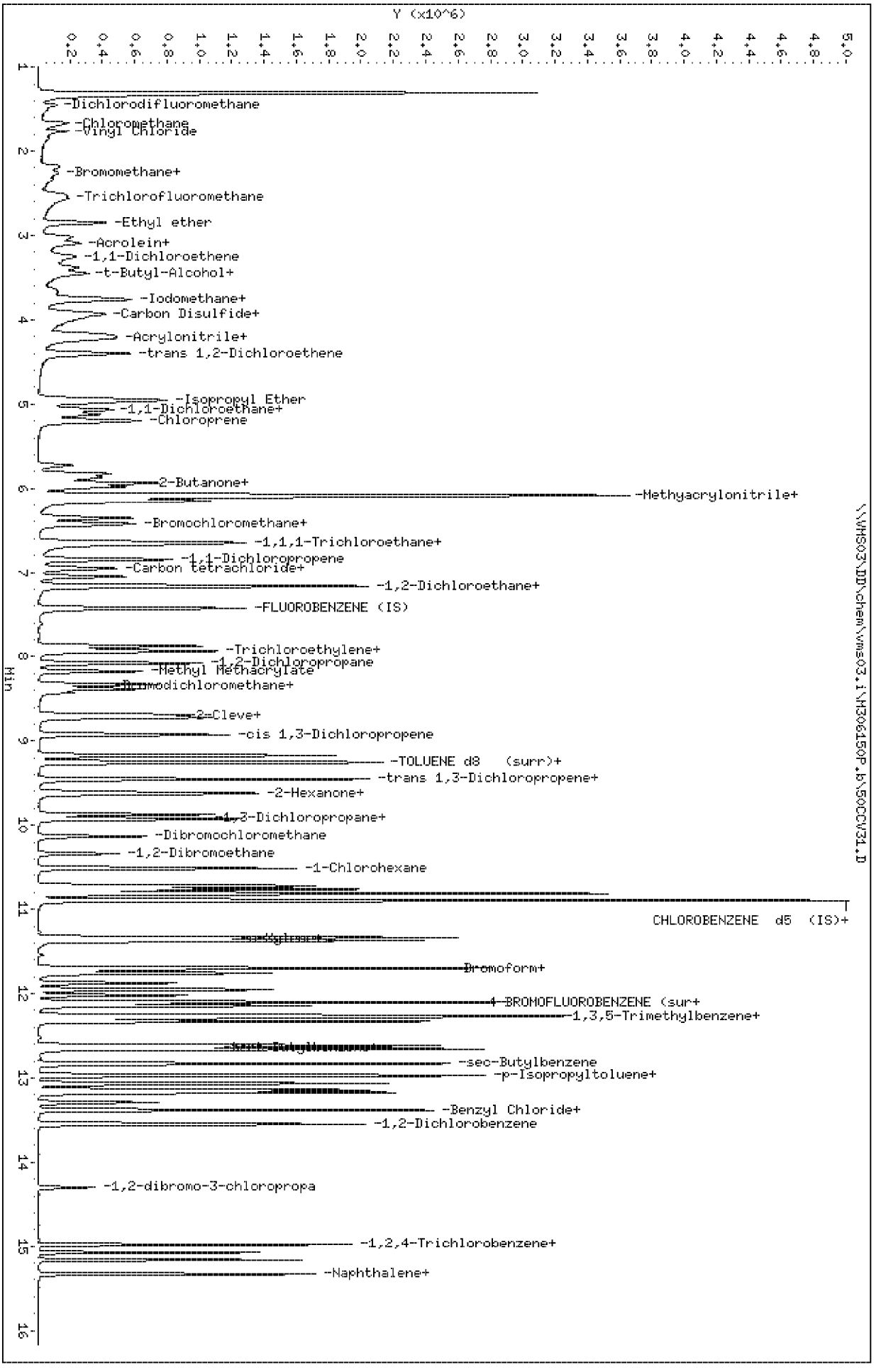
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1242529	621265	2485058	1288369	3.69
63 CHLOROBENZENE d5	904640	452320	1809280	921152	1.83
86 1,4-DICHLOROBENZE	495635	247818	991270	508073	2.51

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	-0.04
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.72	-0.01
86 1,4-DICHLOROBENZE	13.14	12.64	13.64	13.14	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\WHS03\DD\chem\vms03.i\M306150P.b\50CCV31.D
Date : 15-JUN-2007 10:18
Client ID: 061507CCVA31
Sample Info: 061507CCVA31
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



Page 5

Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

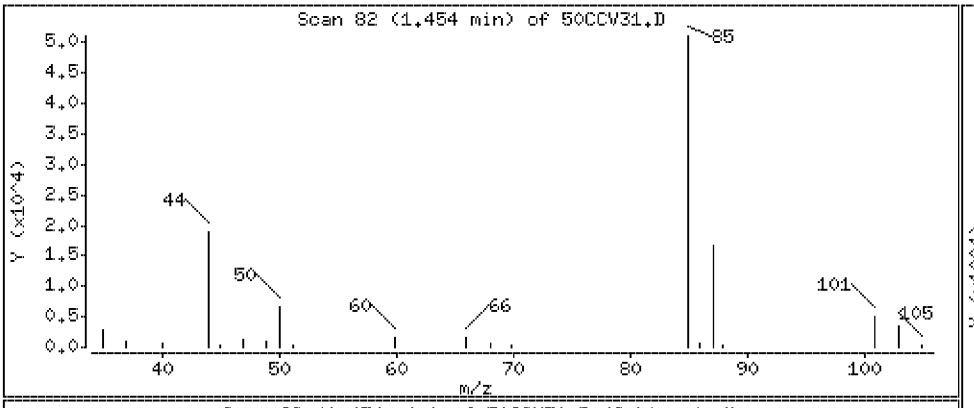
Client ID: 061507CCVA31 Instrument: vms03.i

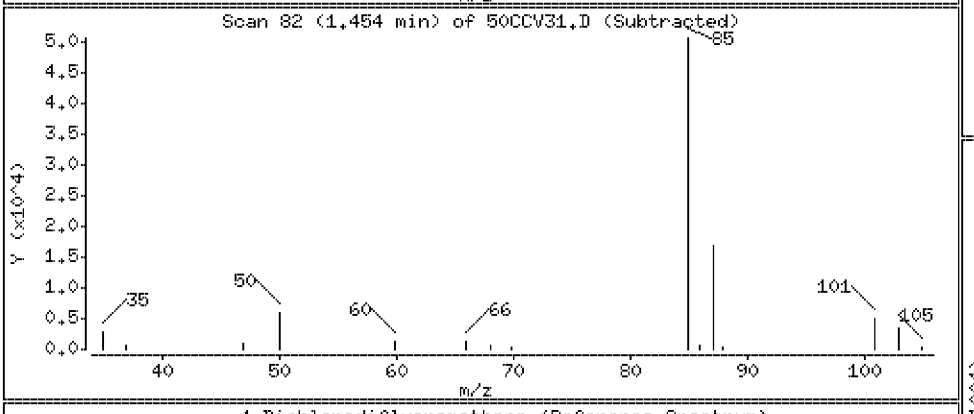
Sample Info: 061507CCVA31

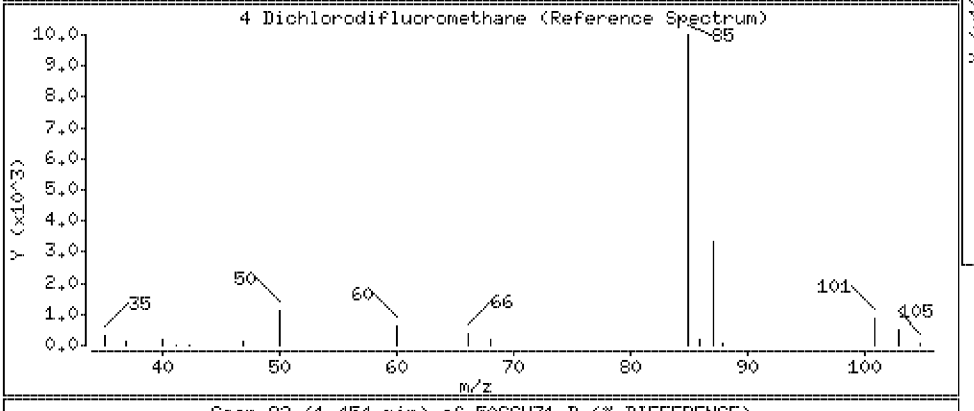
Purge Volume: 5.0 Operator:

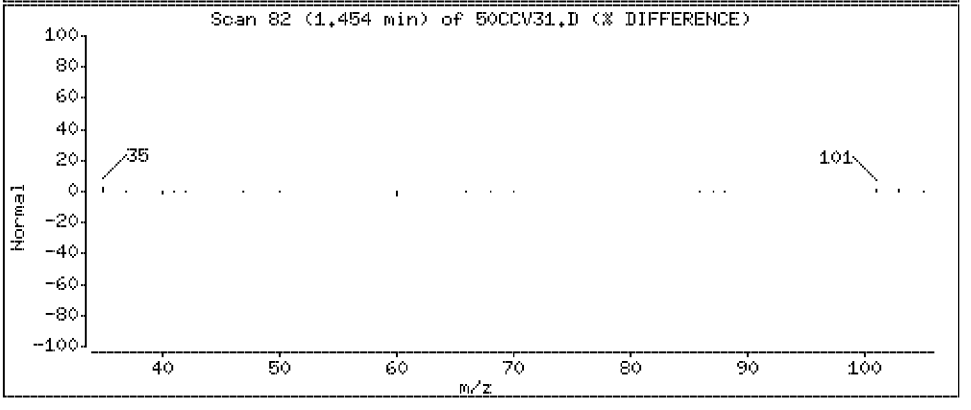
Column phase: DB-624 Column diameter: 0.18

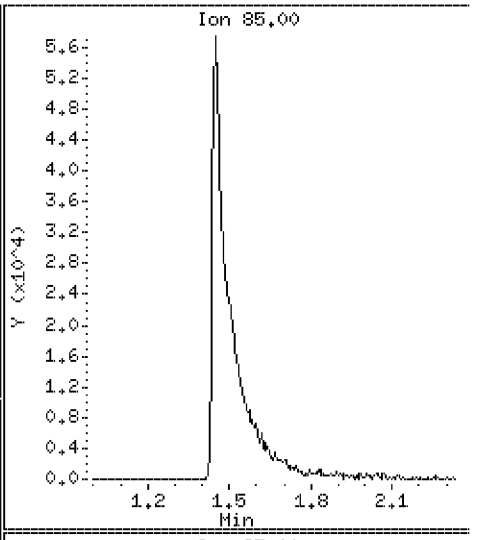
4 Dichlorodifluoromethane Concentration: 44.6 ug/l

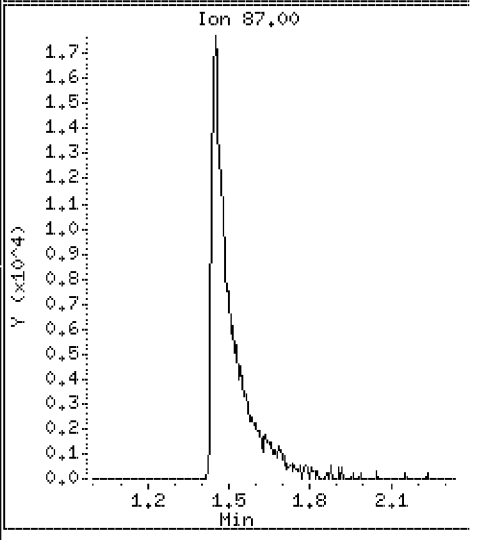












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

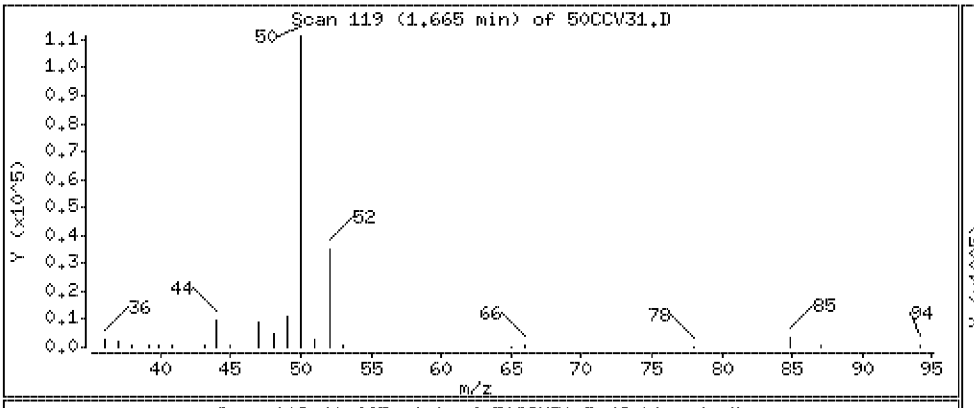
Client ID: 061507CCVA31 Instrument: vms03.i

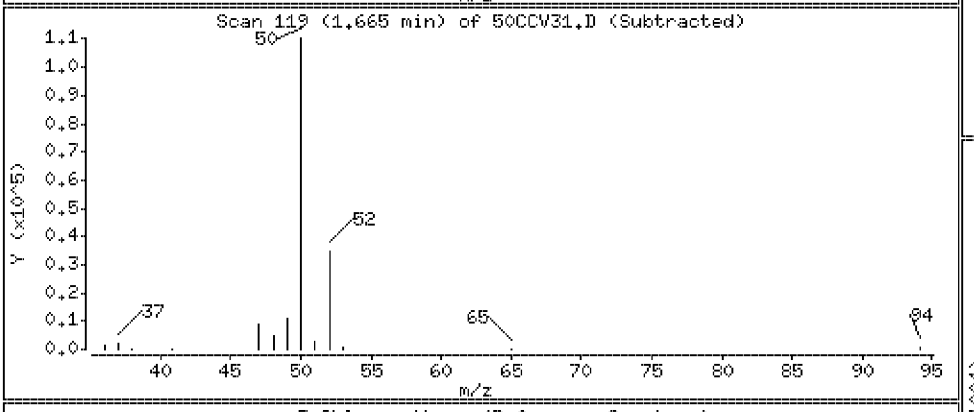
Sample Info: 061507CCVA31

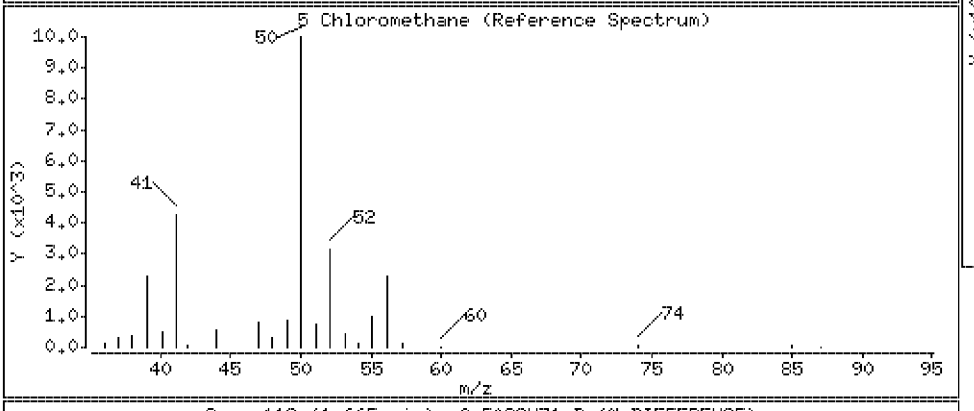
Purge Volume: 5.0 Operator:

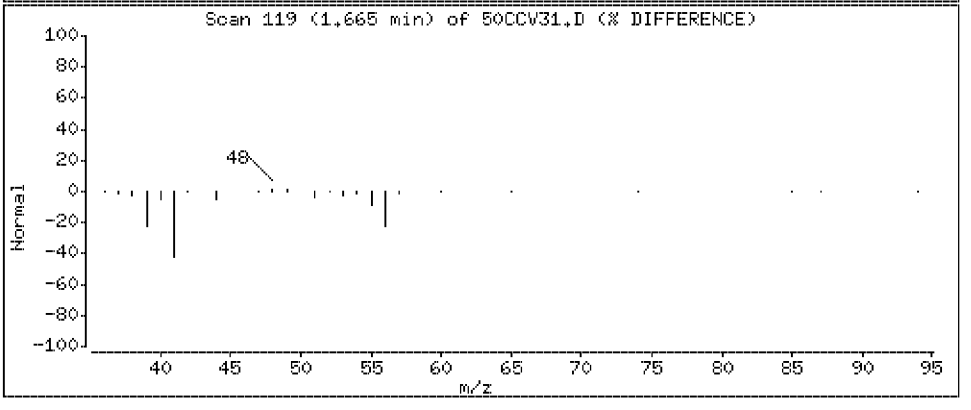
Column phase: DB-624 Column diameter: 0.18

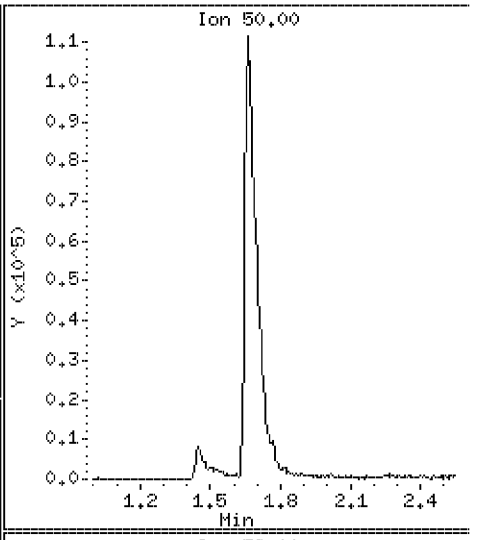
5 Chloromethane Concentration: 47.3 ug/l

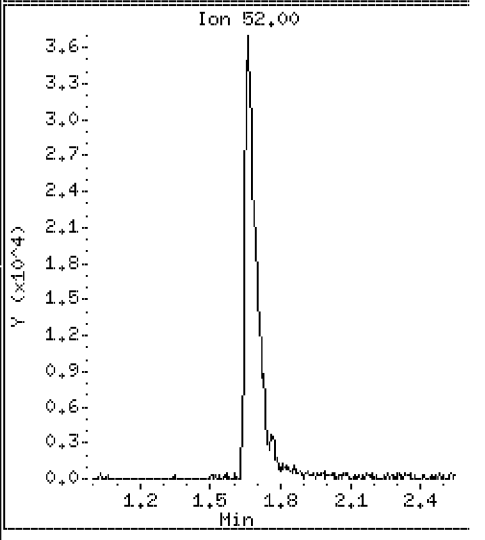












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

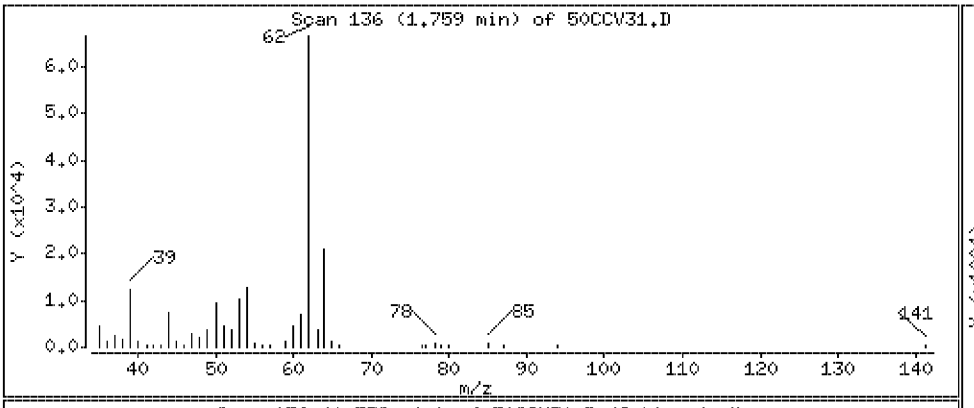
Client ID: 061507CCVA31 Instrument: vms03.i

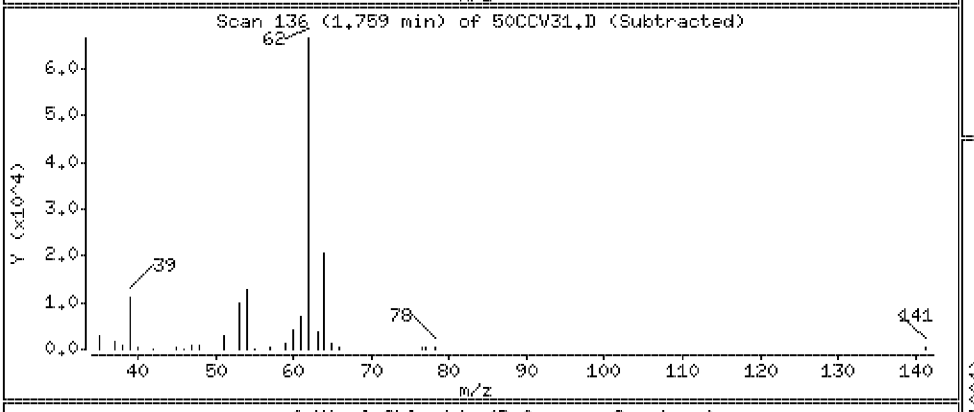
Sample Info: 061507CCVA31

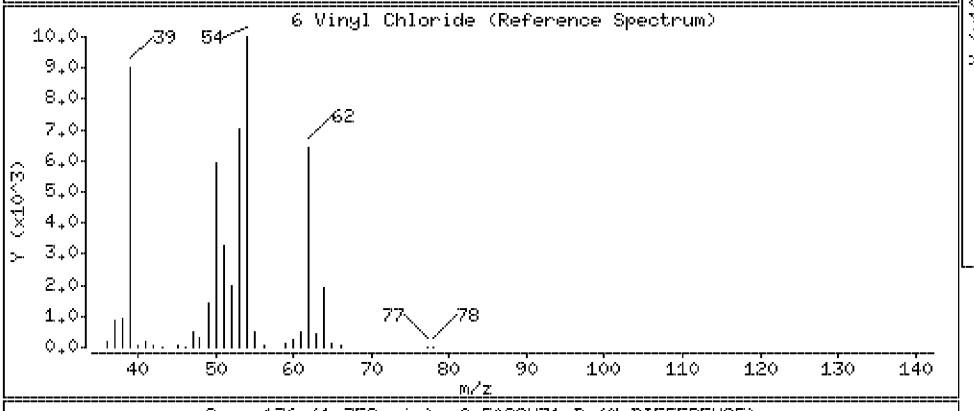
Purge Volume: 5.0 Operator:

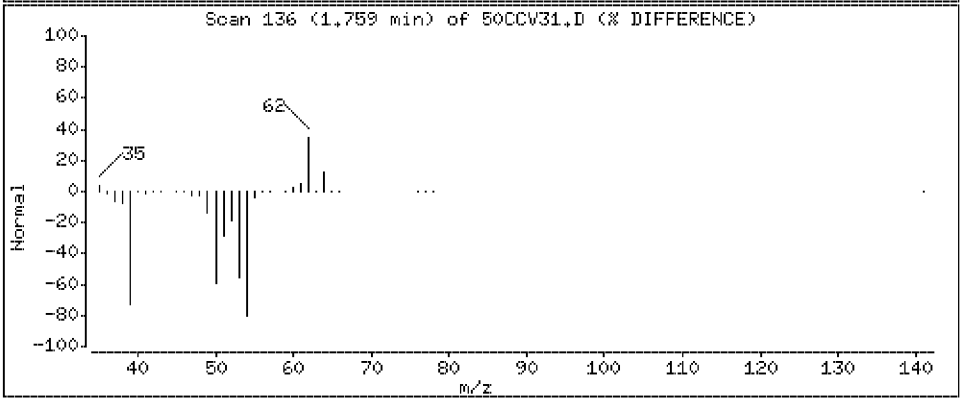
Column phase: DB-624 Column diameter: 0.18

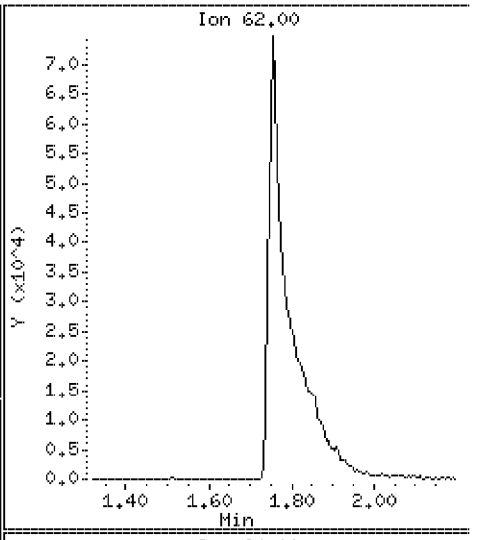
6 Vinyl Chloride Concentration: 50.5 ug/l

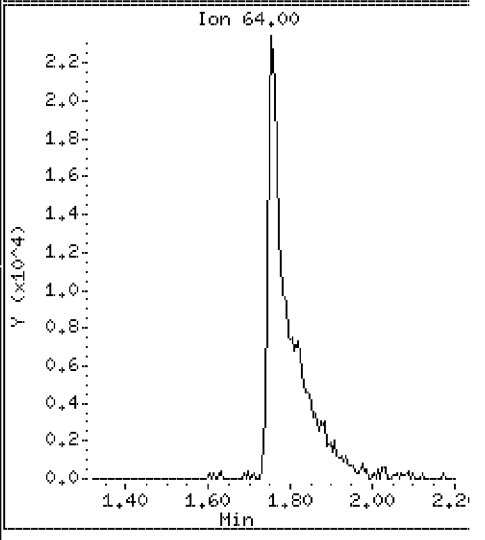












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

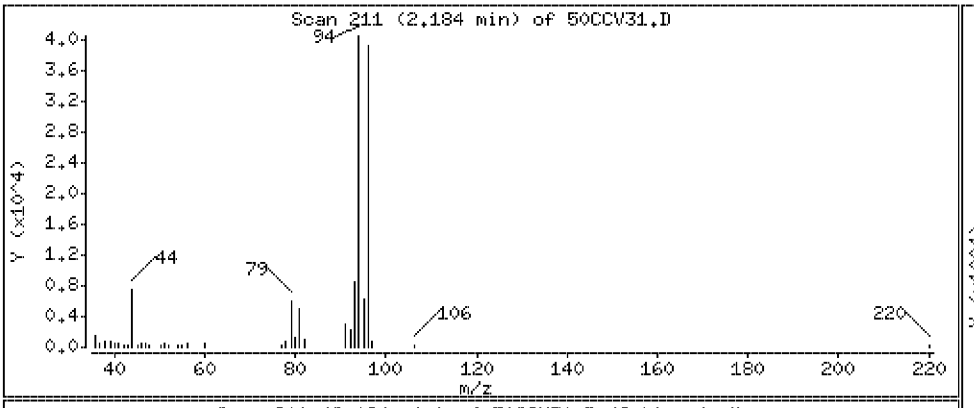
Client ID: 061507CCVA31 Instrument: vms03.i

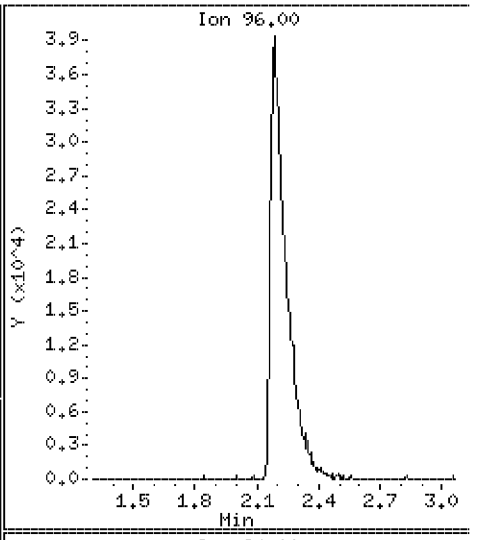
Sample Info: 061507CCVA31

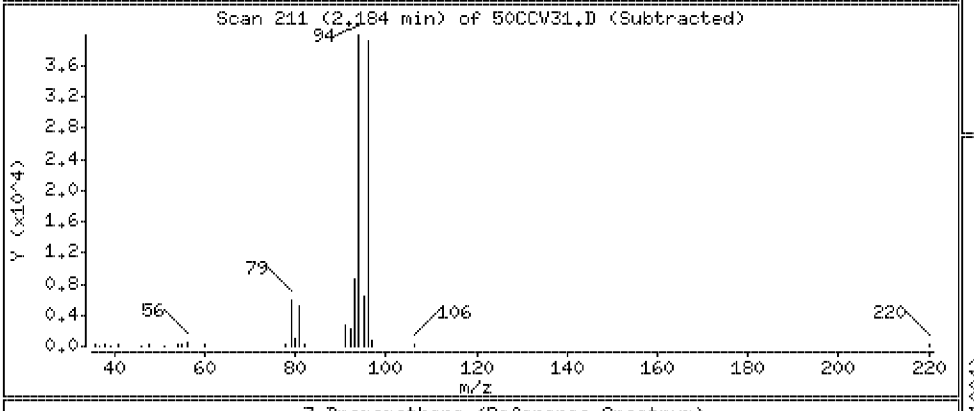
Purge Volume: 5.0 Operator:

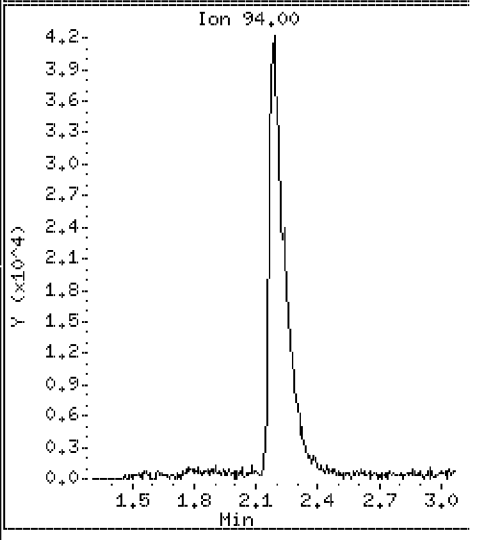
Column phase: DB-624 Column diameter: 0.18

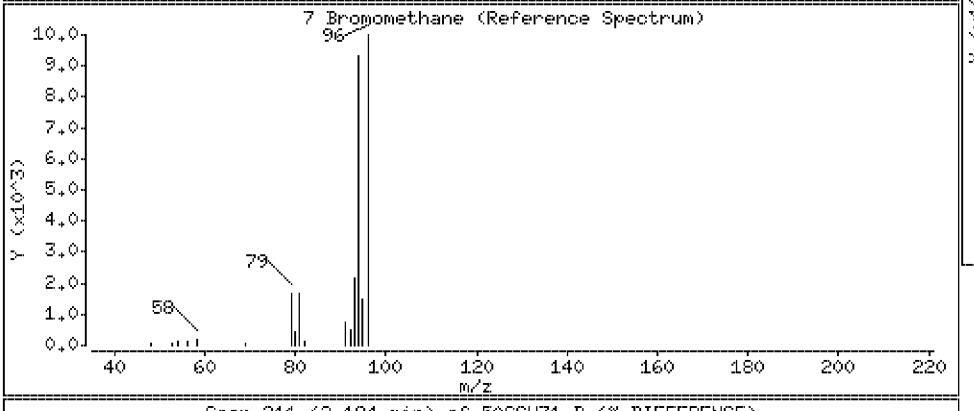
7 Bromomethane Concentration: 48.2 ug/l

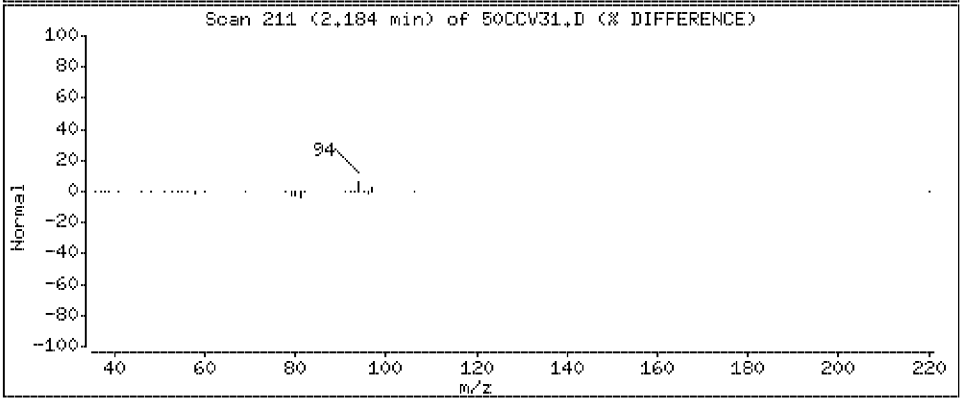












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

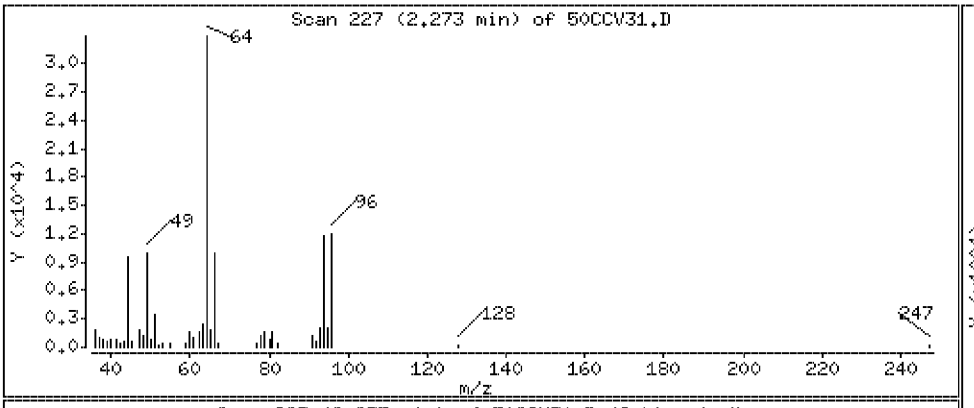
Client ID: 061507CCVA31 Instrument: vms03.i

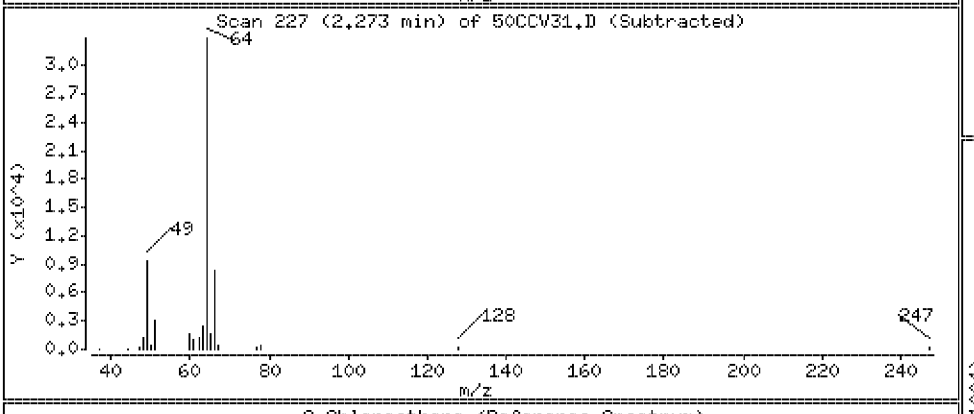
Sample Info: 061507CCVA31

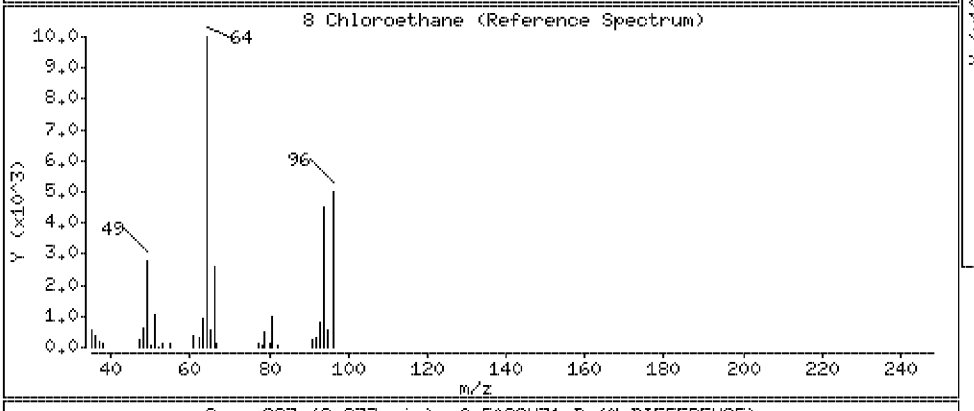
Purge Volume: 5.0 Operator:

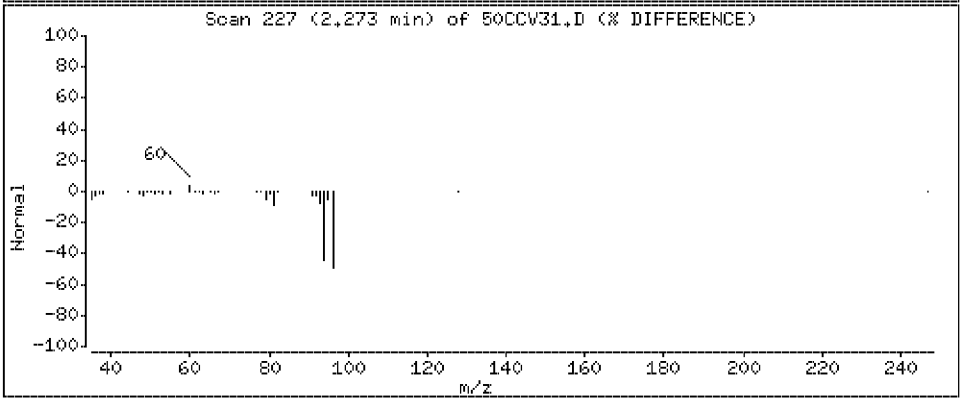
Column phase: DB-624 Column diameter: 0.18

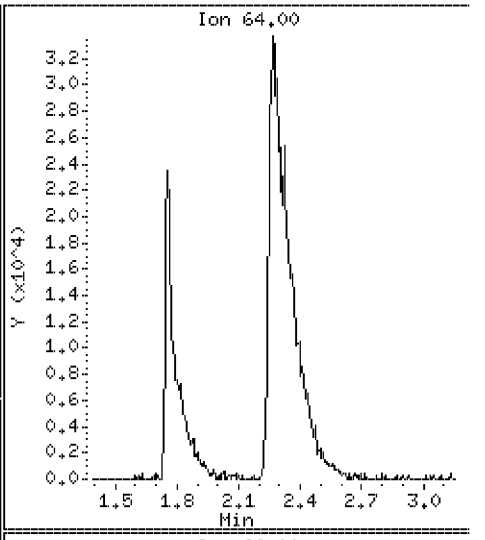
8 Chloroethane Concentration: 49.1 ug/l

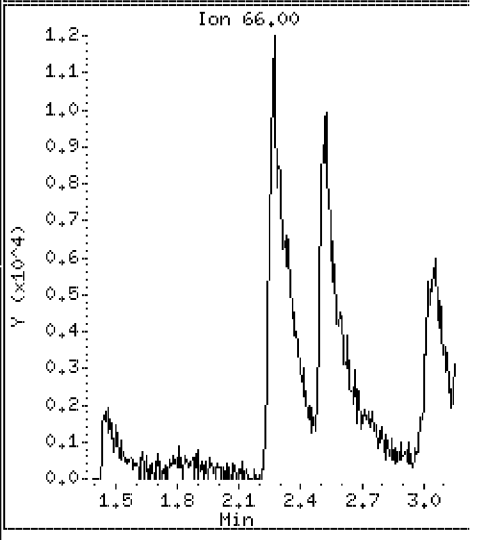












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

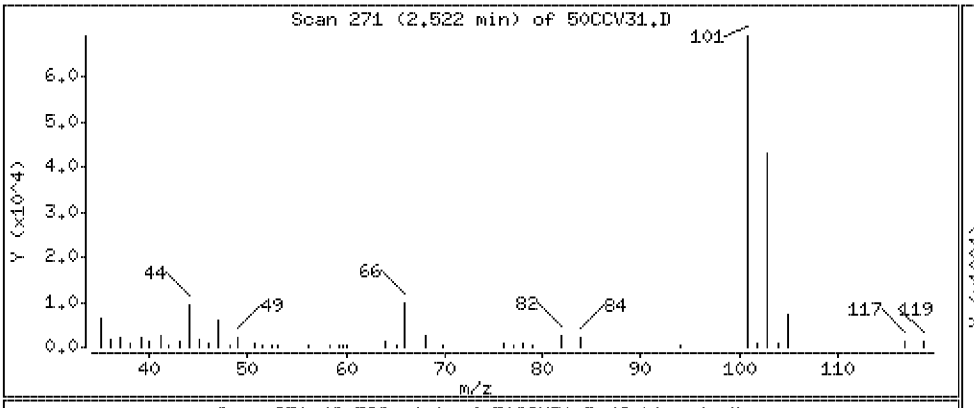
Client ID: 061507CCVA31 Instrument: vms03.i

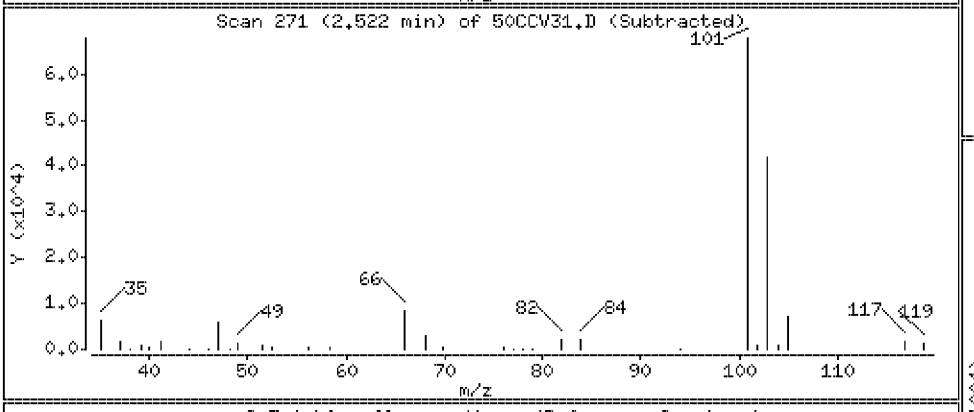
Sample Info: 061507CCVA31

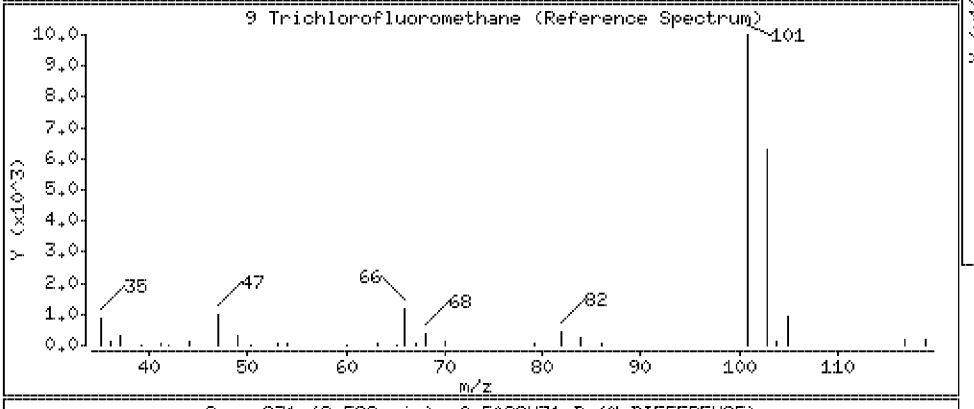
Purge Volume: 5.0 Operator:

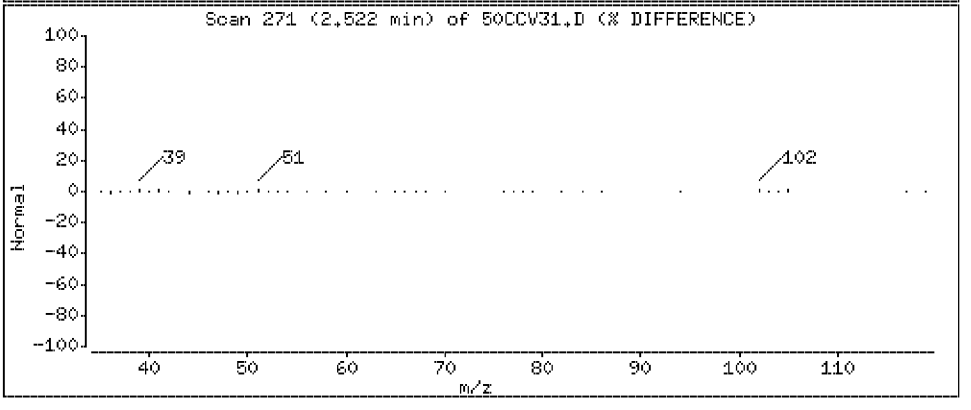
Column phase: DB-624 Column diameter: 0.18

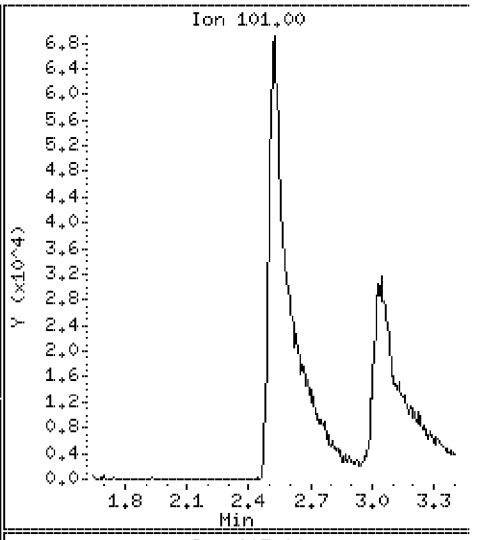
9 Trichlorofluoromethane Concentration: 47.4 ug/l

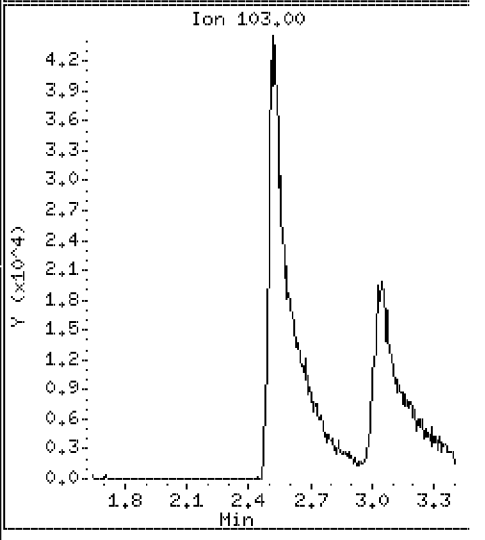












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

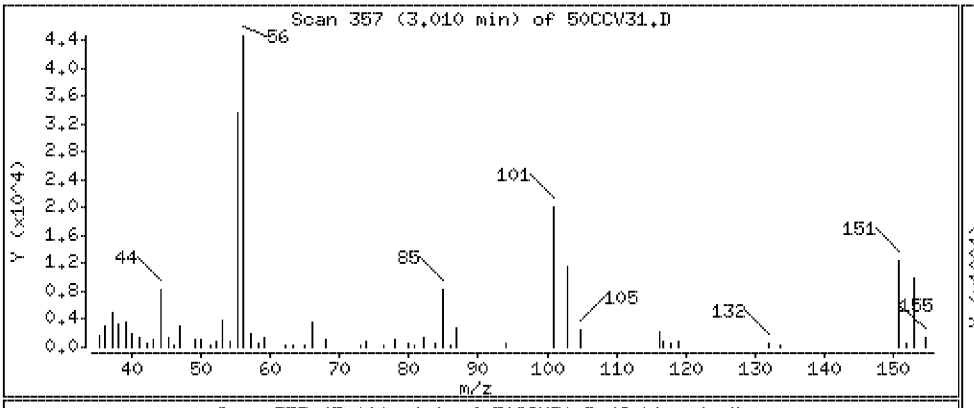
Client ID: 061507CCVA31 Instrument: vms03.i

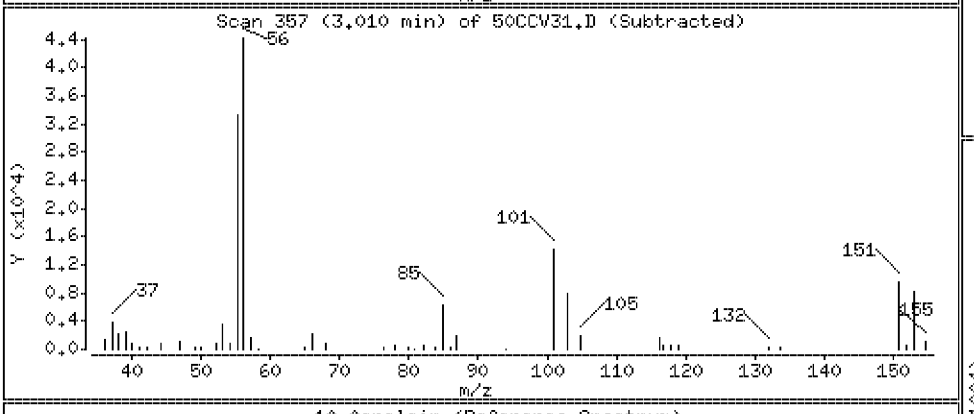
Sample Info: 061507CCVA31

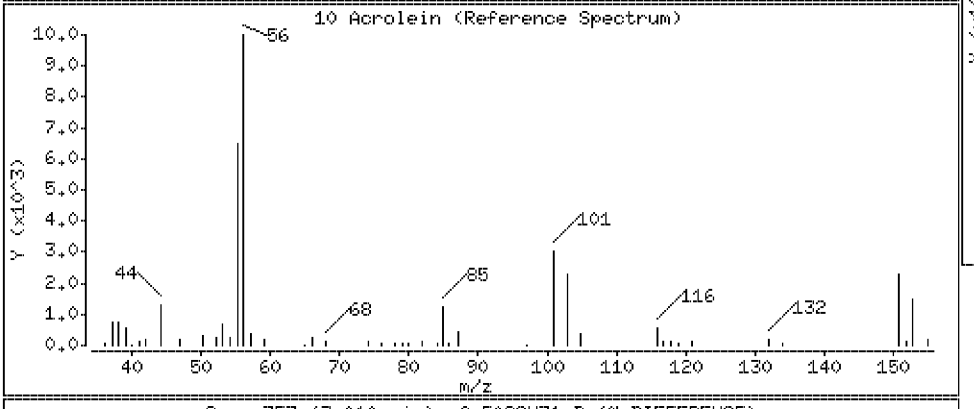
Purge Volume: 5.0 Operator:

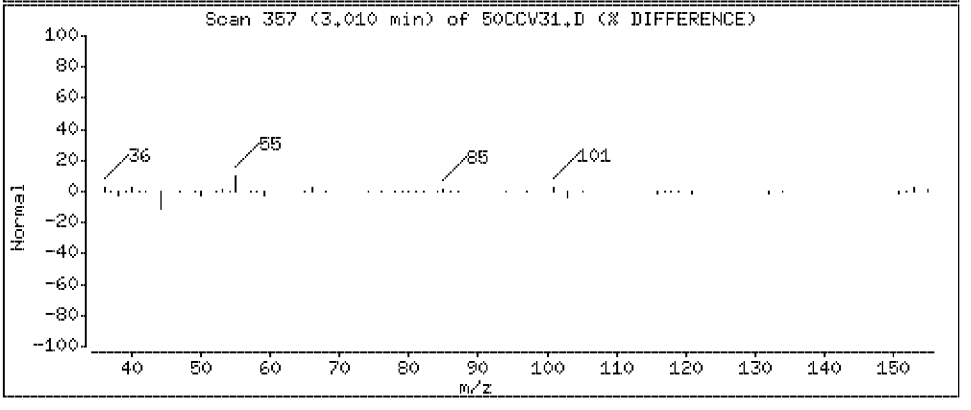
Column phase: DB-624 Column diameter: 0.18

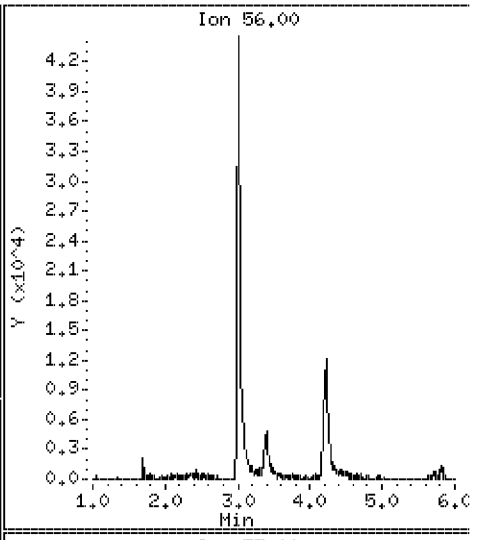
10 Acrolein Concentration: 101 ug/l

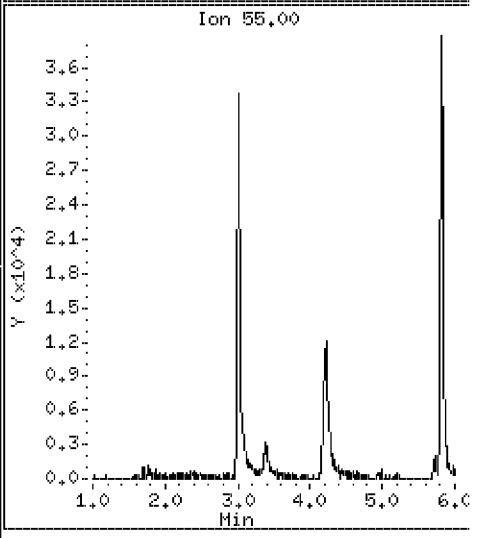












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

Client ID: 061507CCVA31

Instrument: vms03.i

Sample Info: 061507CCVA31

Purge Volume: 5.0

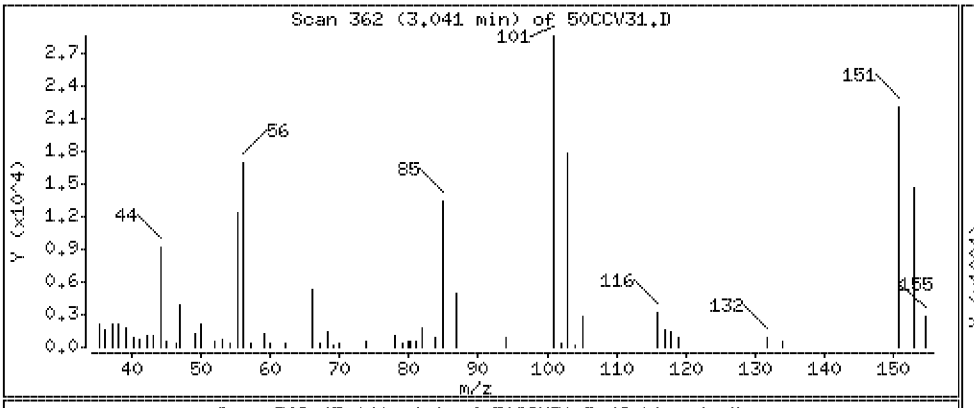
Operator:

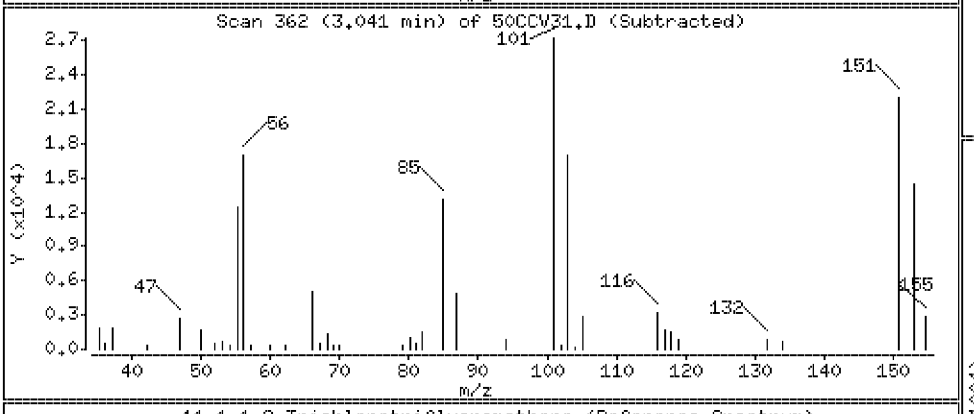
Column phase: DB-624

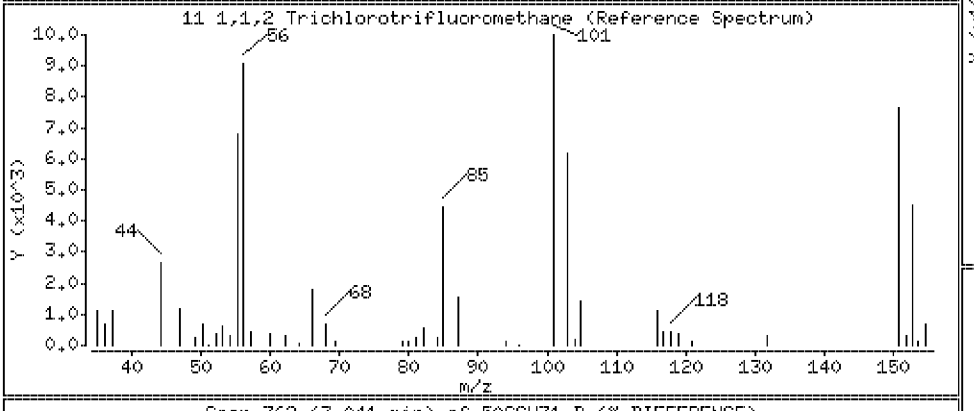
Column diameter: 0.18

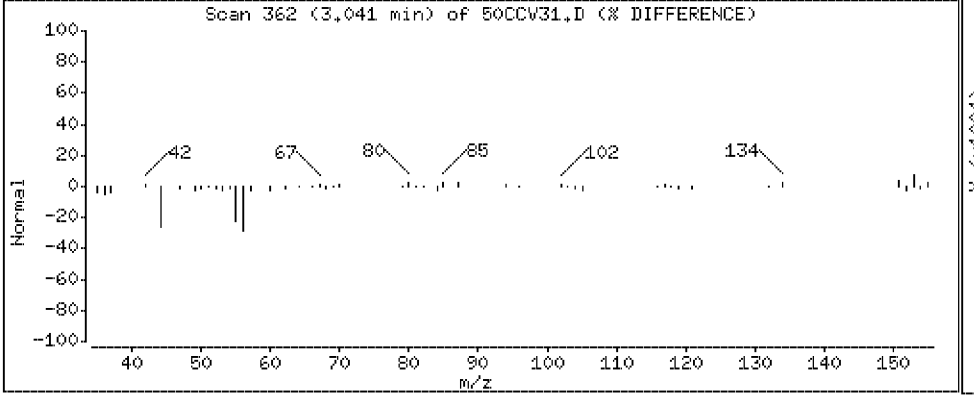
11 1,1,2 Trichlorotrifluoromethane

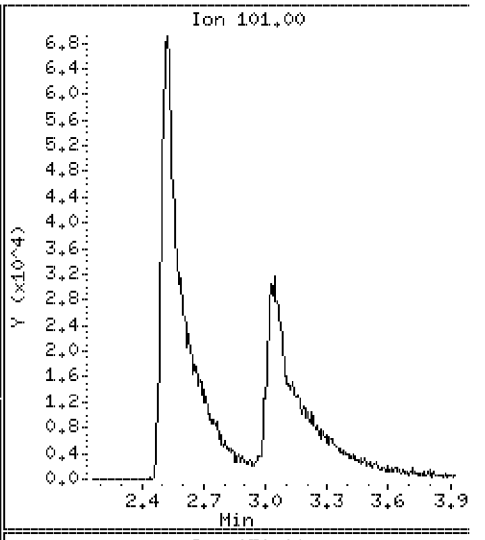
Concentration: 51.1 ug/l

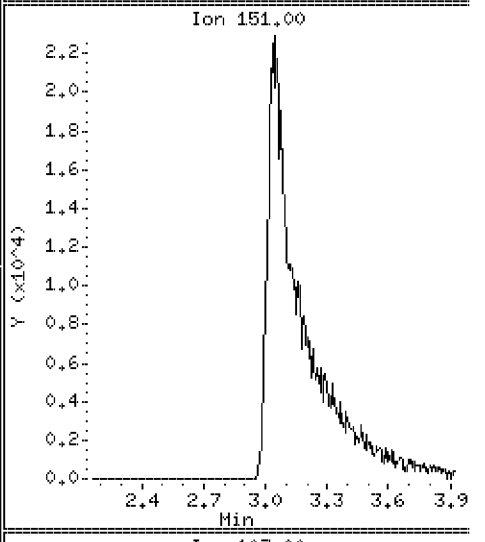


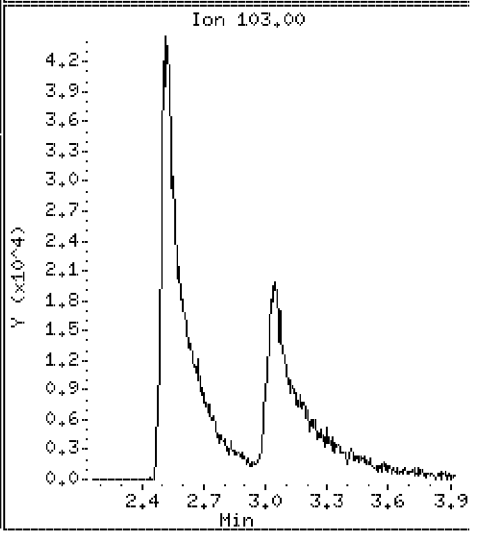












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

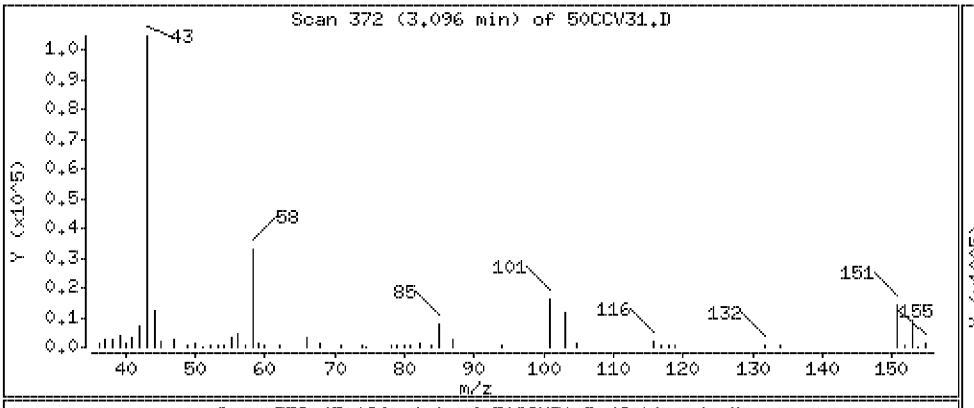
Client ID: 061507CCVA31 Instrument: vms03.i

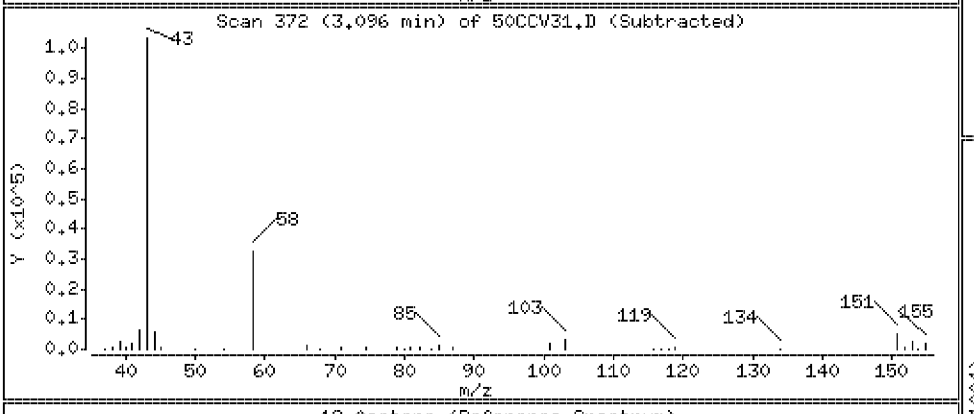
Sample Info: 061507CCVA31

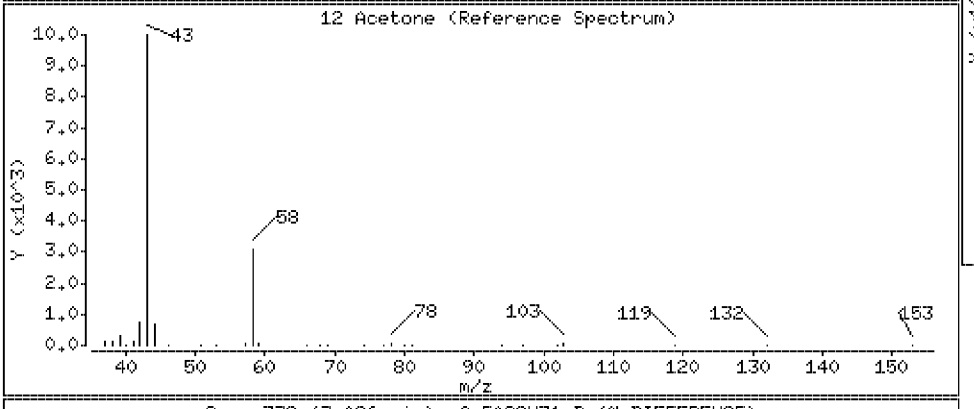
Purge Volume: 5.0 Operator:

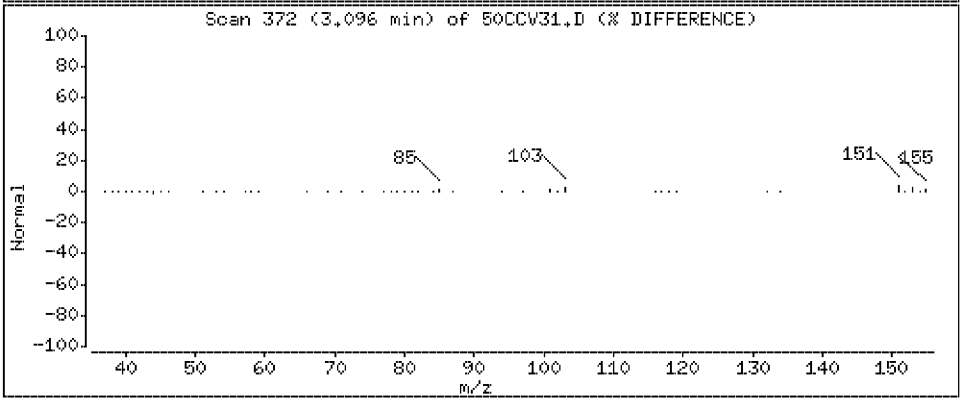
Column phase: DB-624 Column diameter: 0.18

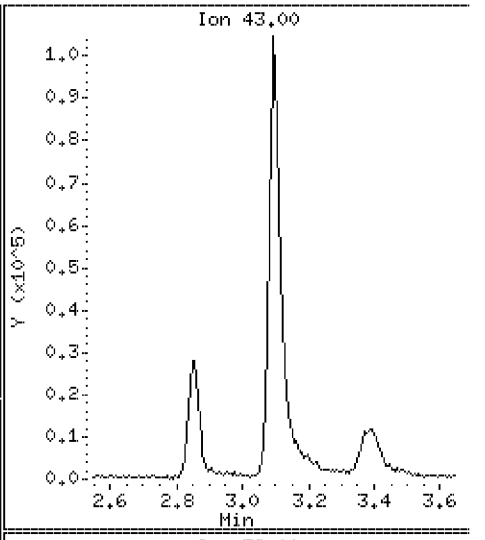
12 Acetone Concentration: 106 ug/l

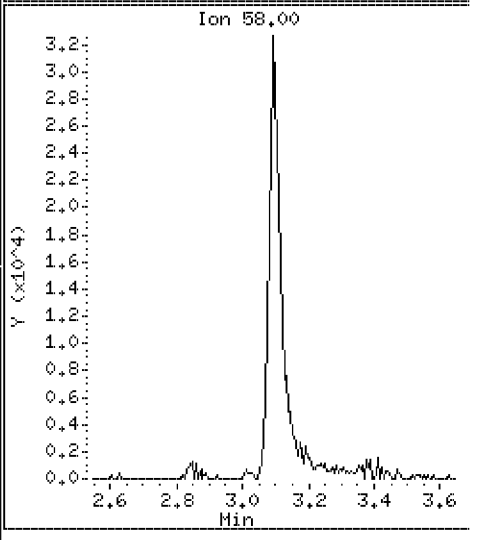












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

Client ID: 061507CCVA31

Instrument: vms03.i

Sample Info: 061507CCVA31

Purge Volume: 5.0

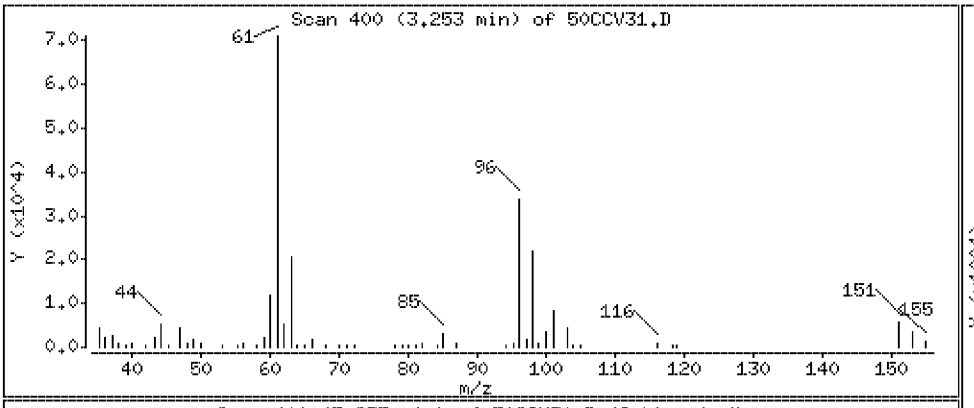
Operator:

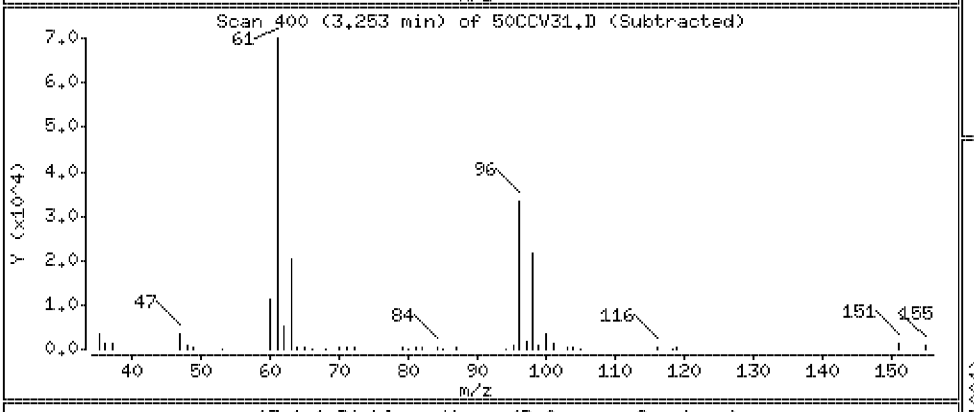
Column phase: DB-624

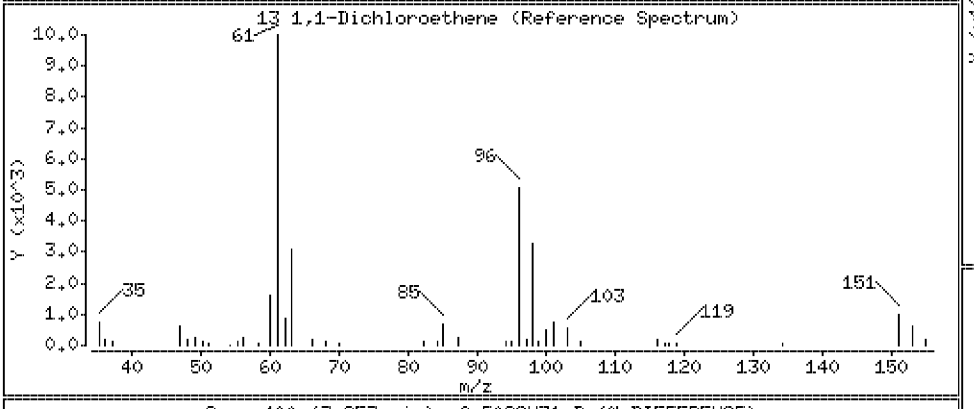
Column diameter: 0.18

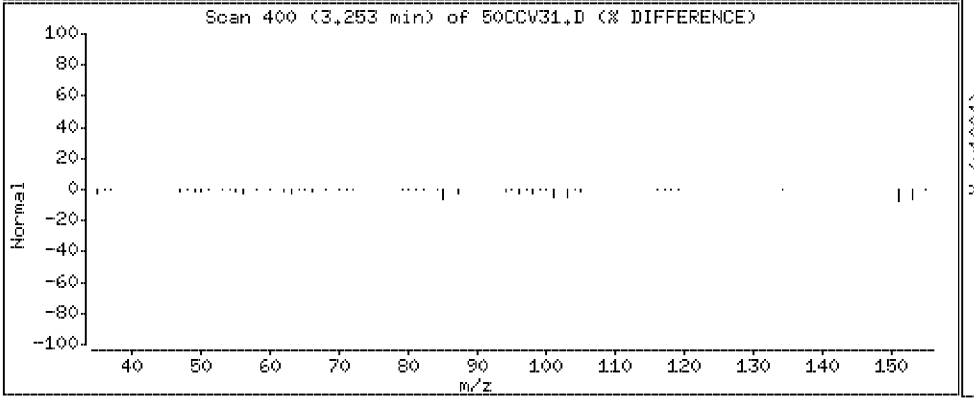
13 1,1-Dichloroethene

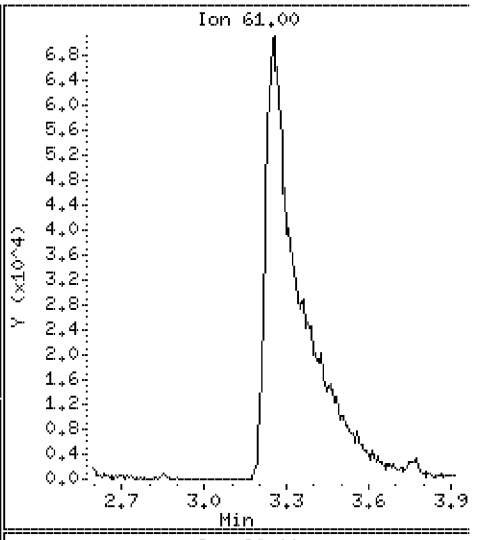
Concentration: 50.0 ug/l

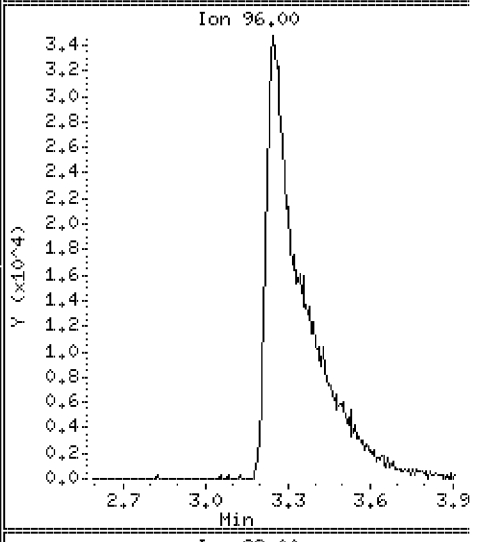


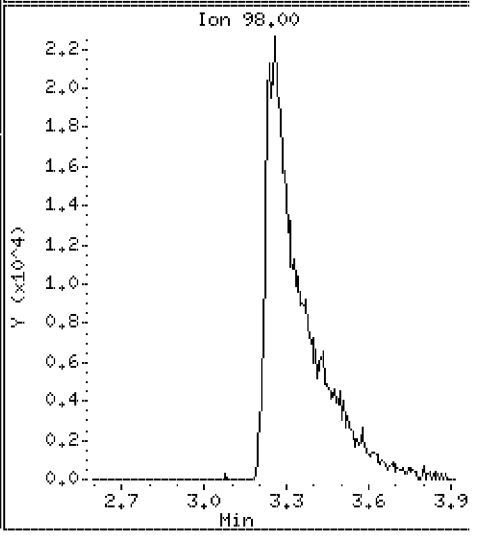












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Date : 15-JUN-2007 10:18

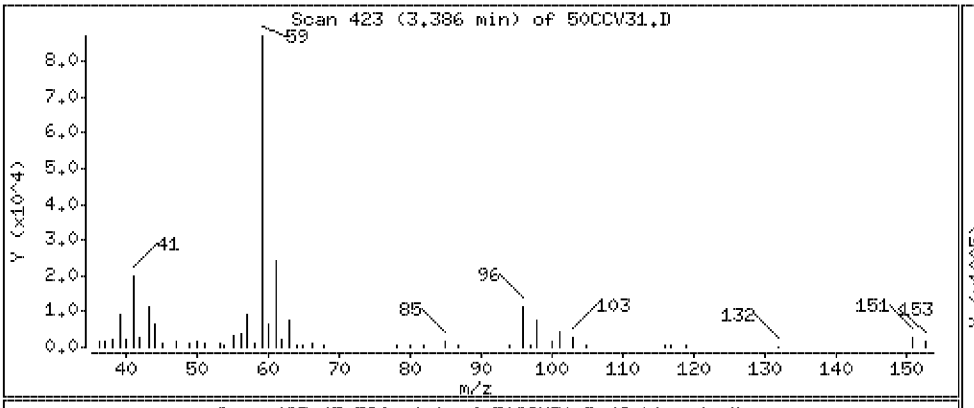
Client ID: 061507CCVA31 Instrument: vms03.i

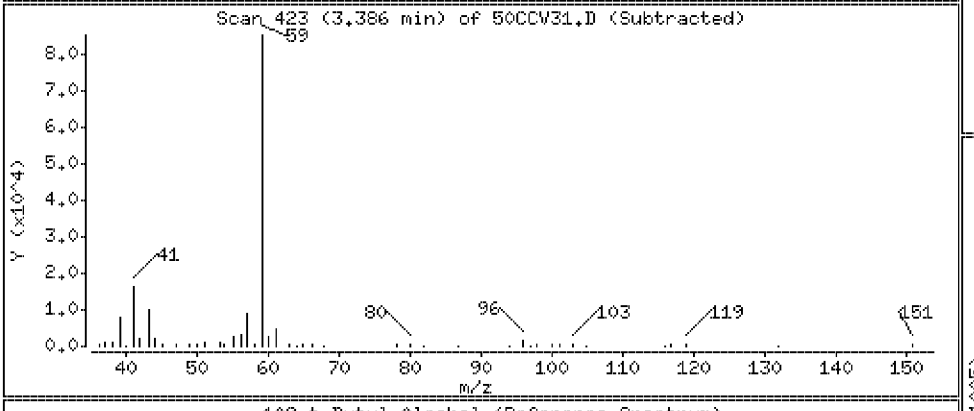
Sample Info: 061507CCVA31

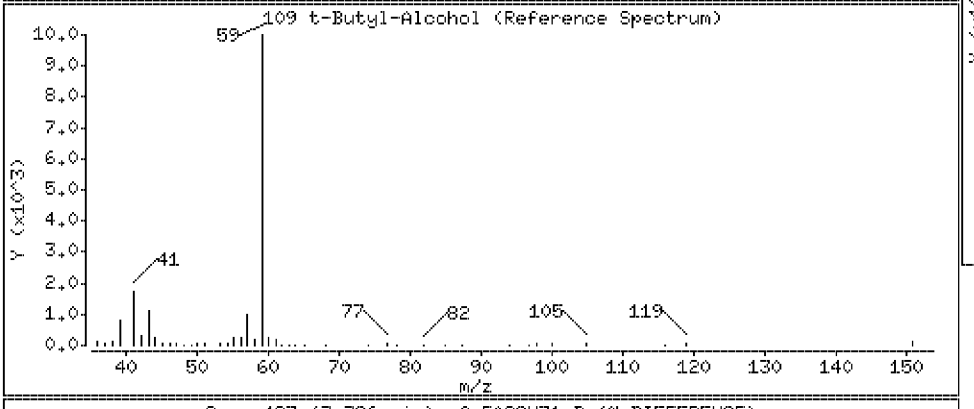
Purge Volume: 5.0 Operator:

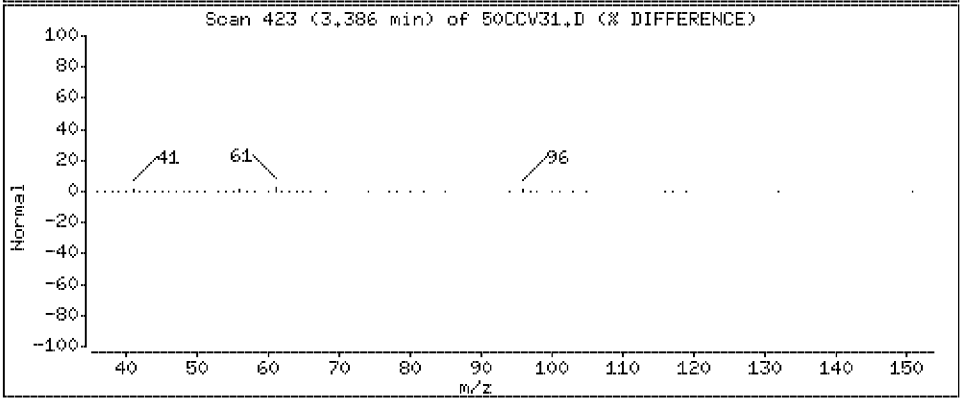
Column phase: DB-624 Column diameter: 0.18

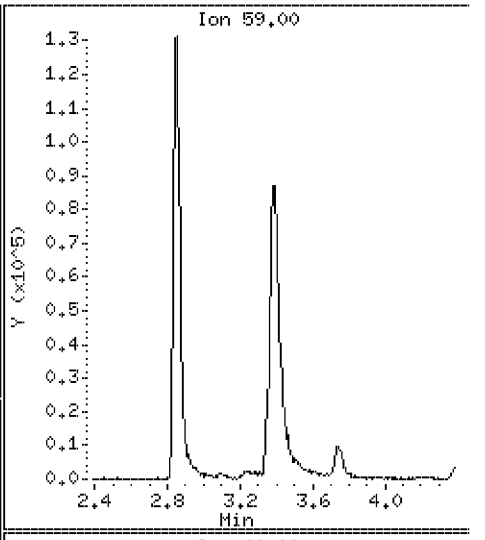
109 t-Butyl-Alcohol Concentration: 504 ug/l

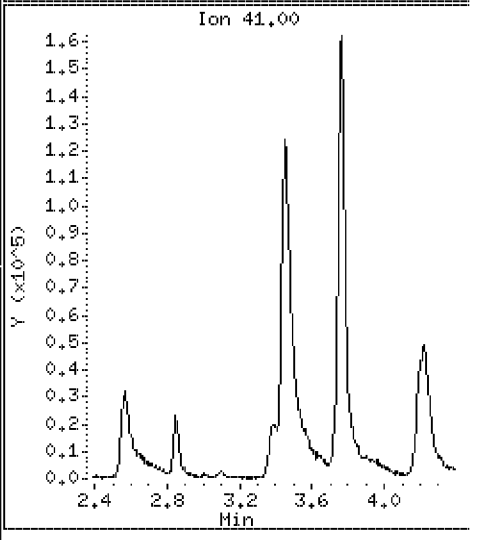












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

Client ID: 061507CCVA31

Instrument: vms03.i

Sample Info: 061507CCVA31

Purge Volume: 5.0

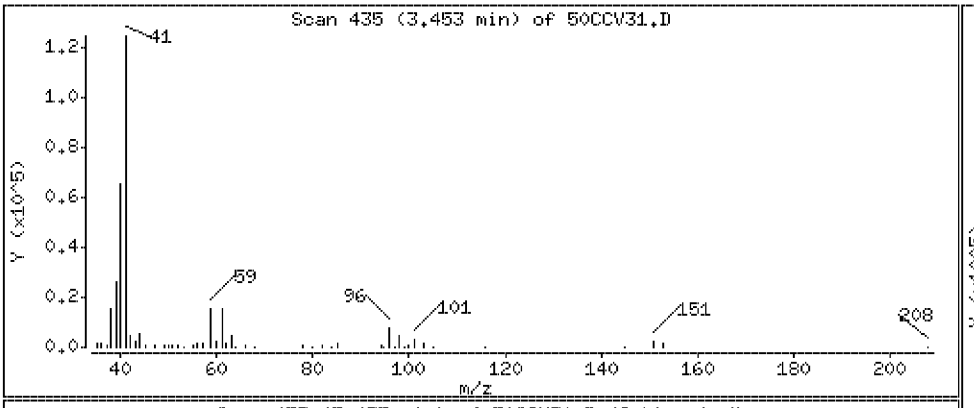
Operator:

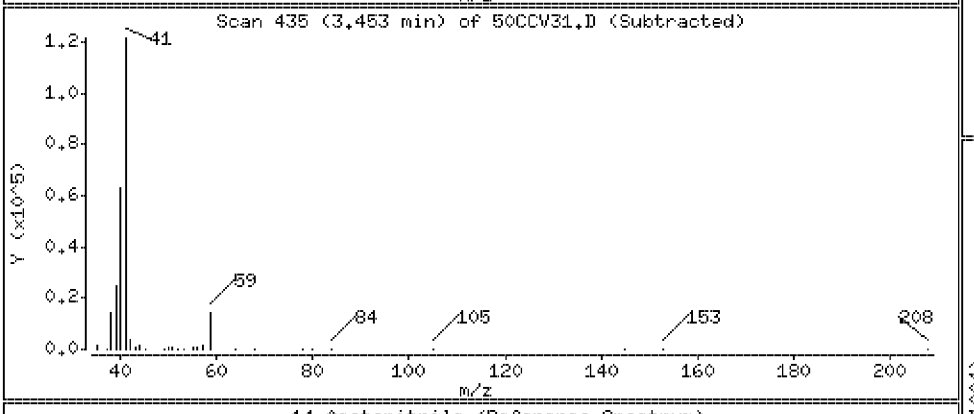
Column phase: DB-624

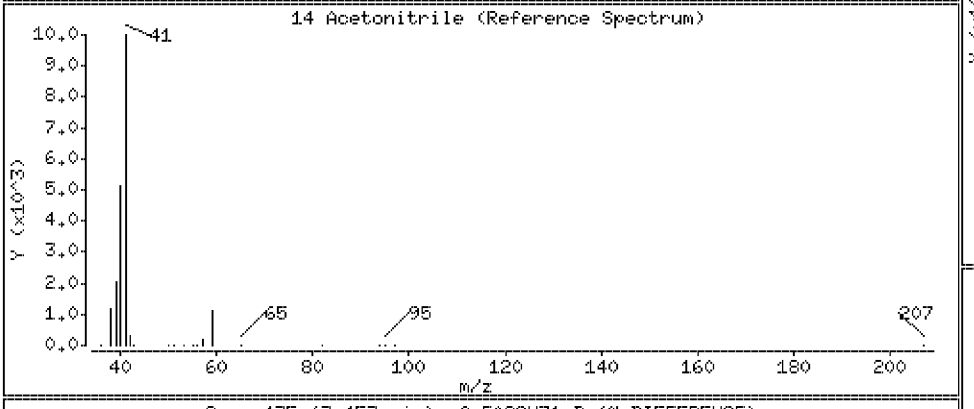
Column diameter: 0.18

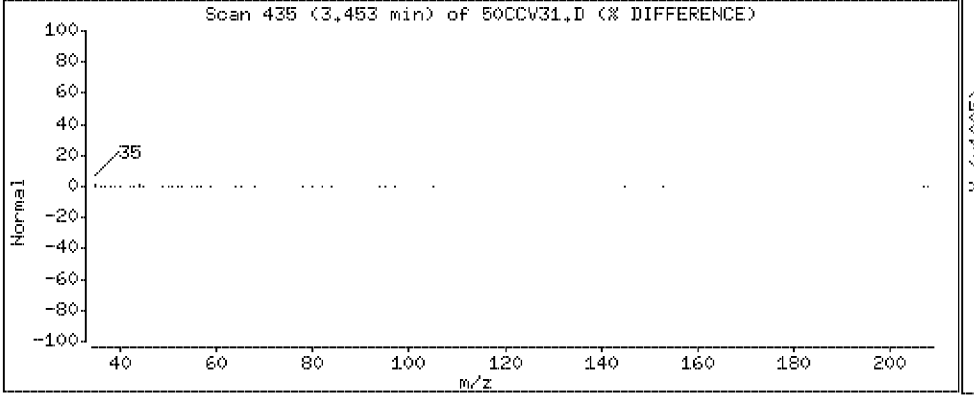
14 Acetonitrile

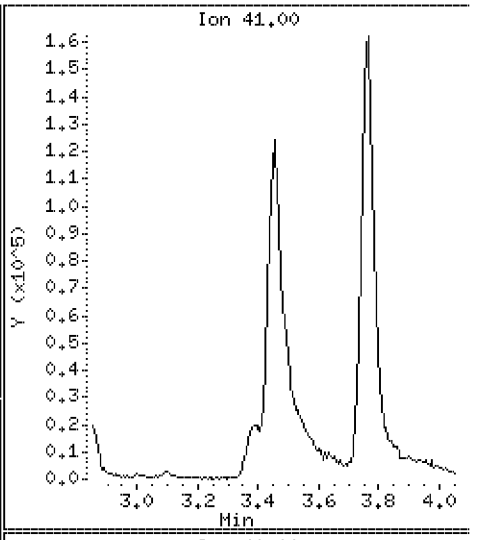
Concentration: 455 ug/l

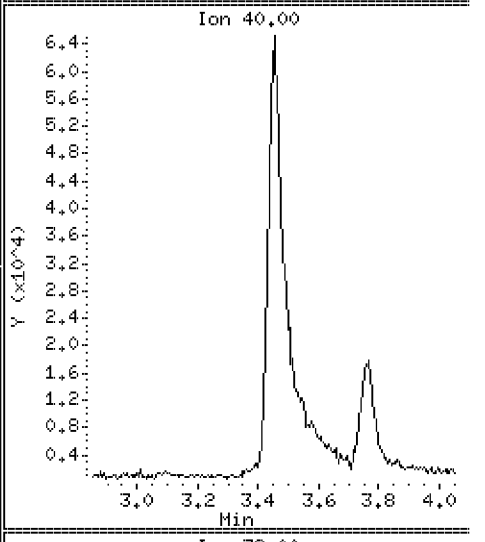


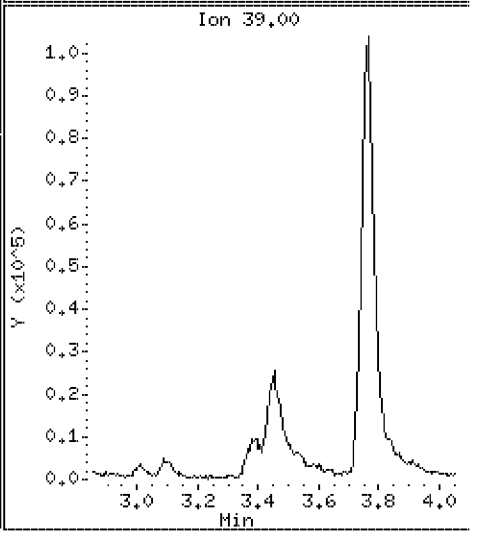












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

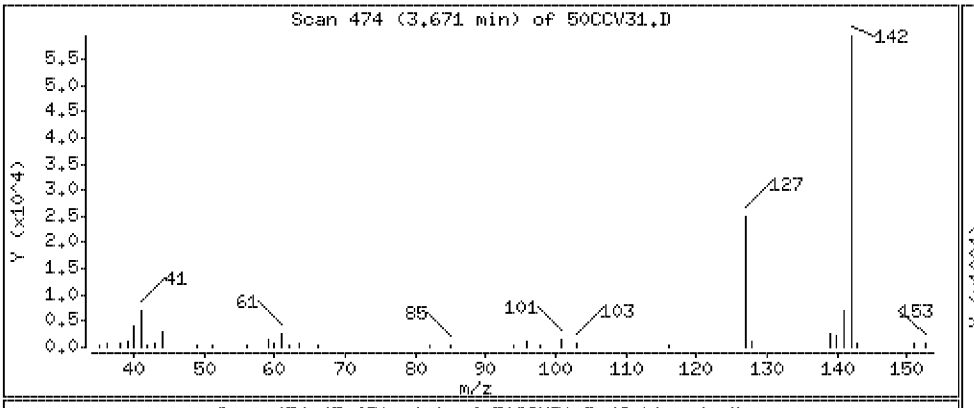
Client ID: 061507CCVA31 Instrument: vms03.i

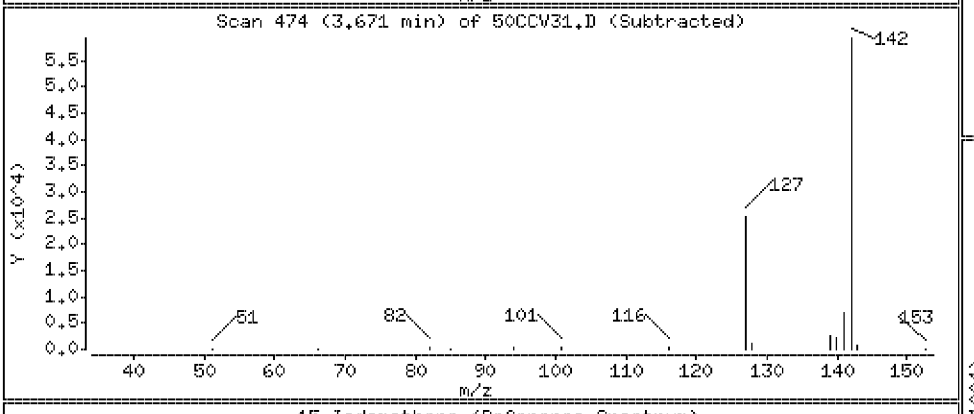
Sample Info: 061507CCVA31

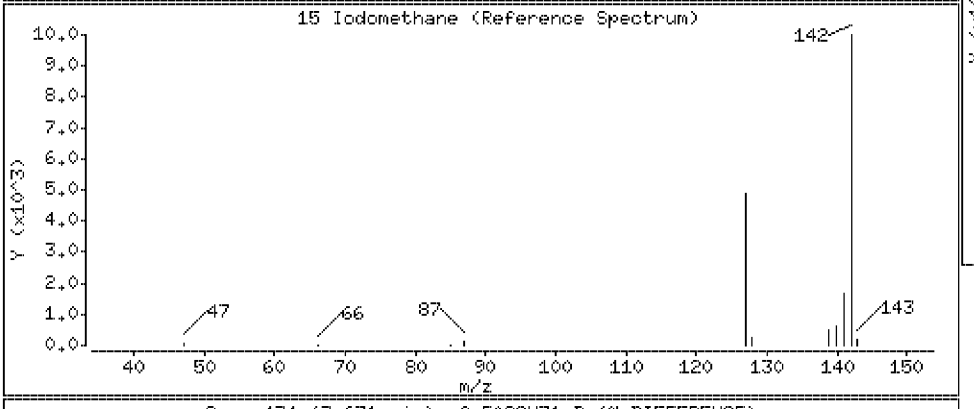
Purge Volume: 5.0 Operator:

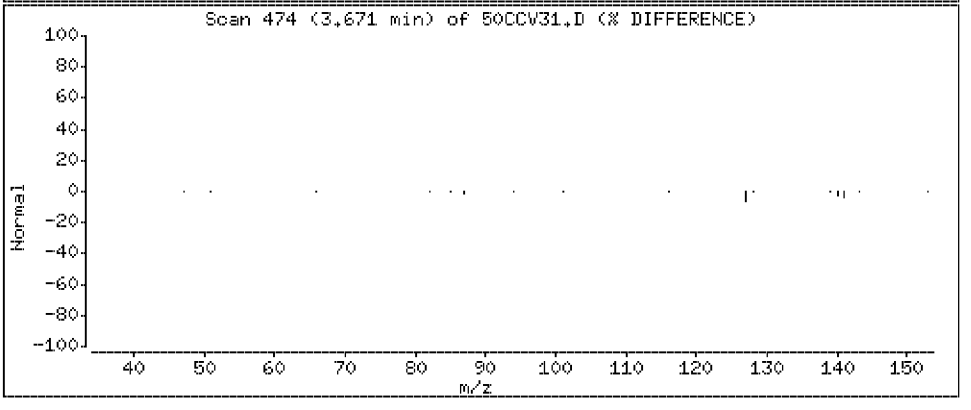
Column phase: DB-624 Column diameter: 0.18

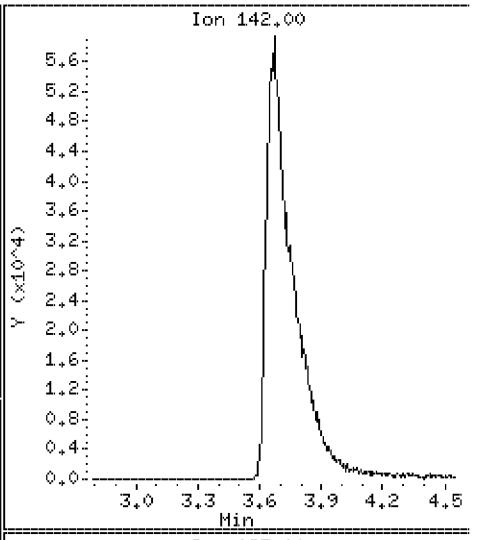
15 Iodomethane Concentration: 55.1 ug/l

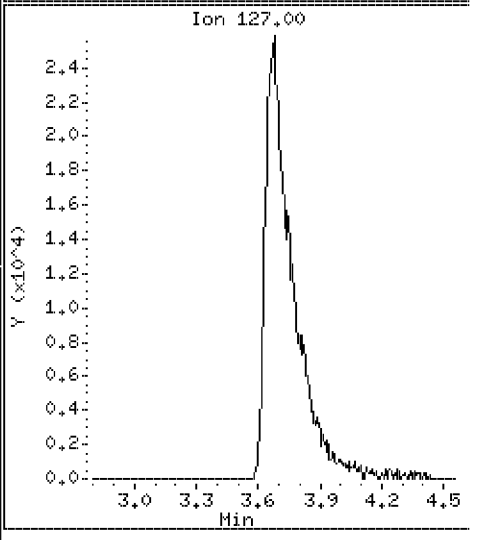












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

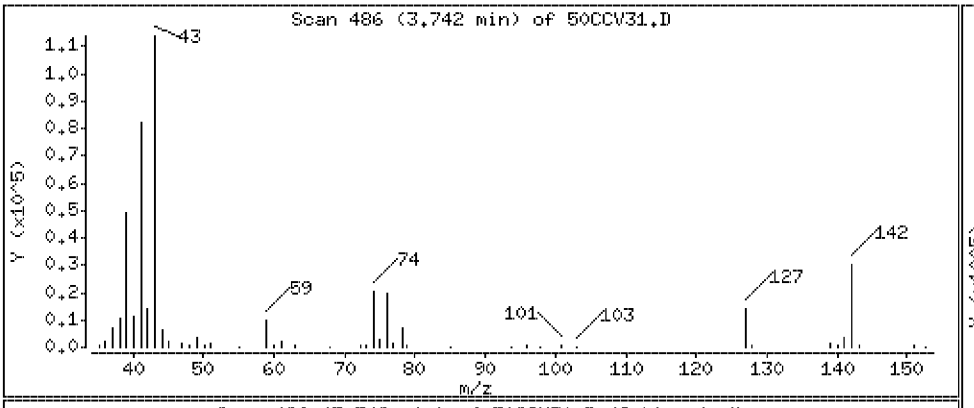
Client ID: 061507CCVA31 Instrument: vms03.i

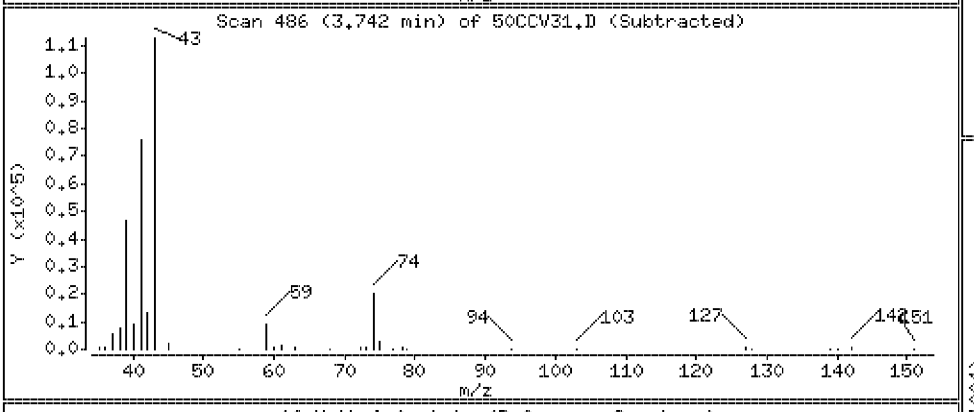
Sample Info: 061507CCVA31

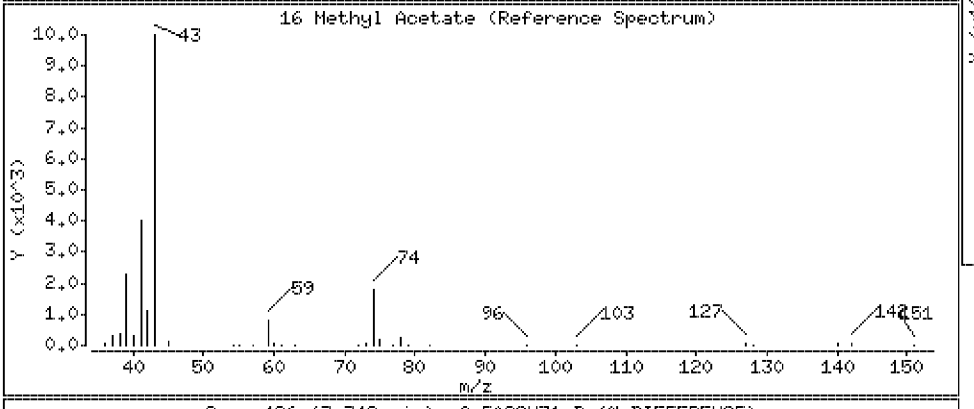
Purge Volume: 5.0 Operator:

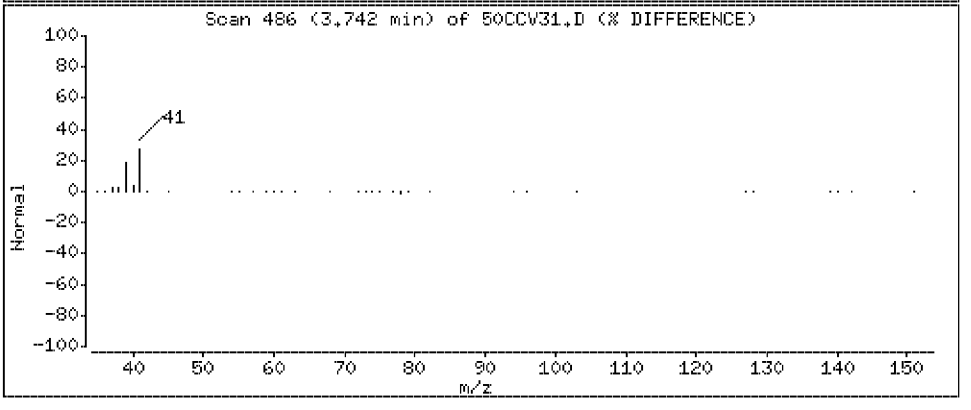
Column phase: DB-624 Column diameter: 0.18

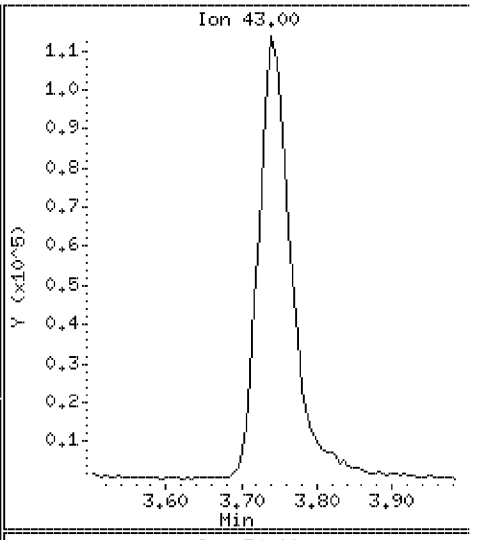
16 Methyl Acetate Concentration: 48.3 ug/l

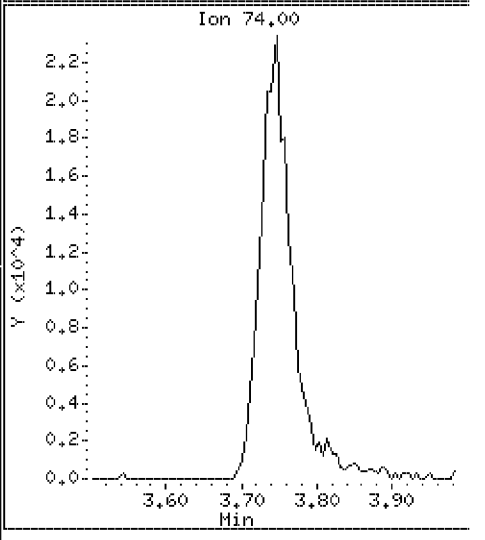












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

Client ID: 061507CCVA31

Instrument: vms03.i

Sample Info: 061507CCVA31

Purge Volume: 5.0

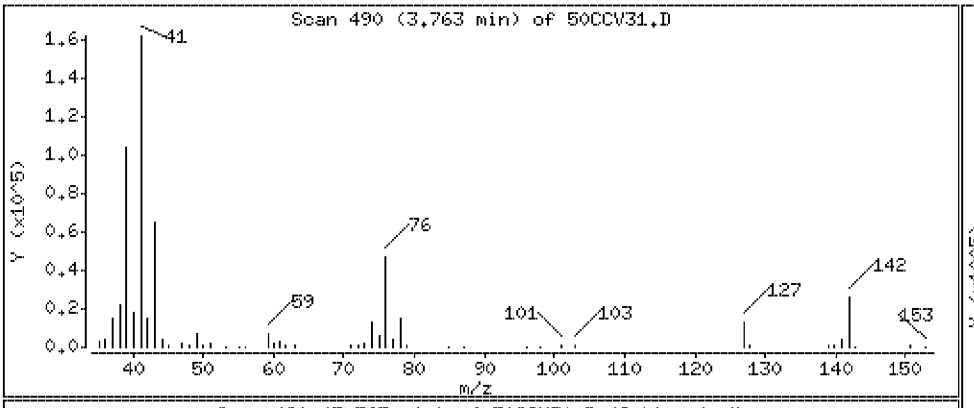
Operator:

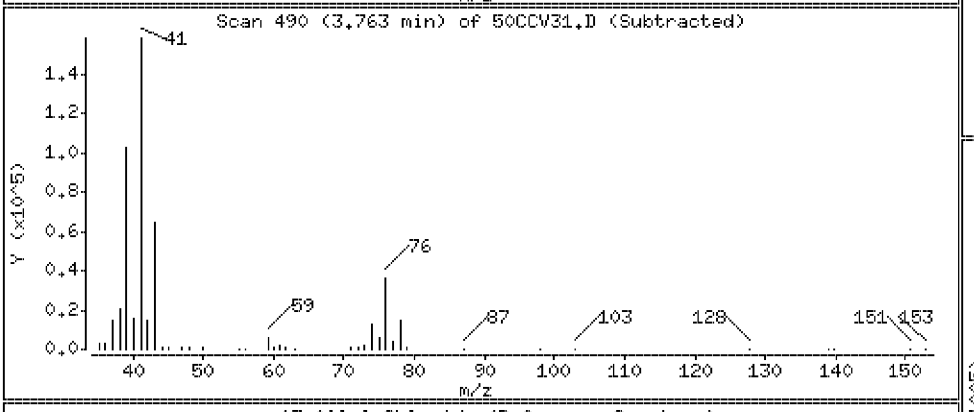
Column phase: DB-624

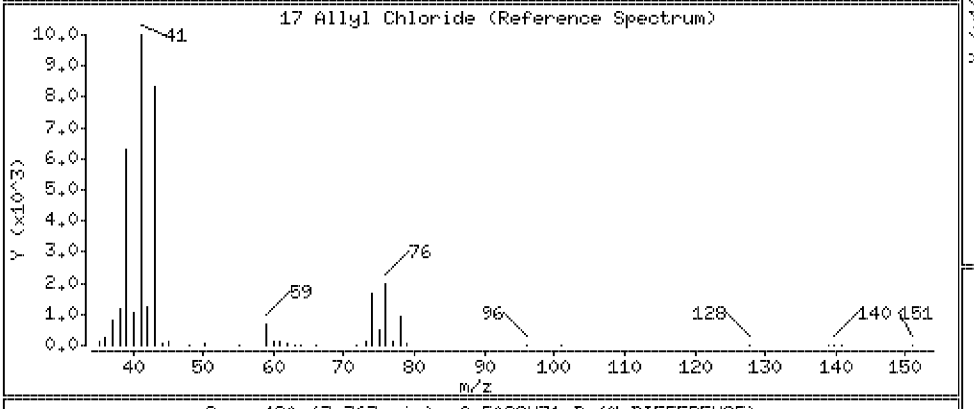
Column diameter: 0.18

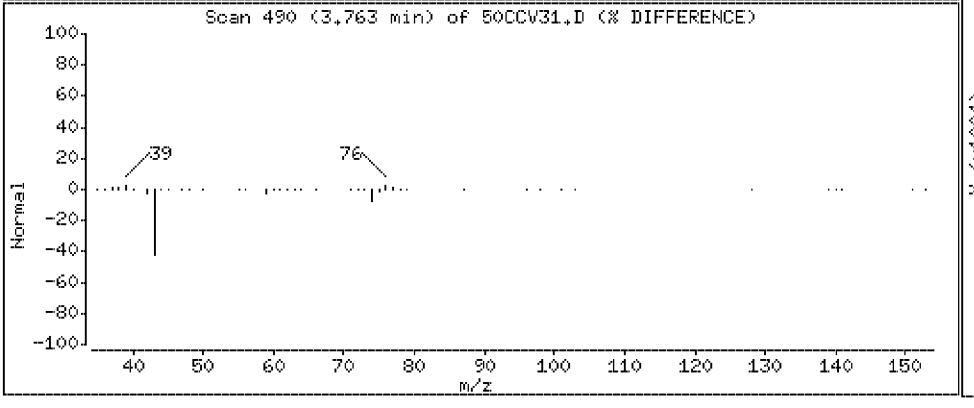
17 Allyl Chloride

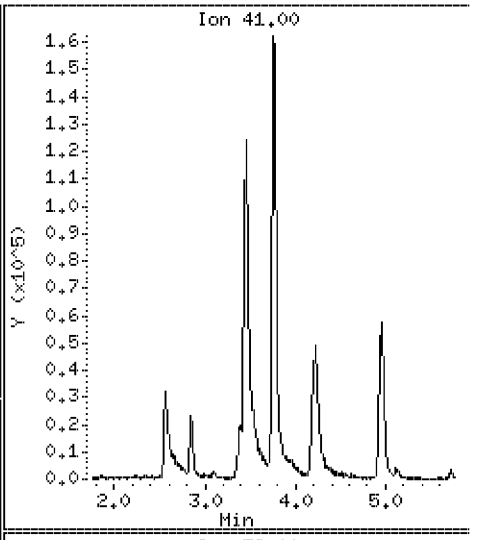
Concentration: 51.2 ug/l

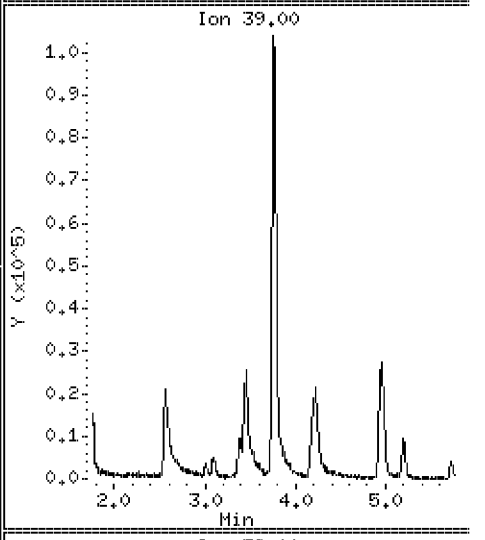


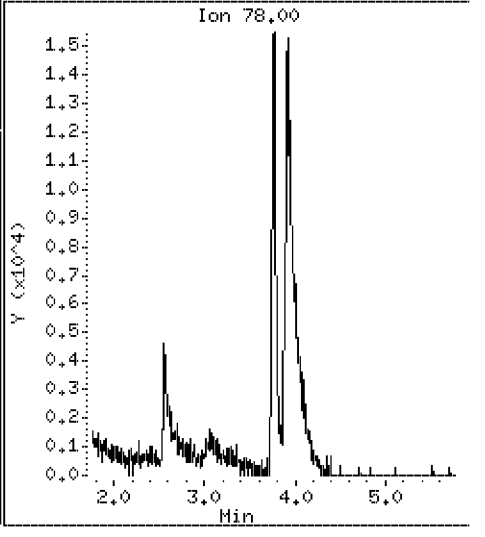












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

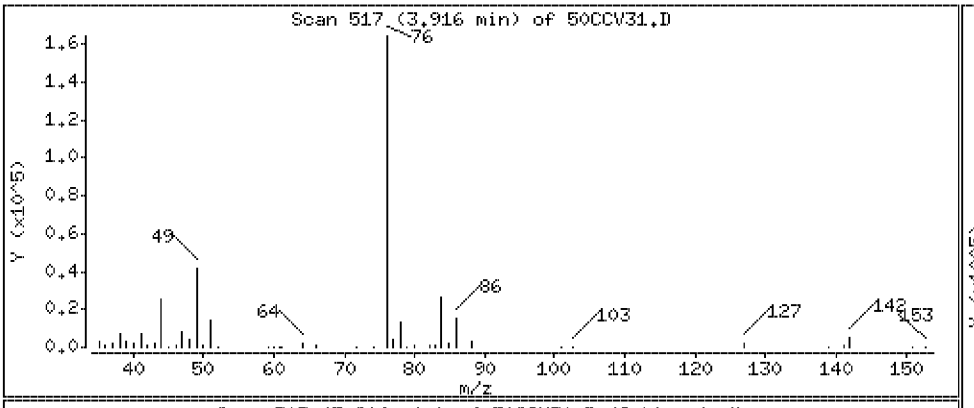
Client ID: 061507CCVA31 Instrument: vms03.i

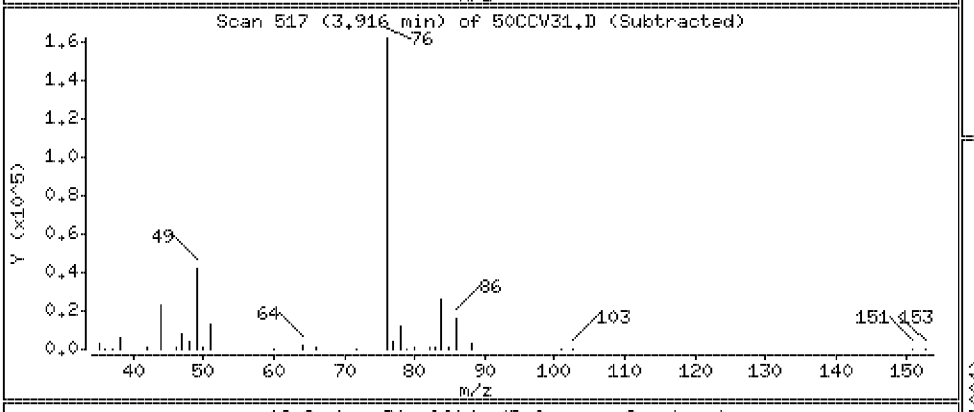
Sample Info: 061507CCVA31

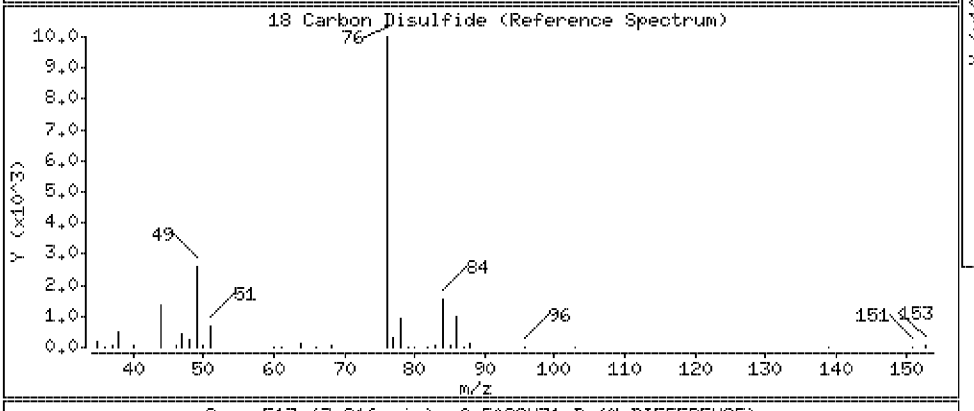
Purge Volume: 5.0 Operator:

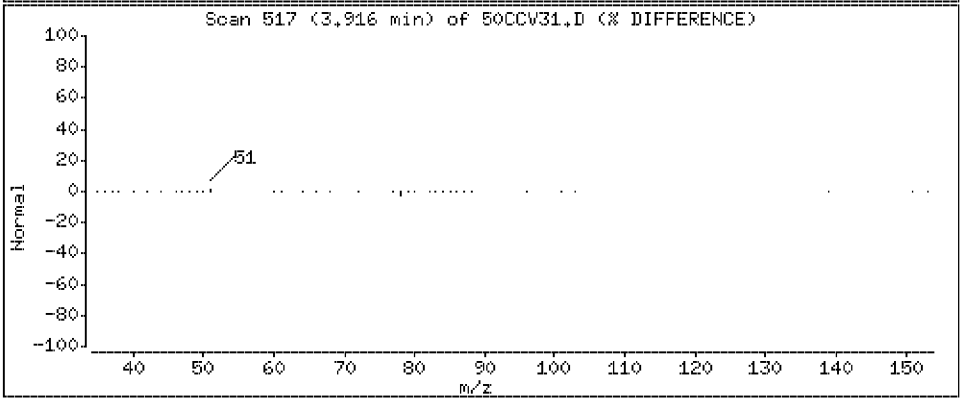
Column phase: DB-624 Column diameter: 0.18

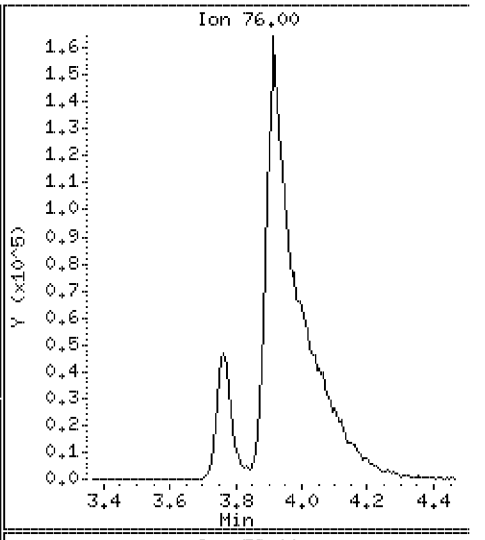
18 Carbon Disulfide Concentration: 49.5 ug/l

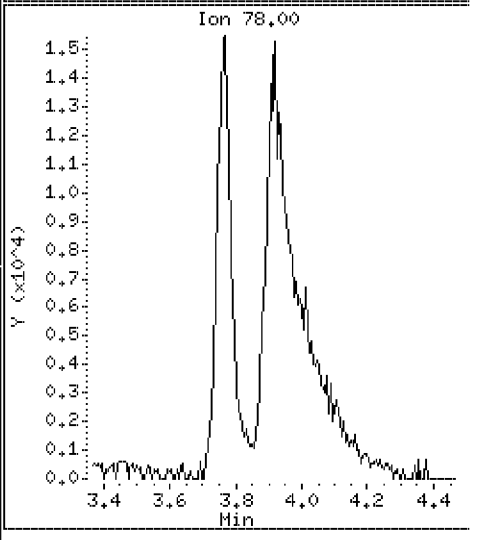












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

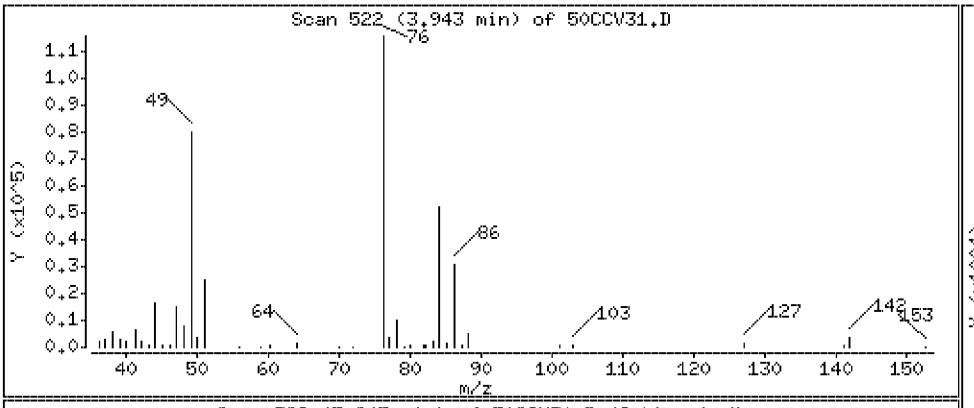
Client ID: 061507CCVA31 Instrument: vms03.i

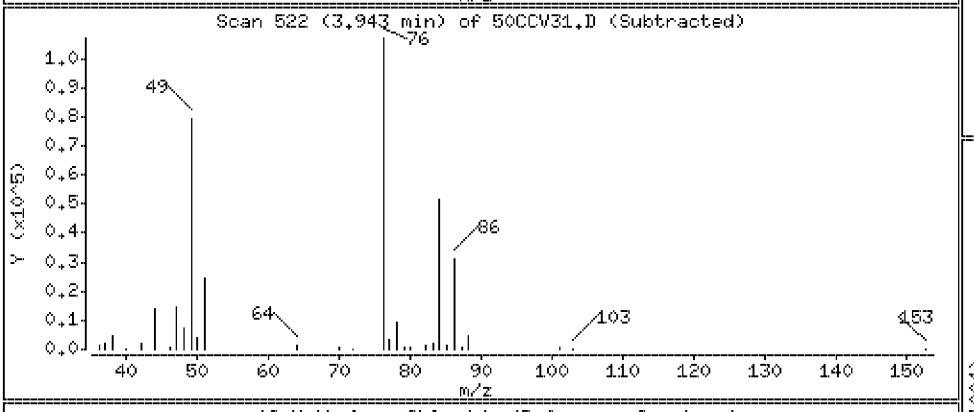
Sample Info: 061507CCVA31

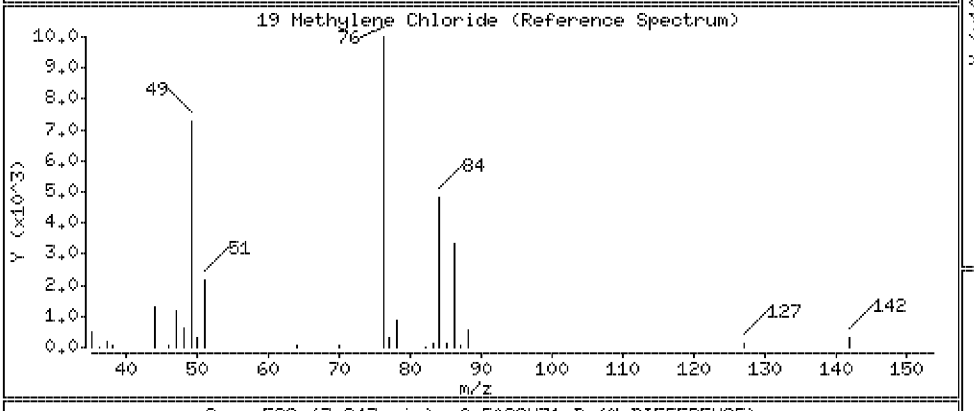
Purge Volume: 5.0 Operator:

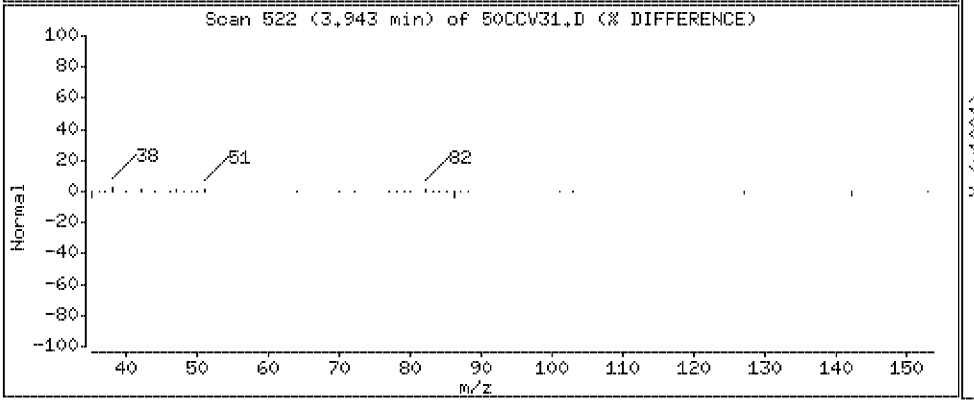
Column phase: DB-624 Column diameter: 0.18

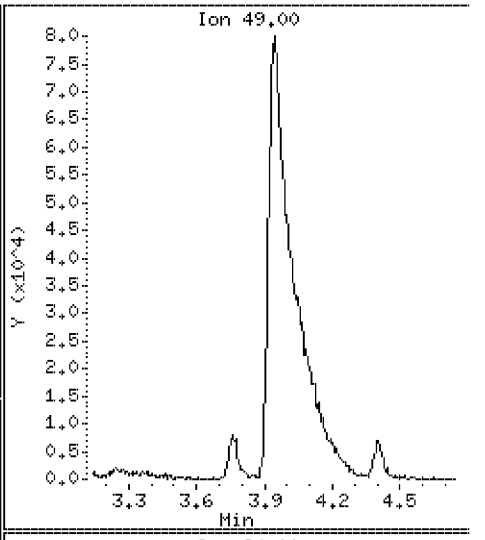
19 Methylene Chloride Concentration: 48.2 ug/l

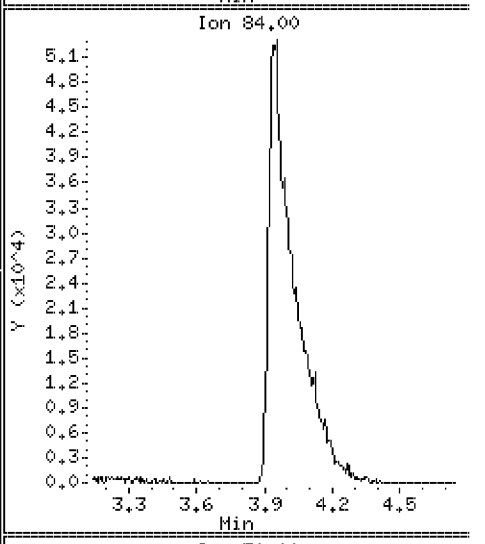


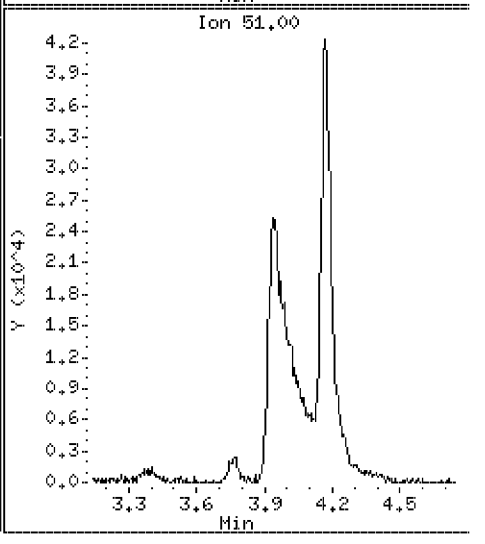












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

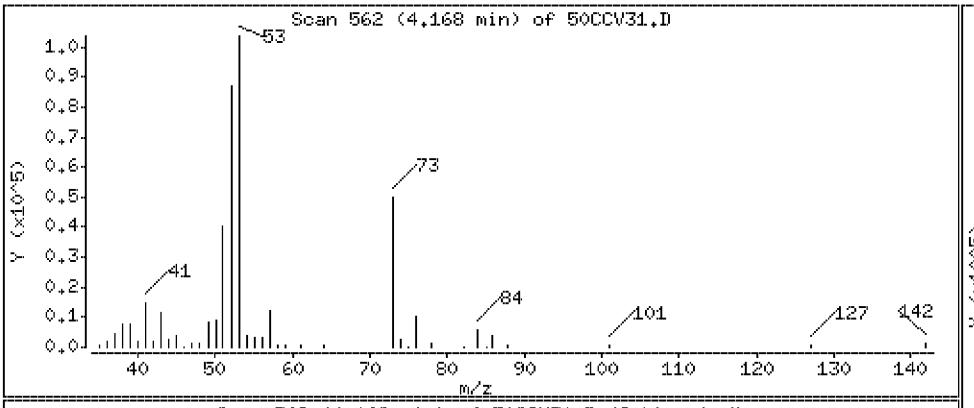
Client ID: 061507CCVA31 Instrument: vms03.i

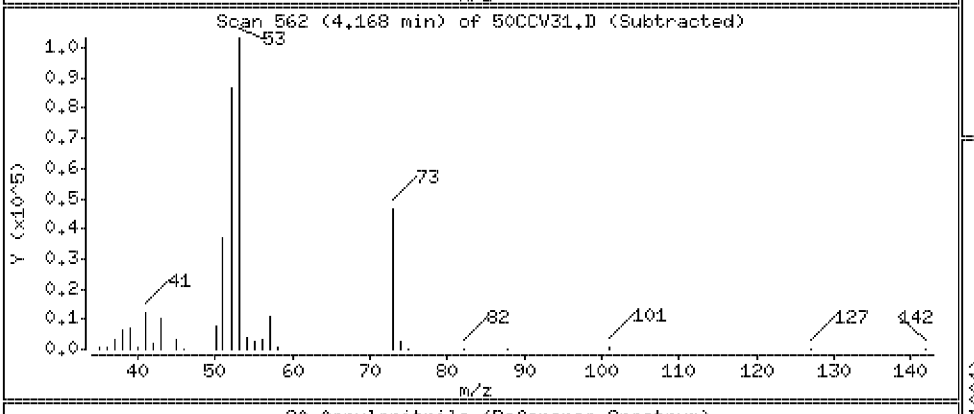
Sample Info: 061507CCVA31

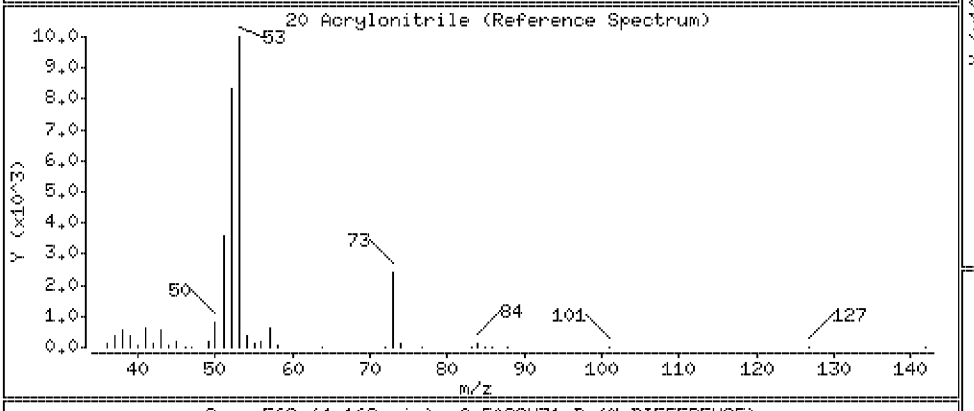
Purge Volume: 5.0 Operator:

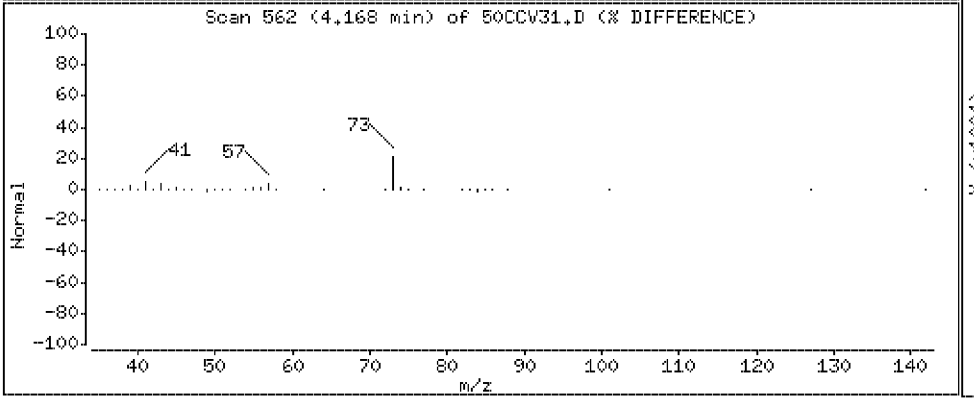
Column phase: DB-624 Column diameter: 0.18

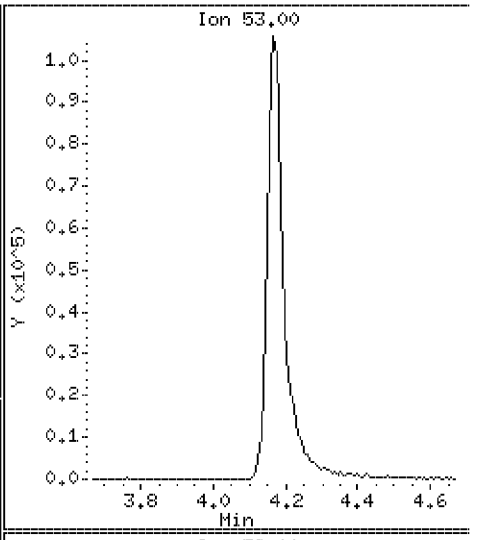
20 Acrylonitrile Concentration: 105 ug/l

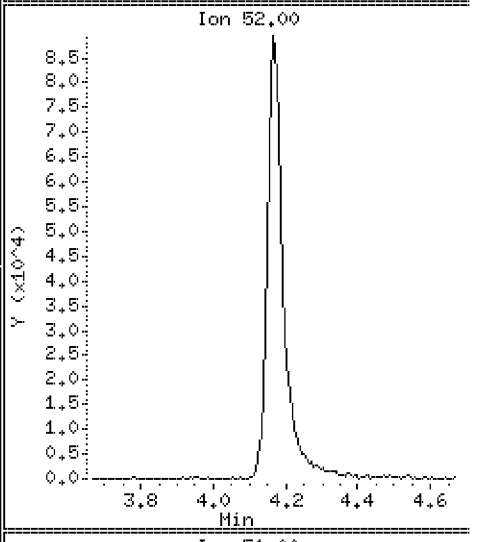


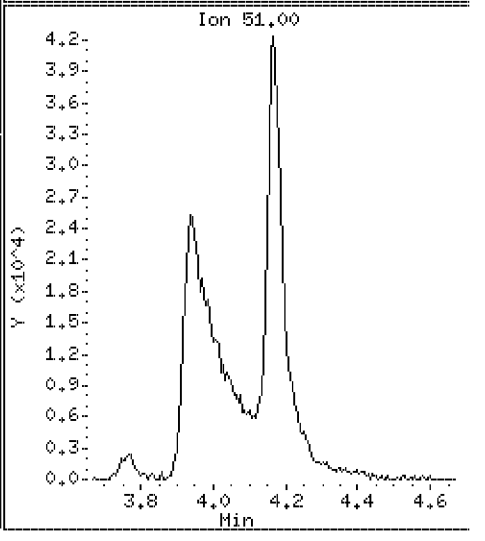












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

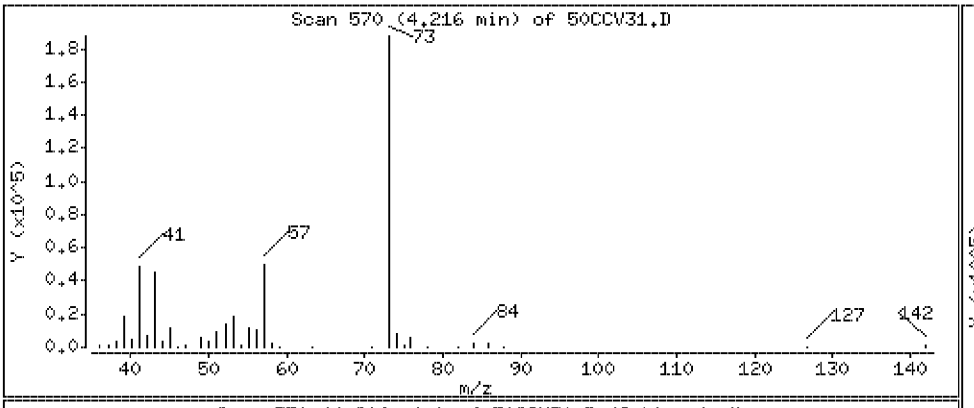
Client ID: 061507CCVA31 Instrument: vms03.i

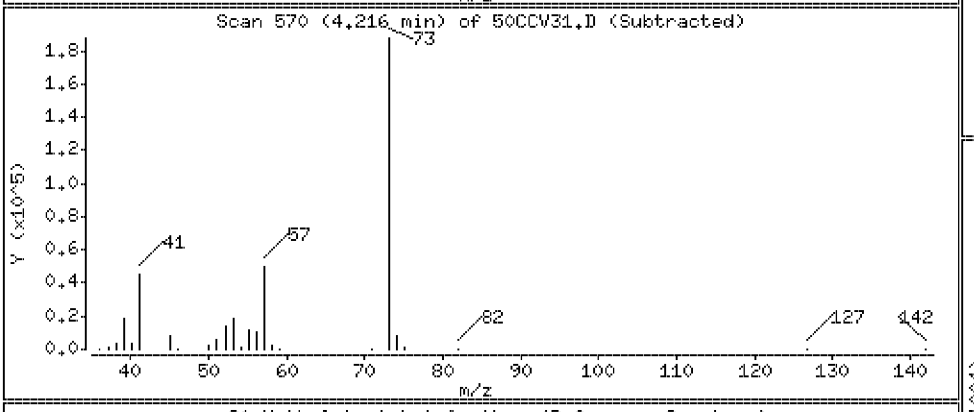
Sample Info: 061507CCVA31

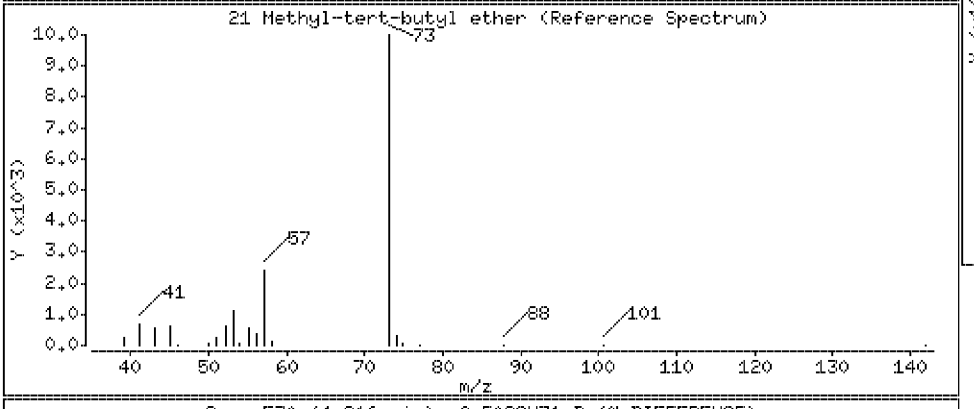
Purge Volume: 5.0 Operator:

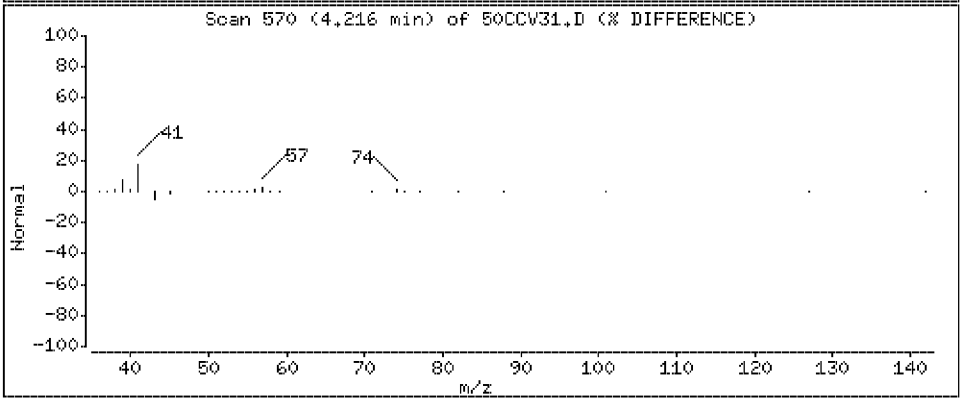
Column phase: DB-624 Column diameter: 0.18

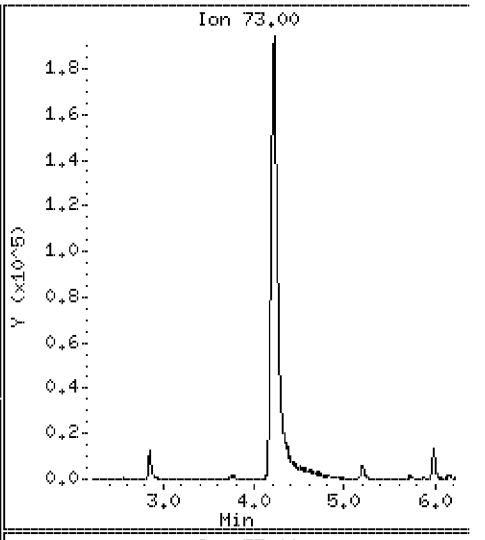
21 Methyl-tert-butyl ether Concentration: 53.9 ug/l

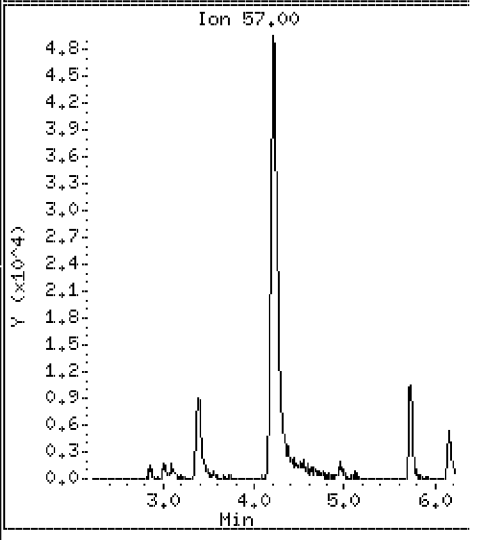












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

Client ID: 061507CCVA31

Instrument: vms03.i

Sample Info: 061507CCVA31

Purge Volume: 5.0

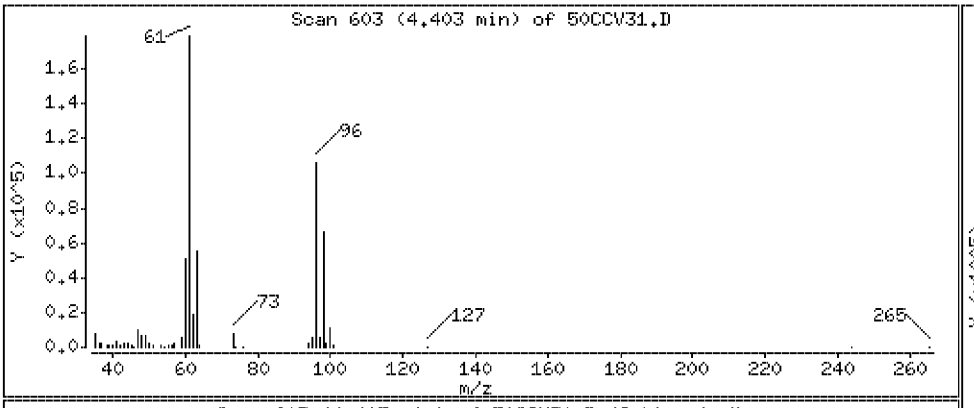
Operator:

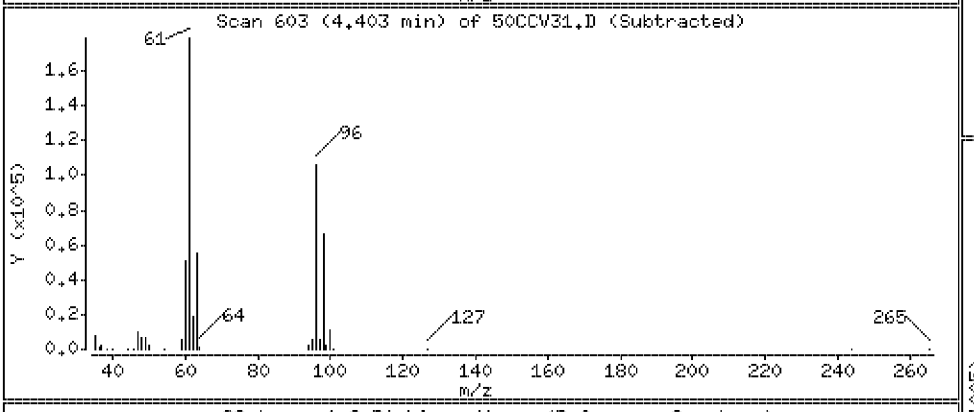
Column phase: DB-624

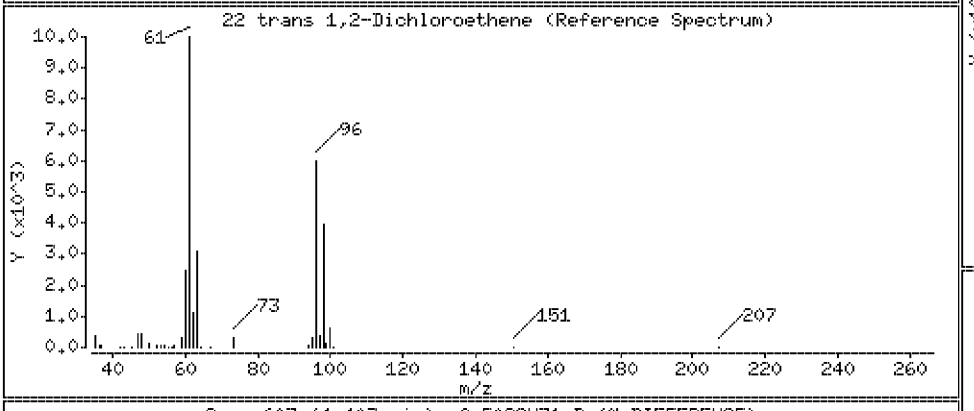
Column diameter: 0.18

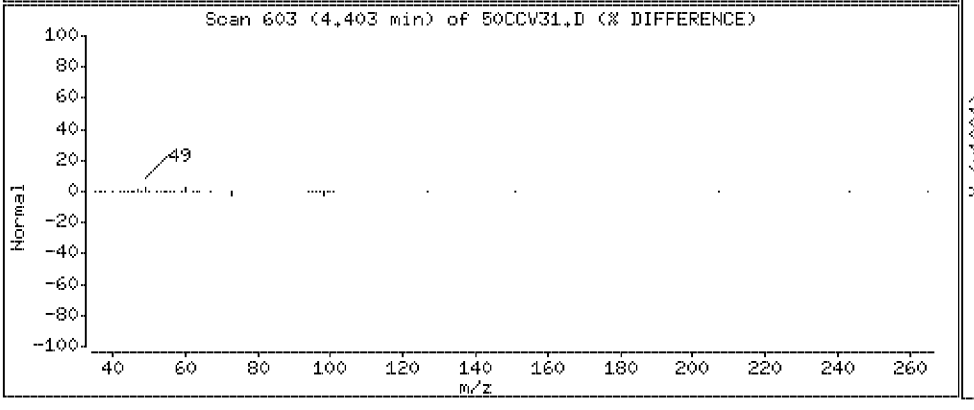
22 trans 1,2-Dichloroethene

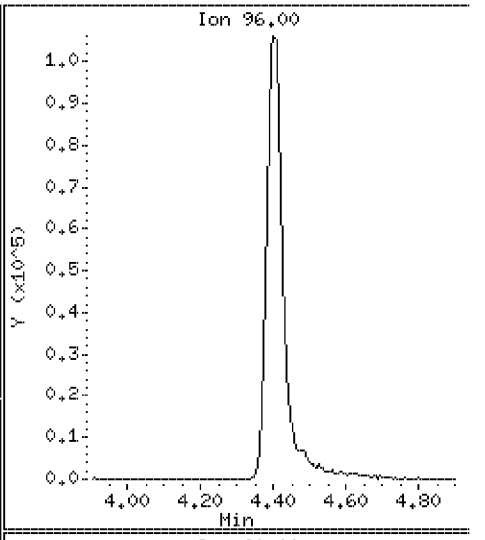
Concentration: 49.9 ug/l

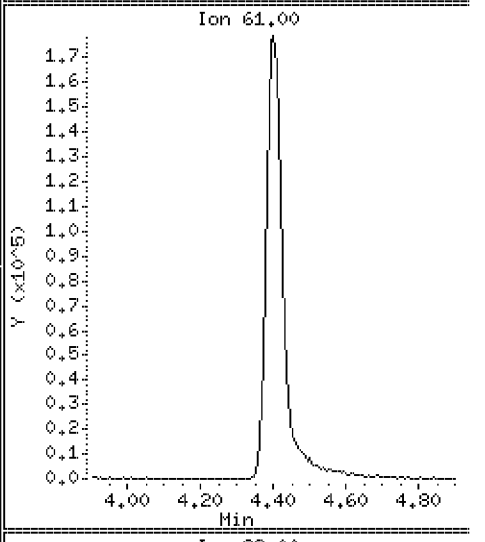


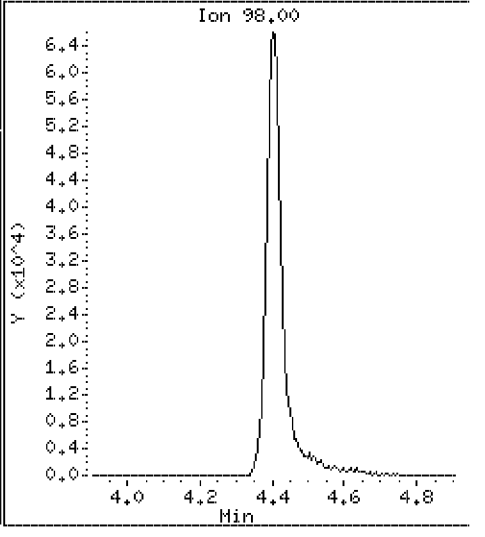












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

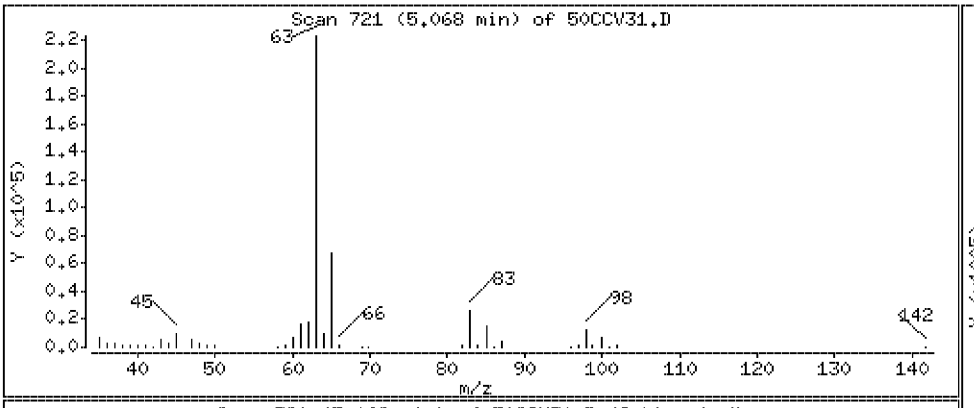
Client ID: 061507CCVA31 Instrument: vms03.i

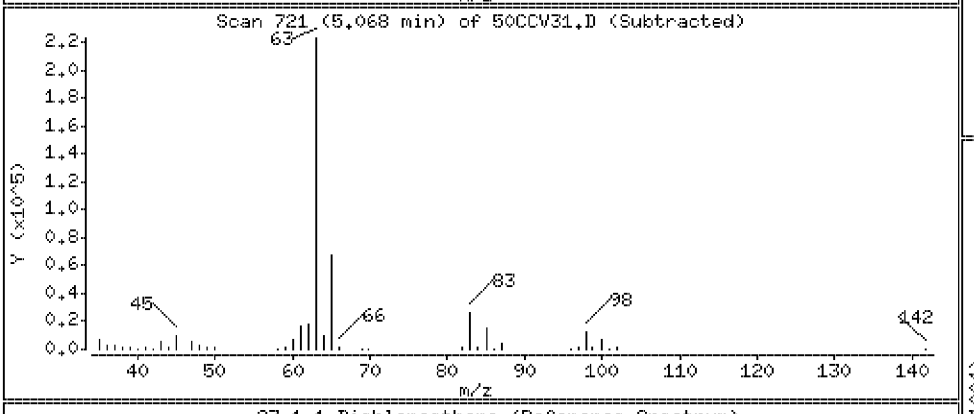
Sample Info: 061507CCVA31

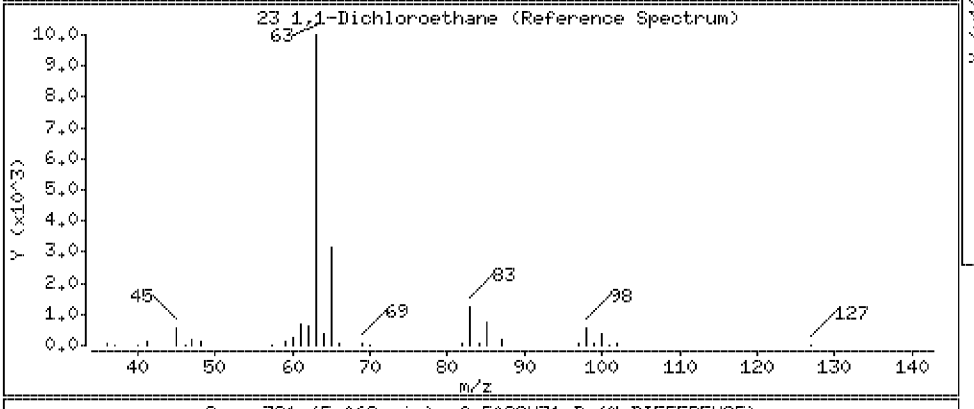
Purge Volume: 5.0 Operator:

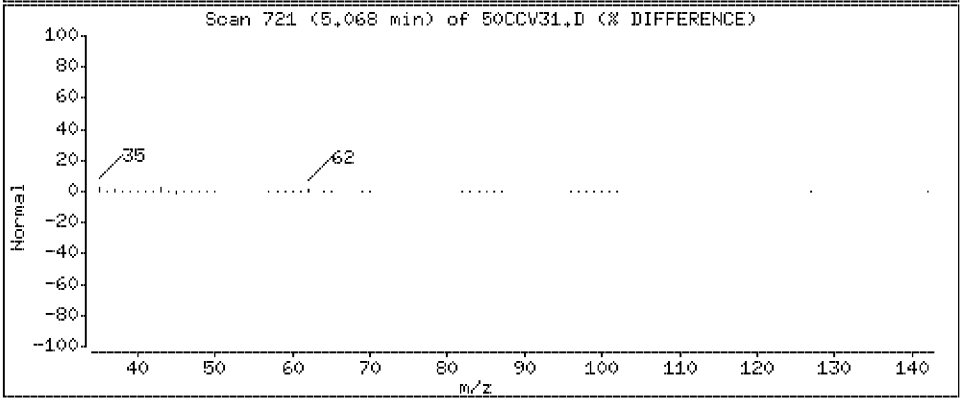
Column phase: DB-624 Column diameter: 0.18

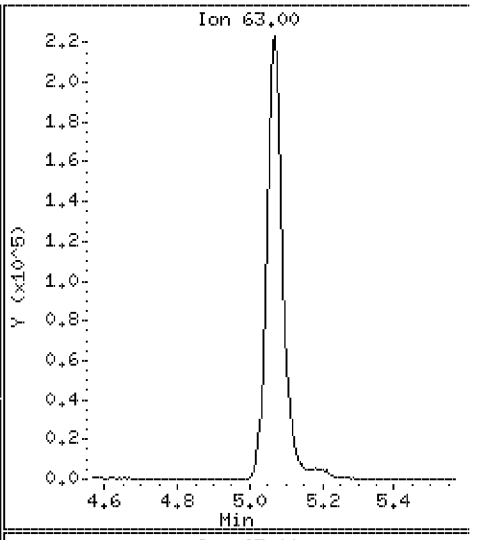
23 1,1-Dichloroethane Concentration: 50.3 ug/l

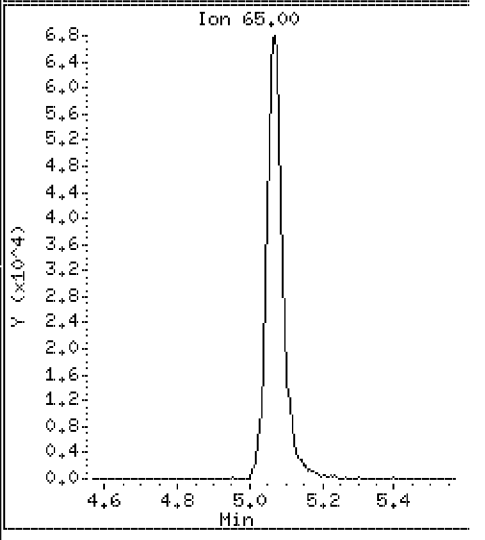












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

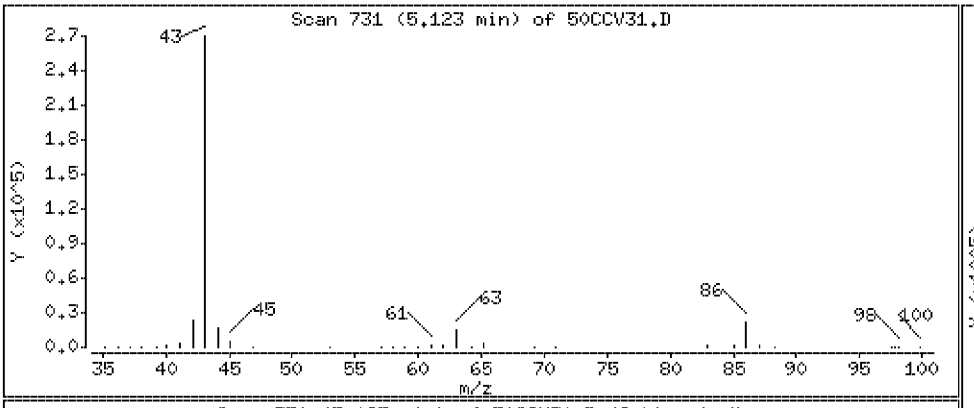
Client ID: 061507CCVA31 Instrument: vms03.i

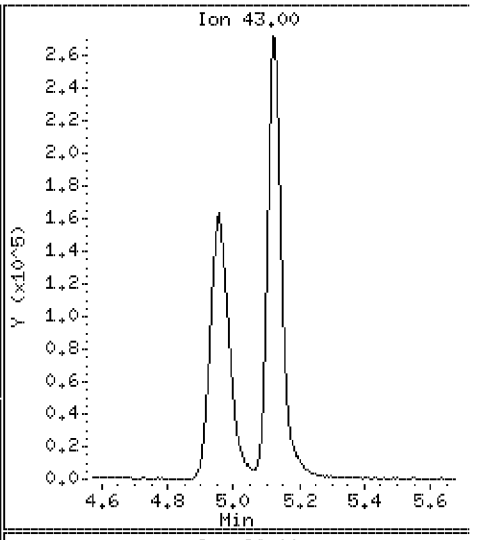
Sample Info: 061507CCVA31

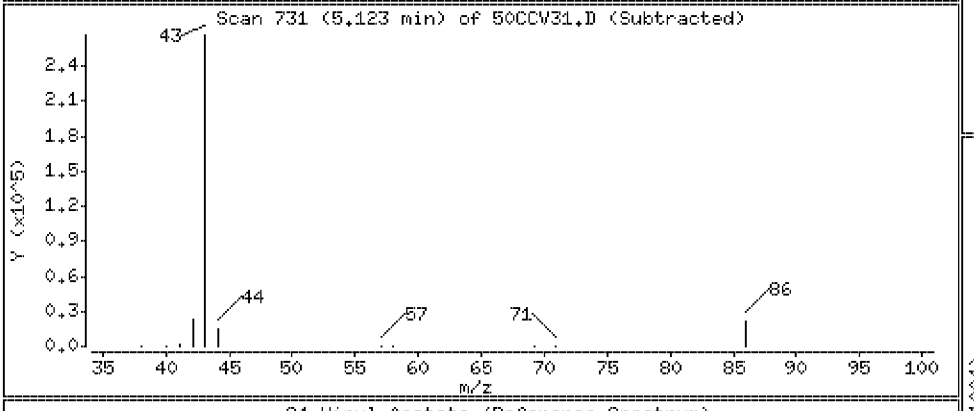
Purge Volume: 5.0 Operator:

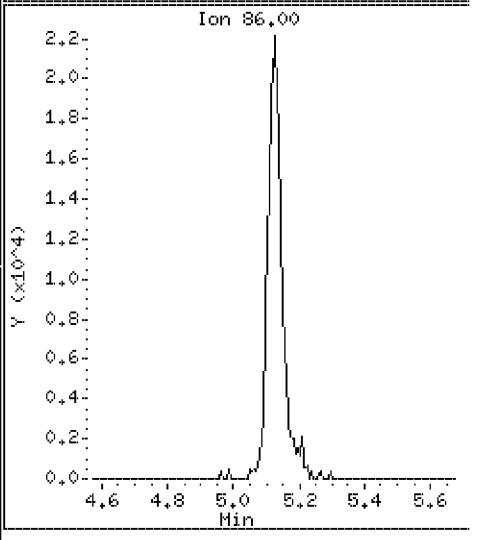
Column phase: DB-624 Column diameter: 0.18

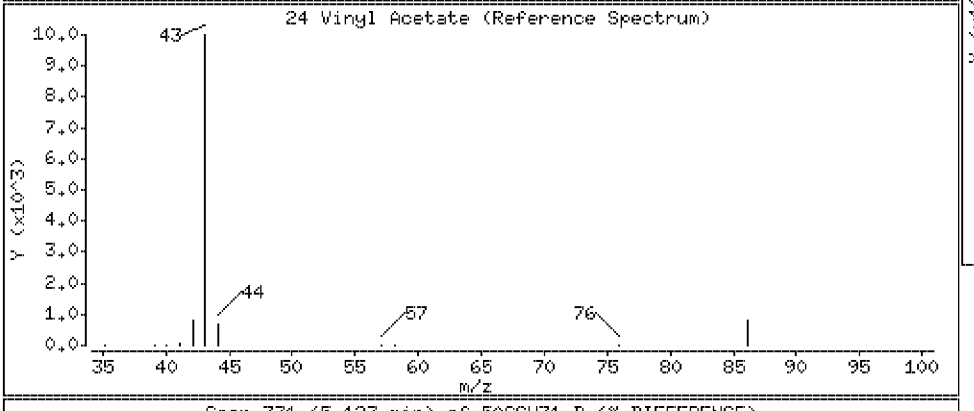
24 Vinyl Acetate Concentration: 54.6 ug/l

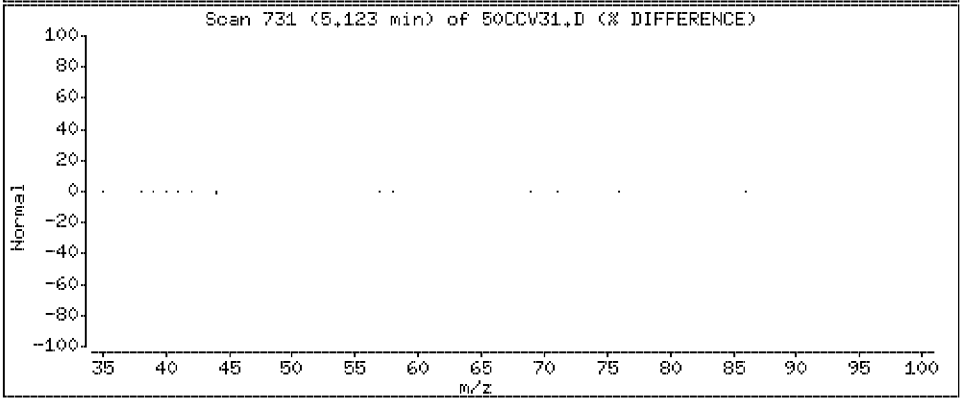












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

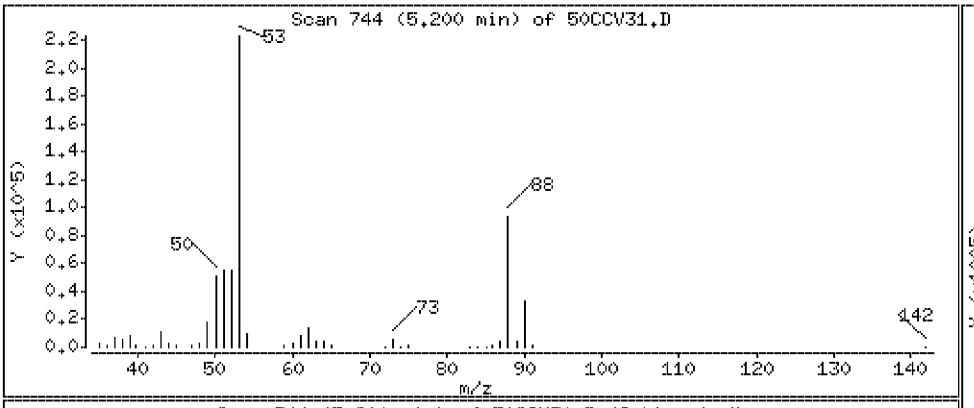
Client ID: 061507CCVA31 Instrument: vms03.i

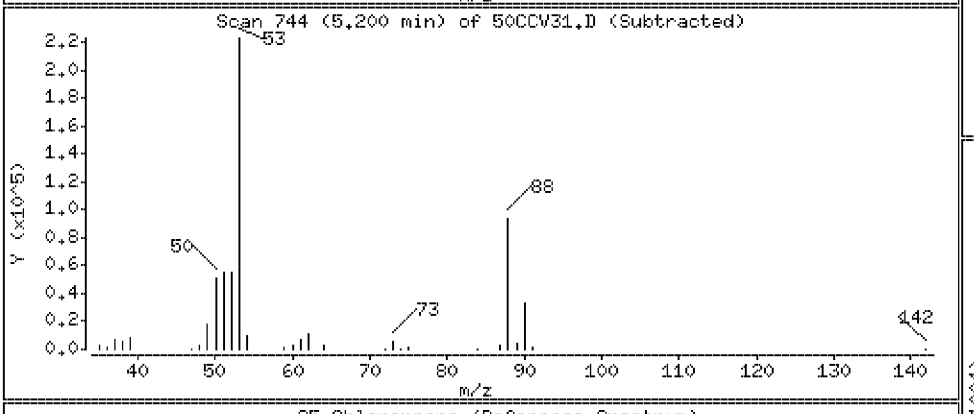
Sample Info: 061507CCVA31

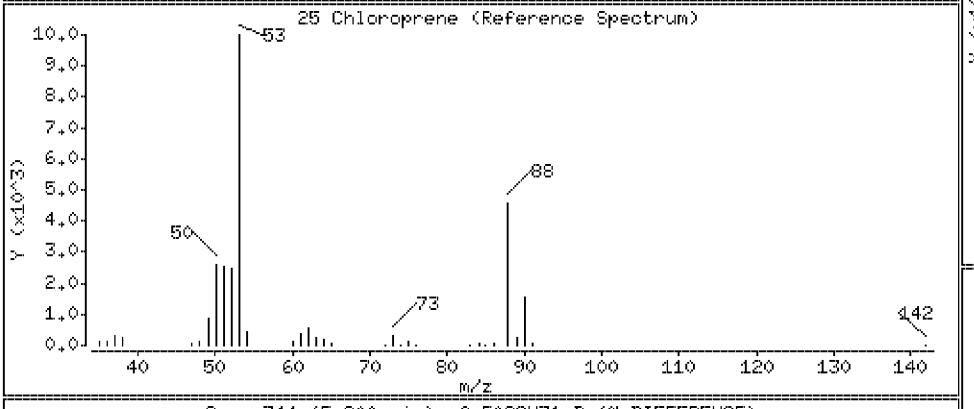
Purge Volume: 5.0 Operator:

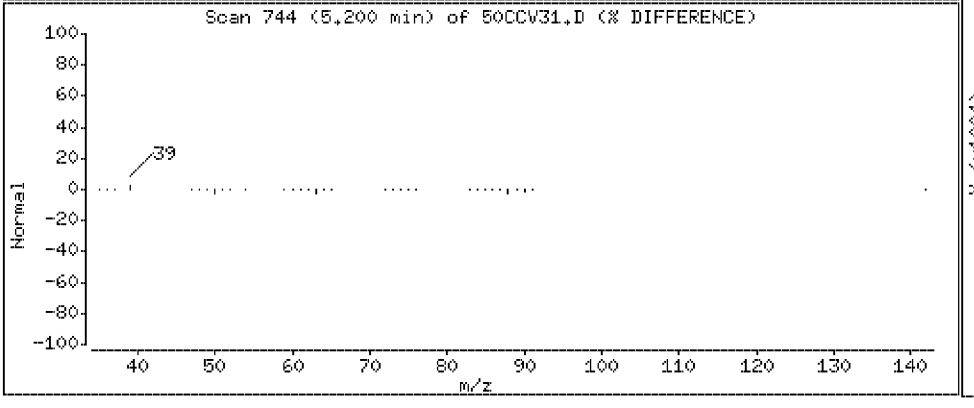
Column phase: DB-624 Column diameter: 0.18

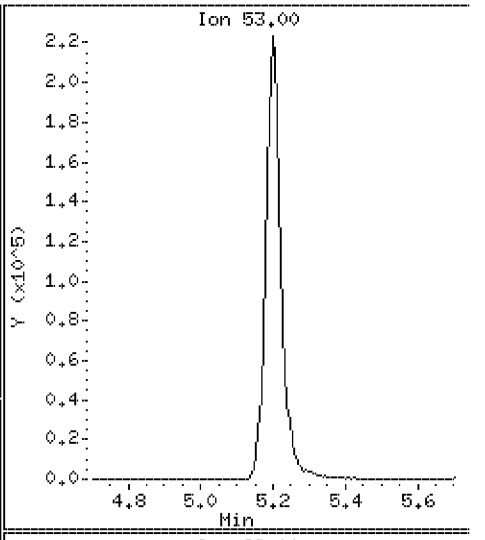
25 Chloroprene Concentration: 51.0 ug/l

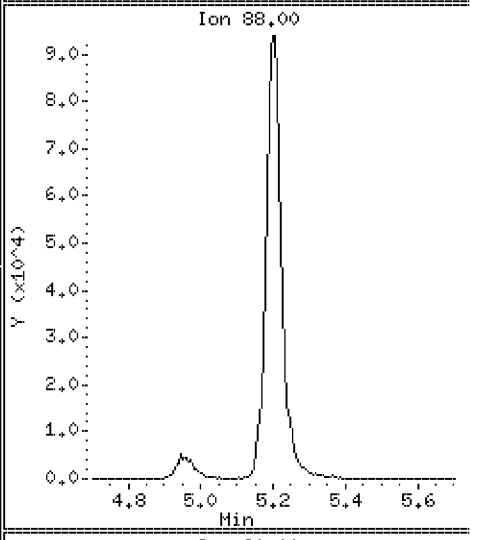


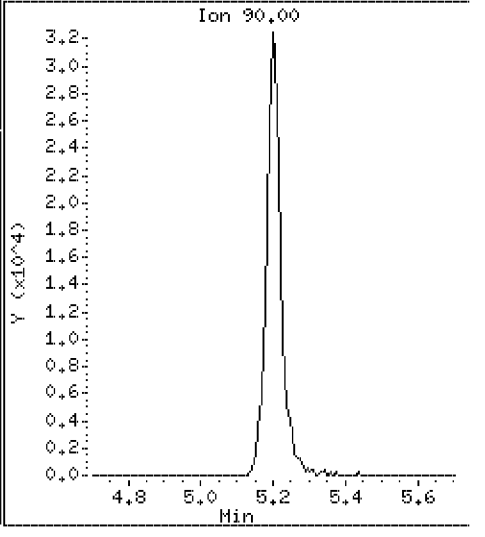












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

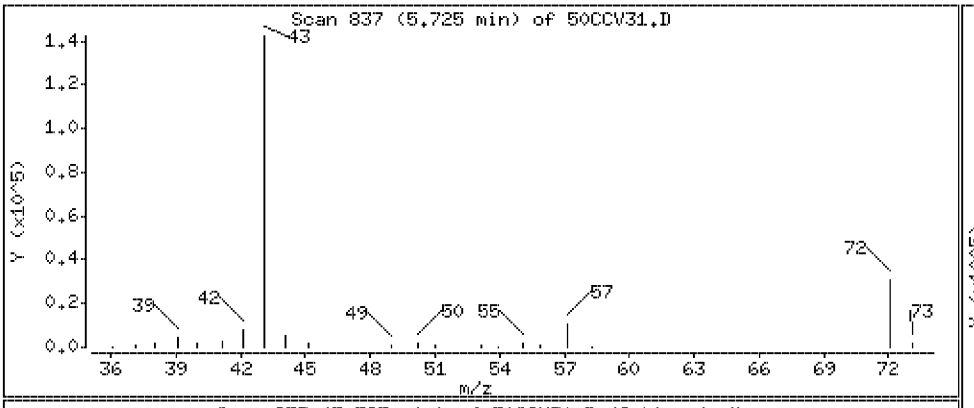
Client ID: 061507CCVA31 Instrument: vms03.i

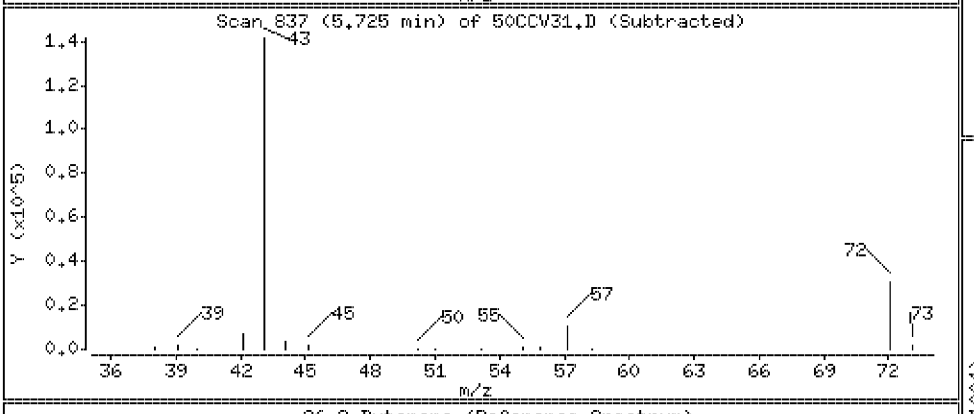
Sample Info: 061507CCVA31

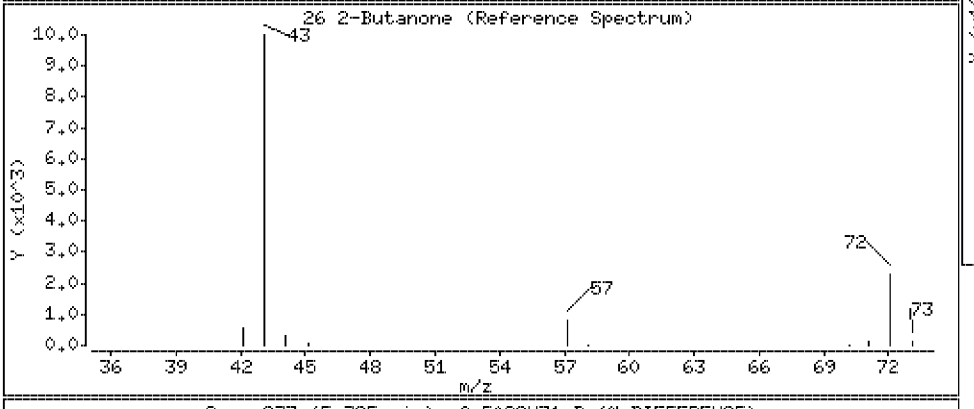
Purge Volume: 5.0 Operator:

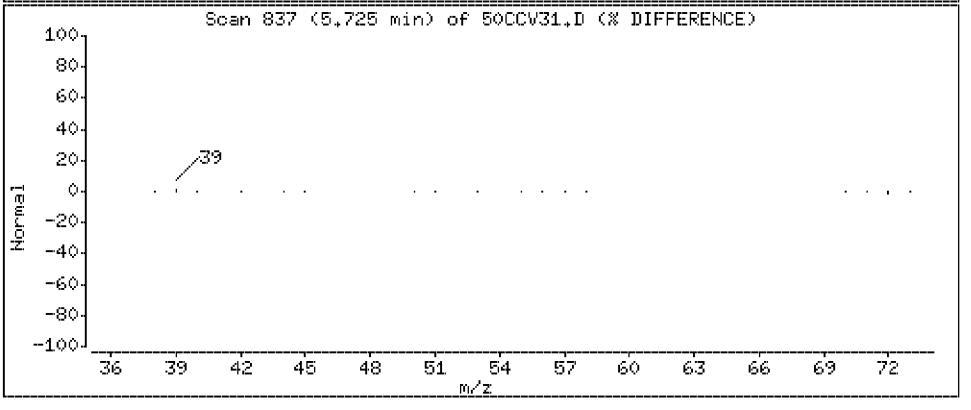
Column phase: DB-624 Column diameter: 0.18

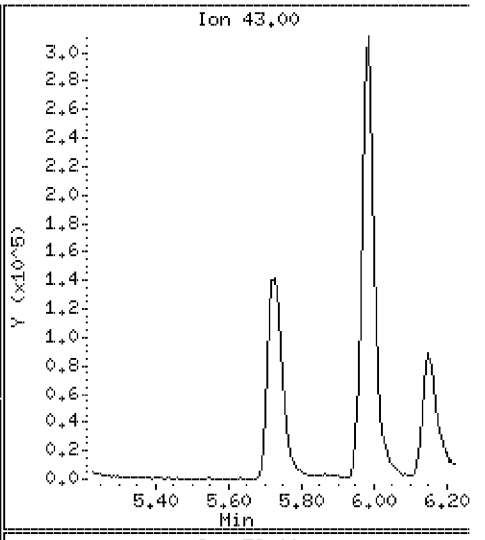
26 2-Butanone Concentration: 108 ug/l

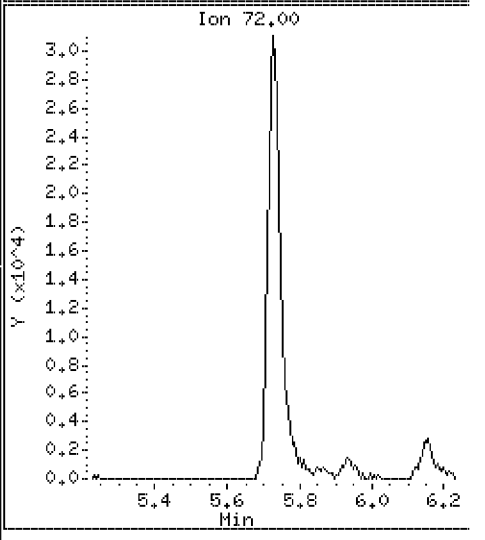












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

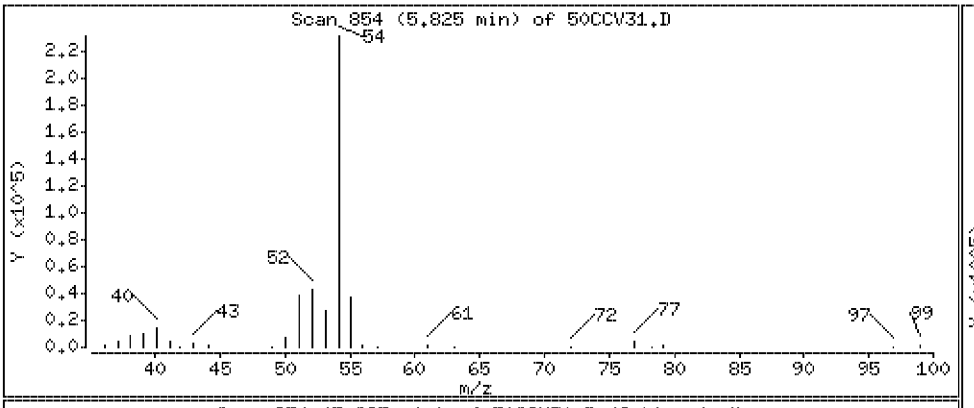
Client ID: 061507CCVA31 Instrument: vms03.i

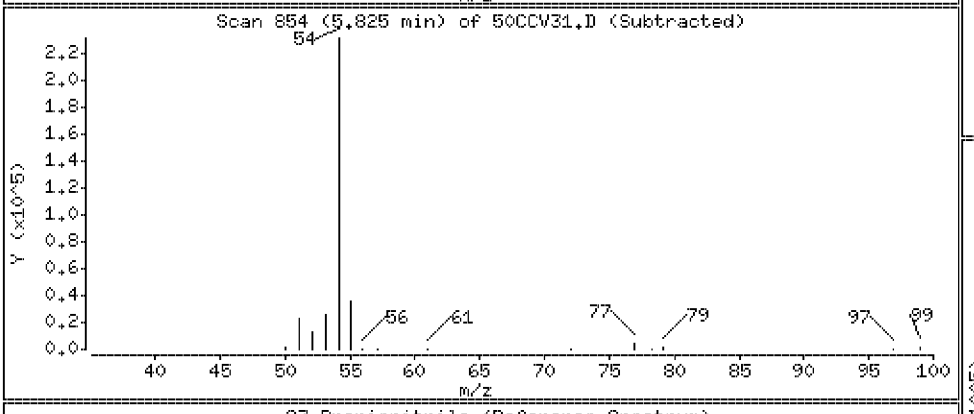
Sample Info: 061507CCVA31

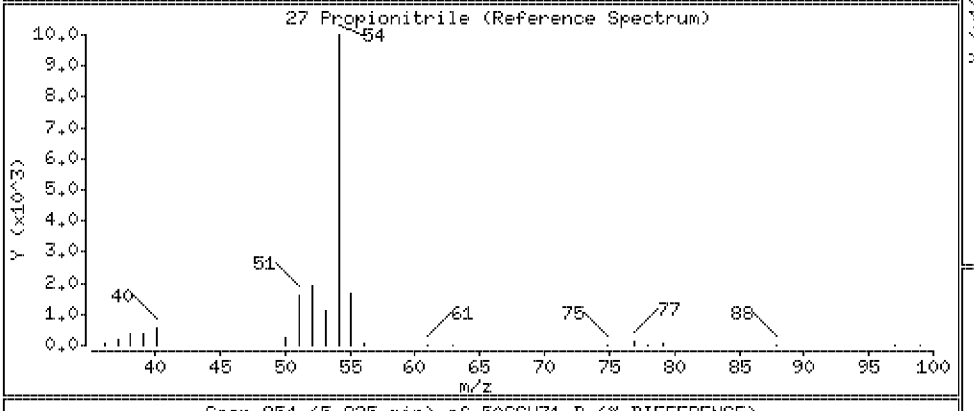
Purge Volume: 5.0 Operator:

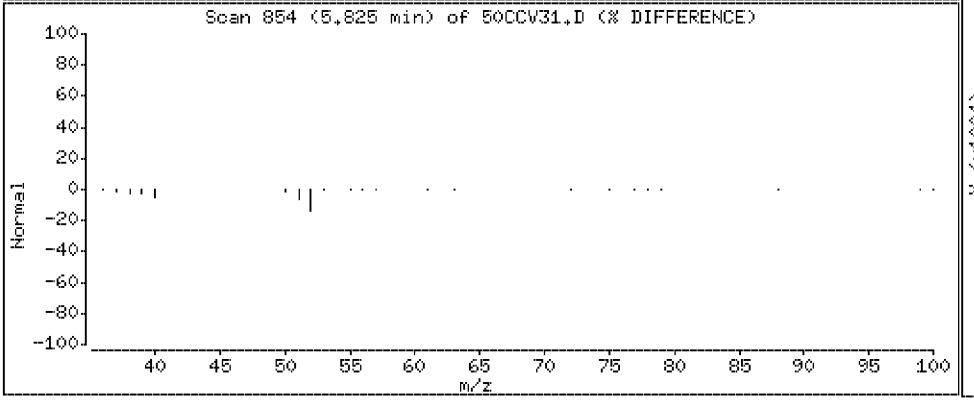
Column phase: DB-624 Column diameter: 0.18

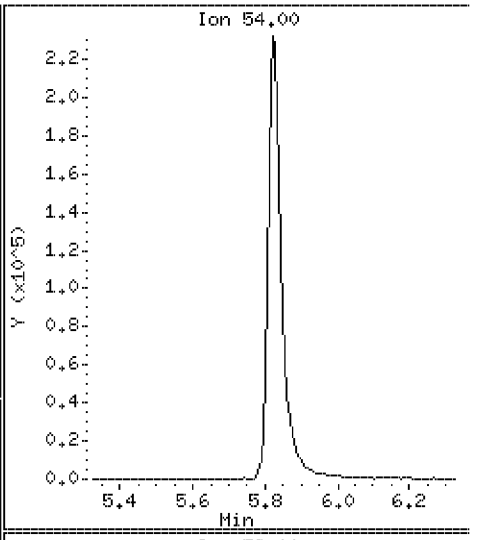
27 Propionitrile Concentration: 498 ug/l

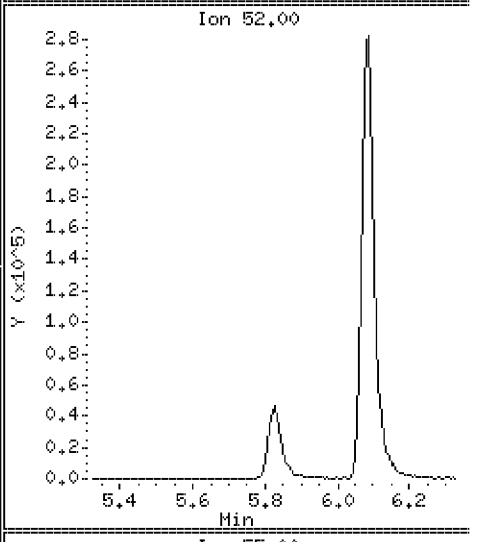


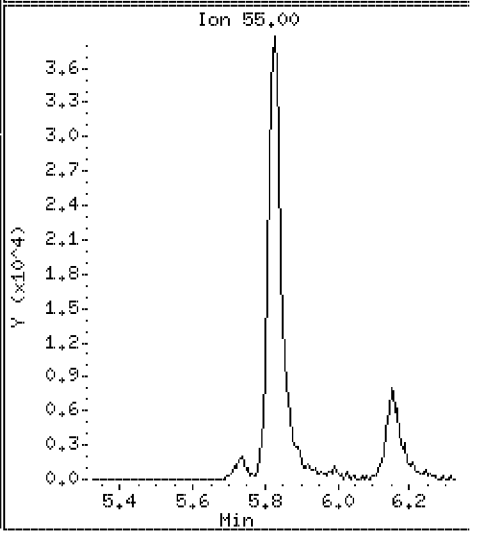












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

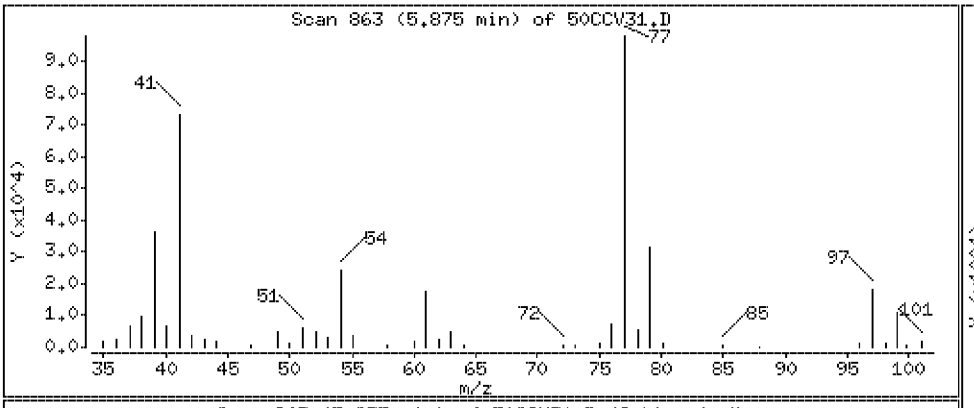
Client ID: 061507CCVA31 Instrument: vms03.i

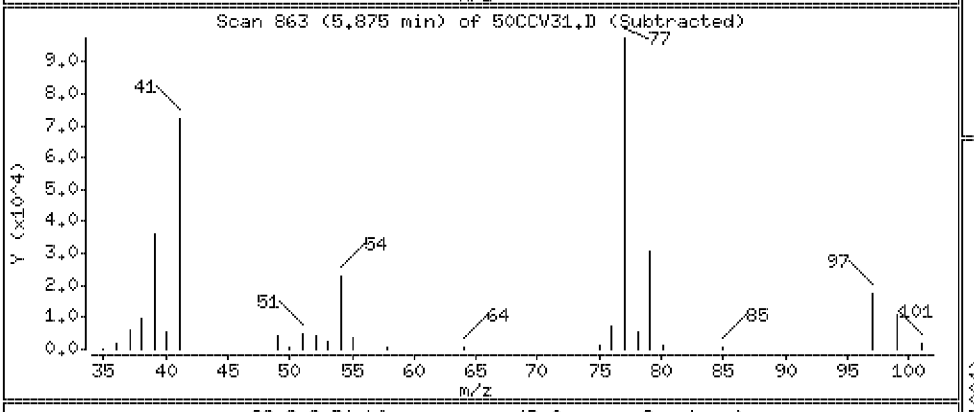
Sample Info: 061507CCVA31

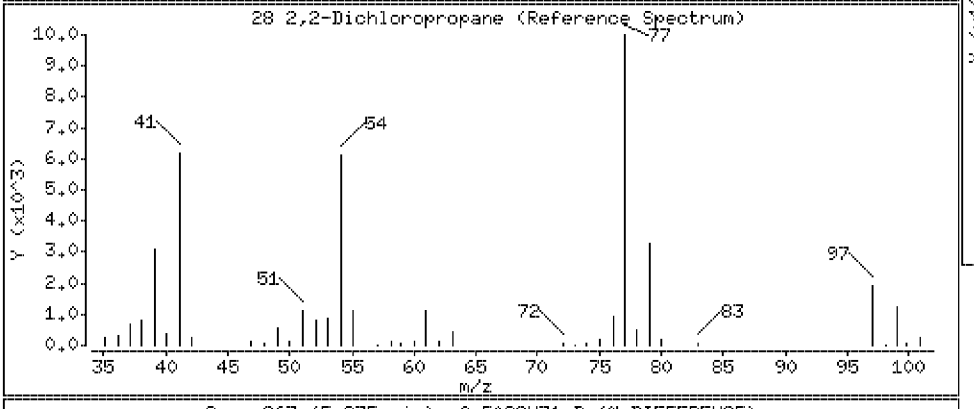
Purge Volume: 5.0 Operator:

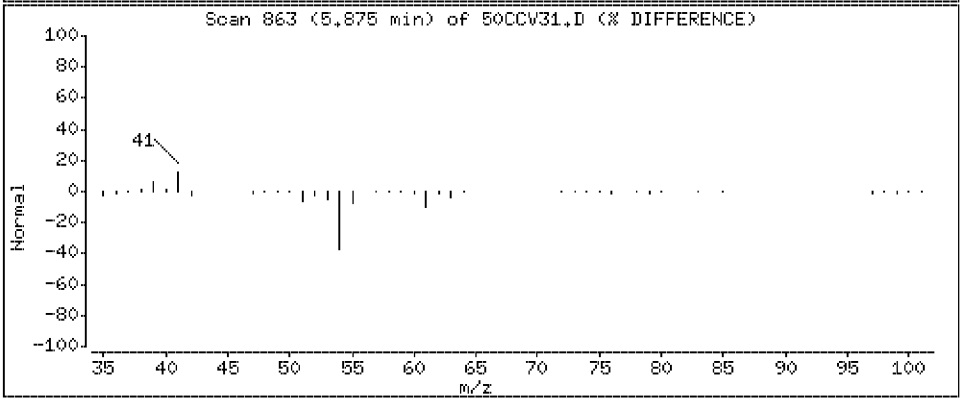
Column phase: DB-624 Column diameter: 0.18

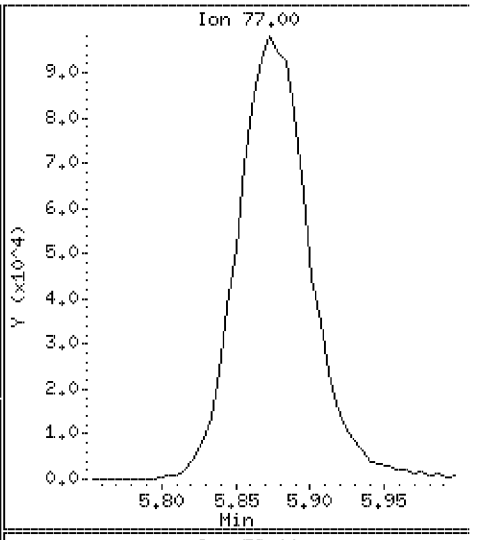
28 2,2-Dichloropropane Concentration: 51.7 ug/l

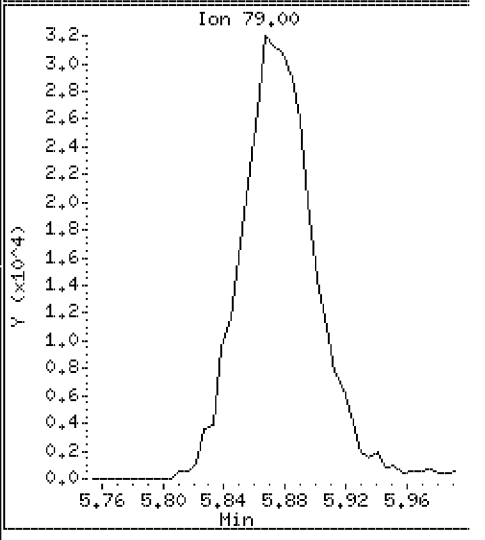












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

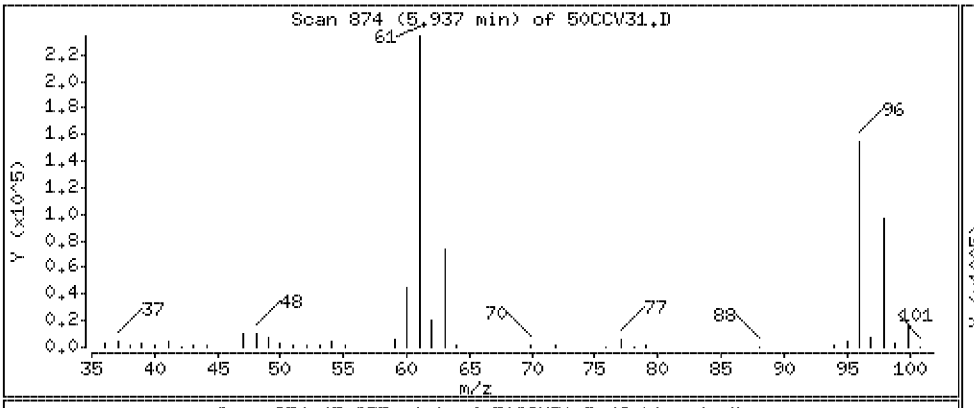
Client ID: 061507CCVA31 Instrument: vms03.i

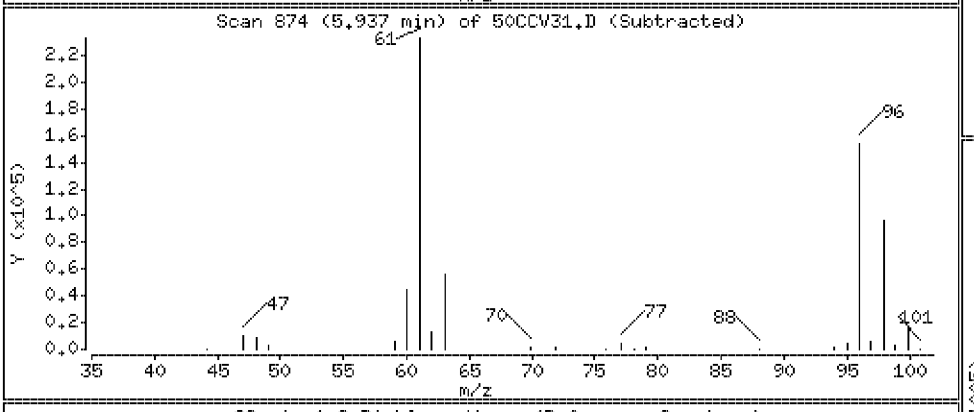
Sample Info: 061507CCVA31

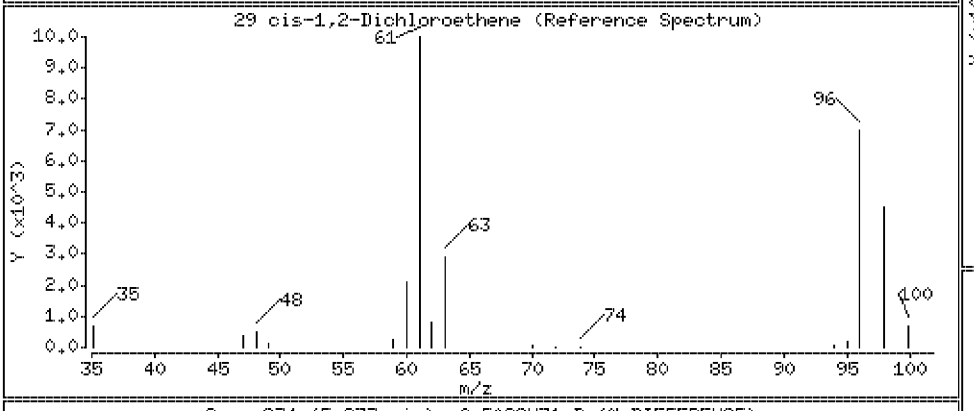
Purge Volume: 5.0 Operator:

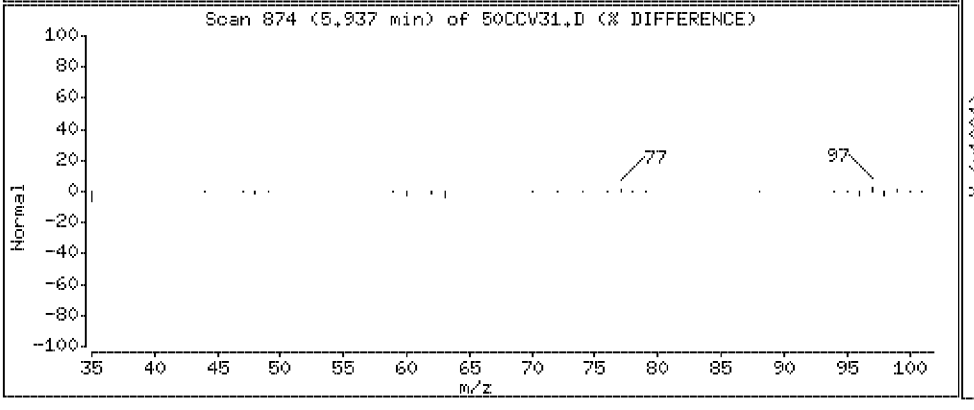
Column phase: DB-624 Column diameter: 0.18

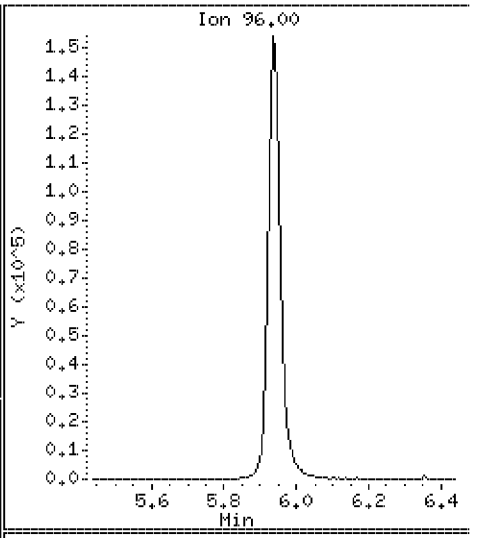
29 cis-1,2-Dichloroethene Concentration: 51.1 ug/l

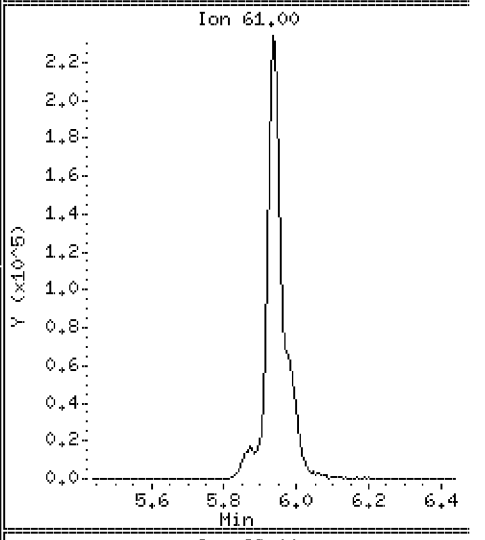


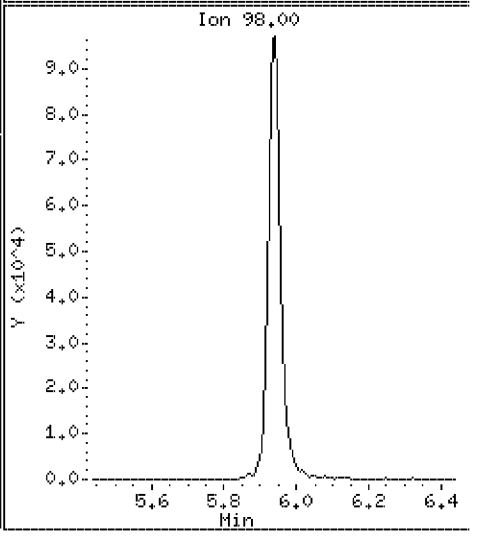












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

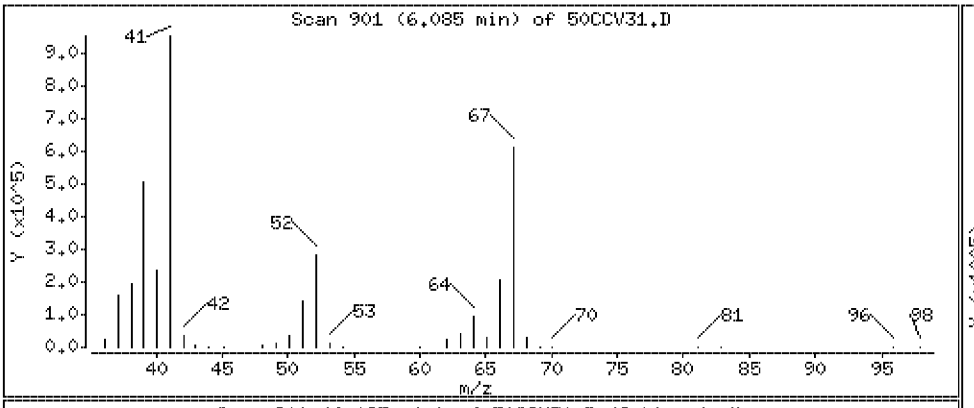
Client ID: 061507CCVA31 Instrument: vms03.i

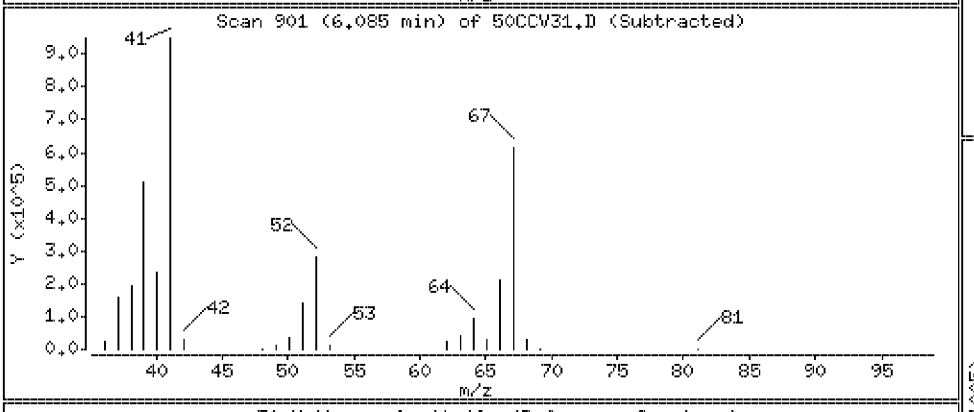
Sample Info: 061507CCVA31

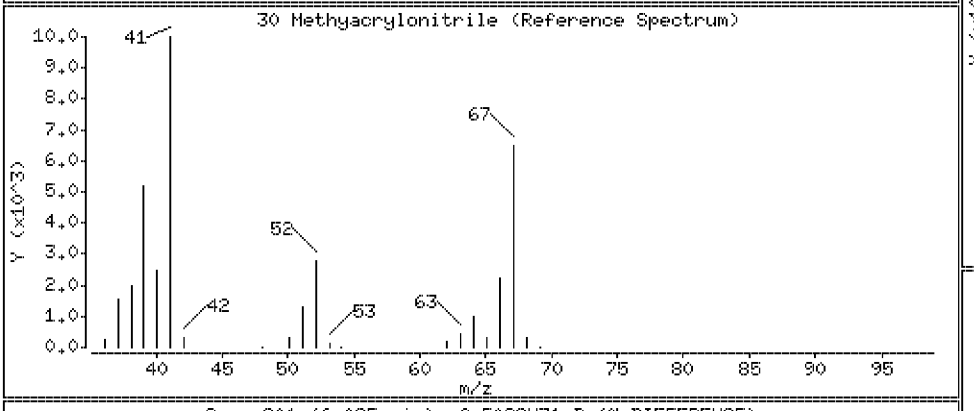
Purge Volume: 5.0 Operator:

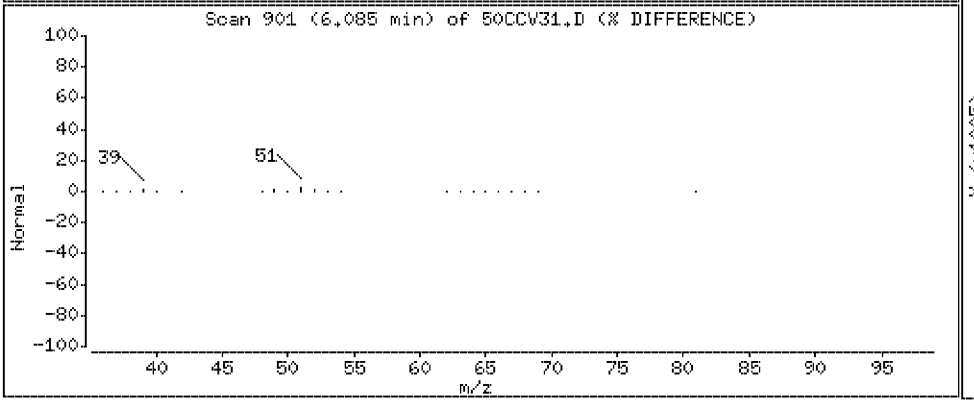
Column phase: DB-624 Column diameter: 0.18

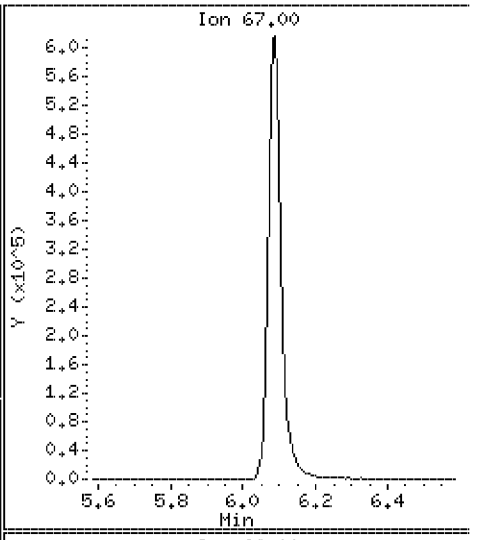
30 Methyacrylonitrile Concentration: 502 ug/l

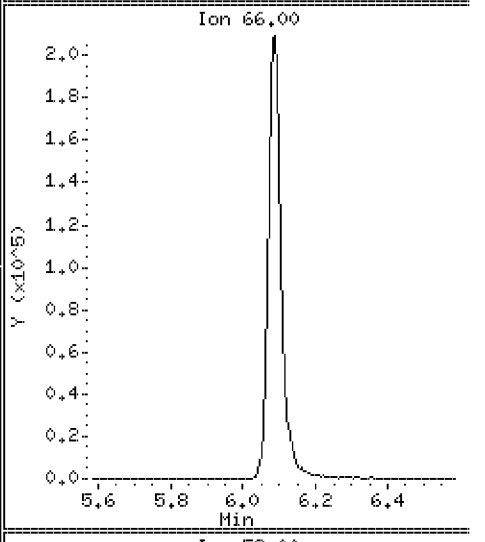


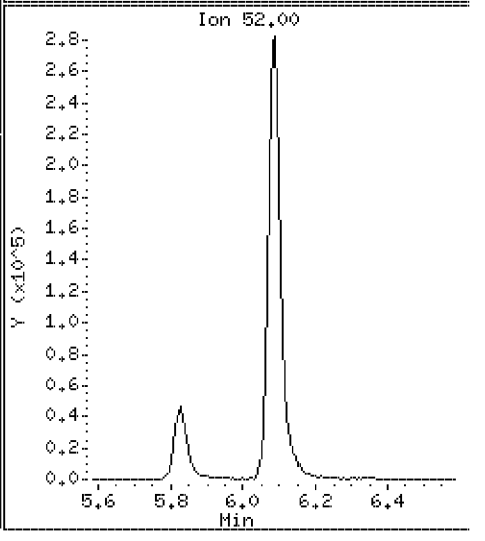












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

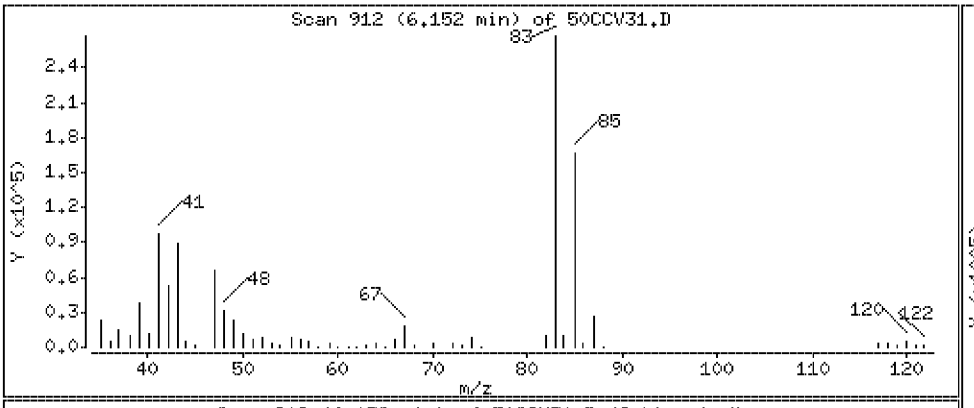
Client ID: 061507CCVA31 Instrument: vms03.i

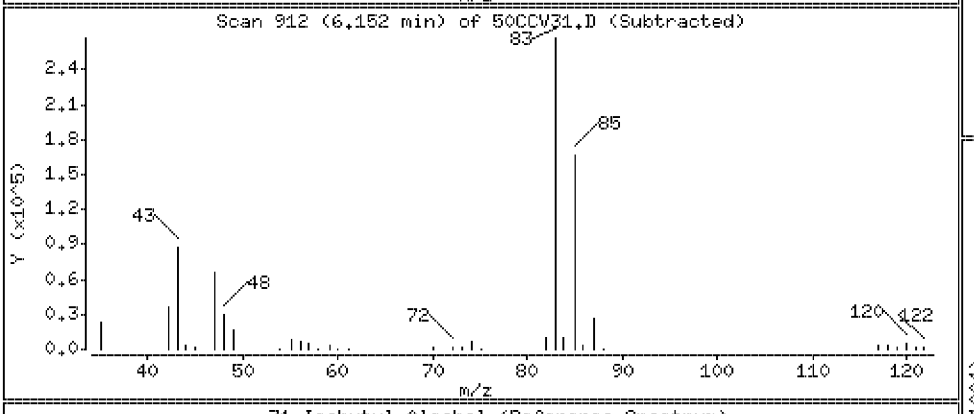
Sample Info: 061507CCVA31

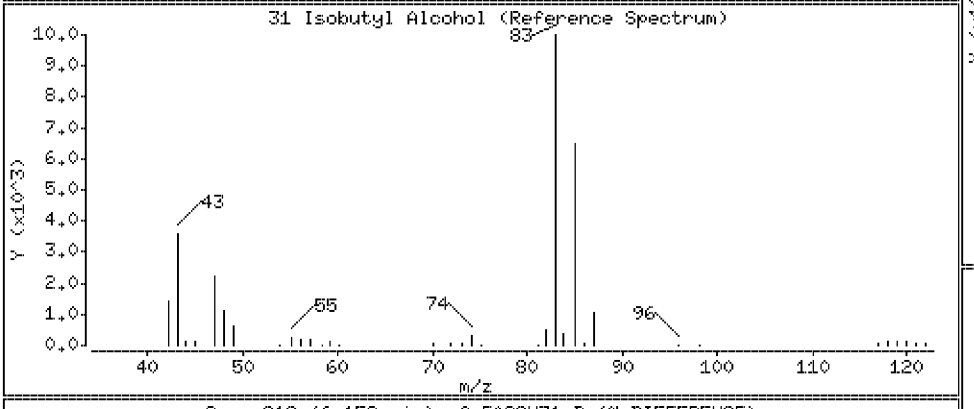
Purge Volume: 5.0 Operator:

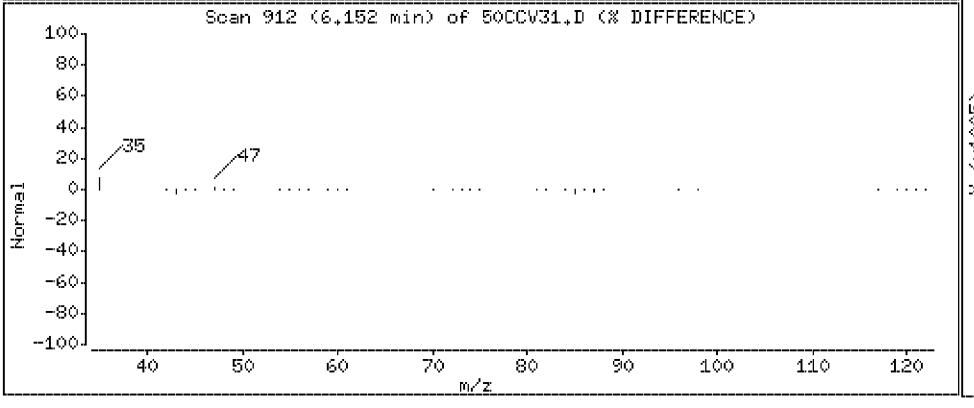
Column phase: DB-624 Column diameter: 0.18

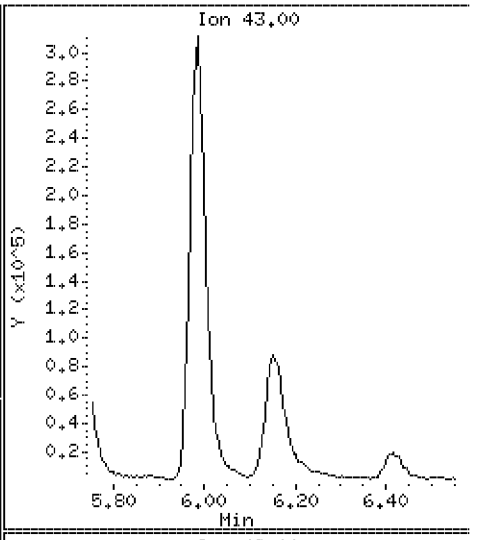
31 Isobutyl Alcohol Concentration: 885 ug/l

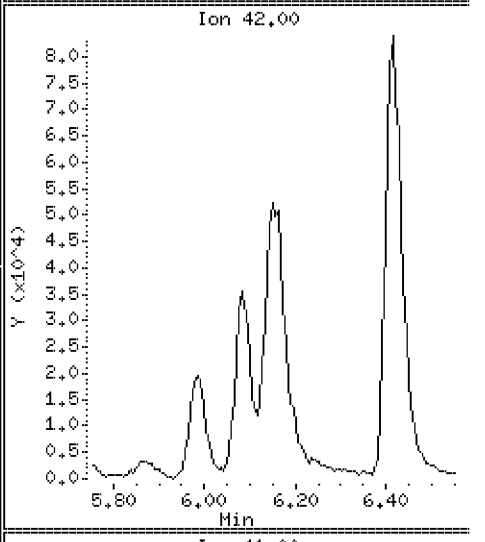


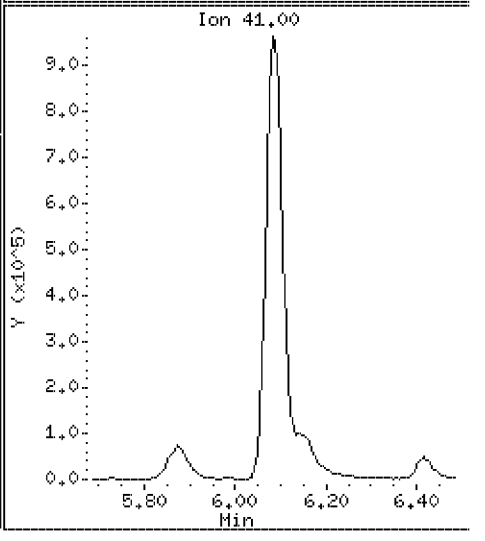












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

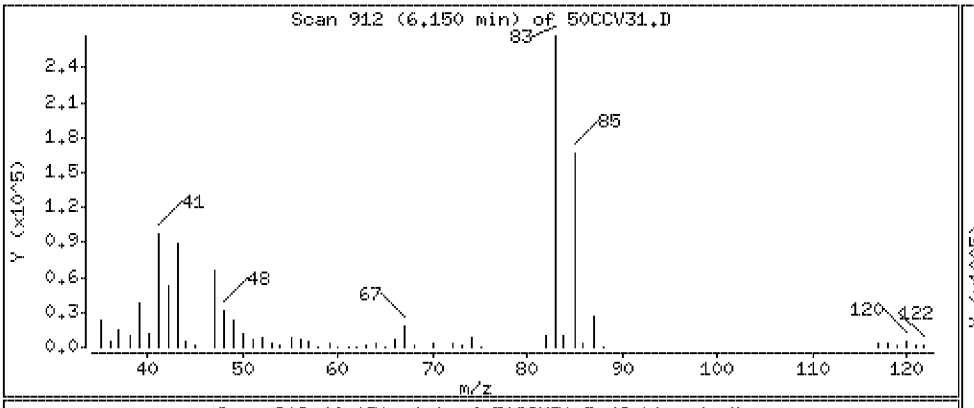
Client ID: 061507CCVA31 Instrument: vms03.i

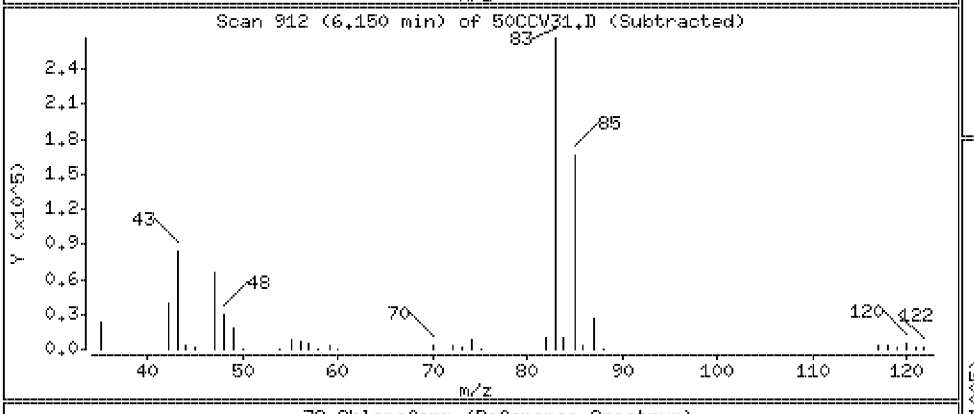
Sample Info: 061507CCVA31

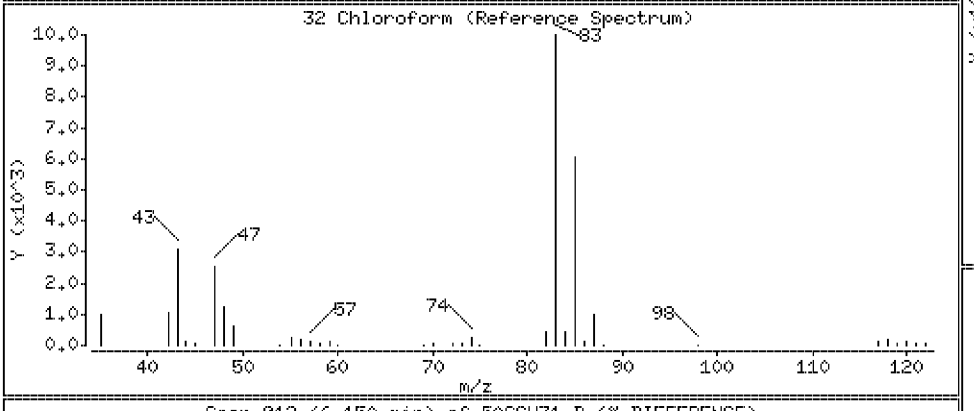
Purge Volume: 5.0 Operator:

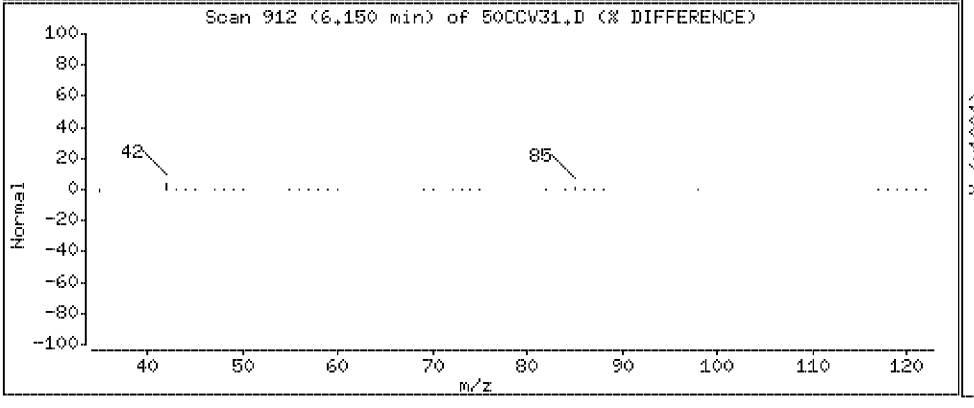
Column phase: DB-624 Column diameter: 0.18

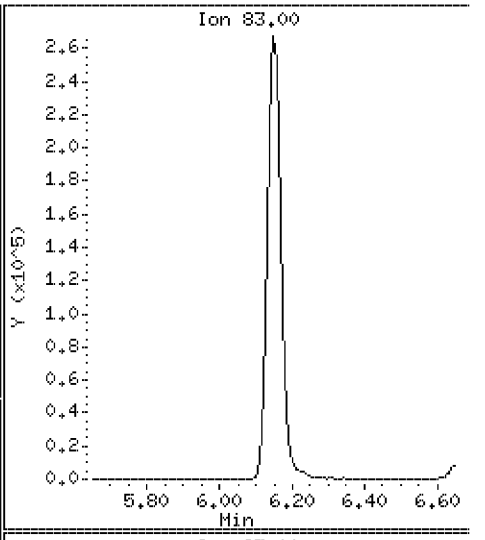
32 Chloroform Concentration: 48.2 ug/l

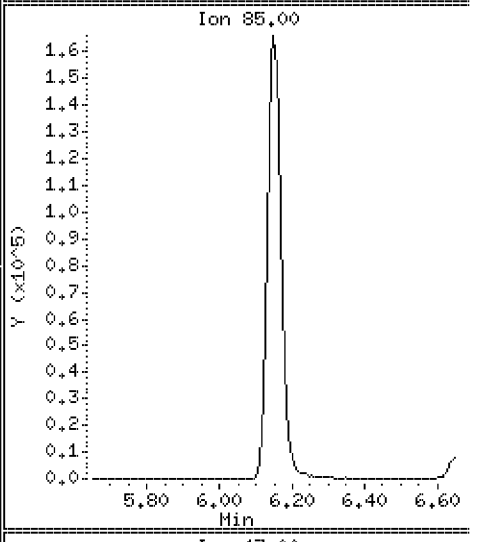


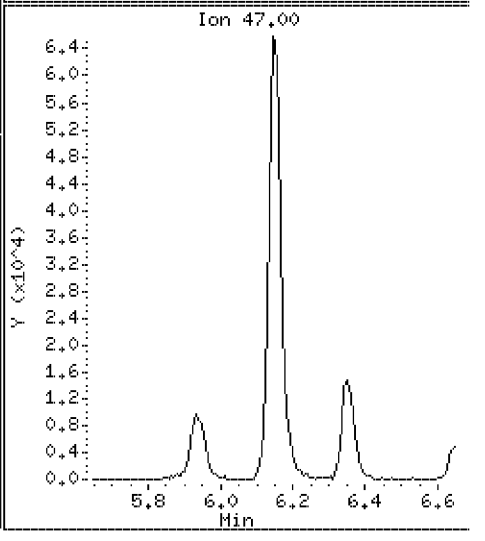












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

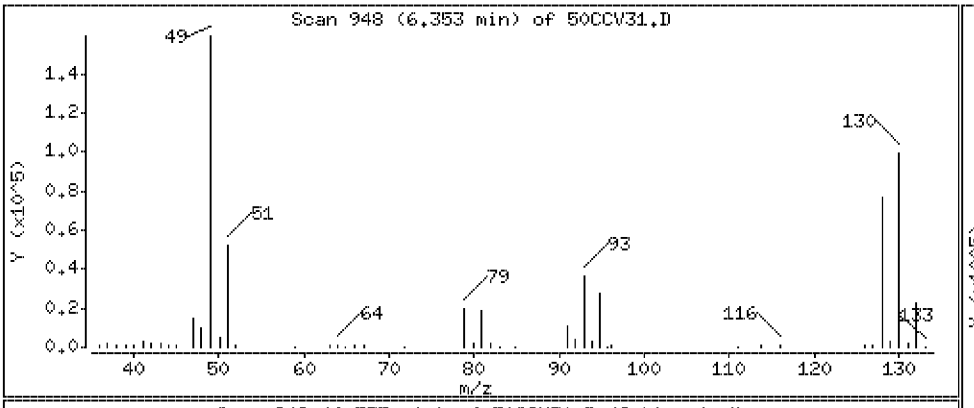
Client ID: 061507CCVA31 Instrument: vms03.i

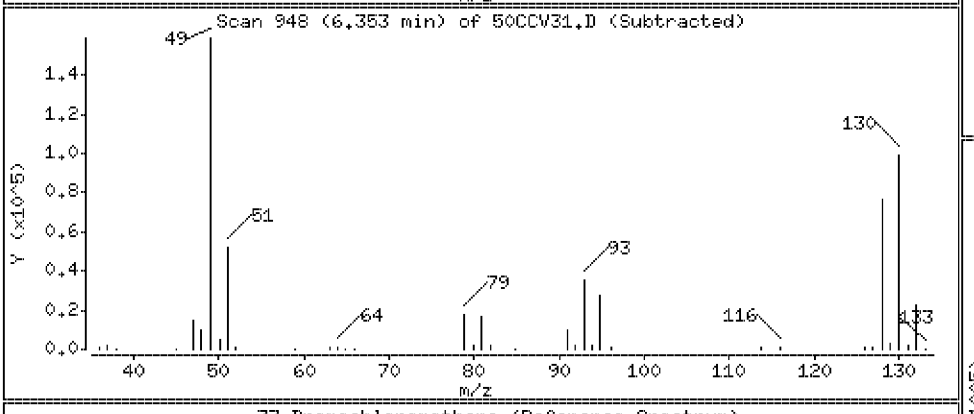
Sample Info: 061507CCVA31

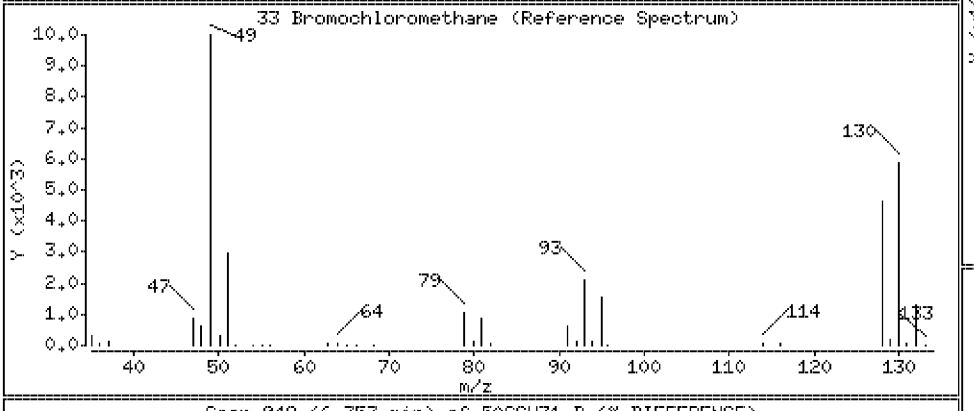
Purge Volume: 5.0 Operator:

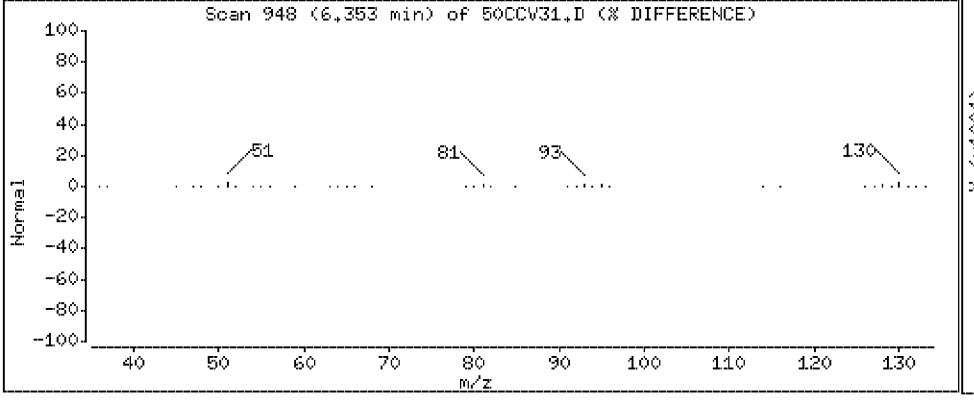
Column phase: DB-624 Column diameter: 0.18

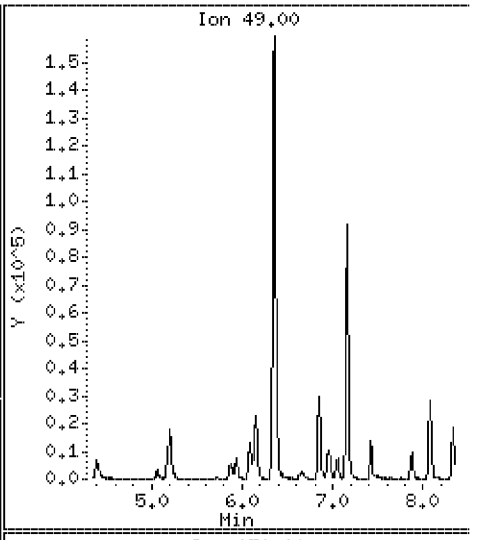
33 Bromochloromethane Concentration: 48.2 ug/l

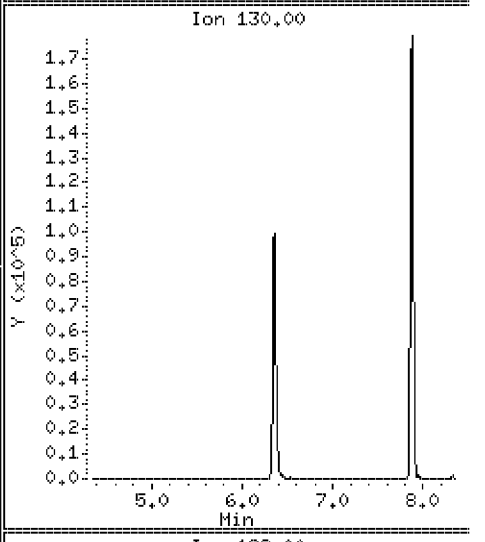


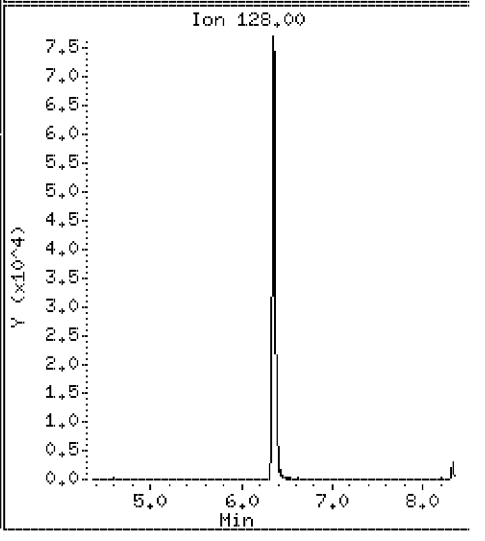












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

Client ID: 061507CCVA31

Instrument: vms03.i

Sample Info: 061507CCVA31

Purge Volume: 5.0

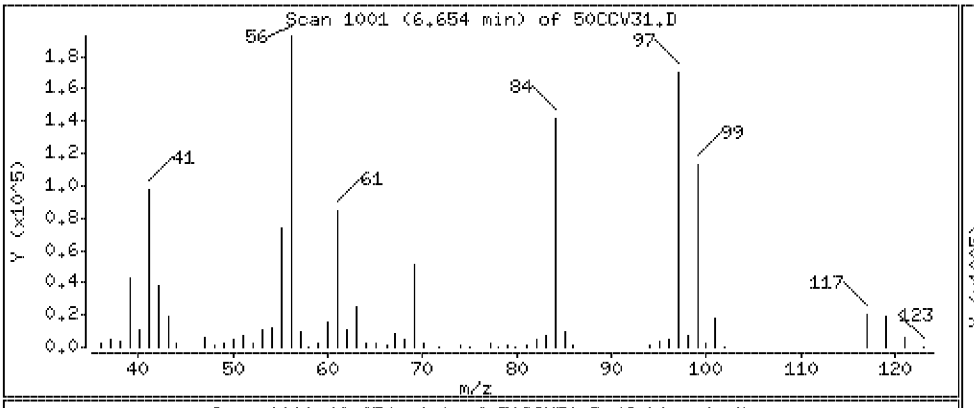
Operator:

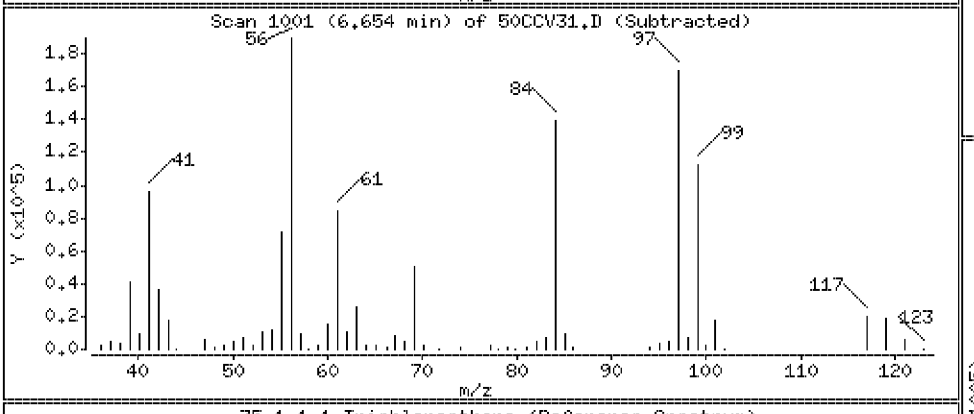
Column phase: DB-624

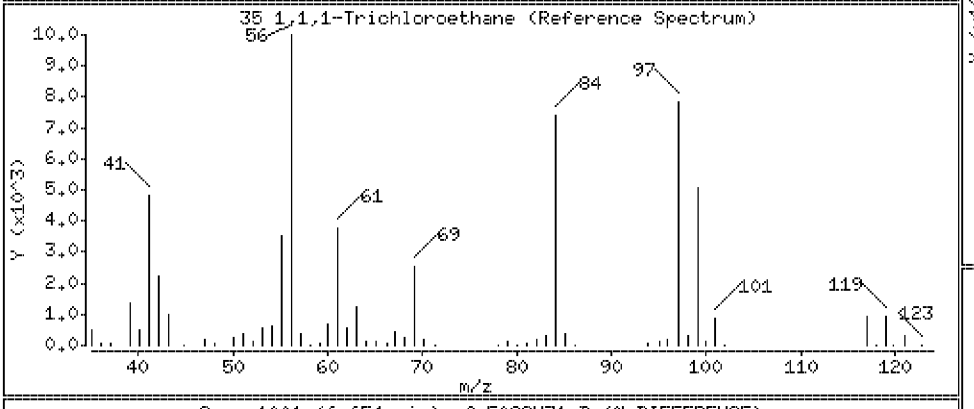
Column diameter: 0.18

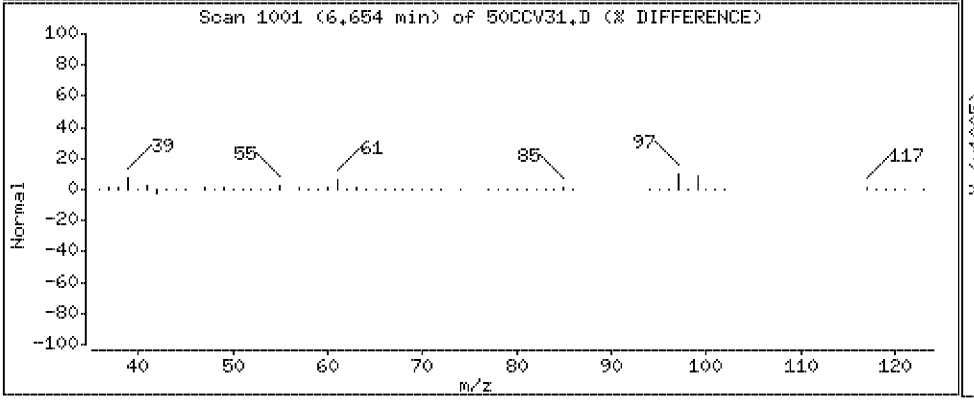
35 1,1,1-Trichloroethane

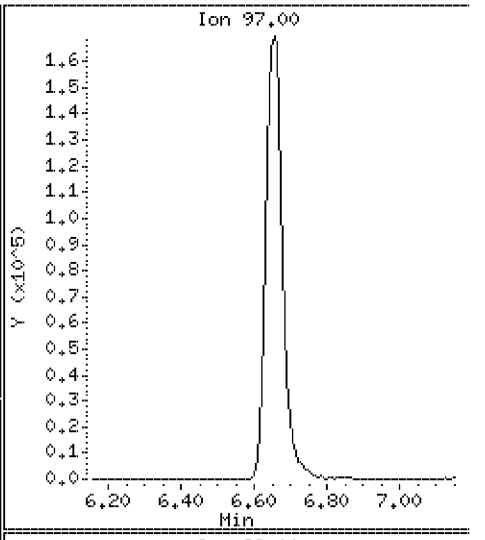
Concentration: 49.2 ug/l

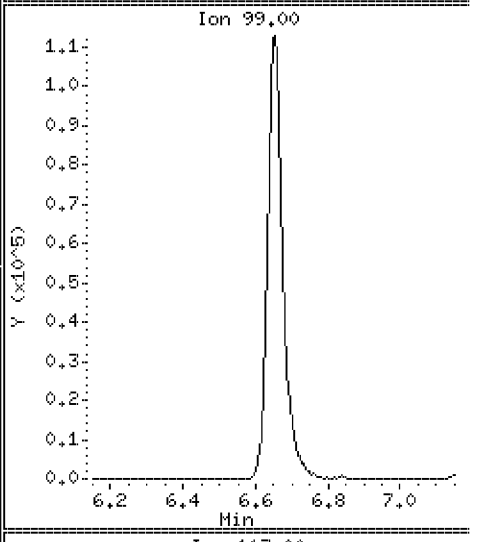


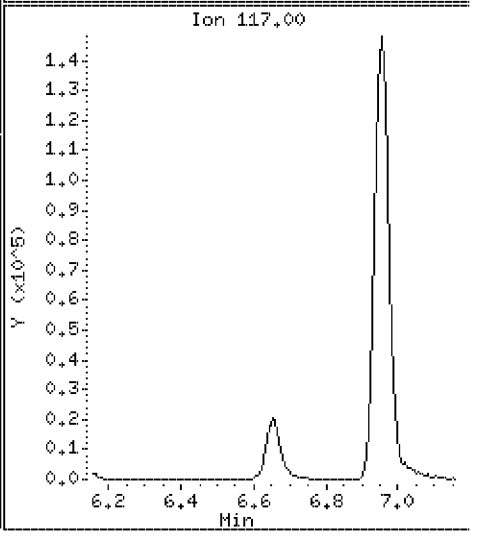












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

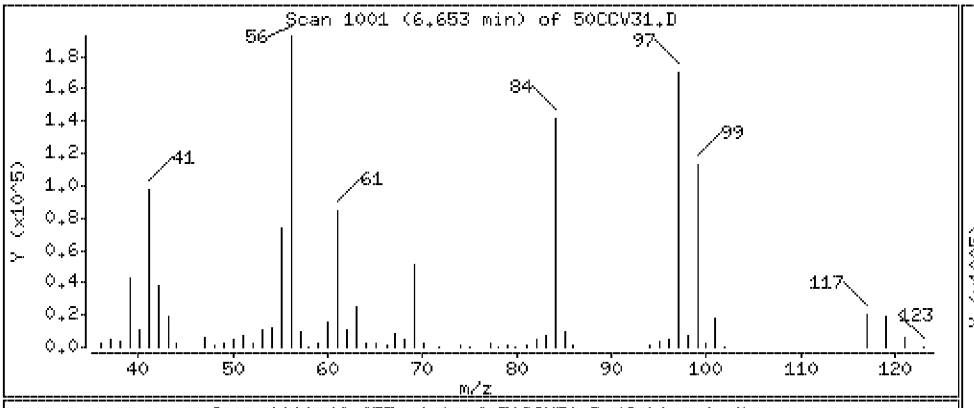
Client ID: 061507CCVA31 Instrument: vms03.i

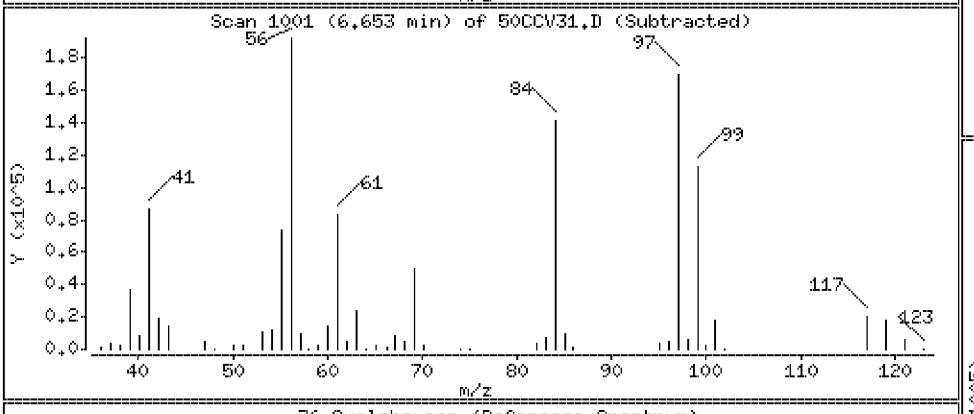
Sample Info: 061507CCVA31

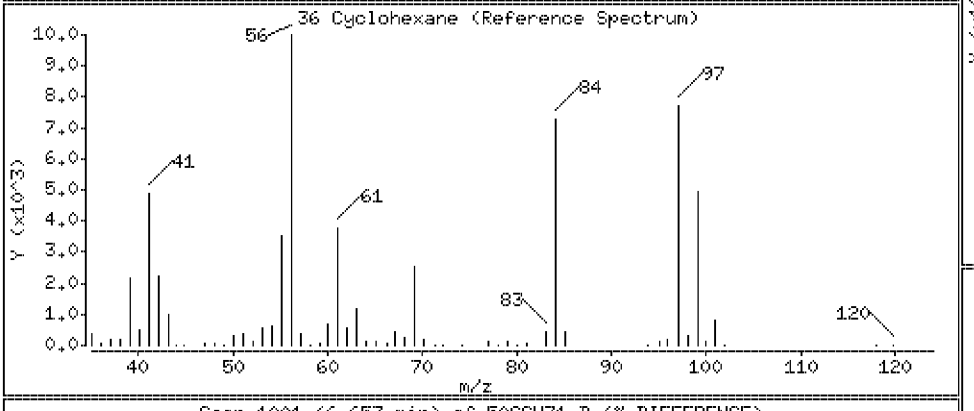
Purge Volume: 5.0 Operator:

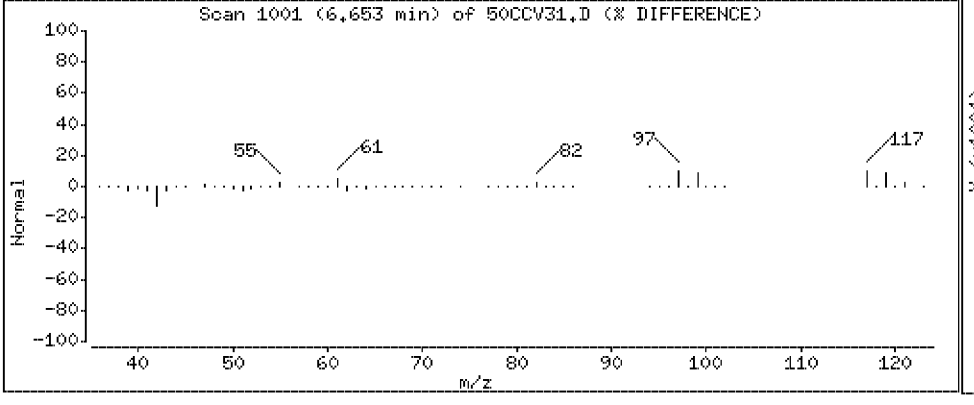
Column phase: DB-624 Column diameter: 0.18

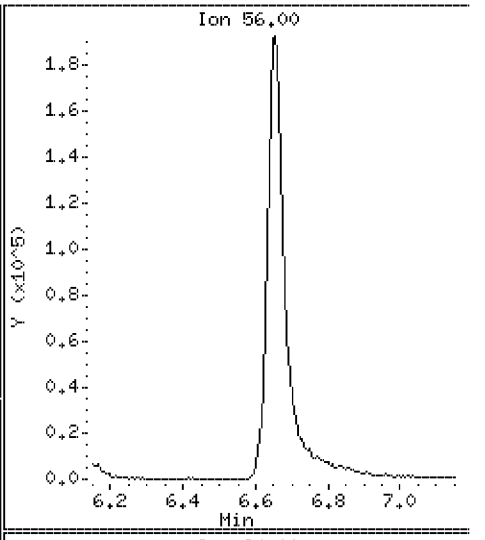
36 Cyclohexane Concentration: 50.8 ug/l

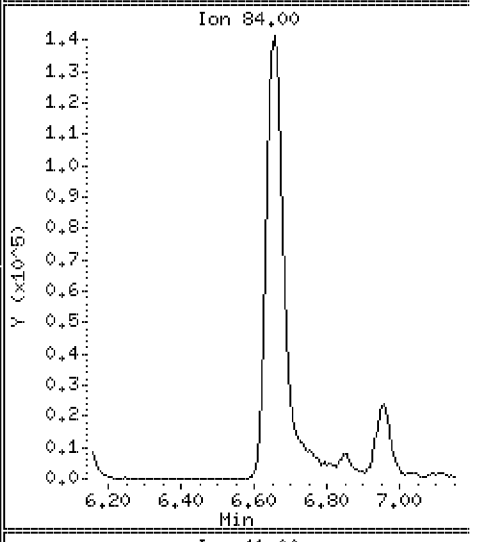


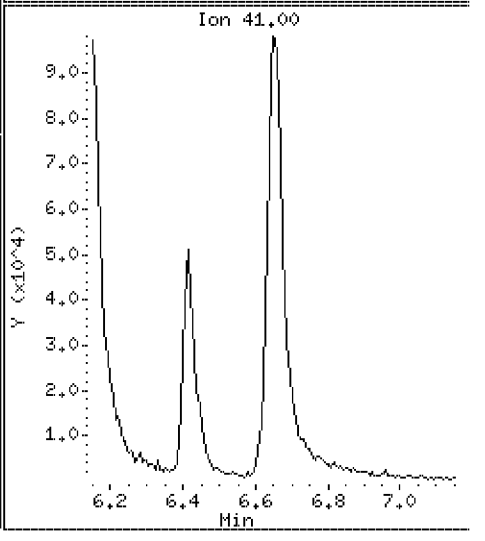












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

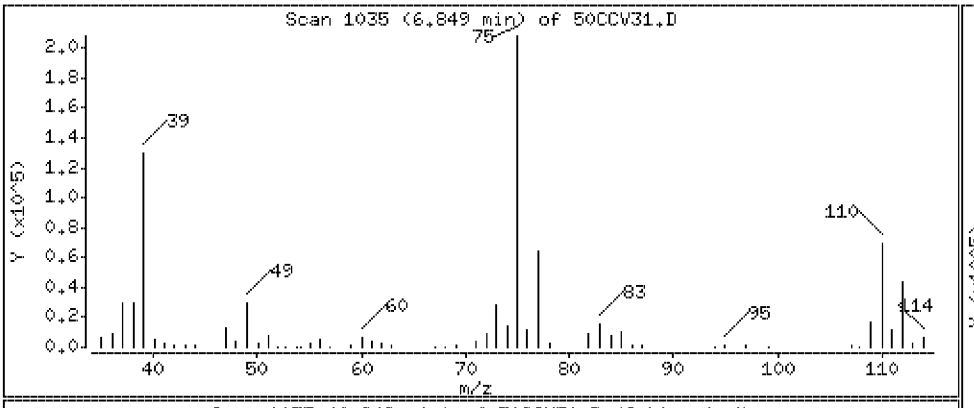
Client ID: 061507CCVA31 Instrument: vms03.i

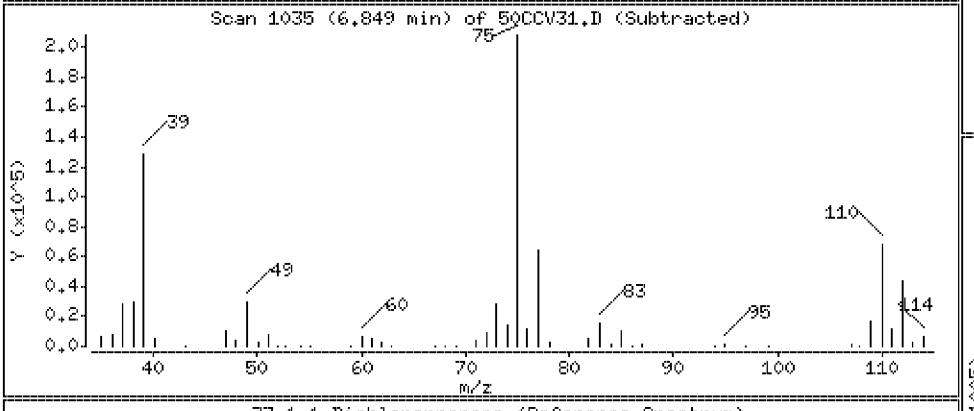
Sample Info: 061507CCVA31

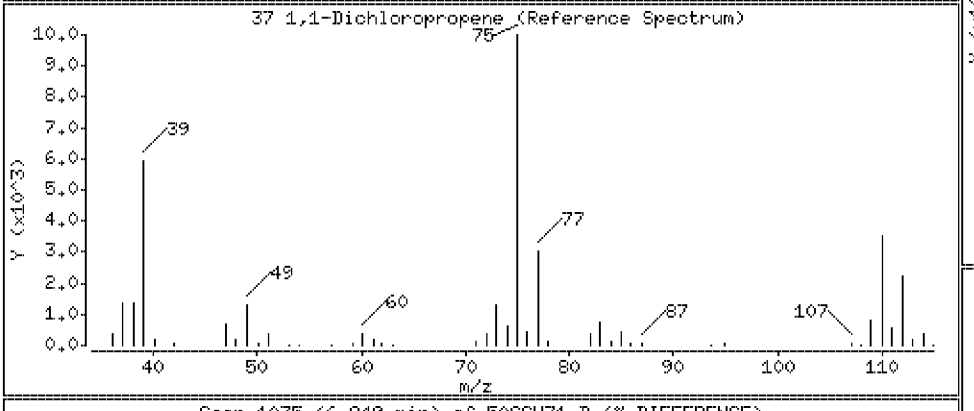
Purge Volume: 5.0 Operator:

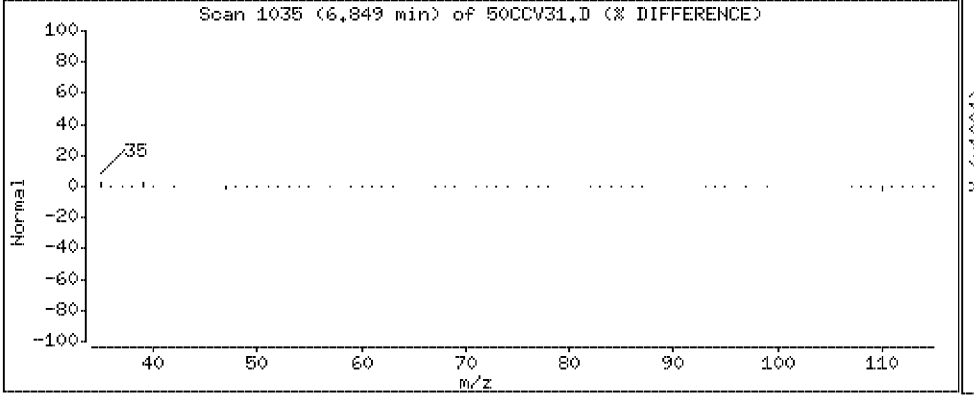
Column phase: DB-624 Column diameter: 0.18

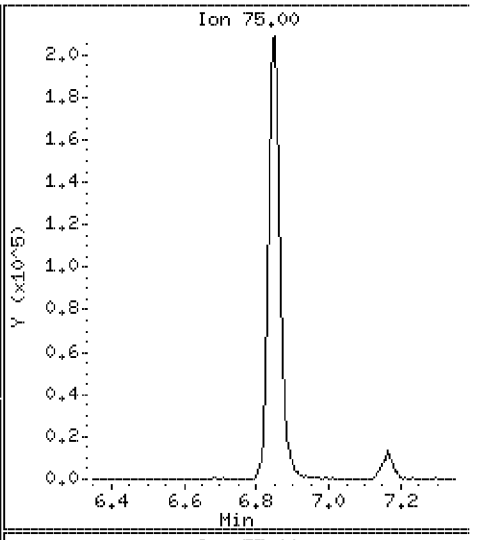
37 1,1-Dichloropropene Concentration: 50.5 ug/l

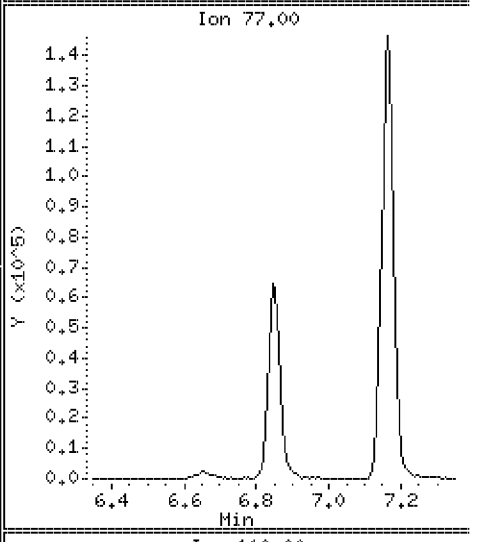


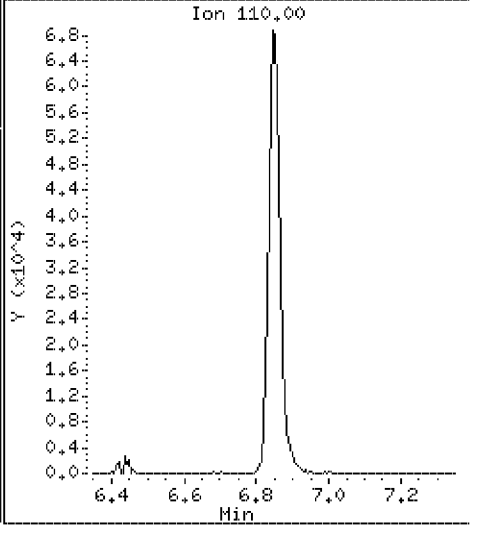












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

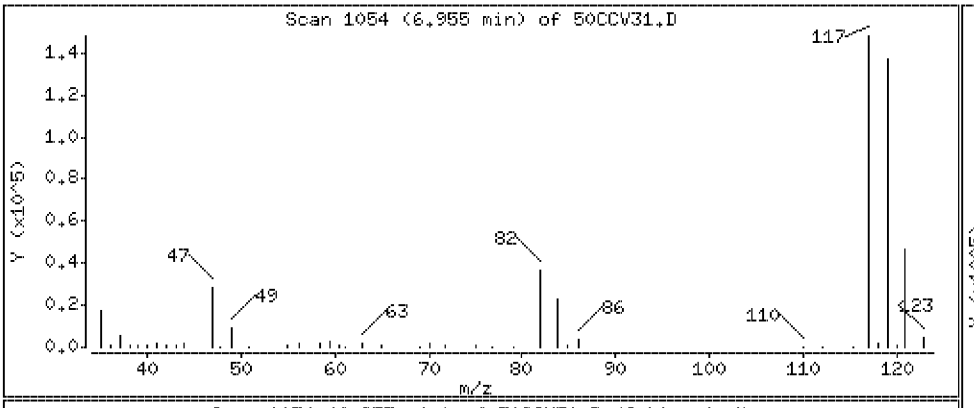
Client ID: 061507CCVA31 Instrument: vms03.i

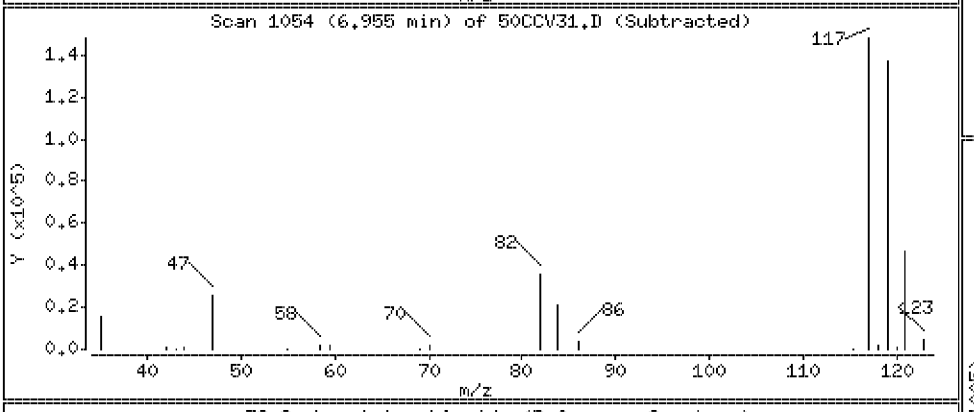
Sample Info: 061507CCVA31

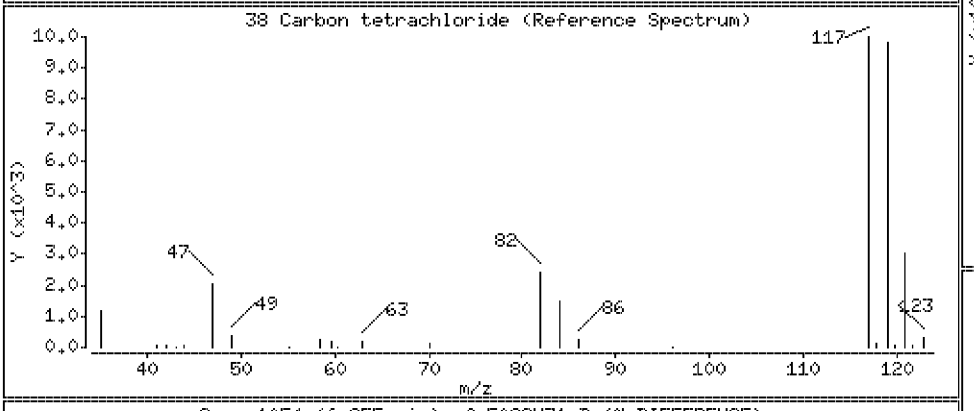
Purge Volume: 5.0 Operator:

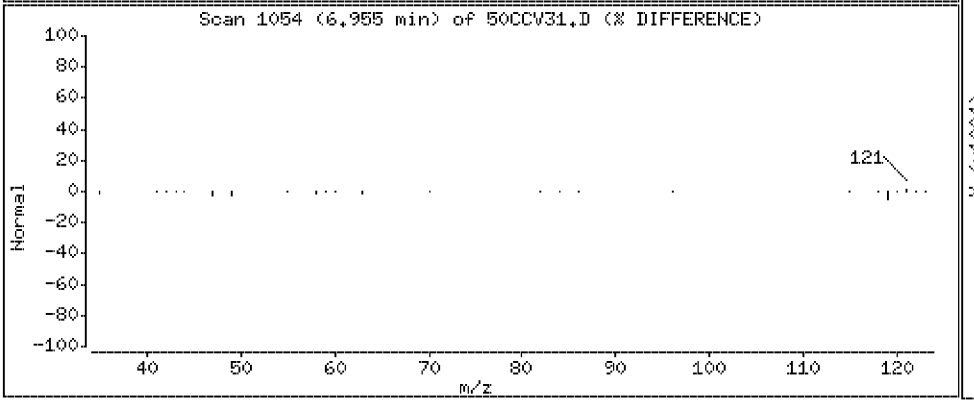
Column phase: DB-624 Column diameter: 0.18

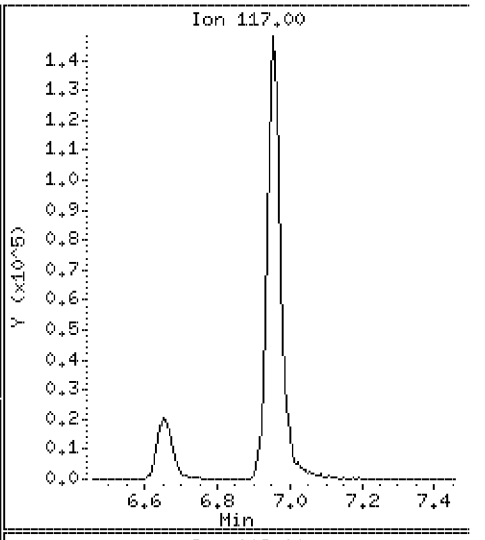
38 Carbon tetrachloride Concentration: 51.0 ug/l

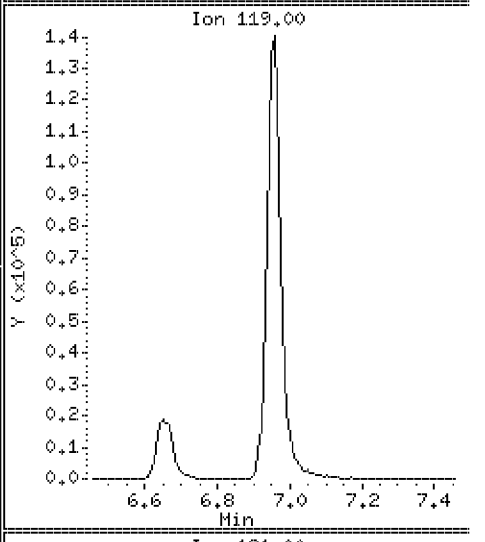


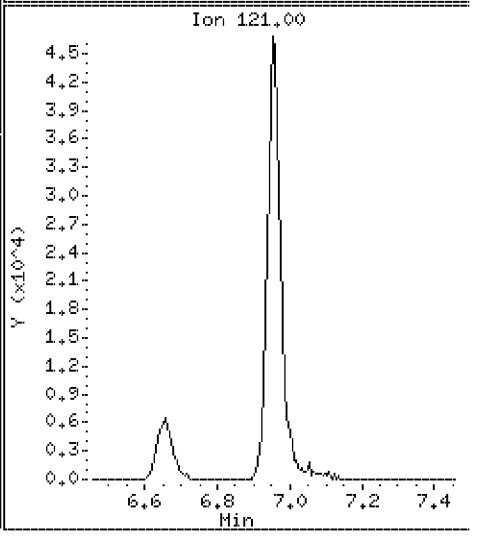












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

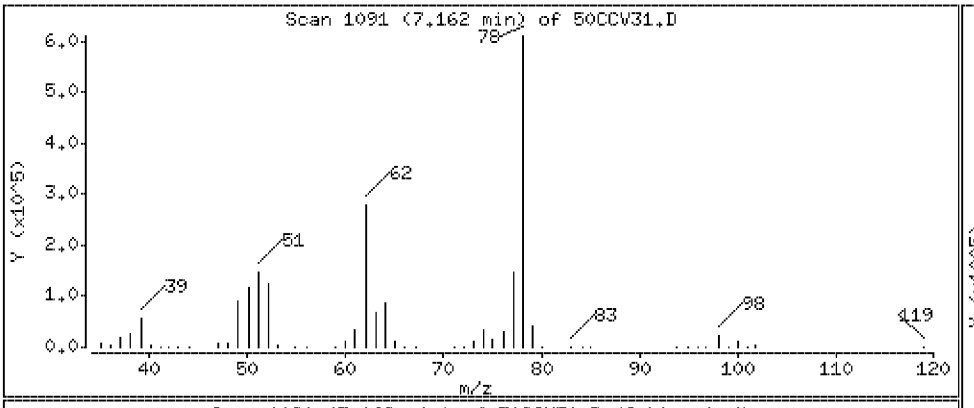
Client ID: 061507CCVA31 Instrument: vms03.i

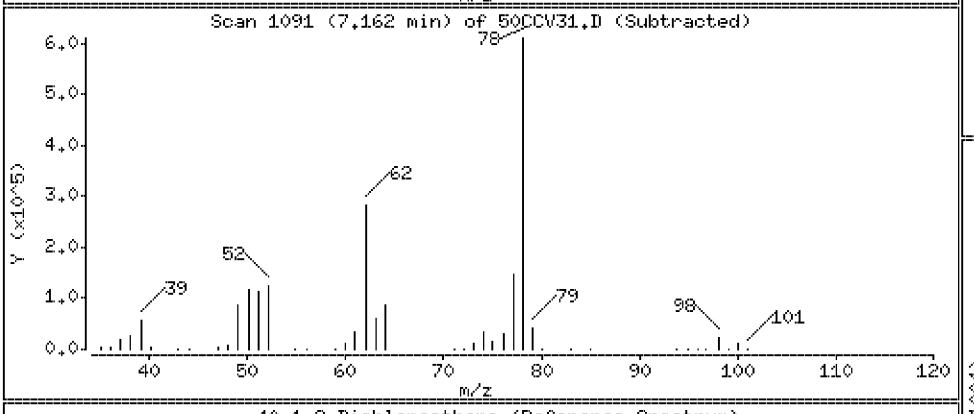
Sample Info: 061507CCVA31

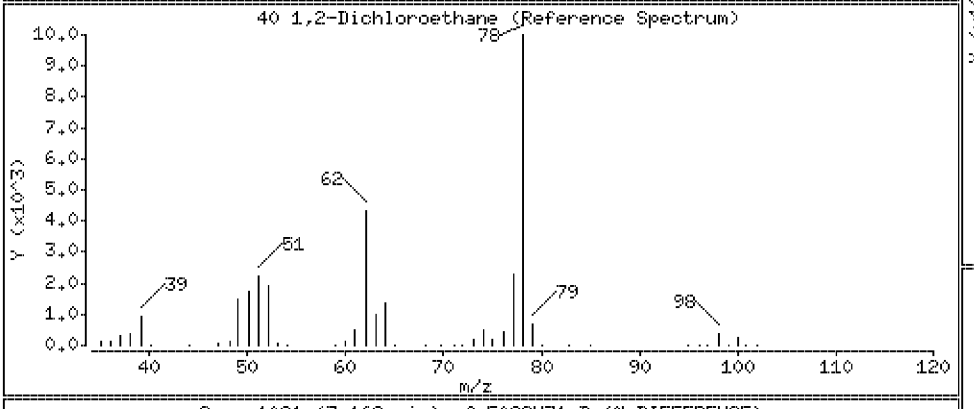
Purge Volume: 5.0 Operator:

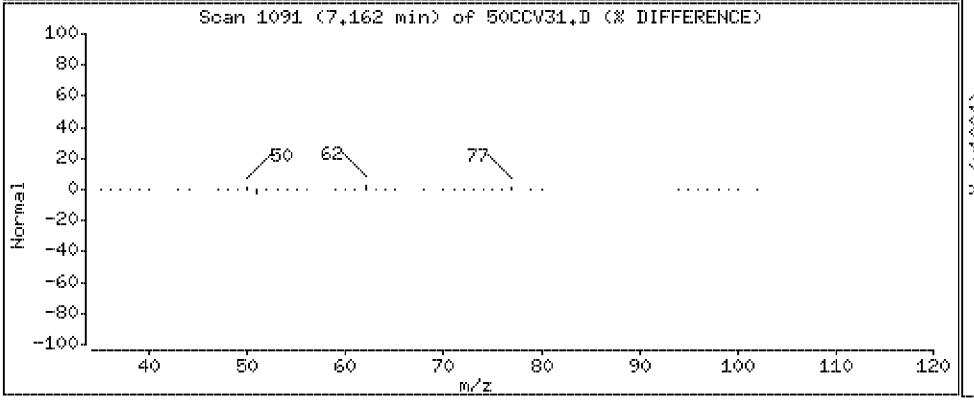
Column phase: DB-624 Column diameter: 0.18

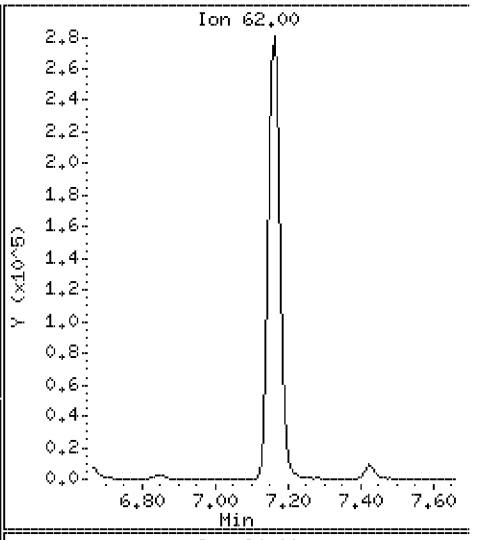
40 1,2-Dichloroethane Concentration: 48.9 ug/l

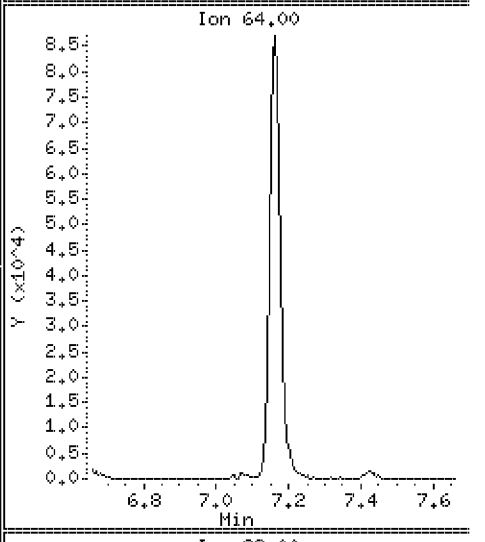


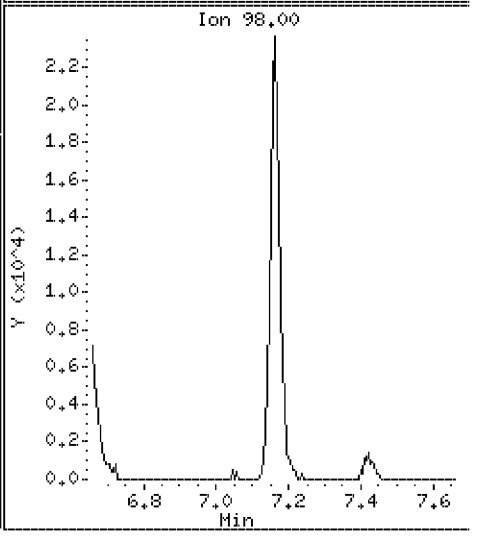












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

Client ID: 061507CCVA31

Instrument: vms03.i

Sample Info: 061507CCVA31

Purge Volume: 5.0

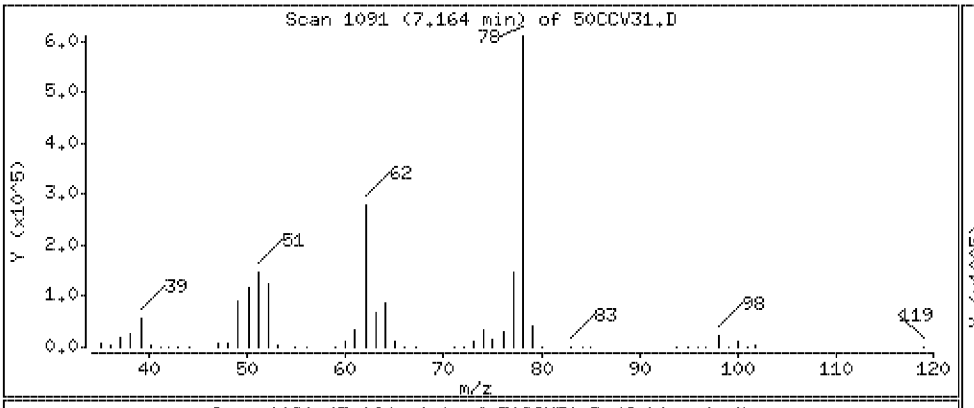
Operator:

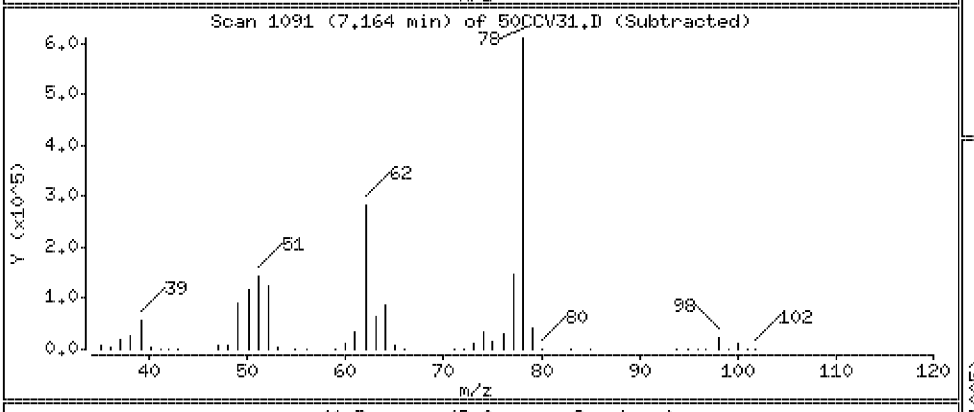
Column phase: DB-624

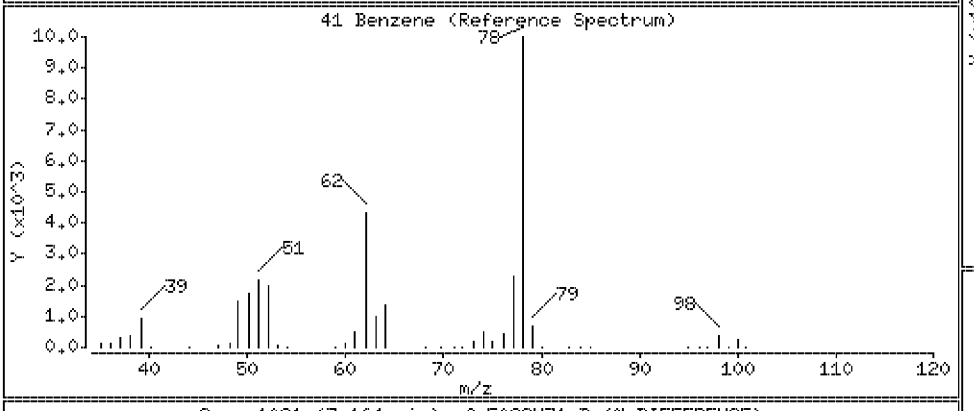
Column diameter: 0.18

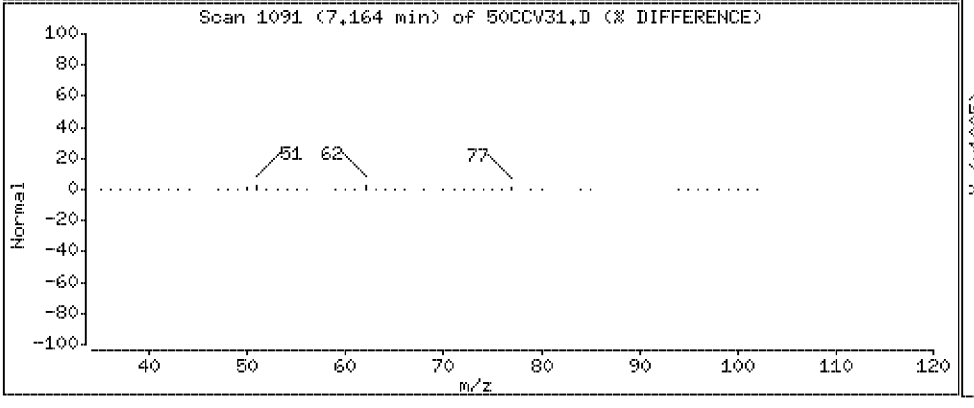
41 Benzene

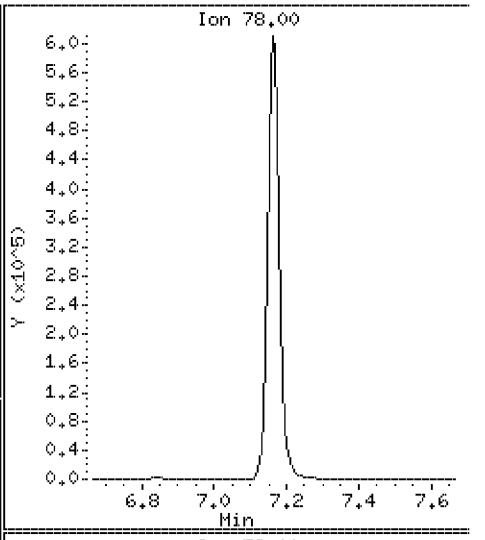
Concentration: 49.1 ug/l

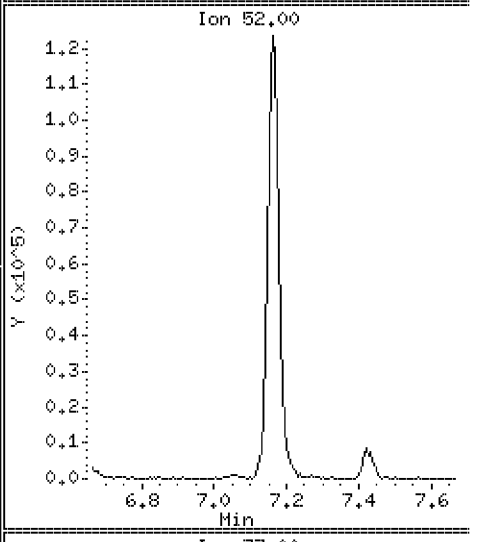


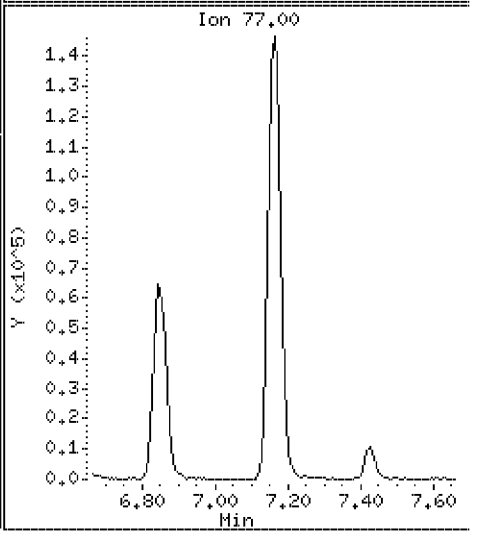












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

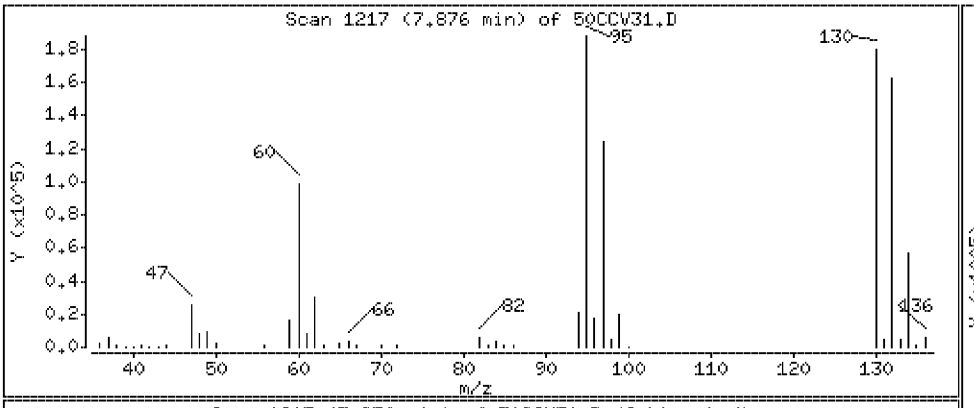
Client ID: 061507CCVA31 Instrument: vms03.i

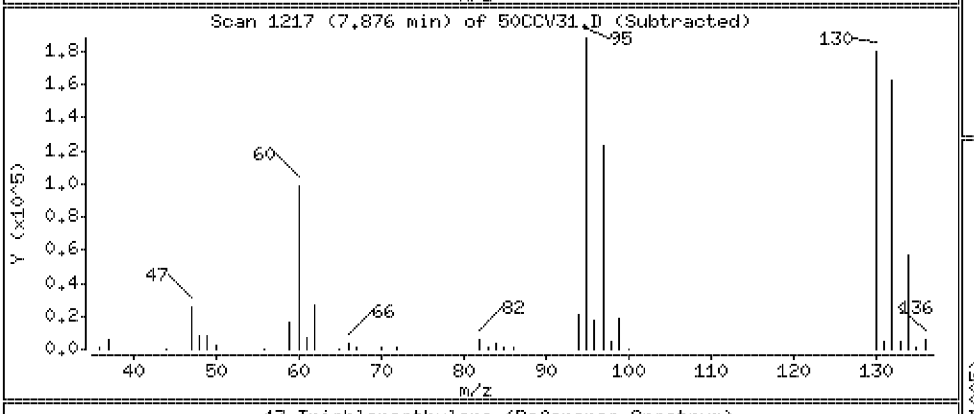
Sample Info: 061507CCVA31

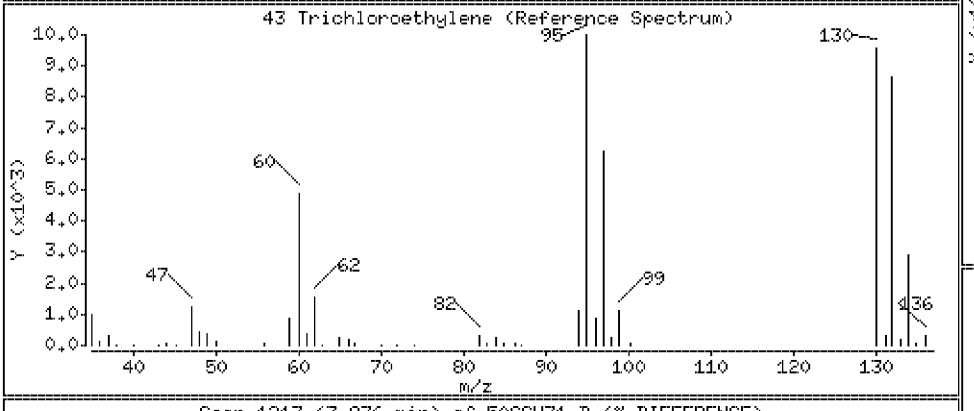
Purge Volume: 5.0 Operator:

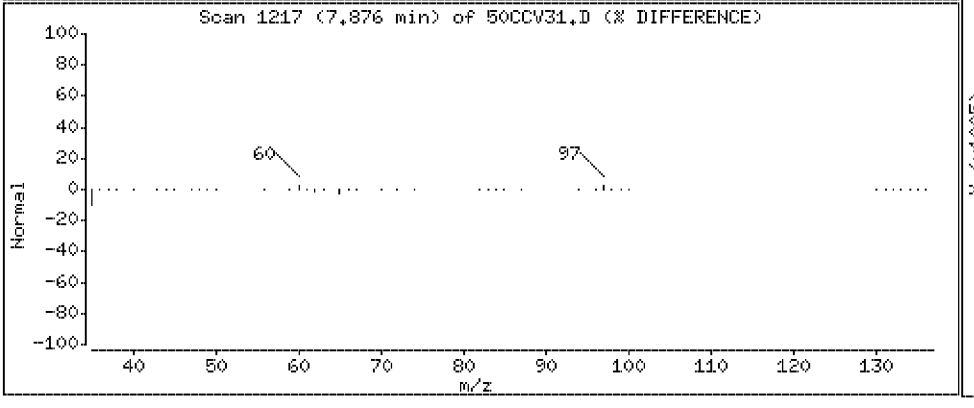
Column phase: DB-624 Column diameter: 0.18

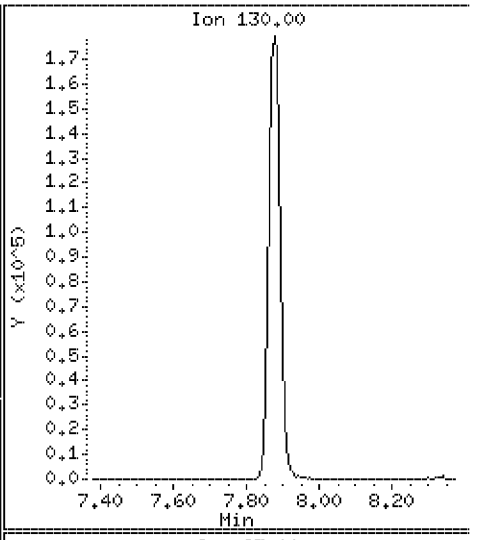
43 Trichloroethylene Concentration: 50.4 ug/l

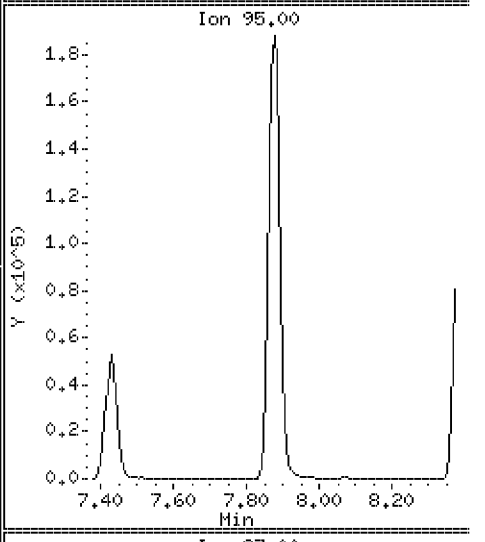


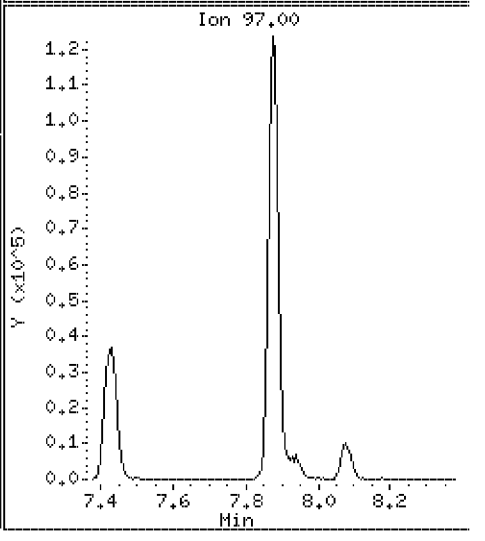












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

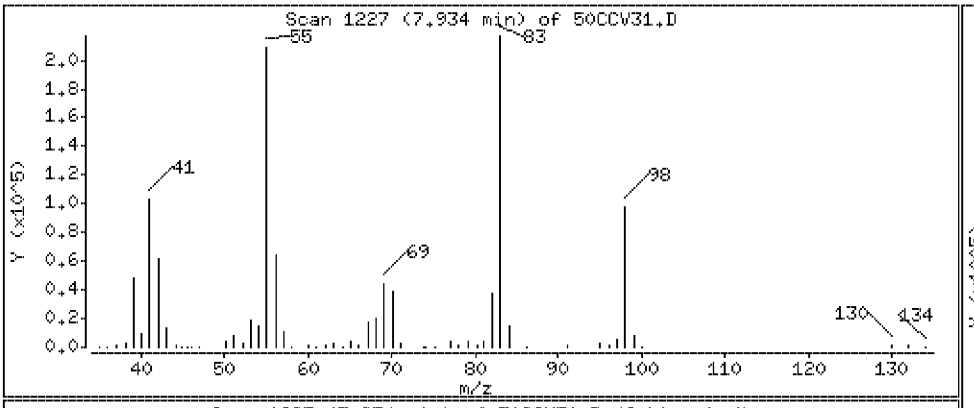
Client ID: 061507CCVA31 Instrument: vms03.i

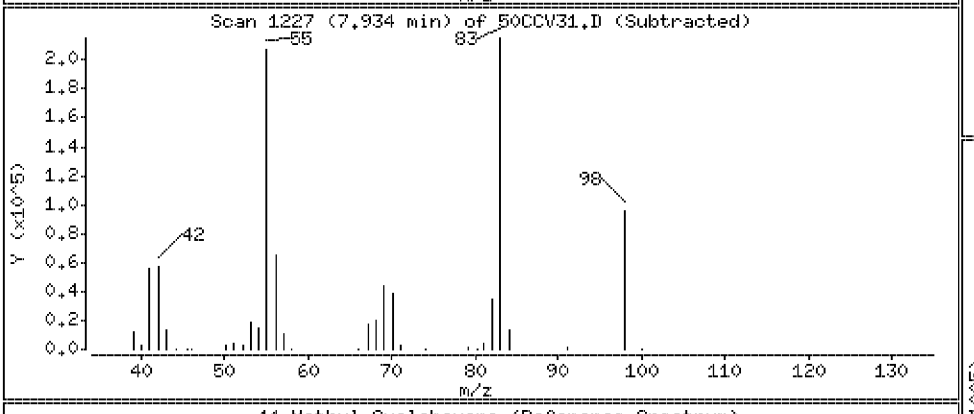
Sample Info: 061507CCVA31

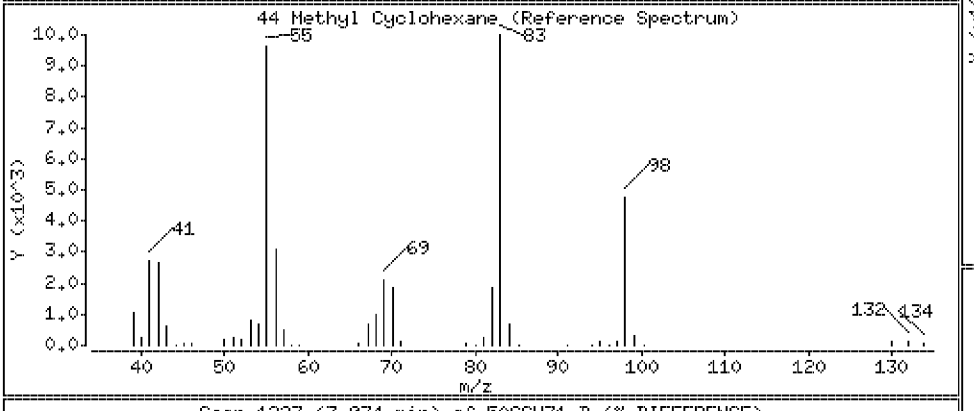
Purge Volume: 5.0 Operator:

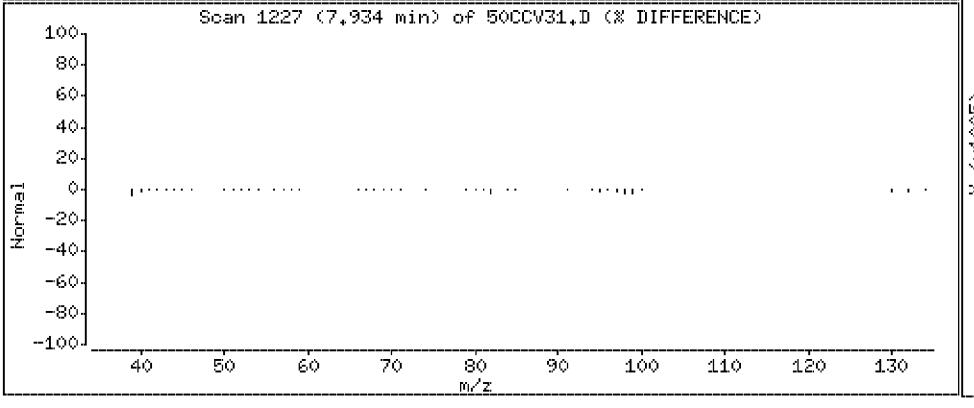
Column phase: DB-624 Column diameter: 0.18

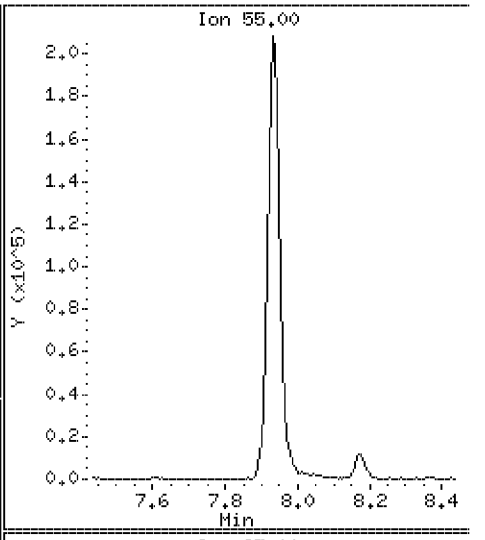
44 Methyl Cyclohexane Concentration: 50.7 ug/l

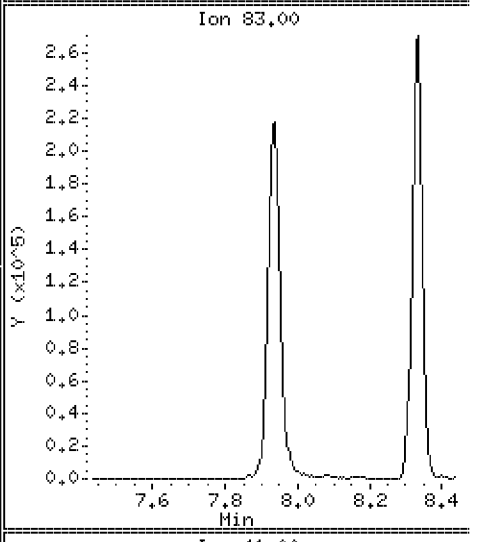


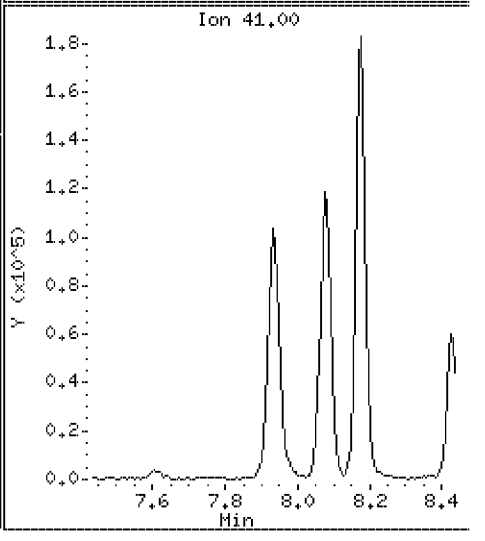












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

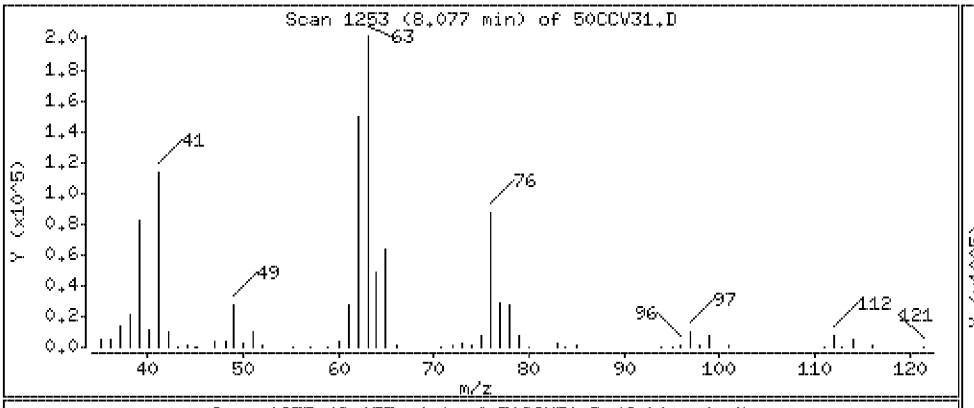
Client ID: 061507CCVA31 Instrument: vms03.i

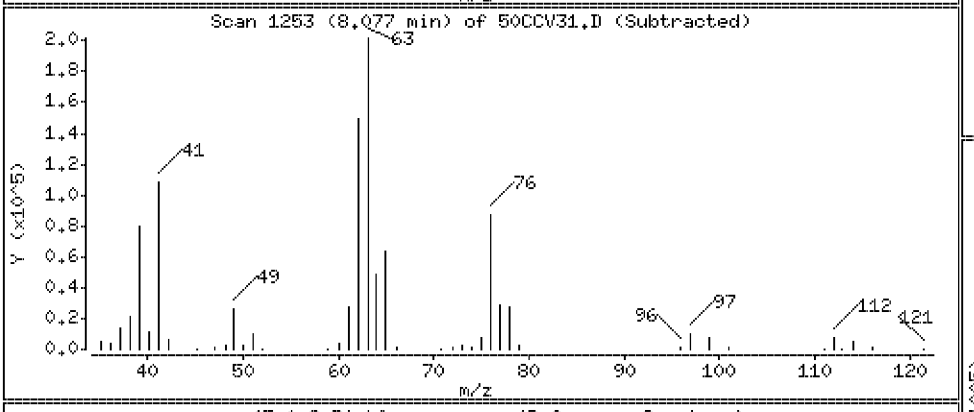
Sample Info: 061507CCVA31

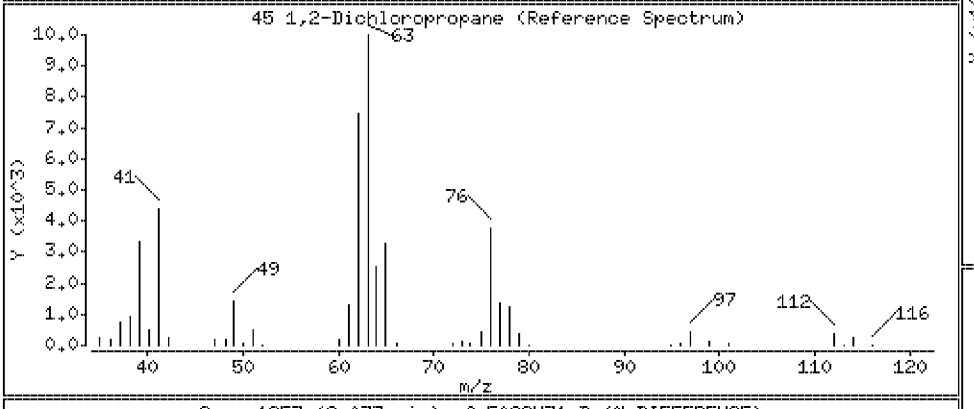
Purge Volume: 5.0 Operator:

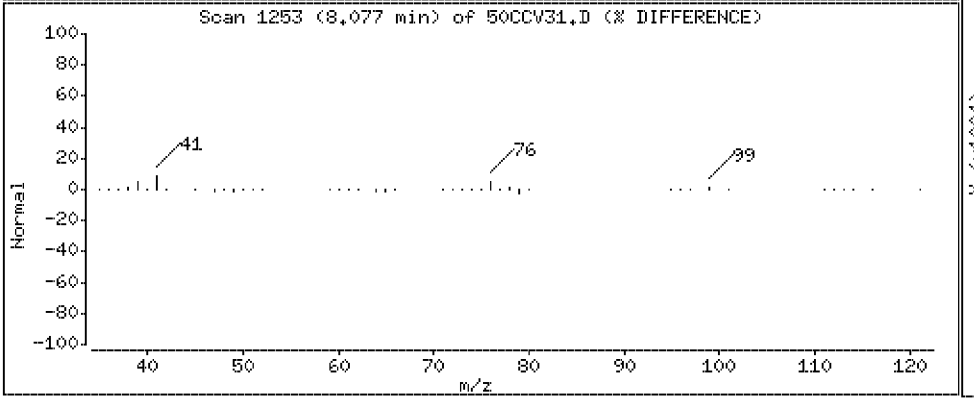
Column phase: DB-624 Column diameter: 0.18

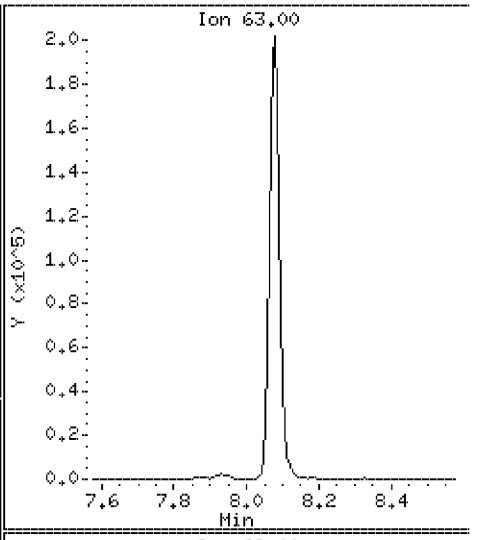
45 1,2-Dichloropropane Concentration: 49.5 ug/l

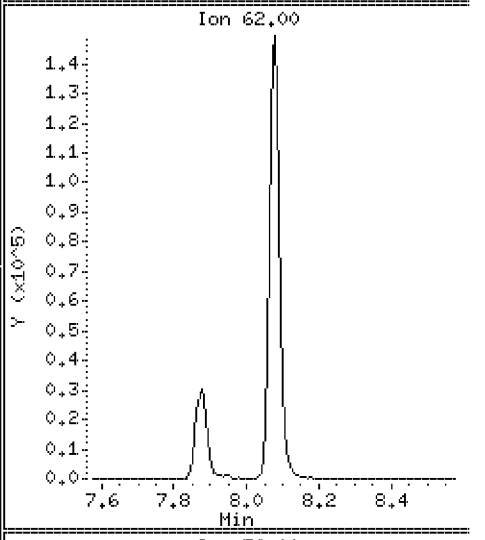


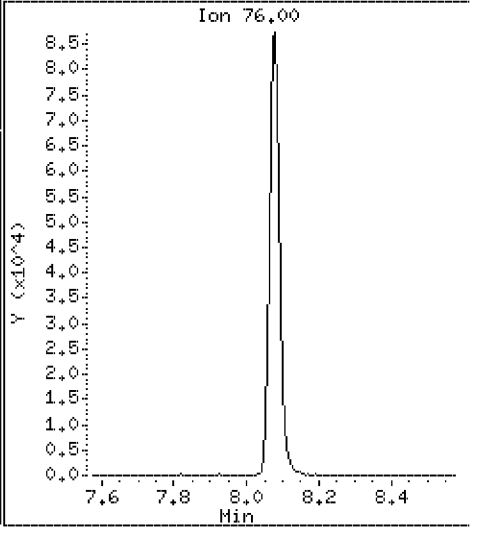












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

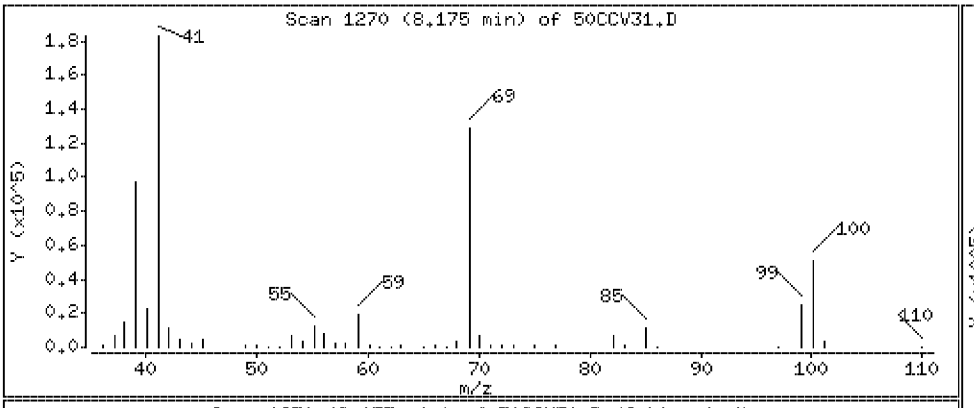
Client ID: 061507CCVA31 Instrument: vms03.i

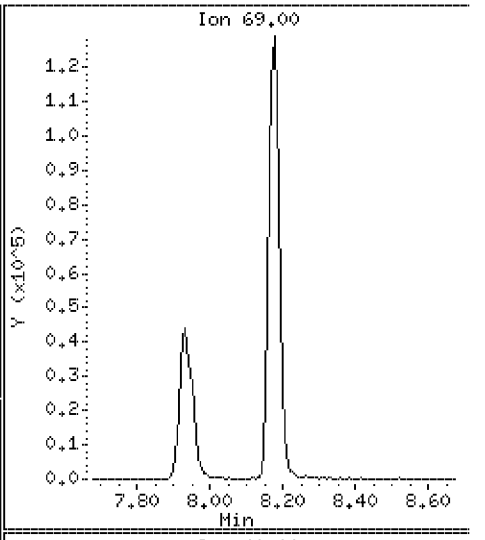
Sample Info: 061507CCVA31

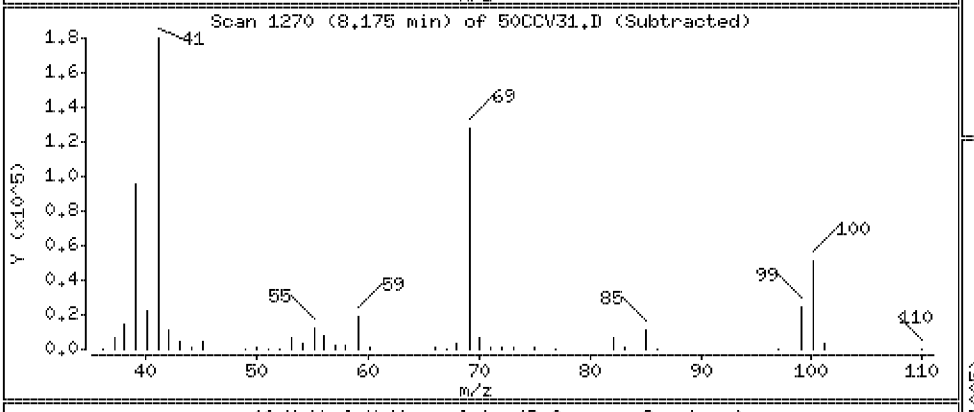
Purge Volume: 5.0 Operator:

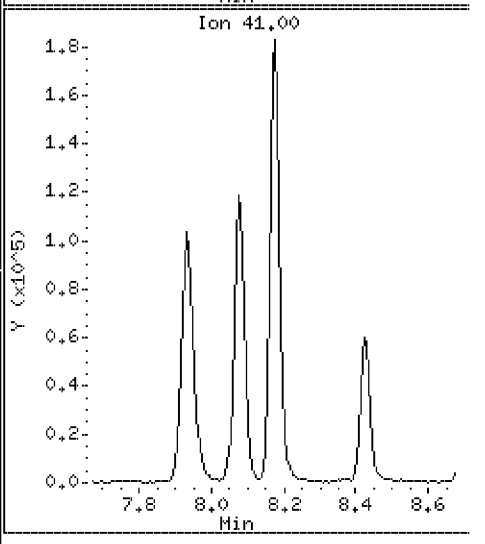
Column phase: DB-624 Column diameter: 0.18

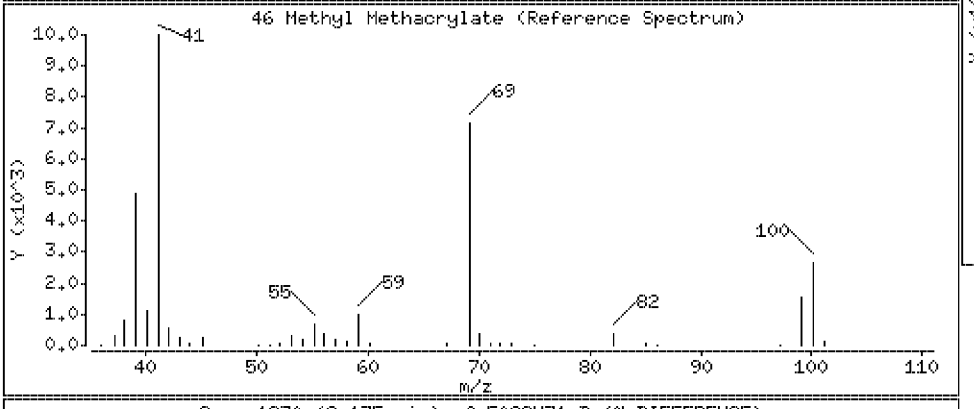
46 Methyl Methacrylate Concentration: 52.0 ug/l

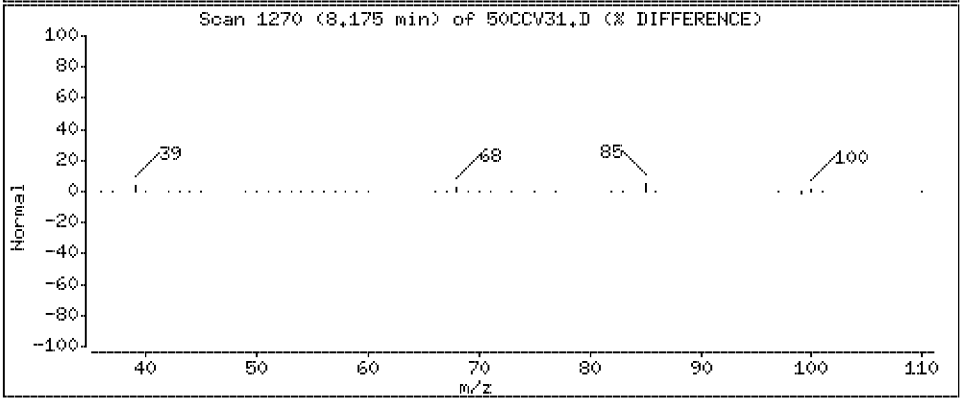












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

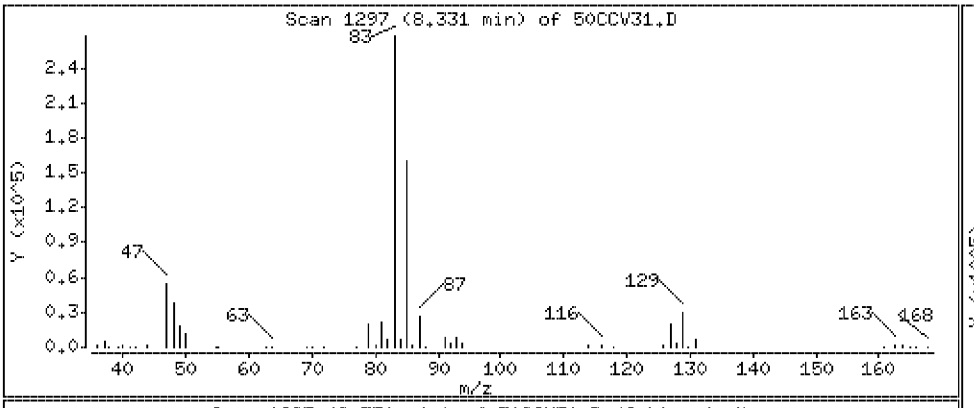
Client ID: 061507CCVA31 Instrument: vms03.i

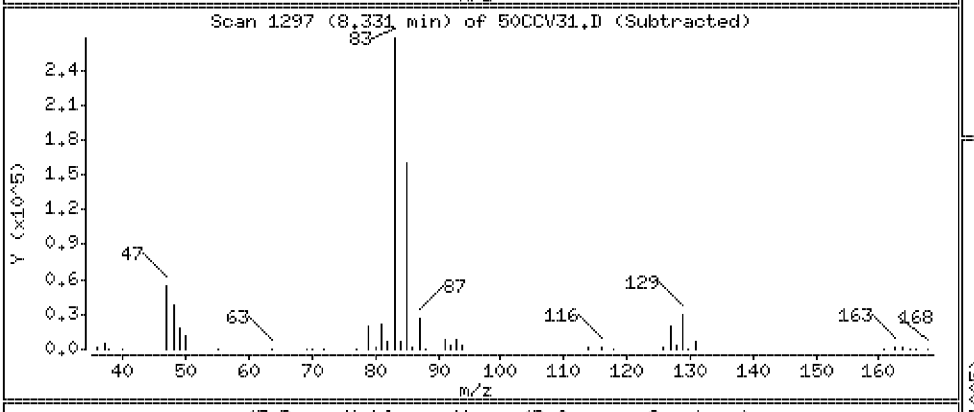
Sample Info: 061507CCVA31

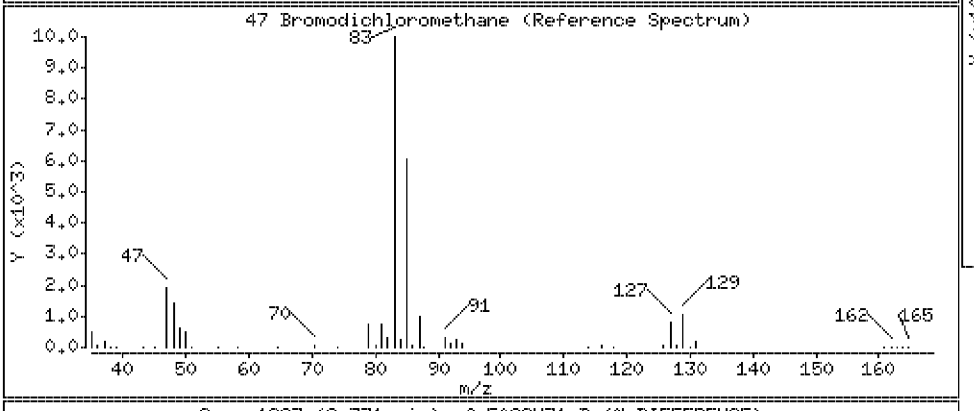
Purge Volume: 5.0 Operator:

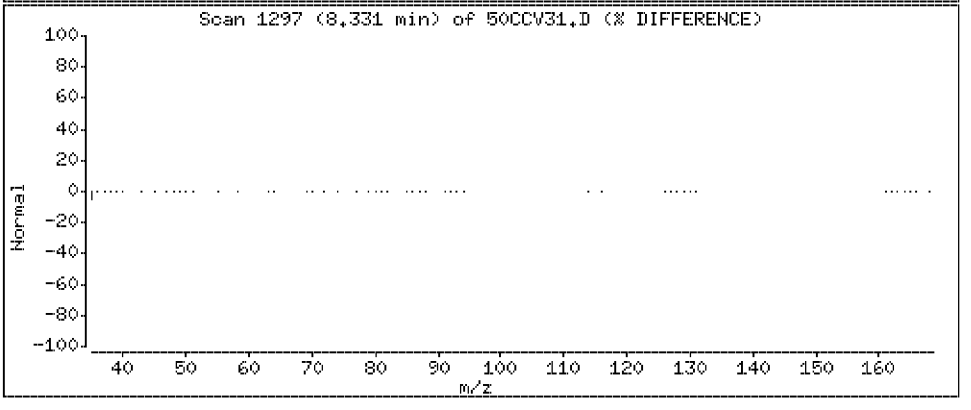
Column phase: DB-624 Column diameter: 0.18

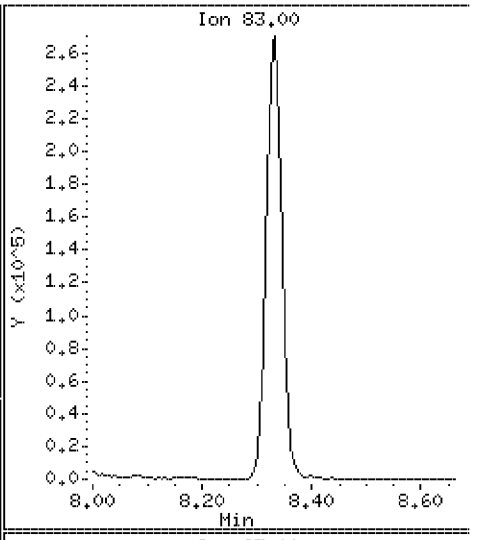
47 Bromodichloromethane Concentration: 51.2 ug/l

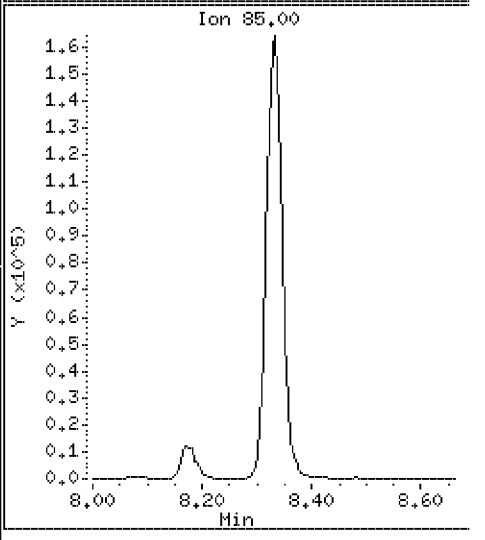












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

Client ID: 061507CCVA31

Instrument: vms03.i

Sample Info: 061507CCVA31

Purge Volume: 5.0

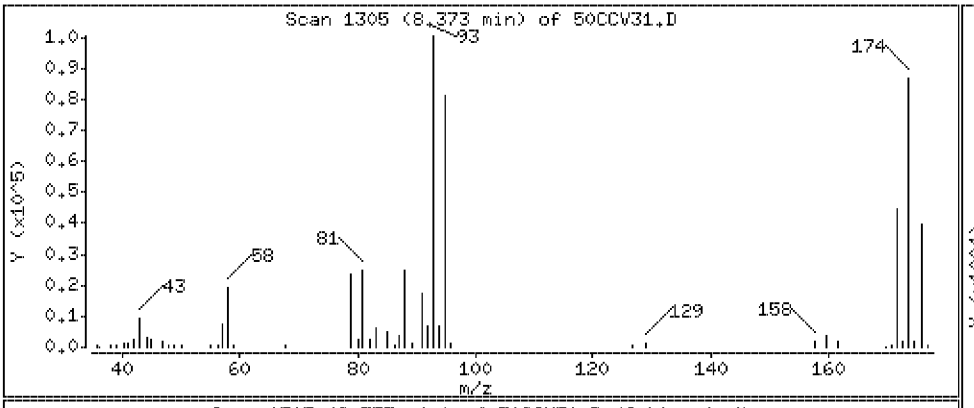
Operator:

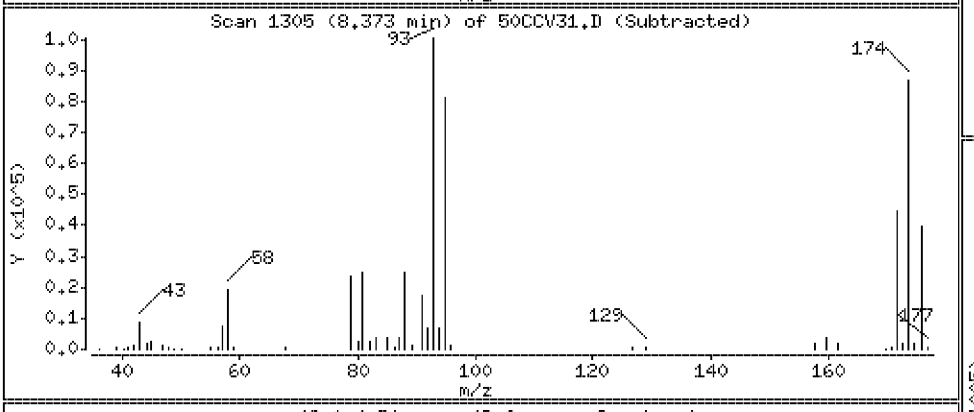
Column phase: DB-624

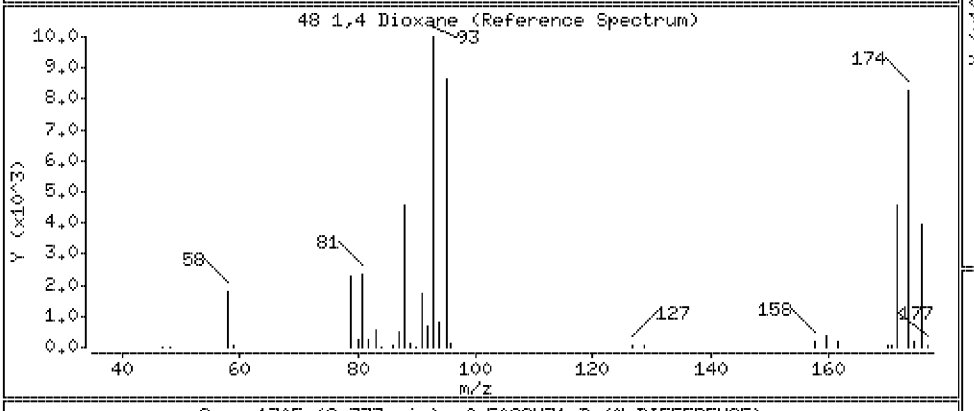
Column diameter: 0.18

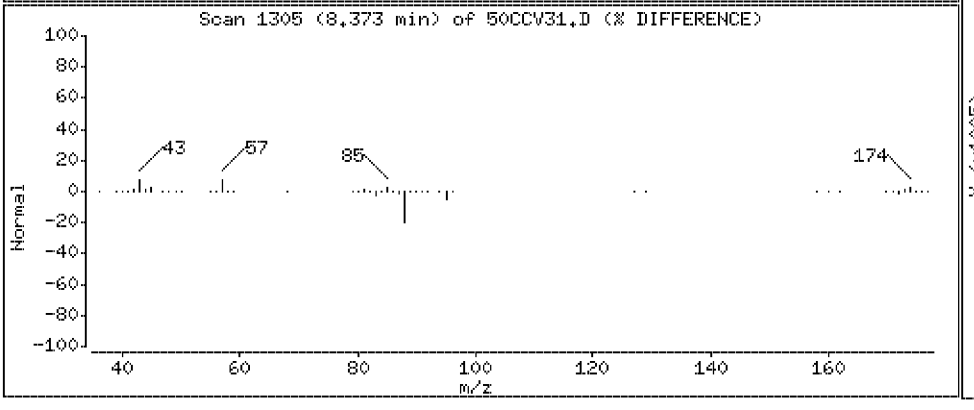
48 1,4 Dioxane

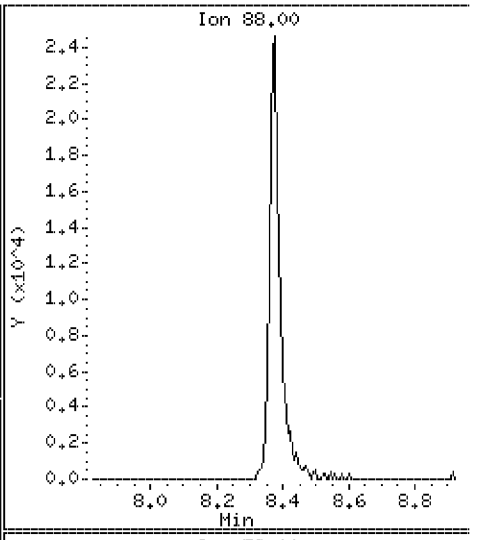
Concentration: 839 ug/l

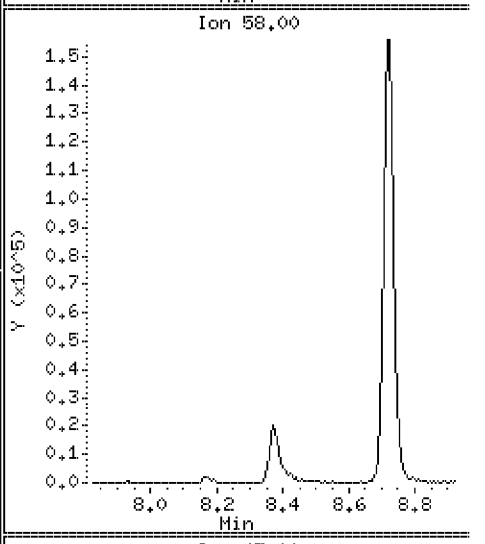


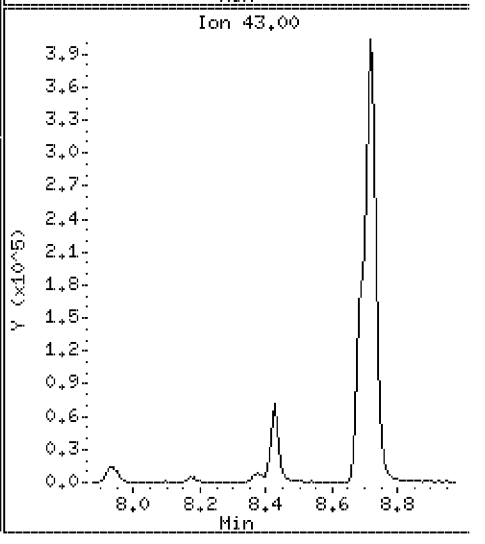












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

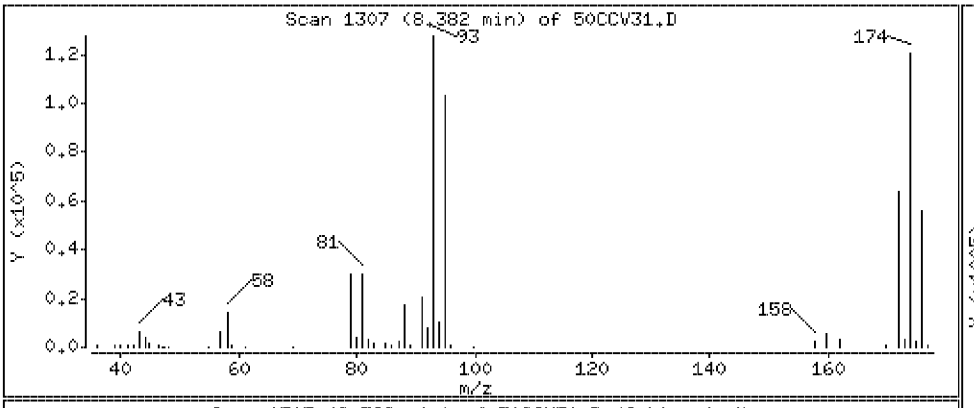
Client ID: 061507CCVA31 Instrument: vms03.i

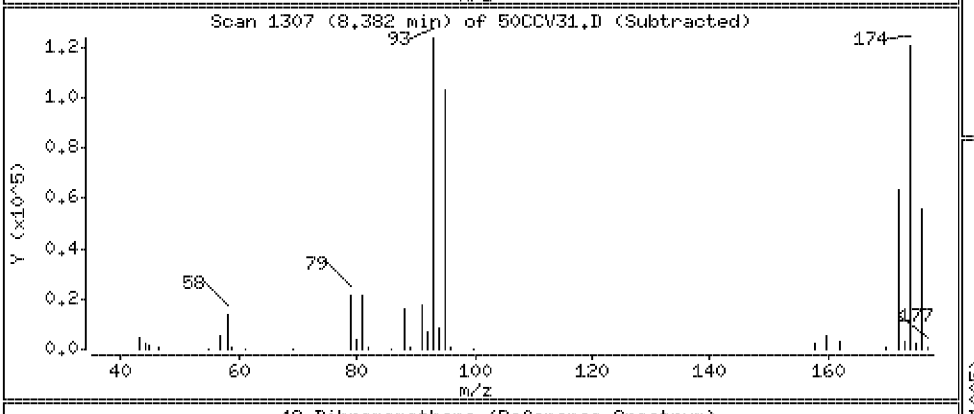
Sample Info: 061507CCVA31

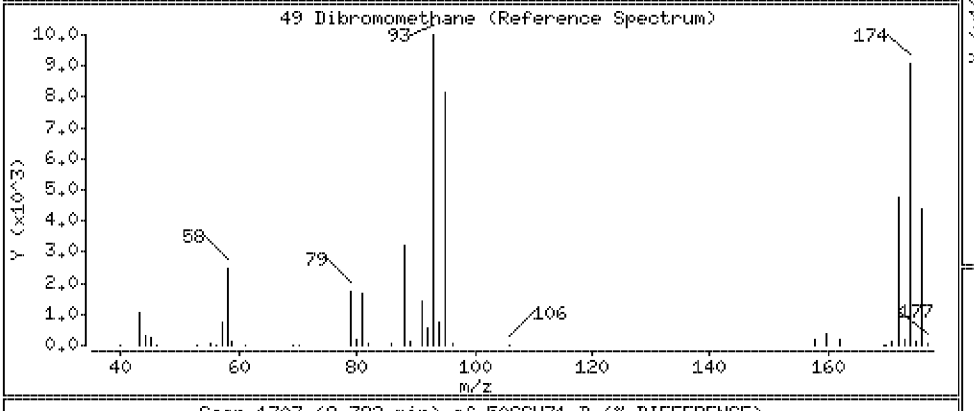
Purge Volume: 5.0 Operator:

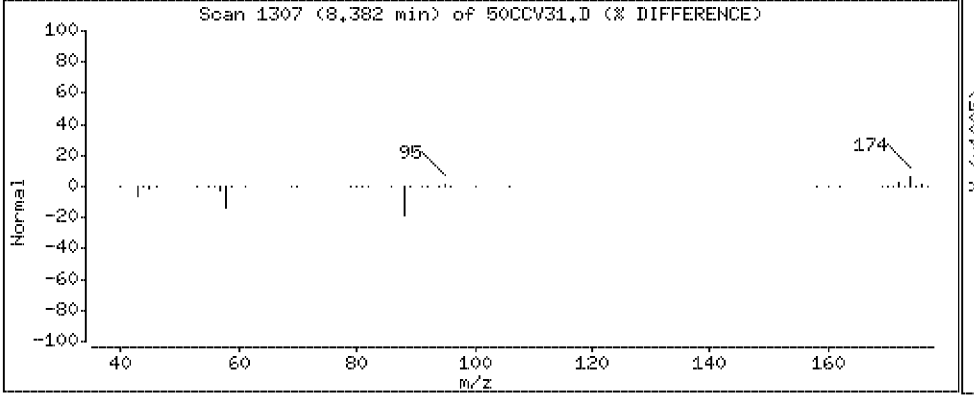
Column phase: DB-624 Column diameter: 0.18

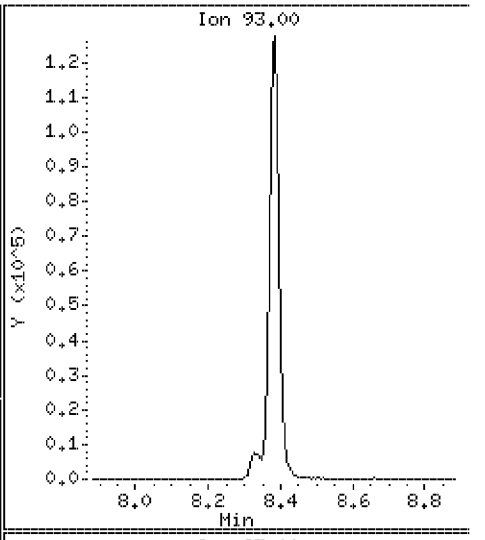
49 Dibromomethane Concentration: 50.0 ug/l

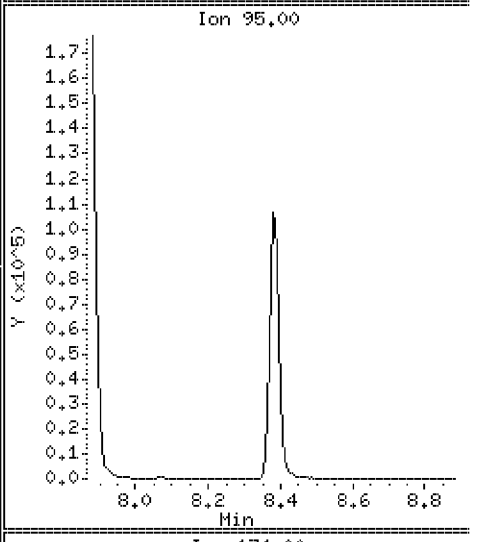


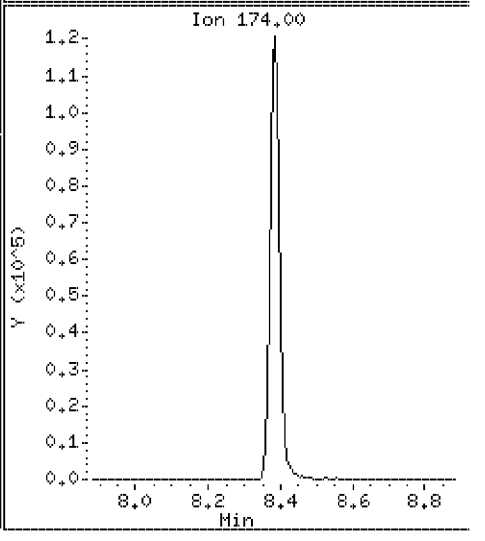












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

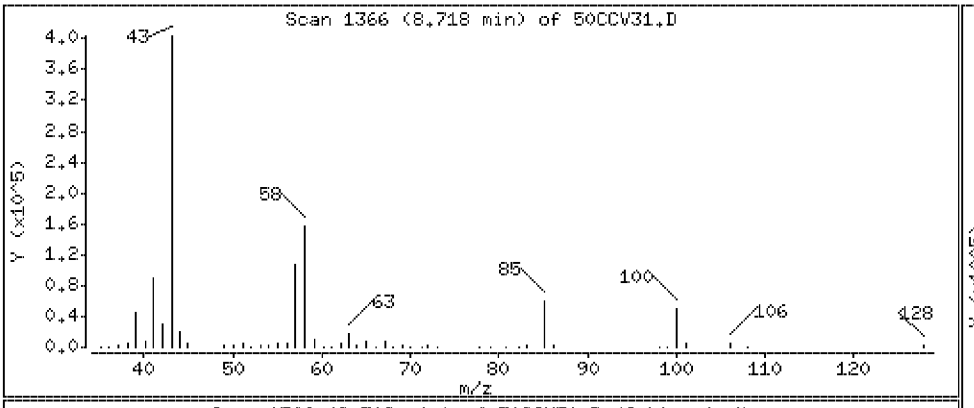
Client ID: 061507CCVA31 Instrument: vms03.i

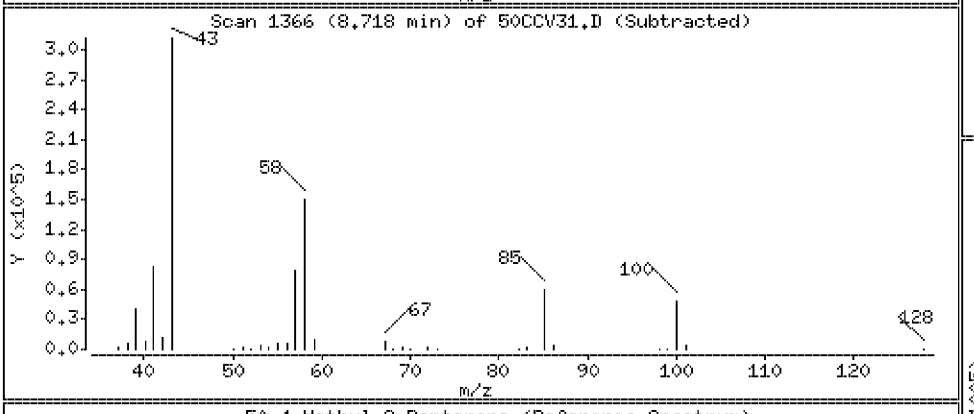
Sample Info: 061507CCVA31

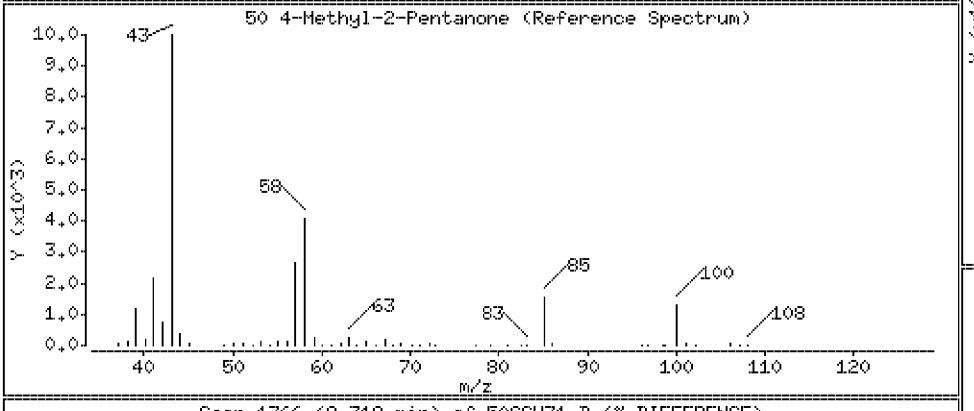
Purge Volume: 5.0 Operator:

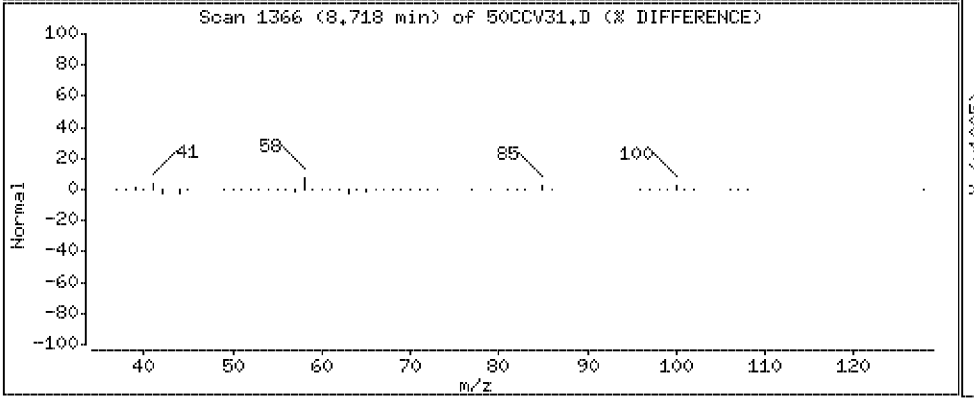
Column phase: DB-624 Column diameter: 0.18

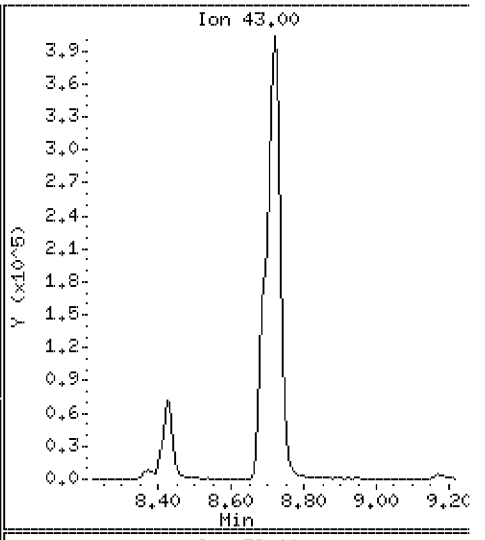
50 4-Methyl-2-Pentanone Concentration: 105 ug/l

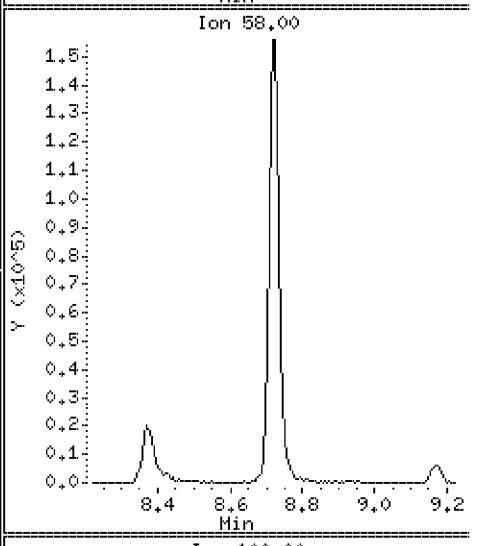


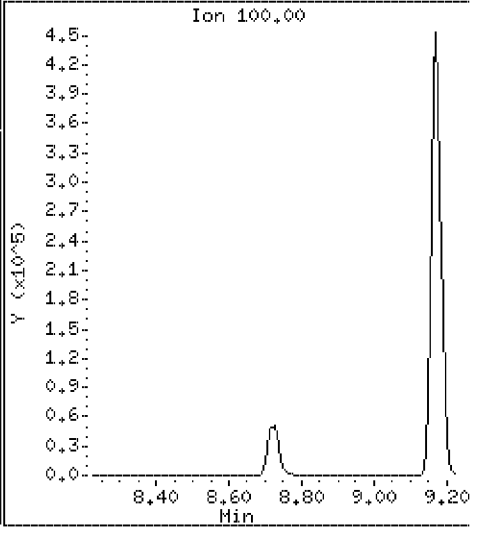












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

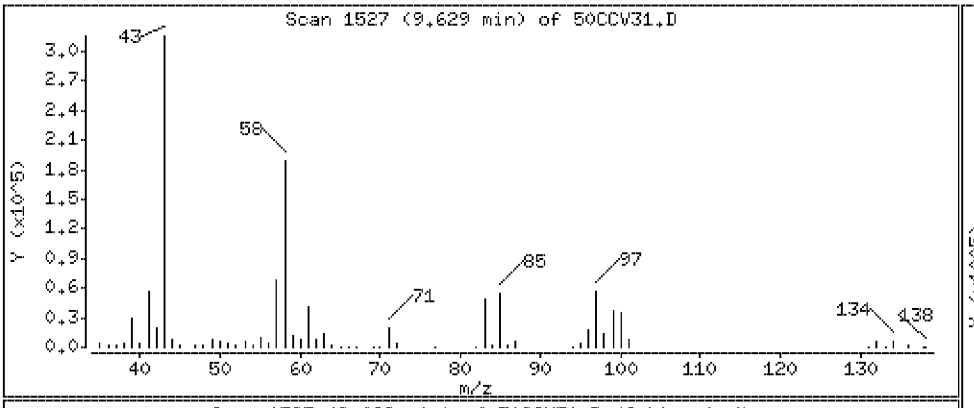
Client ID: 061507CCVA31 Instrument: vms03.i

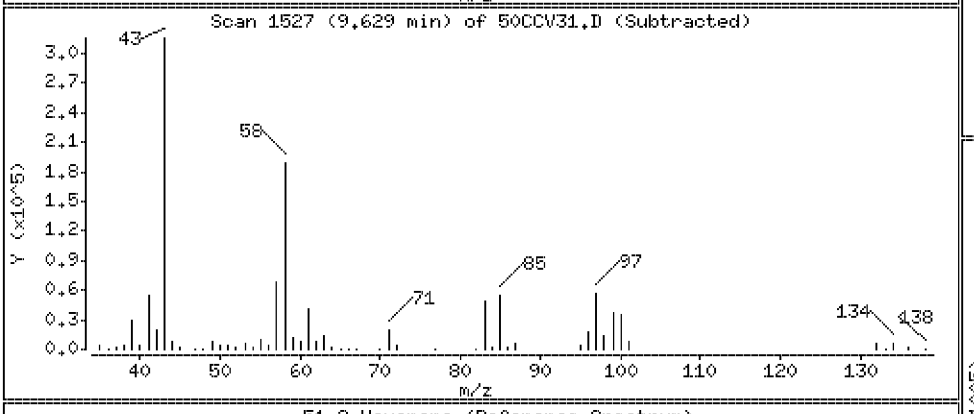
Sample Info: 061507CCVA31

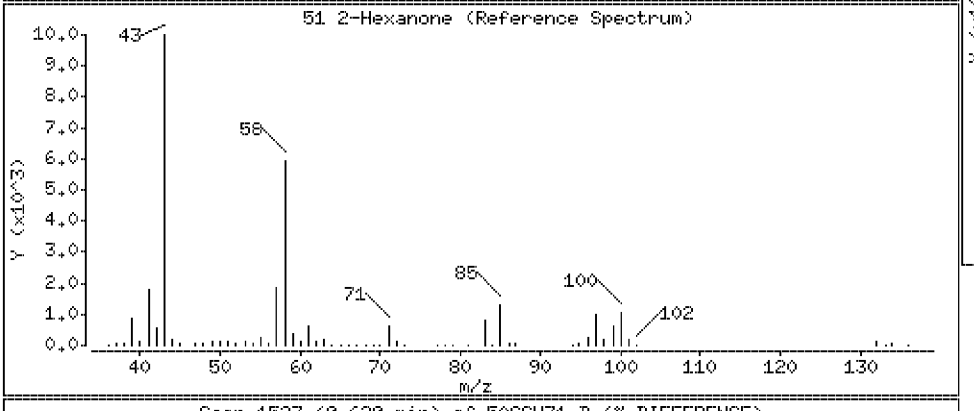
Purge Volume: 5.0 Operator:

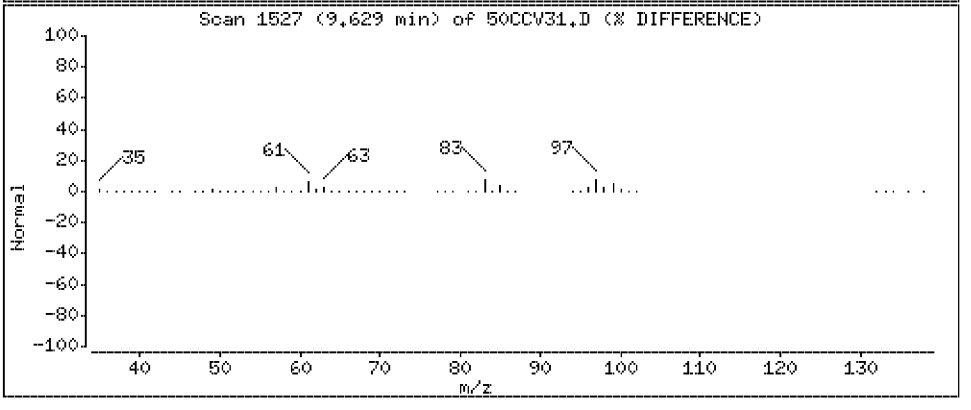
Column phase: DB-624 Column diameter: 0.18

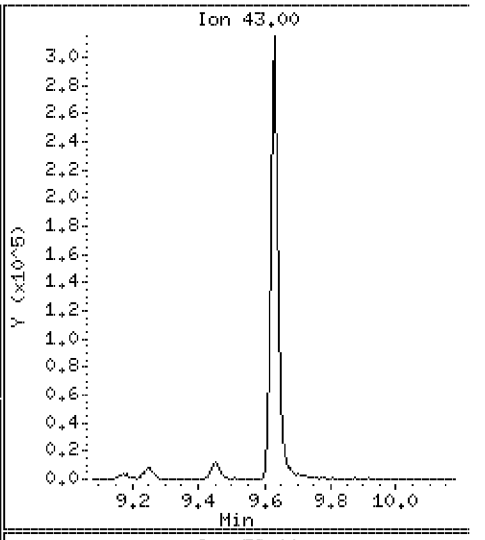
51 2-Hexanone Concentration: 109 ug/l

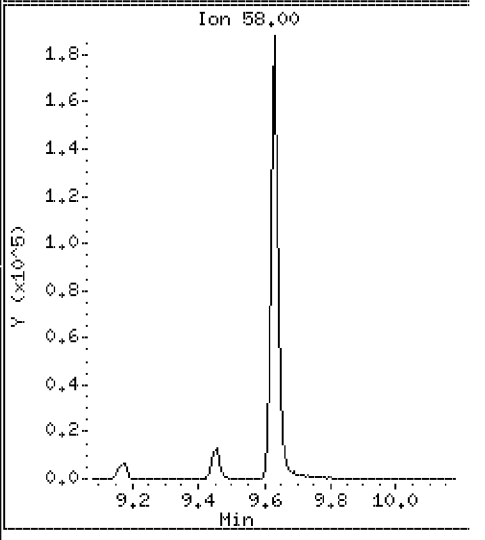












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

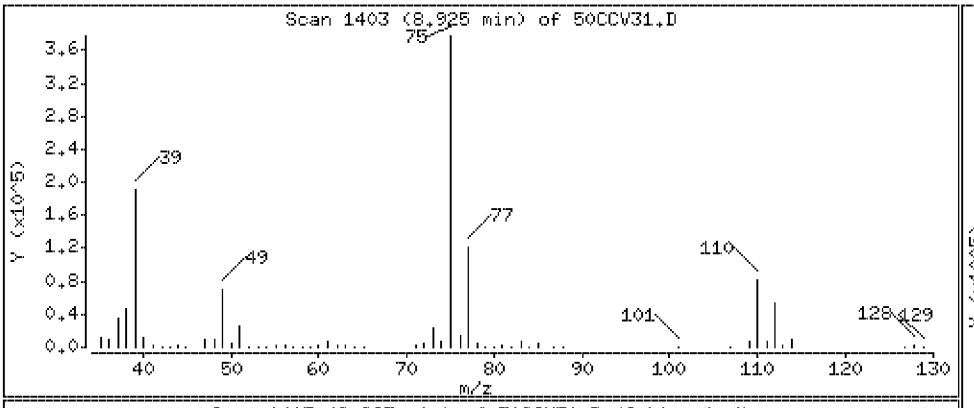
Client ID: 061507CCVA31 Instrument: vms03.i

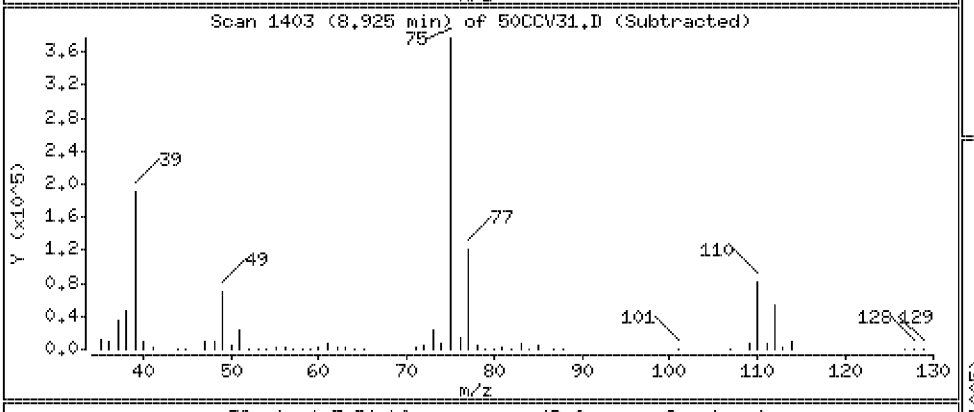
Sample Info: 061507CCVA31

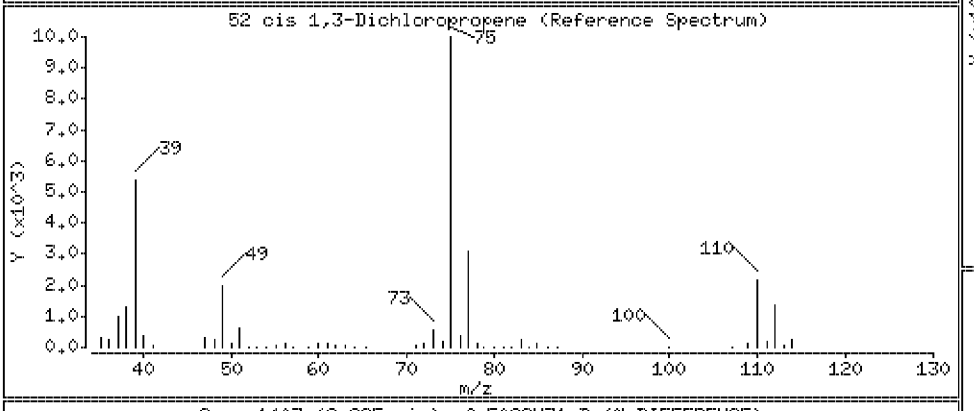
Purge Volume: 5.0 Operator:

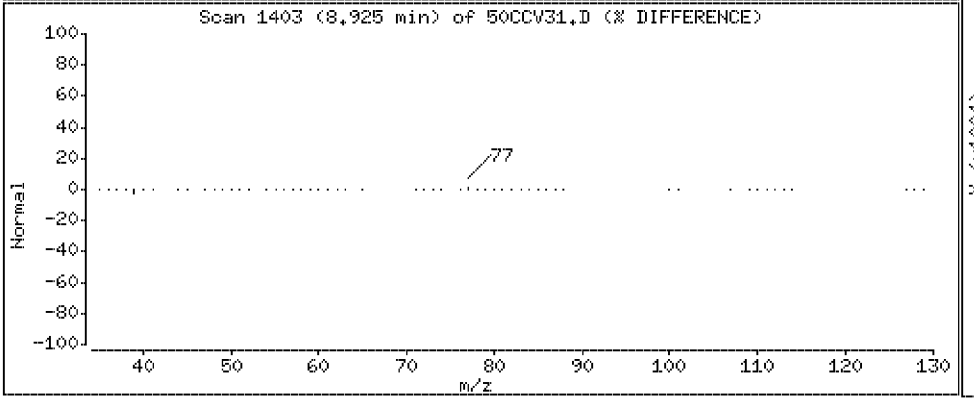
Column phase: DB-624 Column diameter: 0.18

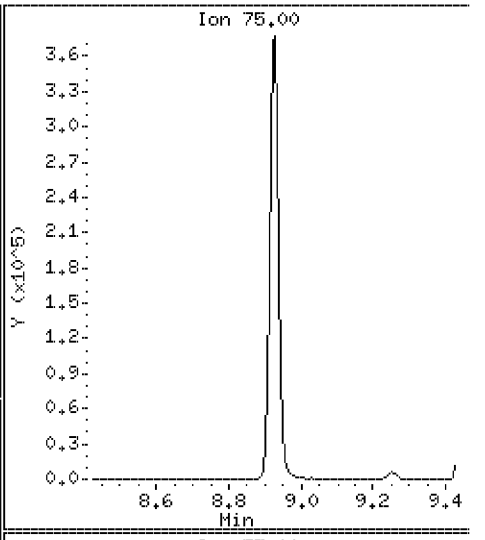
52 cis 1,3-Dichloropropene Concentration: 53.2 ug/l

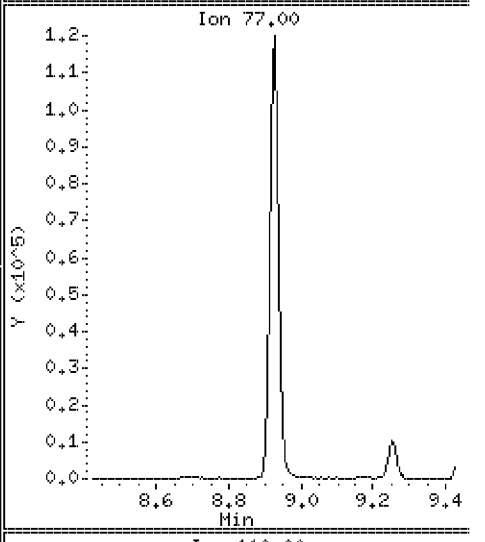


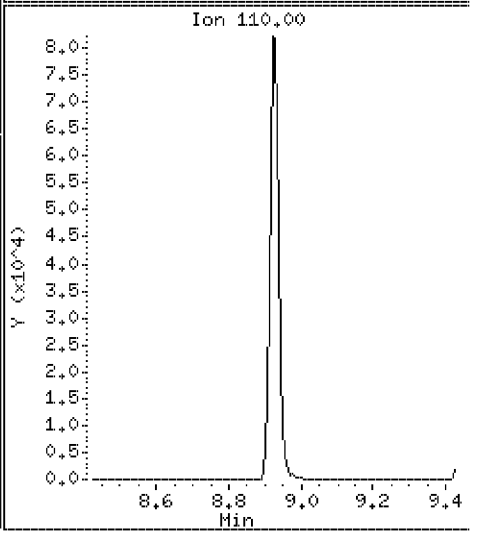












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

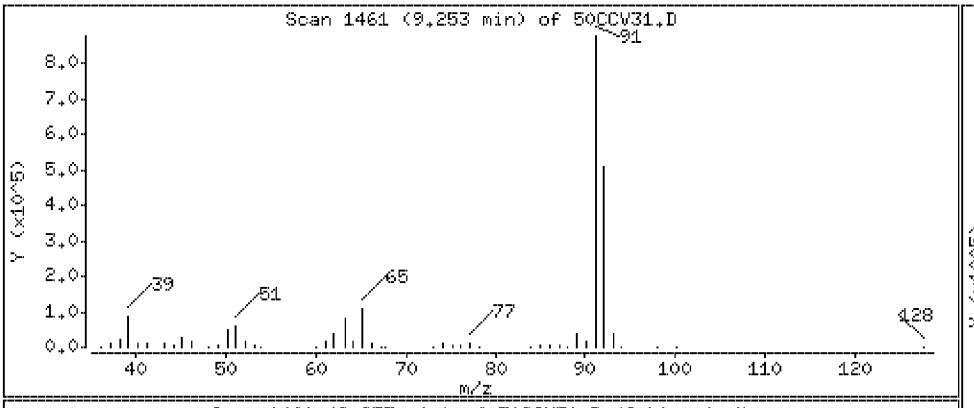
Client ID: 061507CCVA31 Instrument: vms03.i

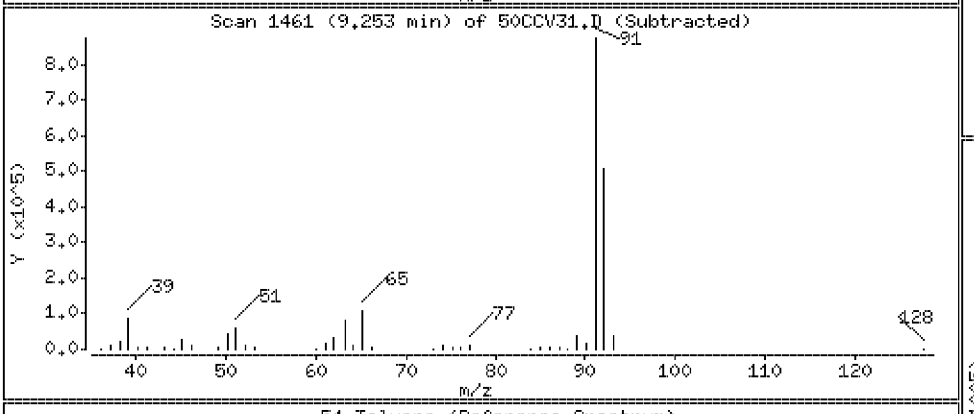
Sample Info: 061507CCVA31

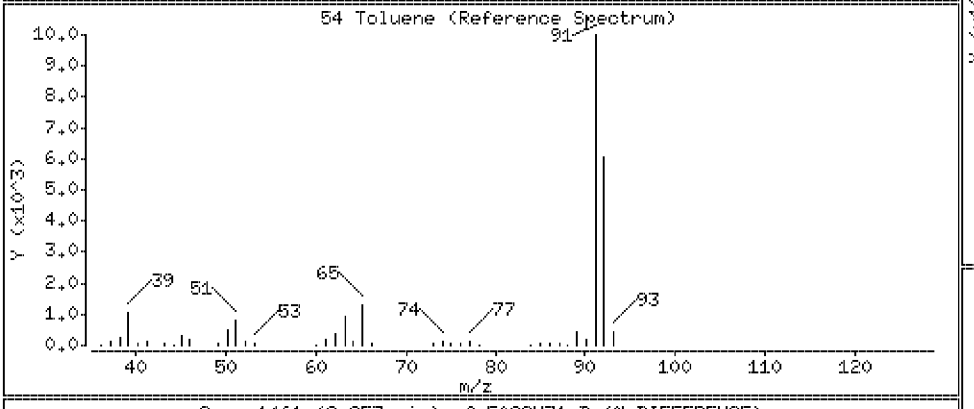
Purge Volume: 5.0 Operator:

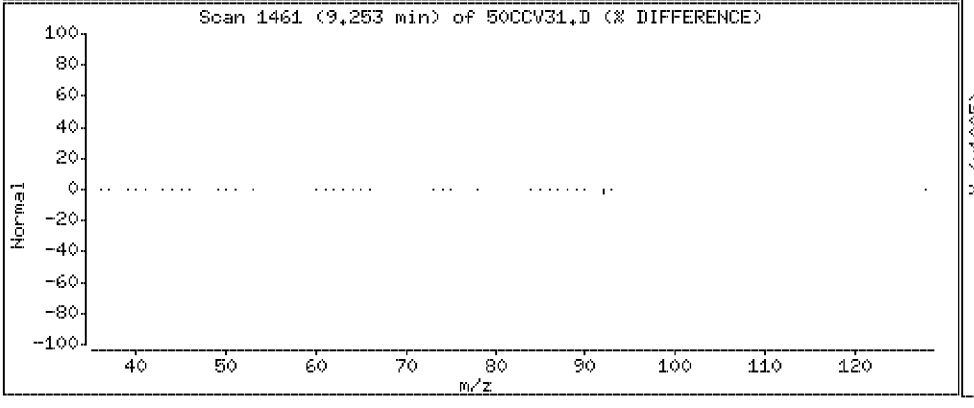
Column phase: DB-624 Column diameter: 0.18

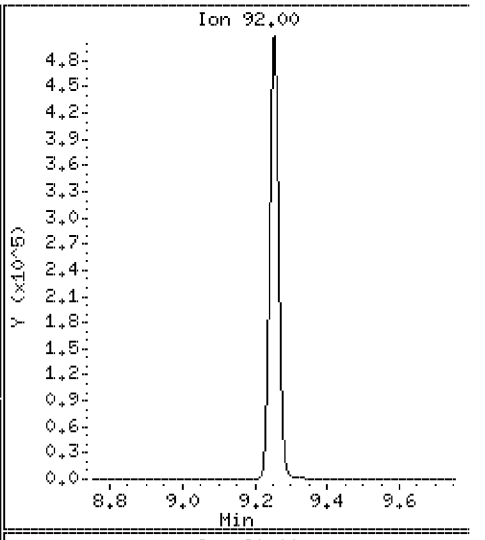
54 Toluene Concentration: 50.0 ug/l

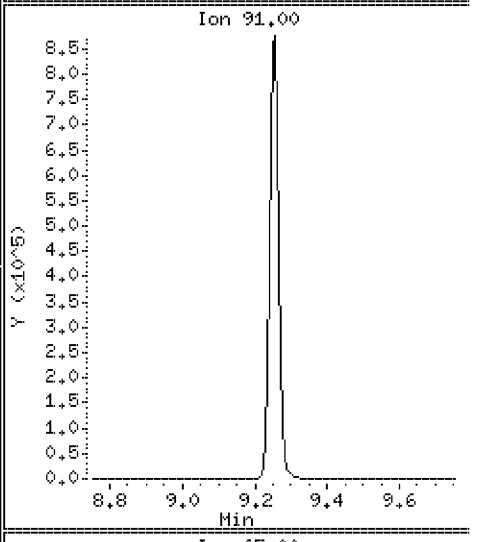


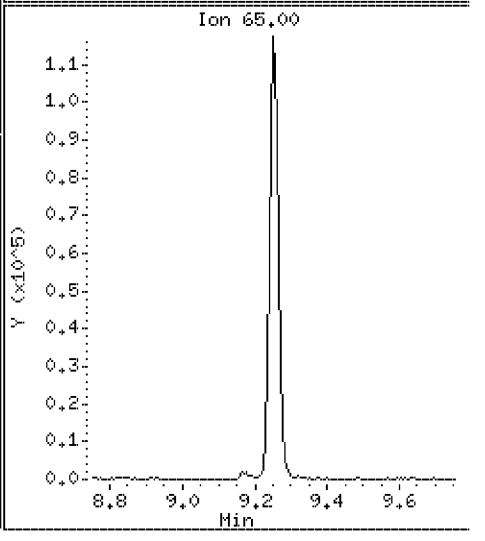












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

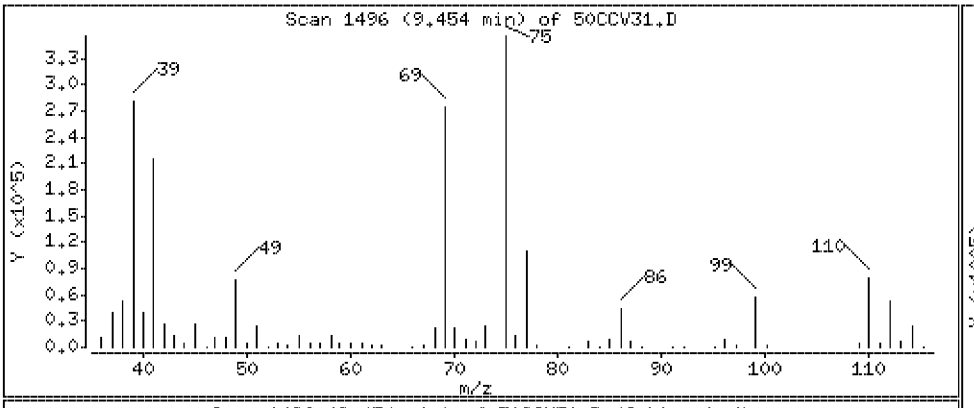
Client ID: 061507CCVA31 Instrument: vms03.i

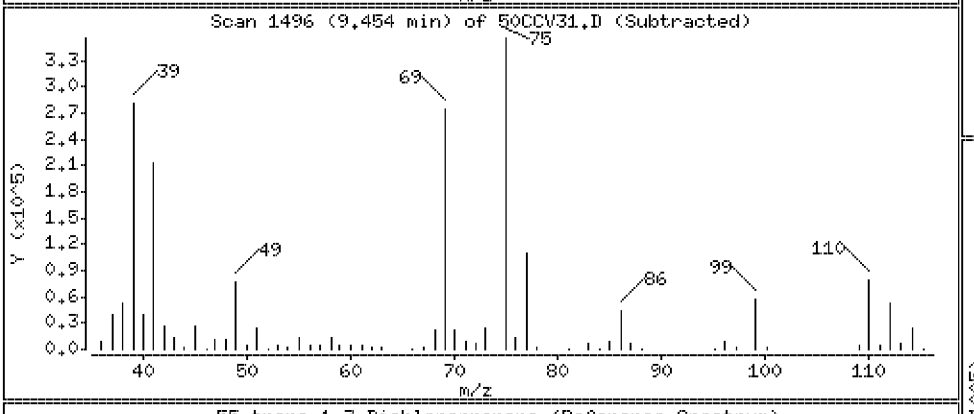
Sample Info: 061507CCVA31

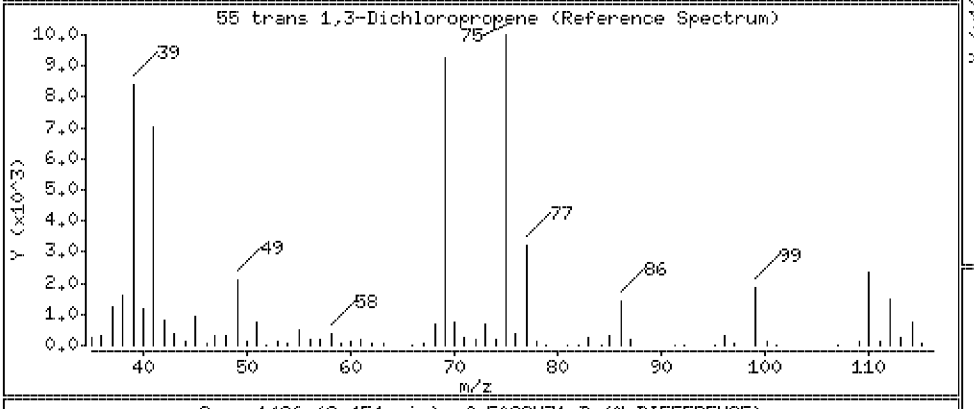
Purge Volume: 5.0 Operator:

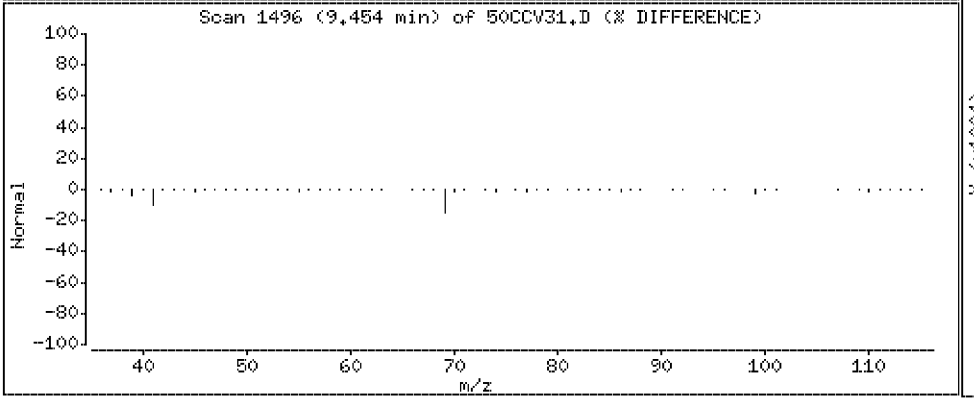
Column phase: DB-624 Column diameter: 0.18

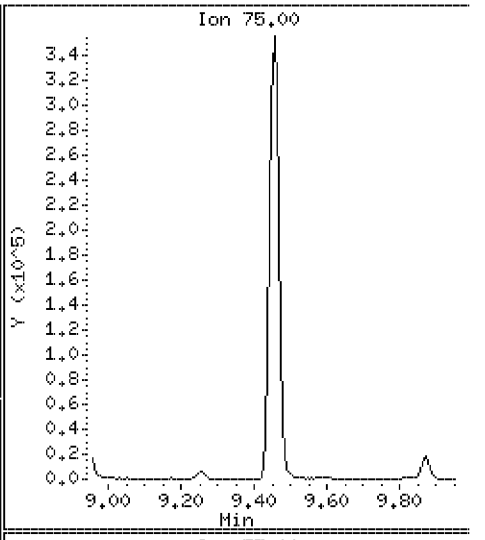
55 trans 1,3-Dichloropropene Concentration: 55.1 ug/l

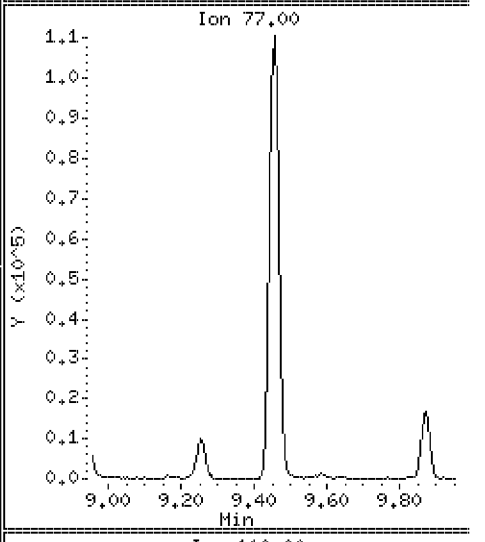


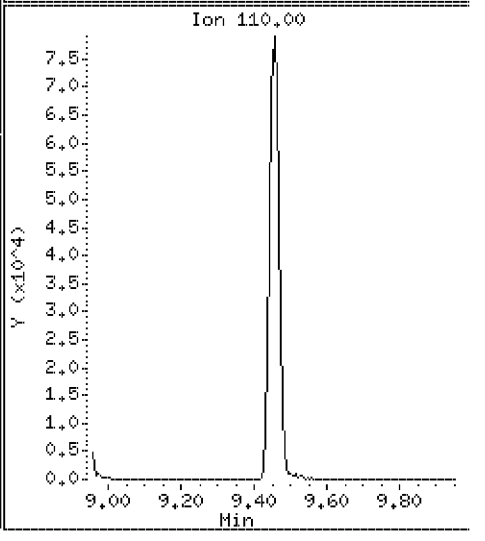












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

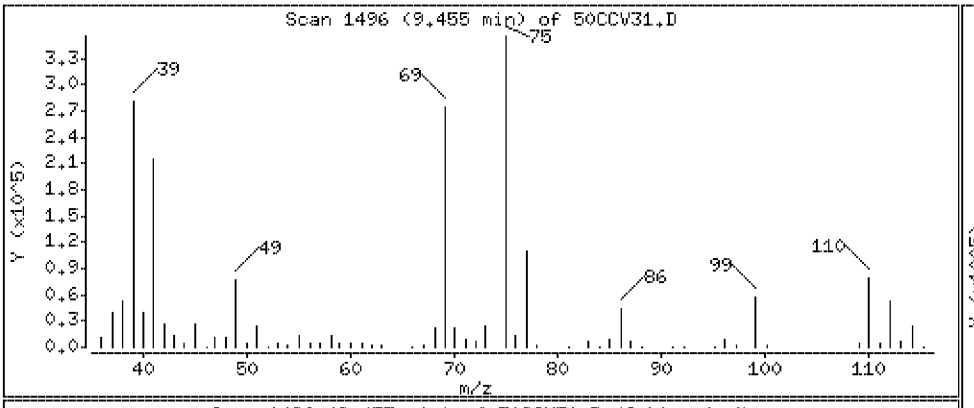
Client ID: 061507CCVA31 Instrument: vms03.i

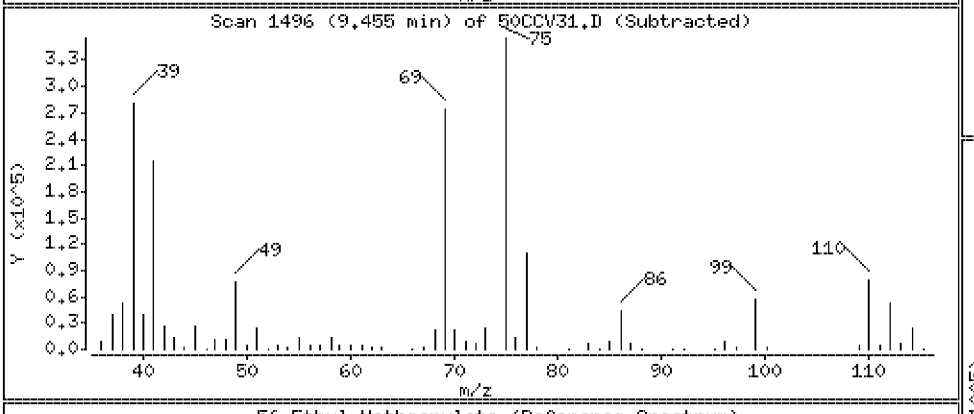
Sample Info: 061507CCVA31

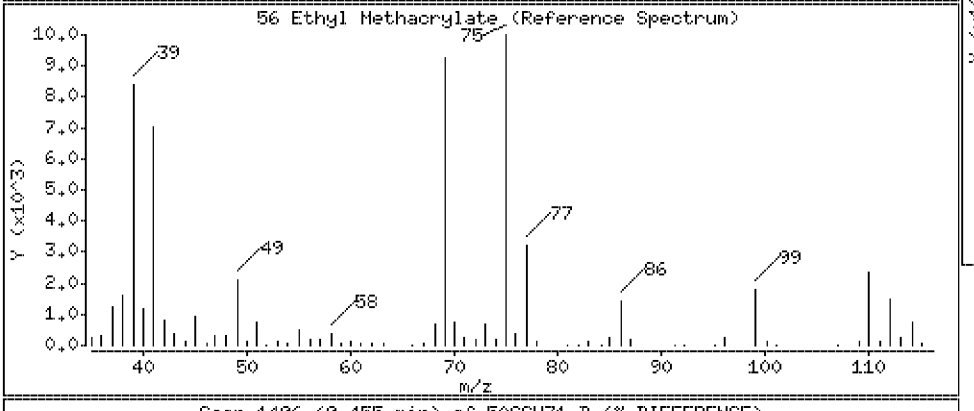
Purge Volume: 5.0 Operator:

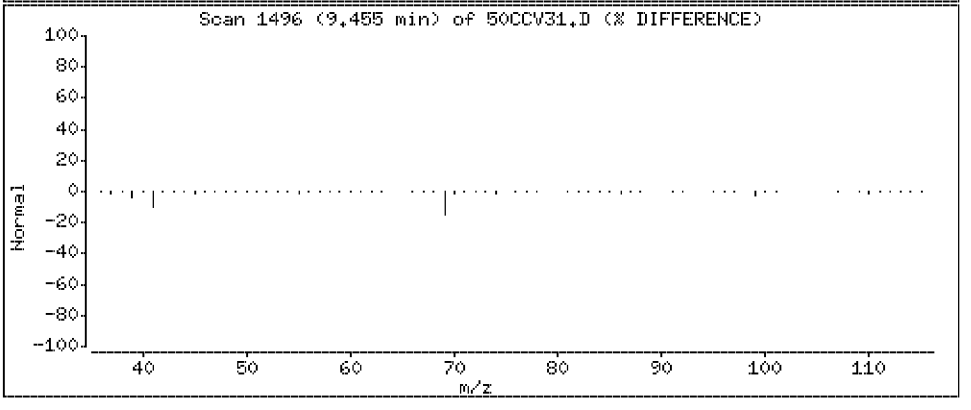
Column phase: DB-624 Column diameter: 0.18

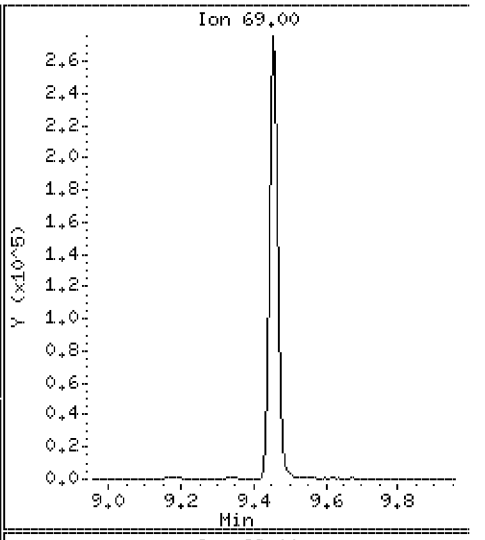
56 Ethyl Methacrylate Concentration: 54.4 ug/l

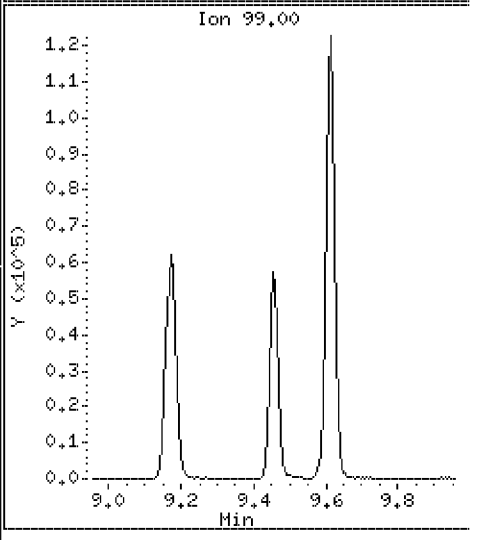












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

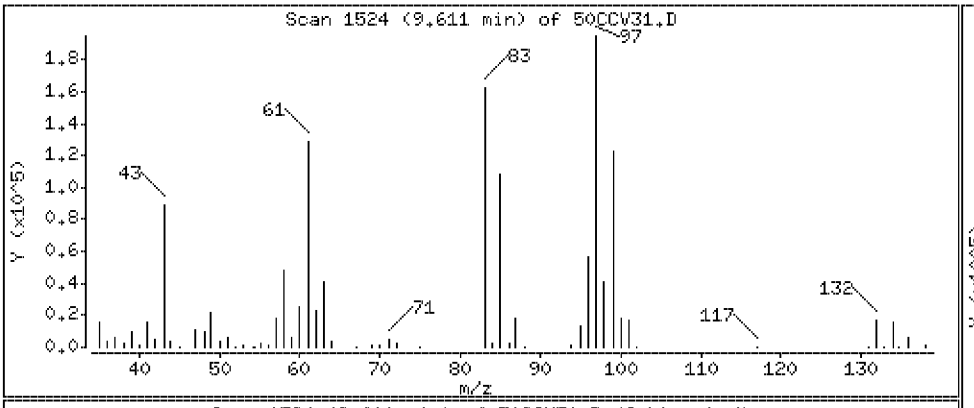
Client ID: 061507CCVA31 Instrument: vms03.i

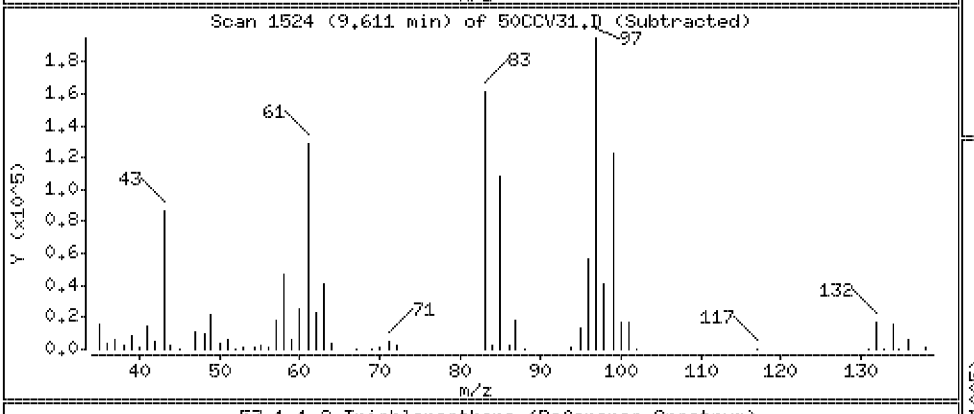
Sample Info: 061507CCVA31

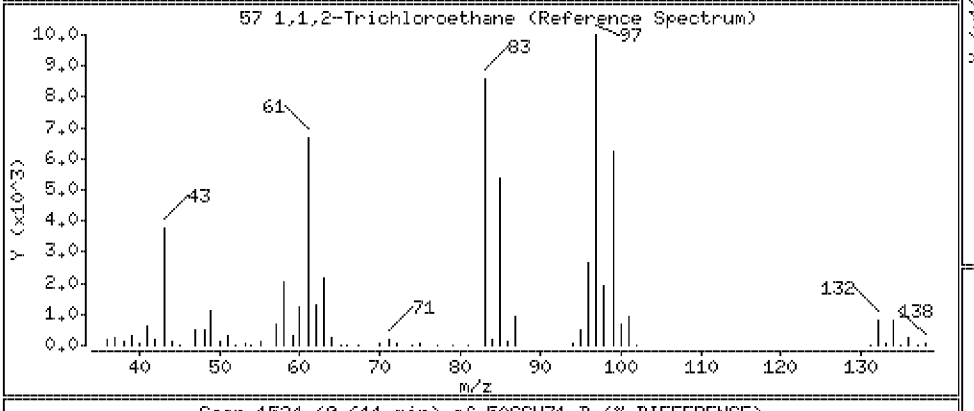
Purge Volume: 5.0 Operator:

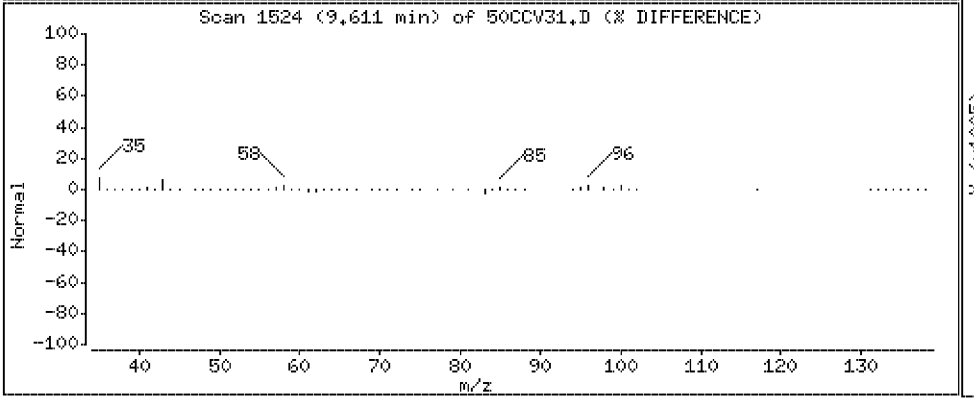
Column phase: DB-624 Column diameter: 0.18

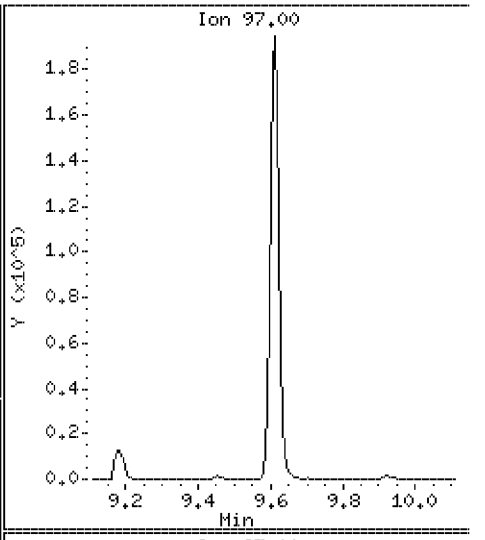
57 1,1,2-Trichloroethane Concentration: 48.9 ug/l

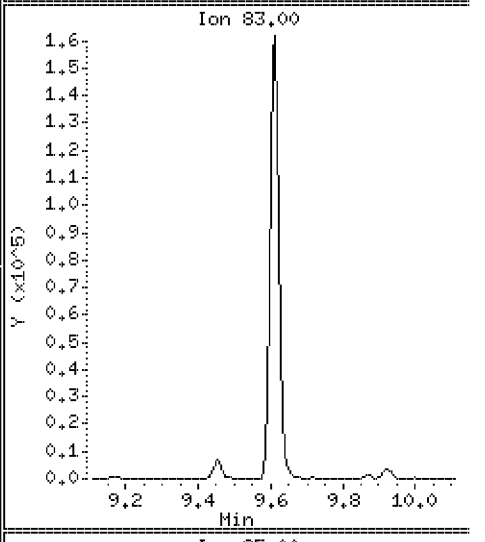


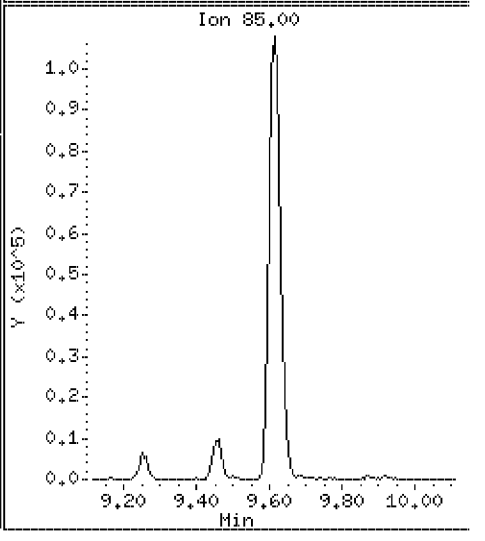












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

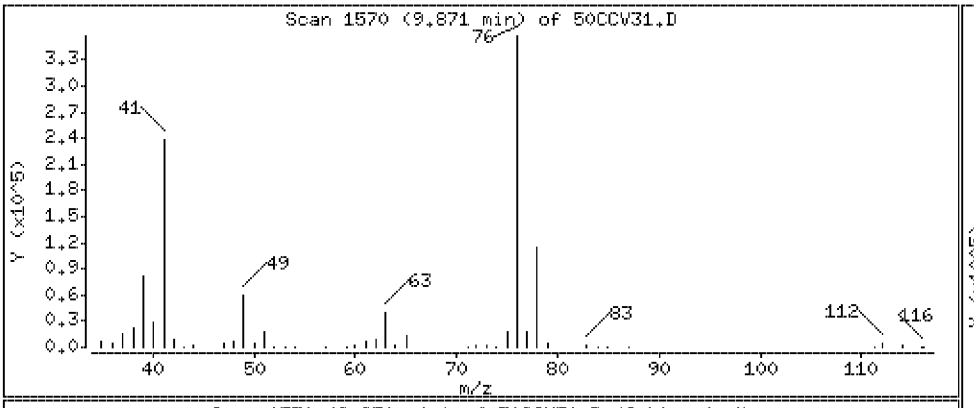
Client ID: 061507CCVA31 Instrument: vms03.i

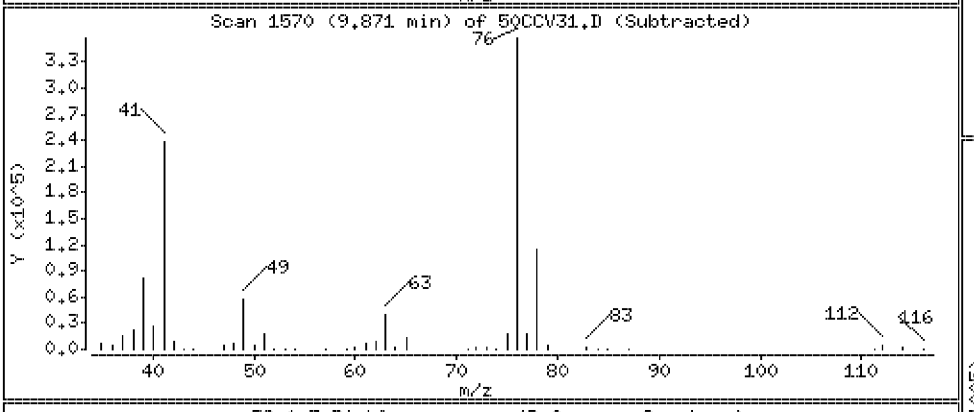
Sample Info: 061507CCVA31

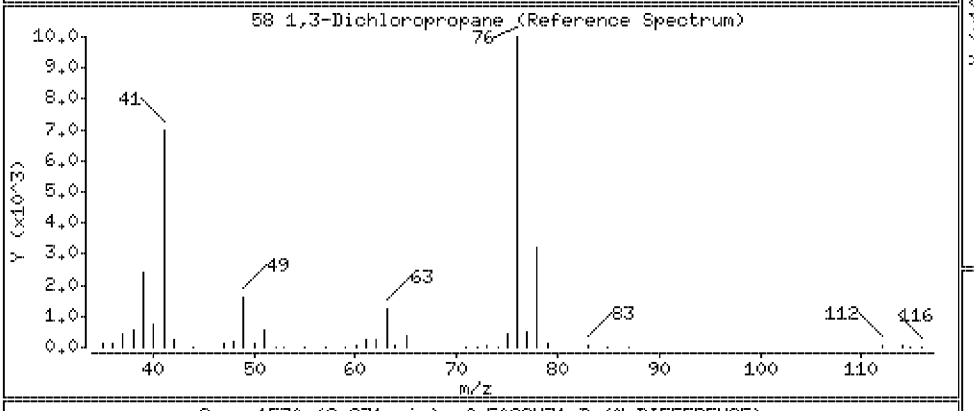
Purge Volume: 5.0 Operator:

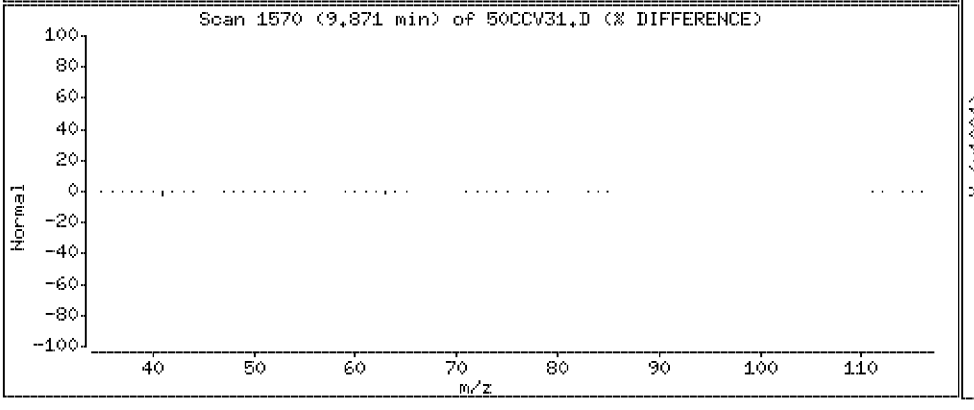
Column phase: DB-624 Column diameter: 0.18

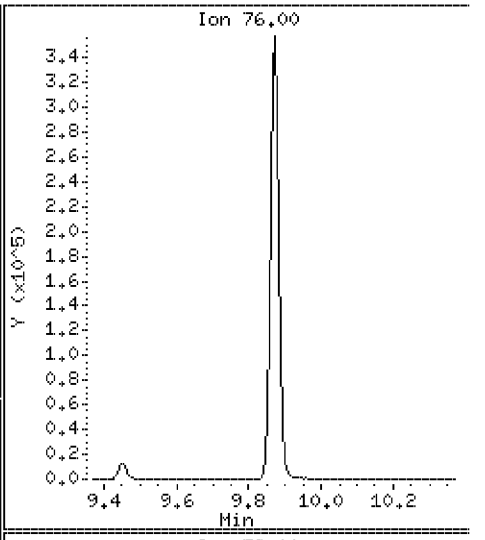
58 1,3-Dichloropropane Concentration: 51.0 ug/l

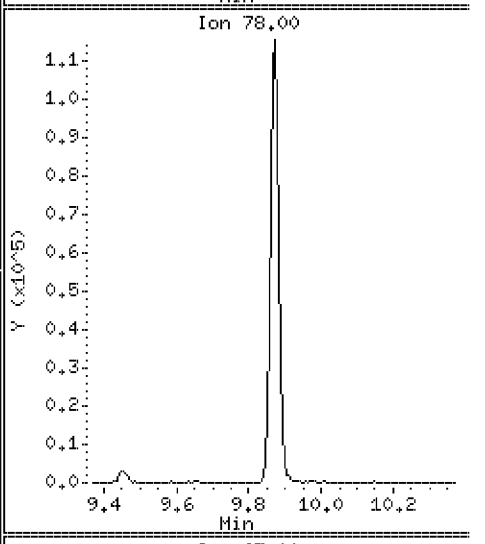


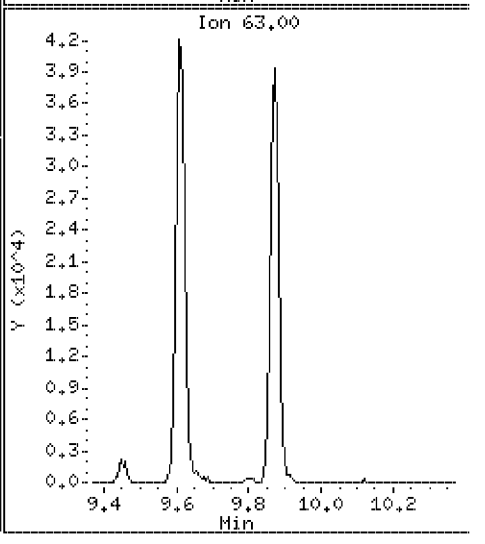












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

Client ID: 061507CCVA31

Instrument: vms03.i

Sample Info: 061507CCVA31

Purge Volume: 5.0

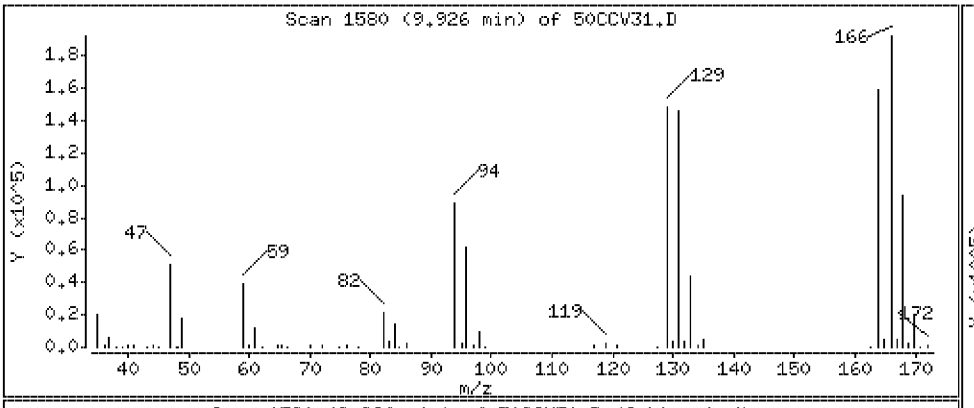
Operator:

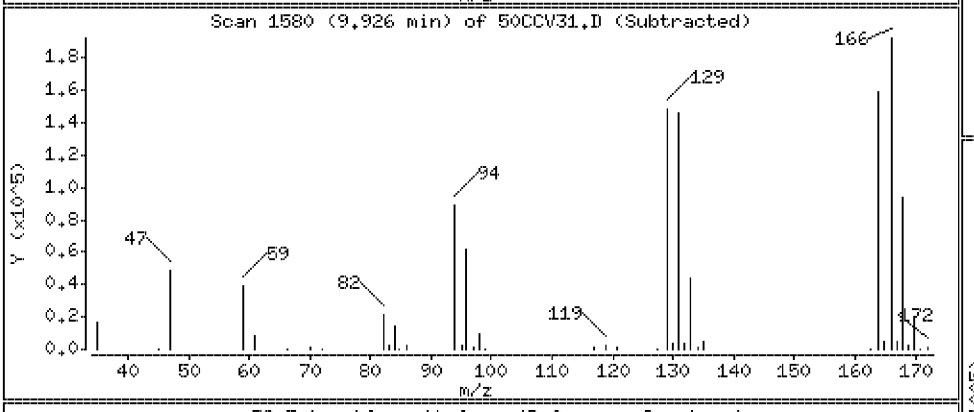
Column phase: DB-624

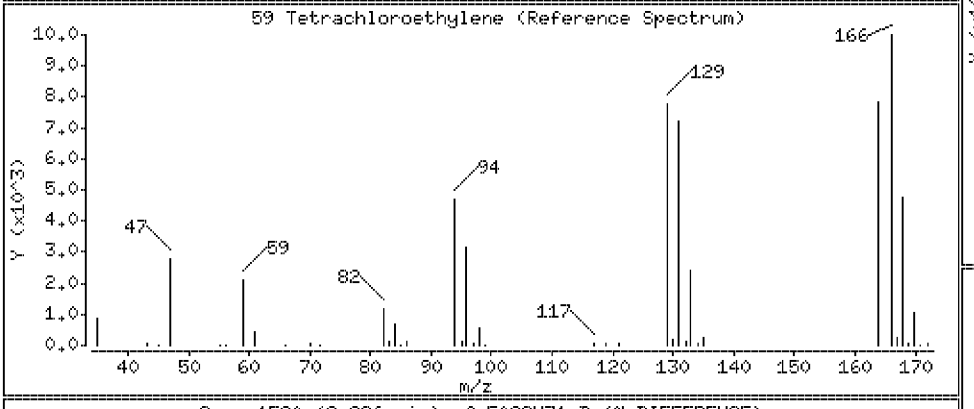
Column diameter: 0.18

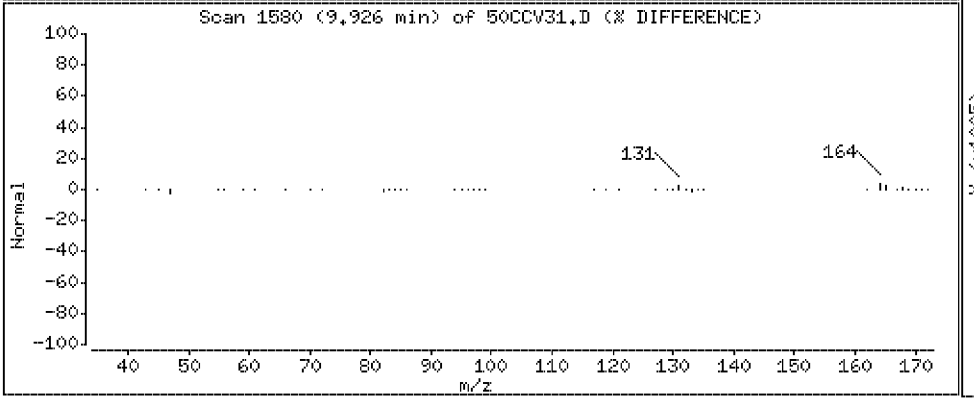
59 Tetrachloroethylene

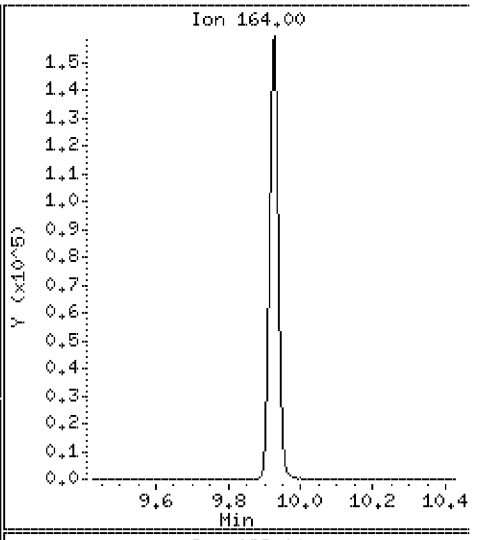
Concentration: 49.1 ug/l

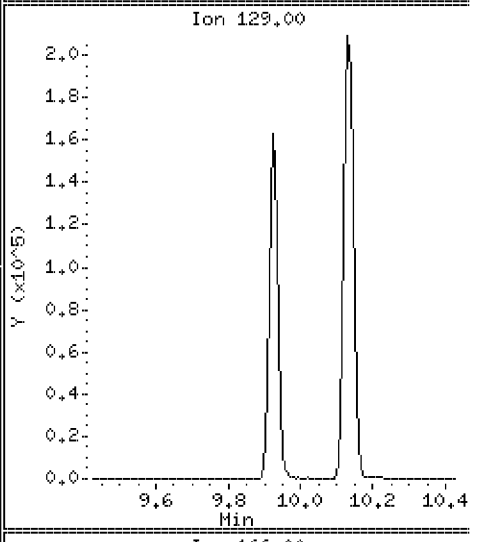


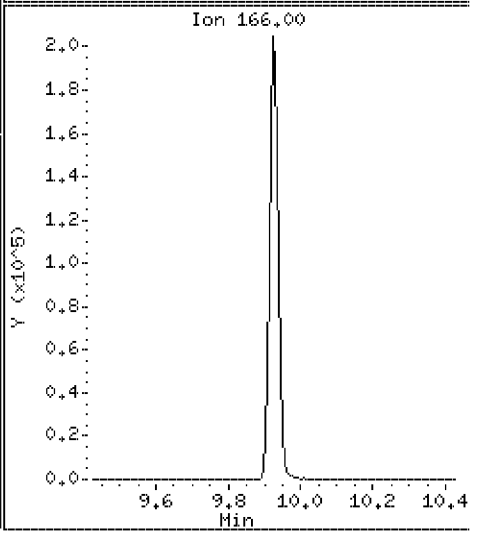












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

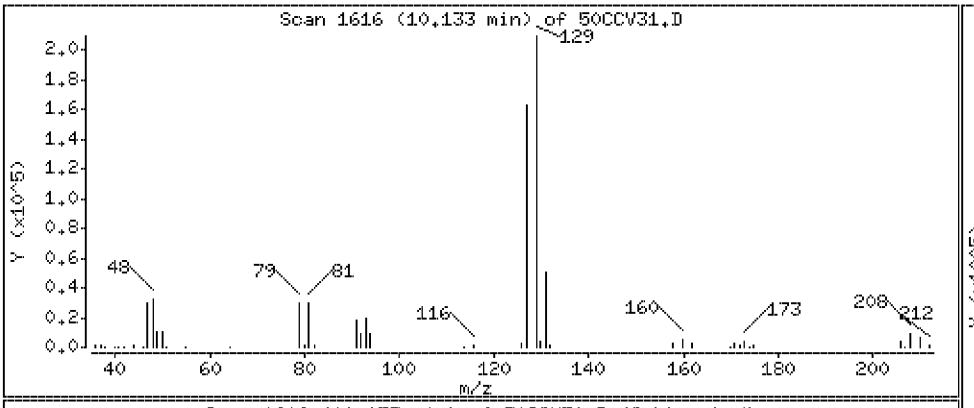
Client ID: 061507CCVA31 Instrument: vms03.i

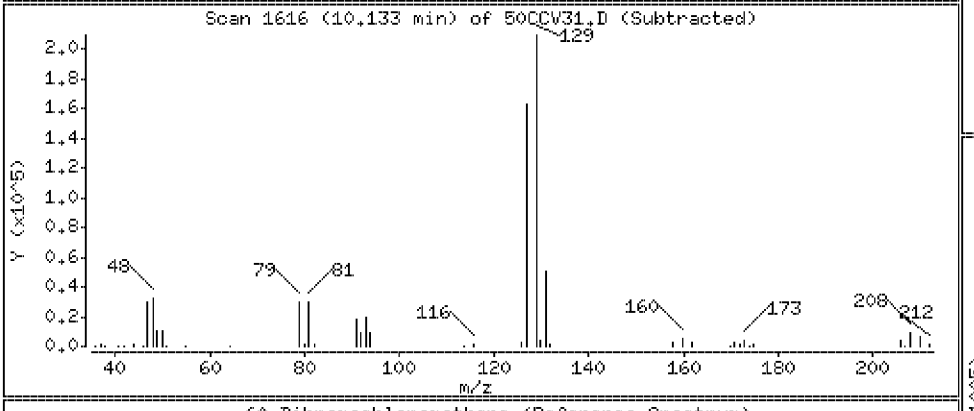
Sample Info: 061507CCVA31

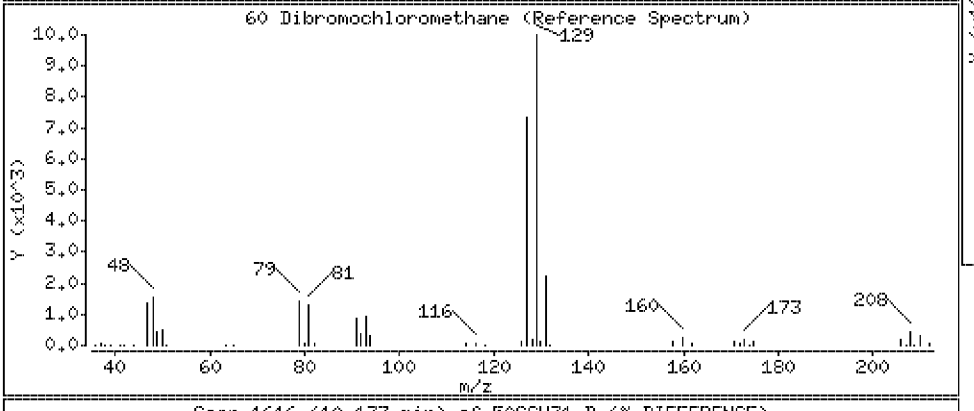
Purge Volume: 5.0 Operator:

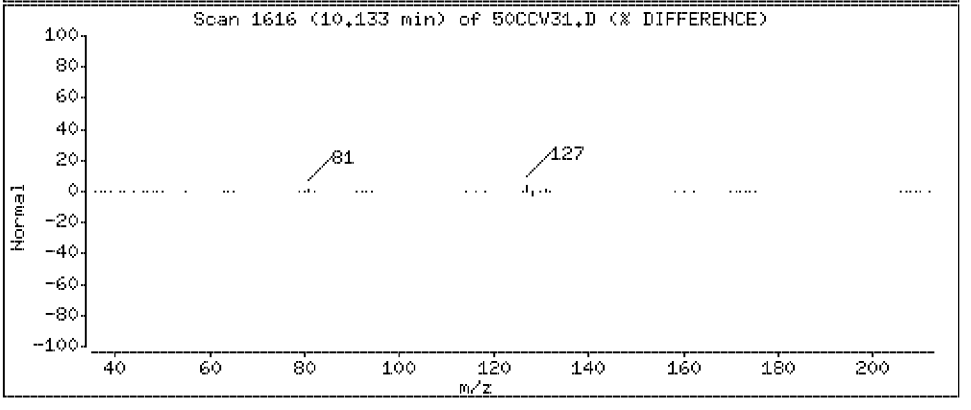
Column phase: DB-624 Column diameter: 0.18

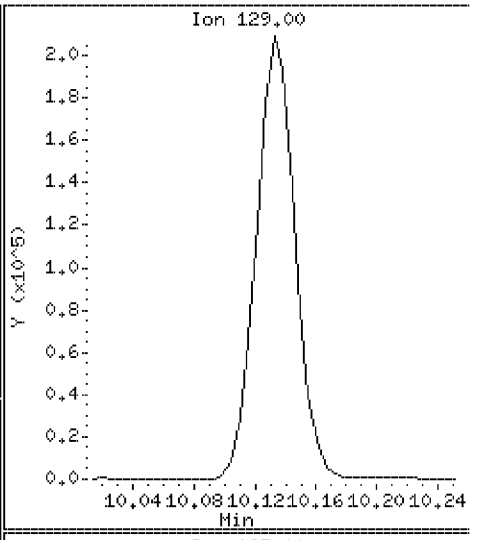
60 Dibromochloromethane Concentration: 53.5 ug/l

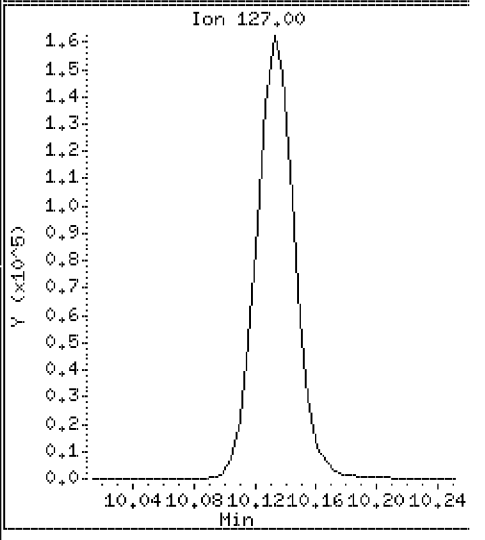












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

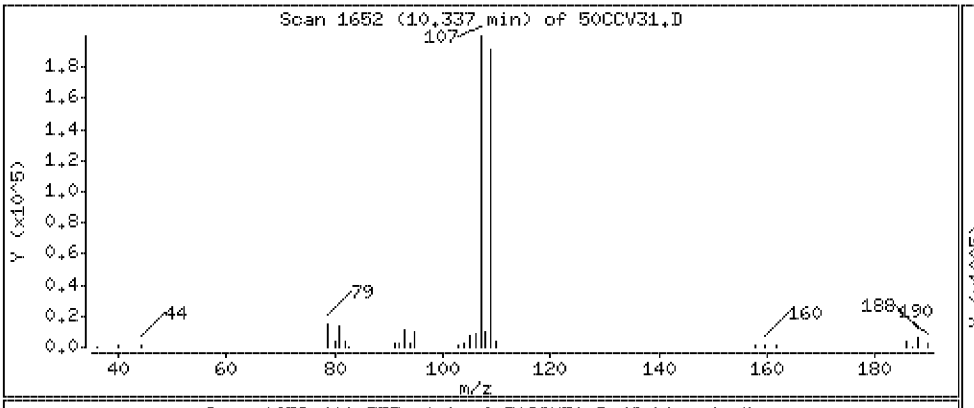
Client ID: 061507CCVA31 Instrument: vms03.i

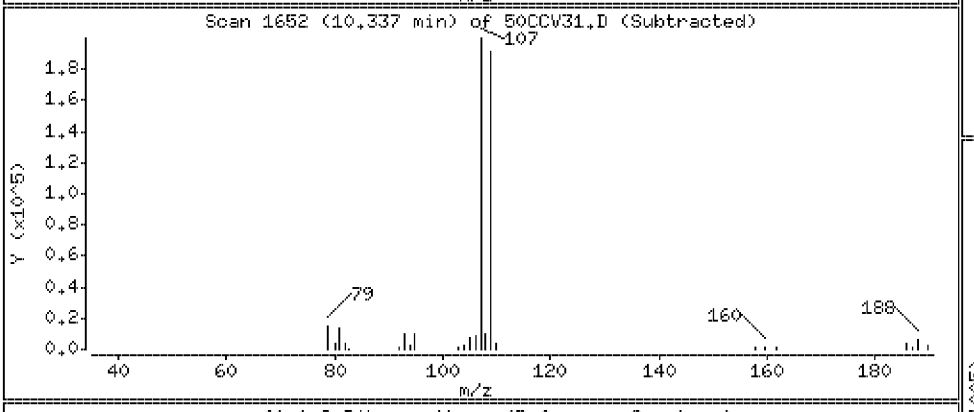
Sample Info: 061507CCVA31

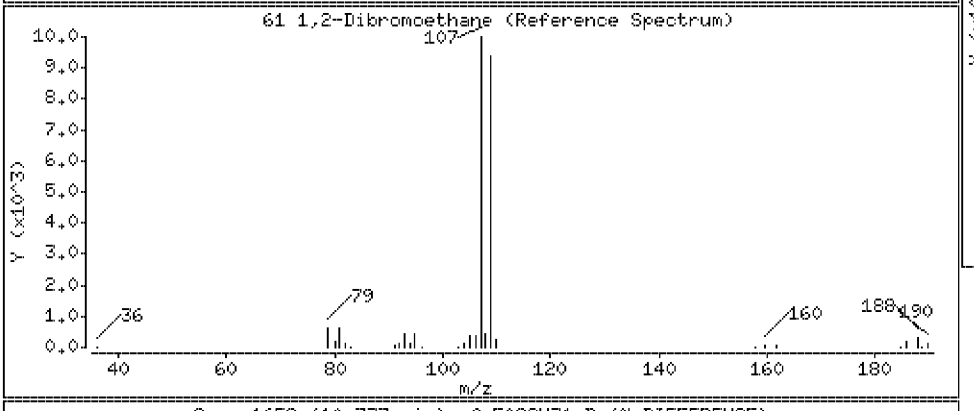
Purge Volume: 5.0 Operator:

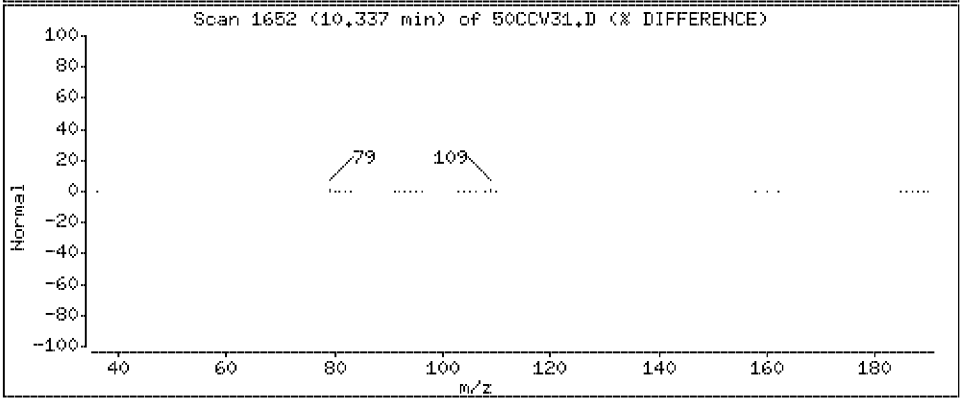
Column phase: DB-624 Column diameter: 0.18

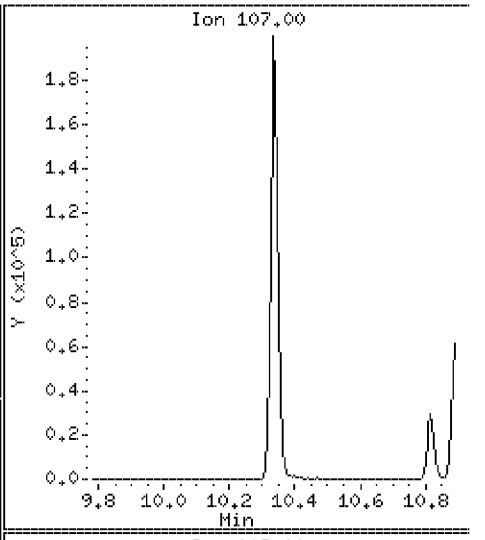
61 1,2-Dibromoethane Concentration: 50.5 ug/l

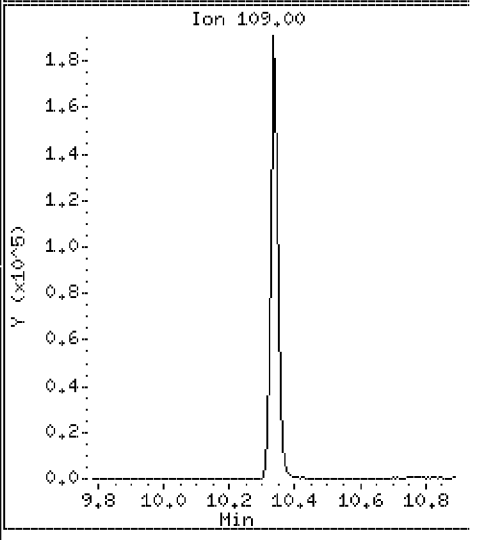












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

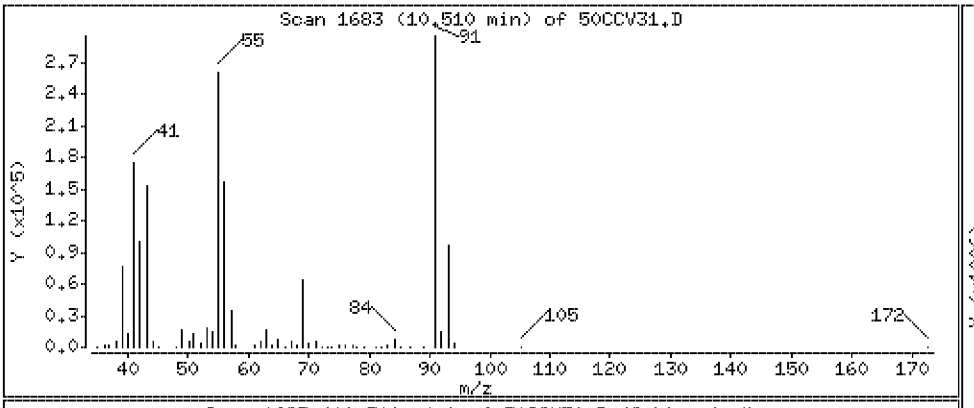
Client ID: 061507CCVA31 Instrument: vms03.i

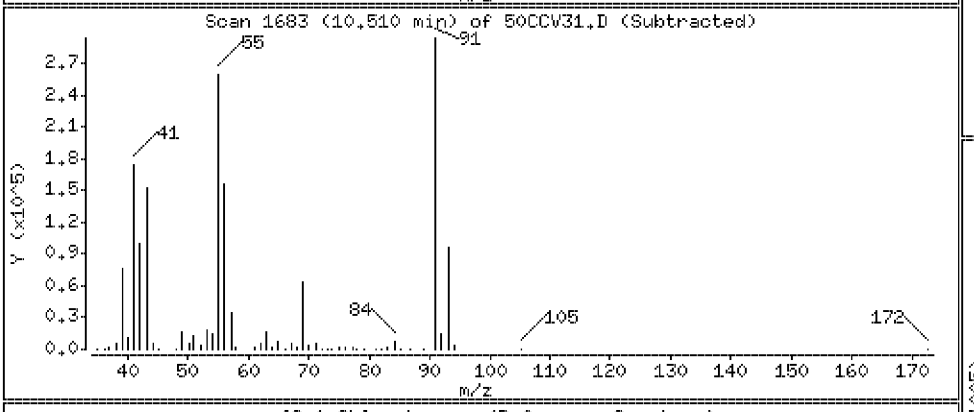
Sample Info: 061507CCVA31

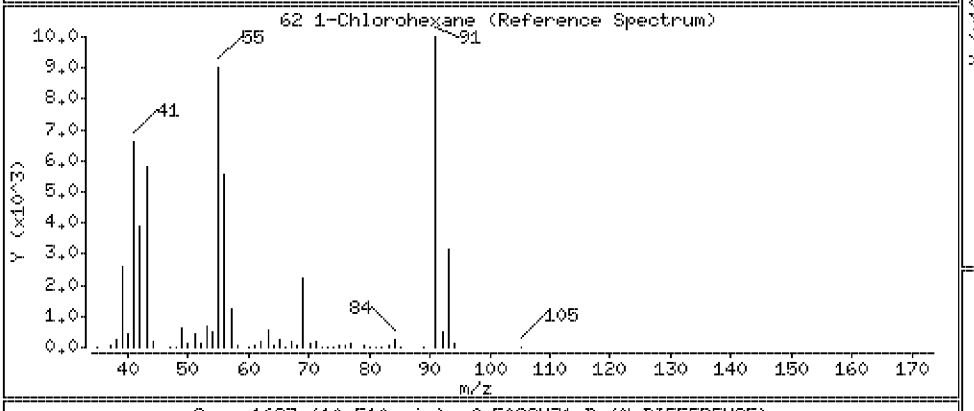
Purge Volume: 5.0 Operator:

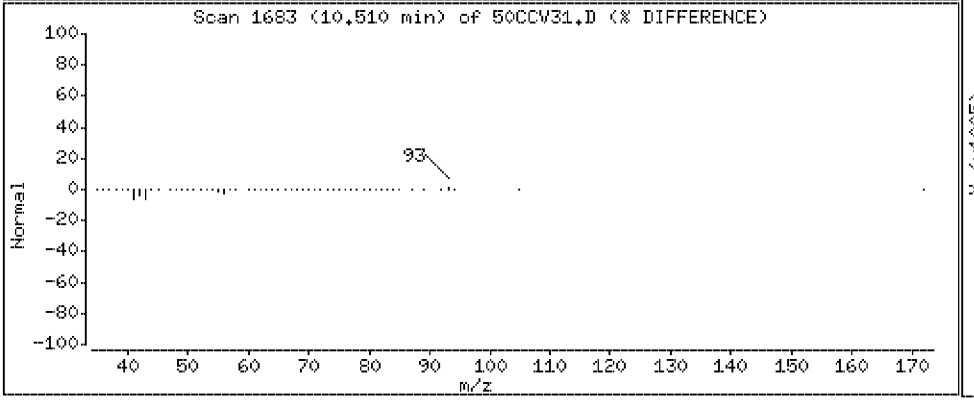
Column phase: DB-624 Column diameter: 0.18

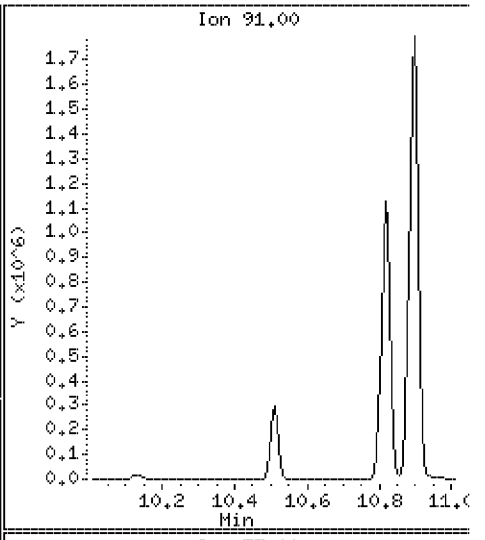
62 1-Chlorohexane Concentration: 53.3 ug/l

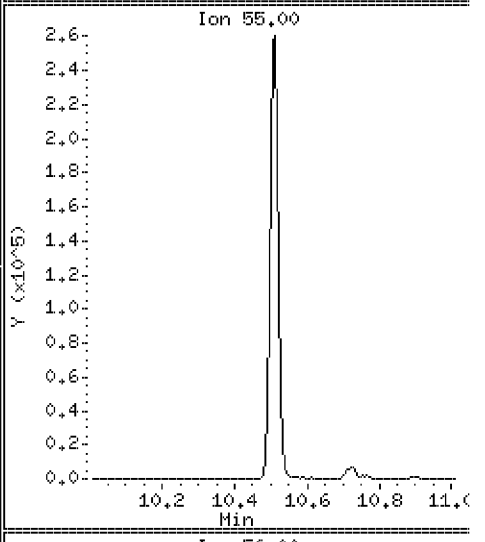


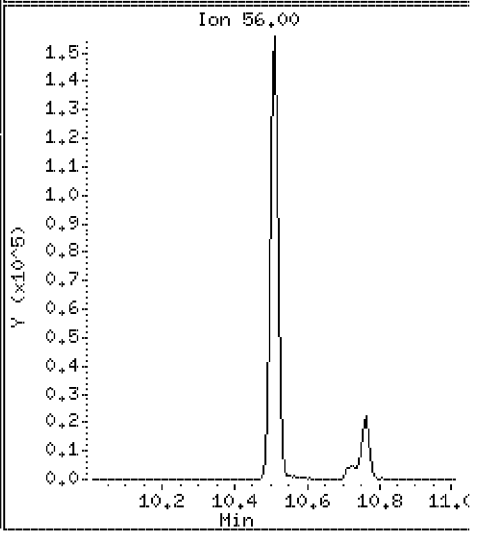












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

Client ID: 061507CCVA31

Instrument: vms03.i

Sample Info: 061507CCVA31

Purge Volume: 5.0

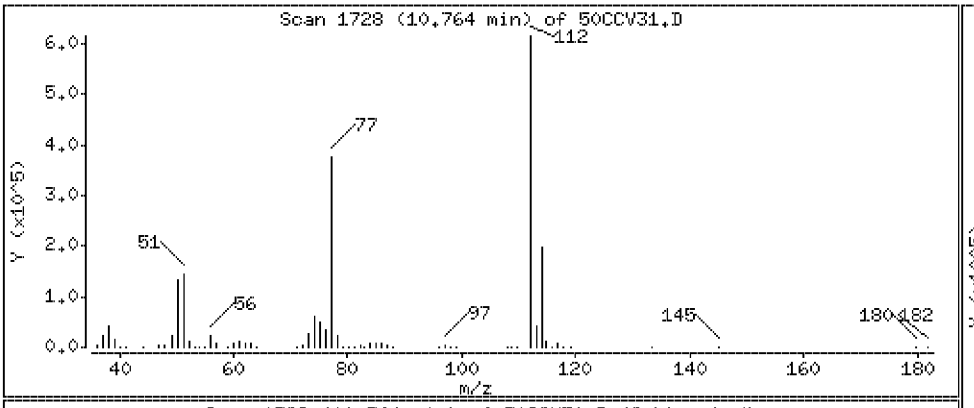
Operator:

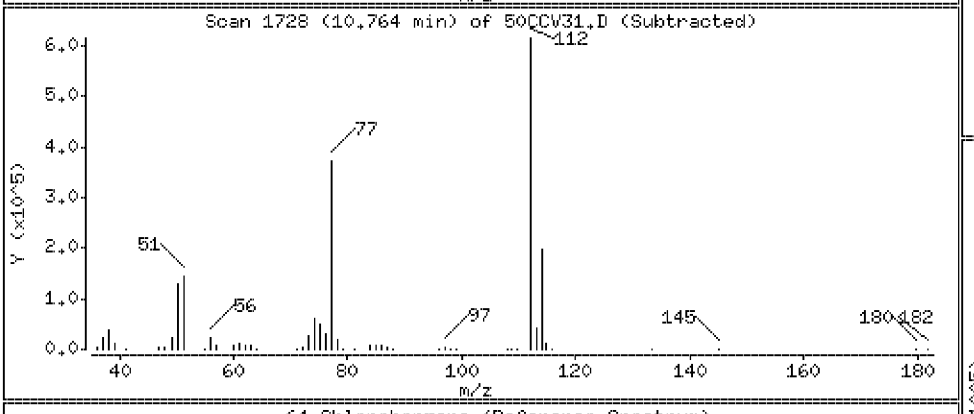
Column phase: DB-624

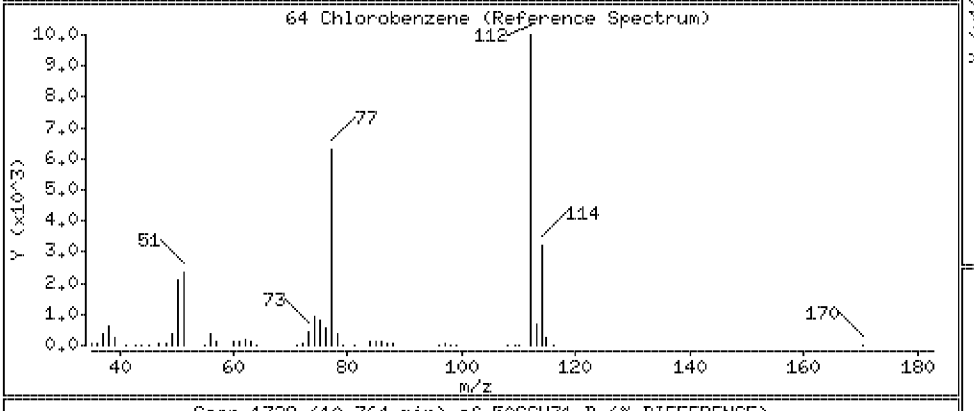
Column diameter: 0.18

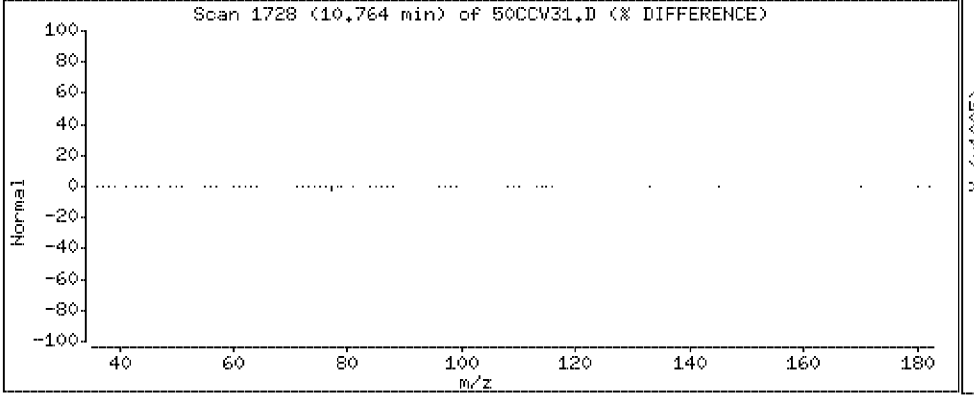
64 Chlorobenzene

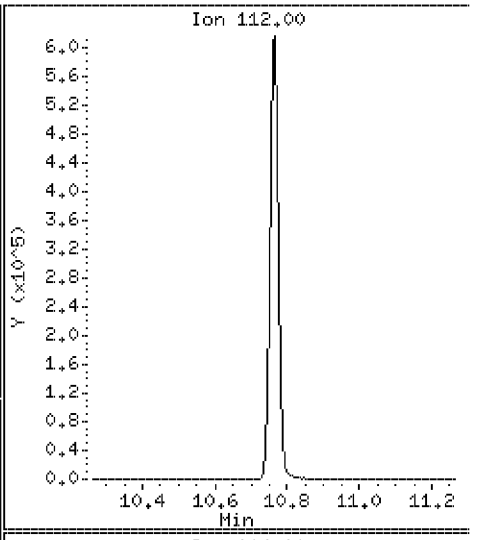
Concentration: 49.6 ug/l

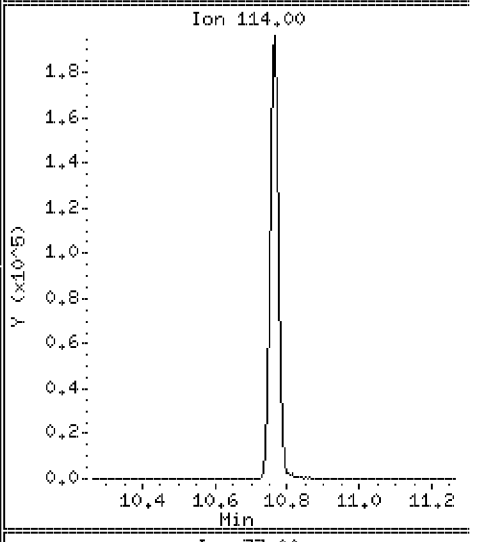


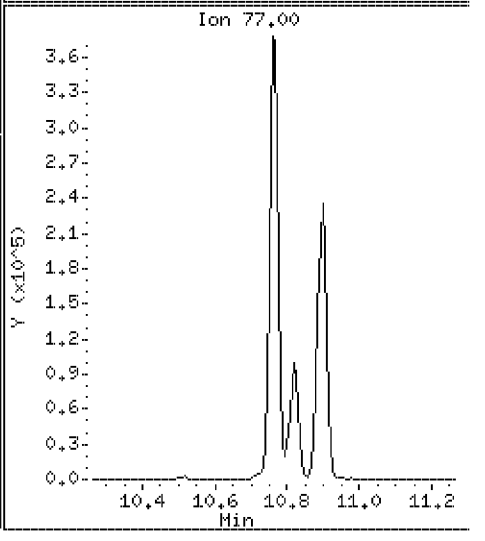












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

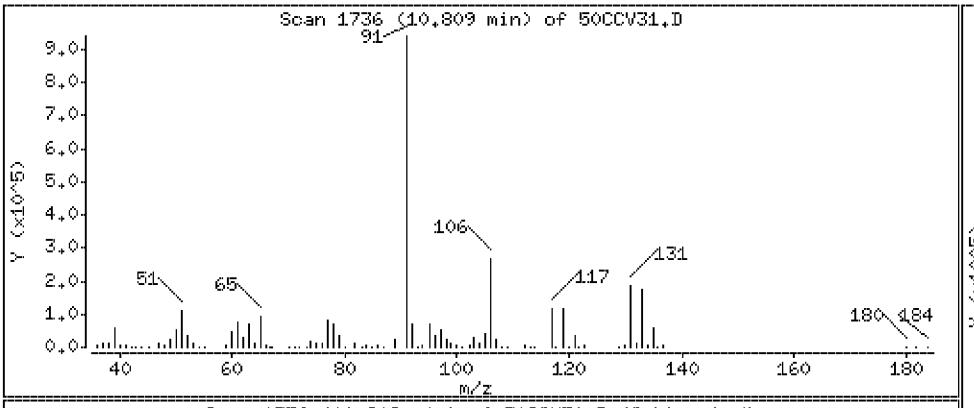
Client ID: 061507CCVA31 Instrument: vms03.i

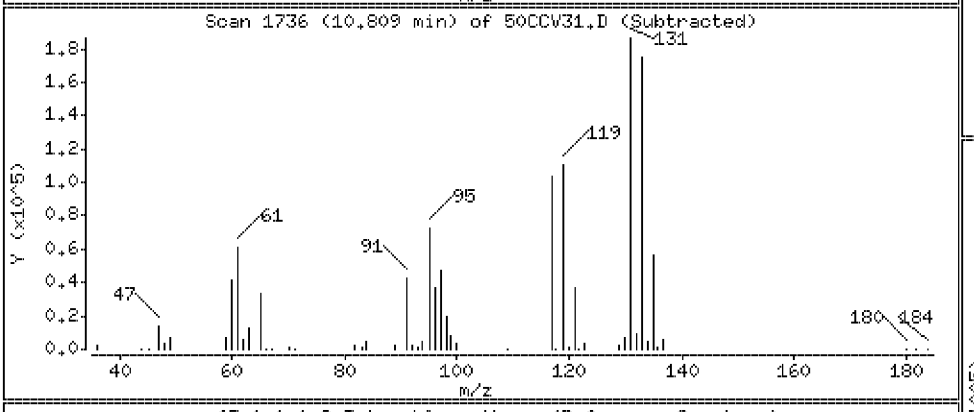
Sample Info: 061507CCVA31

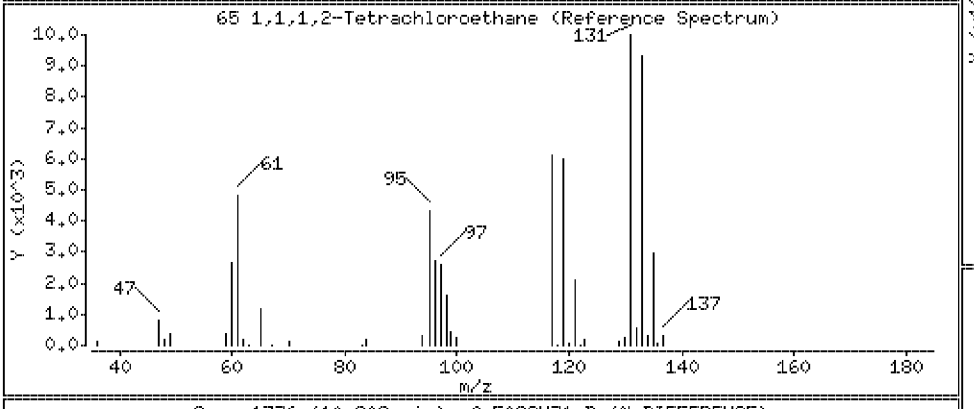
Purge Volume: 5.0 Operator:

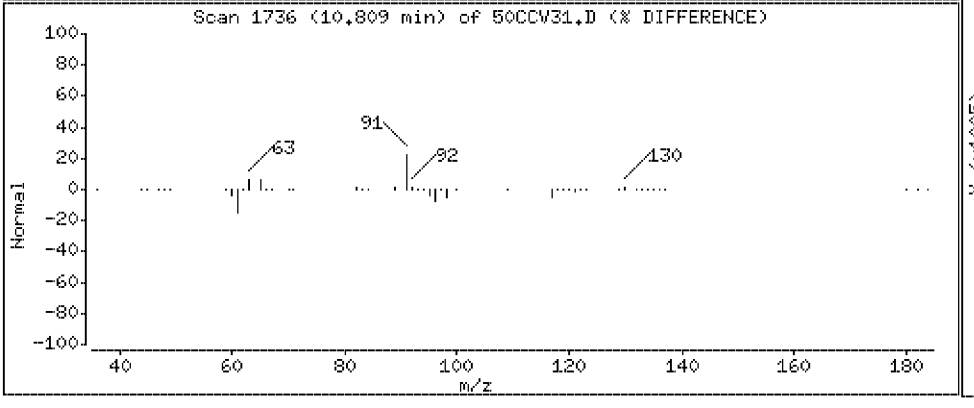
Column phase: DB-624 Column diameter: 0.18

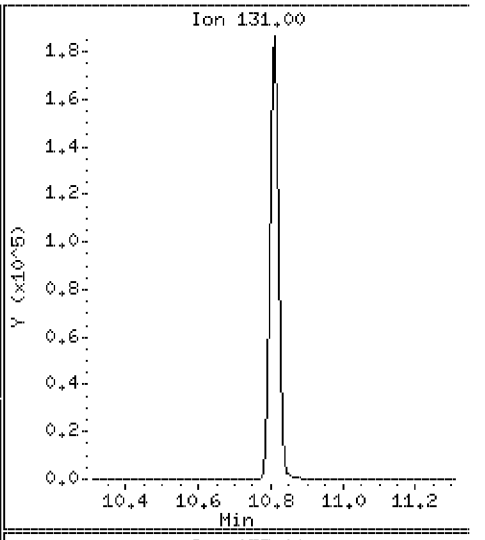
65 1,1,1,2-Tetrachloroethane Concentration: 51.8 ug/l

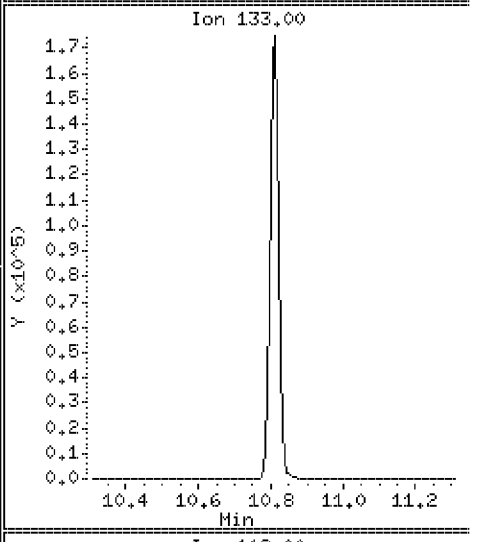


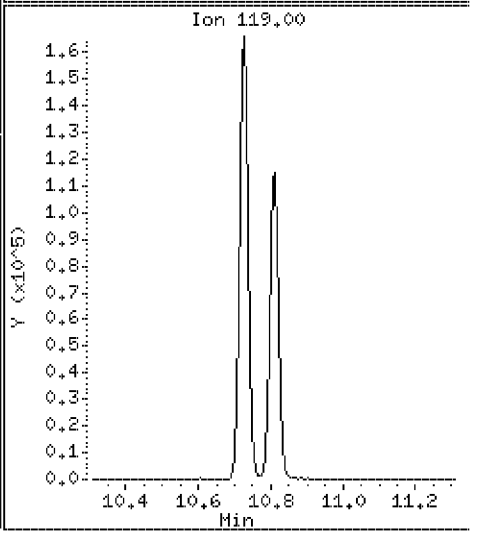












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

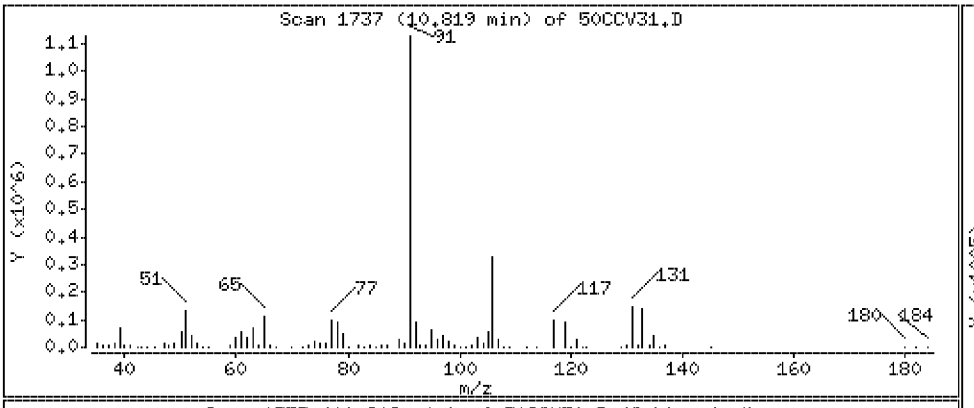
Client ID: 061507CCVA31 Instrument: vms03.i

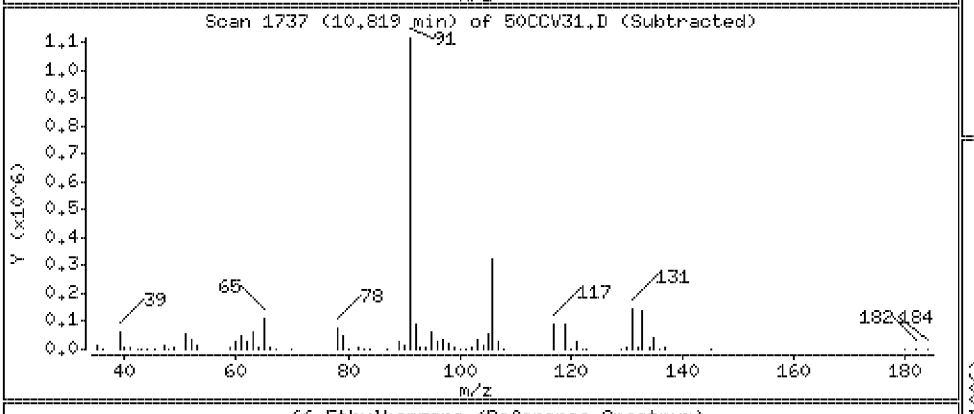
Sample Info: 061507CCVA31

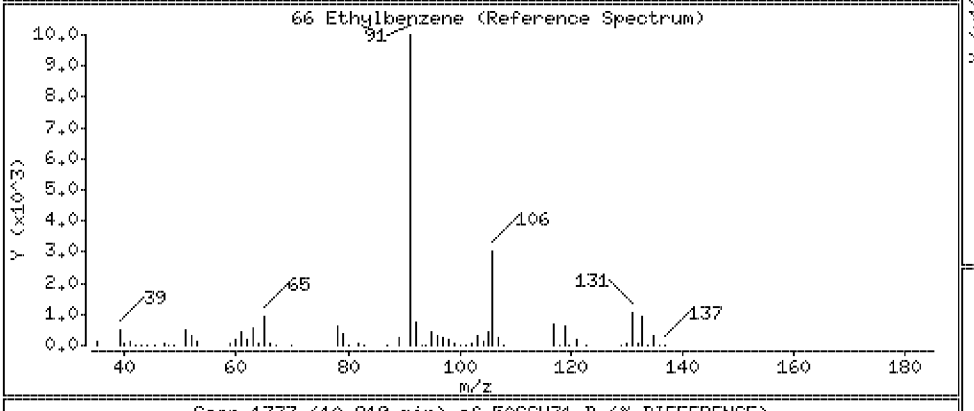
Purge Volume: 5.0 Operator:

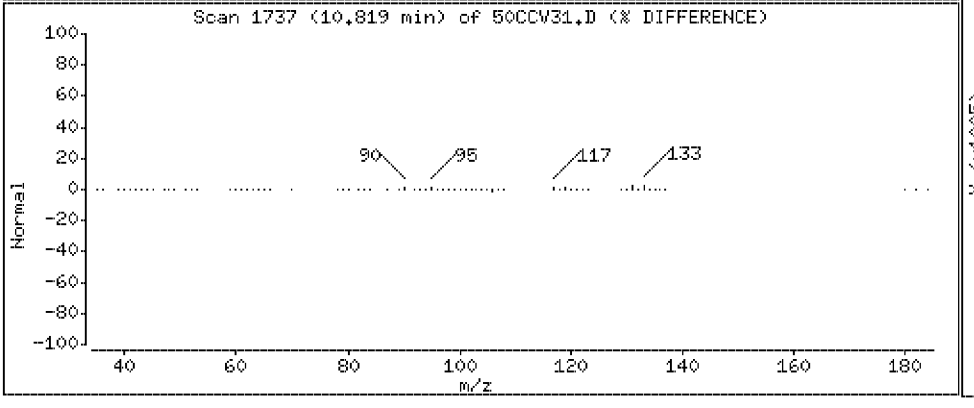
Column phase: DB-624 Column diameter: 0.18

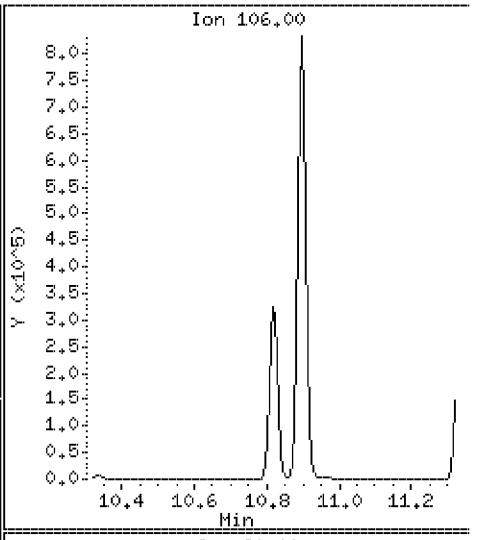
66 Ethylbenzene Concentration: 51.3 ug/l

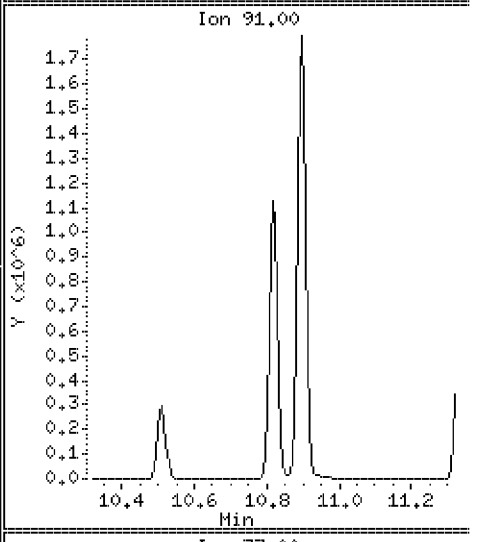


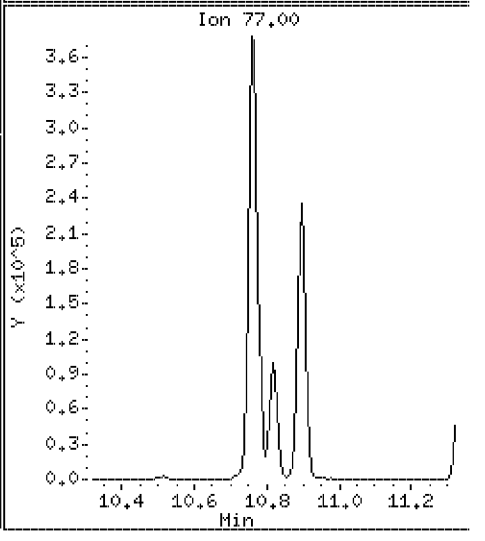












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

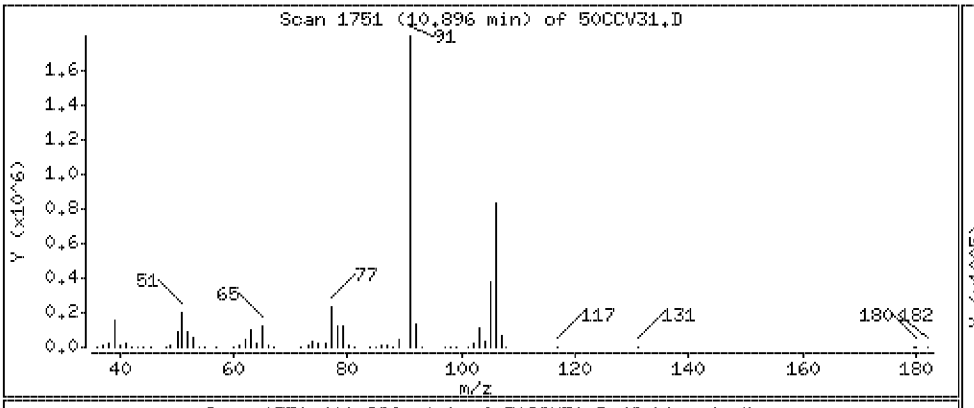
Client ID: 061507CCVA31 Instrument: vms03.i

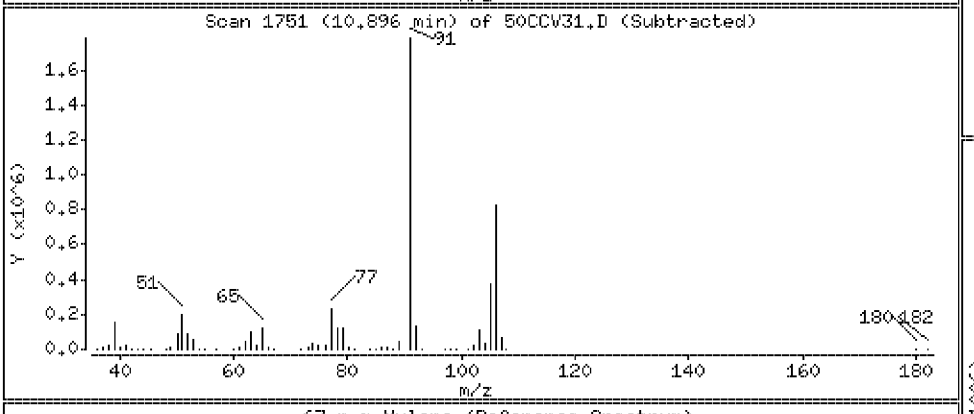
Sample Info: 061507CCVA31

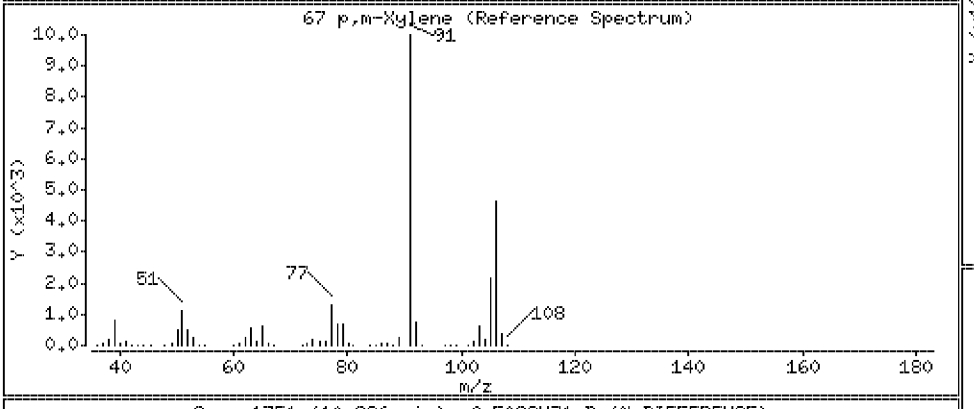
Purge Volume: 5.0 Operator:

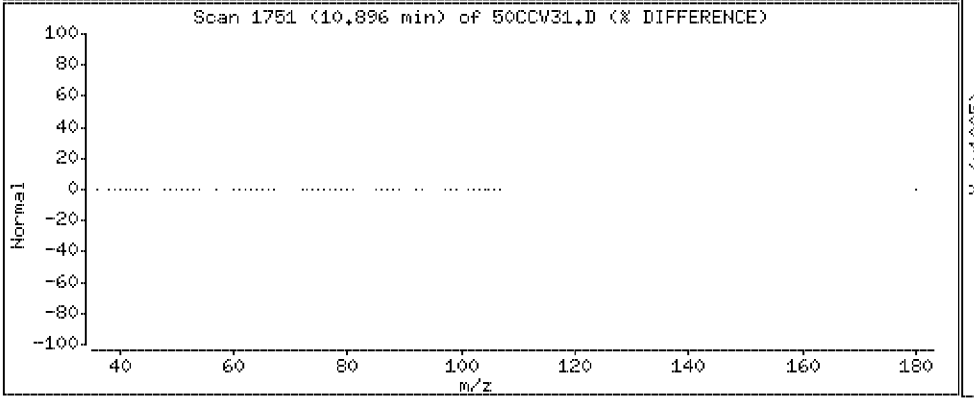
Column phase: DB-624 Column diameter: 0.18

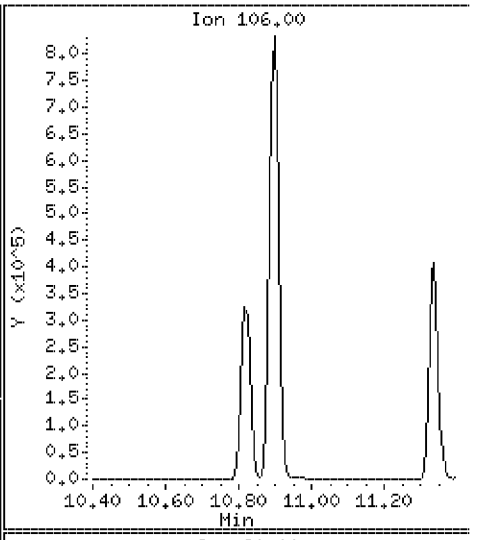
67 p,m-Xylene Concentration: 98.9 ug/l

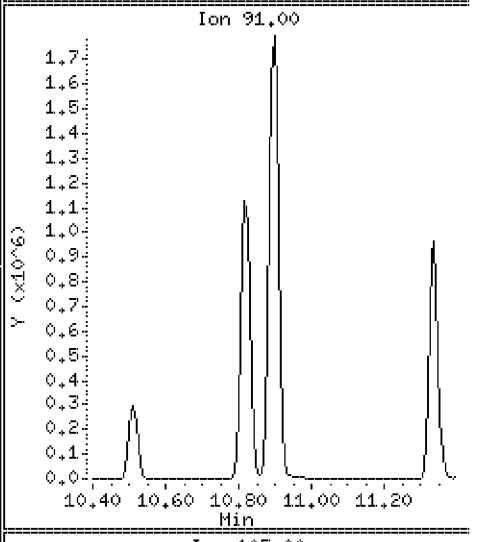


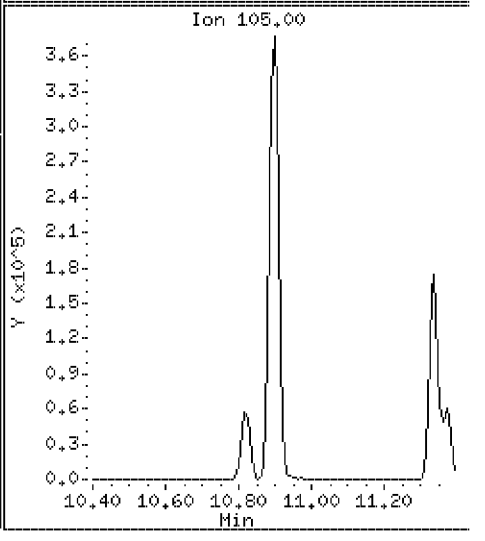












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

Client ID: 061507CCVA31

Instrument: vms03.i

Sample Info: 061507CCVA31

Purge Volume: 5.0

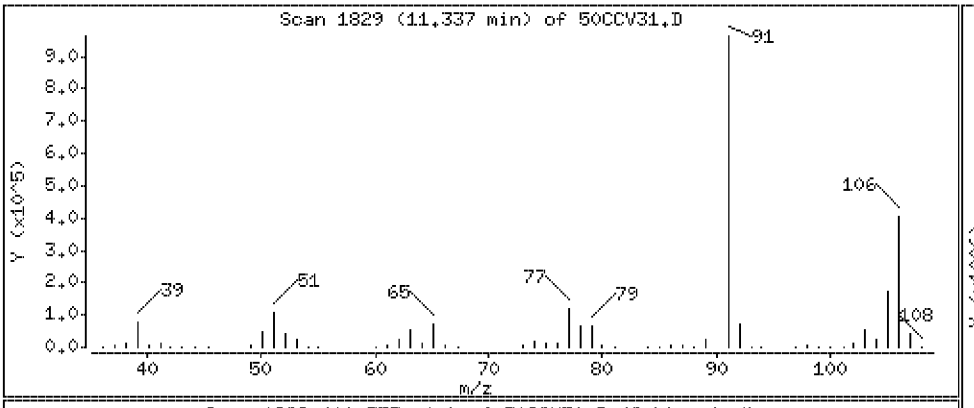
Operator:

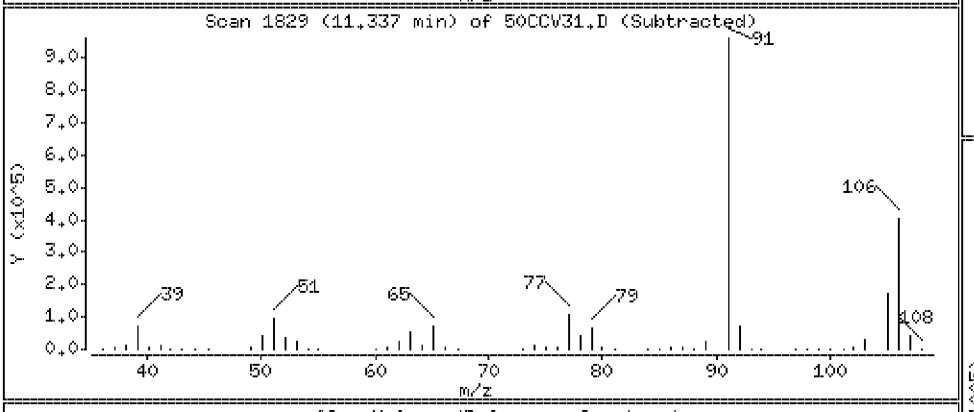
Column phase: DB-624

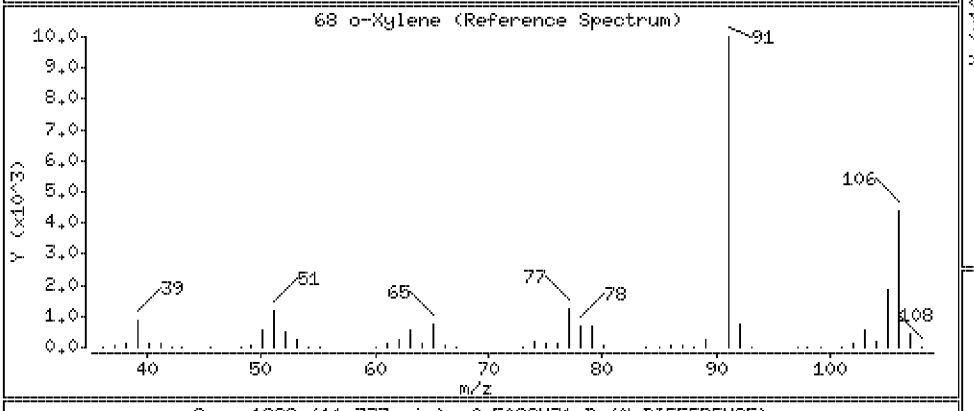
Column diameter: 0.18

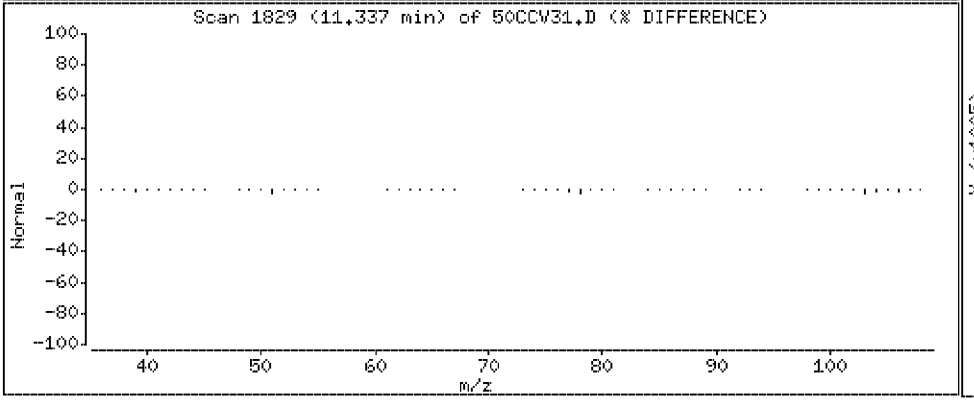
68 o-Xylene

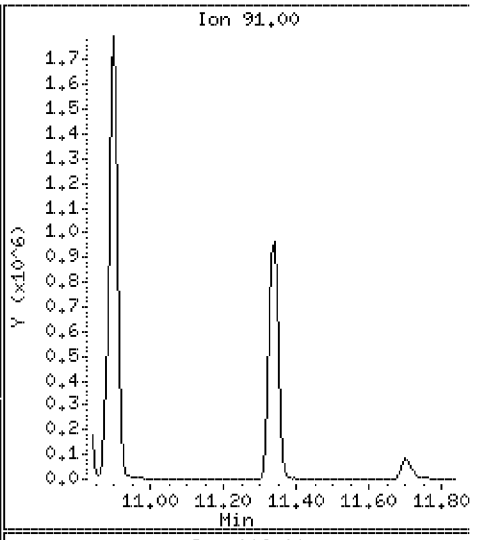
Concentration: 50.8 ug/l

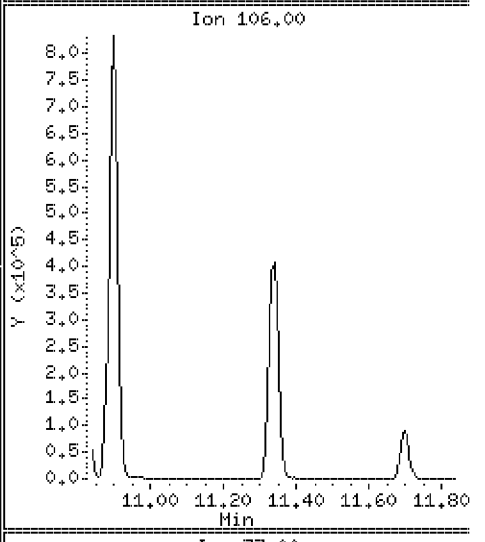


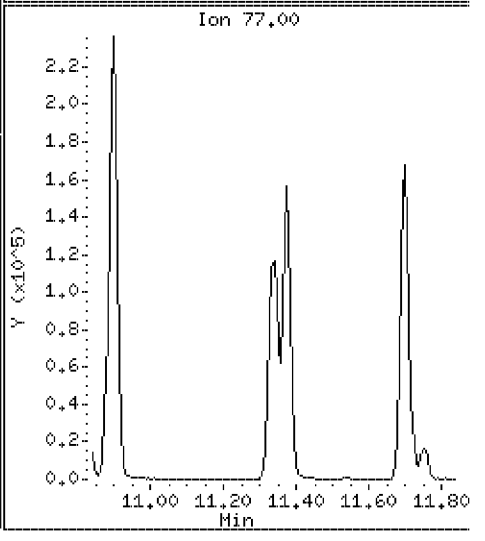












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

Client ID: 061507CCVA31

Instrument: vms03.i

Sample Info: 061507CCVA31

Purge Volume: 5.0

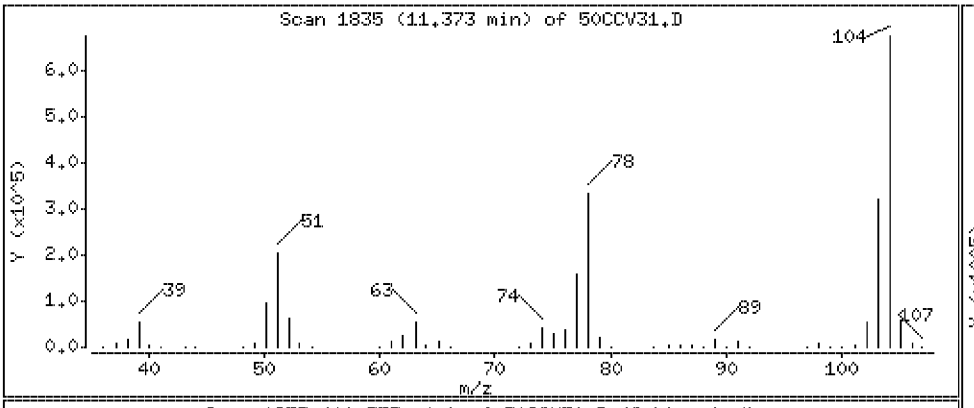
Operator:

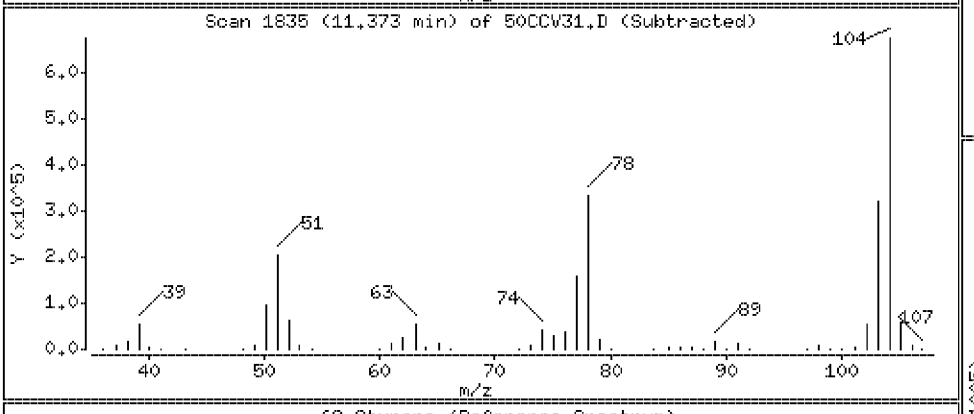
Column phase: DB-624

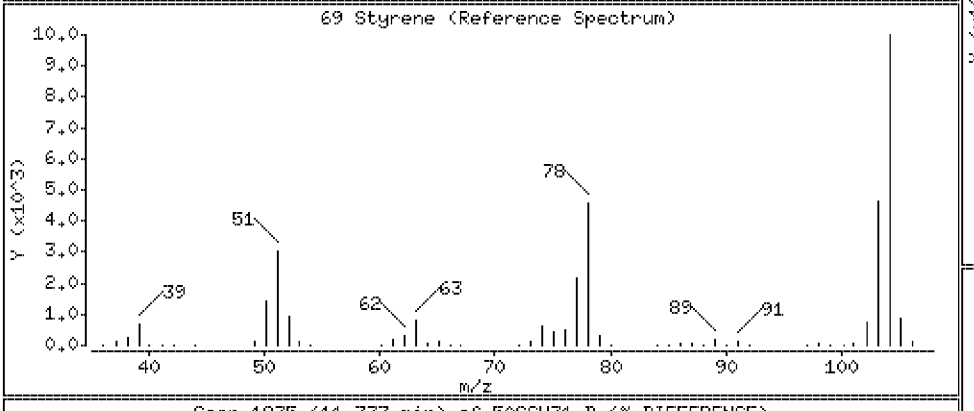
Column diameter: 0.18

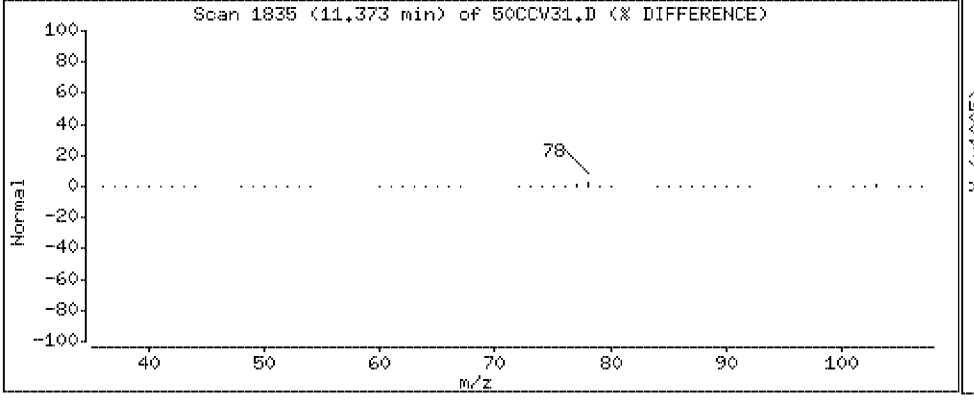
69 Styrene

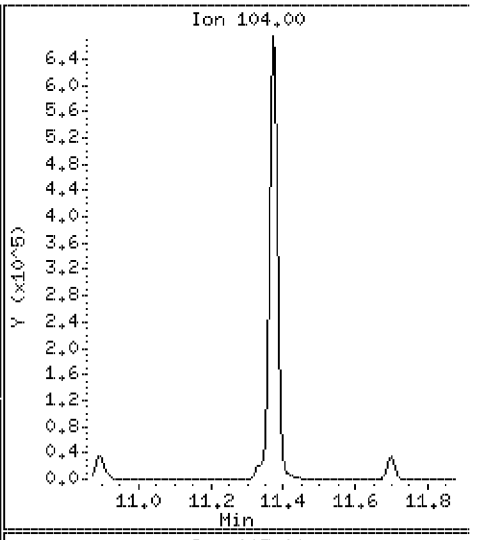
Concentration: 51.9 ug/l

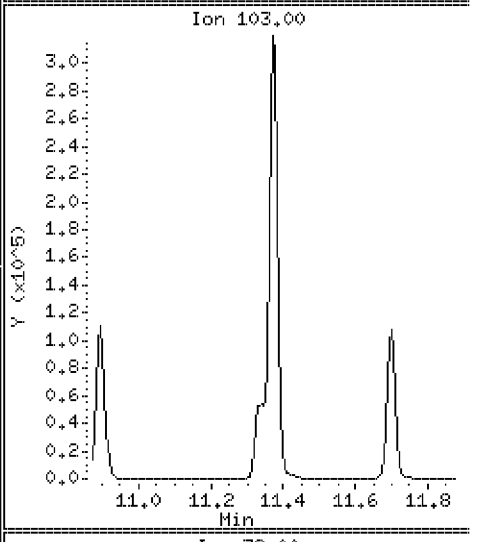


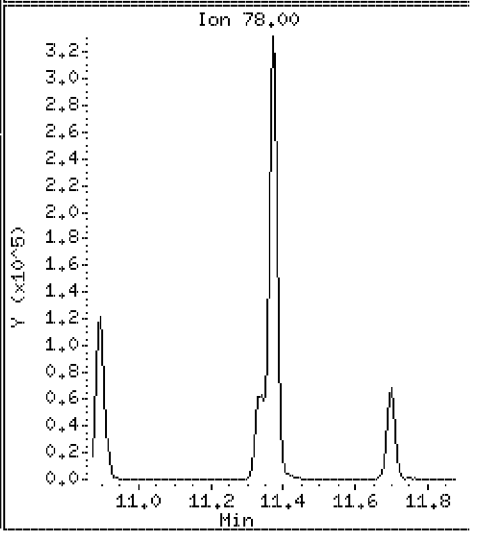












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

Client ID: 061507CCVA31

Instrument: vms03.i

Sample Info: 061507CCVA31

Purge Volume: 5.0

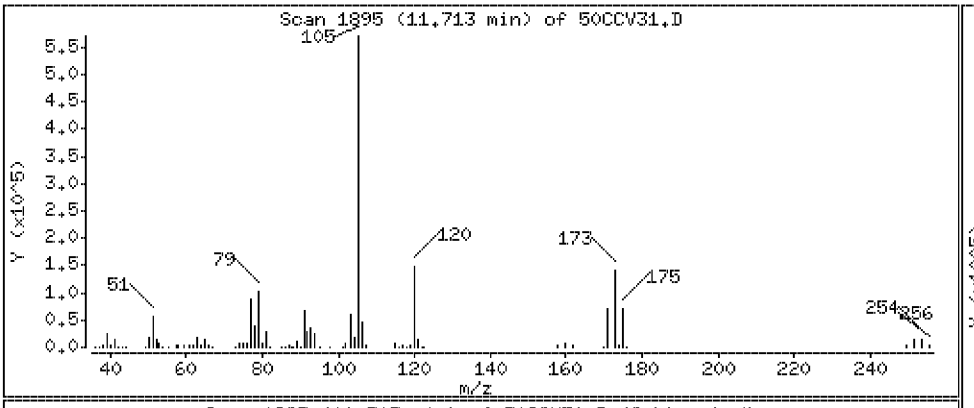
Operator:

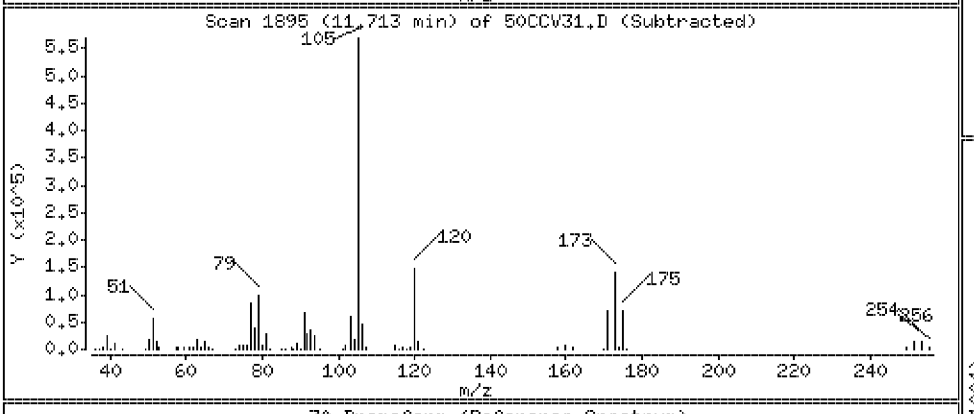
Column phase: DB-624

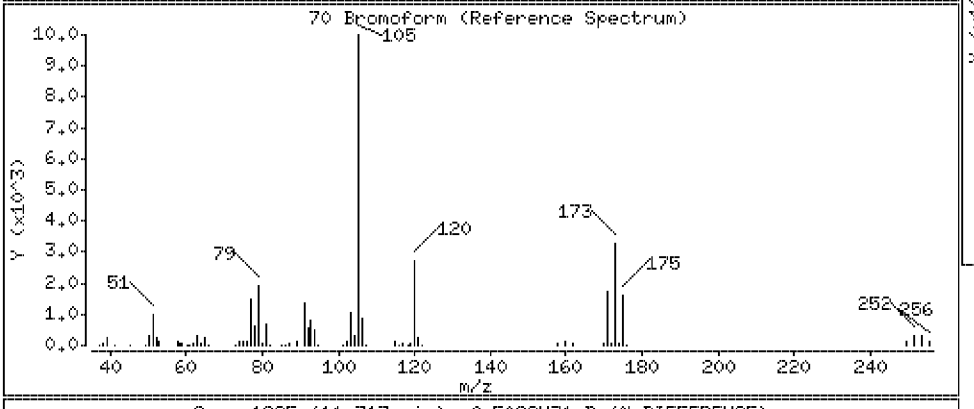
Column diameter: 0.18

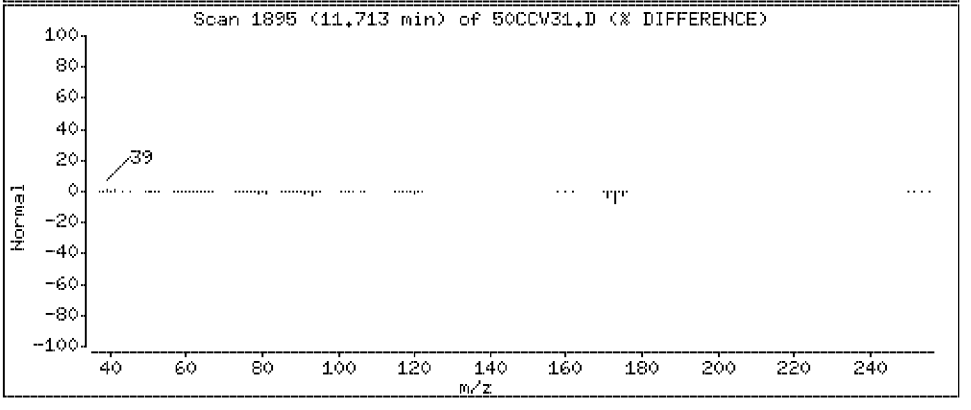
70 Bromoform

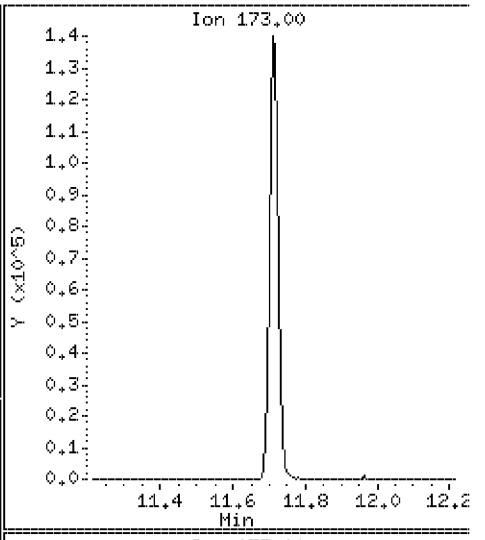
Concentration: 53.9 ug/l

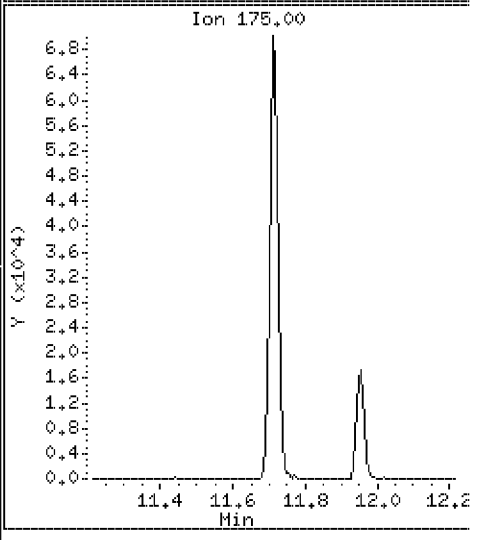












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

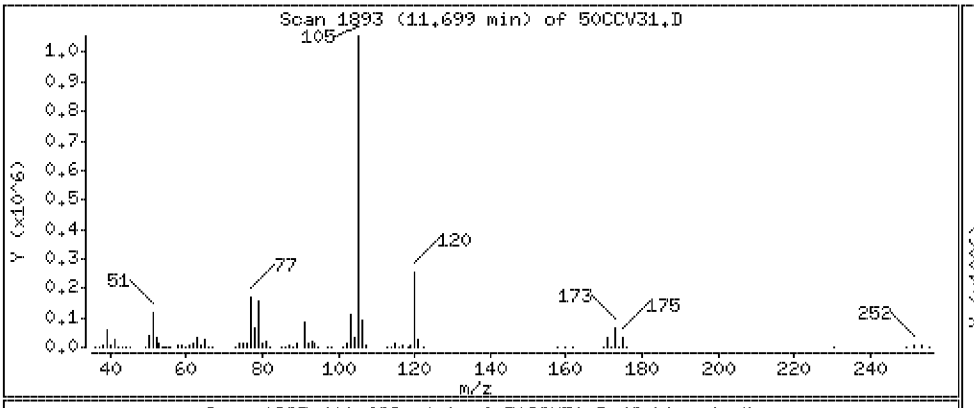
Client ID: 061507CCVA31 Instrument: vms03.i

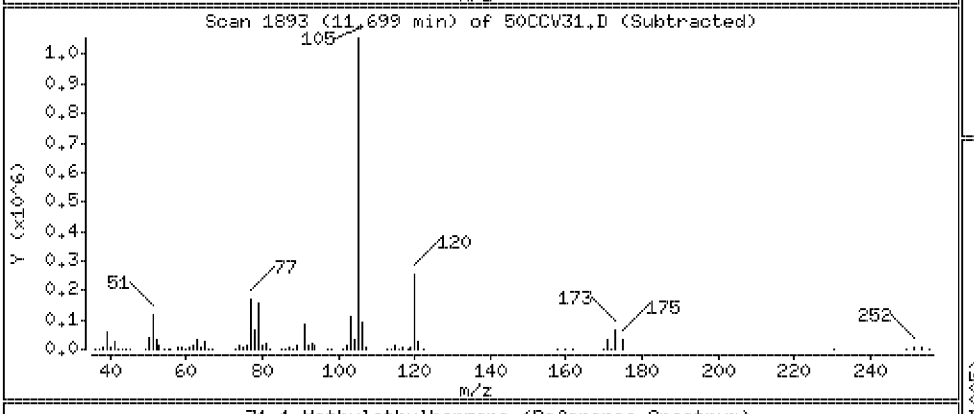
Sample Info: 061507CCVA31

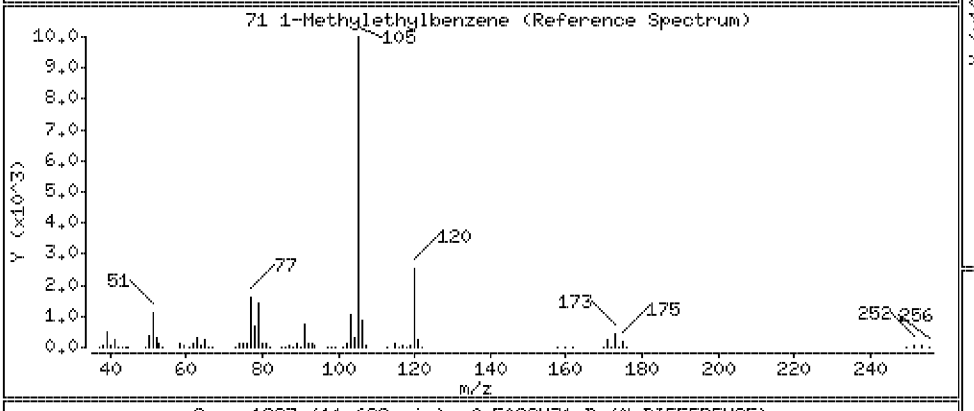
Purge Volume: 5.0 Operator:

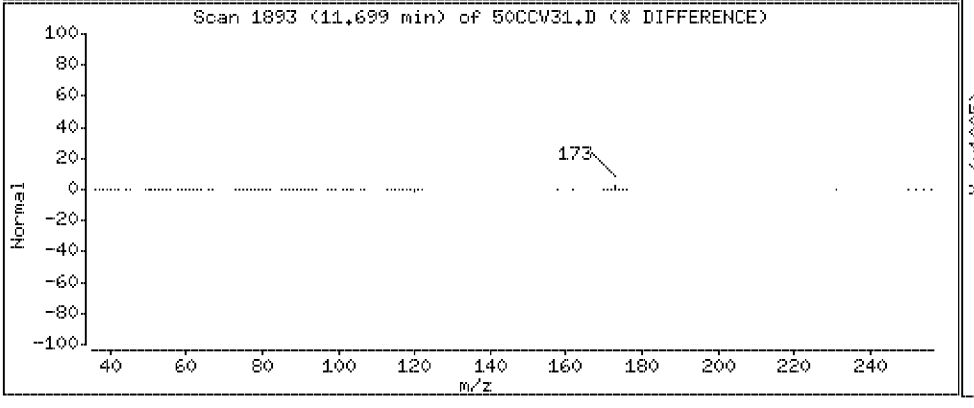
Column phase: DB-624 Column diameter: 0.18

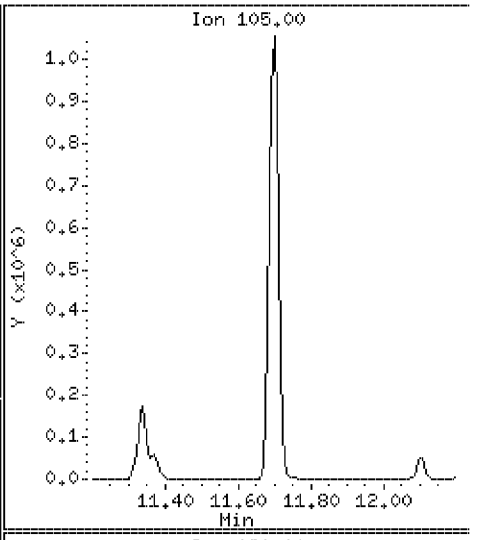
71 1-Methylethylbenzene Concentration: 49.9 ug/l

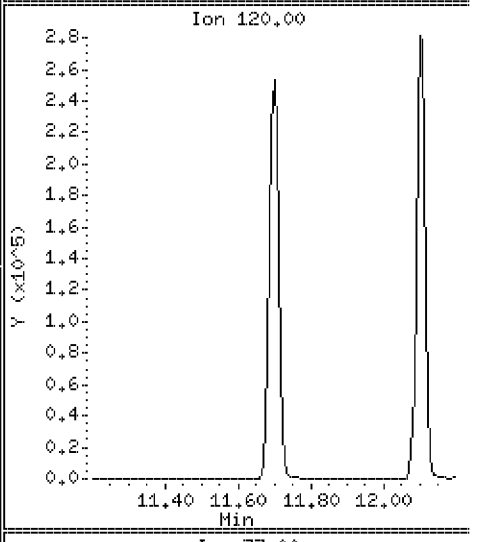


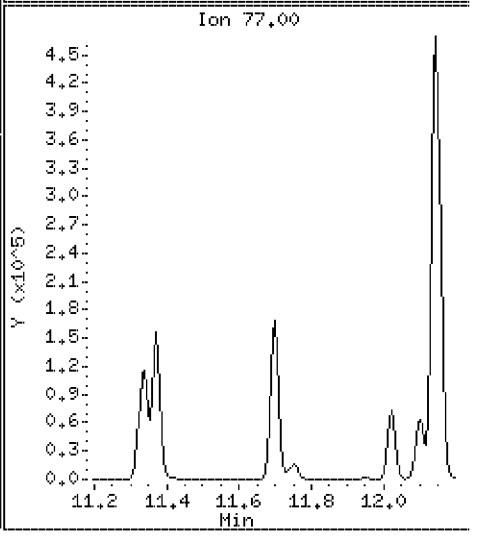












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

Client ID: 061507CCVA31

Instrument: vms03.i

Sample Info: 061507CCVA31

Purge Volume: 5.0

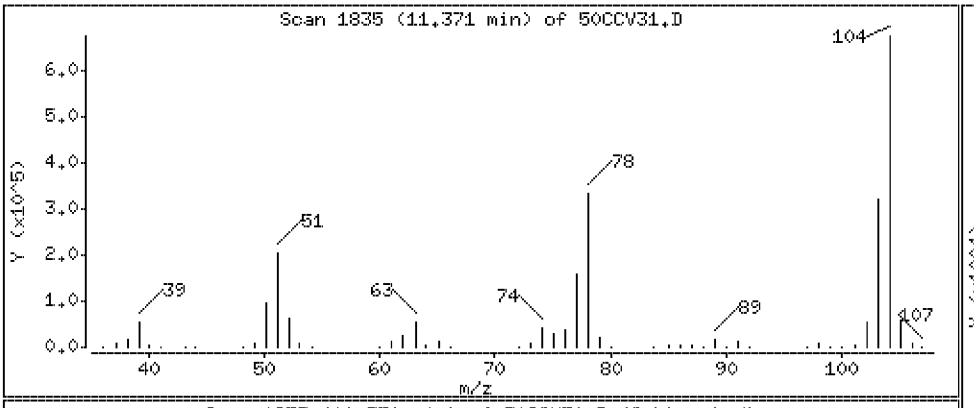
Operator:

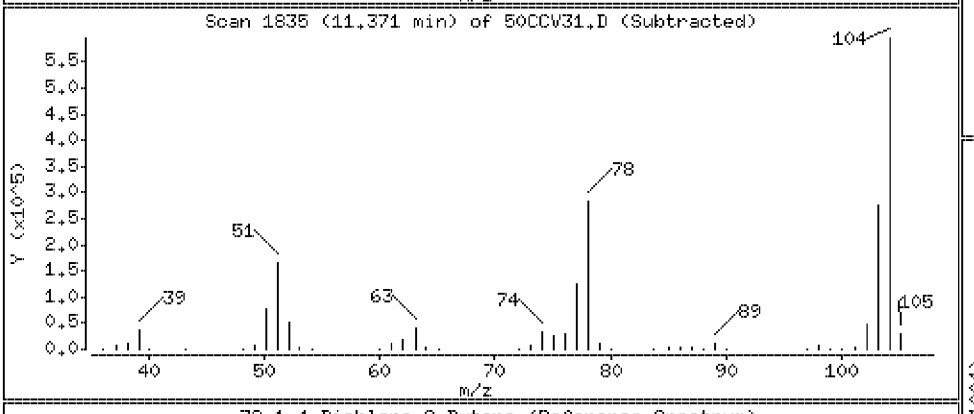
Column phase: DB-624

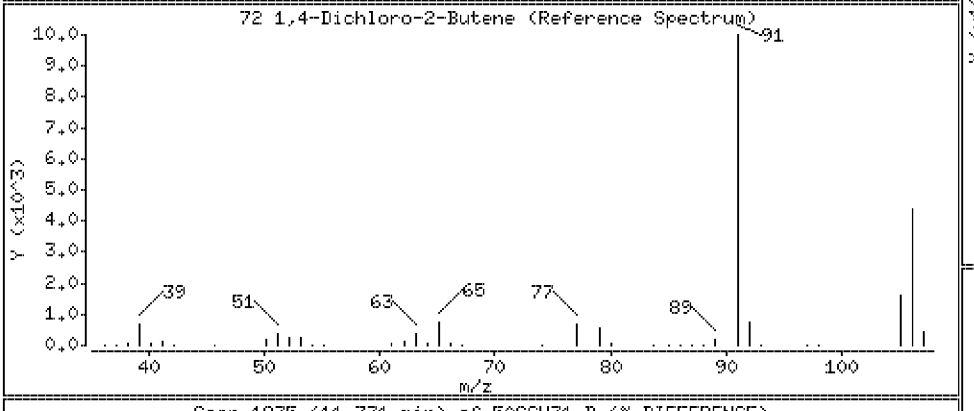
Column diameter: 0.18

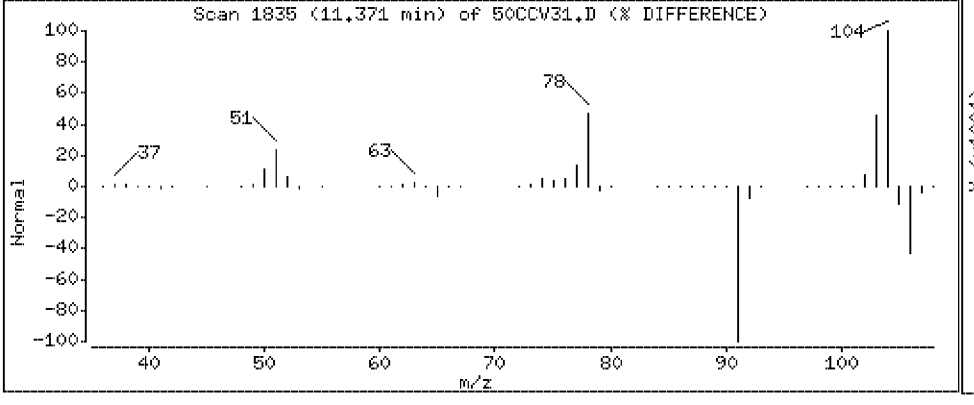
72 1,4-Dichloro-2-Butene

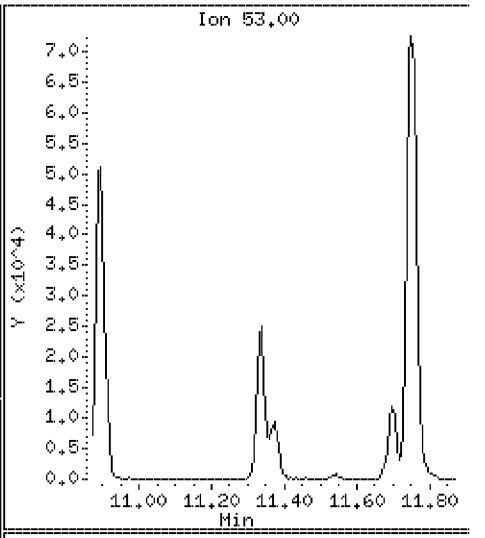
Concentration: 101 ug/l

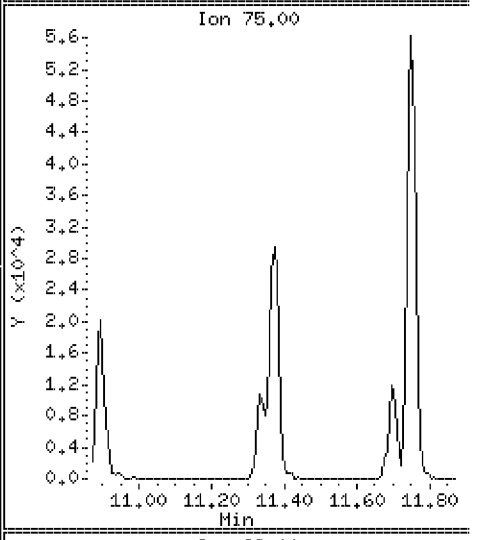


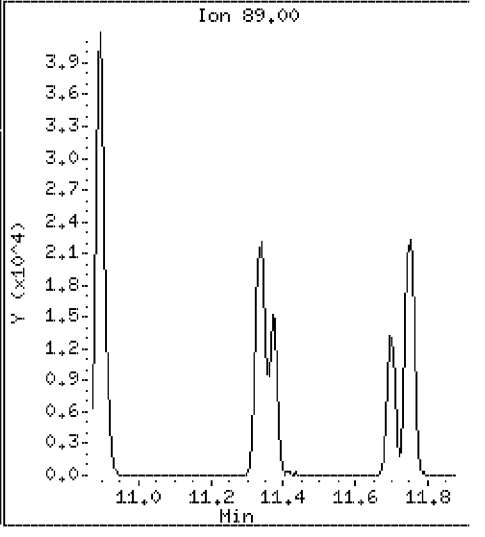












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

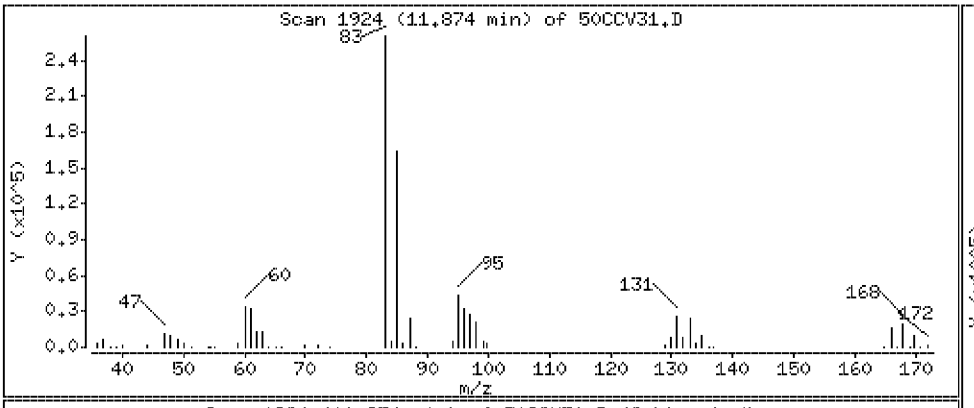
Client ID: 061507CCVA31 Instrument: vms03.i

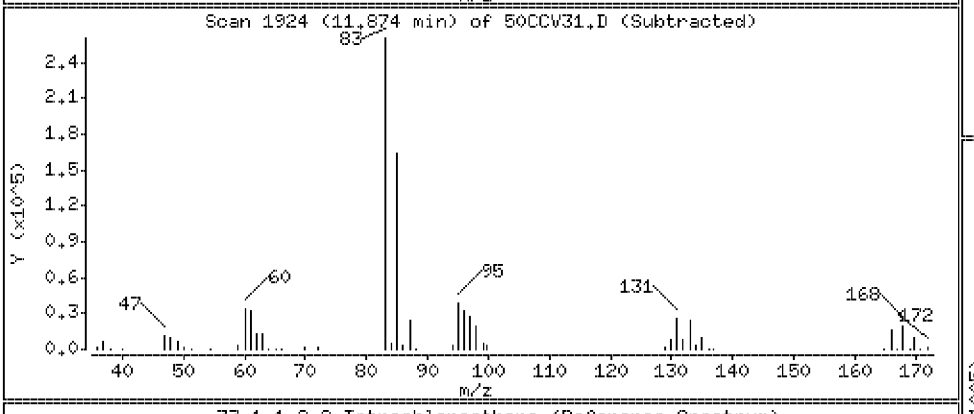
Sample Info: 061507CCVA31

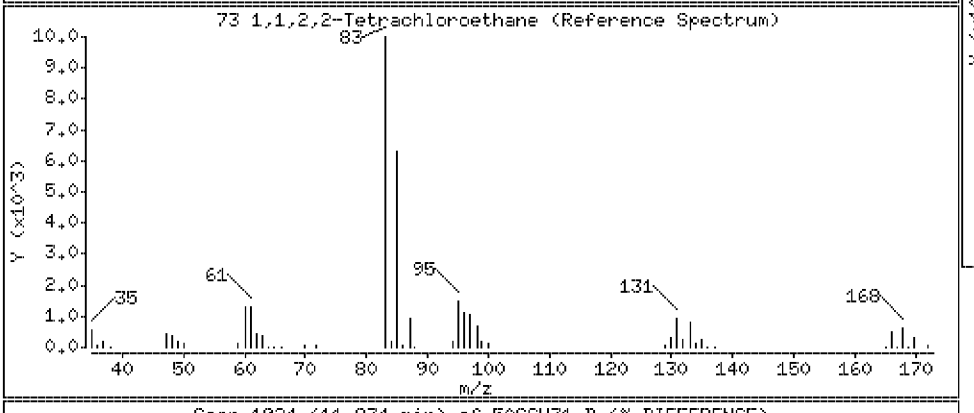
Purge Volume: 5.0 Operator:

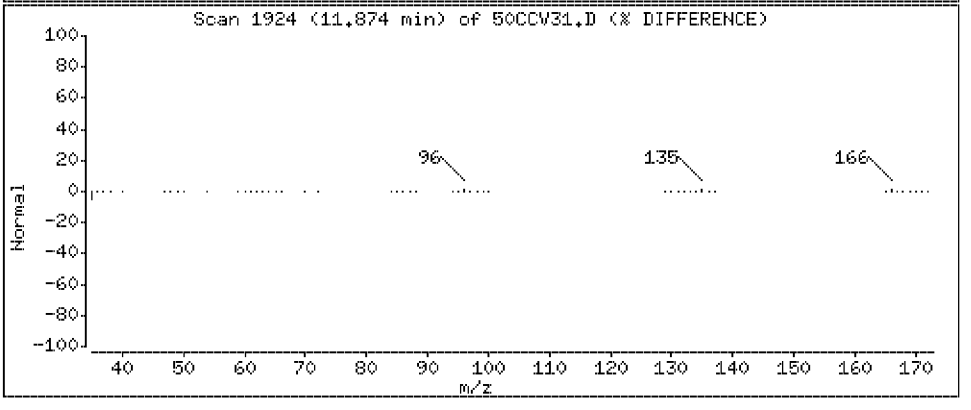
Column phase: DB-624 Column diameter: 0.18

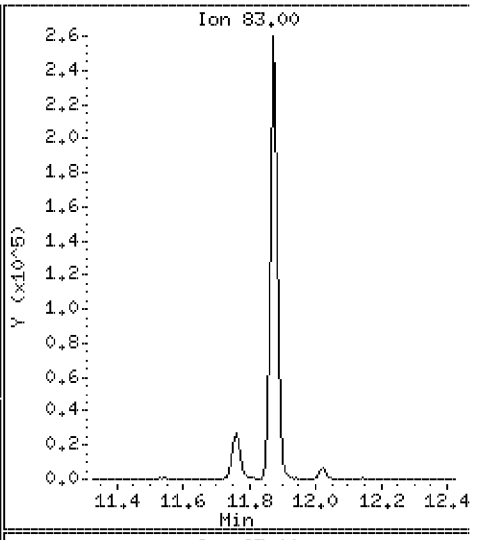
73 1,1,2,2-Tetrachloroethane Concentration: 49.4 ug/l

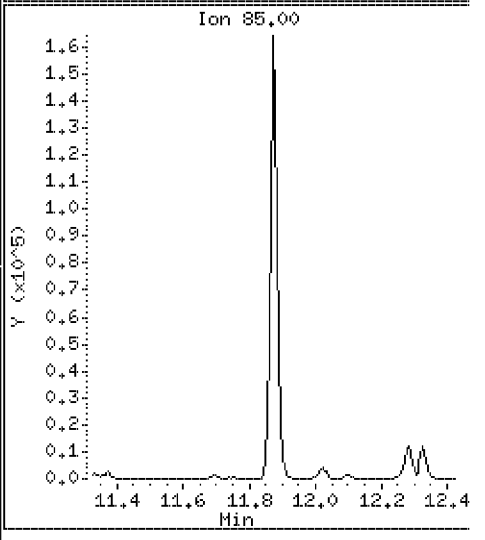












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

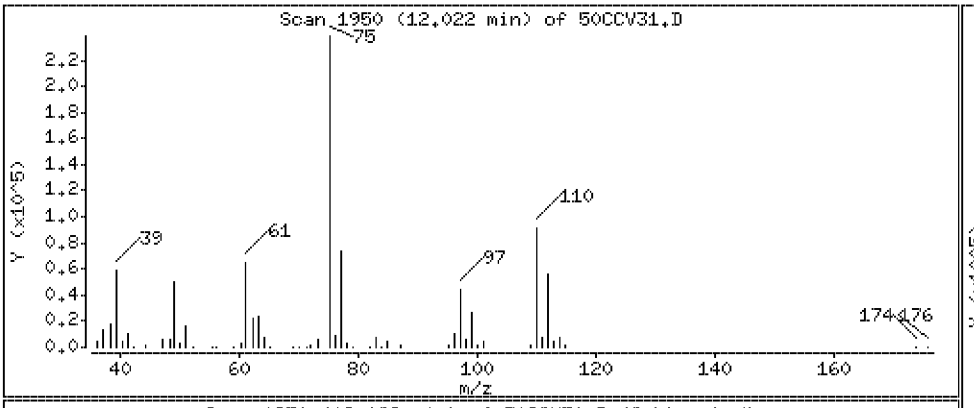
Client ID: 061507CCVA31 Instrument: vms03.i

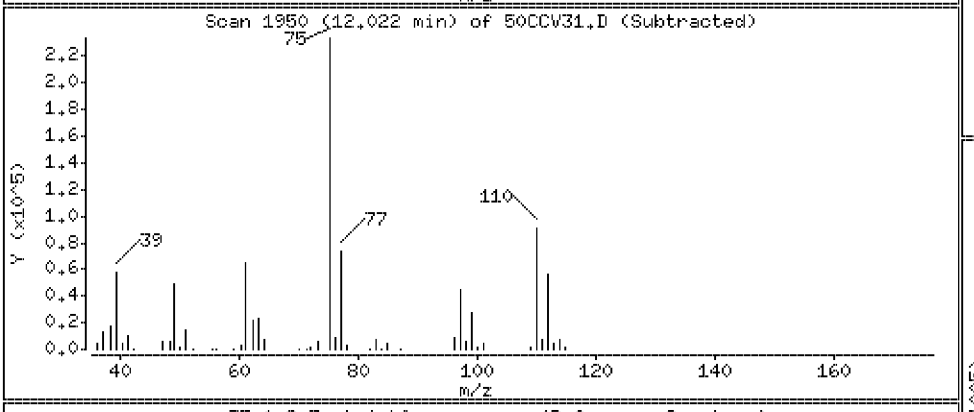
Sample Info: 061507CCVA31

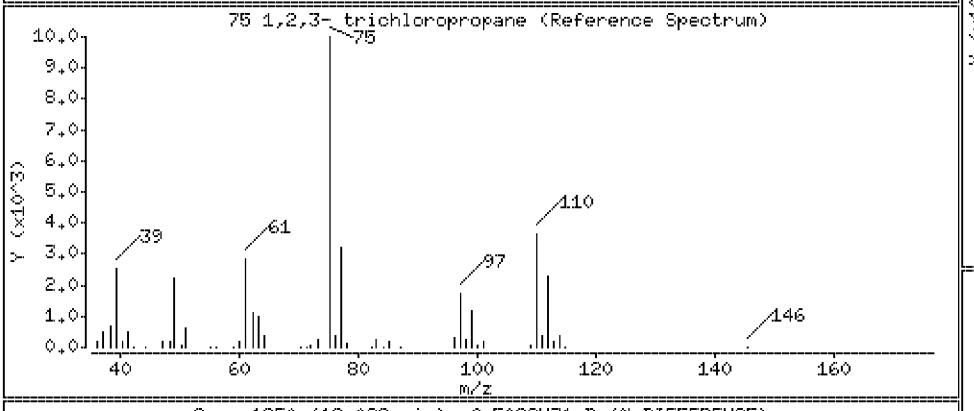
Purge Volume: 5.0 Operator:

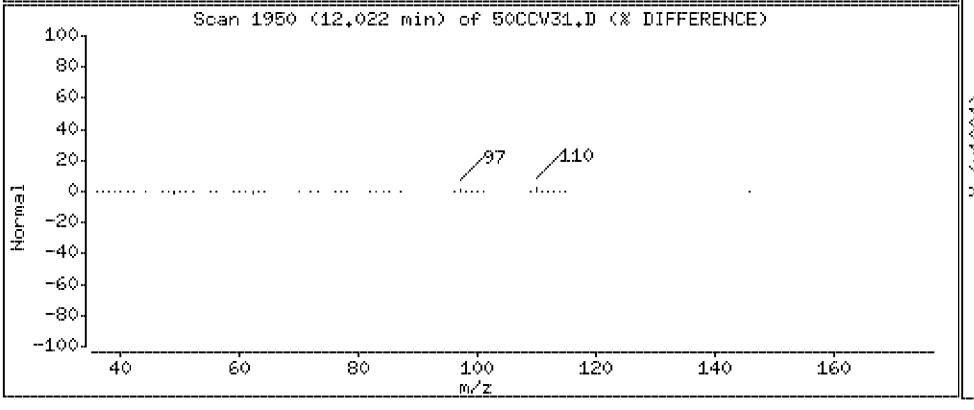
Column phase: DB-624 Column diameter: 0.18

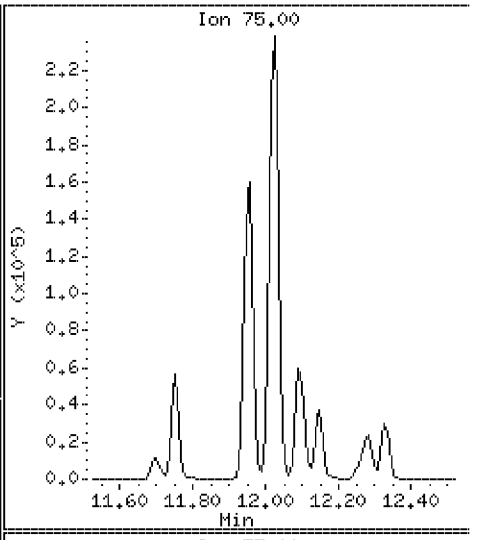
75 1,2,3- trichloropropane Concentration: 50.0 ug/l

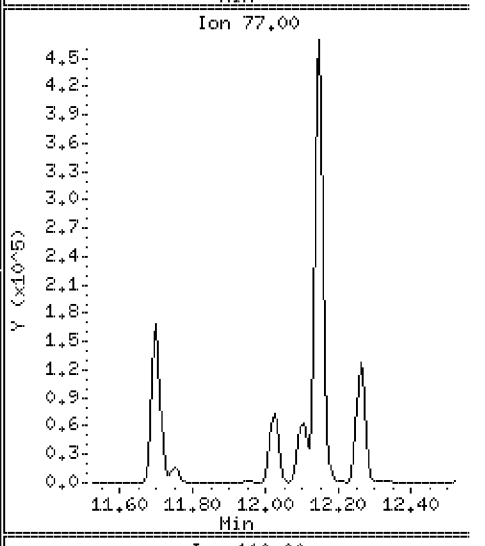


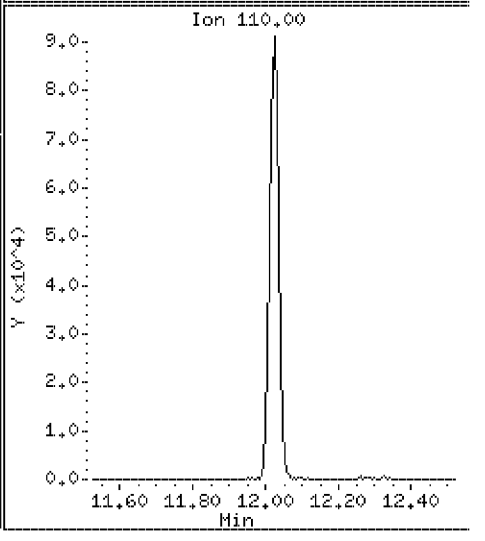












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

Client ID: 061507CCVA31

Instrument: vms03.i

Sample Info: 061507CCVA31

Purge Volume: 5.0

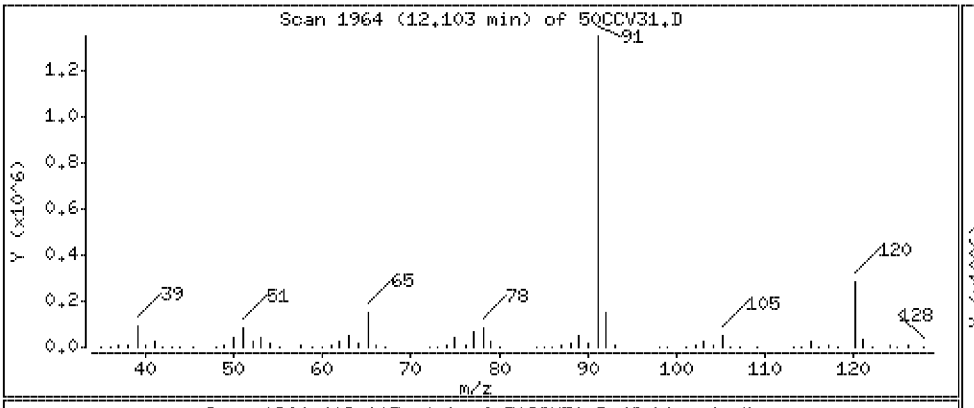
Operator:

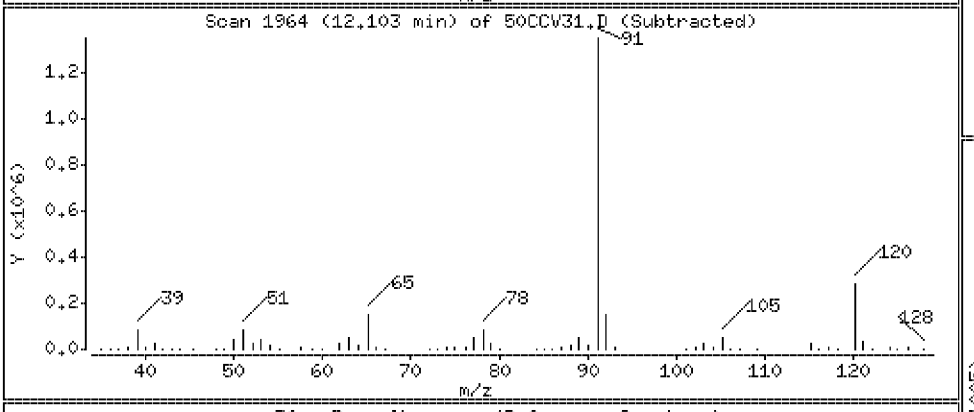
Column phase: DB-624

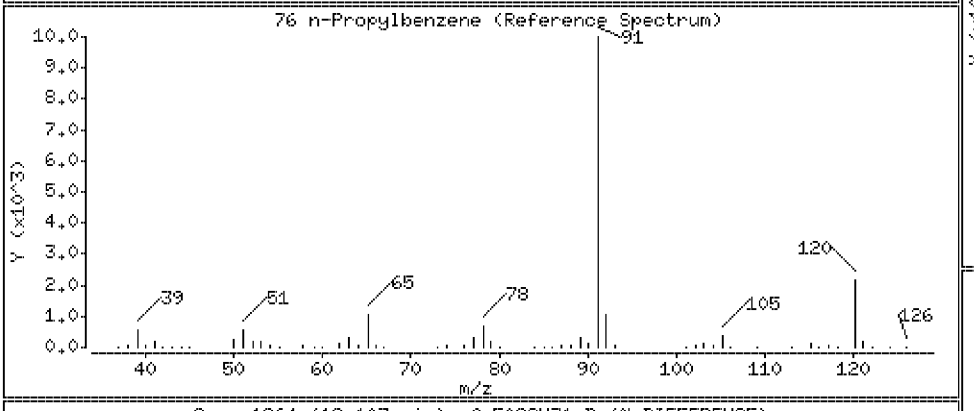
Column diameter: 0.18

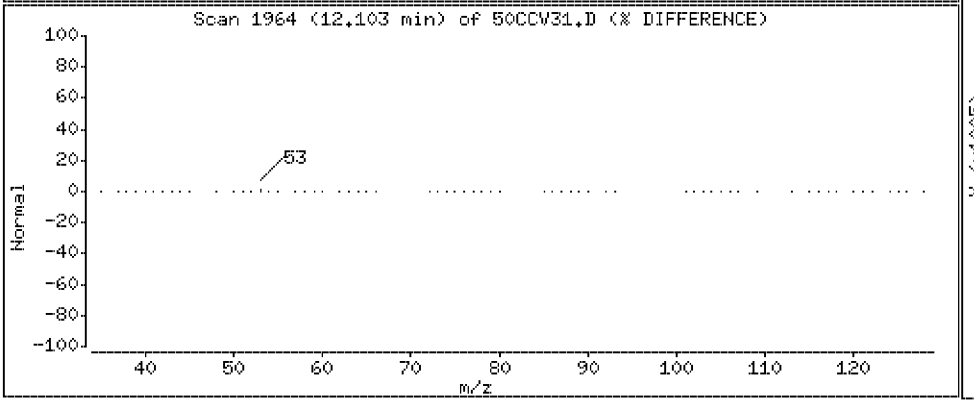
76 n-Propylbenzene

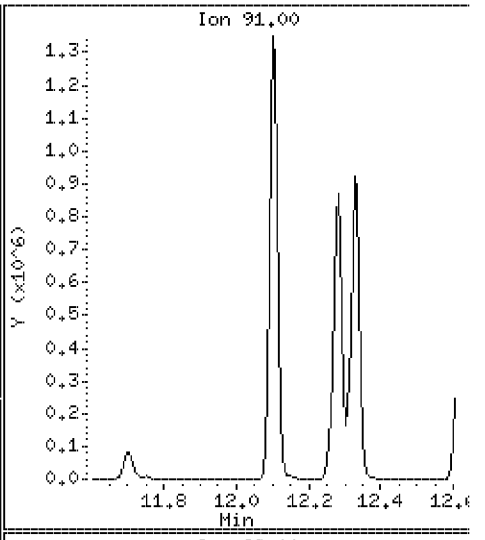
Concentration: 49.9 ug/l

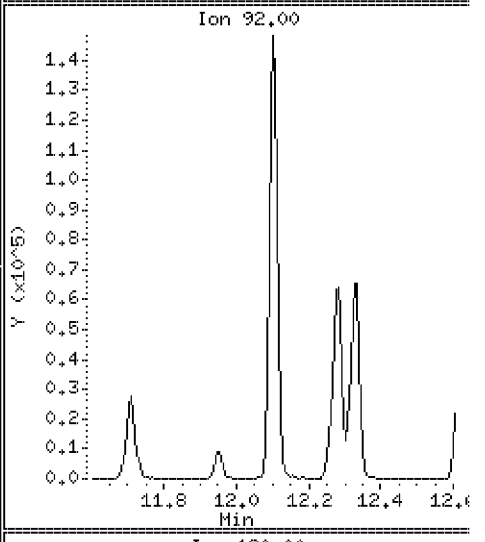


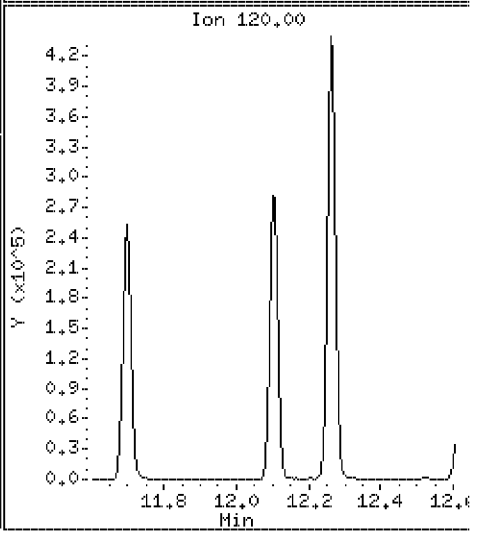












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

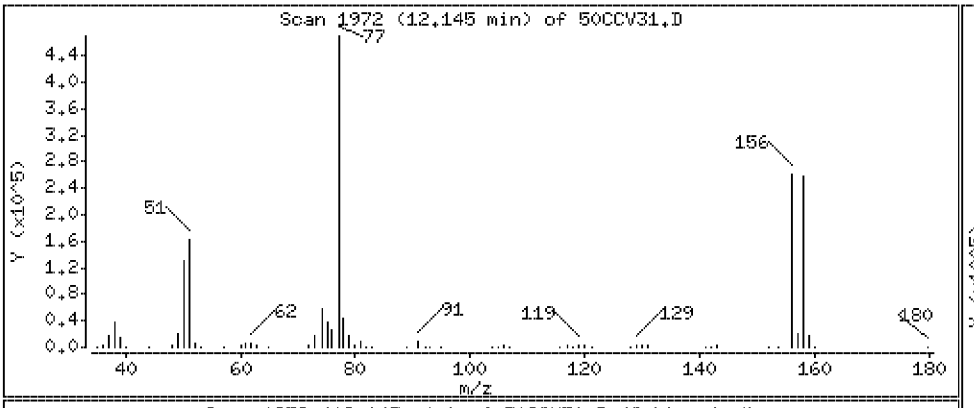
Client ID: 061507CCVA31 Instrument: vms03.i

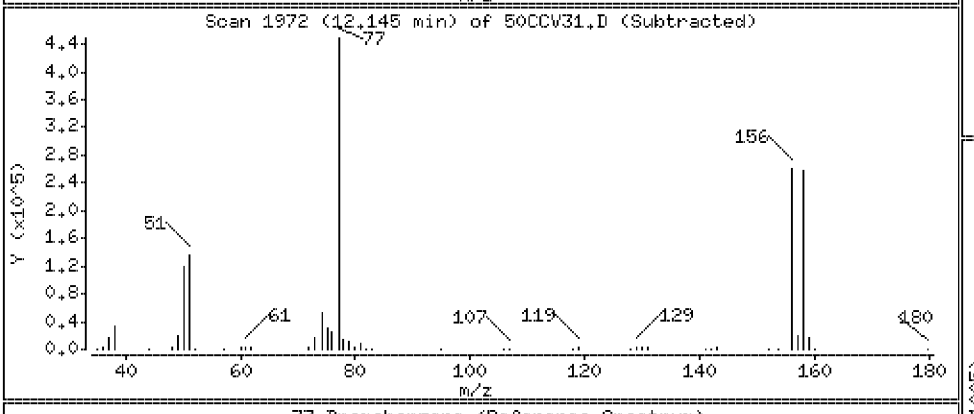
Sample Info: 061507CCVA31

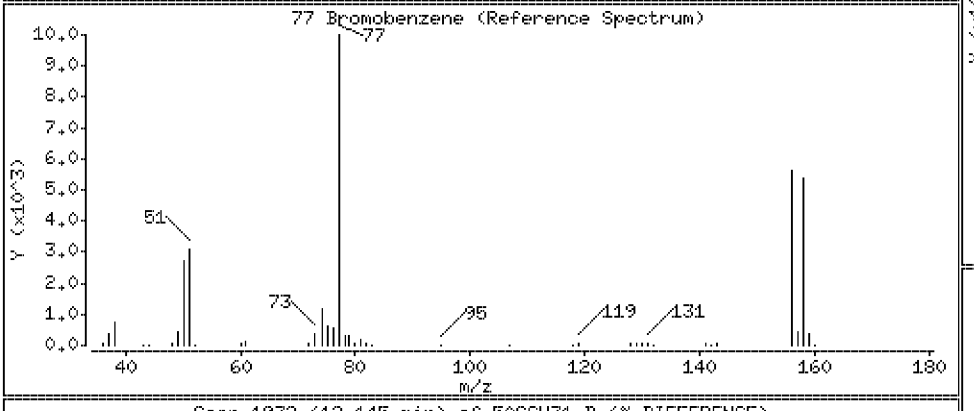
Purge Volume: 5.0 Operator:

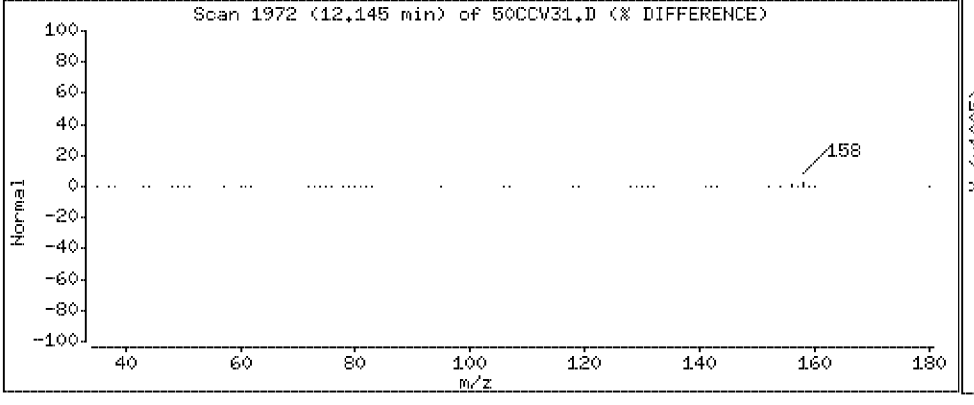
Column phase: DB-624 Column diameter: 0.18

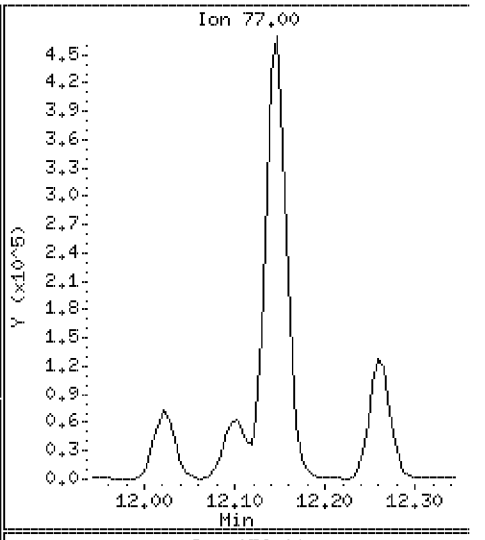
77 Bromobenzene Concentration: 48.4 ug/l

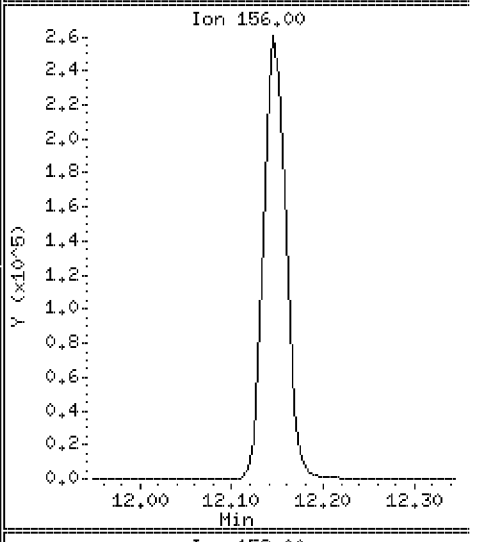


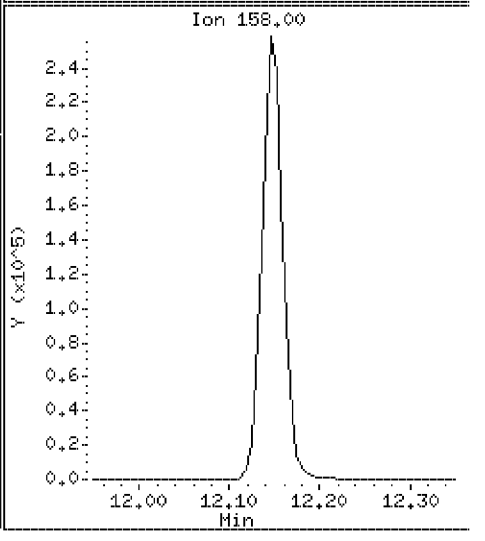












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

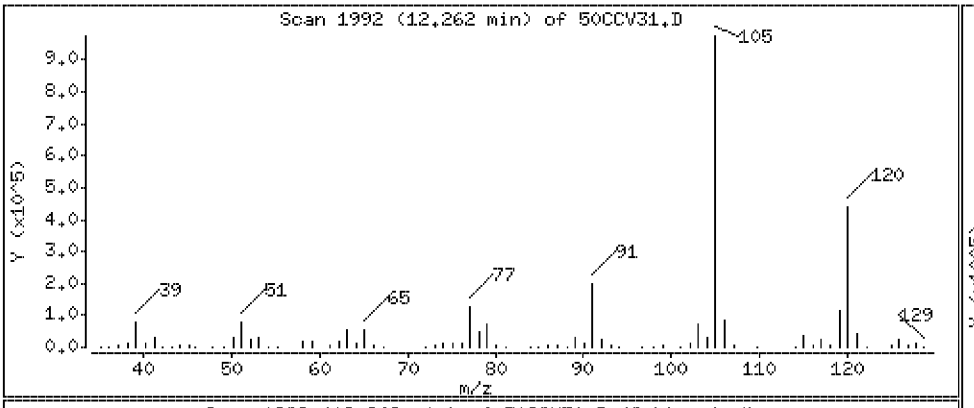
Client ID: 061507CCVA31 Instrument: vms03.i

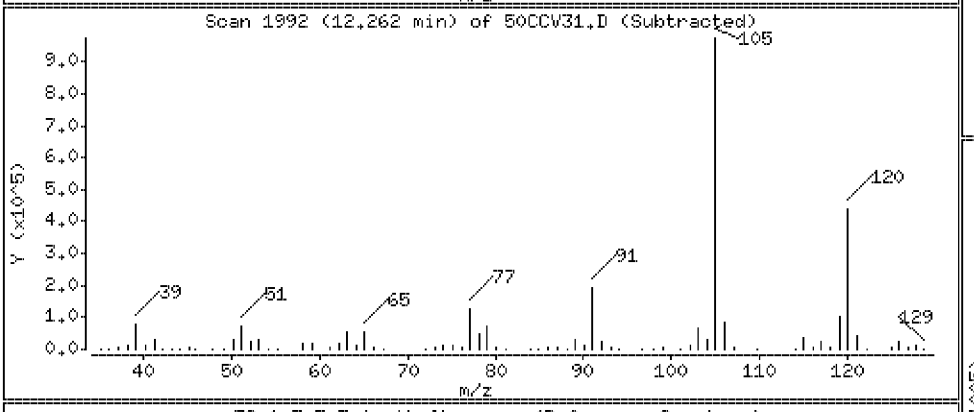
Sample Info: 061507CCVA31

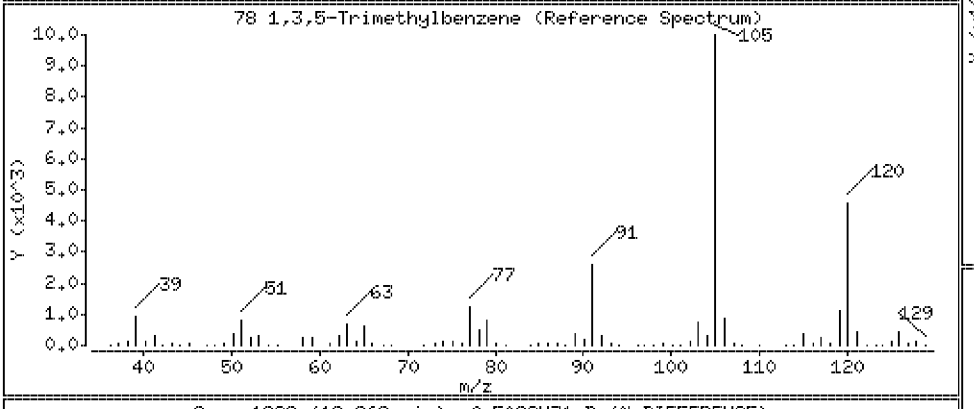
Purge Volume: 5.0 Operator:

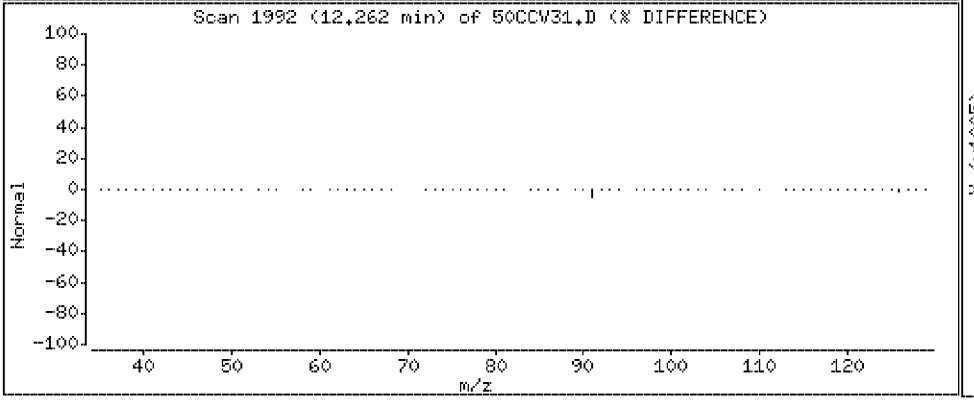
Column phase: DB-624 Column diameter: 0.18

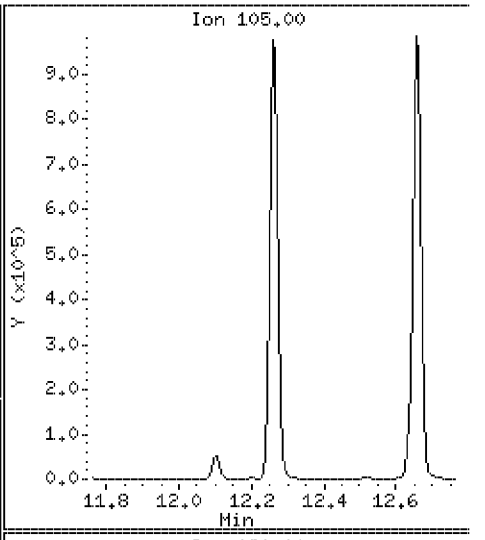
78 1,3,5-Trimethylbenzene Concentration: 50.9 ug/l

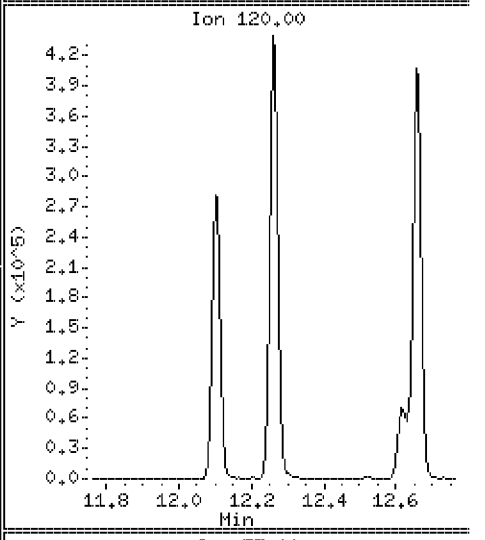


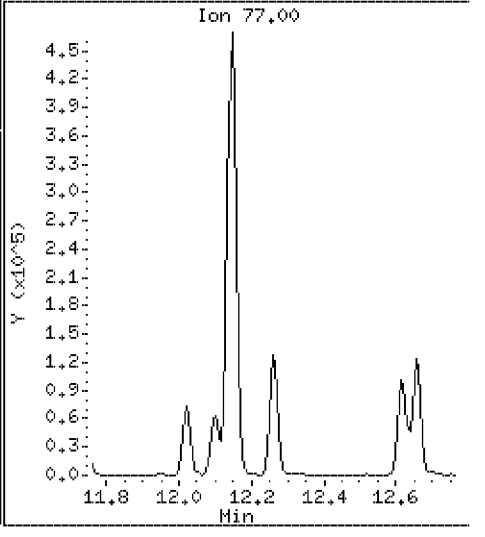












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

Client ID: 061507CCVA31

Instrument: vms03.i

Sample Info: 061507CCVA31

Purge Volume: 5.0

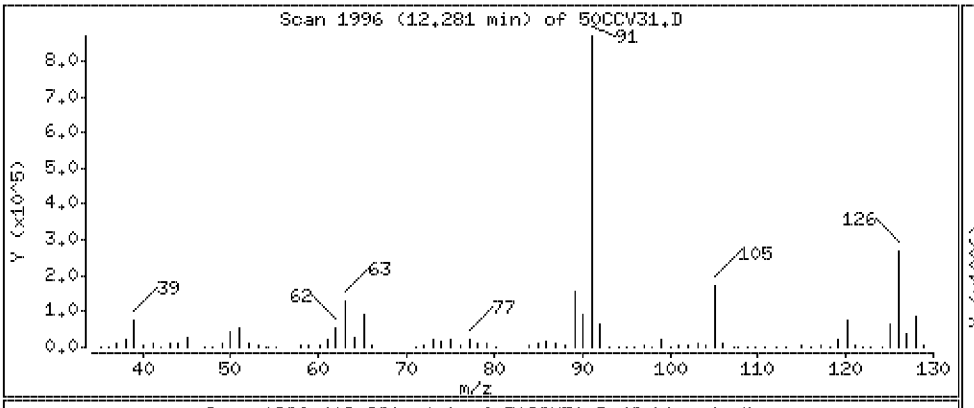
Operator:

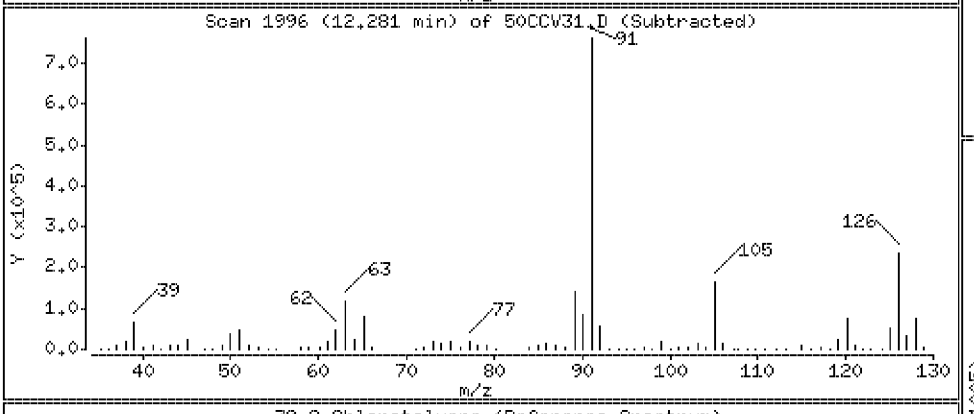
Column phase: DB-624

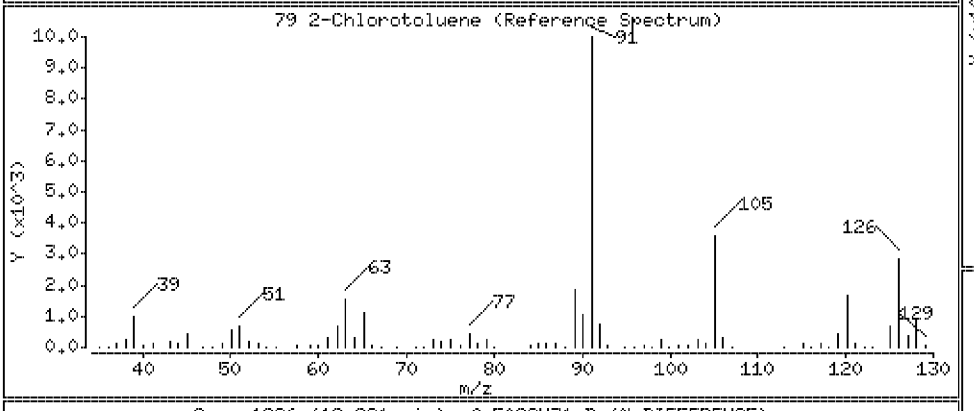
Column diameter: 0.18

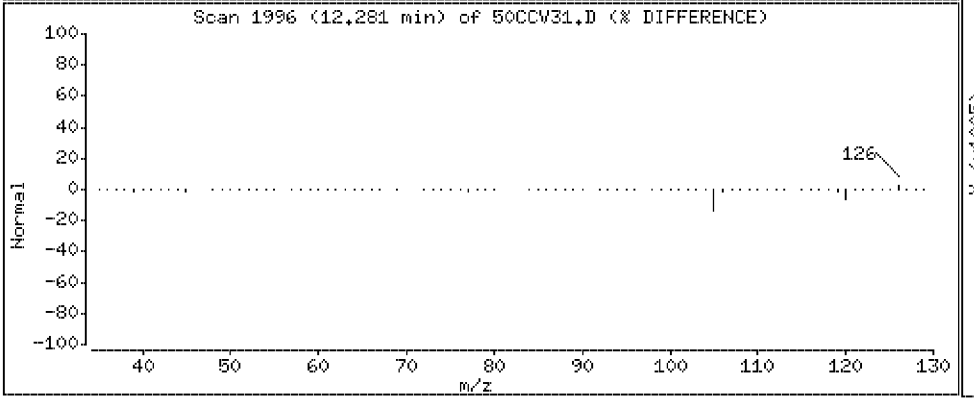
79 2-Chlorotoluene

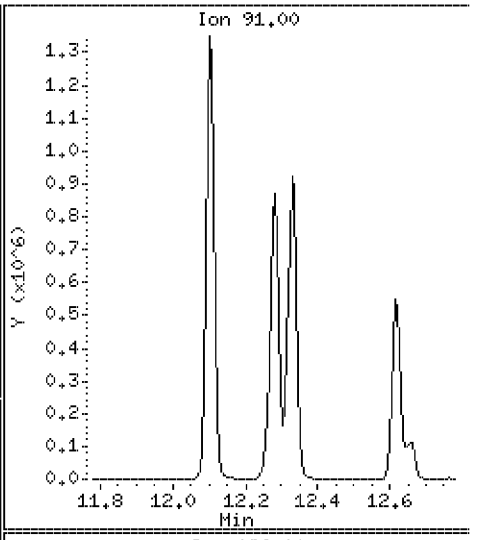
Concentration: 49.9 ug/l

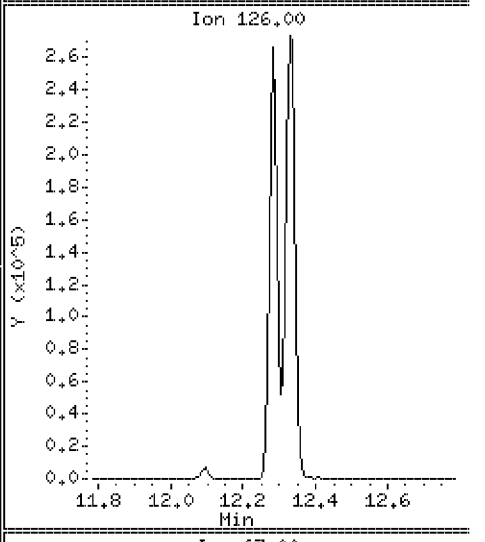


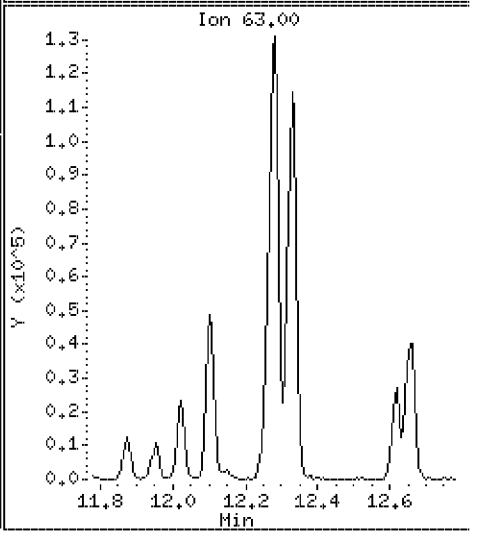












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

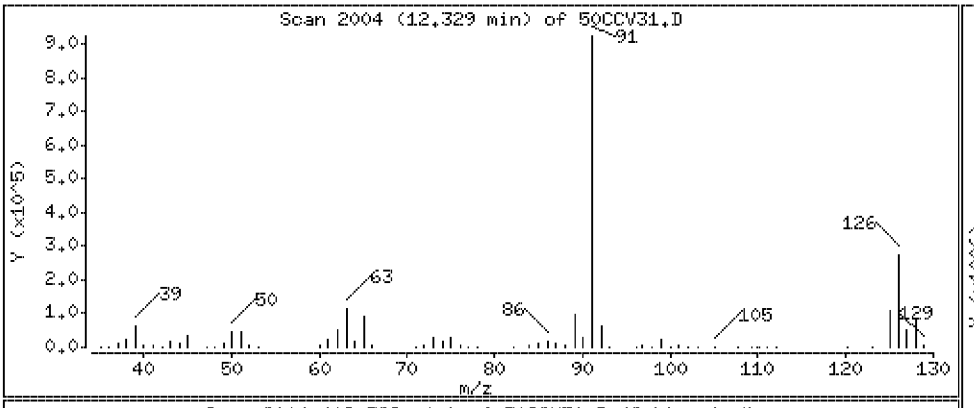
Client ID: 061507CCVA31 Instrument: vms03.i

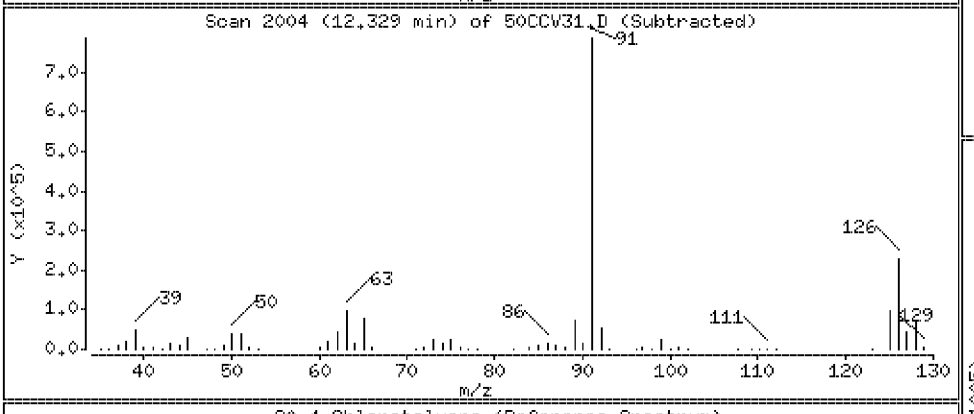
Sample Info: 061507CCVA31

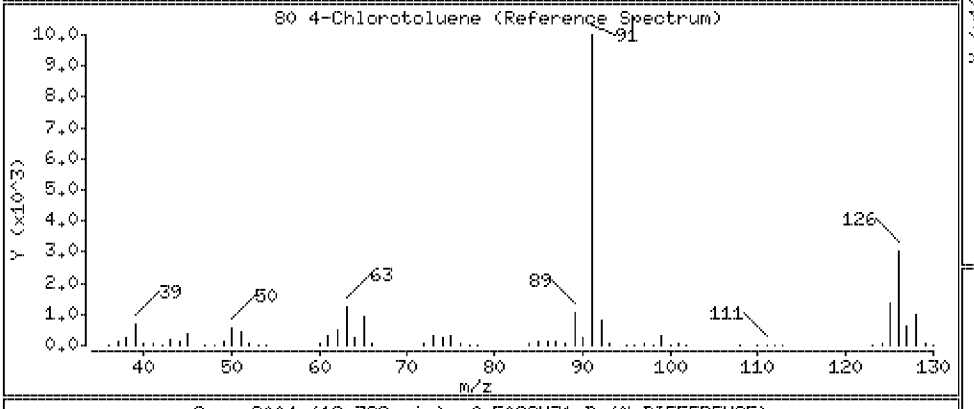
Purge Volume: 5.0 Operator:

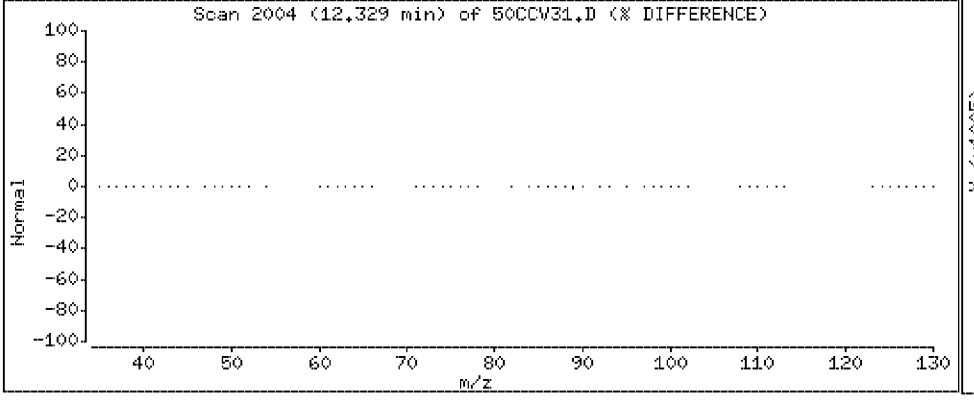
Column phase: DB-624 Column diameter: 0.18

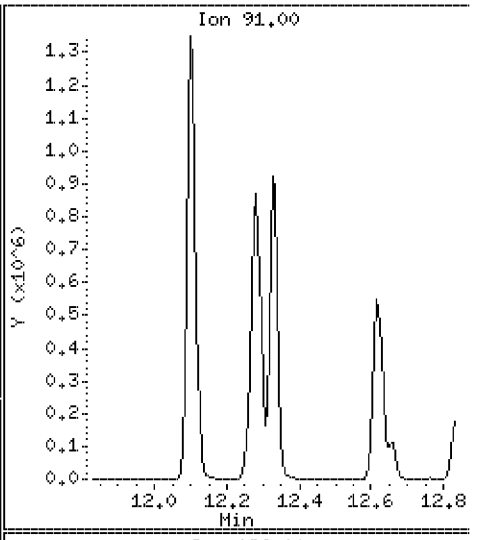
80 4-Chlorotoluene Concentration: 49.0 ug/l

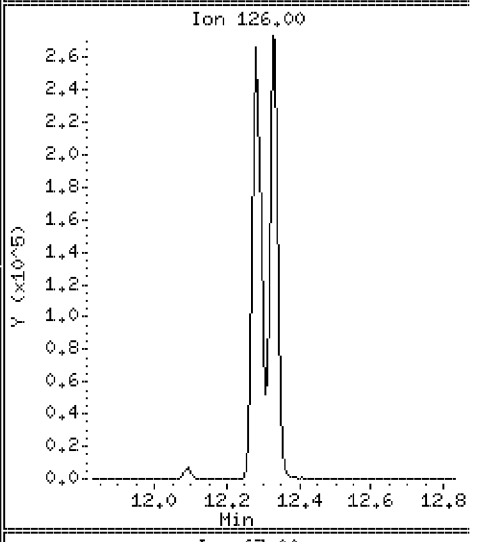


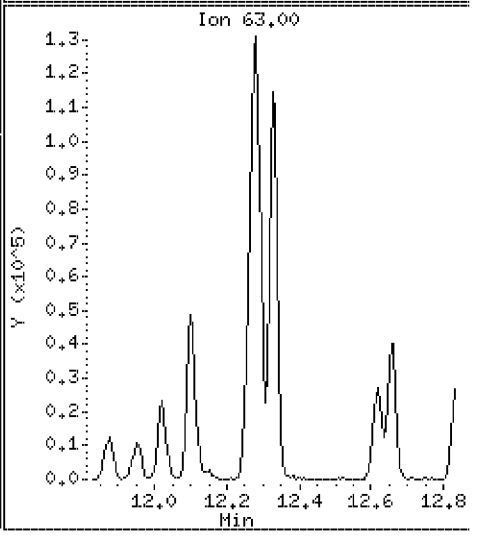












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

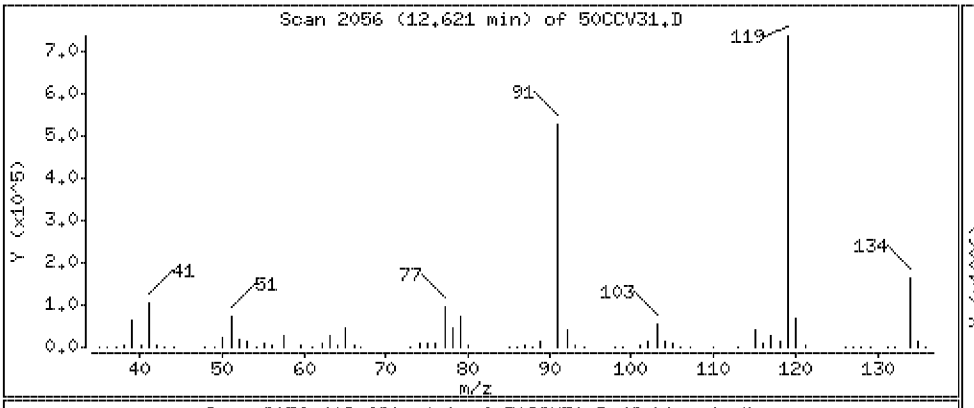
Client ID: 061507CCVA31 Instrument: vms03.i

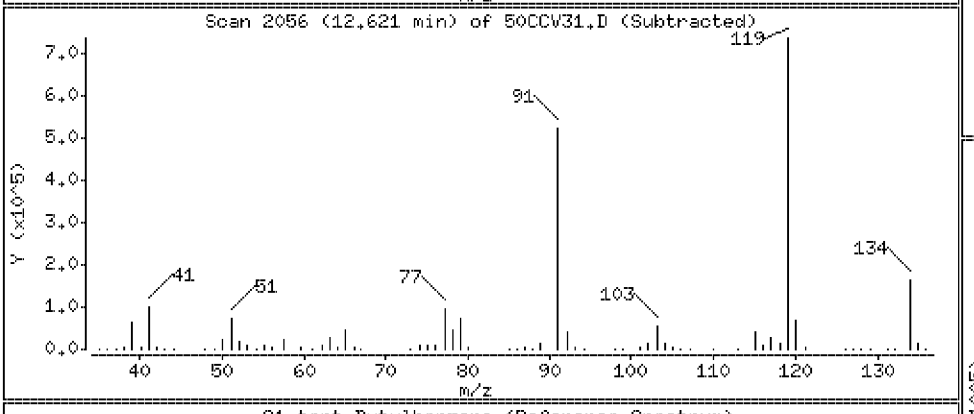
Sample Info: 061507CCVA31

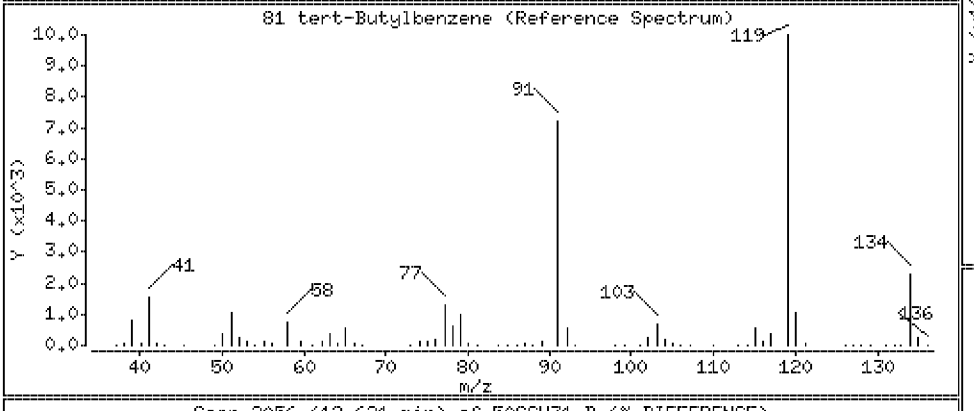
Purge Volume: 5.0 Operator:

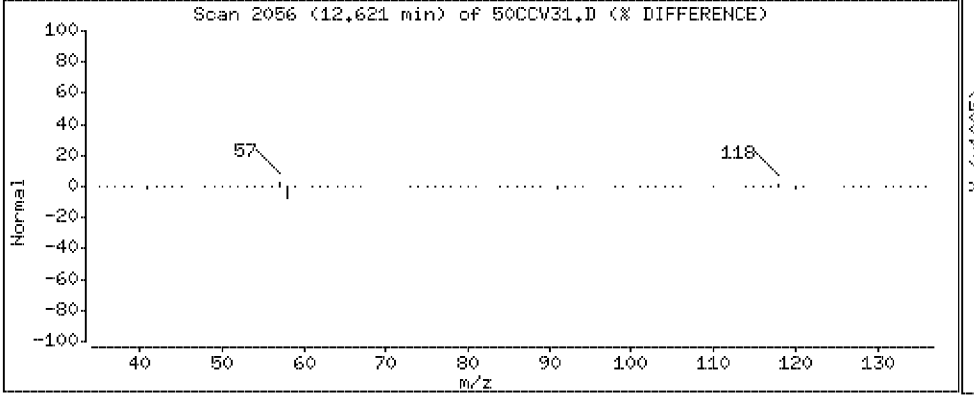
Column phase: DB-624 Column diameter: 0.18

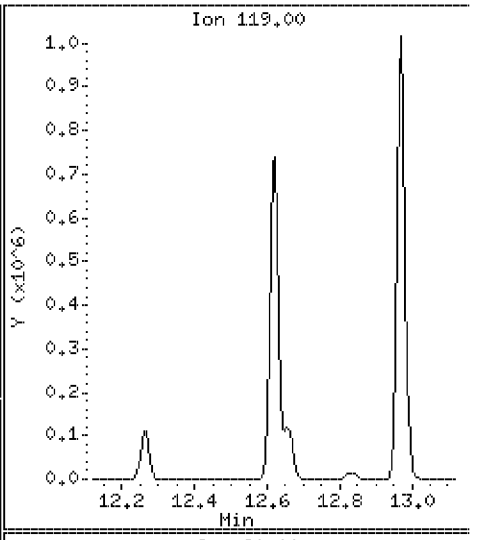
81 tert-Butylbenzene Concentration: 50.3 ug/l

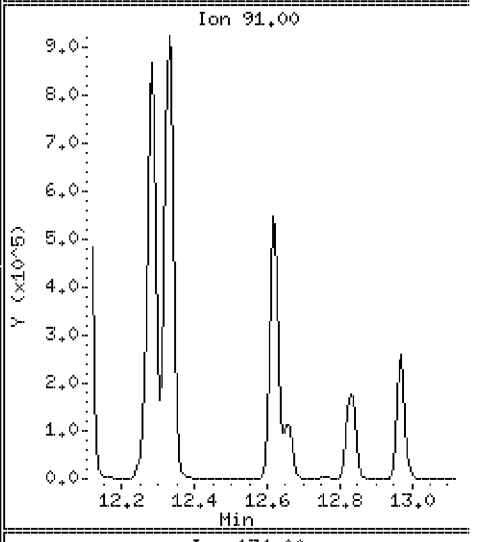


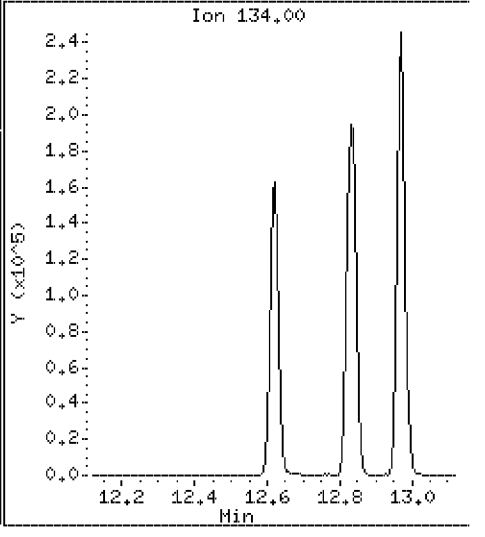












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

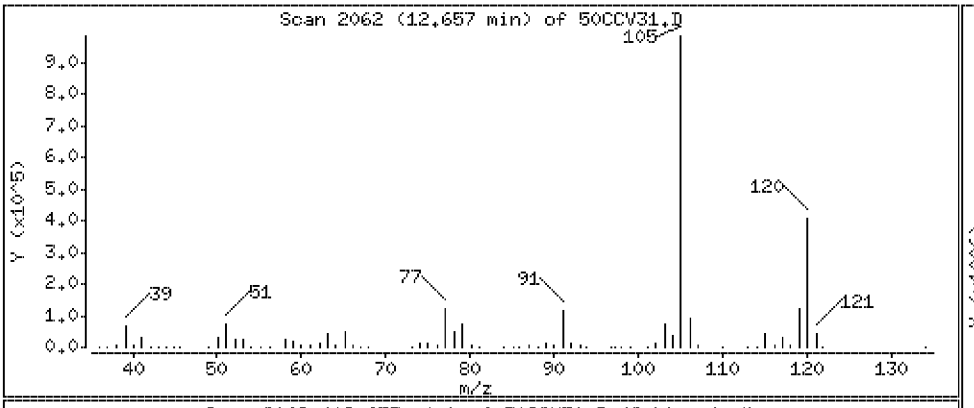
Client ID: 061507CCVA31 Instrument: vms03.i

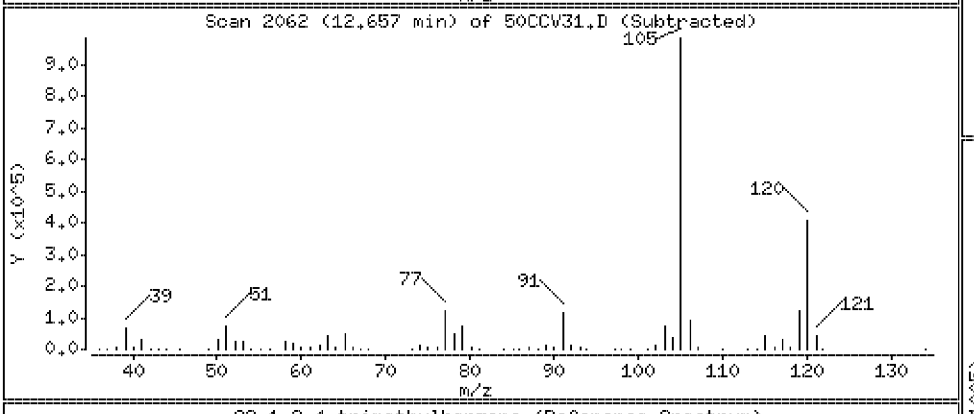
Sample Info: 061507CCVA31

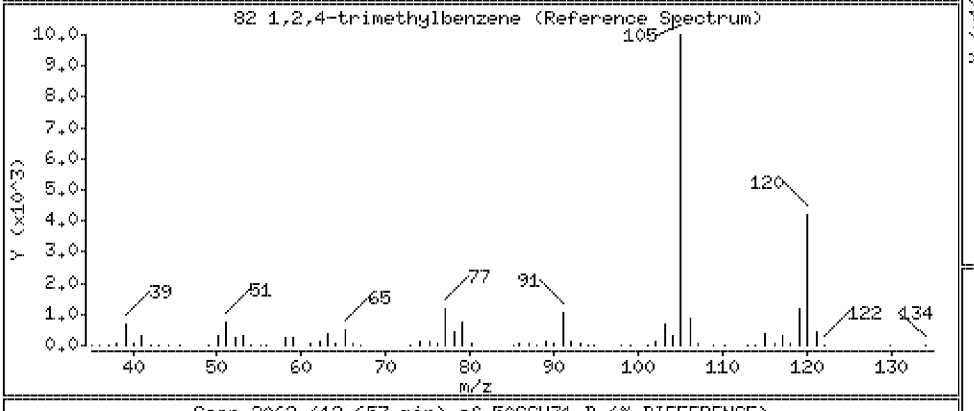
Purge Volume: 5.0 Operator:

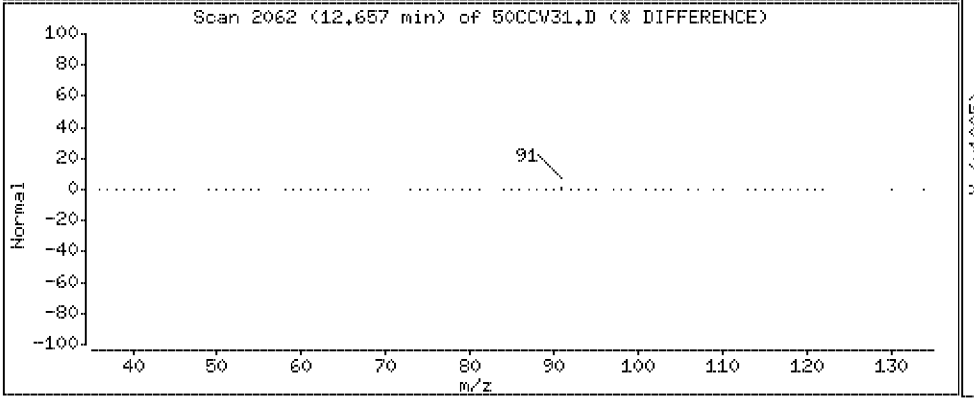
Column phase: DB-624 Column diameter: 0.18

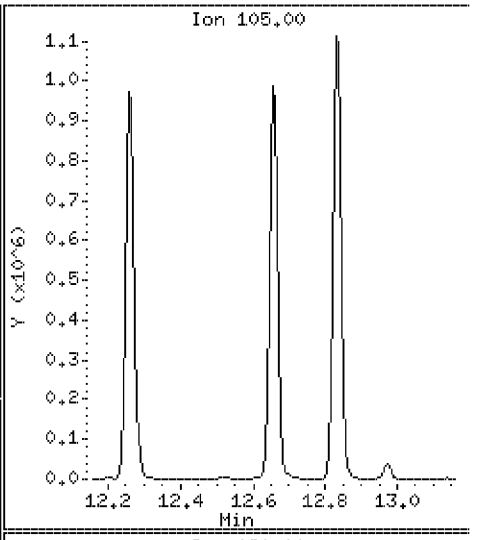
82 1,2,4-trimethylbenzene Concentration: 51.4 ug/l

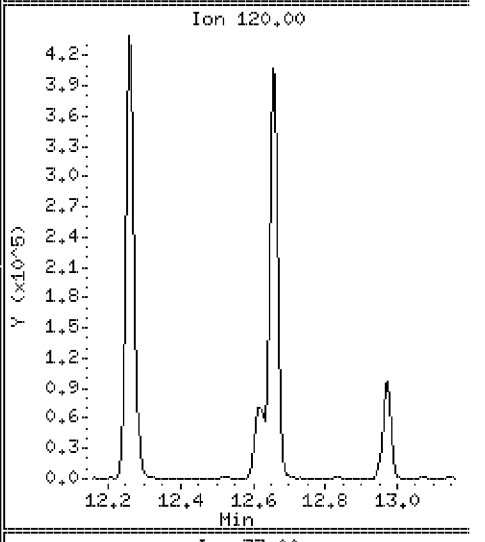


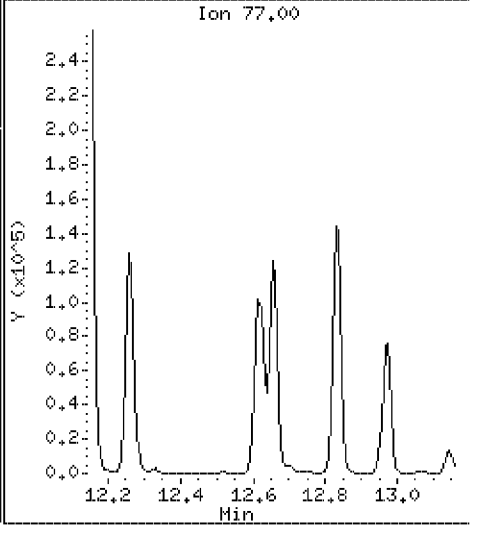












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

Client ID: 061507CCVA31

Instrument: vms03.i

Sample Info: 061507CCVA31

Purge Volume: 5.0

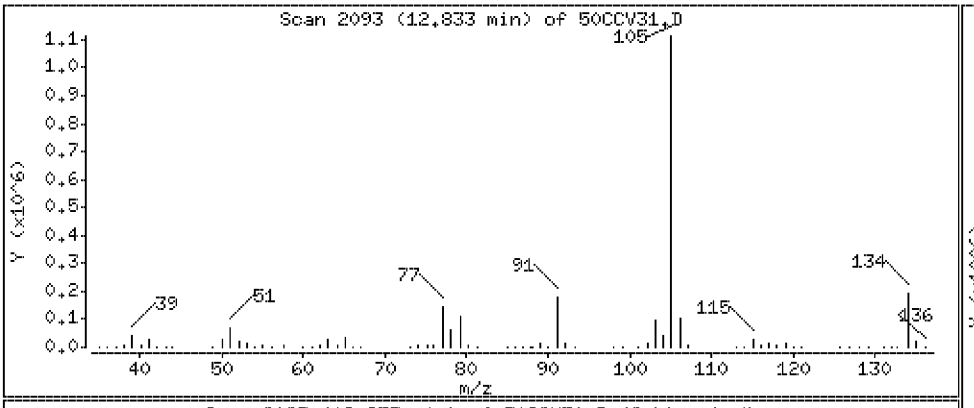
Operator:

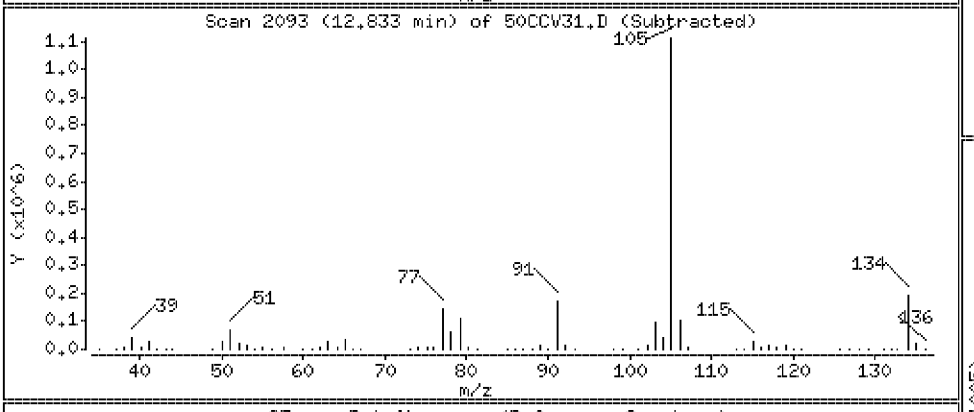
Column phase: DB-624

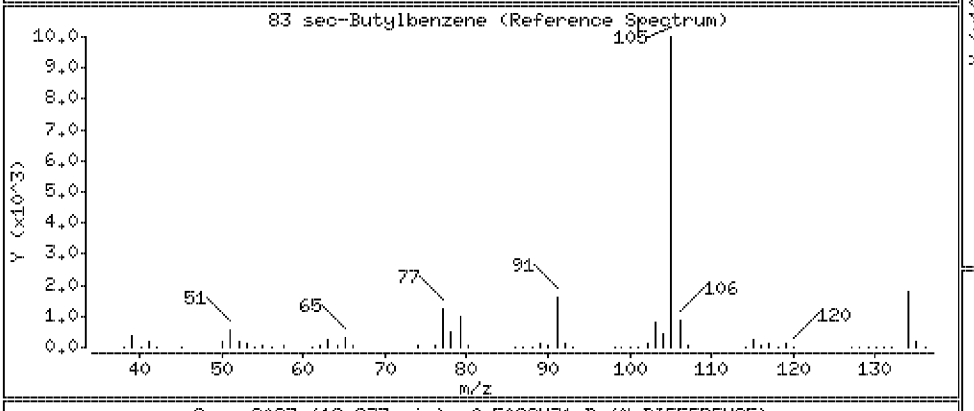
Column diameter: 0.18

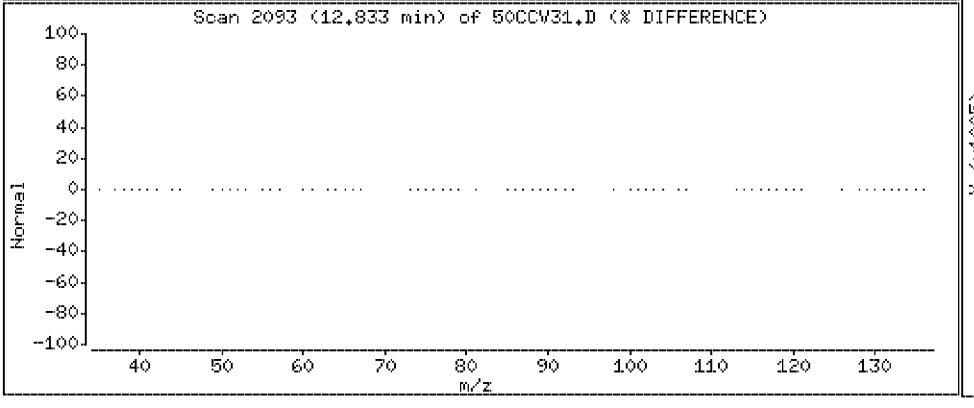
83 sec-Butylbenzene

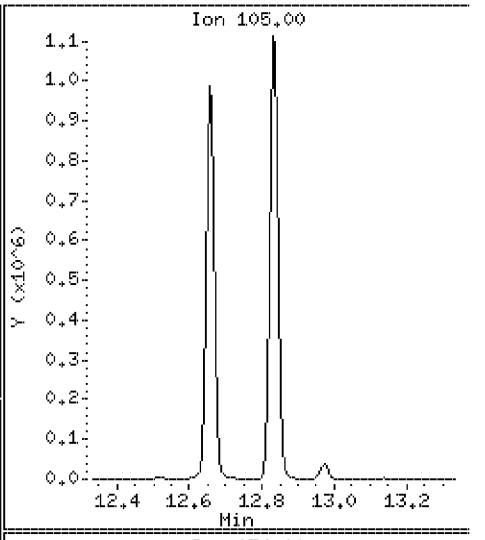
Concentration: 51.4 ug/l

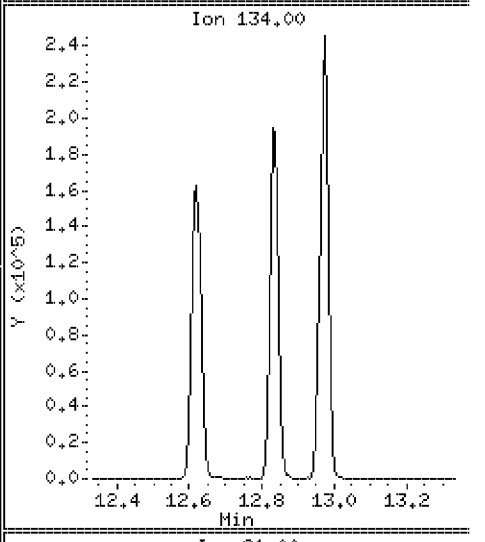


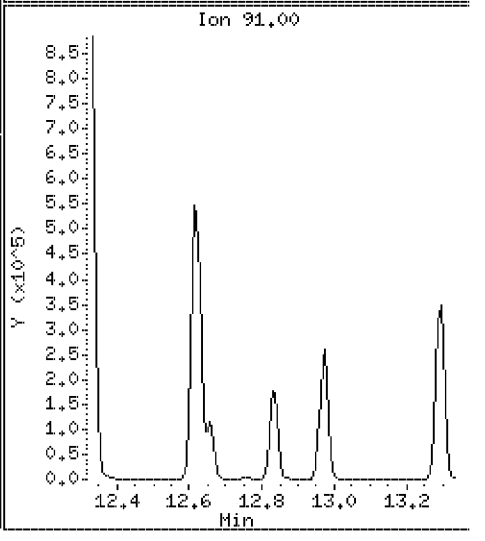












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

Client ID: 061507CCVA31

Instrument: vms03.i

Sample Info: 061507CCVA31

Purge Volume: 5.0

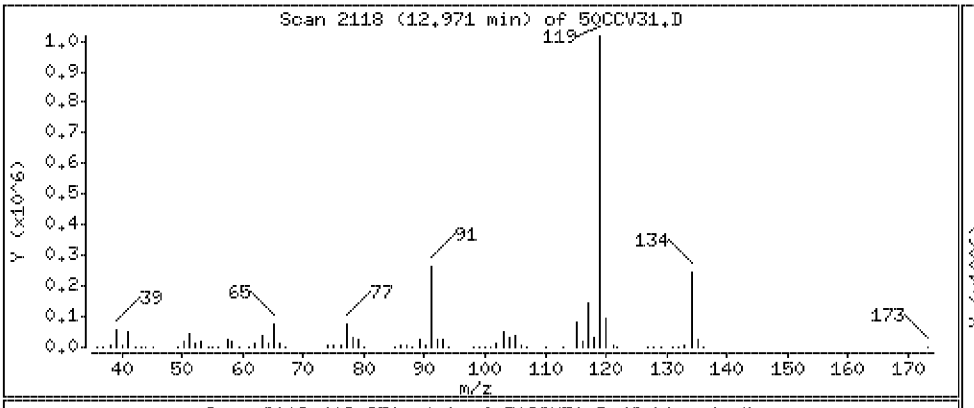
Operator:

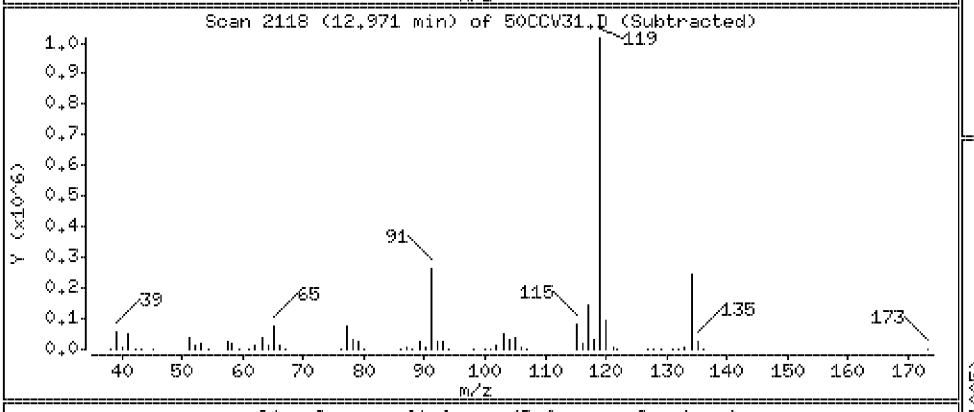
Column phase: DB-624

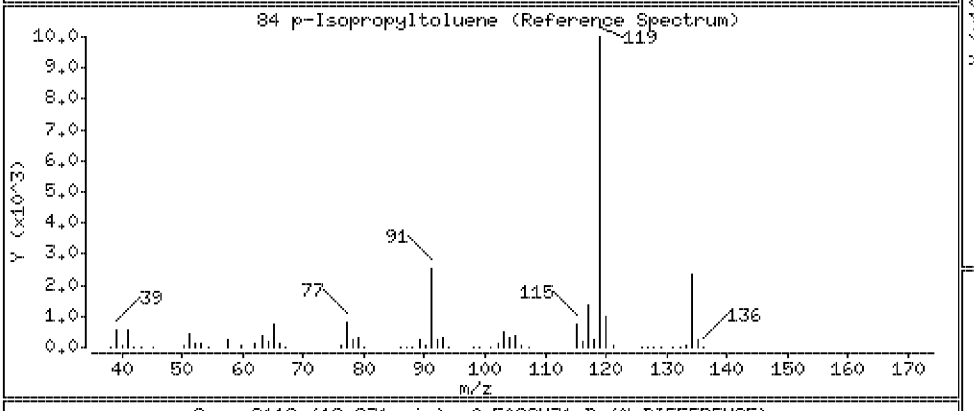
Column diameter: 0.18

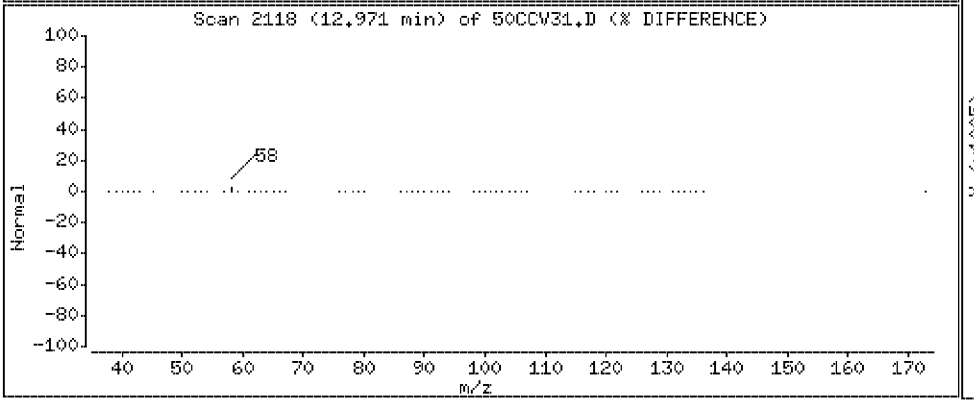
84 p-Isopropyltoluene

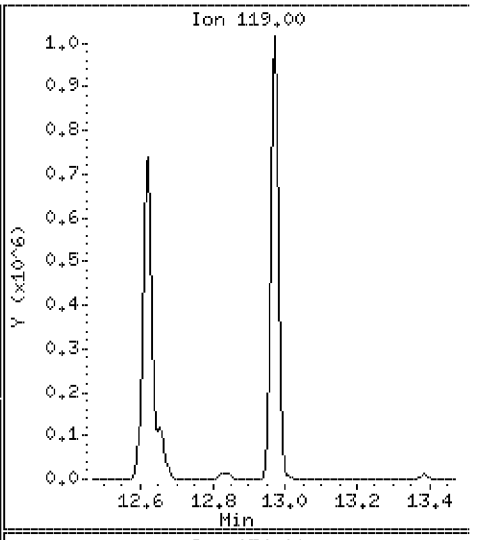
Concentration: 51.7 ug/l

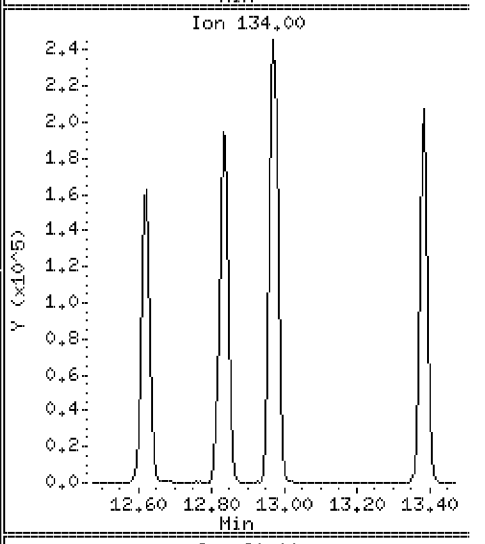


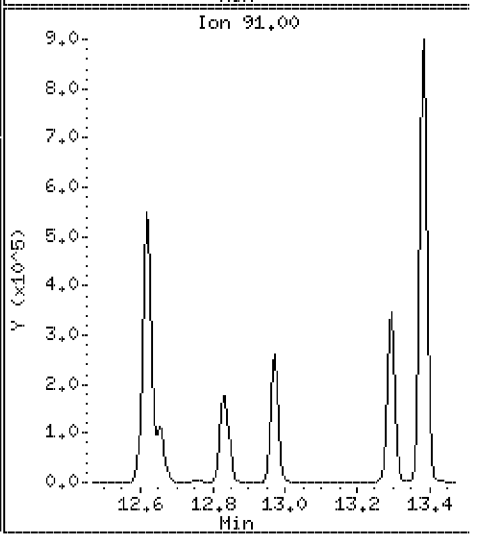












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

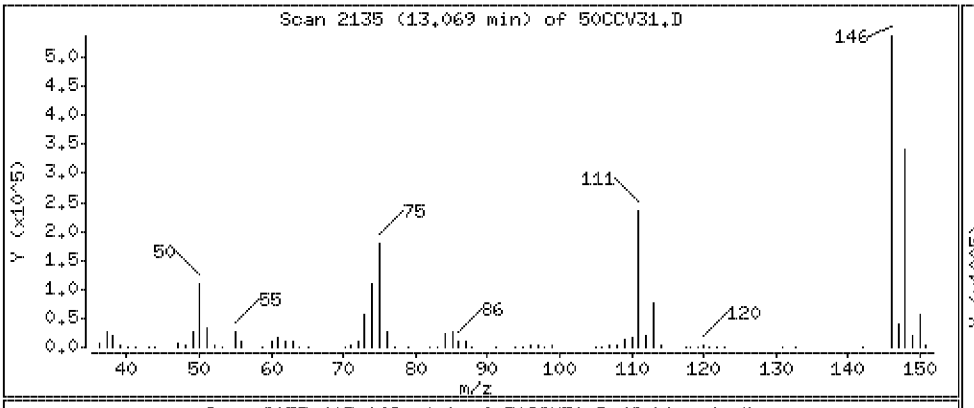
Client ID: 061507CCVA31 Instrument: vms03.i

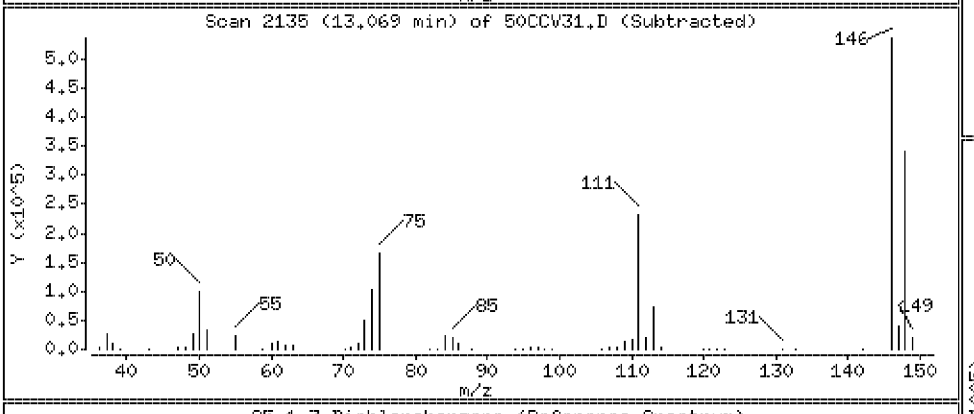
Sample Info: 061507CCVA31

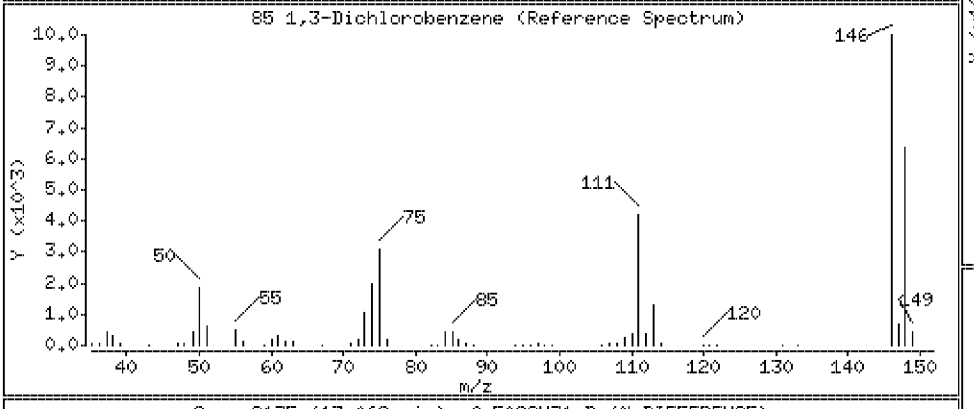
Purge Volume: 5.0 Operator:

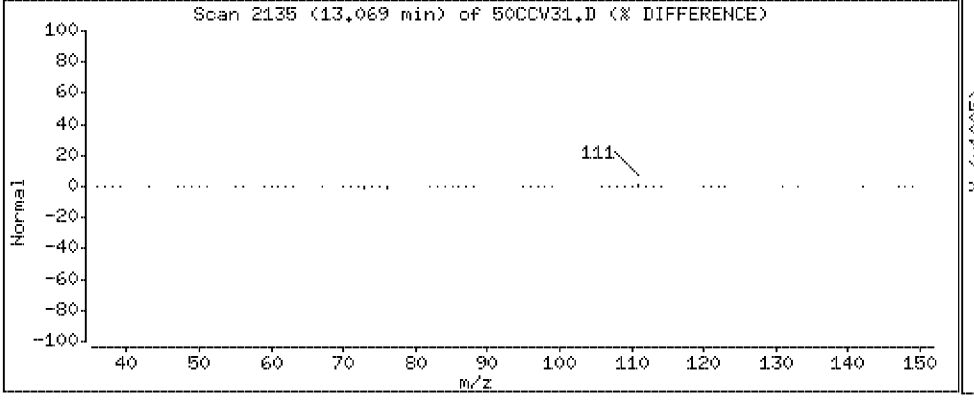
Column phase: DB-624 Column diameter: 0.18

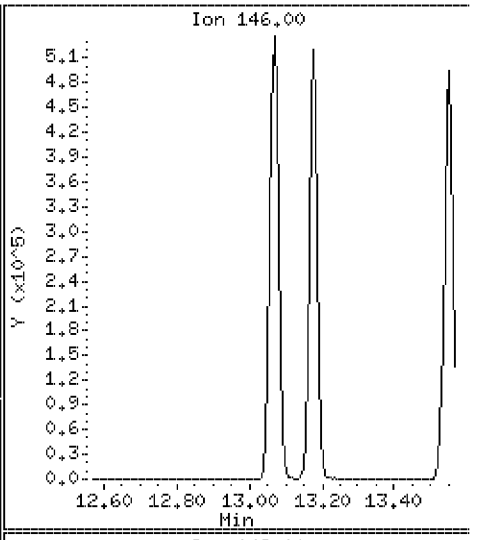
85 1,3-Dichlorobenzene Concentration: 50.3 ug/l

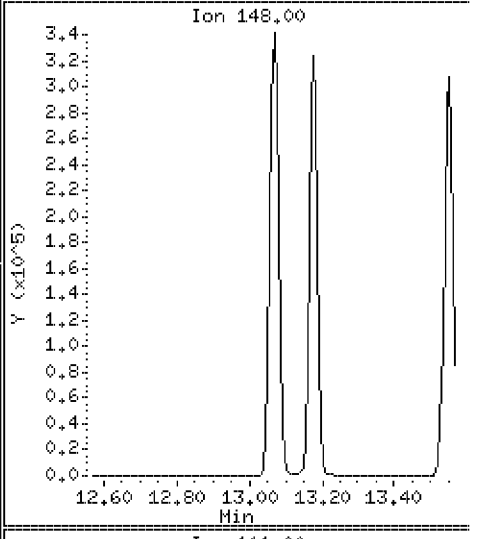


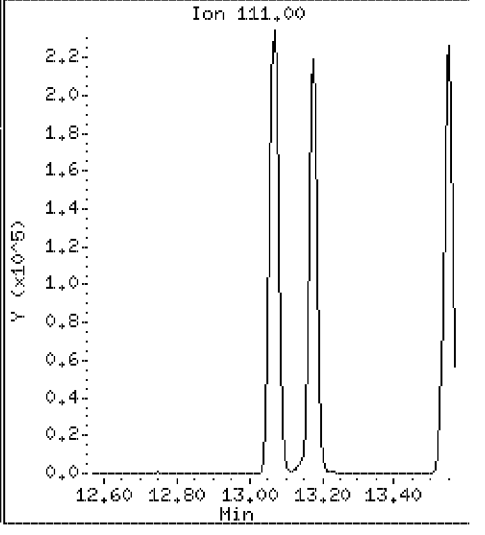












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

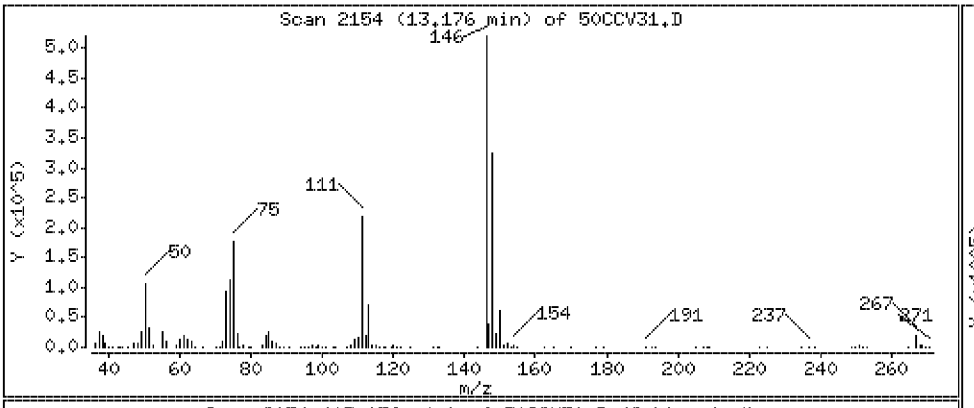
Client ID: 061507CCVA31 Instrument: vms03.i

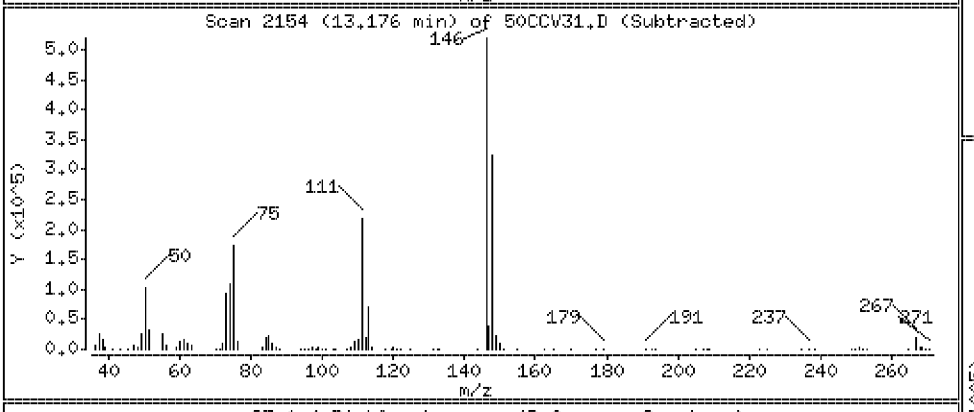
Sample Info: 061507CCVA31

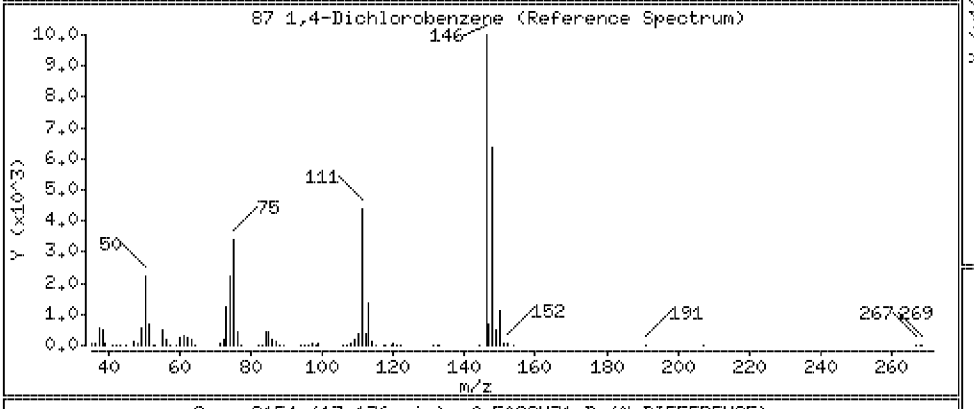
Purge Volume: 5.0 Operator:

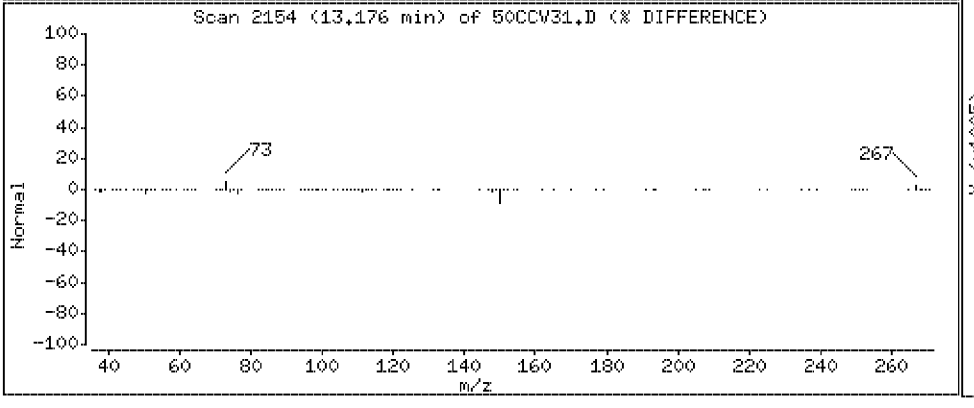
Column phase: DB-624 Column diameter: 0.18

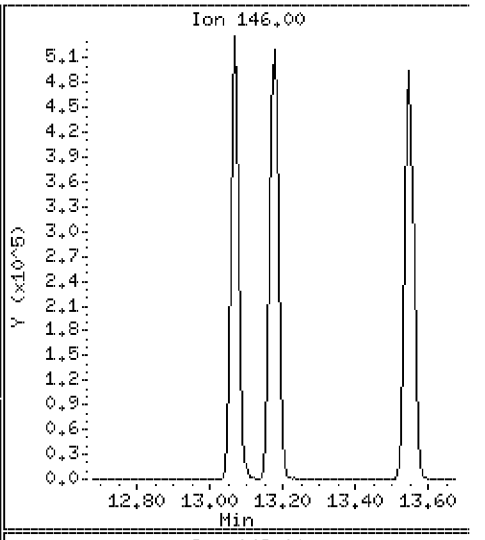
87 1,4-Dichlorobenzene Concentration: 49.6 ug/l

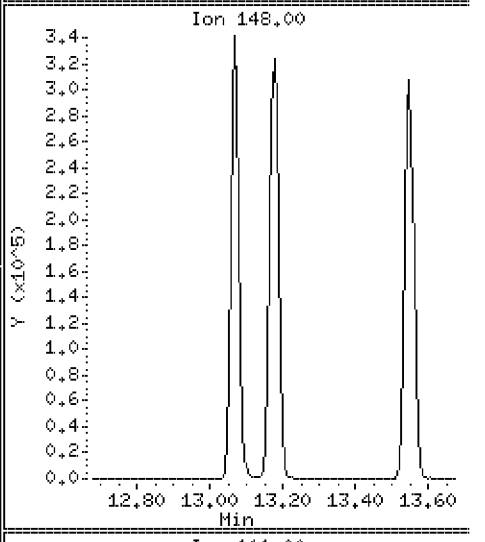


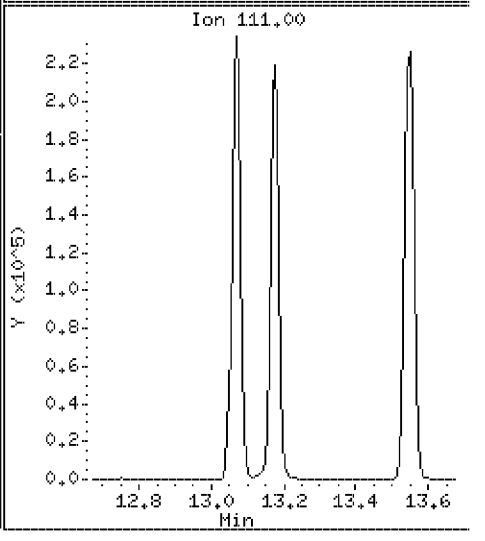












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

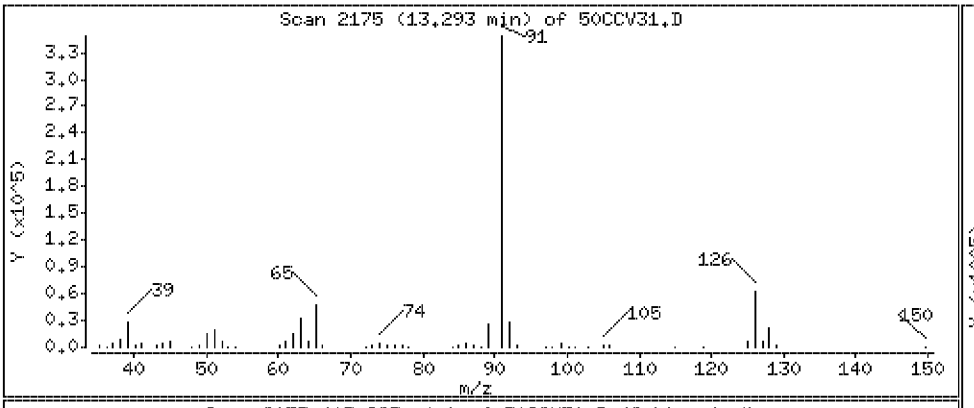
Client ID: 061507CCVA31 Instrument: vms03.i

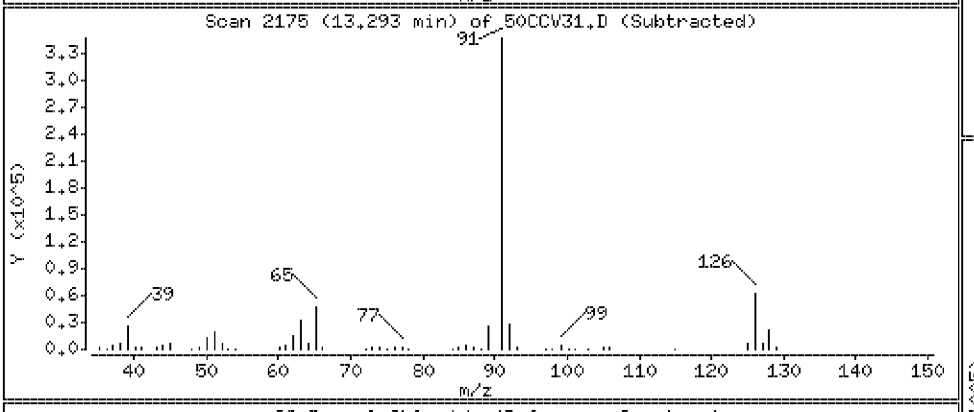
Sample Info: 061507CCVA31

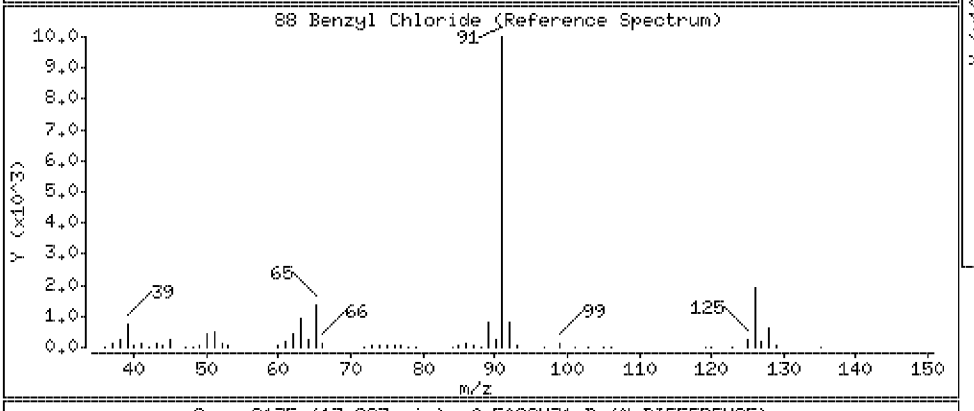
Purge Volume: 5.0 Operator:

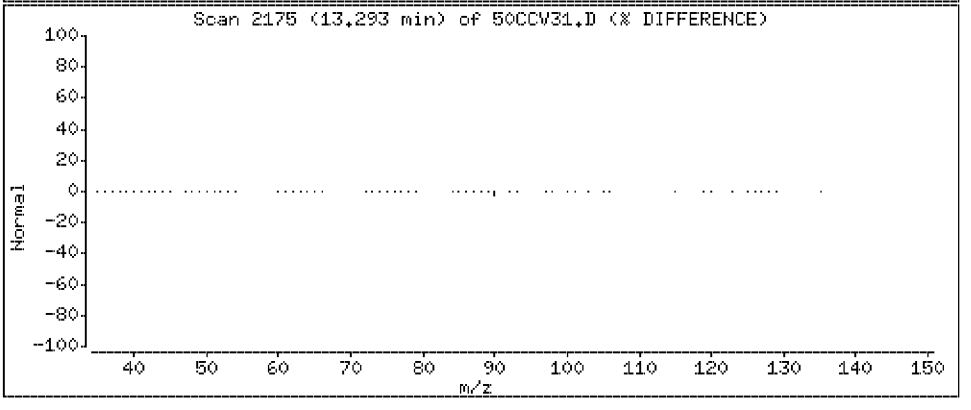
Column phase: DB-624 Column diameter: 0.18

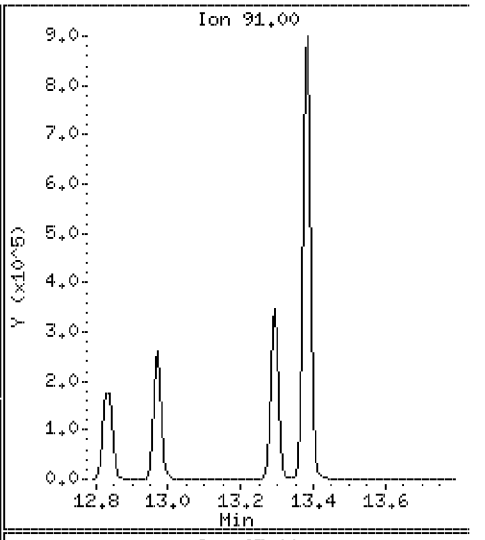
88 Benzyl Chloride Concentration: 52.4 ug/l

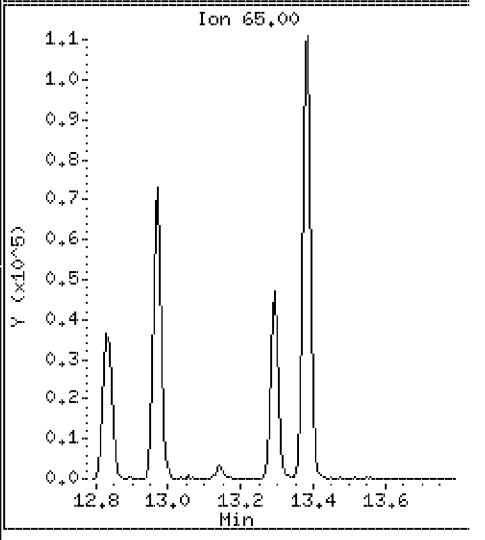












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

Client ID: 061507CCVA31

Instrument: vms03.i

Sample Info: 061507CCVA31

Purge Volume: 5.0

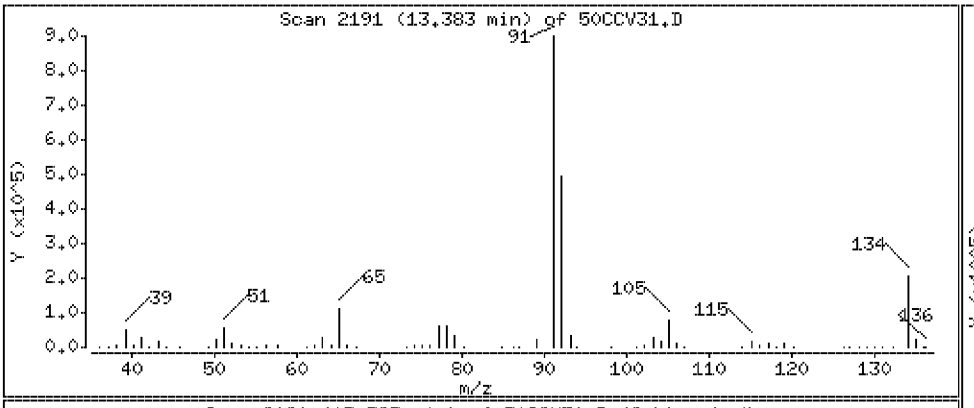
Operator:

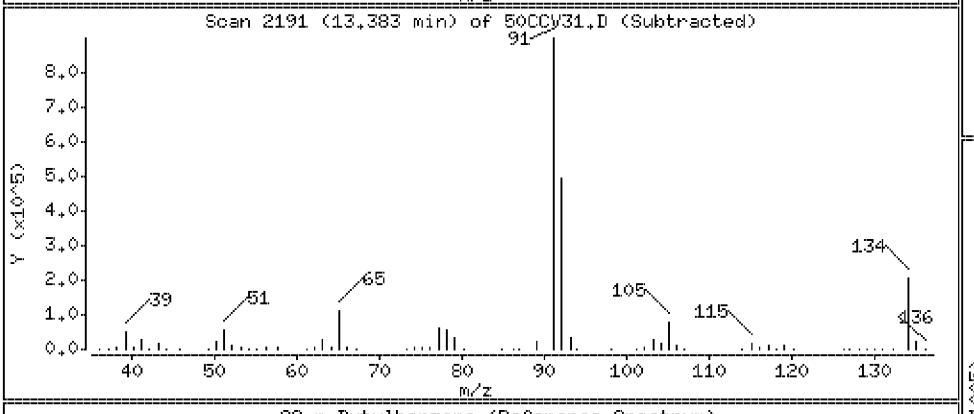
Column phase: DB-624

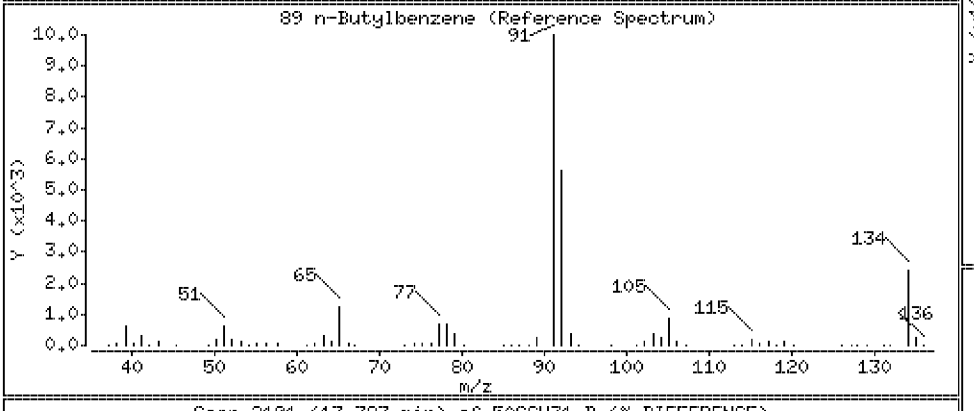
Column diameter: 0.18

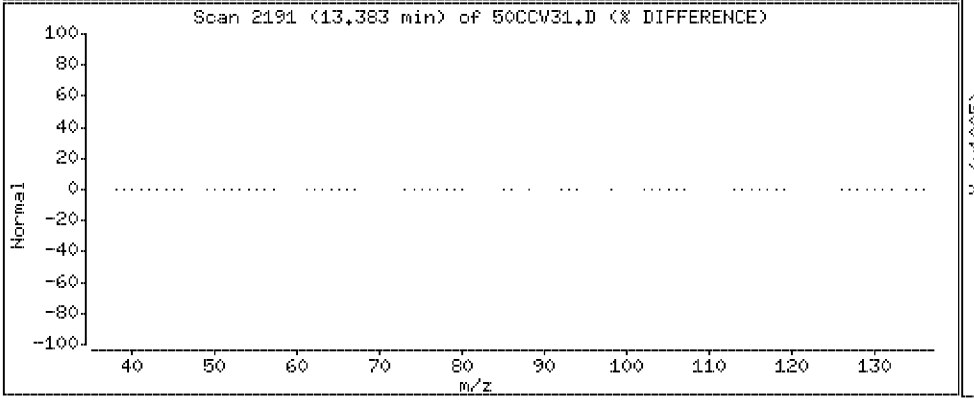
89 n-Butylbenzene

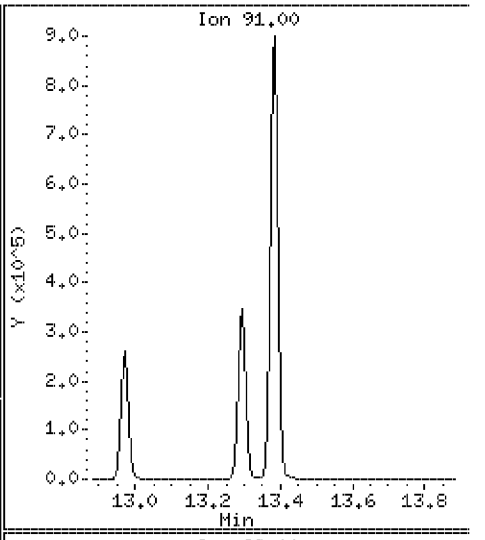
Concentration: 53.8 ug/l

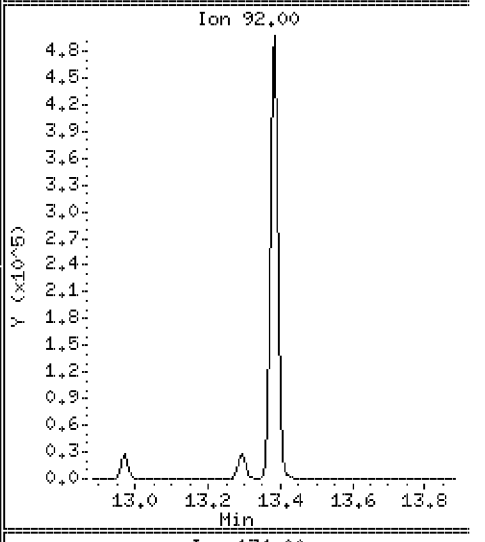


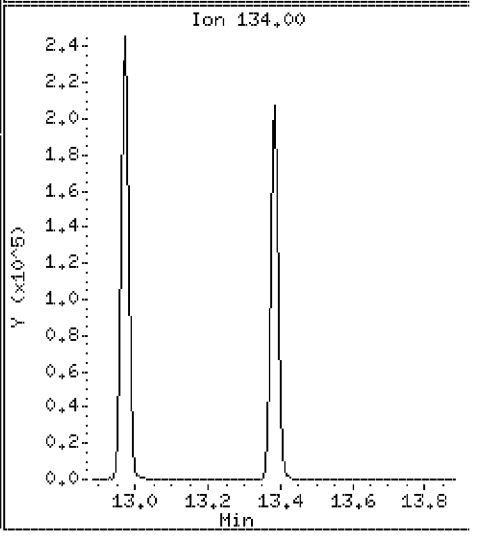












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

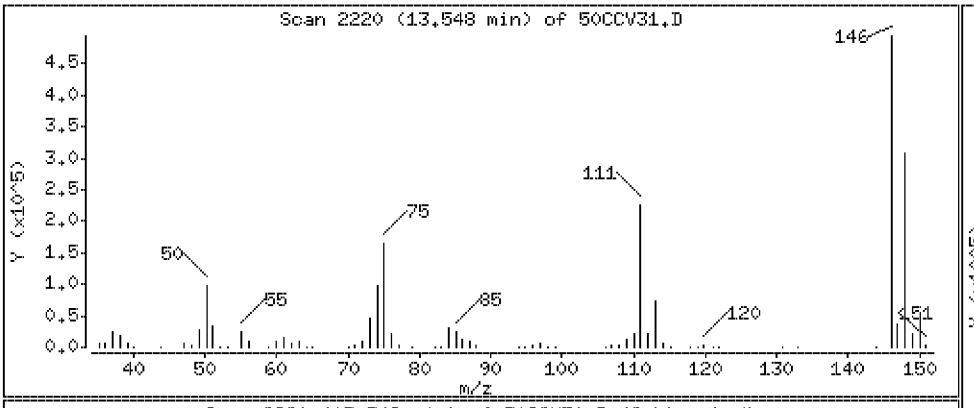
Client ID: 061507CCVA31 Instrument: vms03.i

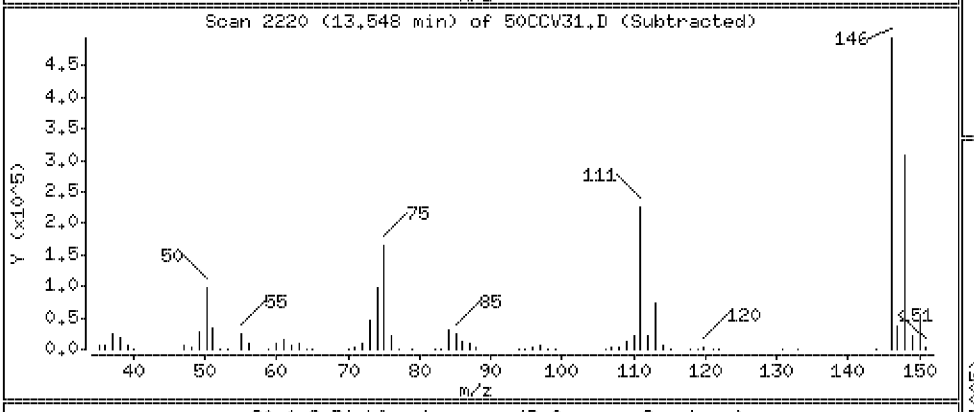
Sample Info: 061507CCVA31

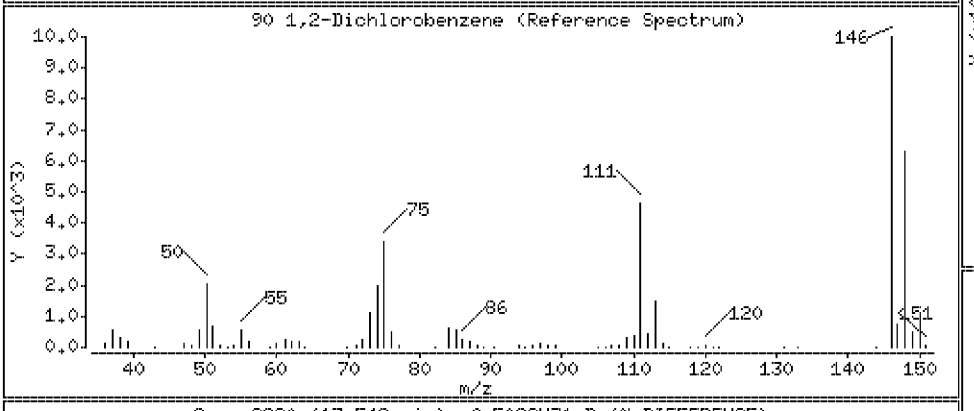
Purge Volume: 5.0 Operator:

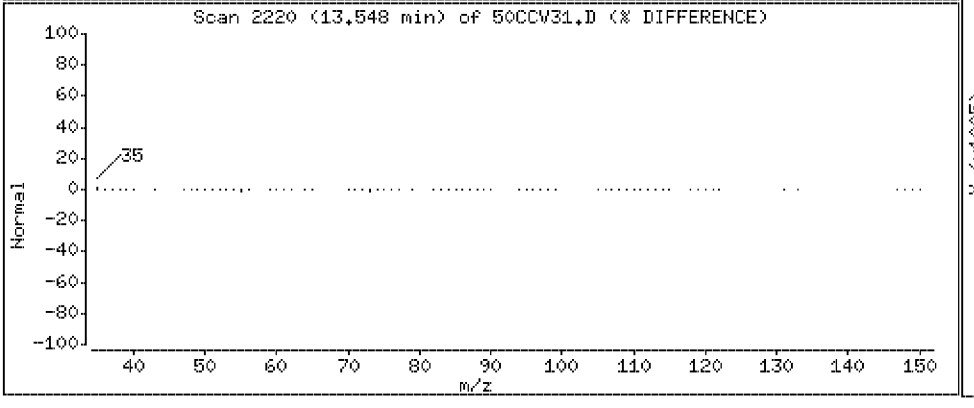
Column phase: DB-624 Column diameter: 0.18

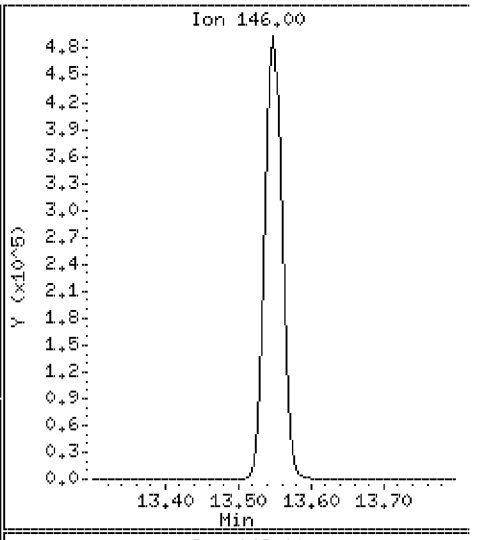
90 1,2-Dichlorobenzene Concentration: 51.5 ug/l

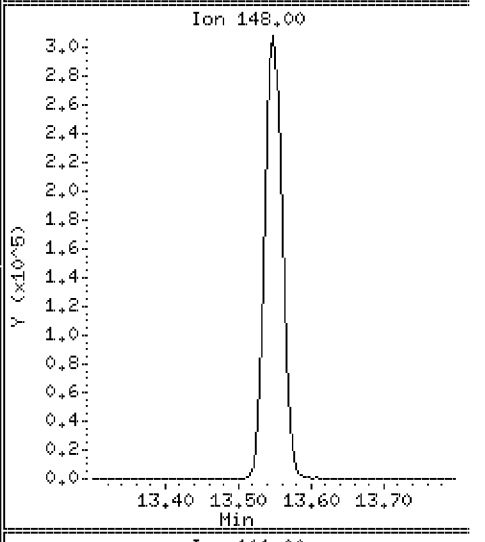


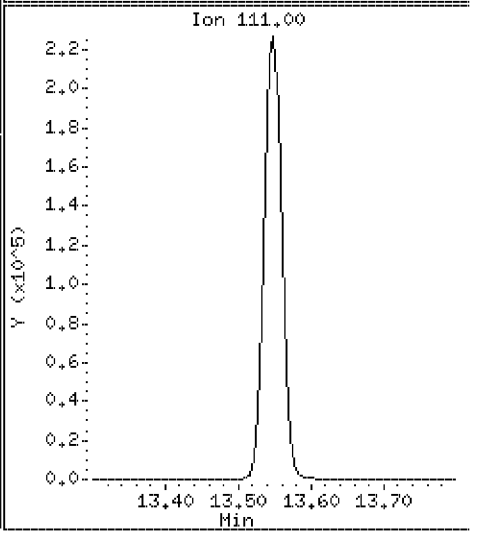












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

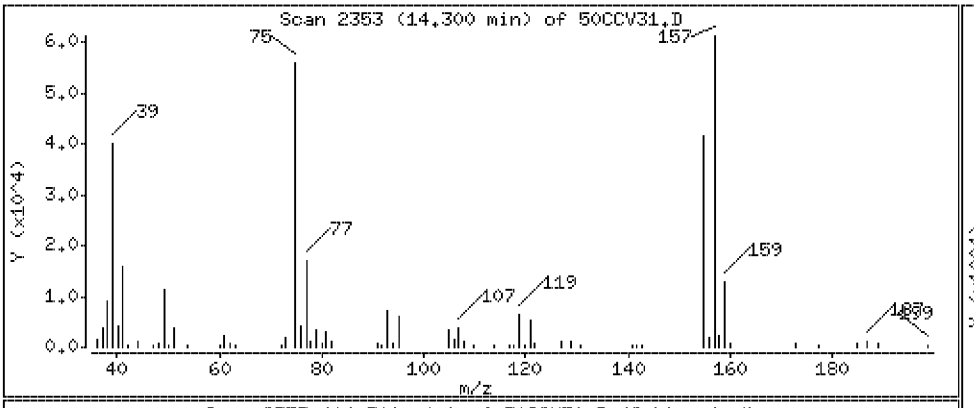
Client ID: 061507CCVA31 Instrument: vms03.i

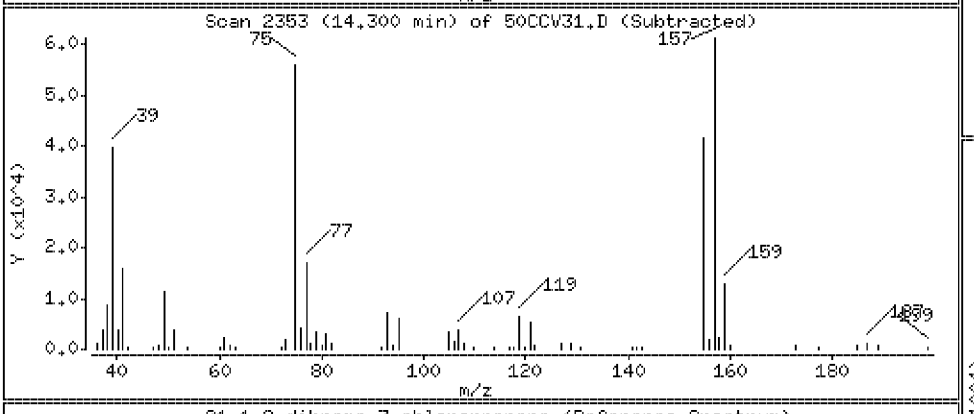
Sample Info: 061507CCVA31

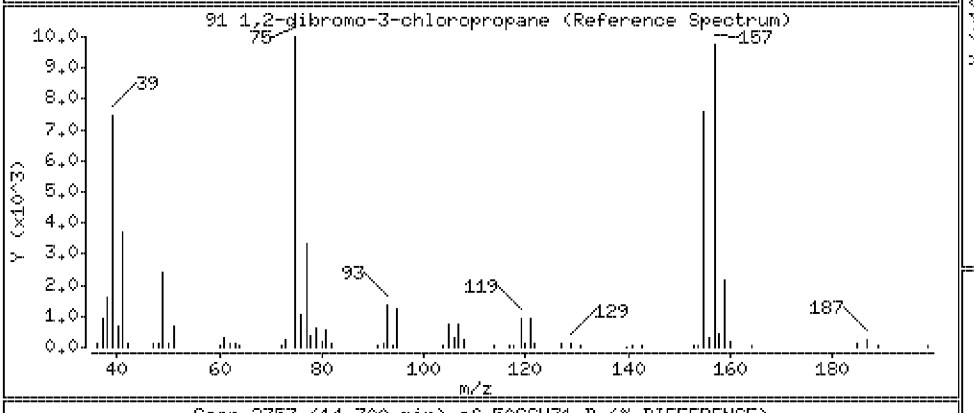
Purge Volume: 5.0 Operator:

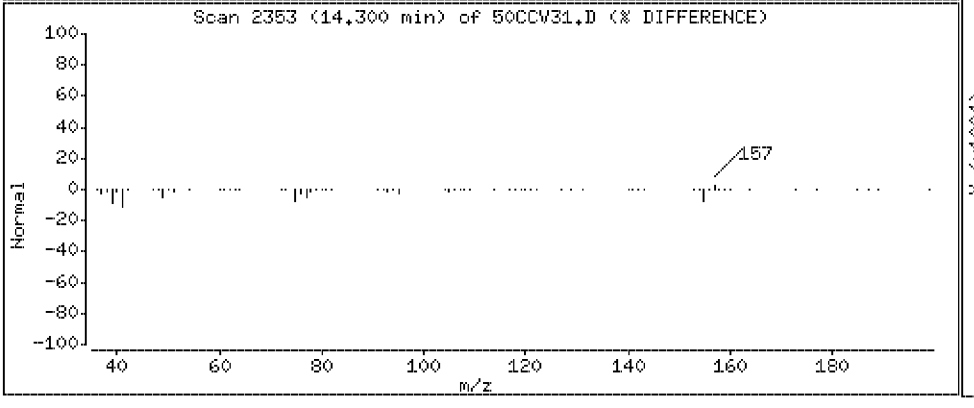
Column phase: DB-624 Column diameter: 0.18

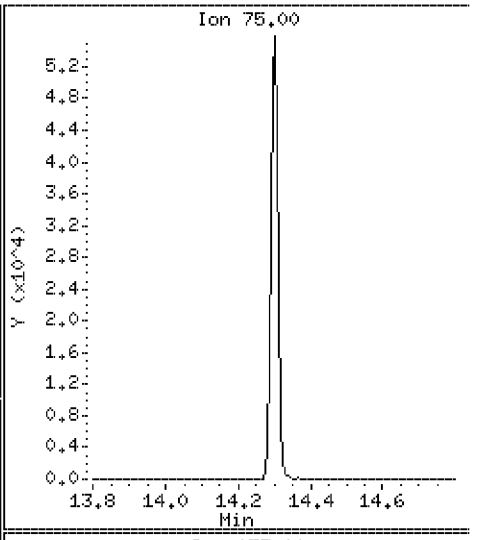
91 1,2-dibromo-3-chloropropane Concentration: 54.4 ug/l

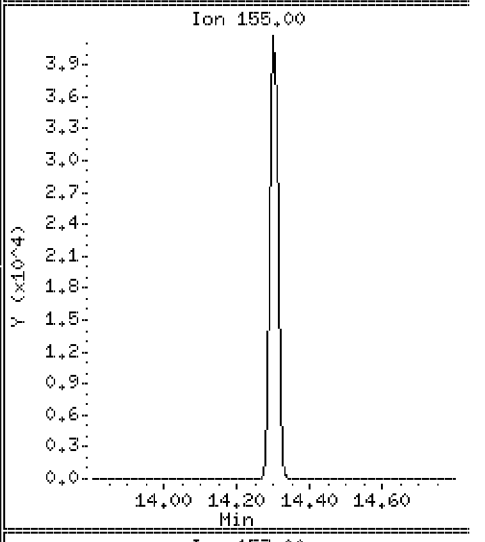


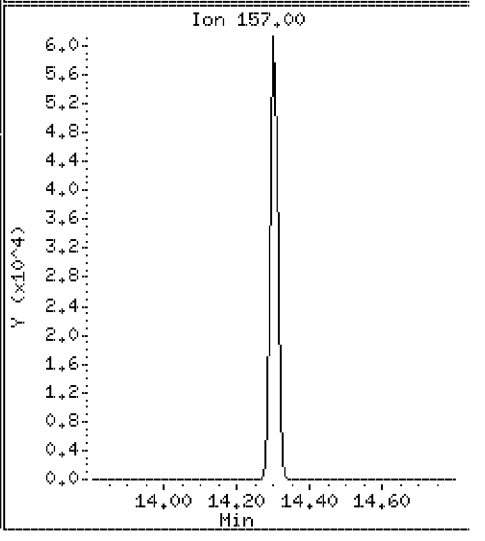












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

Client ID: 061507CCVA31

Instrument: vms03.i

Sample Info: 061507CCVA31

Purge Volume: 5.0

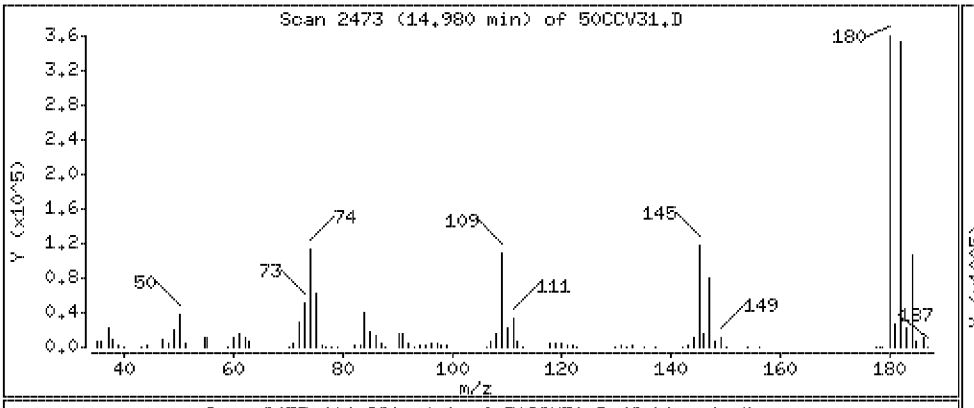
Operator:

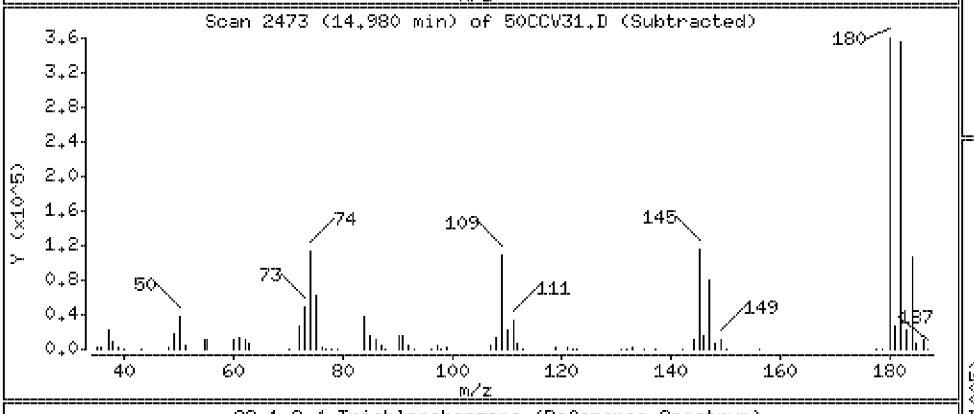
Column phase: DB-624

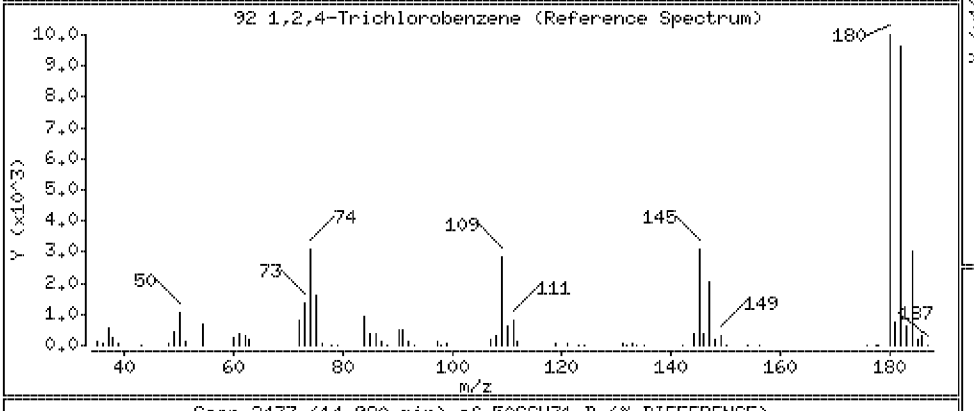
Column diameter: 0.18

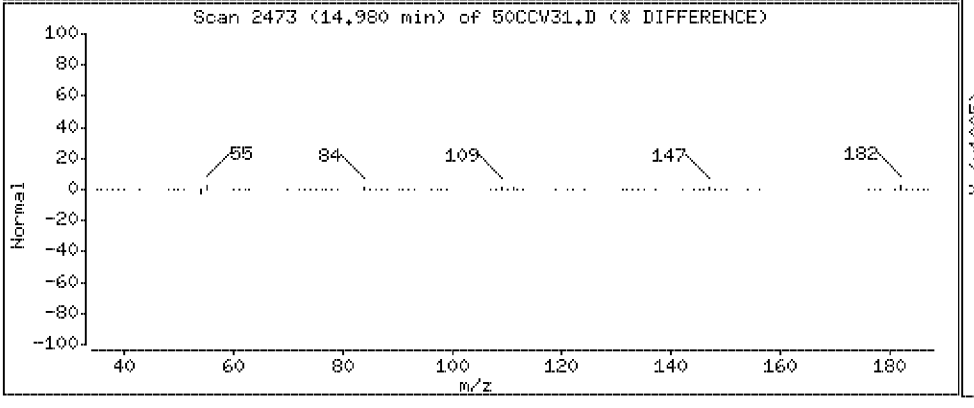
92 1,2,4-Trichlorobenzene

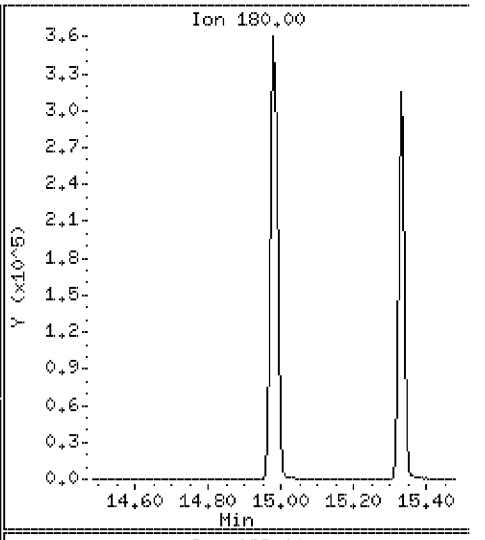
Concentration: 50.3 ug/l

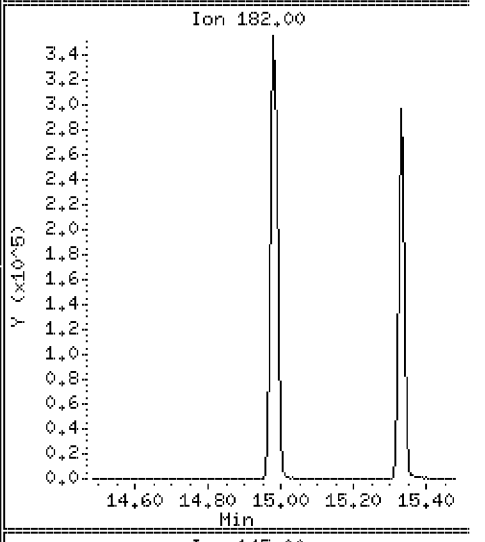


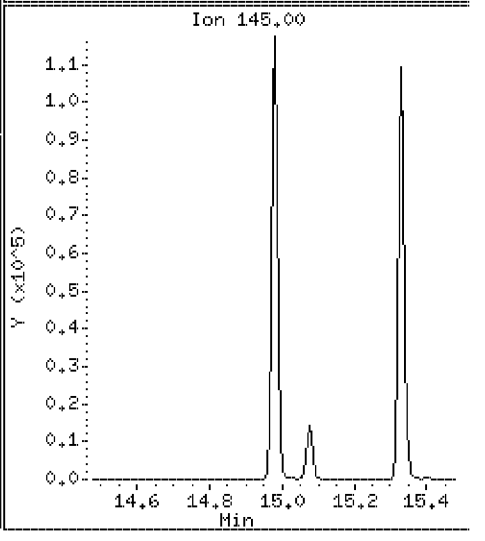












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

Client ID: 061507CCVA31

Instrument: vms03.i

Sample Info: 061507CCVA31

Purge Volume: 5.0

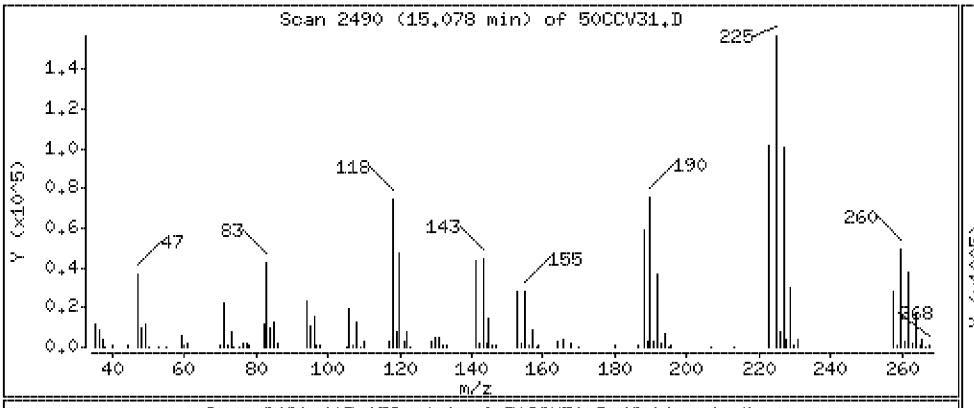
Operator:

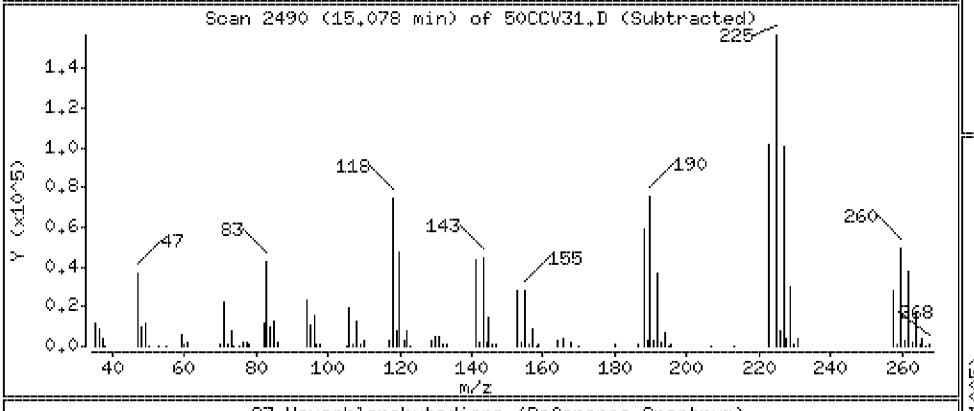
Column phase: DB-624

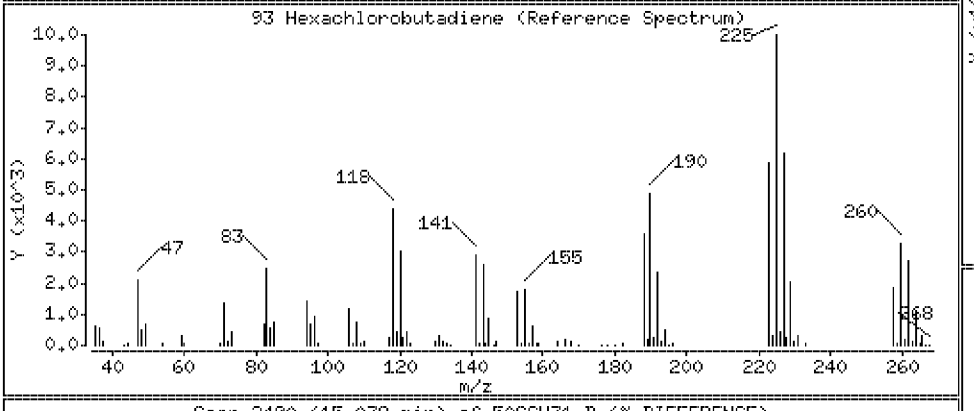
Column diameter: 0.18

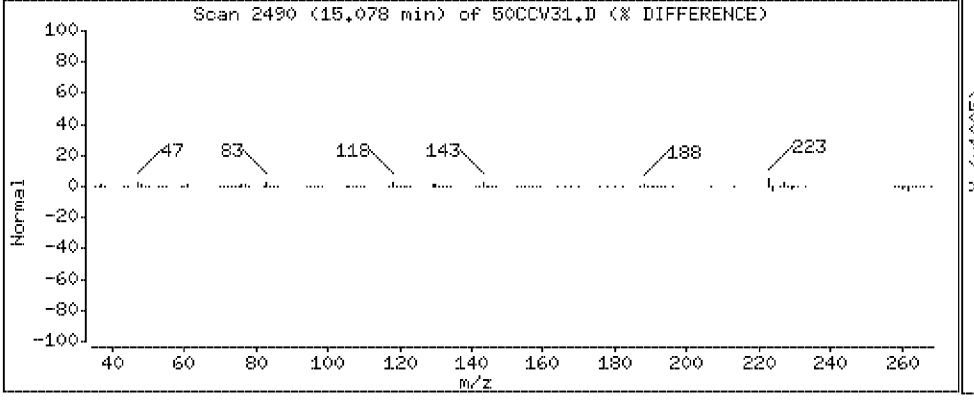
93 Hexachlorobutadiene

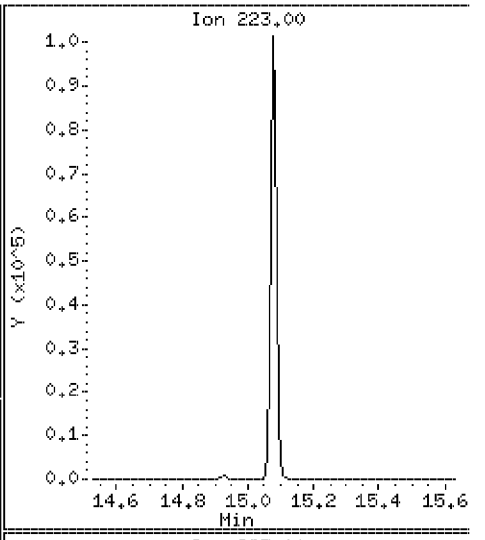
Concentration: 52.8 ug/l

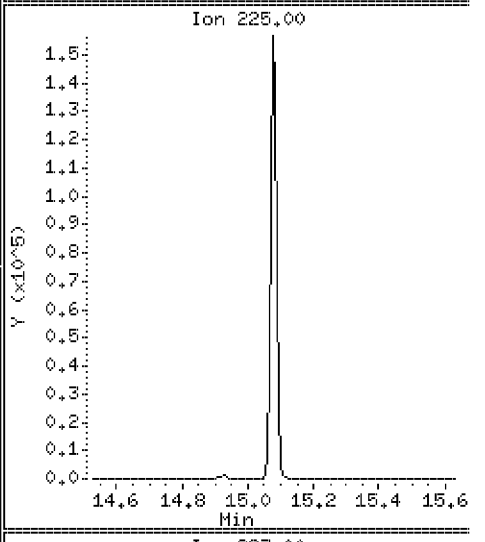


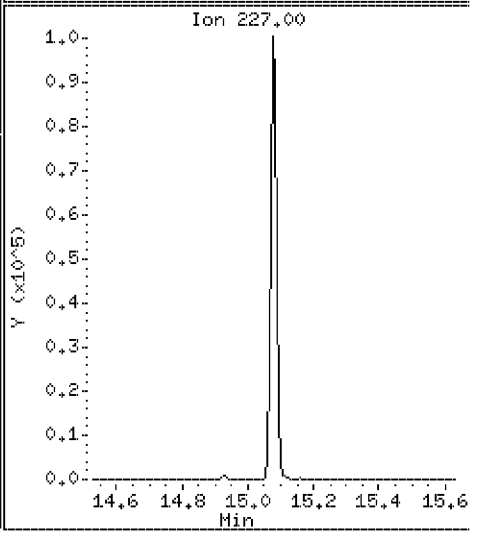












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

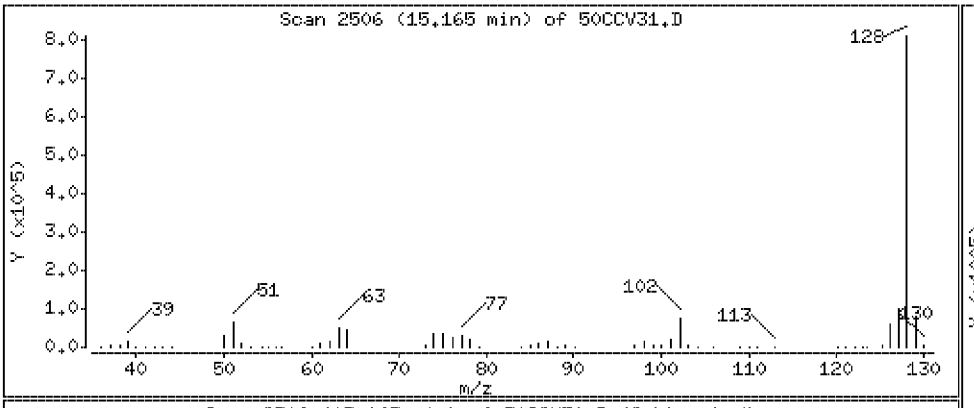
Client ID: 061507CCVA31 Instrument: vms03.i

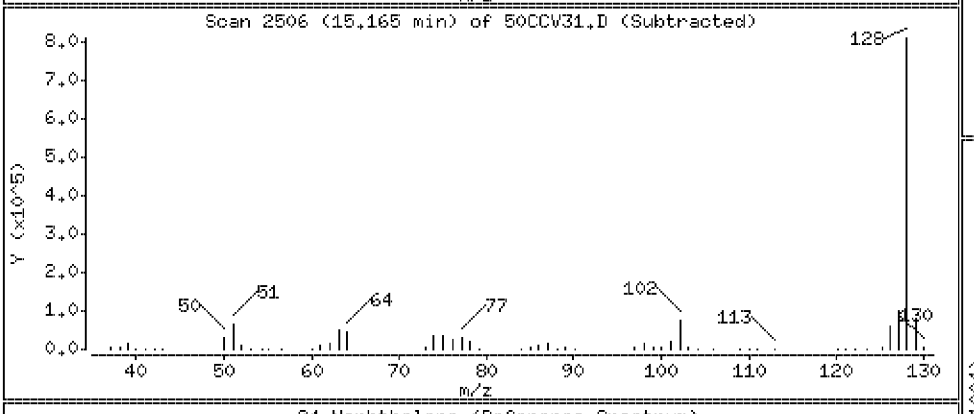
Sample Info: 061507CCVA31

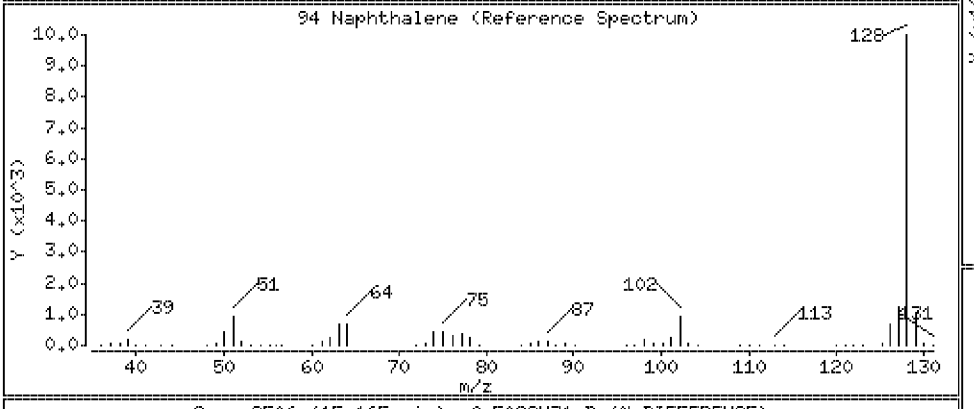
Purge Volume: 5.0 Operator:

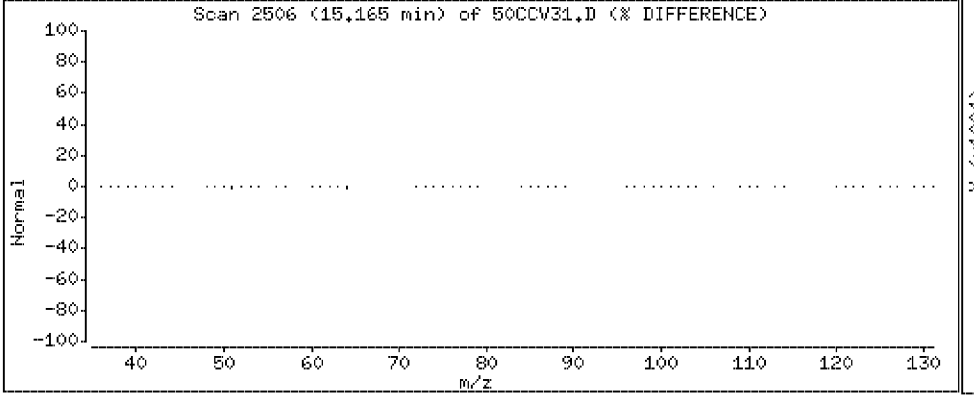
Column phase: DB-624 Column diameter: 0.18

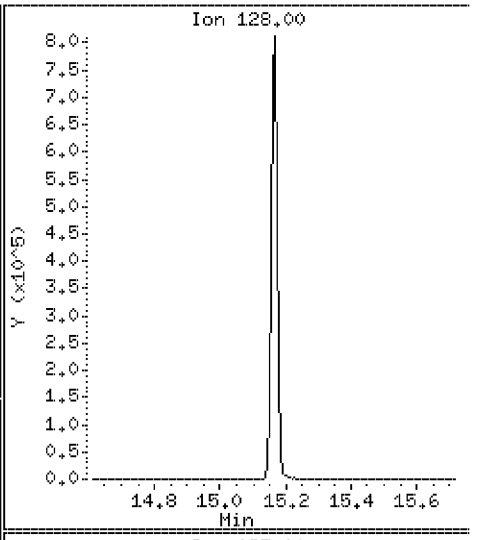
94 Naphthalene Concentration: 50.0 ug/l

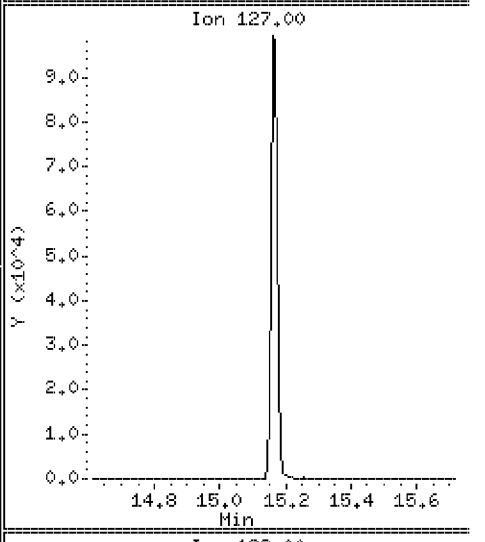


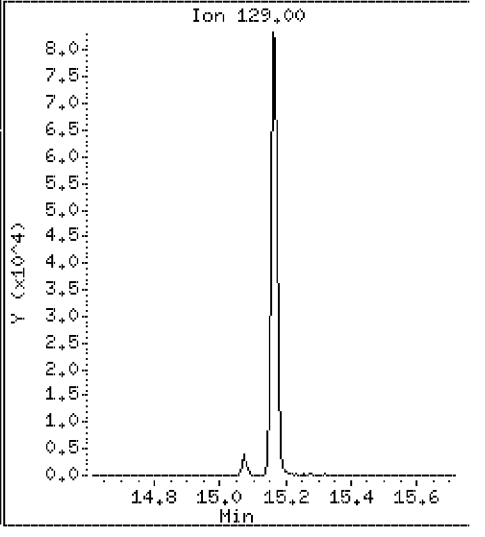












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

Client ID: 061507CCVA31

Instrument: vms03.i

Sample Info: 061507CCVA31

Purge Volume: 5.0

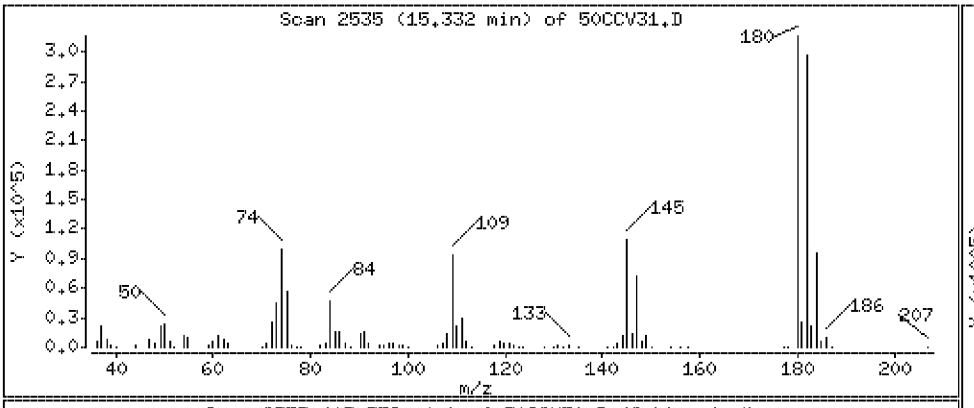
Operator:

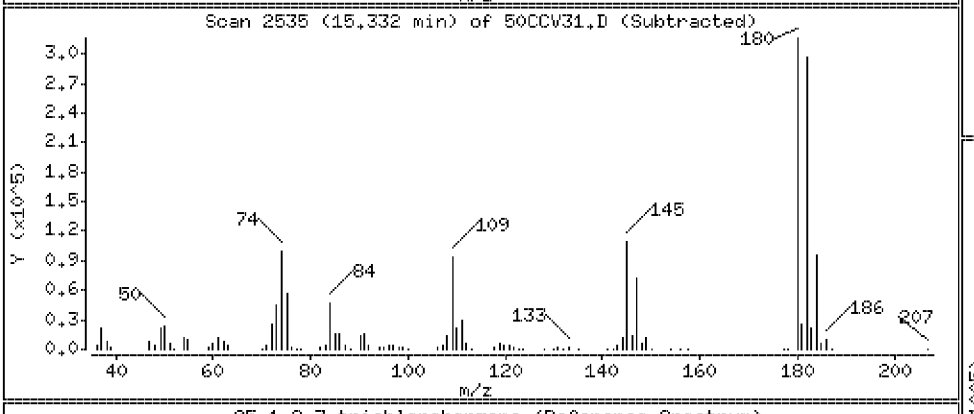
Column phase: DB-624

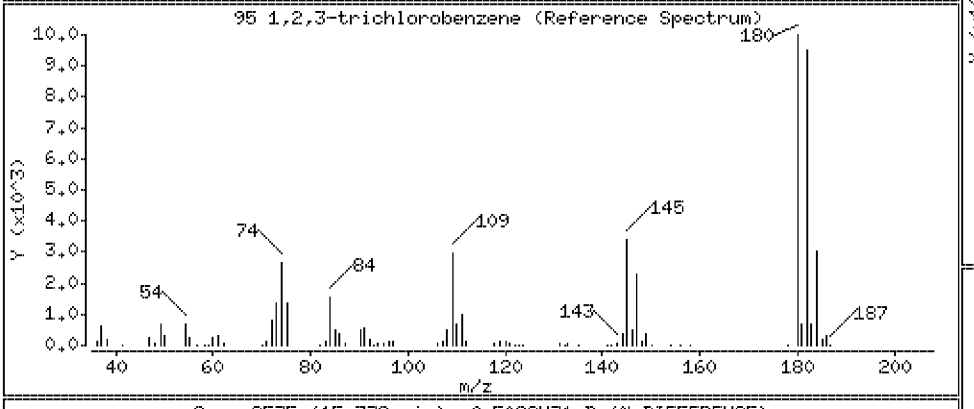
Column diameter: 0.18

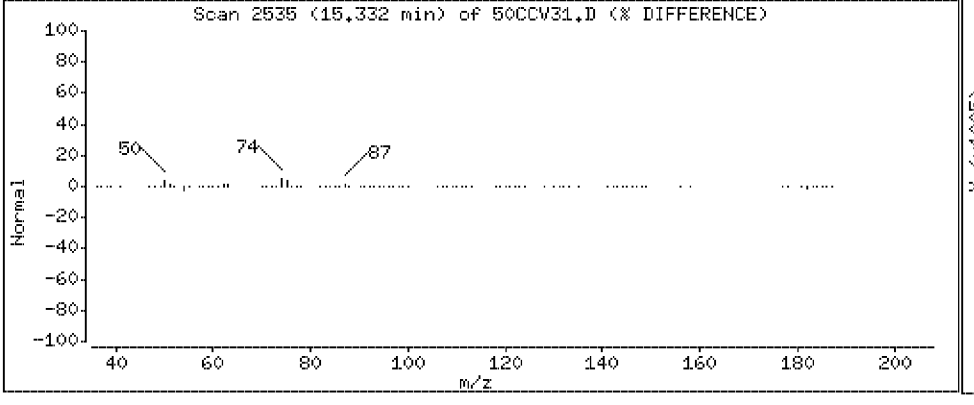
95 1,2,3-trichlorobenzene

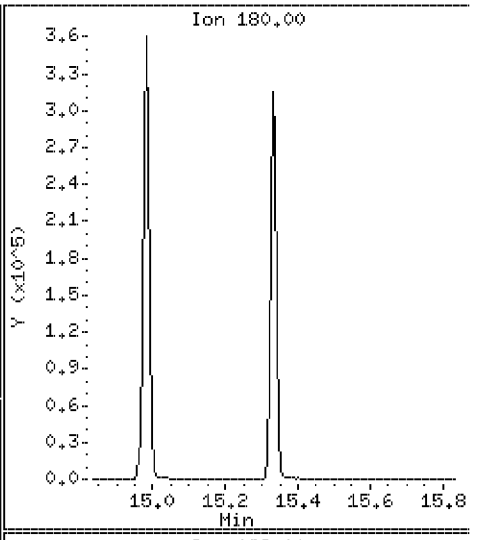
Concentration: 51.2 ug/l

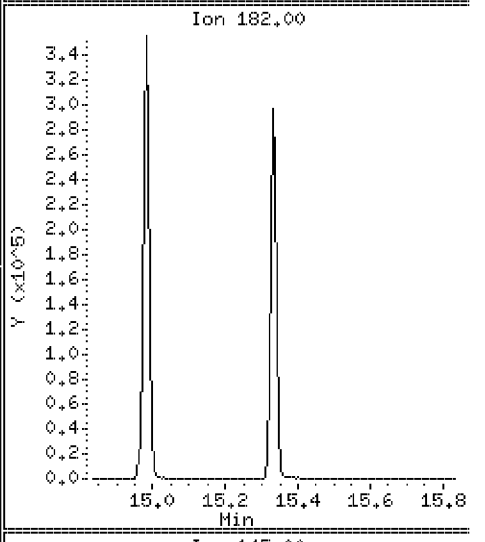


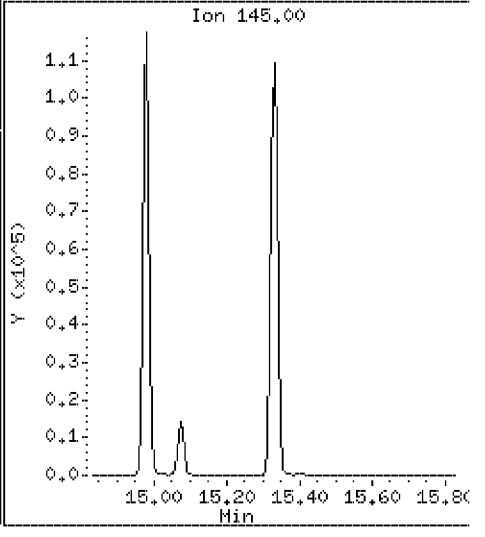












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

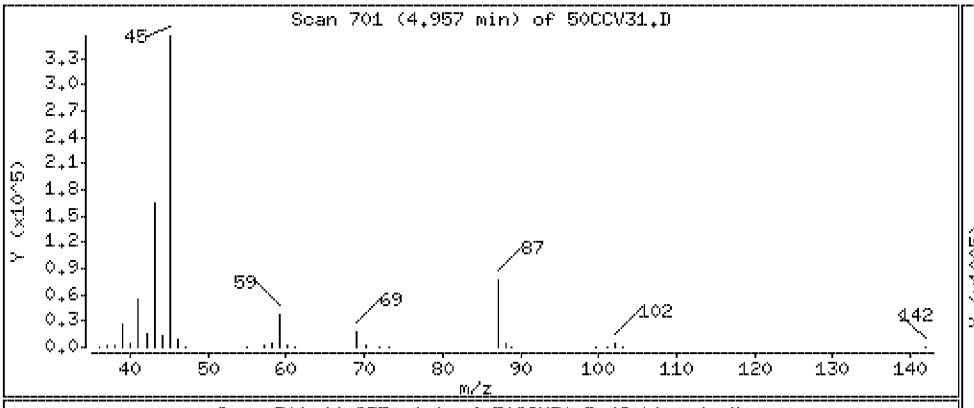
Client ID: 061507CCVA31 Instrument: vms03.i

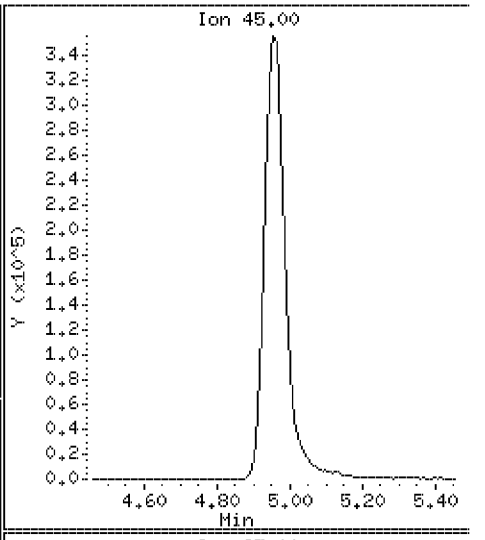
Sample Info: 061507CCVA31

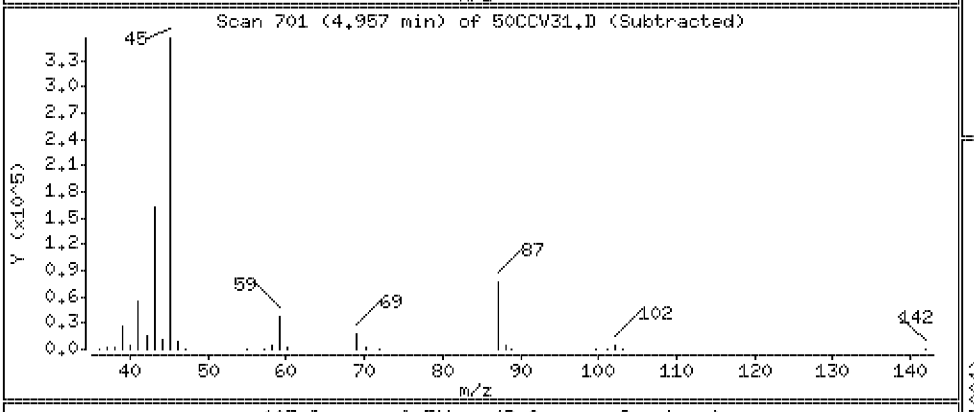
Purge Volume: 5.0 Operator:

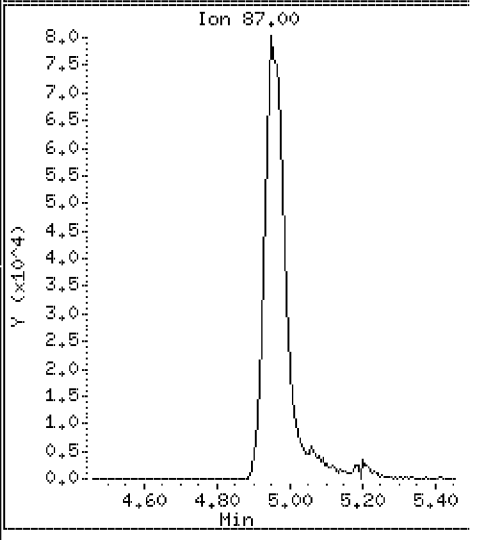
Column phase: DB-624 Column diameter: 0.18

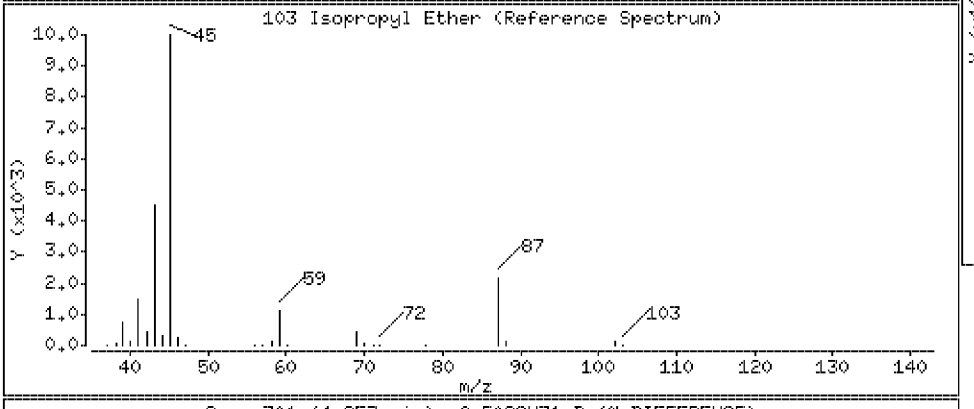
103 Isopropyl Ether Concentration: 50.8 ug/l

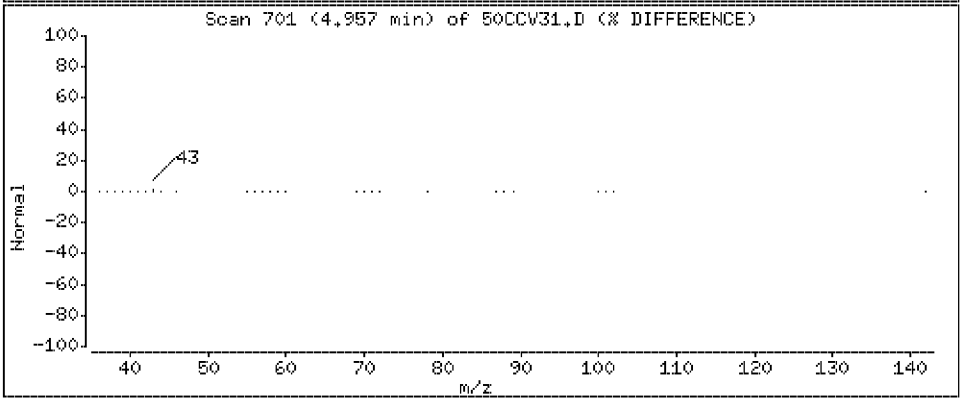












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

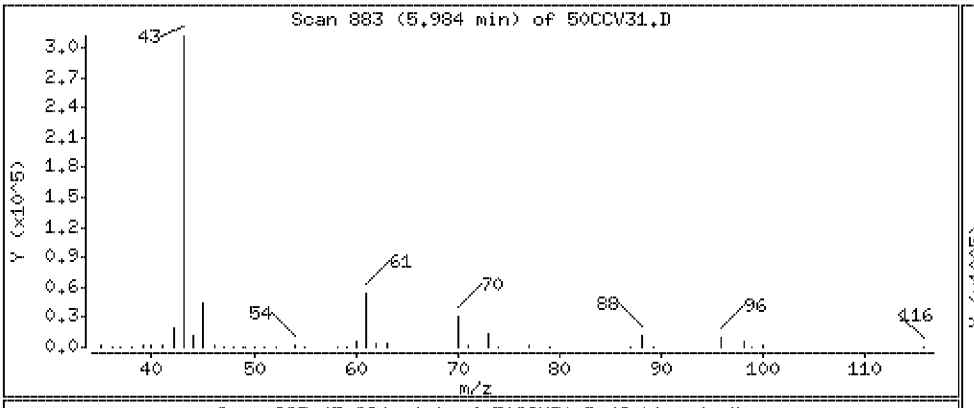
Client ID: 061507CCVA31 Instrument: vms03.i

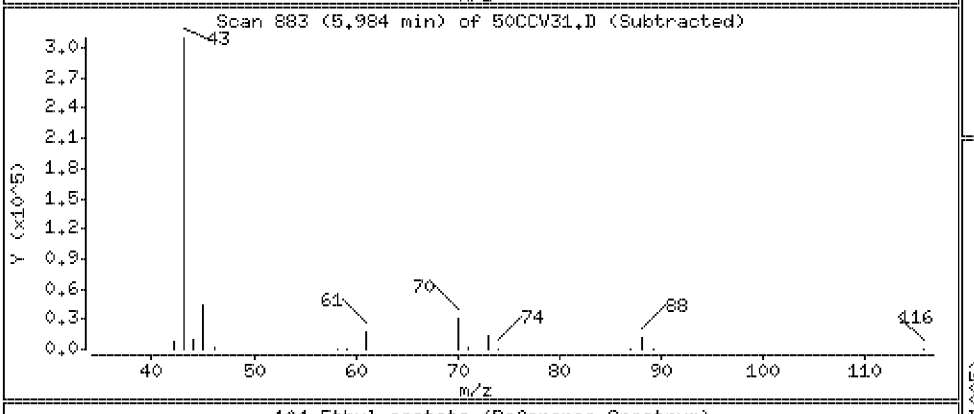
Sample Info: 061507CCVA31

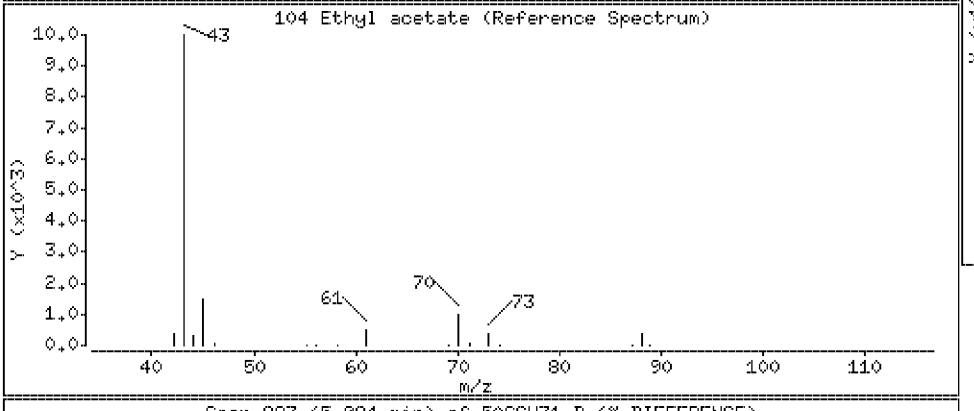
Purge Volume: 5.0 Operator:

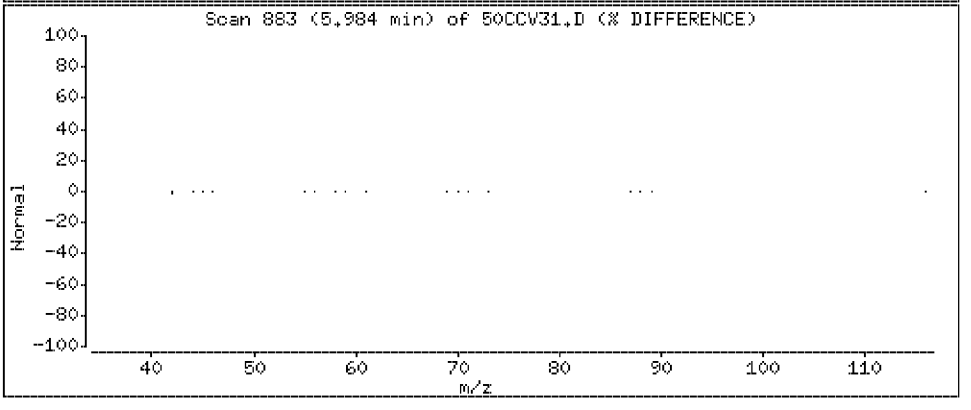
Column phase: DB-624 Column diameter: 0.18

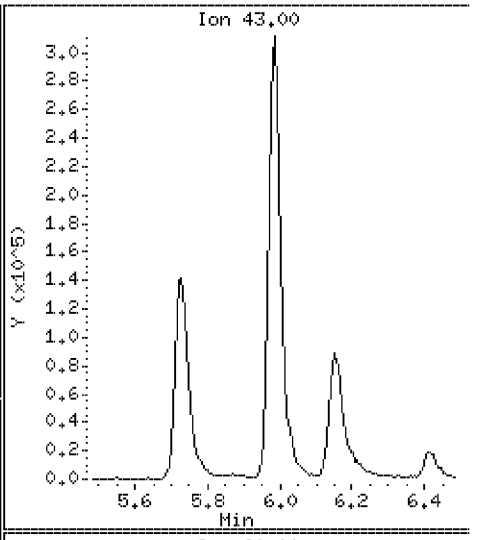
104 Ethyl acetate Concentration: 102 ug/l

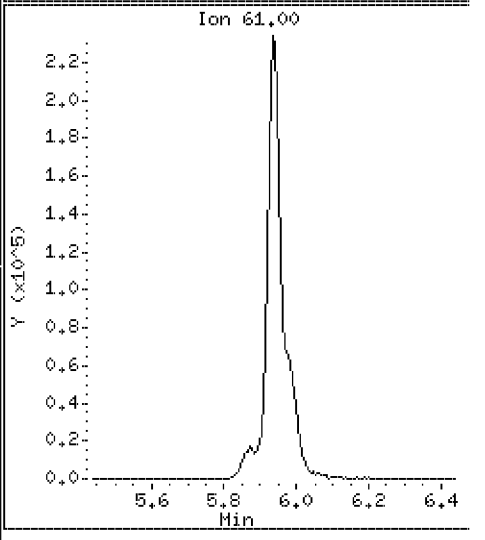












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

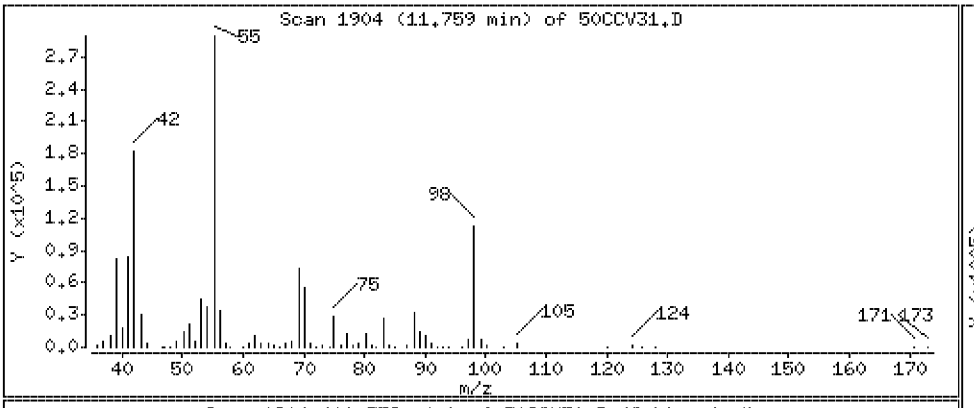
Client ID: 061507CCVA31 Instrument: vms03.i

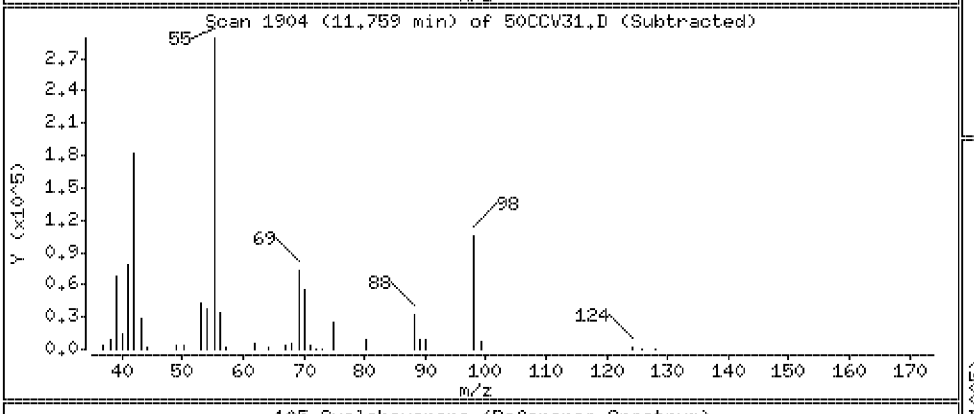
Sample Info: 061507CCVA31

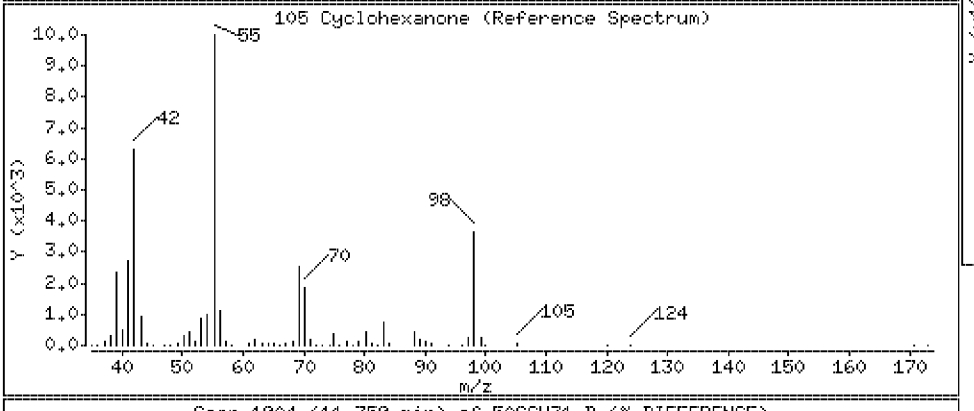
Purge Volume: 5.0 Operator:

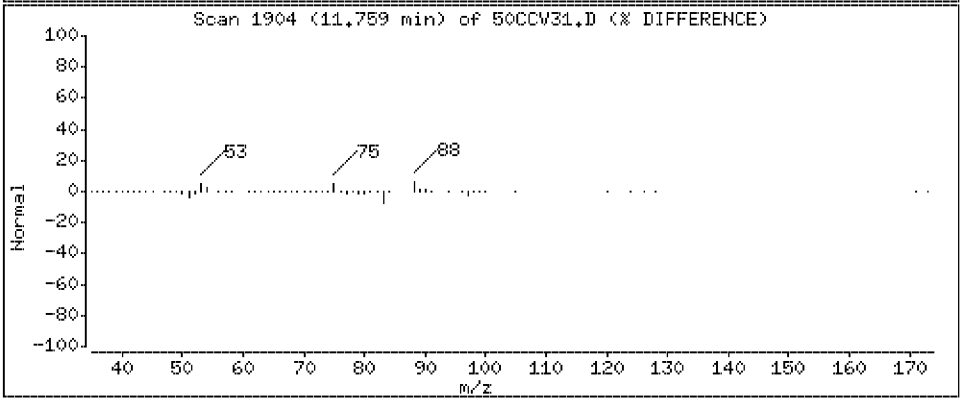
Column phase: DB-624 Column diameter: 0.18

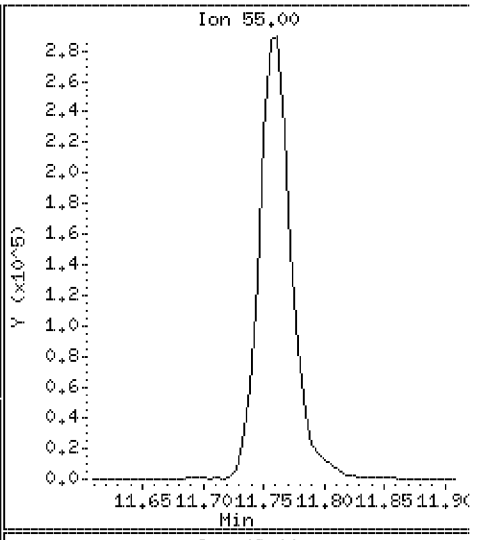
105 Cyclohexanone Concentration: 530 ug/l

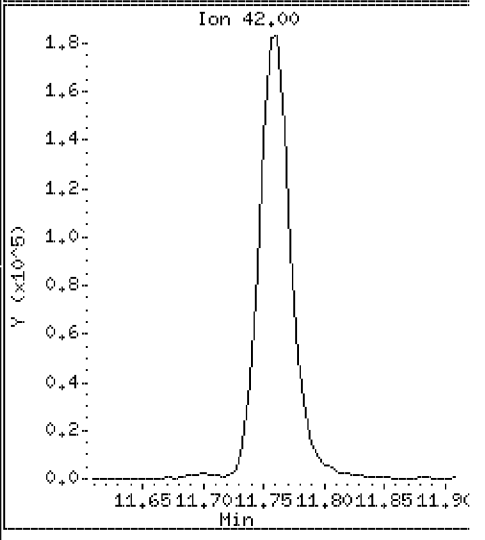












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

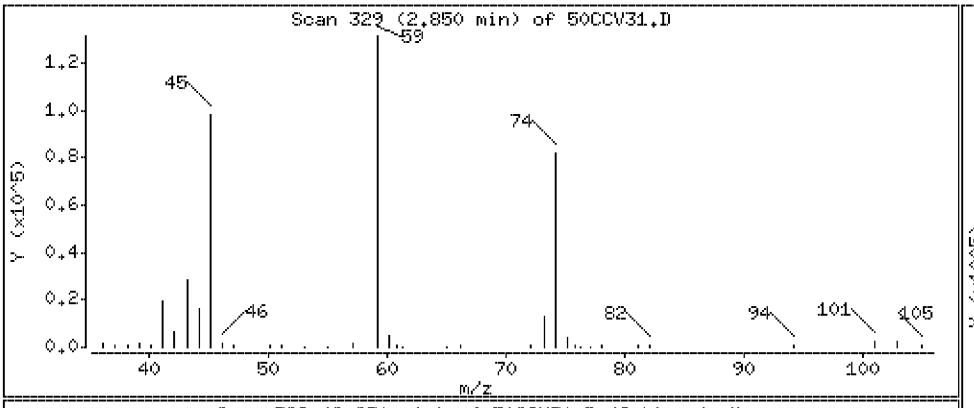
Client ID: 061507CCVA31 Instrument: vms03.i

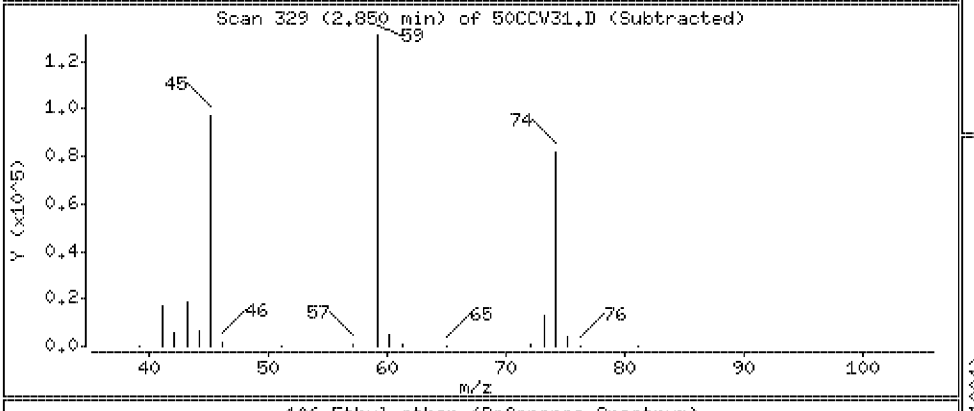
Sample Info: 061507CCVA31

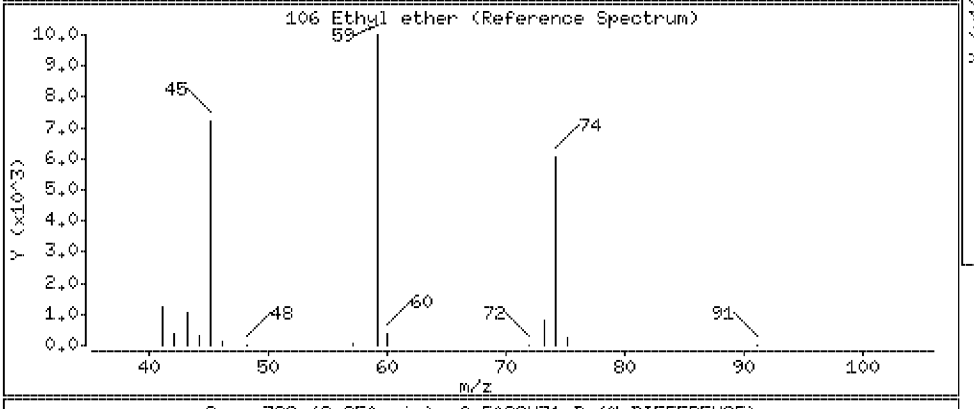
Purge Volume: 5.0 Operator:

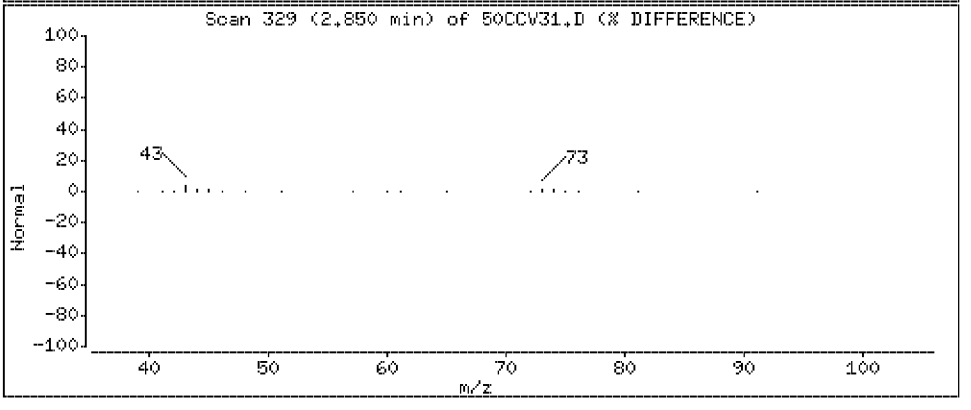
Column phase: DB-624 Column diameter: 0.18

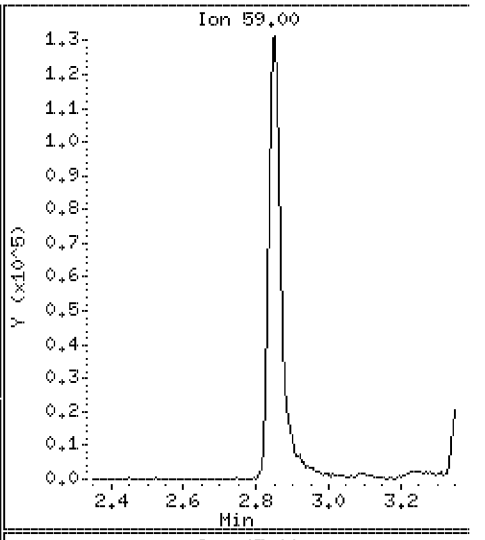
106 Ethyl ether Concentration: 51.3 ug/l

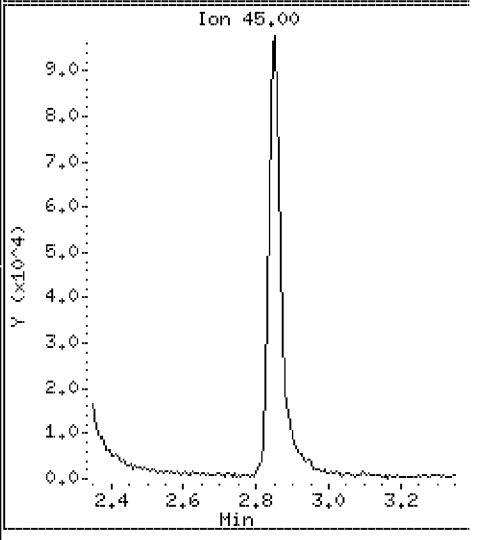












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Date : 15-JUN-2007 10:18

Client ID: 061507CCVA31

Instrument: vms03.i

Sample Info: 061507CCVA31

Purge Volume: 5.0

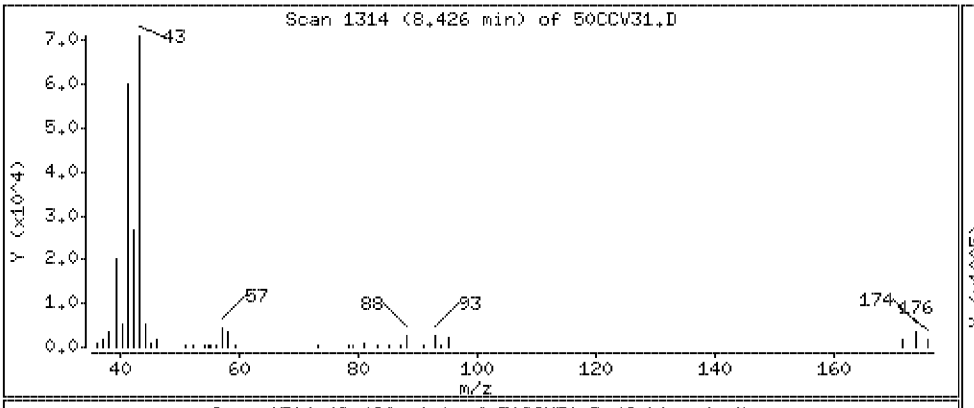
Operator:

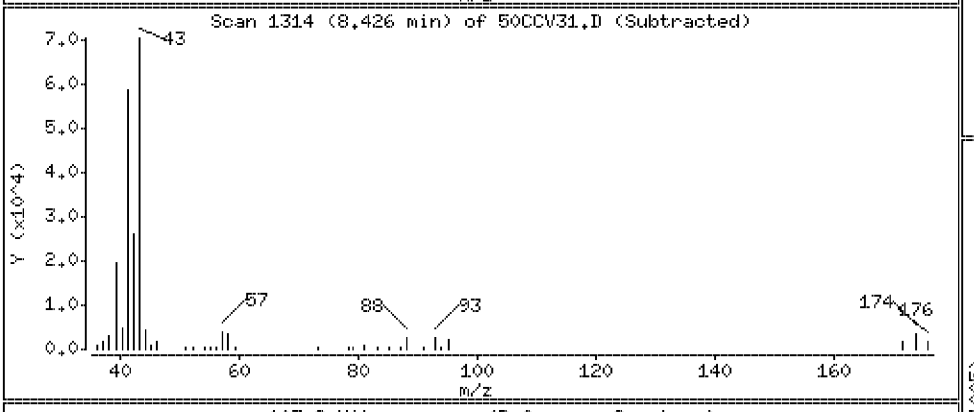
Column phase: DB-624

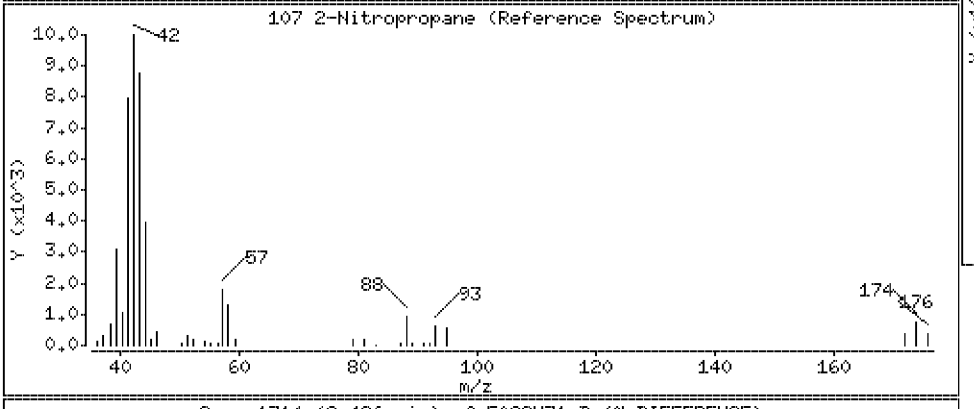
Column diameter: 0.18

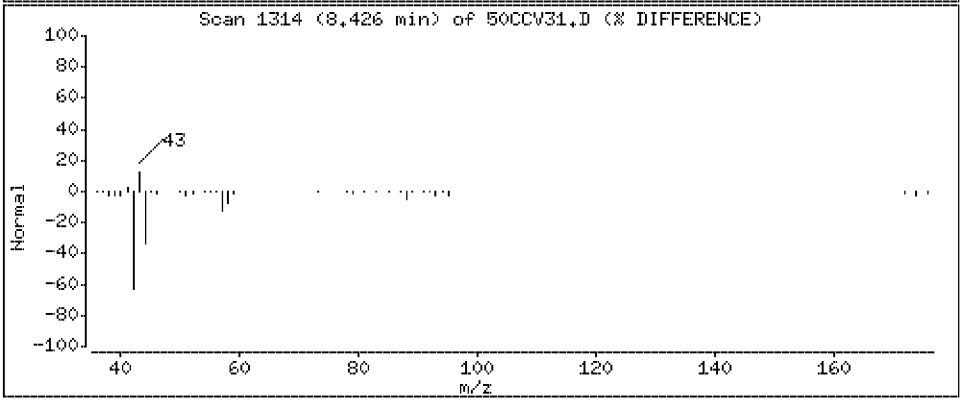
107 2-Nitropropane

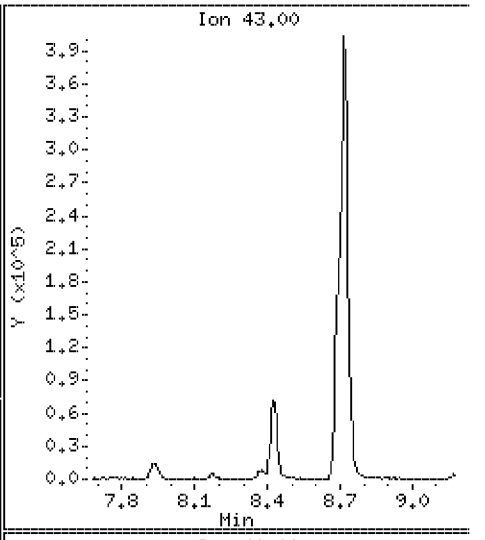
Concentration: 96.8 ug/l

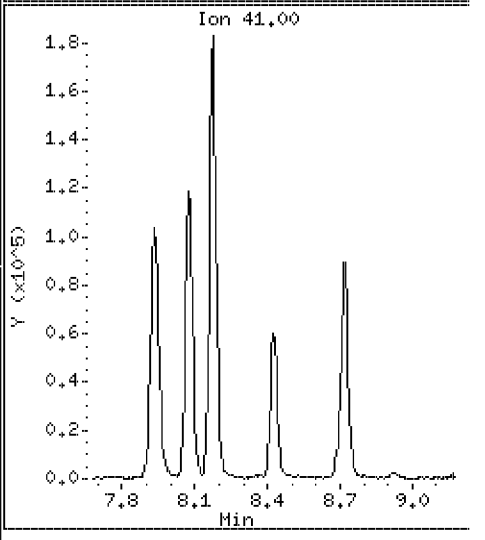












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

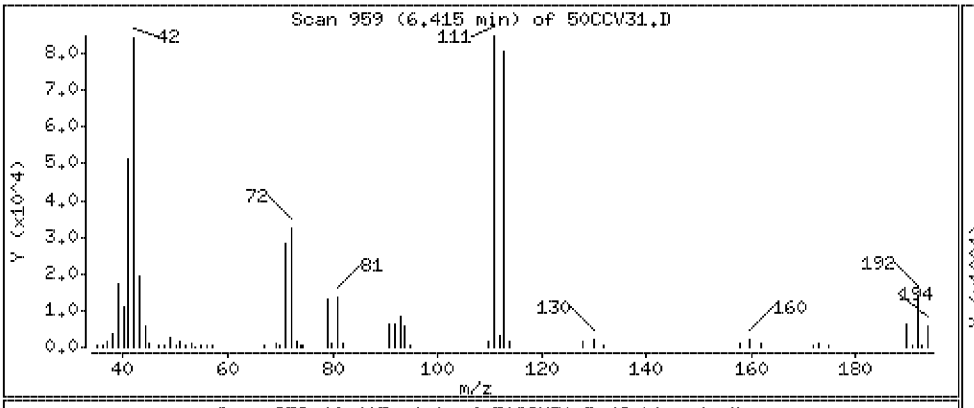
Client ID: 061507CCVA31 Instrument: vms03.i

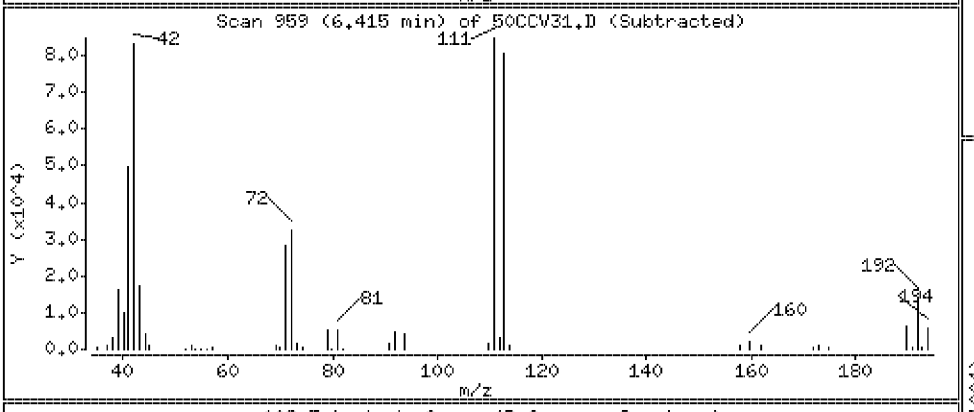
Sample Info: 061507CCVA31

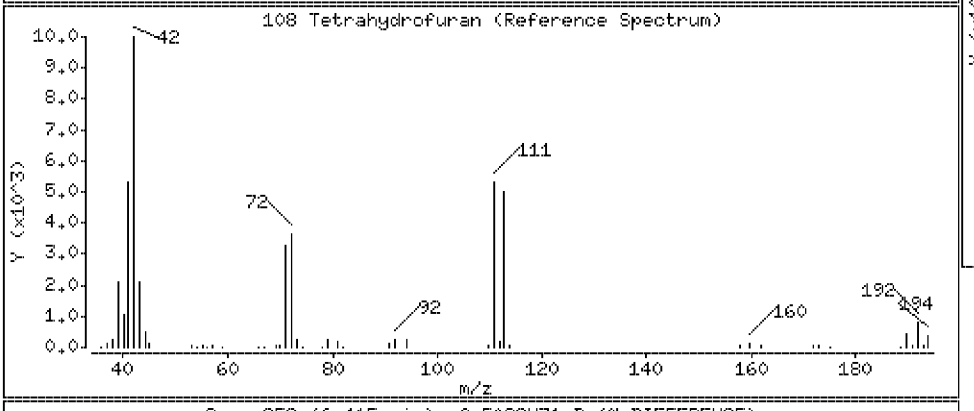
Purge Volume: 5.0 Operator:

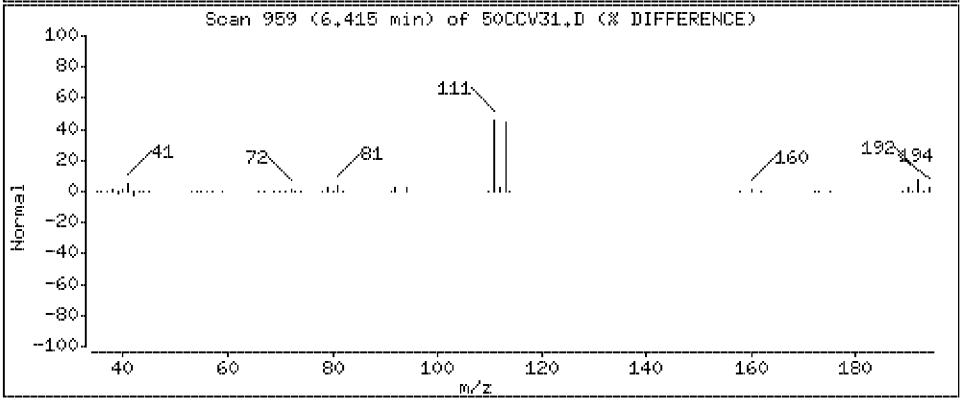
Column phase: DB-624 Column diameter: 0.18

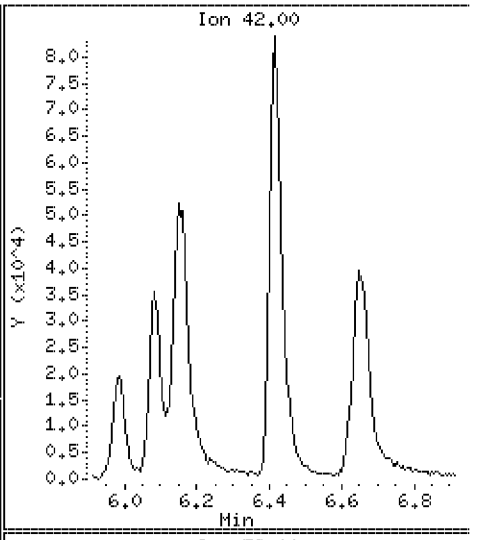
108 Tetrahydrofuran Concentration: 94.8 ug/l

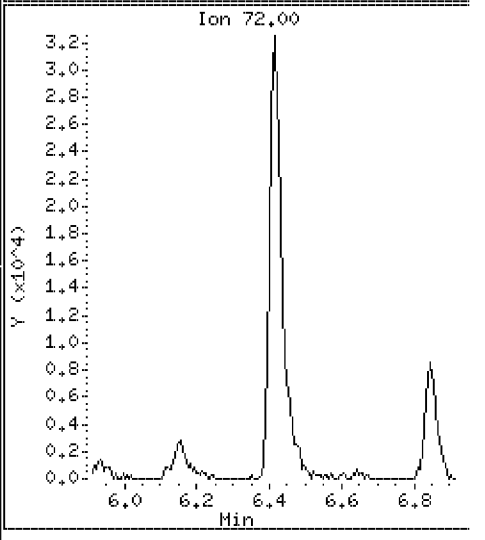












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\50CCV31.D

Date : 15-JUN-2007 10:18

Client ID: 061507CCVA31

Instrument: vms03.i

Sample Info: 061507CCVA31

Purge Volume: 5.0

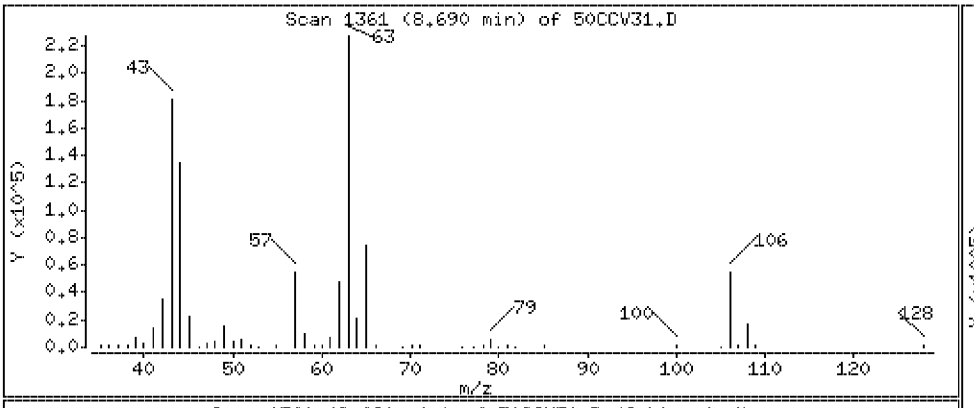
Operator:

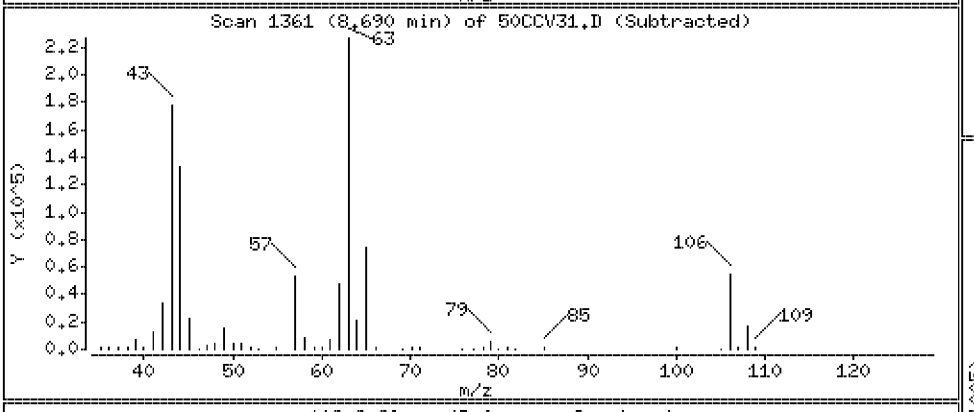
Column phase: DB-624

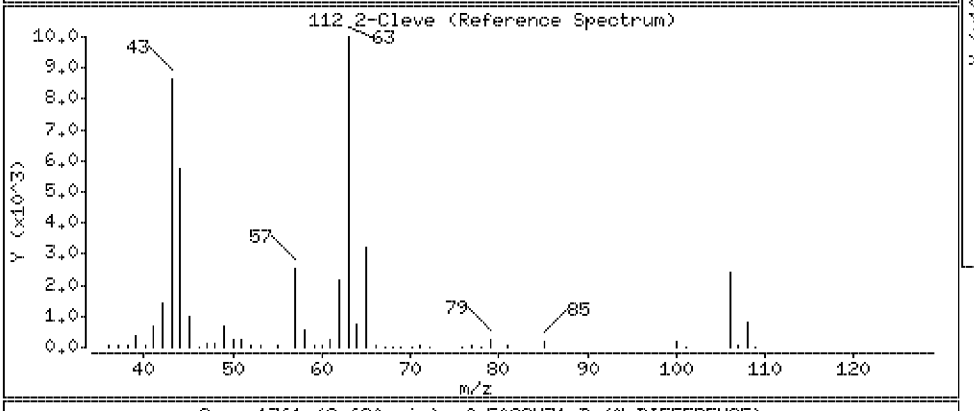
Column diameter: 0.18

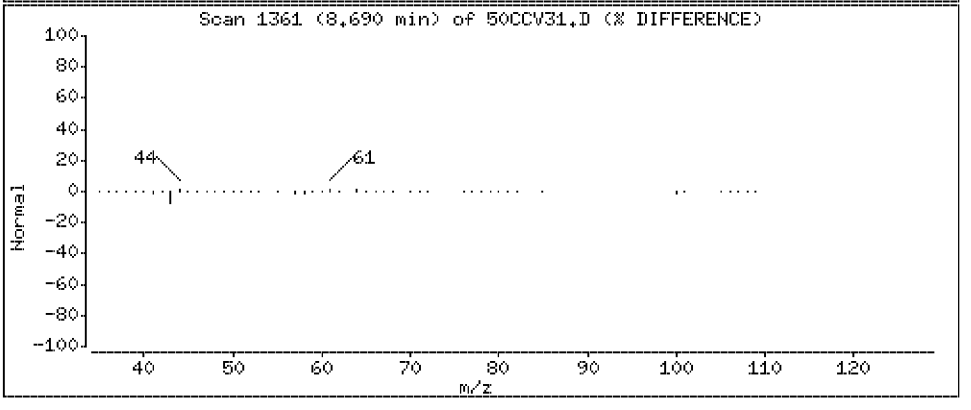
112 2-Cleve

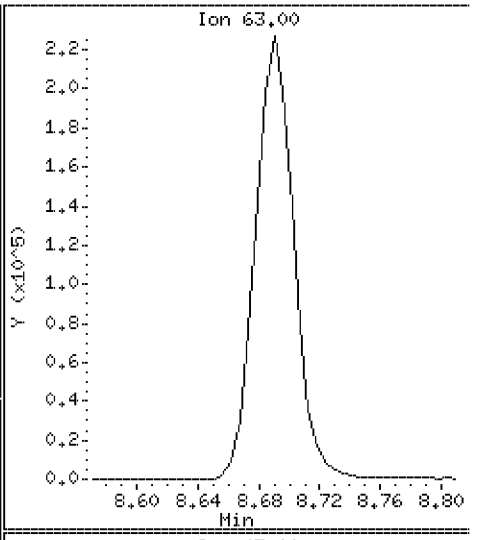
Concentration: 110 ug/l

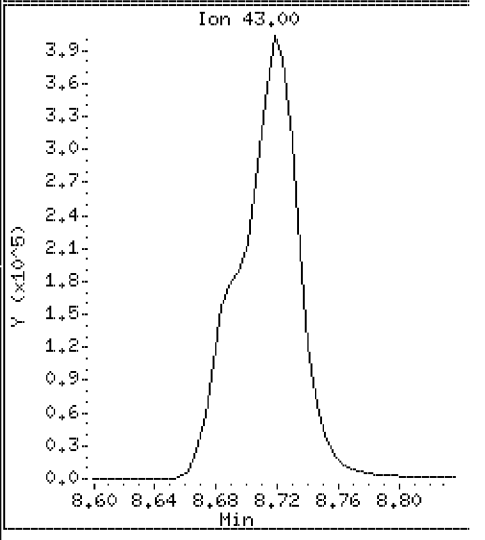












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M306150P.b\LCS32.D
Lab Smp Id: 061507LCSA32 Client Smp ID: 061507LCSA32
Inj Date : 15-JUN-2007 10:41
Operator : Inst ID: vms03.i
Smp Info : 061507LCSA32
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M306150P.b\8260A.m
Meth Date : 20-Jun-2007 10:25 lpelo Quant Type: ISTD
Cal Date : 15-JUN-2007 08:57 Cal File: 80PPB.D
Als bottle: 4 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				376516	41.0109	41.0
M 2 Xylenes (Total)	100				1202044	58.8976	58.9
M 3 Trihalomethanes (Total)	100				721934	81.8626	81.9
4 Dichlorodifluoromethane	85	1.454	1.454	(0.196)	89595	16.0002	16.0(R)
5 Chloromethane	50	1.667	1.665	(0.224)	154664	17.3561	17.4
6 Vinyl Chloride	62	1.763	1.758	(0.237)	100364	17.0937	17.1
7 Bromomethane	96	2.187	2.183	(0.294)	76284	18.0424	18.0
8 Chloroethane	64	2.278	2.272	(0.307)	87795	18.2033	18.2
9 Trichlorofluoromethane	101	2.525	2.521	(0.340)	167734	16.8969	16.9
10 Acrolein	56	3.014	3.010	(0.406)	81299	59.8810	59.9
11 1,1,2 Trichlorotrifluoromethan	101	3.043	3.040	(0.410)	123325	18.7297	18.7
12 Acetone	43	3.099	3.095	(0.417)	183373	65.4629	65.5
13 1,1-Dichloroethene	61	3.256	3.252	(0.438)	239237	19.6506	19.6
109 t-Butyl-Alcohol	59	3.388	3.385	(0.456)	171565	232.252	232(q)
14 Acetonitrile	41	3.457	3.452	(0.465)	271869	203.639	204
15 Iodomethane	142	3.676	3.671	(0.495)	203827	22.2141	22.2
16 Methyl Acetate	43	3.746	3.742	(0.504)	142655	21.0539	21.0
17 Allyl Chloride	41	3.765	3.762	(0.507)	234288	20.2459	20.2
18 Carbon Disulfide	76	3.921	3.916	(0.528)	433383	19.2848	19.3
19 Methylene Chloride	49	3.945	3.942	(0.531)	250869	20.3027	20.3
20 Acrylonitrile	53	4.172	4.168	(0.562)	213385	64.3080	64.3
21 Methyl-tert-butyl ether	73	4.222	4.216	(0.568)	424401	21.5413	21.5
22 trans 1,2-Dichloroethene	61	4.406	4.402	(0.593)	219711	19.8637	19.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	23 1,1-Dichloroethane	63	5.072	5.067	(0.683)	286457	20.7336	20.7
	24 Vinyl Acetate	43	5.127	5.123	(0.690)	312112	22.2400	22.2
	25 Chloroprene	53	5.202	5.200	(0.700)	258576	20.2917	20.3
	26 2-Butanone	43	5.731	5.725	(0.771)	235100	63.7232	63.7
	27 Propionitrile	54	5.830	5.824	(0.785)	264891	213.513	214
	28 2,2-Dichloropropane	77	5.877	5.874	(0.791)	129243	21.5396	21.5
	29 cis-1,2-Dichloroethene	96	5.941	5.937	(0.800)	156805	21.1472	21.1
	30 Methyacrylonitrile	67	6.087	6.085	(0.819)	669897	217.076	217
	31 Isobutyl Alcohol	43	6.158	6.152	(0.829)	79188	275.082	275(Q)
	32 Chloroform	83	6.152	6.150	(0.828)	272997	20.3208	20.3
	33 Bromochloromethane	49	6.356	6.353	(0.855)	156871	20.8411	20.8
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.433	6.430	(0.866)	325026	48.8567	48.8
	35 1,1,1-Trichloroethane	97	6.654	6.653	(0.896)	209453	20.2727	20.3
	36 Cyclohexane	56	6.655	6.652	(0.896)	275447	20.4792	20.5
	37 1,1-Dichloropropene	75	6.850	6.848	(0.922)	195236	20.5060	20.5
	38 Carbon tetrachloride	117	6.957	6.955	(0.936)	154180	19.9724	20.0
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.053	7.051	(0.949)	72066	48.2307	48.2
	40 1,2-Dichloroethane	62	7.163	7.162	(0.964)	246903	20.9701	21.0
	41 Benzene	78	7.164	7.163	(0.964)	571673	20.2167	20.2
*	42 FLUOROBENZENE (IS)	96	7.430	7.427	(1.000)	1238822	50.0000	
	43 Trichloroethylene	130	7.877	7.875	(1.060)	144661	20.2795	20.3
	44 Methyl Cyclohexane	55	7.933	7.933	(1.068)	205784	20.7368	20.7
	45 1,2-Dichloropropane	63	8.078	8.077	(1.087)	173081	21.4180	21.4
	46 Methyl Methacrylate	69	8.176	8.174	(1.100)	100824	21.9932	22.0(R)
	47 Bromodichloromethane	83	8.331	8.330	(1.121)	211655	21.1420	21.1
	48 1,4 Dioxane	88	8.375	8.373	(1.127)	33582	468.034	468(Q)
	49 Dibromomethane	93	8.383	8.382	(1.128)	102125	21.1837	21.2
	50 4-Methyl-2-Pentanone	43	8.721	8.718	(0.664)	466403	56.6882	56.7
	51 2-Hexanone	43	9.631	9.629	(0.898)	355903	64.9797	65.0
	52 cis 1,3-Dichloropropene	75	8.925	8.925	(1.201)	260201	21.4361	21.4
$	53 TOLUENE d8 (surr)	98	9.171	9.170	(1.234)	1267086	48.5057	48.5
	54 Toluene	92	9.253	9.253	(1.245)	377008	20.7137	20.7
	55 trans 1,3-Dichloropropene	75	9.455	9.453	(1.273)	226027	21.8315	21.8
	56 Ethyl Methacrylate	69	9.456	9.454	(1.273)	188517	22.7161	22.7
	57 1,1,2-Trichloroethane	97	9.610	9.610	(1.293)	141468	20.8718	20.9
	58 1,3-Dichloropropane	76	9.871	9.871	(0.920)	255196	20.9177	20.9
	59 Tetrachloroethylene	164	9.925	9.926	(0.925)	115405	19.4746	19.5
	60 Dibromochloromethane	129	10.133	10.133	(0.945)	143551	20.2906	20.3
	61 1,2-Dibromoethane	107	10.337	10.337	(0.964)	142564	20.5223	20.5
	62 1-Chlorohexane	91	10.510	10.509	(0.980)	183020	20.2185	20.2
*	63 CHLOROBENZENE d5 (IS)	117	10.725	10.724	(1.000)	941013	50.0000	
	64 Chlorobenzene	112	10.763	10.763	(1.004)	421652	19.4336	19.4
	65 1,1,1,2-Tetrachloroethane	131	10.809	10.809	(1.008)	124657	19.2269	19.2
	66 Ethylbenzene	106	10.819	10.818	(1.009)	216019	19.7307	19.7
	67 p,m-Xylene	106	10.895	10.895	(1.016)	559946	39.1118	39.1
	68 o-Xylene	91	11.335	11.336	(1.057)	642098	19.7858	19.8
	69 Styrene	104	11.373	11.372	(1.060)	462578	20.4361	20.4
	70 Bromoform	173	11.713	11.712	(1.092)	93731	20.1092	20.1
	71 1-Methylethylbenzene	105	11.698	11.698	(0.890)	691827	20.4650	20.5
	72 1,4-Dichloro-2-Butene	53	11.373	11.370	(0.865)	4865	39.0137	39.0(Q)
	73 1,1,2,2-Tetrachloroethane	83	11.873	11.874	(0.903)	187620	21.1537	21.2
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.952	11.951	(0.909)	518470	48.2505	48.2
	75 1,2,3- trichloropropane	110	12.022	12.021	(0.915)	60967	21.7622	21.8
	76 n-Propylbenzene	91	12.102	12.102	(0.921)	879547	20.7297	20.7

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
77 Bromobenzene	77	12.145	12.145	(0.924)	314188	19.8598	19.8
78 1,3,5-Trimethylbenzene	105	12.260	12.261	(0.933)	646724	21.2284	21.2
79 2-Chlorotoluene	91	12.281	12.281	(0.934)	640486	21.1111	21.1
80 4-Chlorotoluene	91	12.328	12.329	(0.938)	596107	20.6844	20.7
81 tert-Butylbenzene	119	12.620	12.620	(0.960)	572211	20.5396	20.5
82 1,2,4-trimethylbenzene	105	12.657	12.657	(0.963)	649168	21.2137	21.2
83 sec-Butylbenzene	105	12.833	12.833	(0.976)	740378	21.0205	21.0
84 p-Isopropyltoluene	119	12.971	12.971	(0.987)	630912	21.2794	21.3
85 1,3-Dichlorobenzene	146	13.068	13.068	(0.994)	341954	21.1547	21.2
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.143	13.143	(1.000)	489806	50.0000	
87 1,4-Dichlorobenzene	146	13.175	13.175	(1.002)	333919	20.8715	20.9
88 Benzyl Chloride	91	13.293	13.293	(1.011)	172459	20.1925	20.2
89 n-Butylbenzene	91	13.382	13.382	(1.018)	536289	21.3651	21.4
90 1,2-Dichlorobenzene	146	13.548	13.548	(1.031)	329994	21.5216	21.5
91 1,2-dibromo-3-chloropropane	75	14.299	14.300	(1.088)	29286	20.5869	20.6
92 1,2,4-Trichlorobenzene	180	14.982	14.980	(1.140)	160747	20.9703	21.0
93 Hexachlorobutadiene	223	15.080	15.078	(1.147)	45651	20.9291	20.9
94 Naphthalene	128	15.167	15.164	(1.154)	384669	21.6949	21.7
95 1,2,3-trichlorobenzene	180	15.336	15.332	(1.167)	141215	20.9220	20.9
103 Isopropyl Ether	45	4.961	4.956	(0.668)	556658	20.7750	20.8
104 Ethyl acetate	43	5.987	5.983	(0.806)	317480	42.7585	42.8
105 Cyclohexanone	55	11.759	11.758	(1.096)	239433	235.653	236
106 Ethyl ether	59	2.853	2.850	(0.384)	137901	21.1140	21.1
107 2-Nitropropane	43	8.426	8.425	(1.134)	60543	37.5909	37.6
108 Tetrahydrofuran	42	6.421	6.415	(0.864)	96912	41.3209	41.3

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: LCS32.D
Lab Smp Id: 061507LCSA32
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M306150P.b\8260A.m
Misc Info:

Calibration Date: 15-JUN-2007
Calibration Time: 10:18
Client Smp ID: 061507LCSA32
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1288369	644185	2576738	1238822	-3.85
63 CHLOROBENZENE d5	921152	460576	1842304	941013	2.16
86 1,4-DICHLOROBENZE	508073	254037	1016146	489806	-3.60

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.03
63 CHLOROBENZENE d5	10.72	10.22	11.22	10.73	0.01
86 1,4-DICHLOROBENZE	13.14	12.64	13.64	13.14	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\LCS32.D

Date : 15-JUN-2007 10:41

Client ID: 061507LCSA32

Instrument: vms03.i

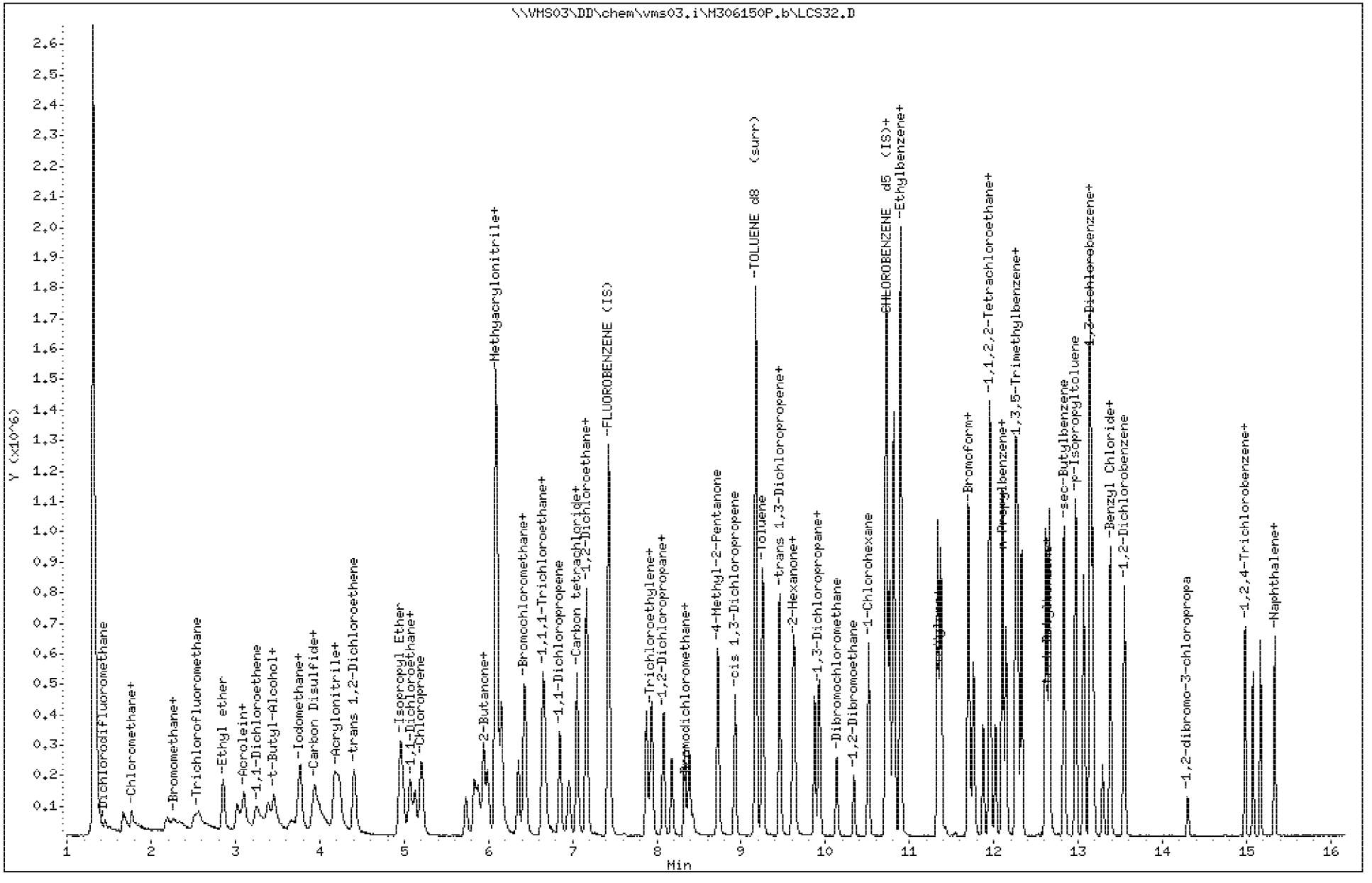
Sample Info: 061507LCSA32

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D
Lab Smp Id: 250696402 Client Smp ID: TO0540AMSBLDL1
Inj Date : 15-JUN-2007 11:05
Operator : Inst ID: vms03.i
Smp Info : 250696402;2506964;5;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M306150P.b\8260A.m
Meth Date : 20-Jun-2007 10:26 lpelo Quant Type: ISTD
Cal Date : 15-JUN-2007 08:57 Cal File: 80PPB.D
Als bottle: 23 QC Sample: MS
Dil Factor: 5.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	5.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				423695	45.3111	226
M 2 Xylenes (Total)	100				1218673	60.6361	303
M 3 Trihalomethanes (Total)	100				709262	79.5662	398
4 Dichlorodifluoromethane	85	1.454	1.454	(0.196)	97354	16.8489	84.2(R)
5 Chloromethane	50	1.670	1.665	(0.225)	164954	17.9661	89.8
6 Vinyl Chloride	62	1.763	1.758	(0.237)	118311	19.8943	99.5
7 Bromomethane	96	2.192	2.183	(0.295)	74421	17.0582	85.3
8 Chloroethane	64	2.277	2.272	(0.306)	93387	18.7818	93.9
9 Trichlorofluoromethane	101	2.524	2.521	(0.340)	187470	18.3019	91.5
10 Acrolein	56	3.014	3.010	(0.406)	87940	62.7721	314
11 1,1,2 Trichlorotrifluoromethan	101	3.047	3.040	(0.410)	126299	18.5890	92.9
12 Acetone	43	3.100	3.095	(0.417)	149727	51.3607	257
13 1,1-Dichloroethene	61	3.254	3.252	(0.438)	248505	19.7816	98.9
109 t-Butyl-Alcohol	59	3.390	3.385	(0.456)	165876	217.616	1090(q)
14 Acetonitrile	41	3.457	3.452	(0.465)	265208	192.515	962
15 Iodomethane	142	3.675	3.671	(0.495)	189007	19.9628	99.8
16 Methyl Acetate	43	3.748	3.742	(0.504)	140857	20.1466	101
17 Allyl Chloride	41	3.768	3.762	(0.507)	233316	19.5393	97.7
18 Carbon Disulfide	76	3.921	3.916	(0.528)	463371	19.9824	99.9
19 Methylene Chloride	49	3.946	3.942	(0.531)	248603	19.4980	97.5
20 Acrylonitrile	53	4.174	4.168	(0.562)	215383	62.9056	314
21 Methyl-tert-butyl ether	73	4.222	4.216	(0.568)	426420	20.9754	105

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	22 trans 1,2-Dichloroethene	61	4.407	4.402	(0.593)	233627	20.4695	102
	23 1,1-Dichloroethane	63	5.072	5.067	(0.683)	282980	19.8495	99.2
	24 Vinyl Acetate	43	5.129	5.123	(0.690)	312412	21.5739	108
	25 Chloroprene	53	5.205	5.200	(0.700)	266391	20.2594	101
	26 2-Butanone	43	5.733	5.725	(0.772)	232602	61.0991	305
	27 Propionitrile	54	5.831	5.824	(0.785)	269252	210.325	1050
	28 2,2-Dichloropropane	77	5.877	5.874	(0.791)	128357	20.7314	104
	29 cis-1,2-Dichloroethene	96	5.941	5.937	(0.800)	190068	24.8415	124(R)
	30 Methyacrylonitrile	67	6.091	6.085	(0.820)	655928	205.986	1030
	31 Isobutyl Alcohol	43	6.161	6.152	(0.829)	101341	342.952	1710(Q)
	32 Chloroform	83	6.154	6.150	(0.828)	275203	19.8524	99.3
	33 Bromochloromethane	49	6.355	6.353	(0.855)	151548	19.5122	97.6
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.435	6.430	(0.866)	322623	46.9978	47.0
	35 1,1,1-Trichloroethane	97	6.657	6.653	(0.896)	218931	20.5356	103
	36 Cyclohexane	56	6.657	6.652	(0.896)	290191	20.9092	104
	37 1,1-Dichloropropene	75	6.851	6.848	(0.922)	201292	20.4891	102
	38 Carbon tetrachloride	117	6.958	6.955	(0.936)	158310	19.8740	99.4
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.053	7.051	(0.949)	74046	48.0254	48.0
	40 1,2-Dichloroethane	62	7.165	7.162	(0.964)	234405	19.2938	96.5
	41 Benzene	78	7.166	7.163	(0.964)	593560	20.3425	102
*	42 FLUOROBENZENE (IS)	96	7.431	7.427	(1.000)	1278298	50.0000	
	43 Trichloroethylene	130	7.878	7.875	(1.060)	347163	47.1645	236(R)
	44 Methyl Cyclohexane	55	7.937	7.933	(1.068)	210434	20.5505	103
	45 1,2-Dichloropropane	63	8.079	8.077	(1.087)	171413	20.5566	103
	46 Methyl Methacrylate	69	8.177	8.174	(1.100)	98332	20.7872	104
	47 Bromodichloromethane	83	8.333	8.330	(1.121)	203564	19.7058	98.5
	48 1,4 Dioxane	88	8.377	8.373	(1.127)	30291	409.130	2040(Q)
	49 Dibromomethane	93	8.385	8.382	(1.128)	101351	20.3739	102
	50 4-Methyl-2-Pentanone	43	8.722	8.718	(0.664)	474749	56.9770	285
	51 2-Hexanone	43	9.632	9.629	(0.898)	346596	64.3984	322
	52 cis 1,3-Dichloropropene	75	8.927	8.925	(1.201)	252049	20.1233	101
$	53 TOLUENE d8 (surr)	98	9.172	9.170	(1.234)	1272685	47.2155	47.2
	54 Toluene	92	9.254	9.253	(1.245)	384669	20.4820	102
	55 trans 1,3-Dichloropropene	75	9.455	9.453	(1.272)	223378	20.9094	104
	56 Ethyl Methacrylate	69	9.457	9.454	(1.273)	187979	21.9518	110
	57 1,1,2-Trichloroethane	97	9.613	9.610	(1.294)	141273	20.1994	101
	58 1,3-Dichloropropane	76	9.873	9.871	(0.920)	245200	20.4534	102
	59 Tetrachloroethylene	164	9.926	9.926	(0.925)	122682	21.0683	105
	60 Dibromochloromethane	129	10.134	10.133	(0.945)	138500	19.9225	99.6
	61 1,2-Dibromoethane	107	10.338	10.337	(0.964)	140269	20.5486	103
	62 1-Chlorohexane	91	10.511	10.509	(0.980)	189671	21.3234	107
*	63 CHLOROBENZENE d5 (IS)	117	10.725	10.724	(1.000)	924677	50.0000	
	64 Chlorobenzene	112	10.764	10.763	(1.004)	441174	20.6926	103
	65 1,1,1,2-Tetrachloroethane	131	10.809	10.809	(1.008)	124170	19.4901	97.4
	66 Ethylbenzene	106	10.819	10.818	(1.009)	225174	20.9303	105
	67 p,m-Xylene	106	10.897	10.895	(1.016)	564387	40.1185	200
	68 o-Xylene	91	11.336	11.336	(1.057)	654286	20.5176	102
	69 Styrene	104	11.373	11.372	(1.060)	466056	20.9535	105
	70 Bromoform	173	11.714	11.712	(1.092)	91995	20.0854	100
	71 1-Methylethylbenzene	105	11.699	11.698	(0.890)	720137	21.0346	105
	72 1,4-Dichloro-2-Butene	53	11.370	11.370	(0.865)	4755	37.6521	188(Q)
	73 1,1,2,2-Tetrachloroethane	83	11.875	11.874	(0.903)	185943	20.7010	104
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.952	11.951	(0.909)	526504	48.3820	48.4
	75 1,2,3- trichloropropane	110	12.022	12.021	(0.915)	58656	20.6740	103

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
76 n-Propylbenzene	91	12.103	12.102	(0.921)	902615	21.0059	105
77 Bromobenzene	77	12.146	12.145	(0.924)	314357	19.6206	98.1
78 1,3,5-Trimethylbenzene	105	12.261	12.261	(0.933)	635393	20.5942	103
79 2-Chlorotoluene	91	12.281	12.281	(0.934)	634271	20.6434	103
80 4-Chlorotoluene	91	12.329	12.329	(0.938)	590585	20.2351	101
81 tert-Butylbenzene	119	12.621	12.620	(0.960)	592979	21.0174	105
82 1,2,4-trimethylbenzene	105	12.656	12.657	(0.963)	638872	20.6147	103
83 sec-Butylbenzene	105	12.833	12.833	(0.976)	751048	21.0553	105
84 p-Isopropyltoluene	119	12.971	12.971	(0.987)	624284	20.7911	104
85 1,3-Dichlorobenzene	146	13.069	13.068	(0.994)	336868	20.5779	103
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.143	13.143	(1.000)	496044	50.0000	
87 1,4-Dichlorobenzene	146	13.175	13.175	(1.002)	328047	20.2466	101
88 Benzyl Chloride	91	13.292	13.293	(1.011)	154847	18.1386	90.7
89 n-Butylbenzene	91	13.382	13.382	(1.018)	539886	21.2379	106
90 1,2-Dichlorobenzene	146	13.548	13.548	(1.031)	323468	20.8307	104
91 1,2-dibromo-3-chloropropane	75	14.300	14.300	(1.088)	28042	19.4646	97.3
92 1,2,4-Trichlorobenzene	180	14.976	14.980	(1.139)	153093	19.7903	99.0
93 Hexachlorobutadiene	223	15.073	15.078	(1.147)	45744	20.7080	104
94 Naphthalene	128	15.159	15.164	(1.153)	357096	20.0324	100
95 1,2,3-trichlorobenzene	180	15.326	15.332	(1.166)	129214	18.9894	94.9
103 Isopropyl Ether	45	4.962	4.956	(0.668)	560161	20.2601	101
104 Ethyl acetate	43	5.988	5.983	(0.806)	317698	41.4665	207
105 Cyclohexanone	55	11.761	11.758	(1.097)	62241	71.7663	359(R)
106 Ethyl ether	59	2.855	2.850	(0.384)	137199	20.3578	102
107 2-Nitropropane	43	8.427	8.425	(1.134)	58010	34.9059	174
108 Tetrahydrofuran	42	6.422	6.415	(0.864)	95616	39.3853	197
112 2-Cleve	63	8.726	8.689	(1.174)	702	0.19470	0.97(aQR)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 96402DMS.D
Lab Smp Id: 250696402
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M306150P.b\8260A.m
Misc Info:

Calibration Date: 15-JUN-2007
Calibration Time: 10:18
Client Smp ID: TO0540AMSBLDL1
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1288369	644185	2576738	1278298	-0.78
63 CHLOROBENZENE d5	921152	460576	1842304	924677	0.38
86 1,4-DICHLOROBENZE	508073	254037	1016146	496044	-2.37

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.04
63 CHLOROBENZENE d5	10.72	10.22	11.22	10.73	0.01
86 1,4-DICHLOROBENZE	13.14	12.64	13.64	13.14	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

Client ID: TO0540AMSBLDL1

Instrument: vms03.i

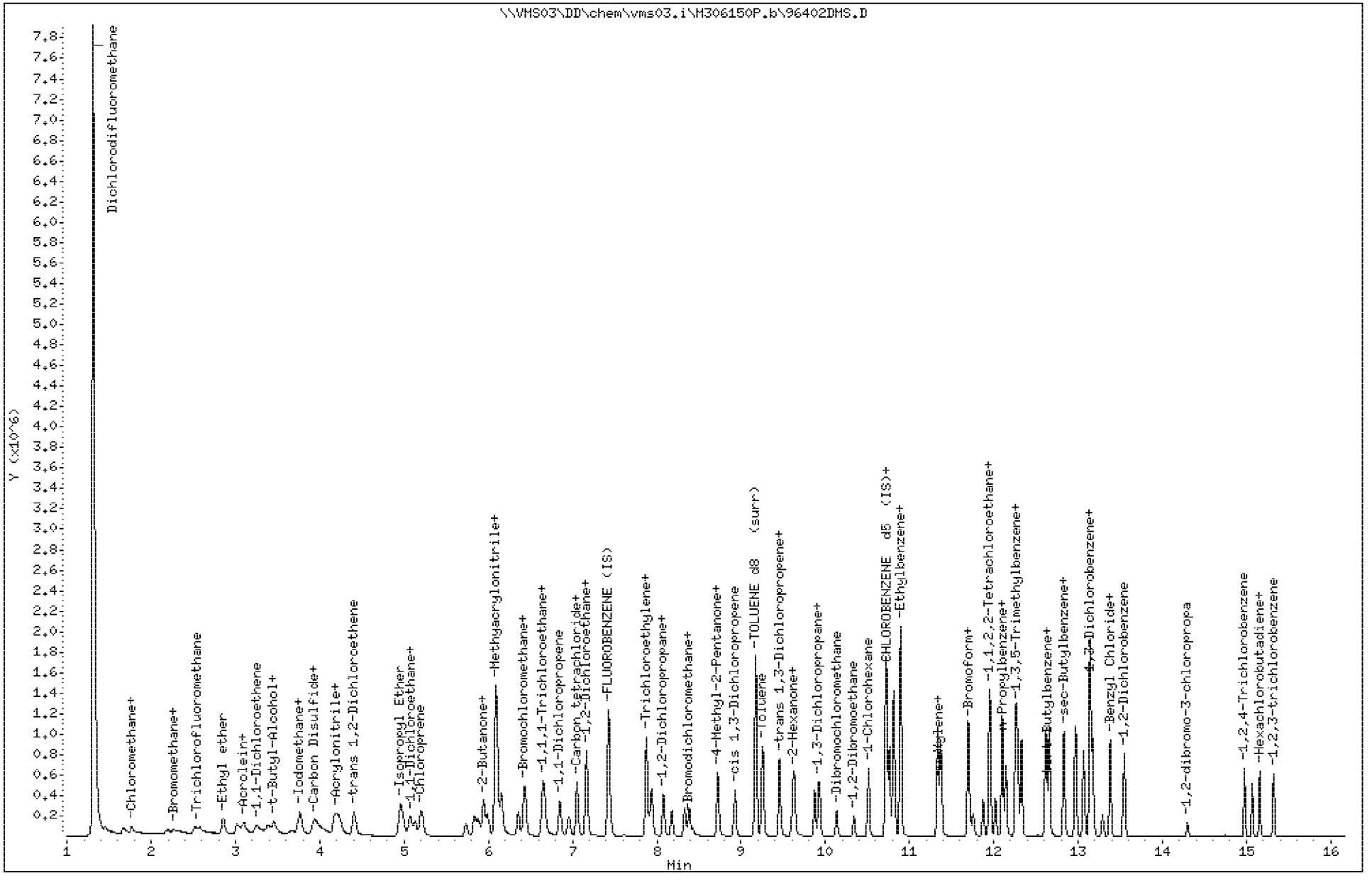
Sample Info: 250696402;2506964;5;

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



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Date : 15-JUN-2007 11:05

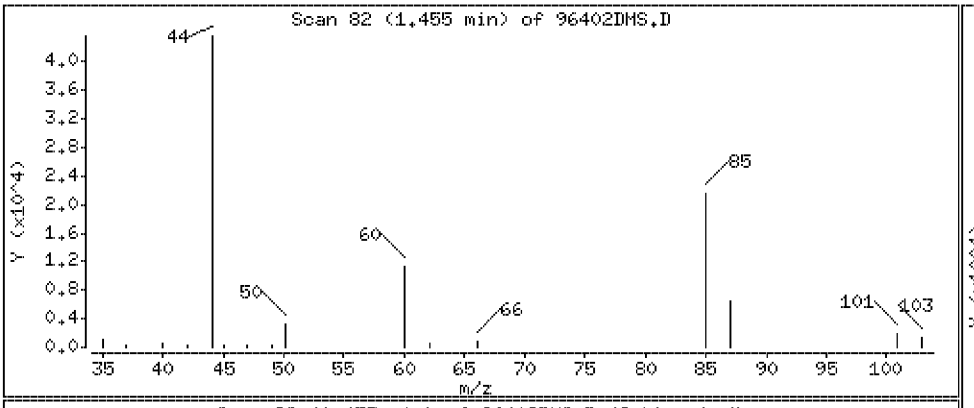
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

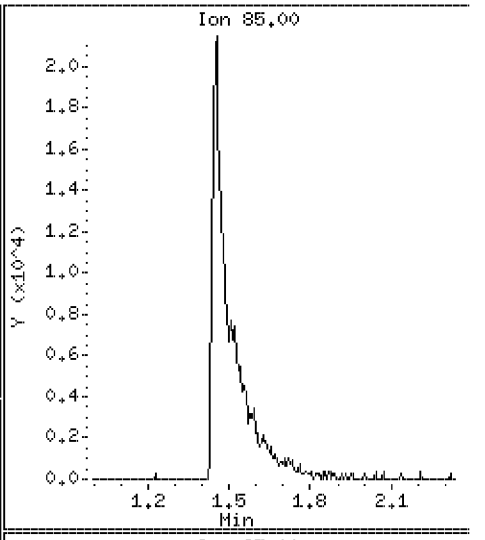
Sample Info: 250696402;2506964;5;

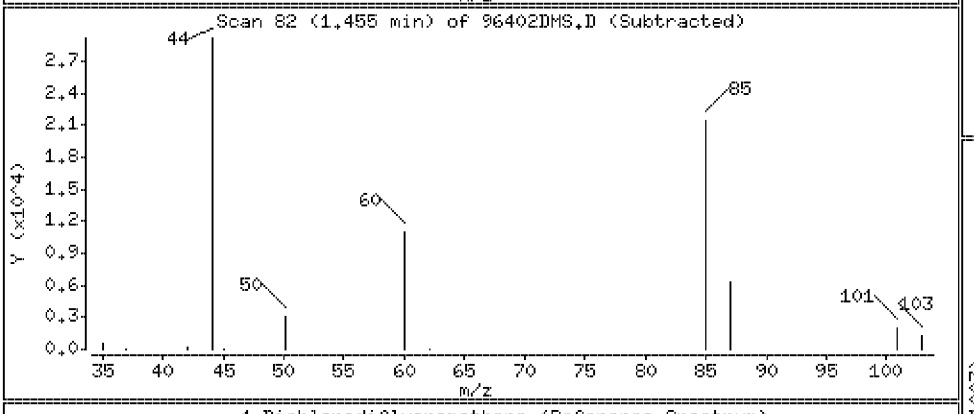
Purge Volume: 5.0 Operator:

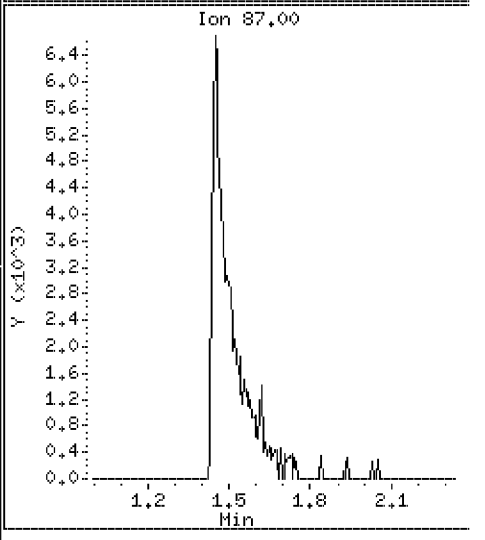
Column phase: DB-624 Column diameter: 0.18

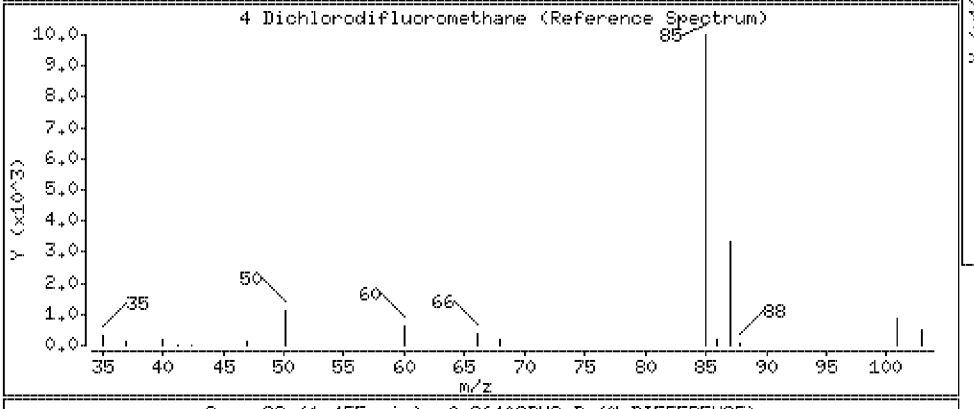
4 Dichlorodifluoromethane Concentration: 84.2 ug/l

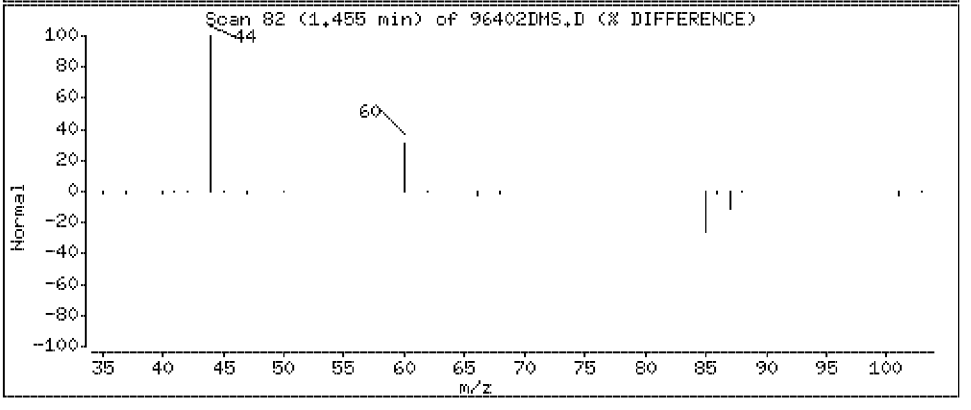












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Date : 15-JUN-2007 11:05

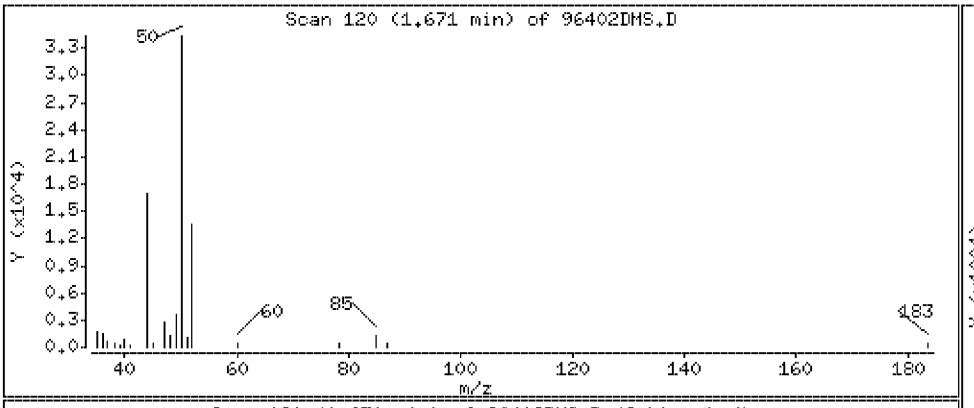
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

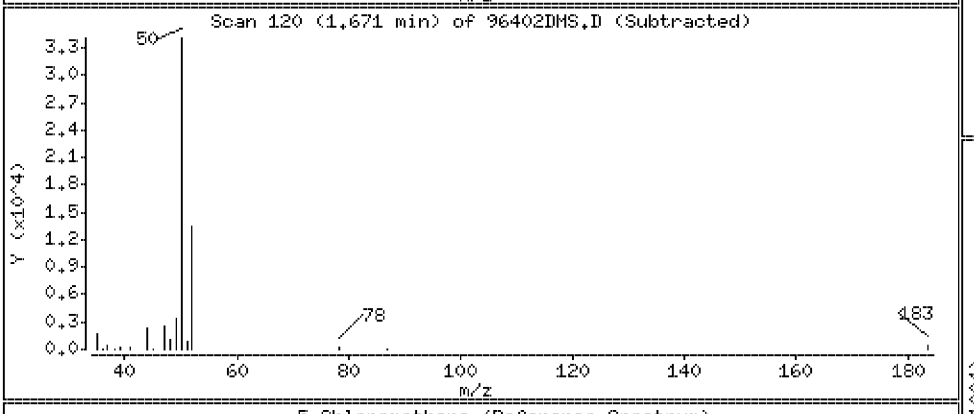
Sample Info: 250696402;2506964;5;

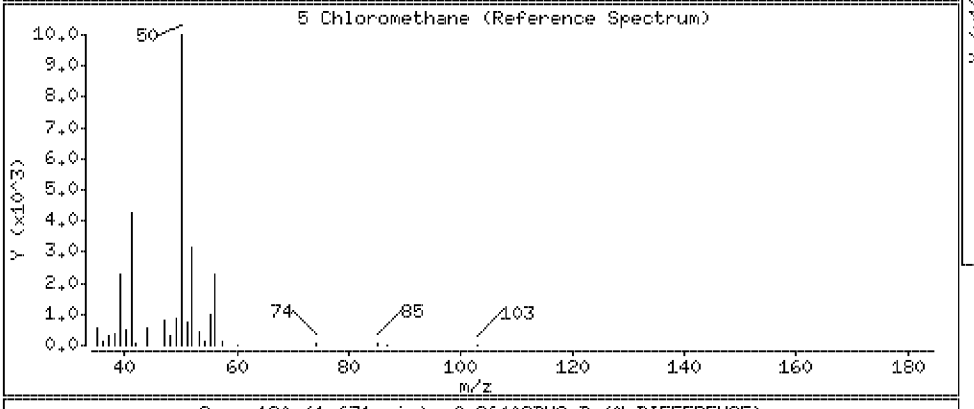
Purge Volume: 5.0 Operator:

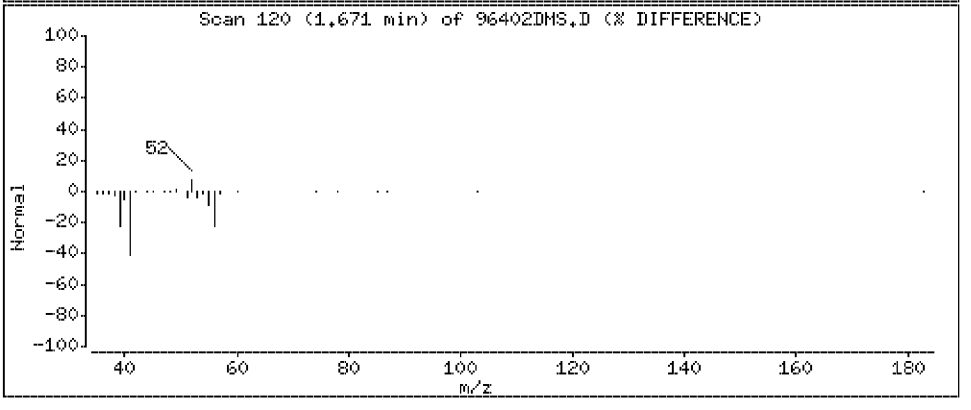
Column phase: DB-624 Column diameter: 0.18

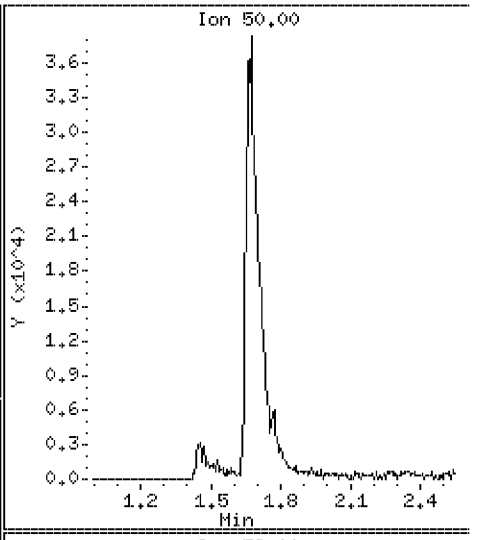
5 Chloromethane Concentration: 89.8 ug/l

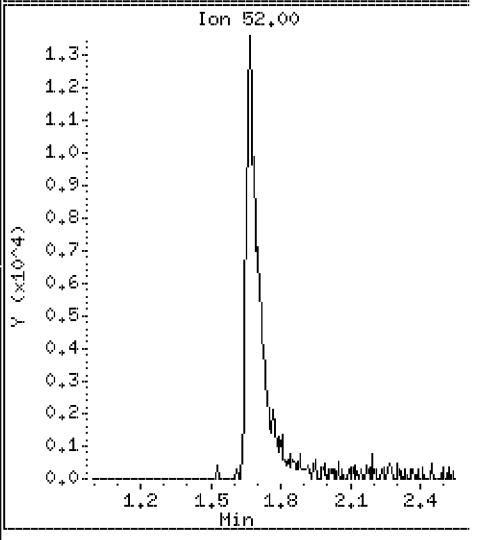












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

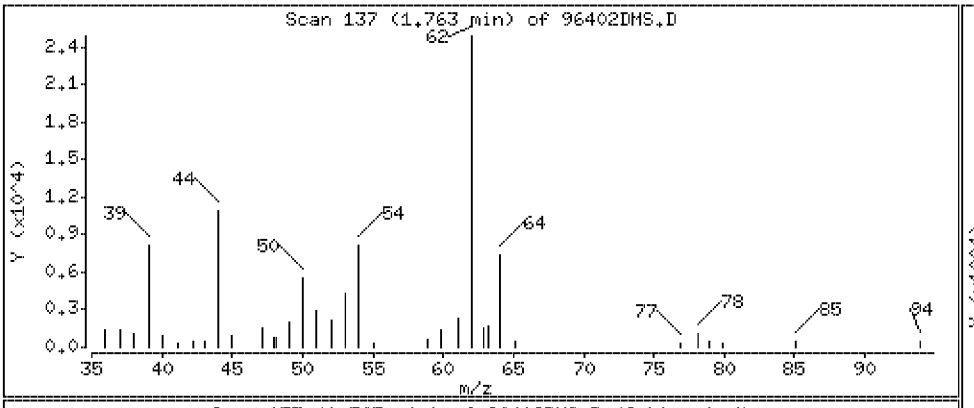
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

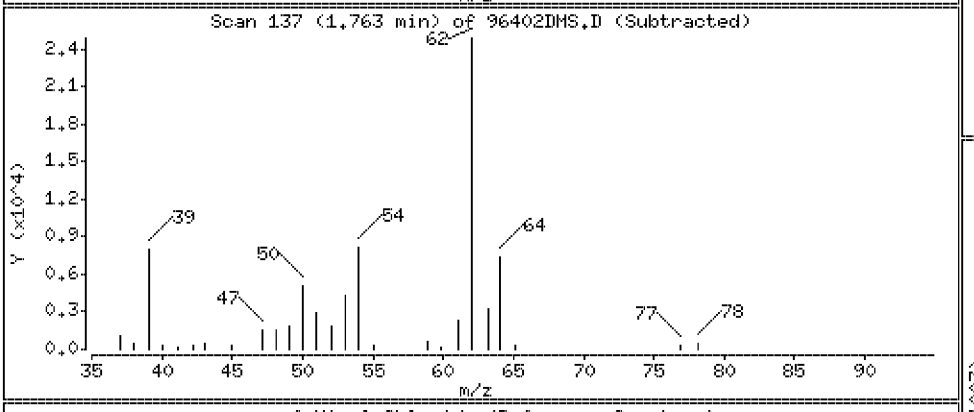
Sample Info: 250696402;2506964;5;

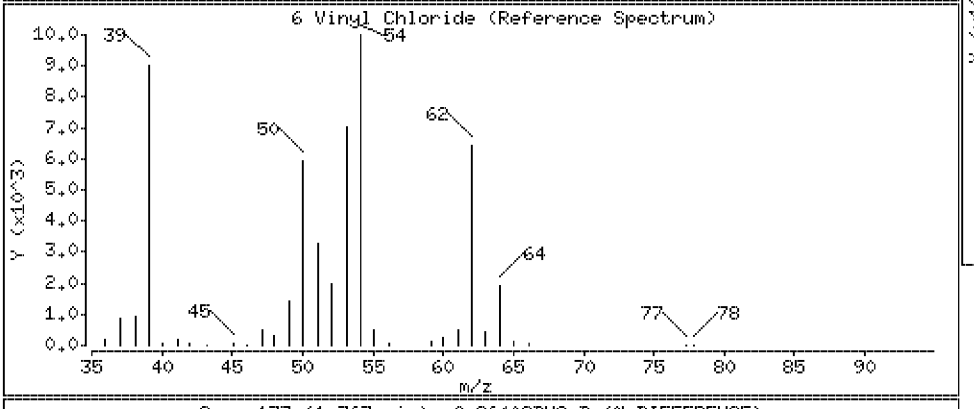
Purge Volume: 5.0 Operator:

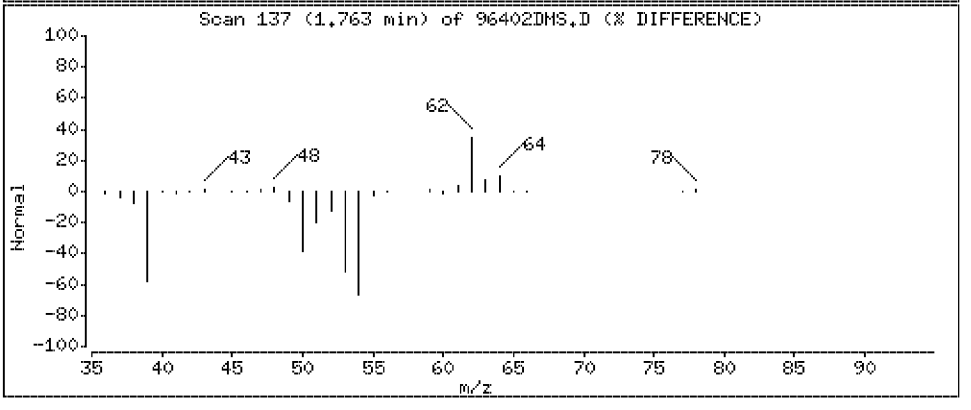
Column phase: DB-624 Column diameter: 0.18

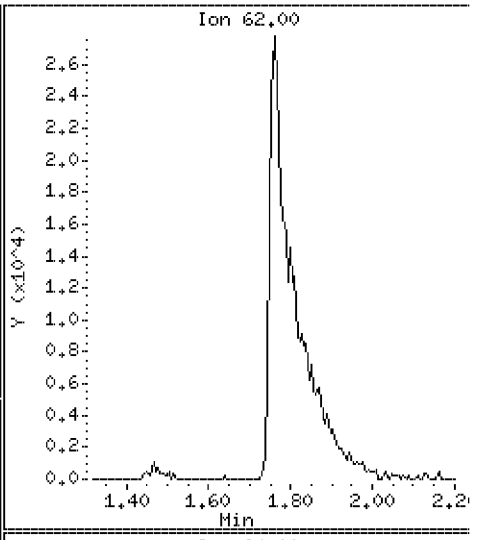
6 Vinyl Chloride Concentration: 99.5 ug/l

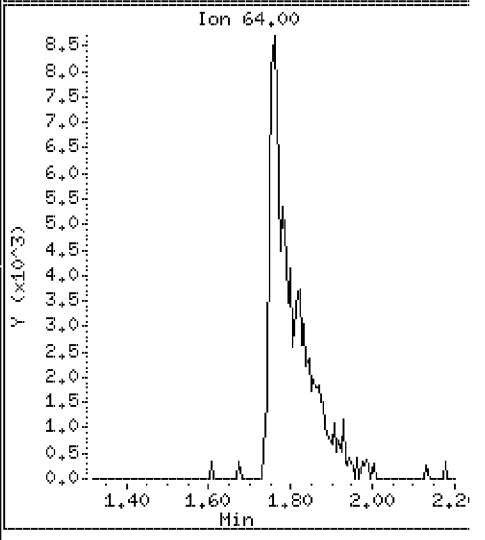












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Date : 15-JUN-2007 11:05

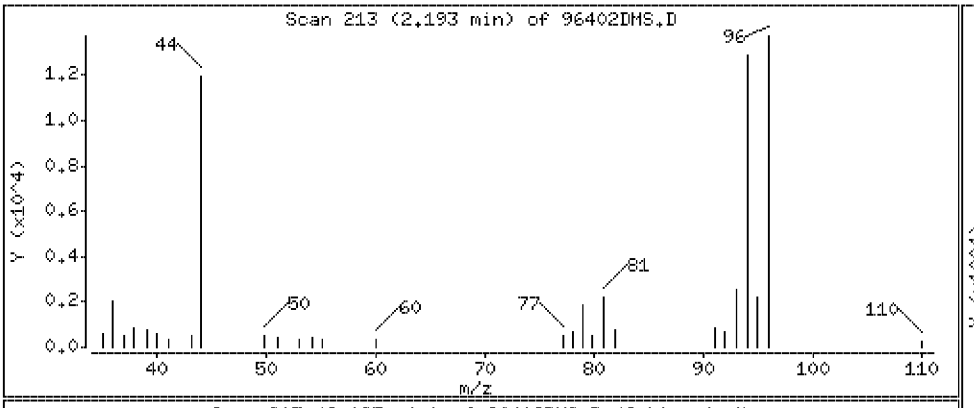
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

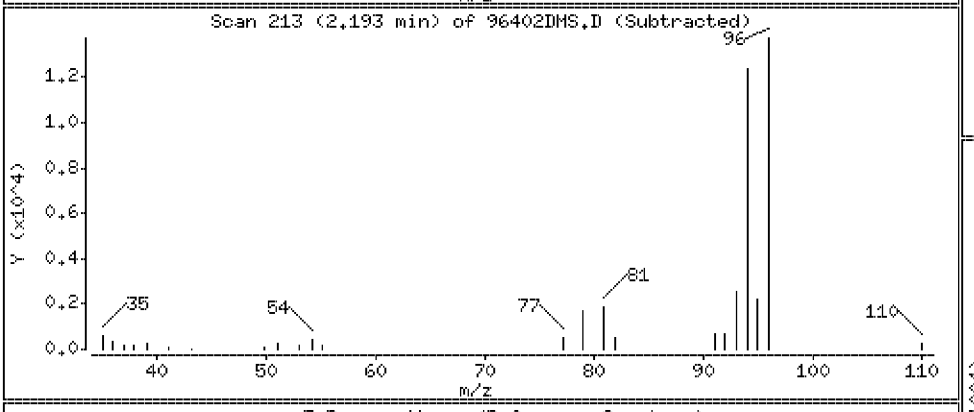
Sample Info: 250696402;2506964;5;

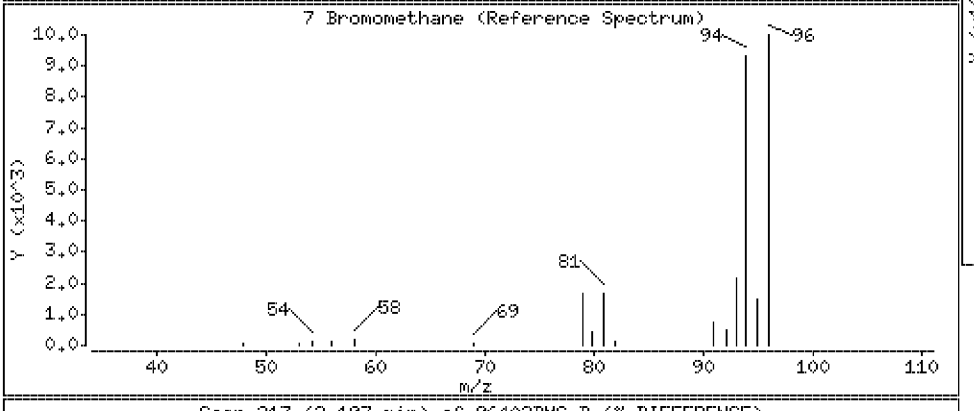
Purge Volume: 5.0 Operator:

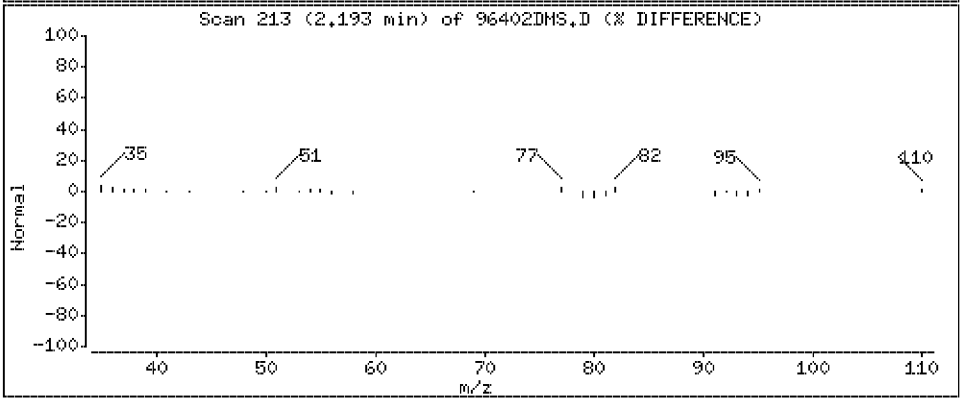
Column phase: DB-624 Column diameter: 0.18

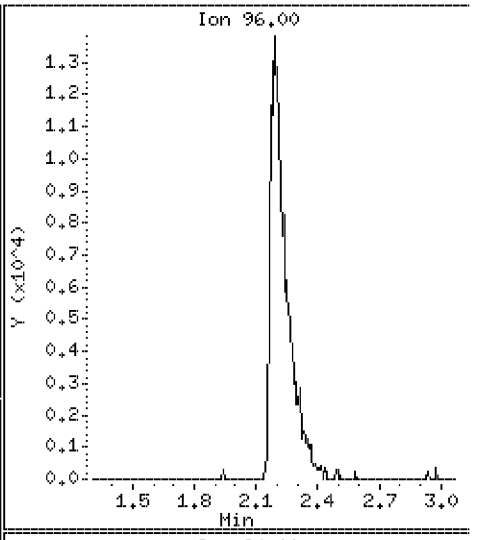
7 Bromomethane Concentration: 85.3 ug/l

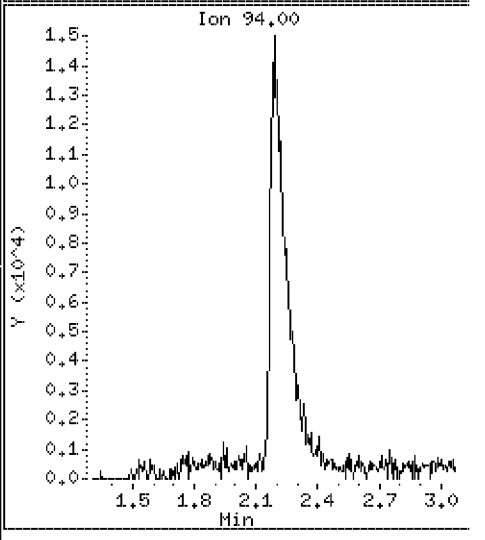












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Date : 15-JUN-2007 11:05

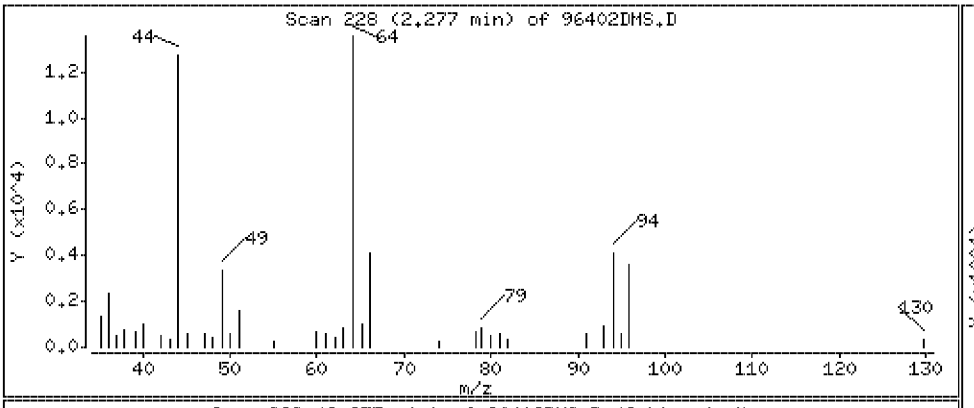
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

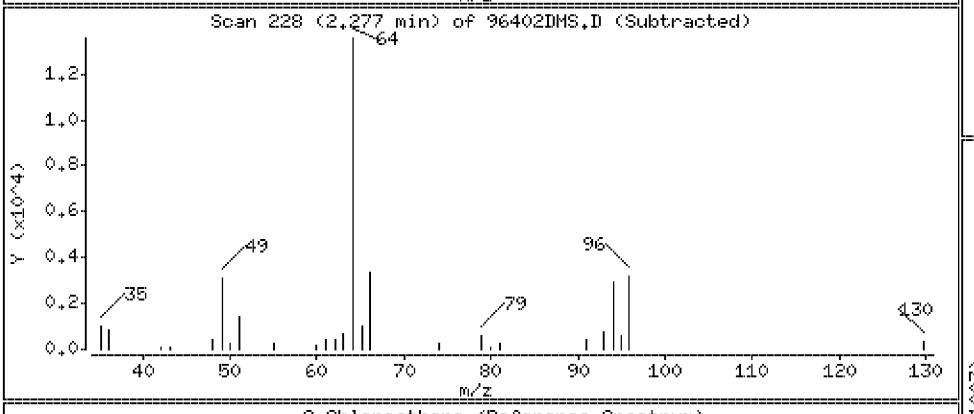
Sample Info: 250696402;2506964;5;

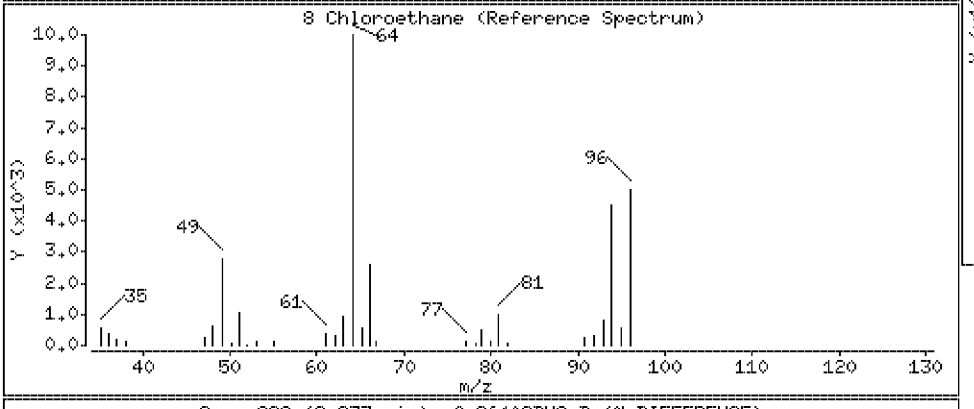
Purge Volume: 5.0 Operator:

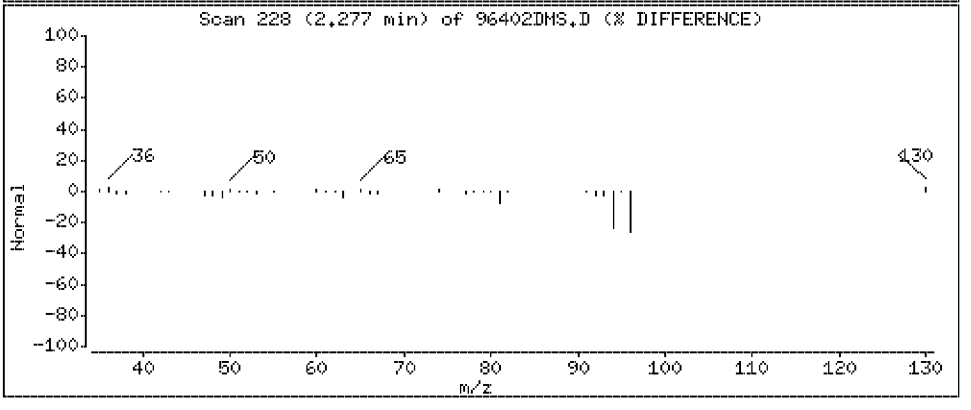
Column phase: DB-624 Column diameter: 0.18

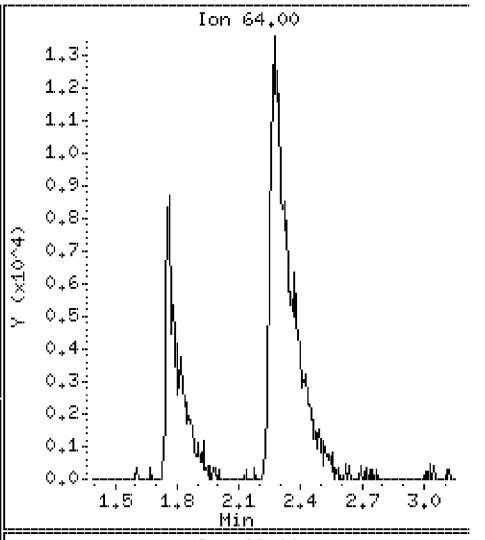
8 Chloroethane Concentration: 93.9 ug/l

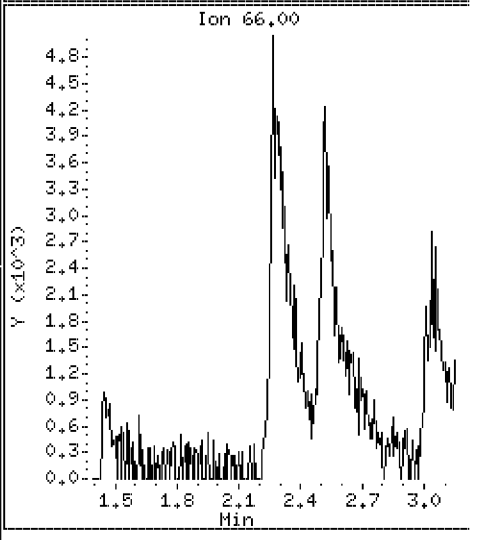












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Date : 15-JUN-2007 11:05

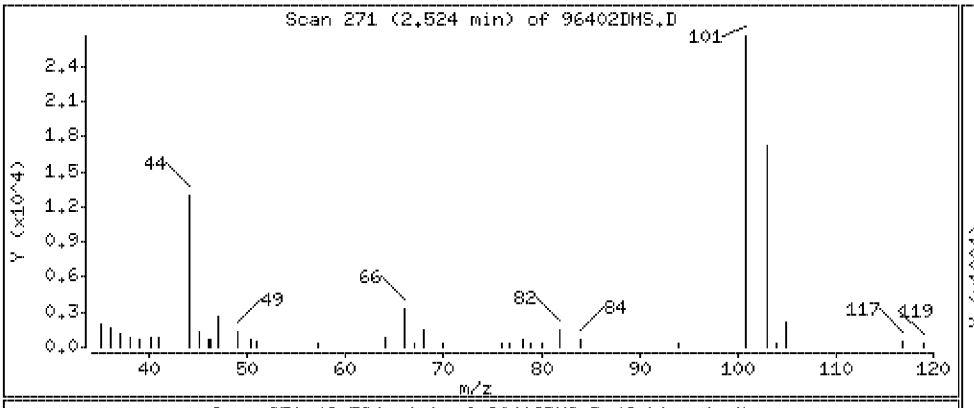
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

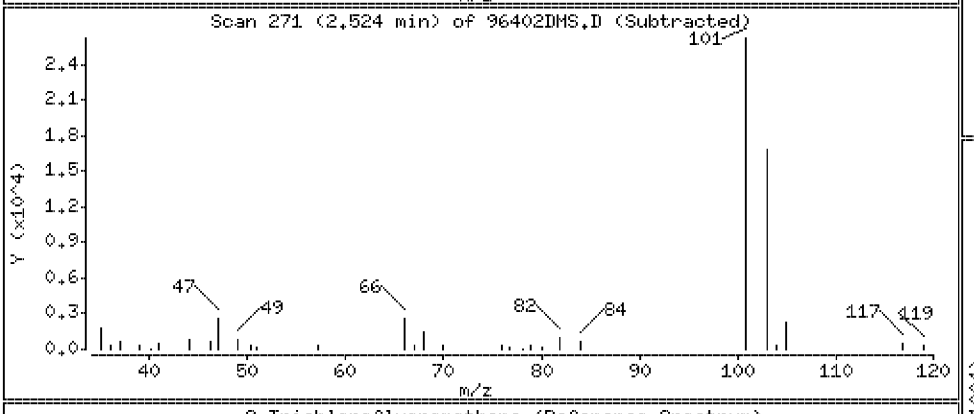
Sample Info: 250696402;2506964;5;

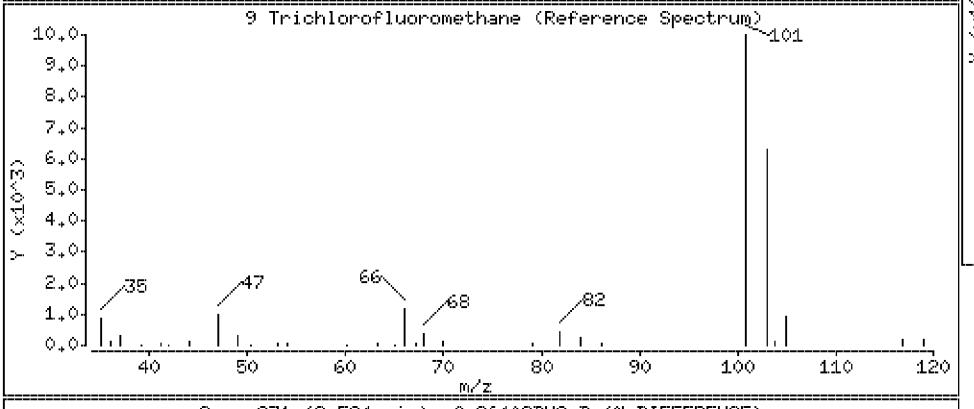
Purge Volume: 5.0 Operator:

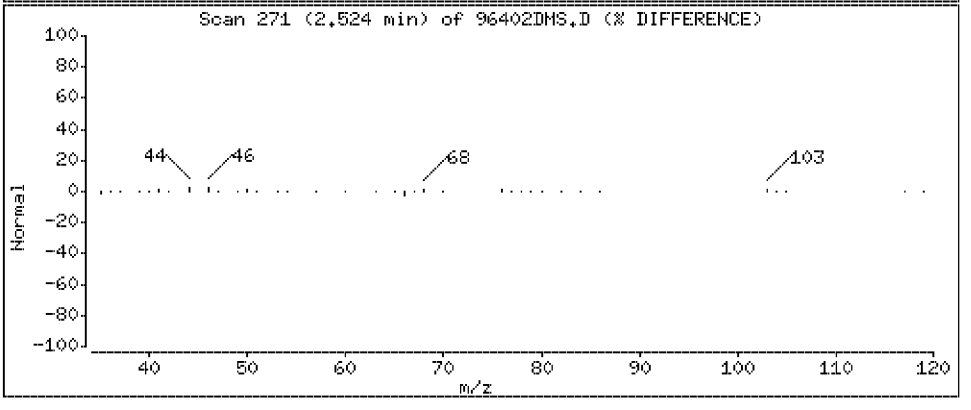
Column phase: DB-624 Column diameter: 0.18

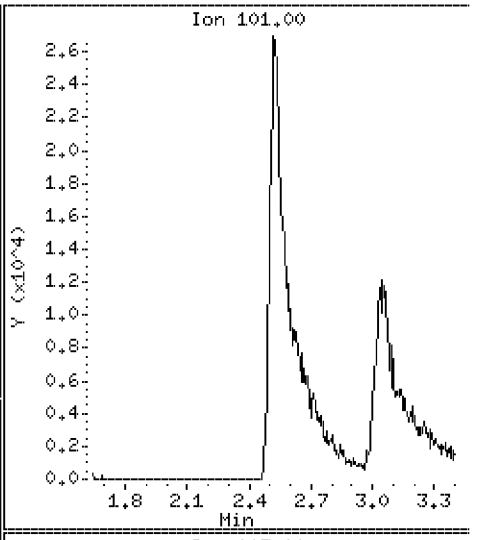
9 Trichlorofluoromethane Concentration: 91.5 ug/l

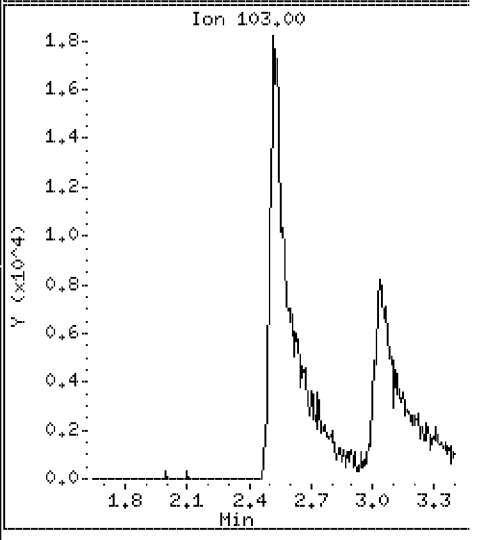












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Date : 15-JUN-2007 11:05

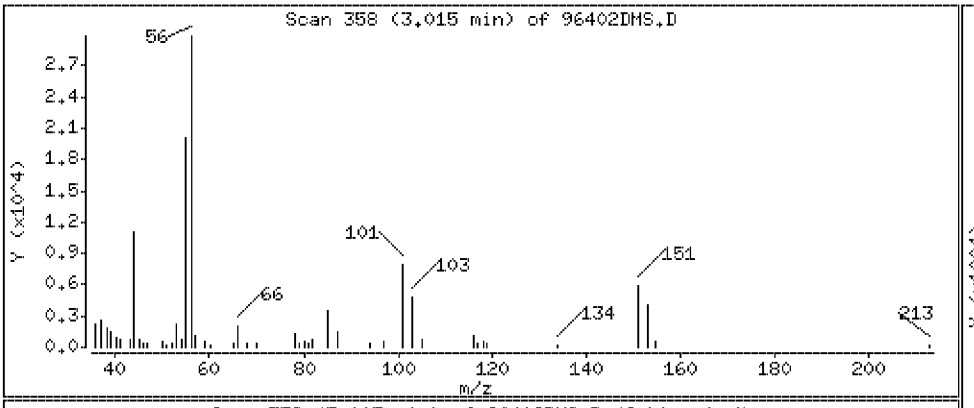
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

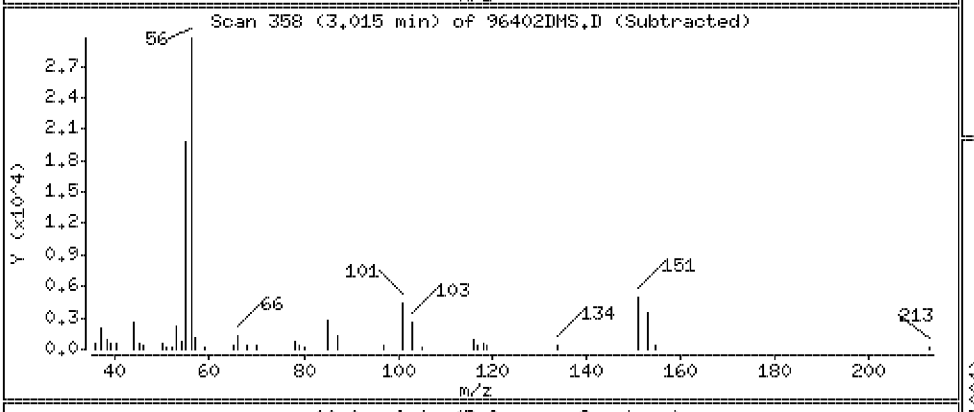
Sample Info: 250696402;2506964;5;

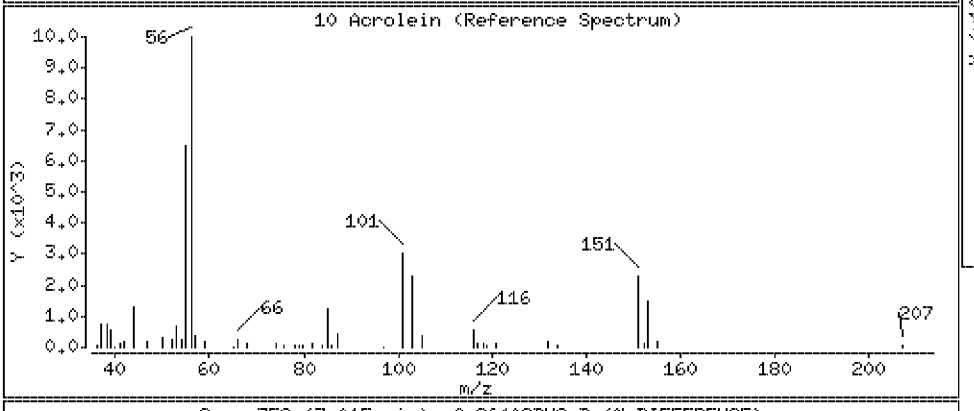
Purge Volume: 5.0 Operator:

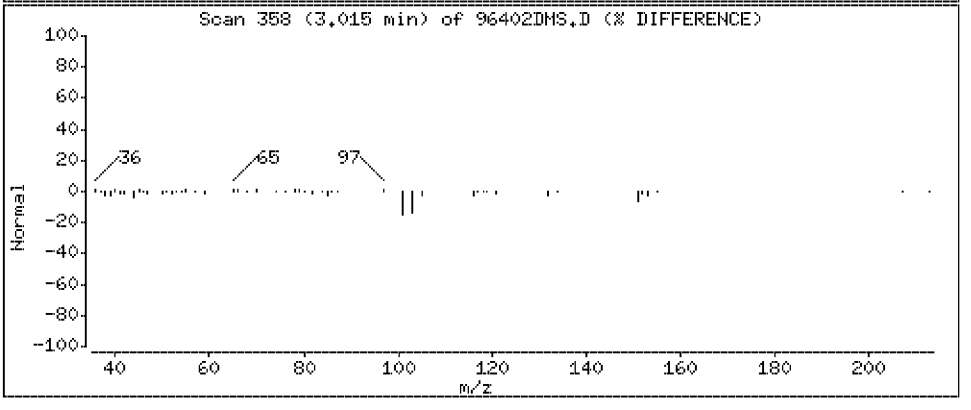
Column phase: DB-624 Column diameter: 0.18

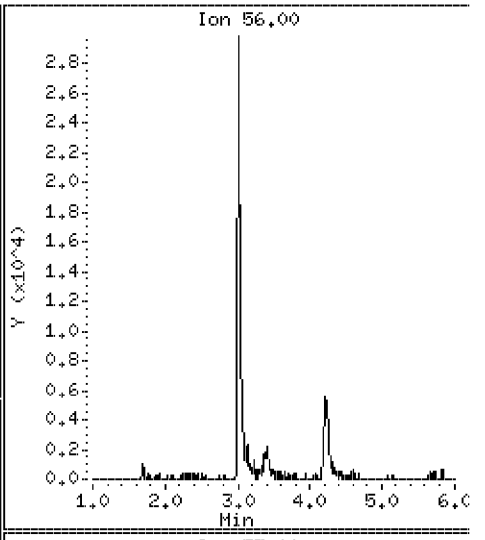
10 Acrolein Concentration: 314 ug/l

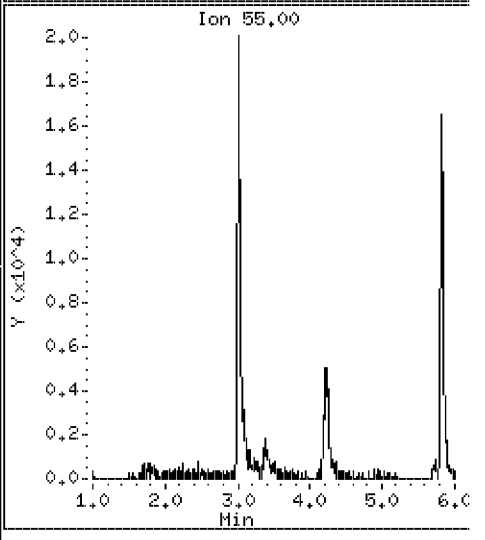












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Date : 15-JUN-2007 11:05

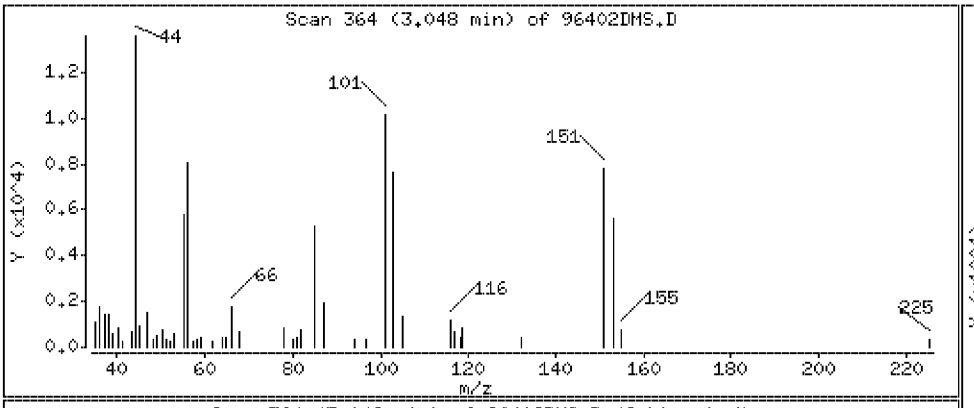
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

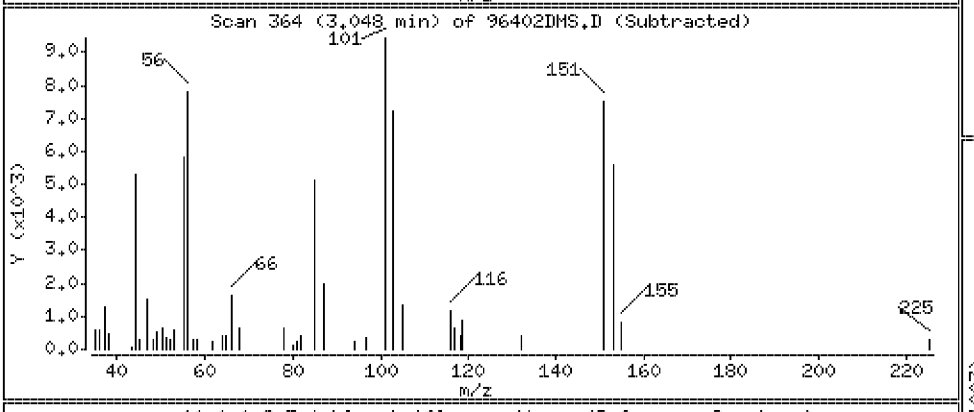
Sample Info: 250696402;2506964;5;

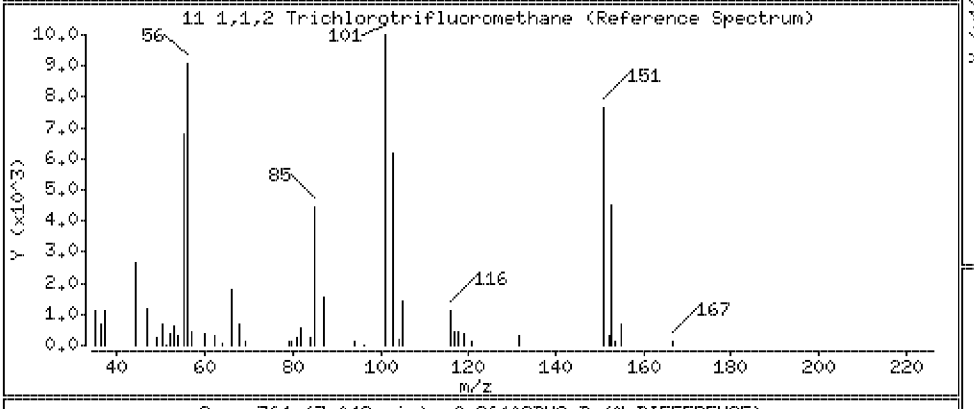
Purge Volume: 5.0 Operator:

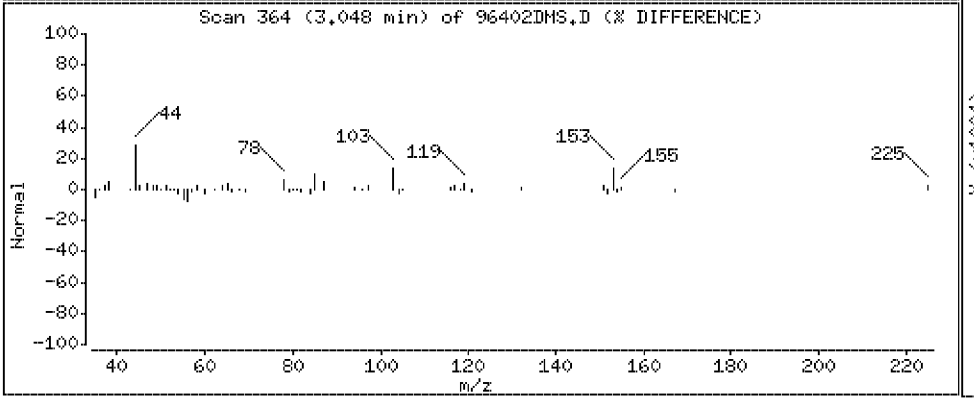
Column phase: DB-624 Column diameter: 0.18

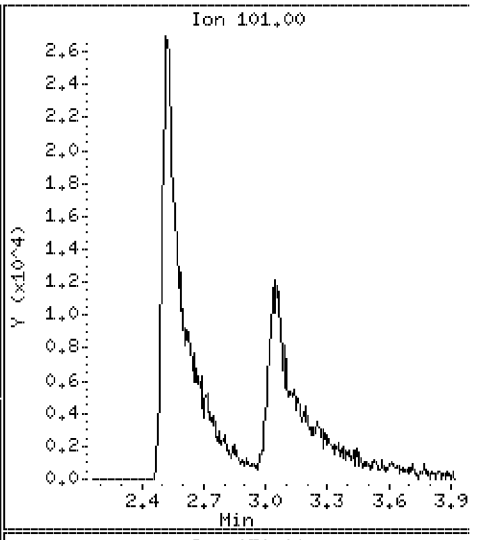
11 1,1,2 Trichlorotrifluoromethane Concentration: 92.9 ug/l

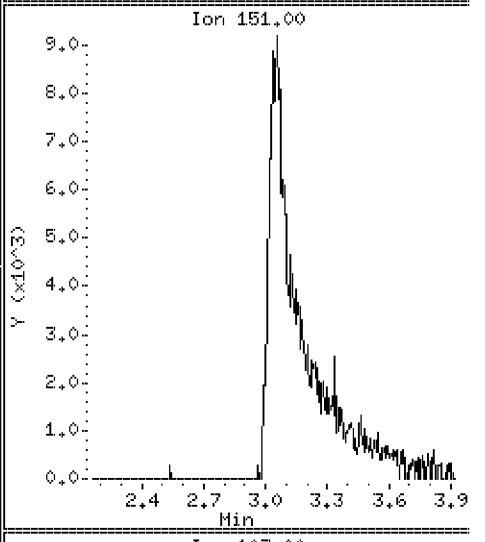


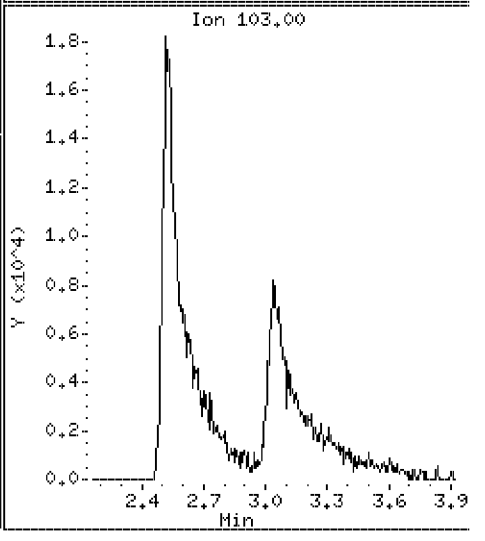












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Date : 15-JUN-2007 11:05

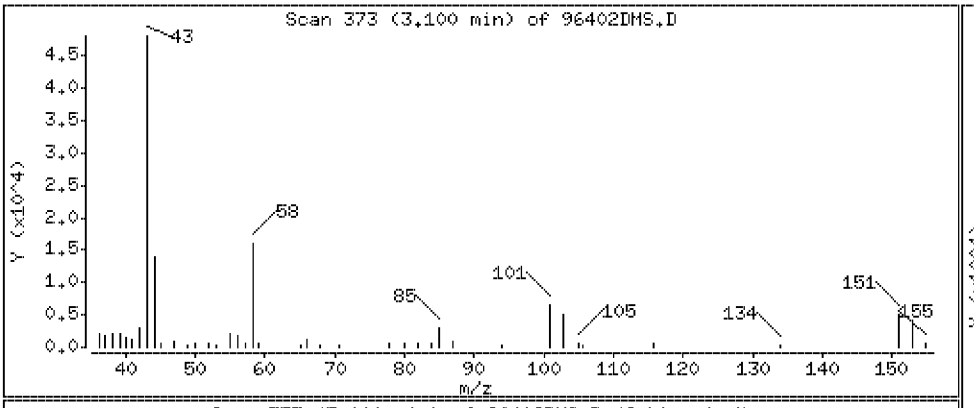
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

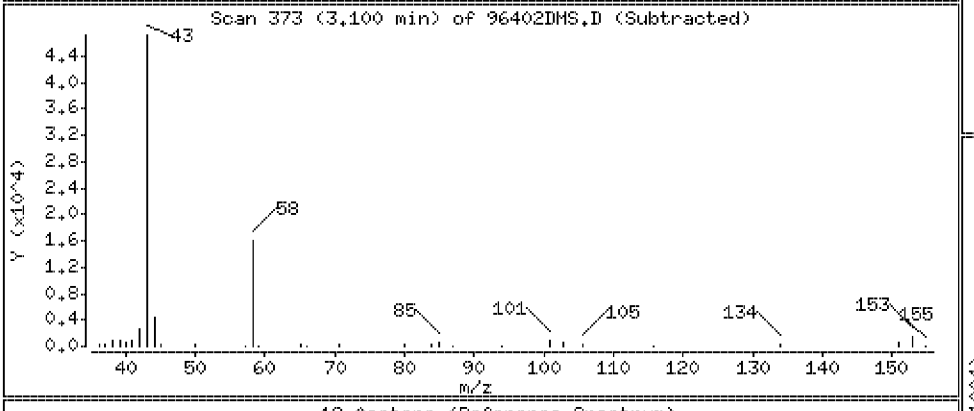
Sample Info: 250696402;2506964;5;

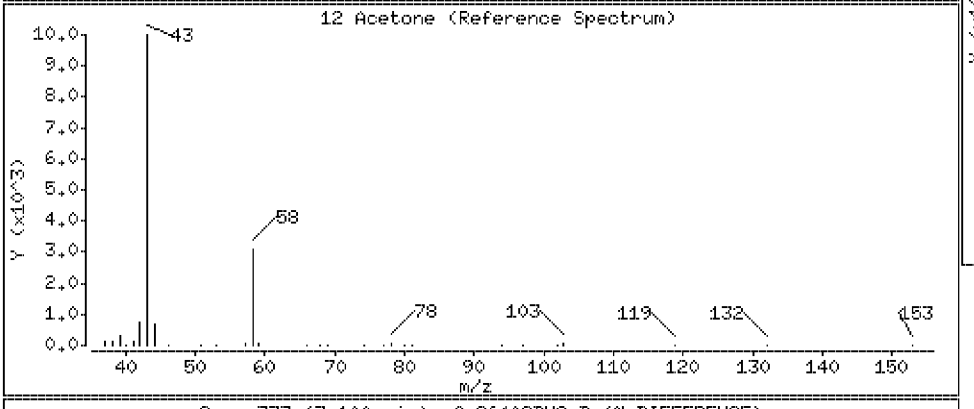
Purge Volume: 5.0 Operator:

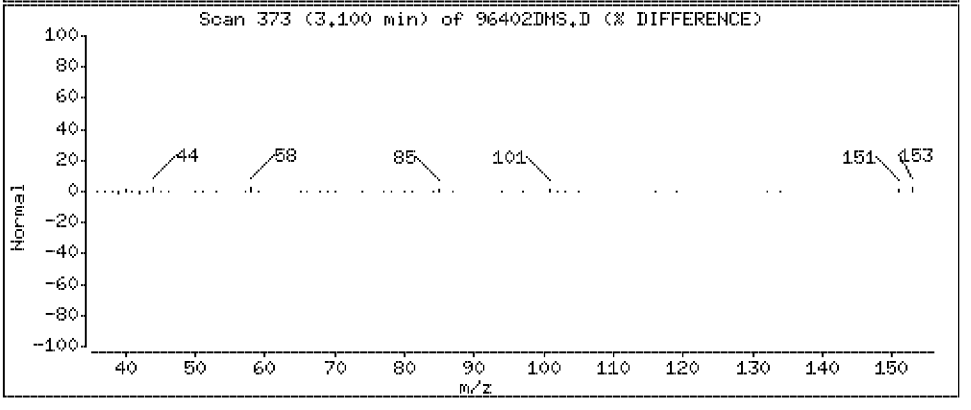
Column phase: DB-624 Column diameter: 0.18

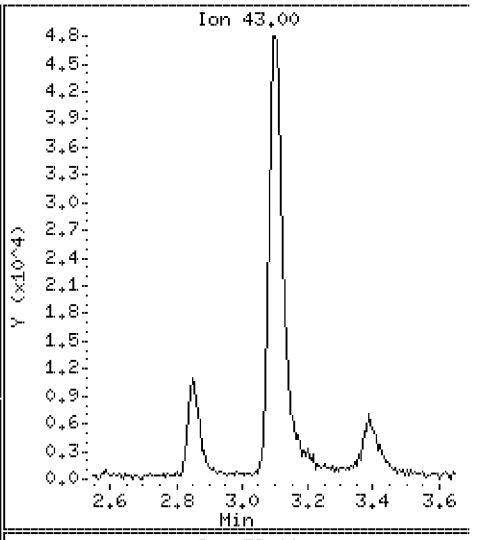
12 Acetone Concentration: 257 ug/l

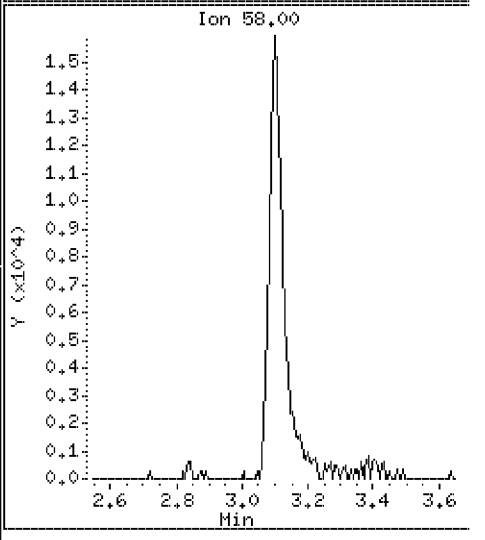












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Date : 15-JUN-2007 11:05

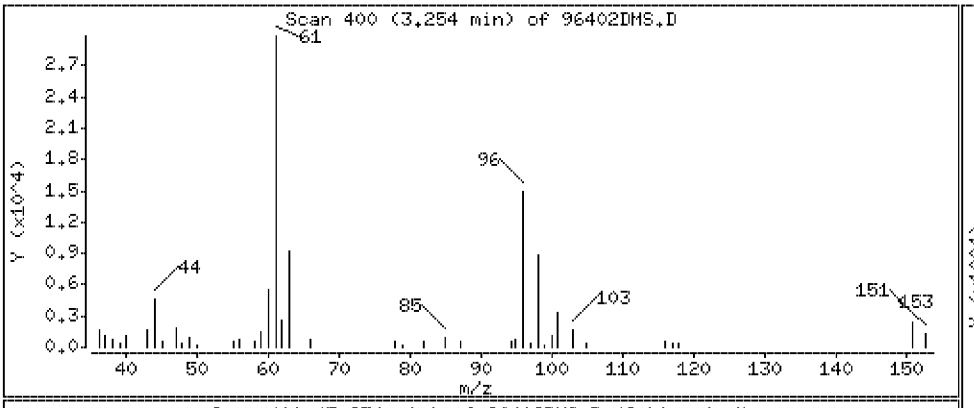
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

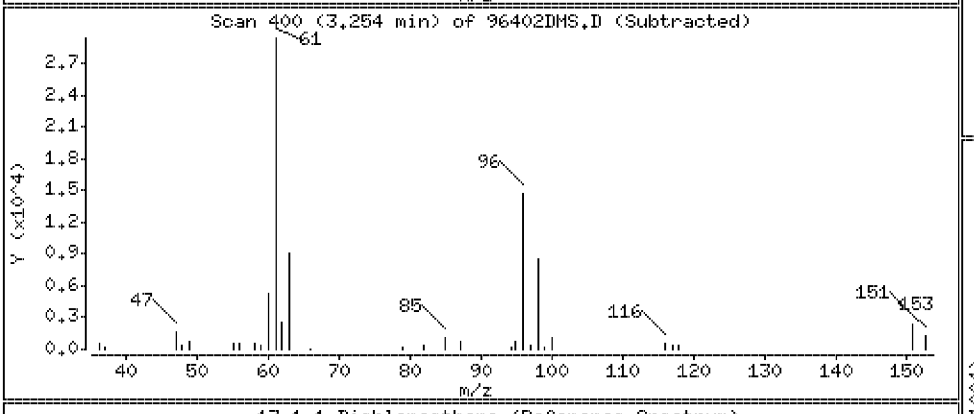
Sample Info: 250696402;2506964;5;

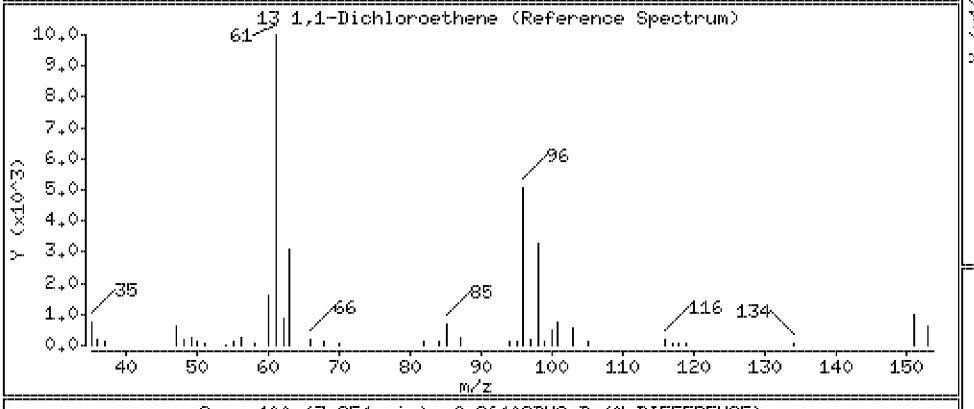
Purge Volume: 5.0 Operator:

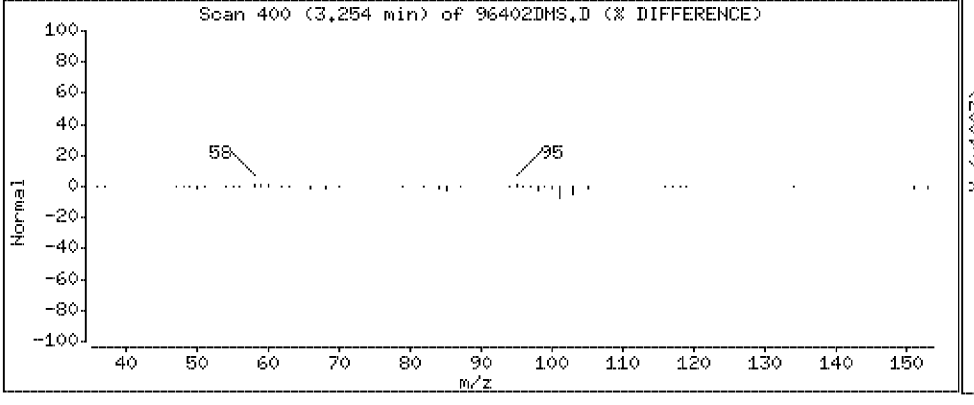
Column phase: DB-624 Column diameter: 0.18

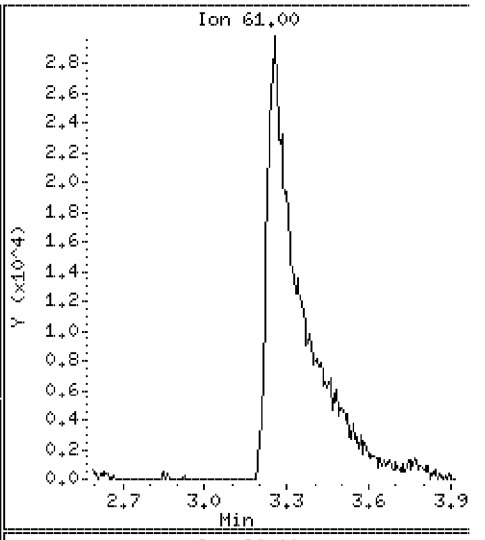
13 1,1-Dichloroethene Concentration: 98.9 ug/l

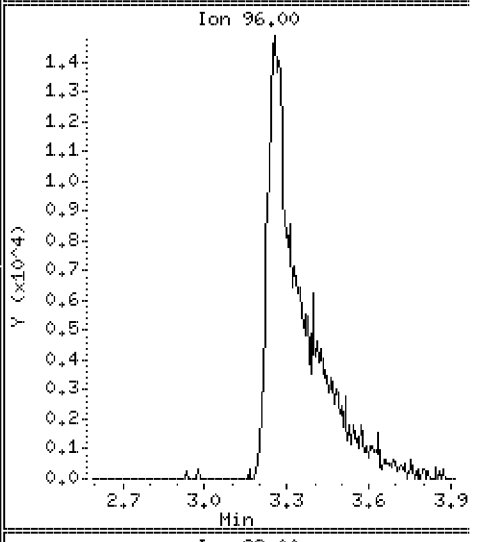


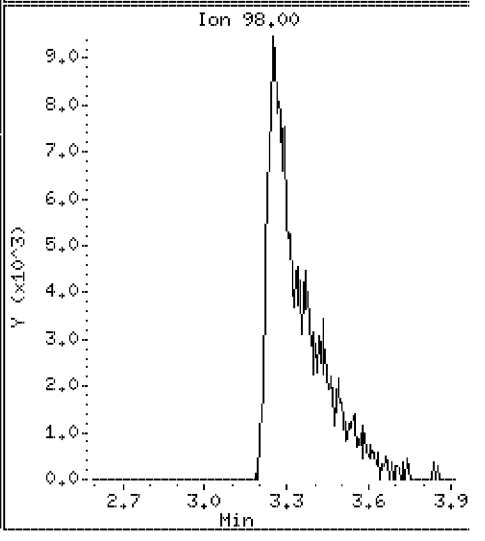












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Date : 15-JUN-2007 11:05

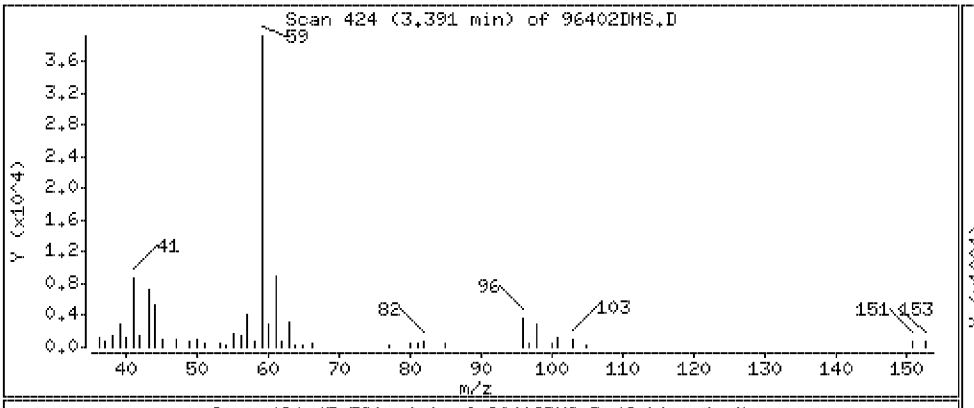
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

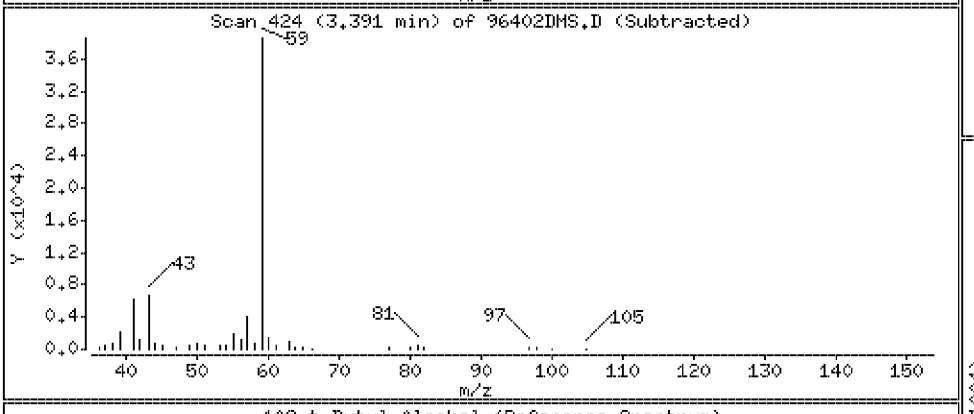
Sample Info: 250696402;2506964;5;

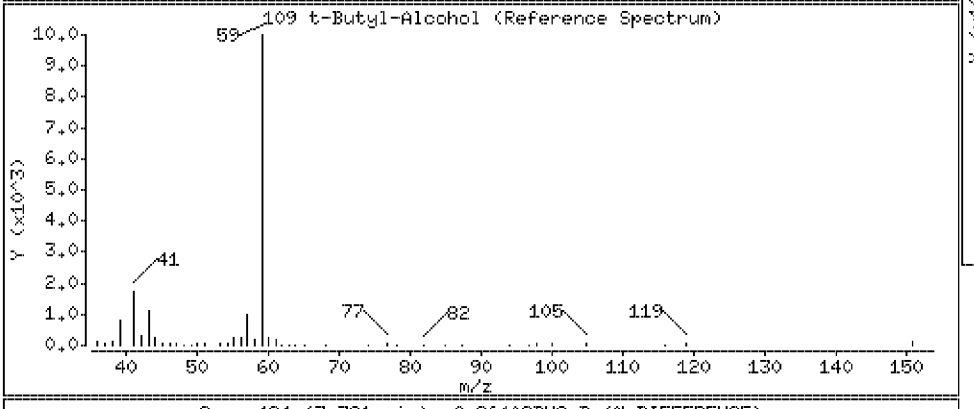
Purge Volume: 5.0 Operator:

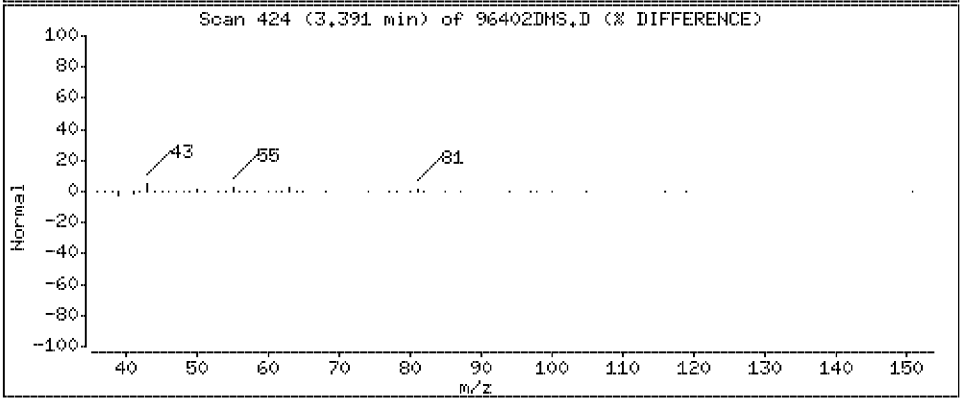
Column phase: DB-624 Column diameter: 0.18

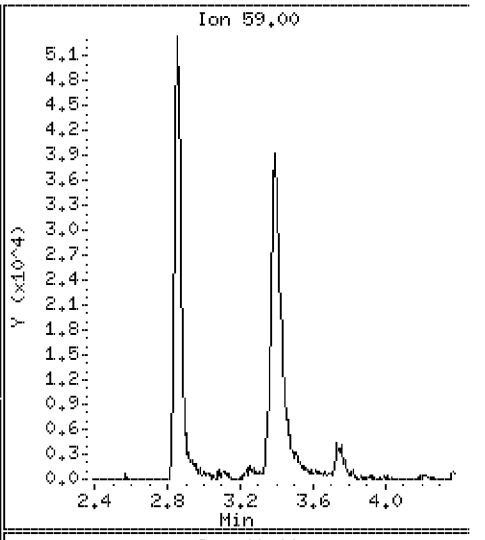
109 t-Butyl-Alcohol Concentration: 1090 ug/l

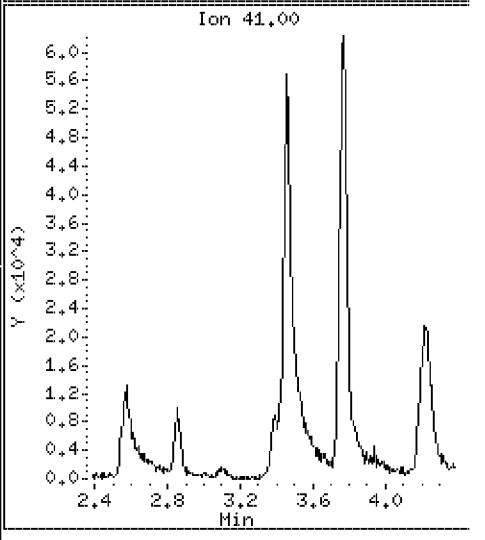












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Date : 15-JUN-2007 11:05

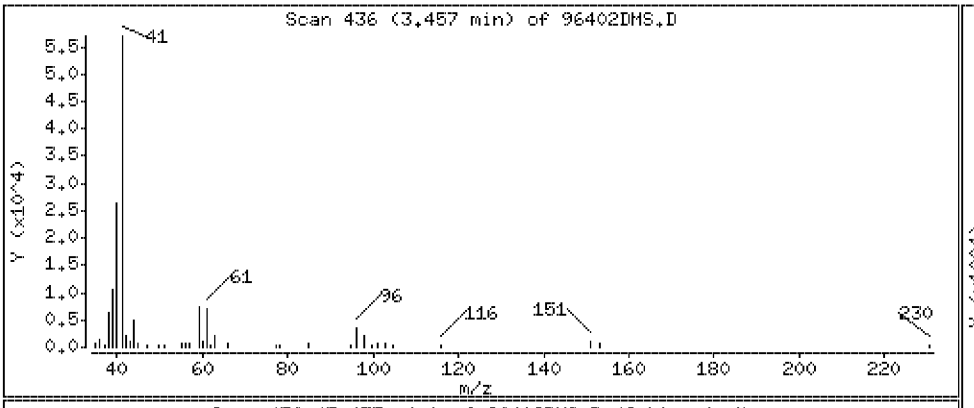
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

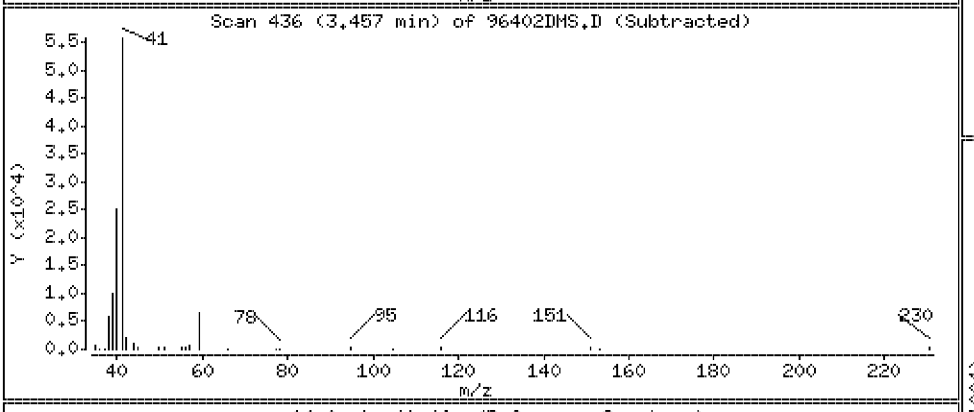
Sample Info: 250696402;2506964;5;

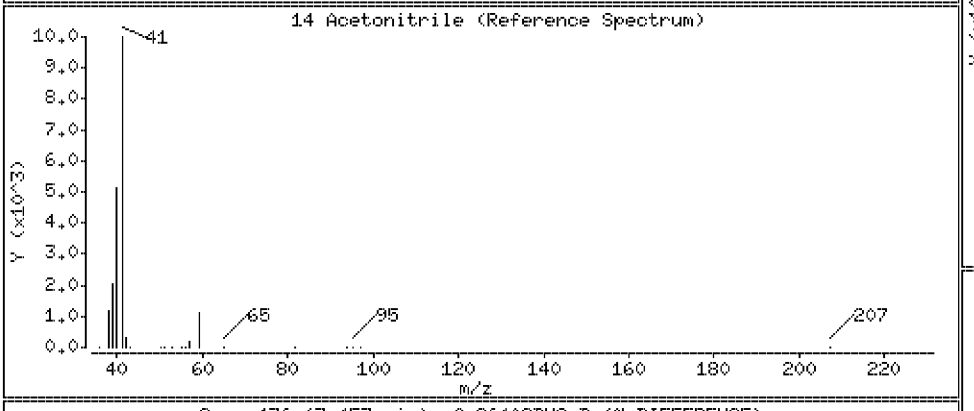
Purge Volume: 5.0 Operator:

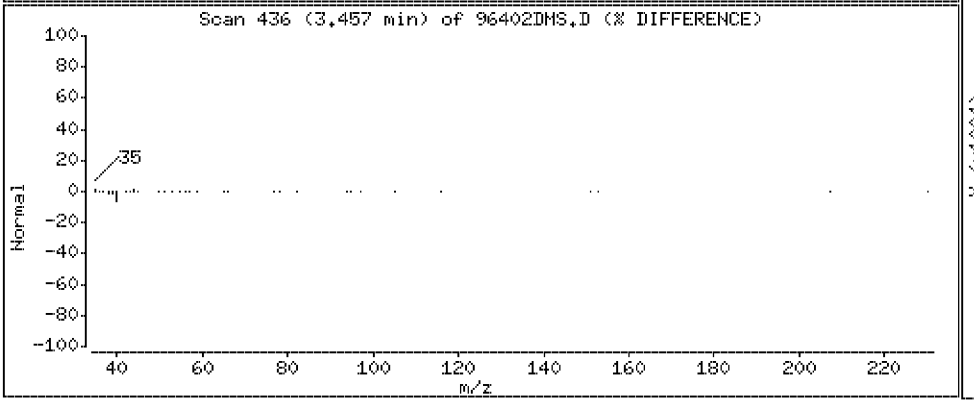
Column phase: DB-624 Column diameter: 0.18

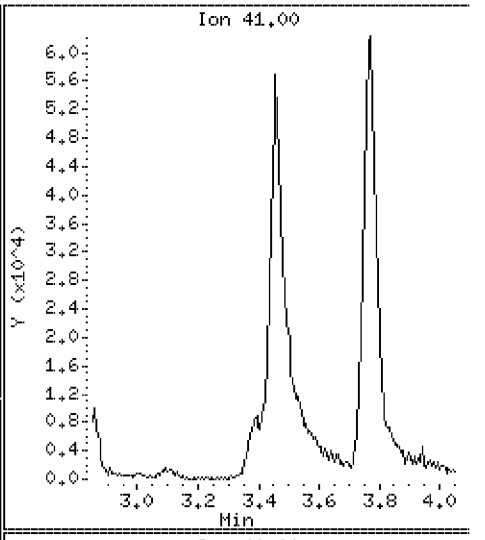
14 Acetonitrile Concentration: 962 ug/l

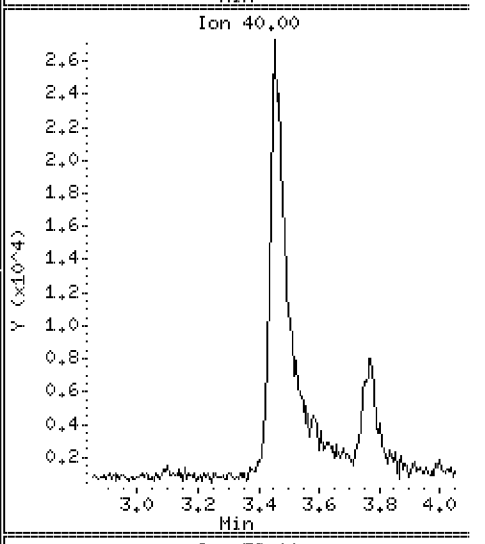


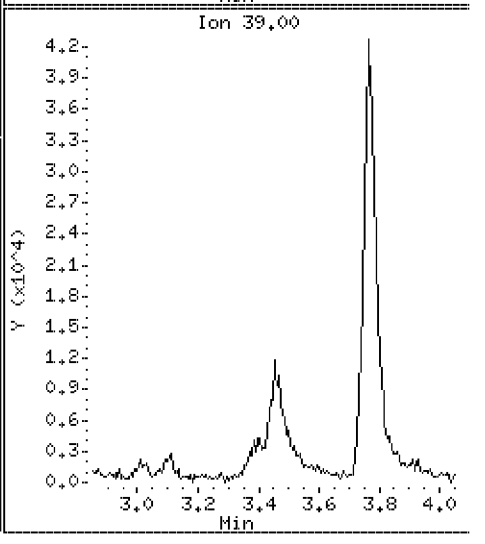












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Date : 15-JUN-2007 11:05

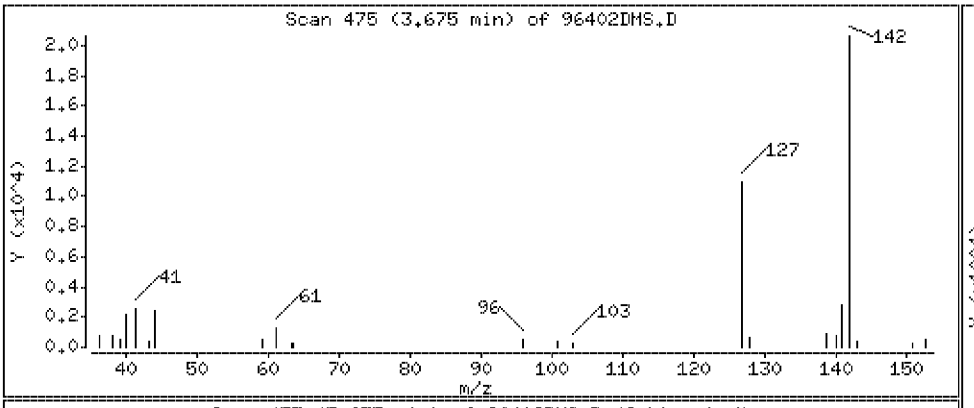
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

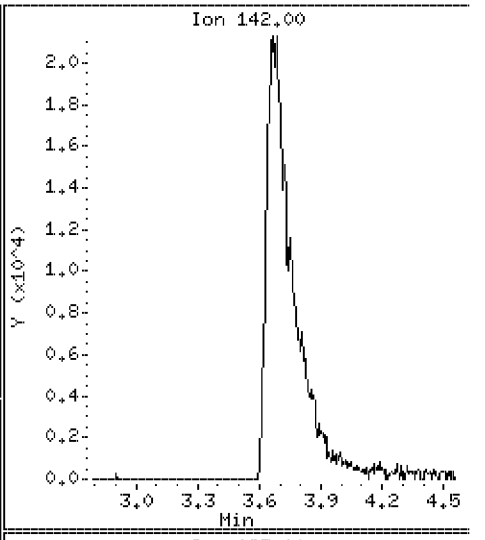
Sample Info: 250696402;2506964;5;

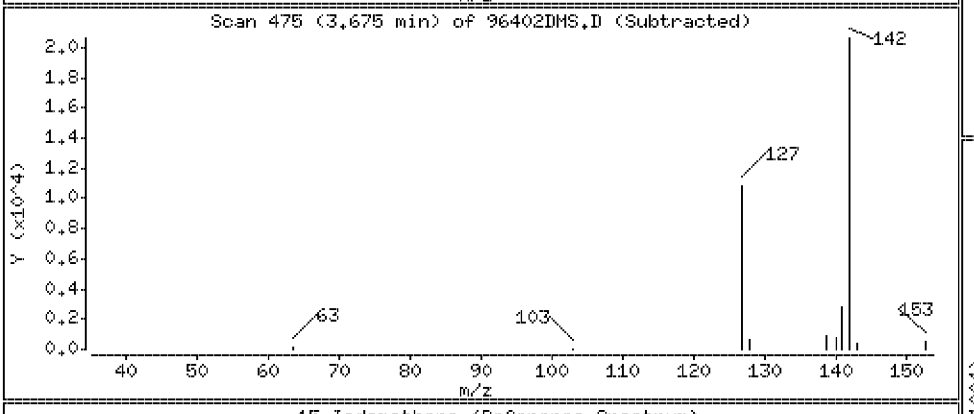
Purge Volume: 5.0 Operator:

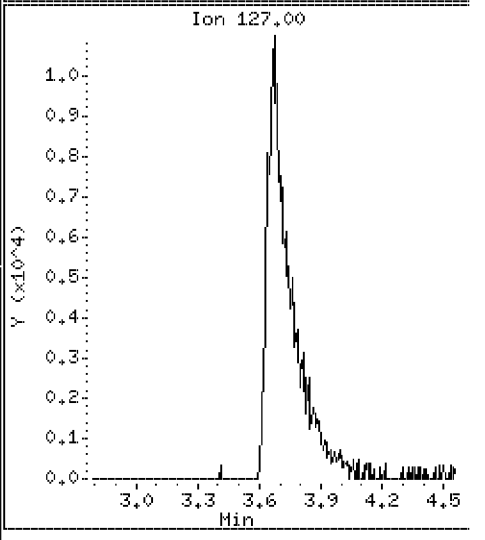
Column phase: DB-624 Column diameter: 0.18

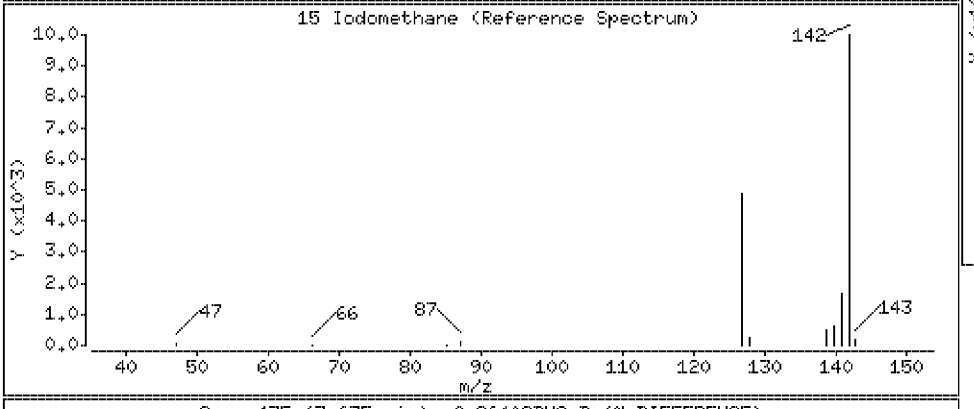
15 Iodomethane Concentration: 99.8 ug/l

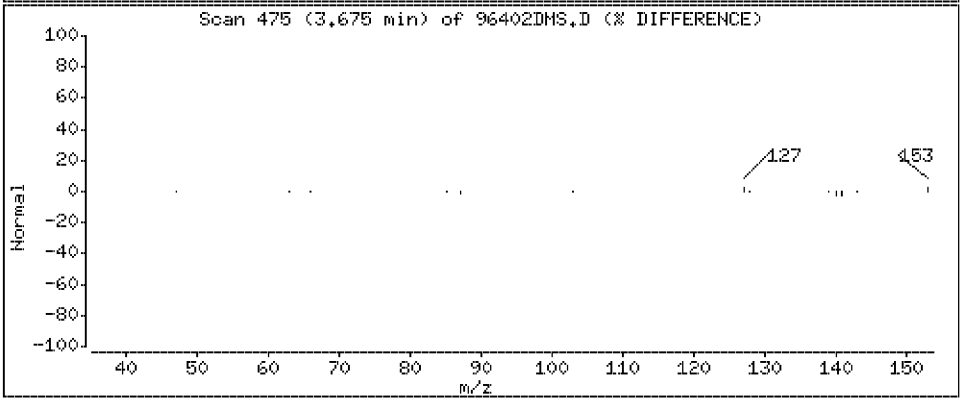












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Date : 15-JUN-2007 11:05

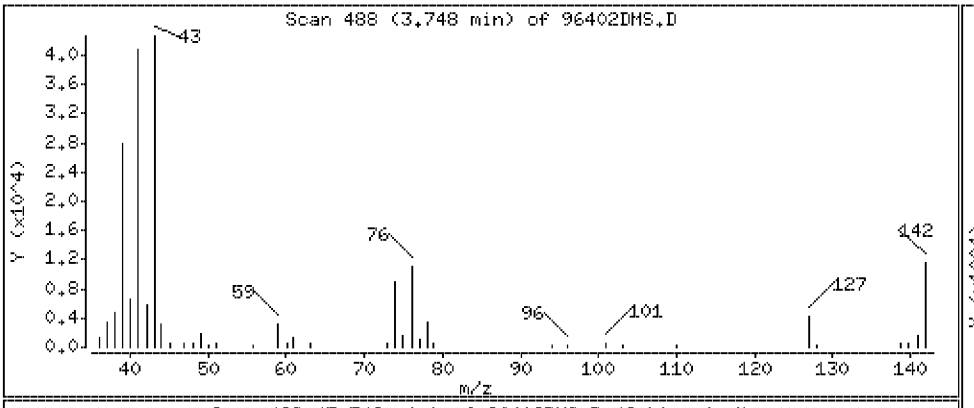
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

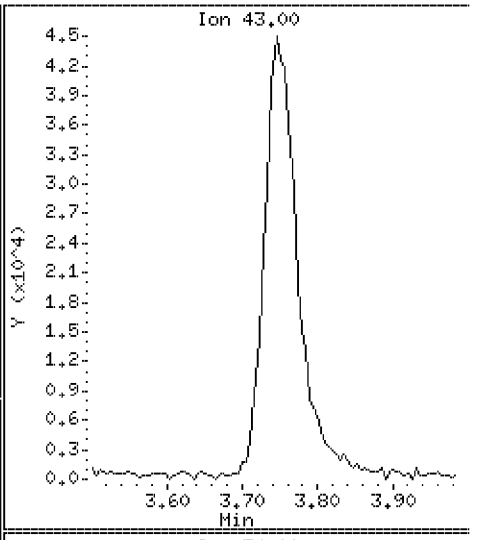
Sample Info: 250696402;2506964;5;

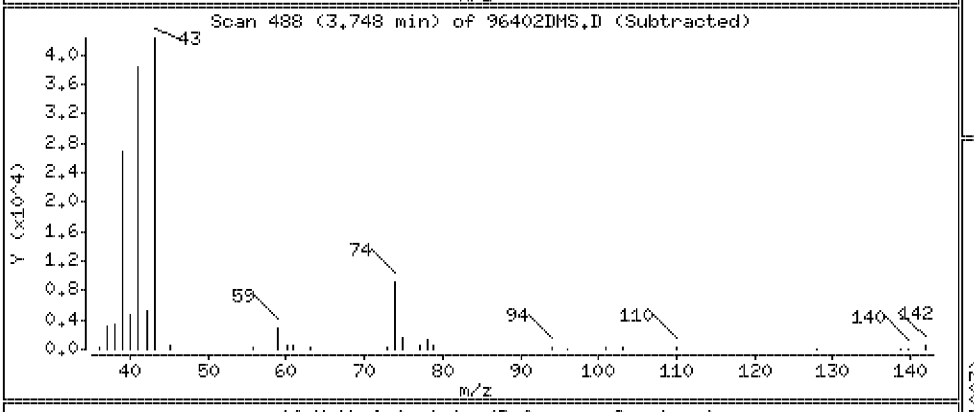
Purge Volume: 5.0 Operator:

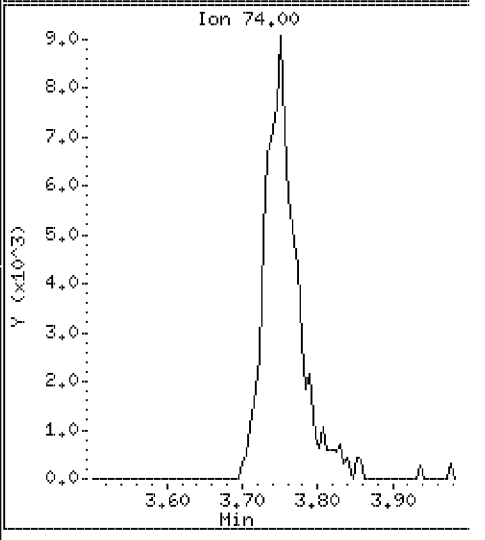
Column phase: DB-624 Column diameter: 0.18

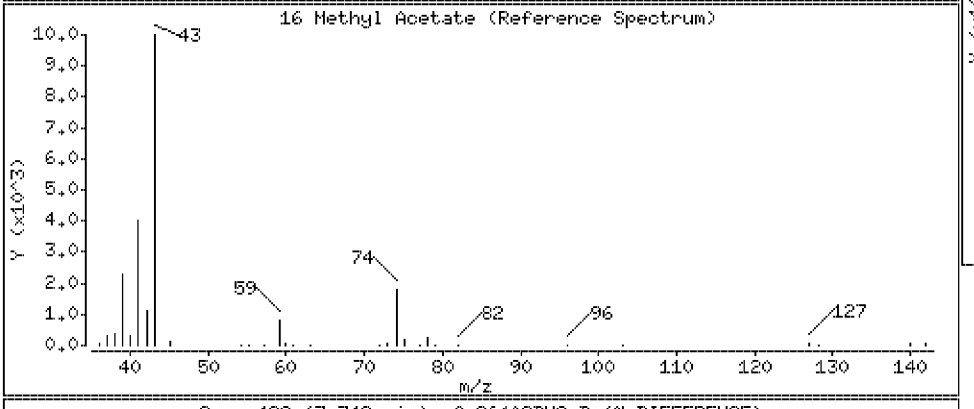
16 Methyl Acetate Concentration: 101 ug/l

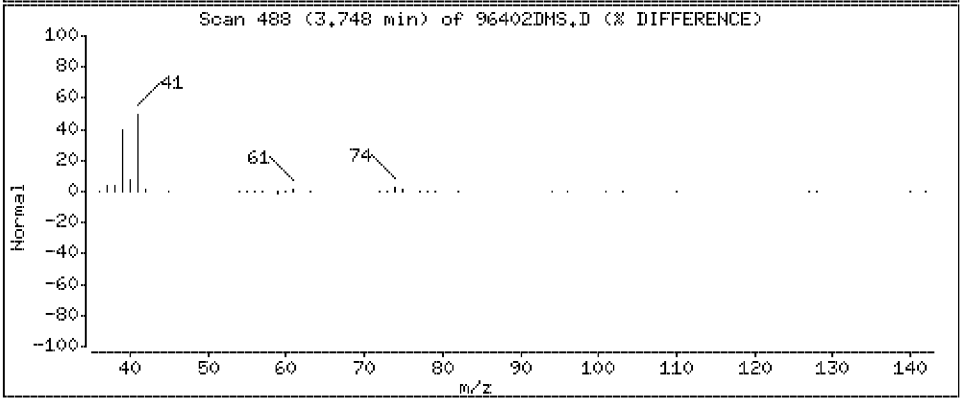












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Date : 15-JUN-2007 11:05

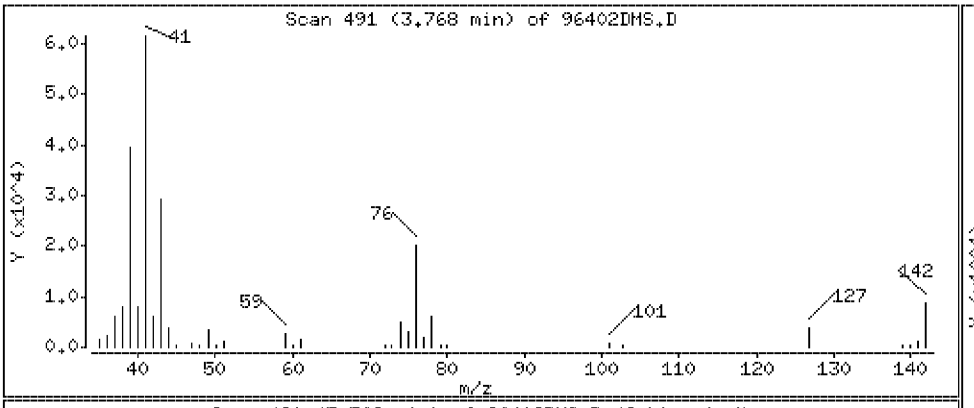
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

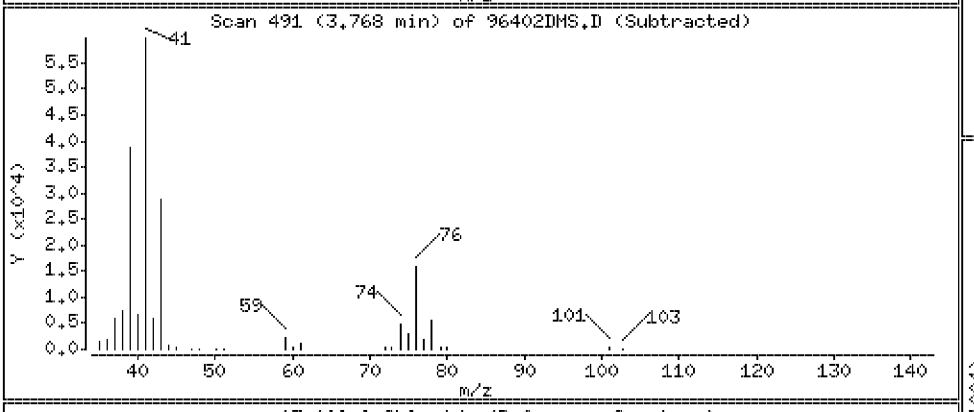
Sample Info: 250696402;2506964;5;

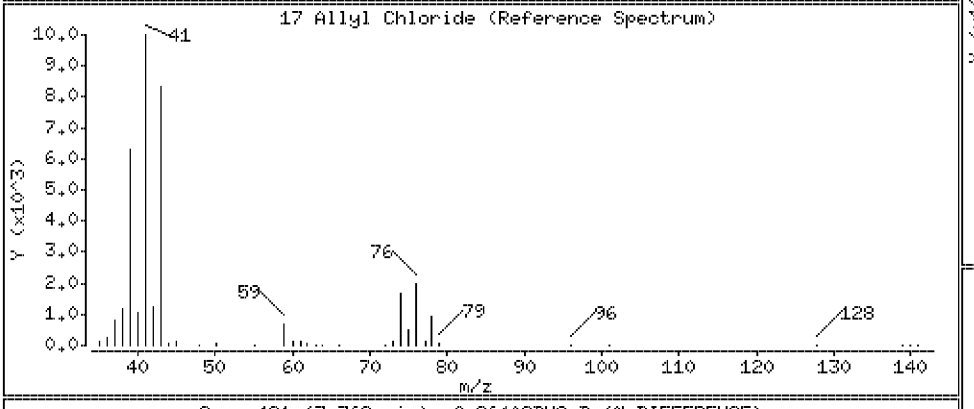
Purge Volume: 5.0 Operator:

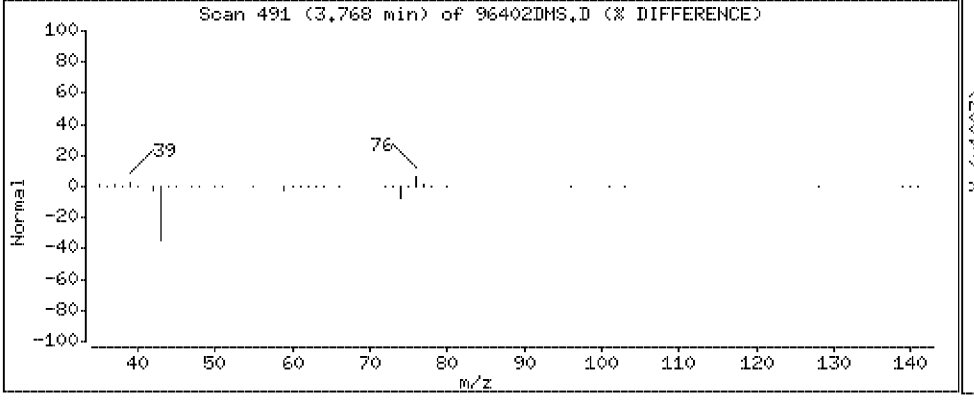
Column phase: DB-624 Column diameter: 0.18

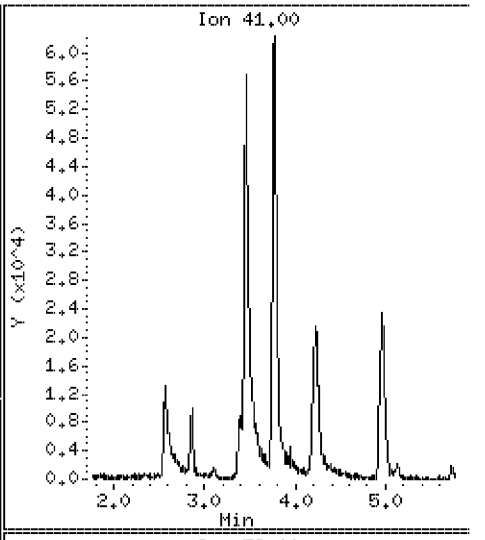
17 Allyl Chloride Concentration: 97.7 ug/l

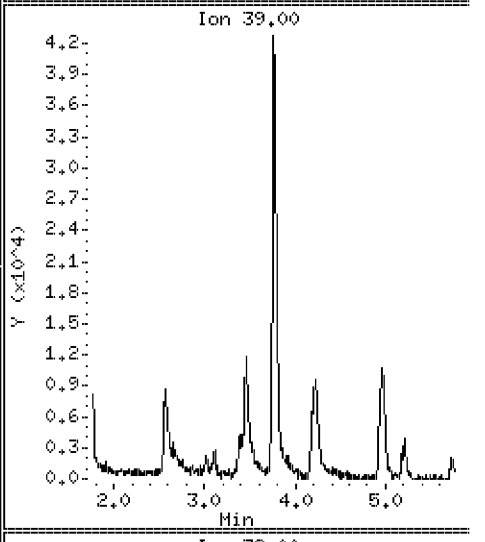


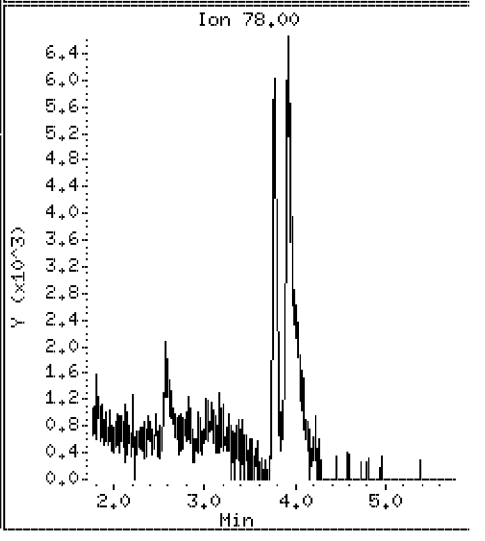












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Date : 15-JUN-2007 11:05

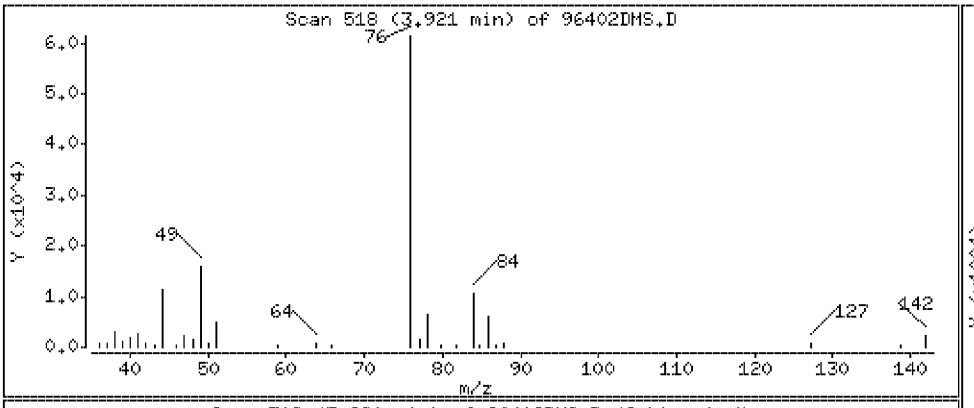
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

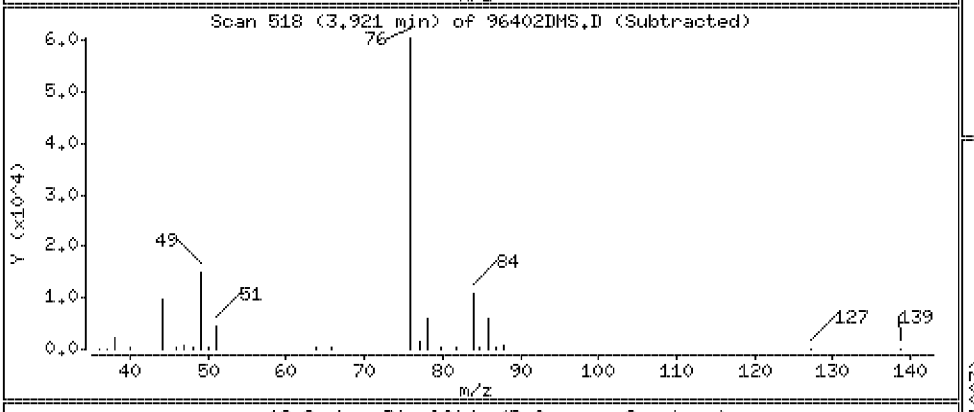
Sample Info: 250696402;2506964;5;

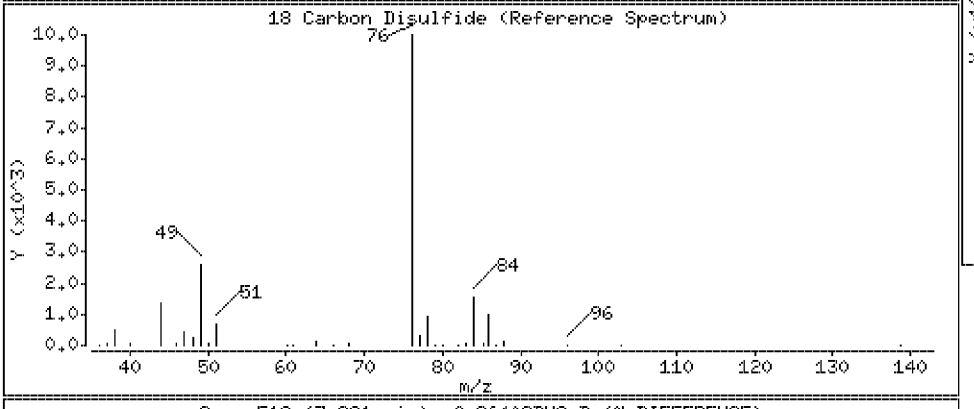
Purge Volume: 5.0 Operator:

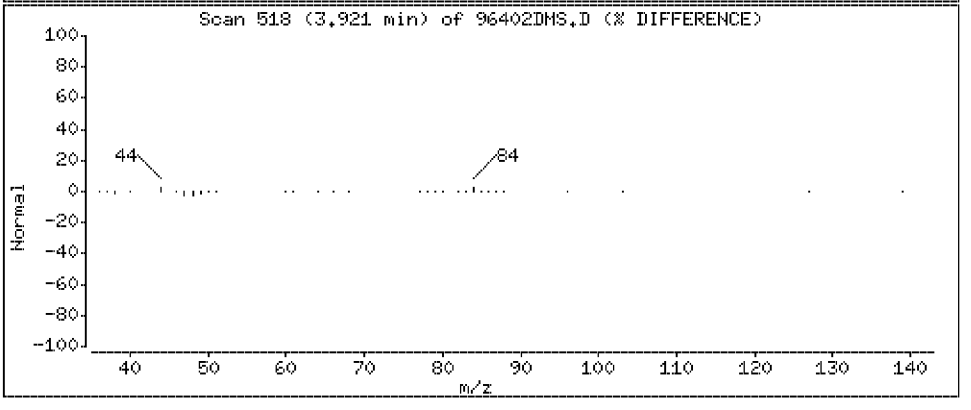
Column phase: DB-624 Column diameter: 0.18

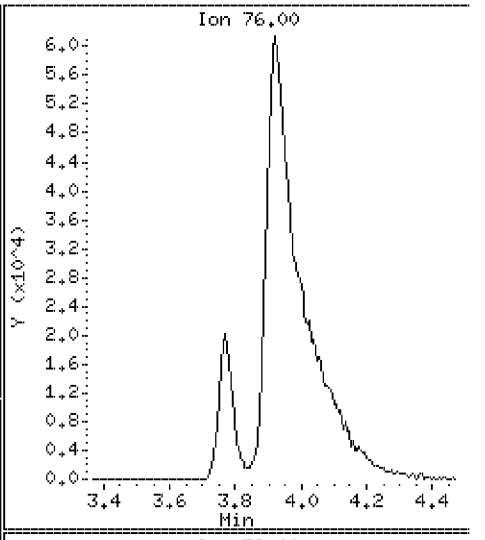
18 Carbon Disulfide Concentration: 99.9 ug/l

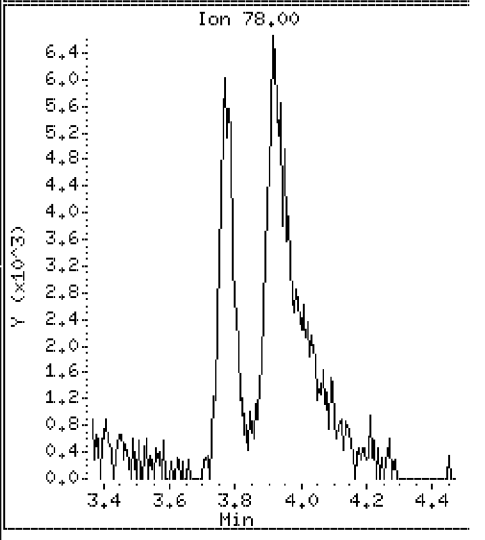












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Date : 15-JUN-2007 11:05

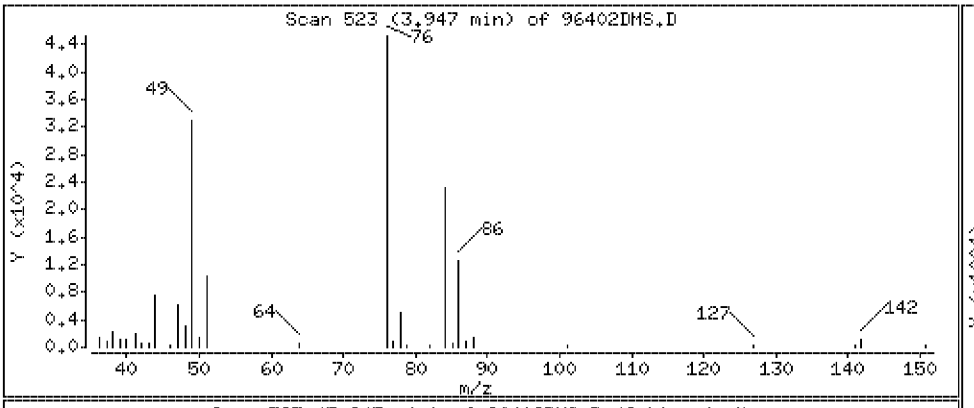
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

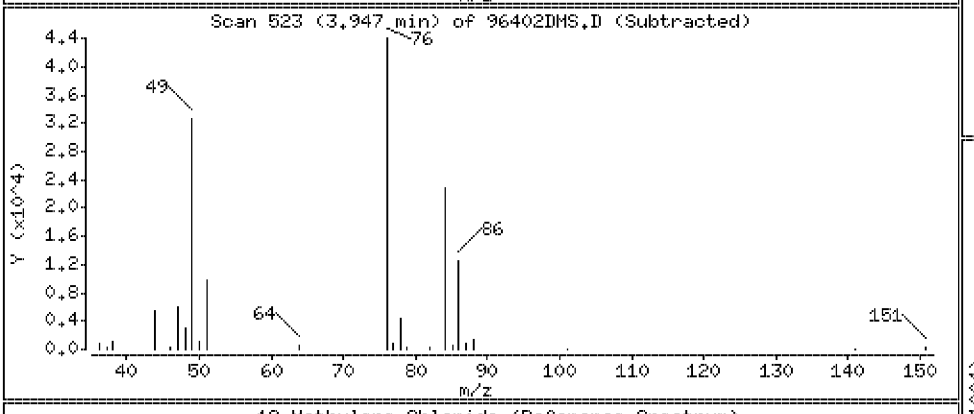
Sample Info: 250696402;2506964;5;

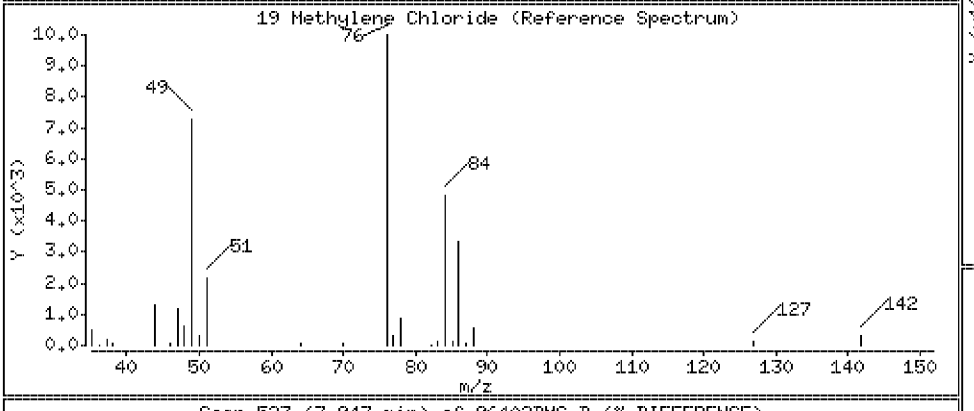
Purge Volume: 5.0 Operator:

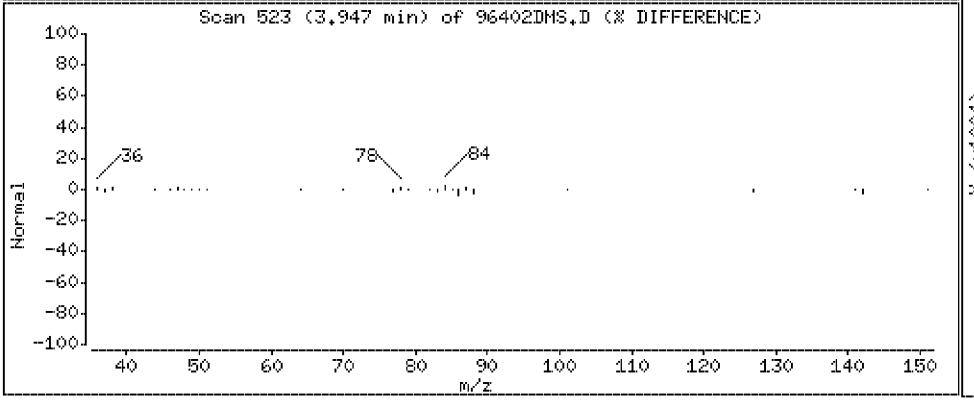
Column phase: DB-624 Column diameter: 0.18

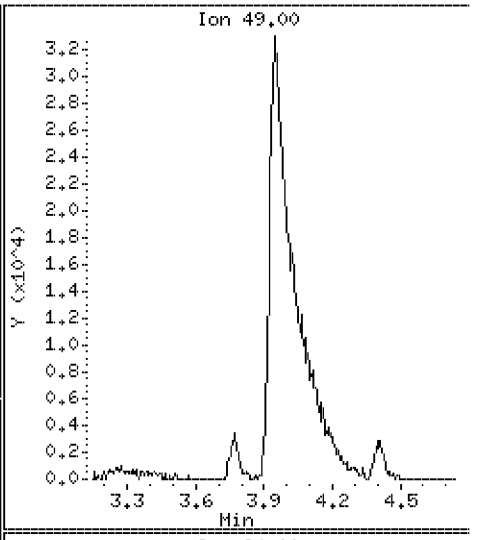
19 Methylene Chloride Concentration: 97.5 ug/l

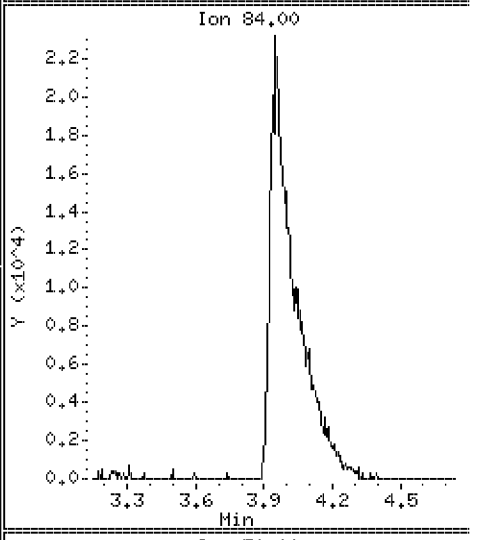


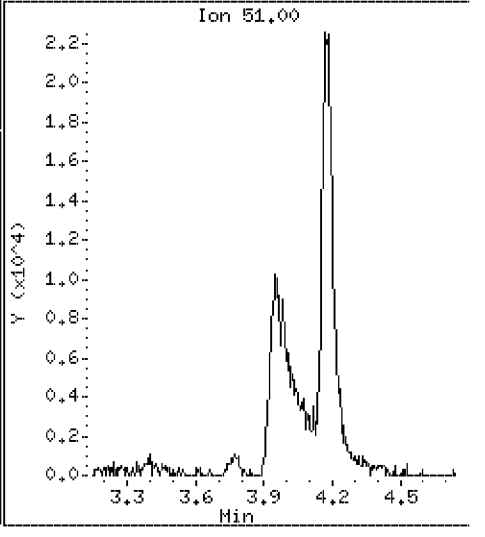












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

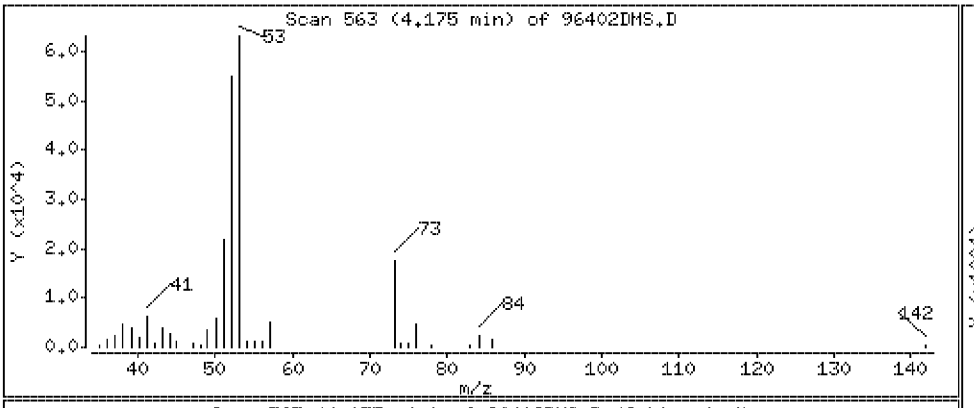
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

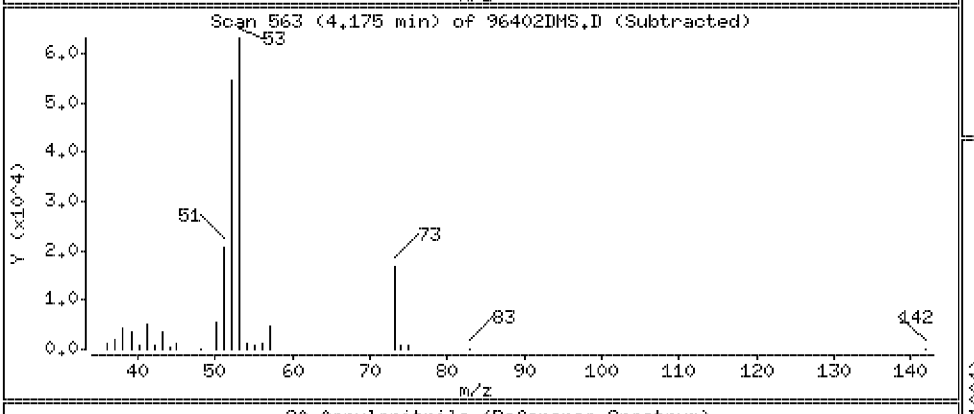
Sample Info: 250696402;2506964;5;

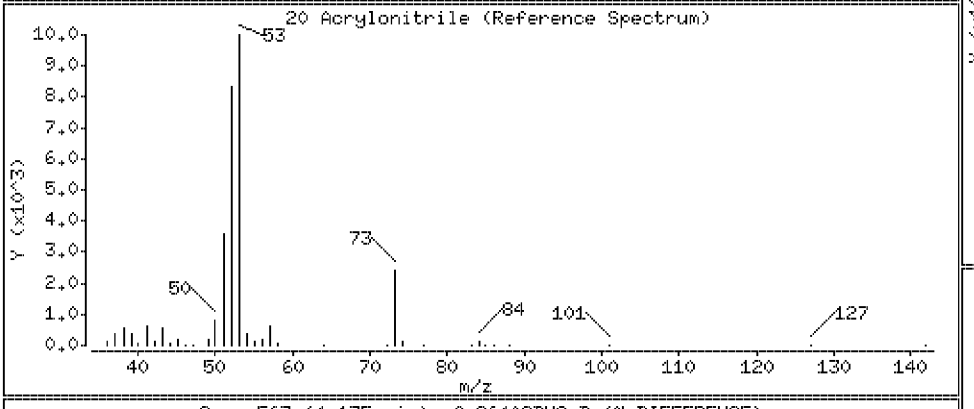
Purge Volume: 5.0 Operator:

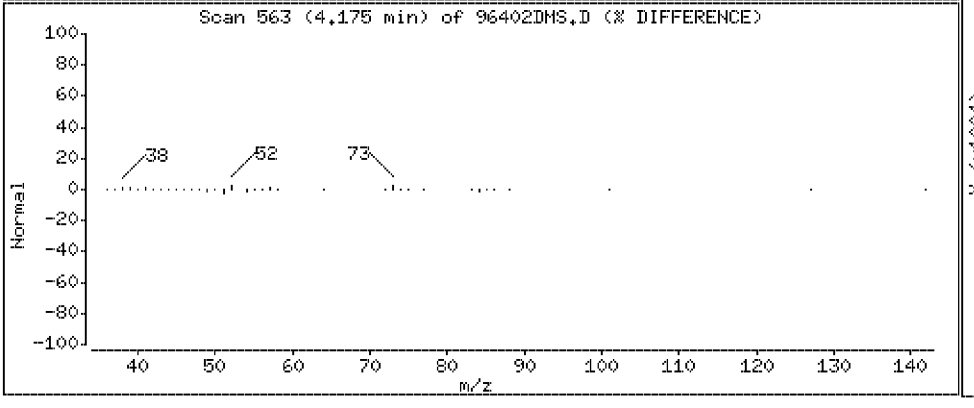
Column phase: DB-624 Column diameter: 0.18

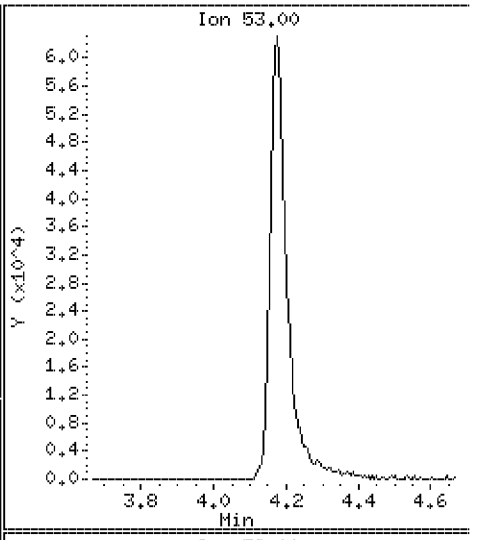
20 Acrylonitrile Concentration: 314 ug/l

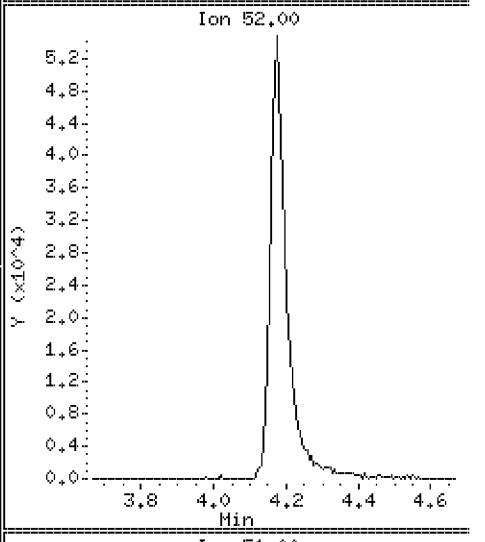


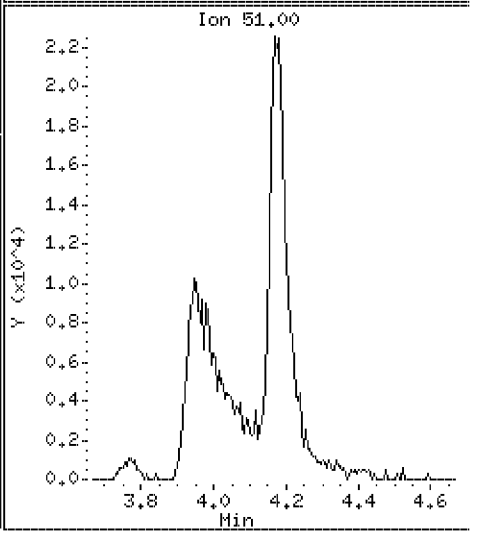












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

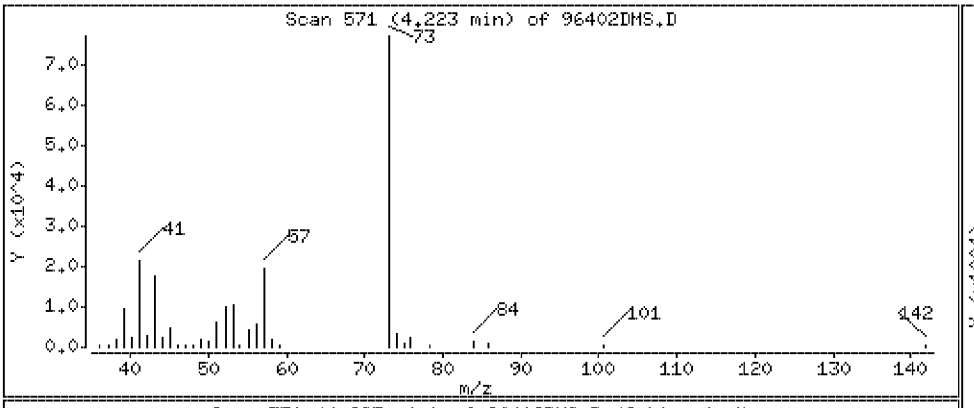
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

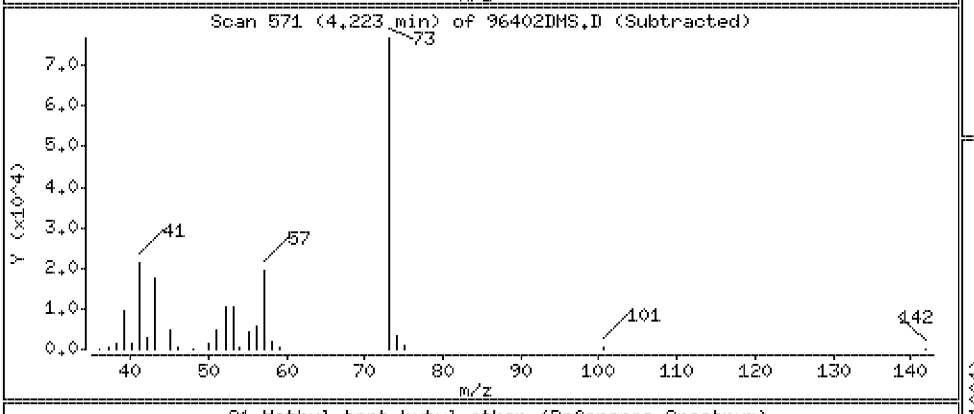
Sample Info: 250696402;2506964;5;

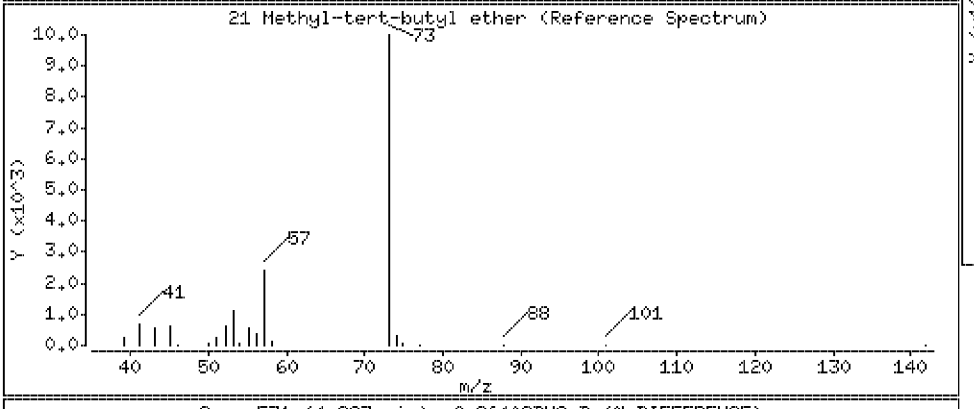
Purge Volume: 5.0 Operator:

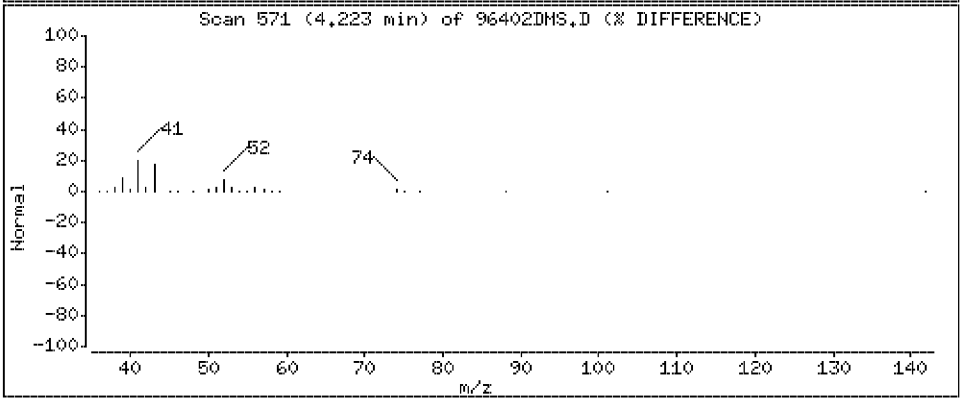
Column phase: DB-624 Column diameter: 0.18

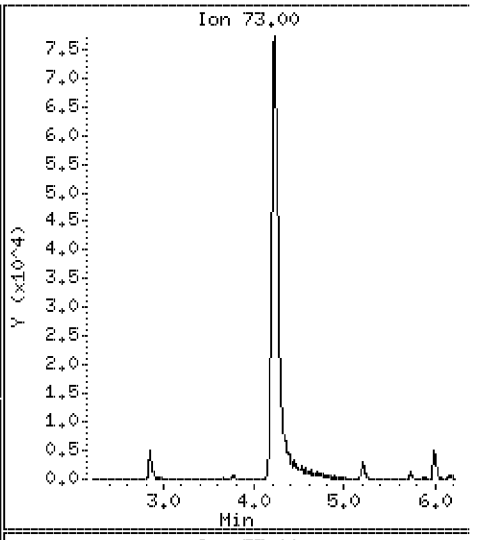
21 Methyl-tert-butyl ether Concentration: 105 ug/l

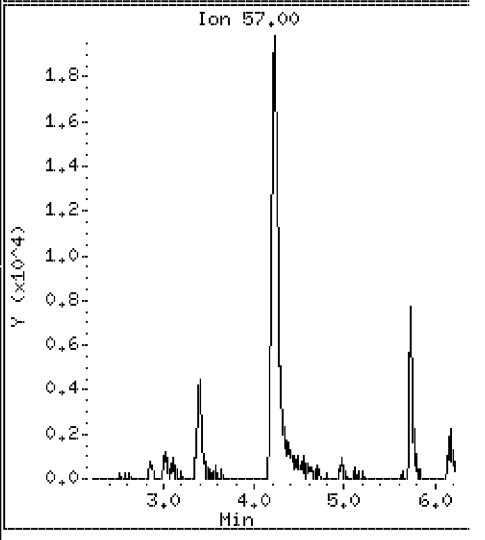












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Date : 15-JUN-2007 11:05

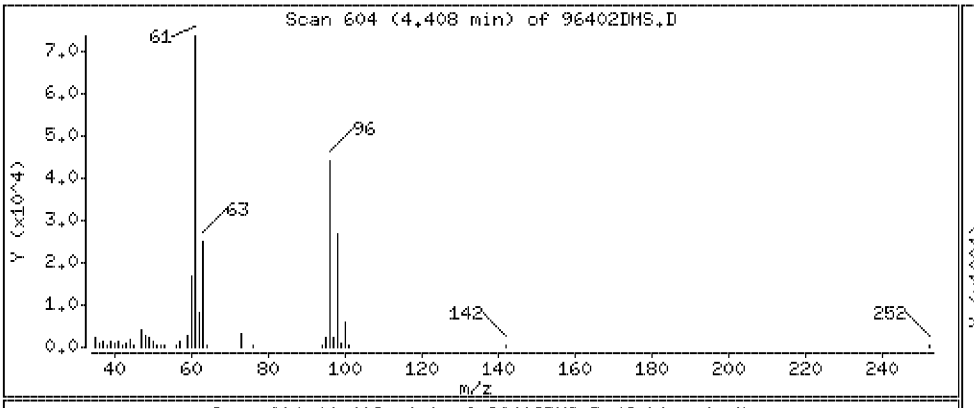
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

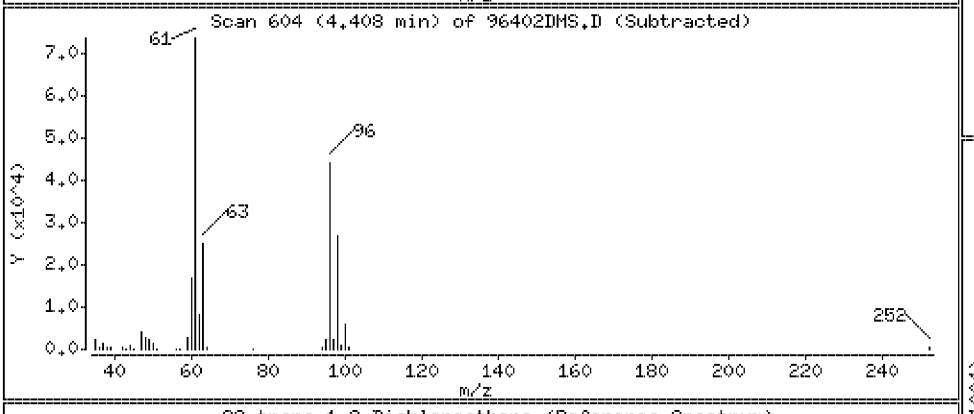
Sample Info: 250696402;2506964;5;

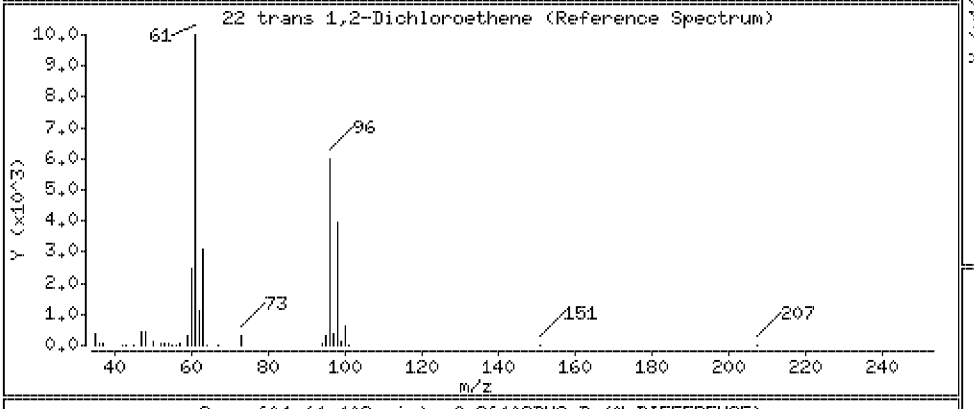
Purge Volume: 5.0 Operator:

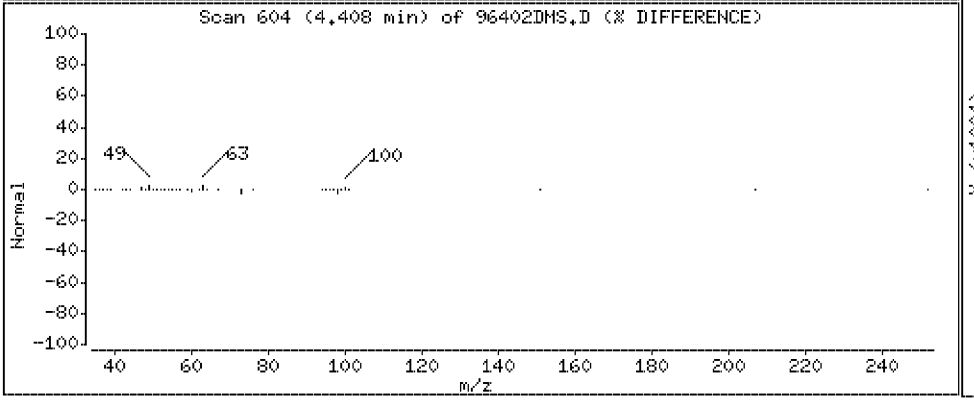
Column phase: DB-624 Column diameter: 0.18

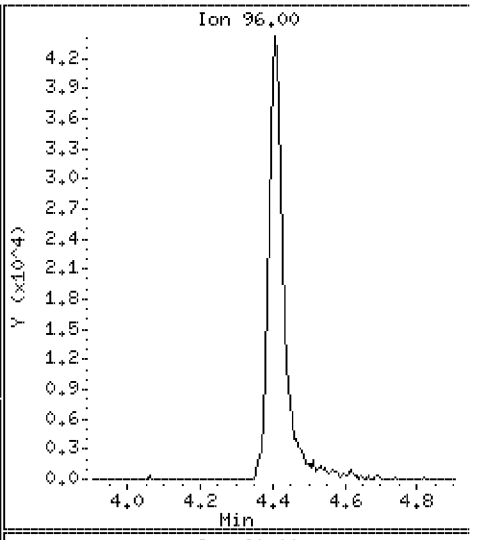
22 trans 1,2-Dichloroethene Concentration: 102 ug/l

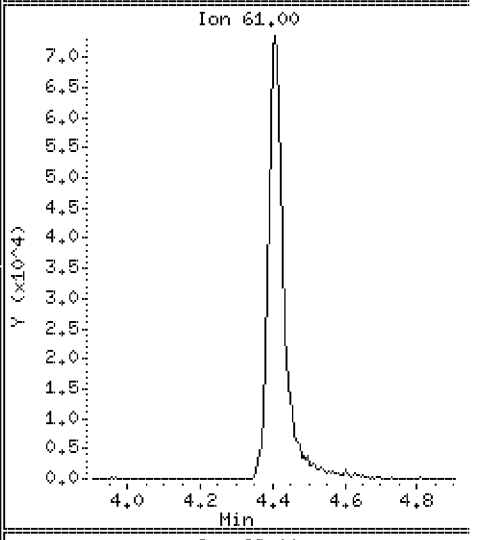


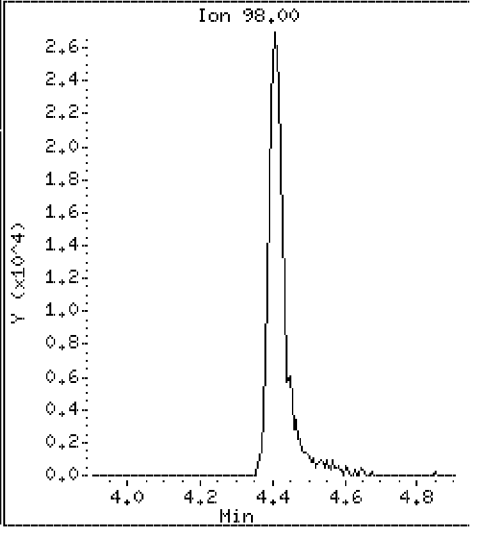












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Date : 15-JUN-2007 11:05

Client ID: TO0540AMSBLDL1

Instrument: vms03.i

Sample Info: 250696402;2506964;5;

Purge Volume: 5.0

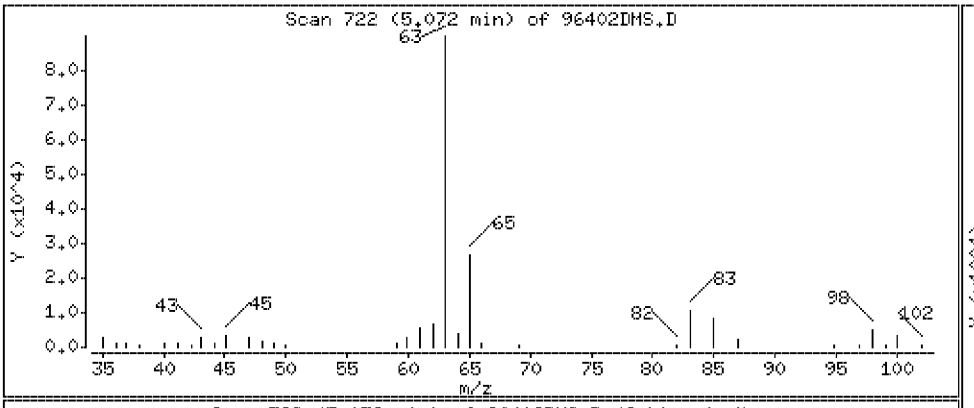
Operator:

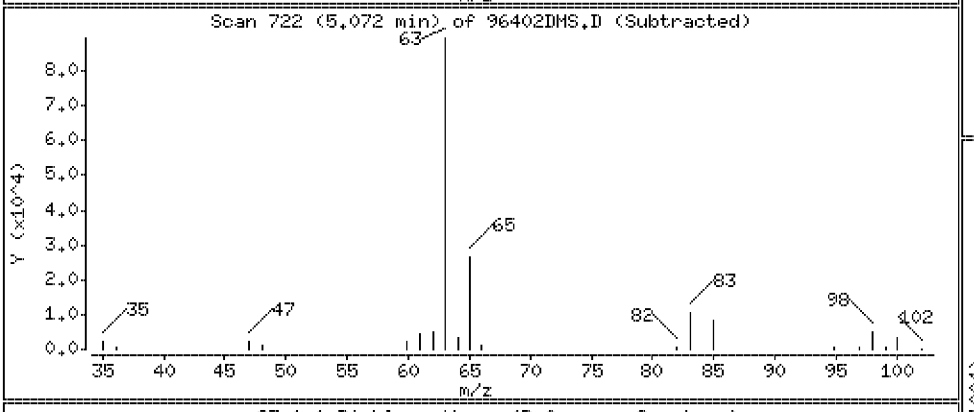
Column phase: DB-624

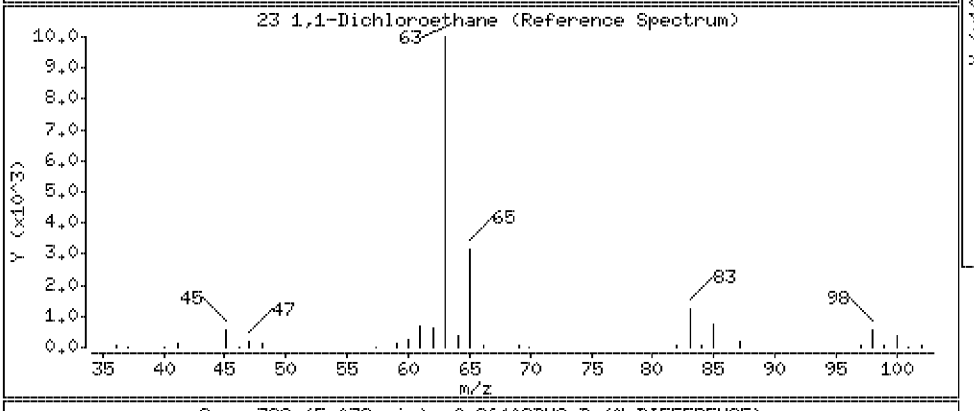
Column diameter: 0.18

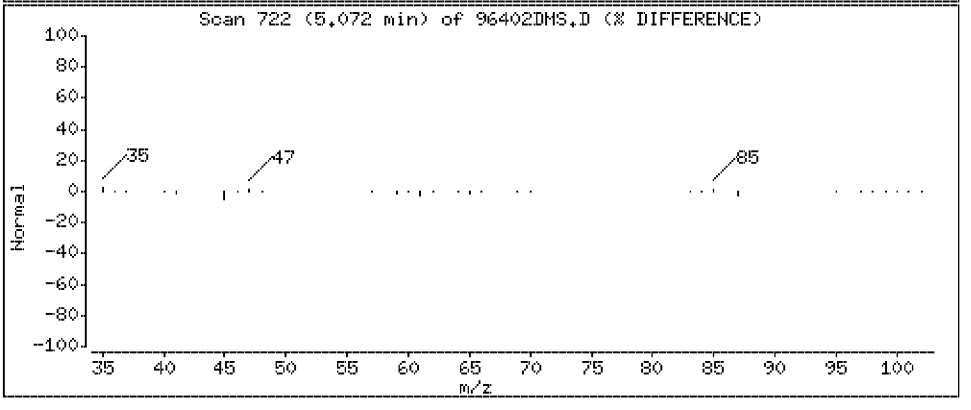
23 1,1-Dichloroethane

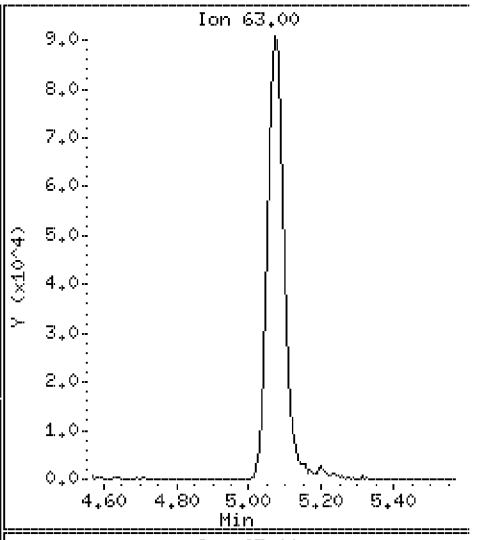
Concentration: 99.2 ug/l

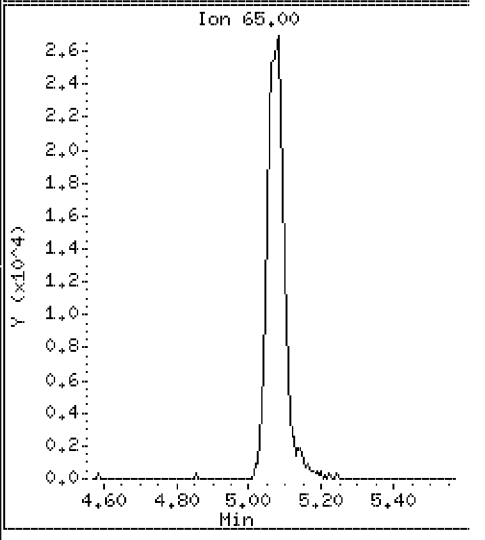












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Date : 15-JUN-2007 11:05

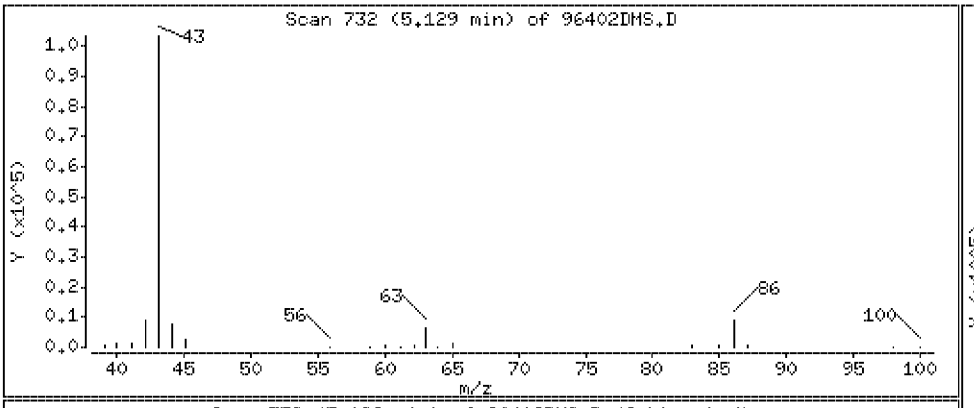
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

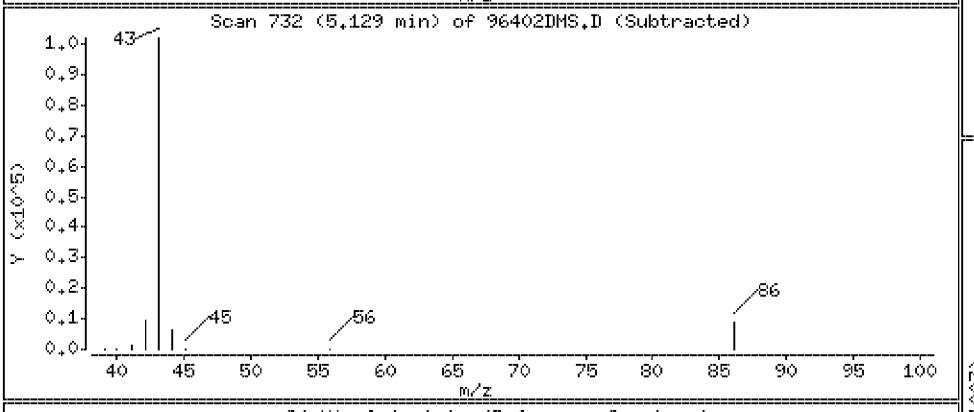
Sample Info: 250696402;2506964;5;

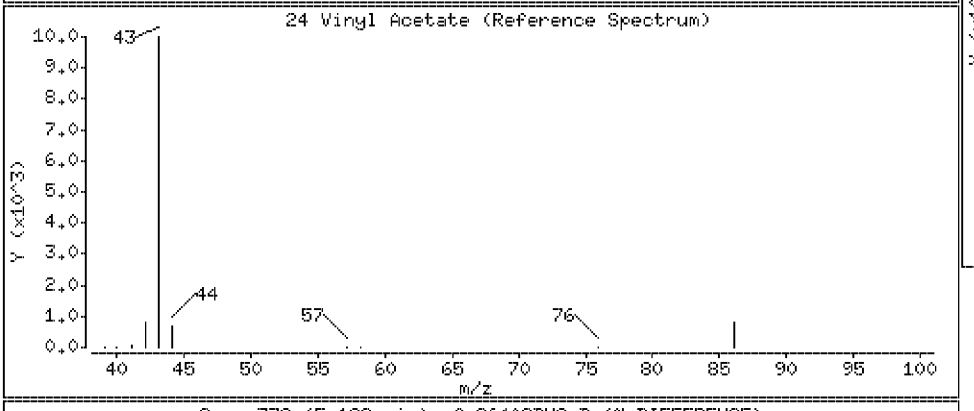
Purge Volume: 5.0 Operator:

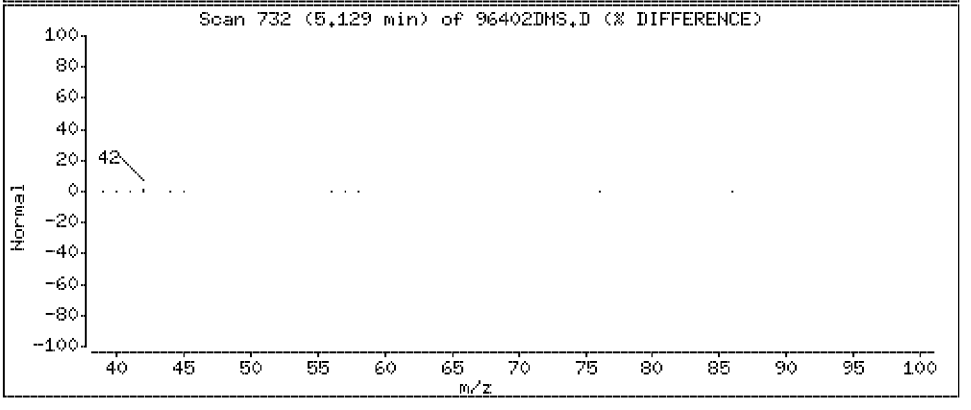
Column phase: DB-624 Column diameter: 0.18

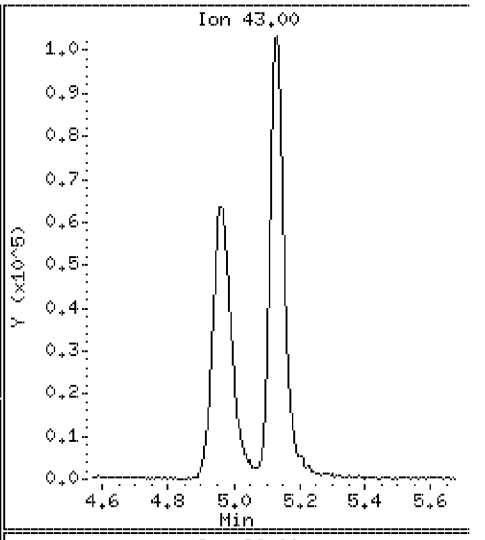
24 Vinyl Acetate Concentration: 108 ug/l

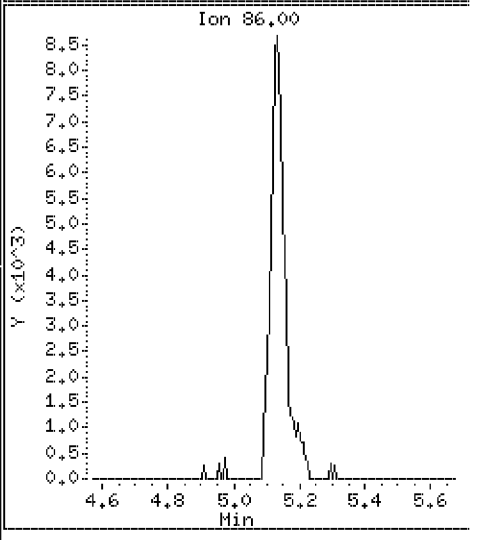












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Date : 15-JUN-2007 11:05

Client ID: TO0540AMSBLDL1

Instrument: vms03.i

Sample Info: 250696402;2506964;5;

Purge Volume: 5.0

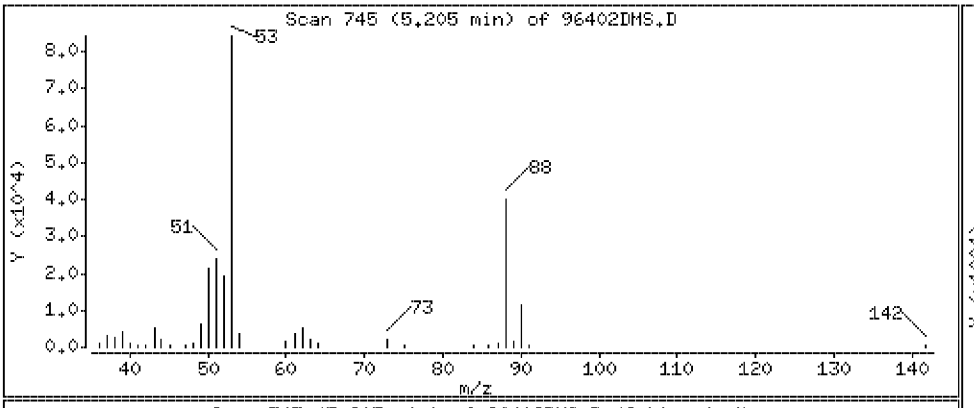
Operator:

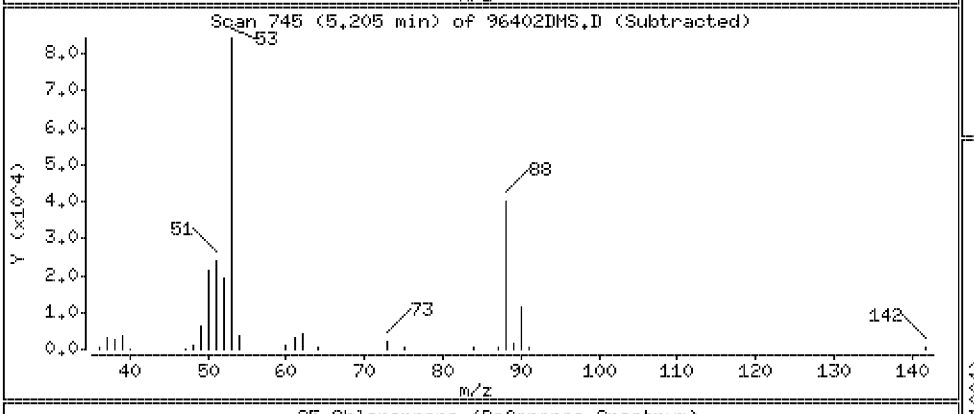
Column phase: DB-624

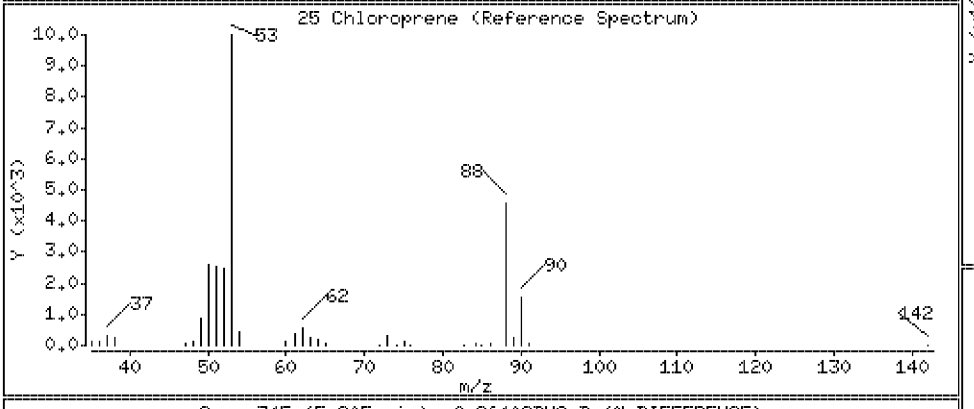
Column diameter: 0.18

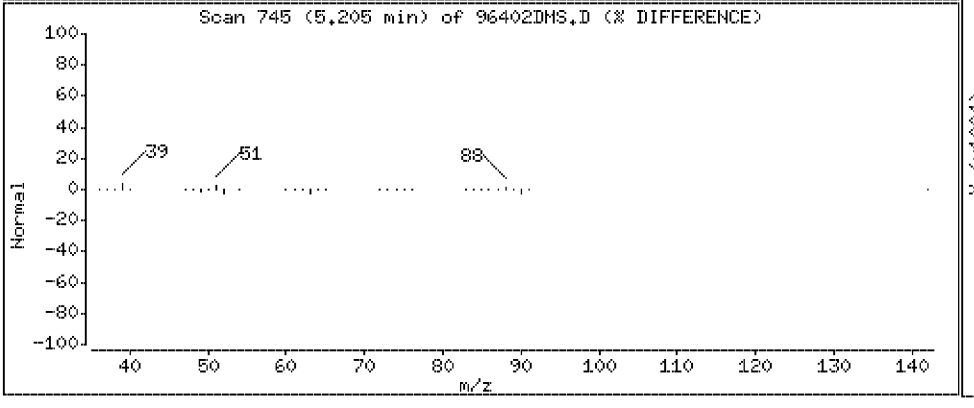
25 Chloroprene

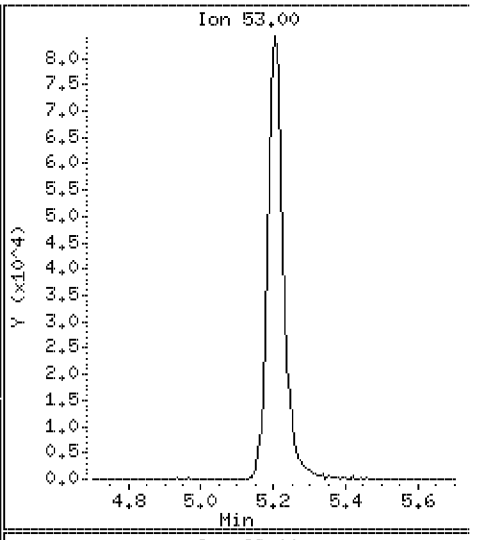
Concentration: 101 ug/l

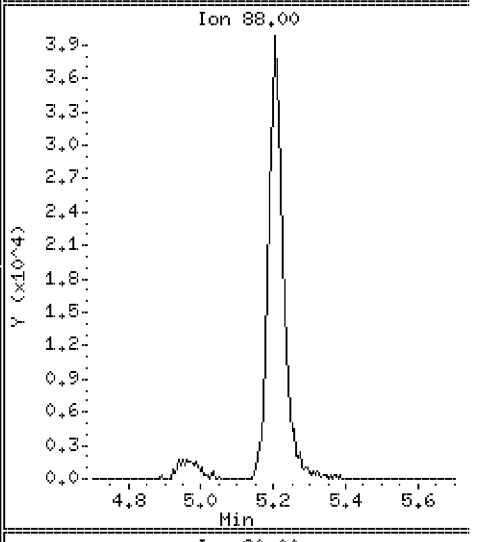


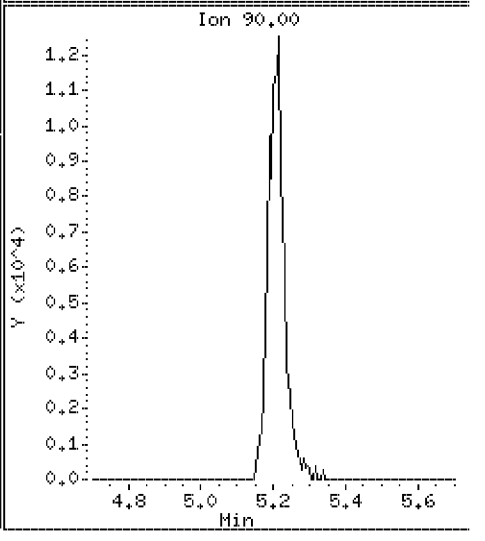












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

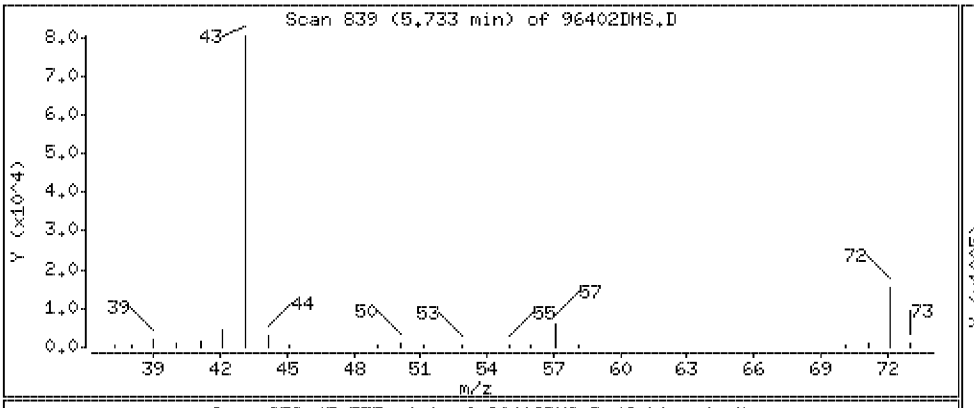
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

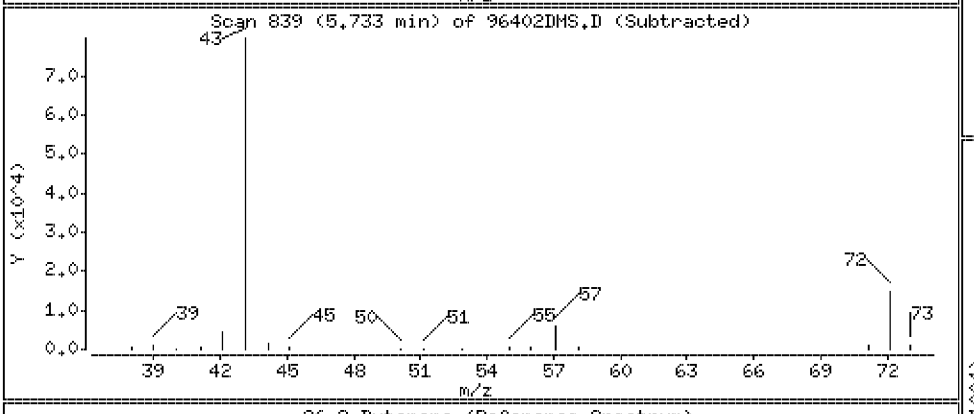
Sample Info: 250696402;2506964;5;

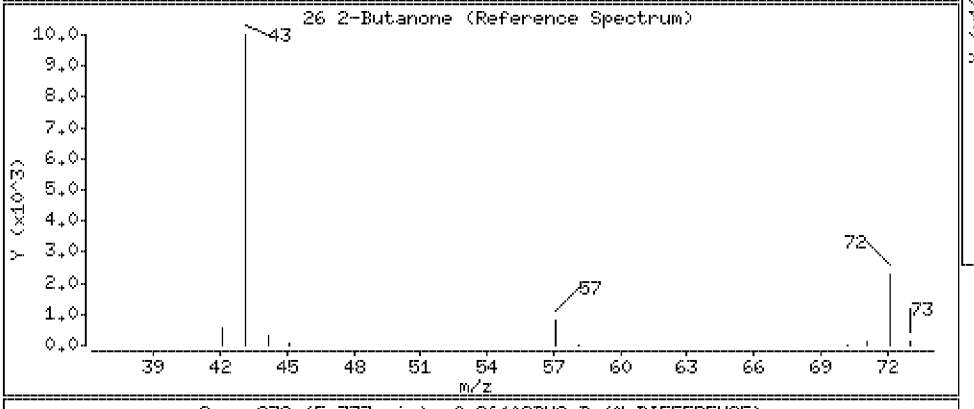
Purge Volume: 5.0 Operator:

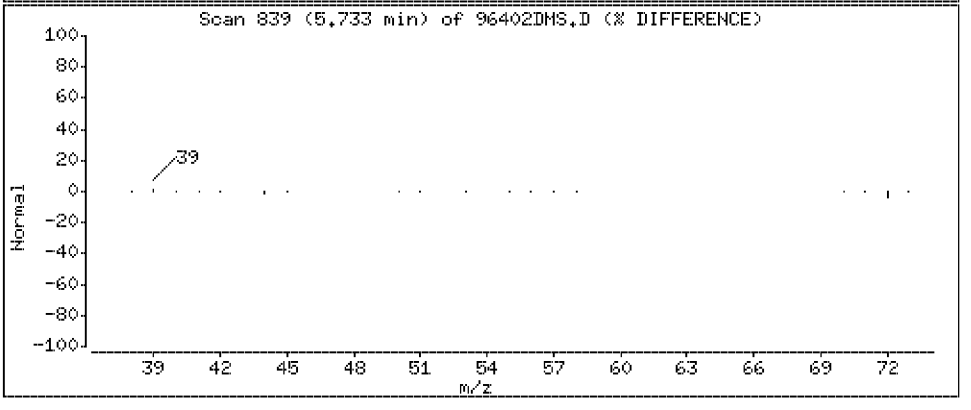
Column phase: DB-624 Column diameter: 0.18

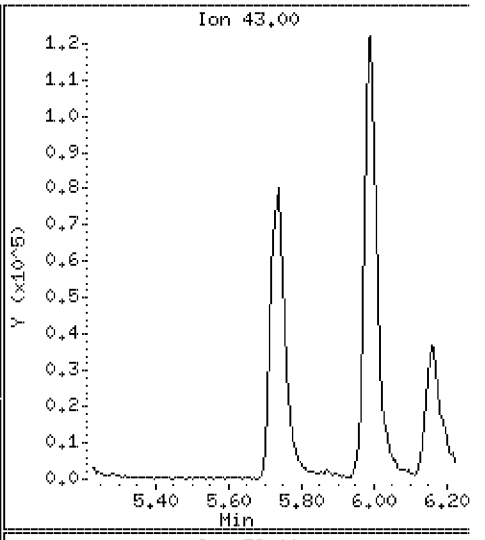
26 2-Butanone Concentration: 305 ug/l

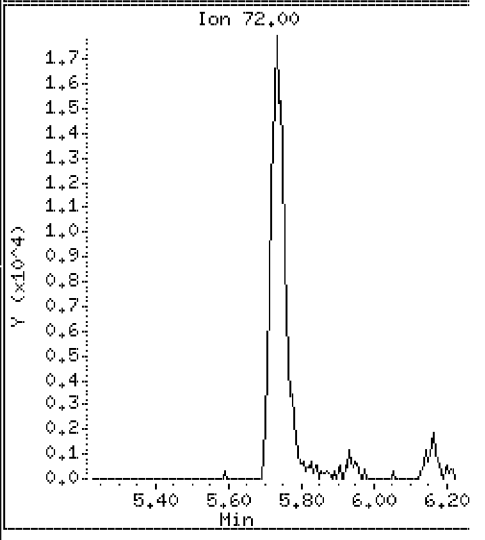












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

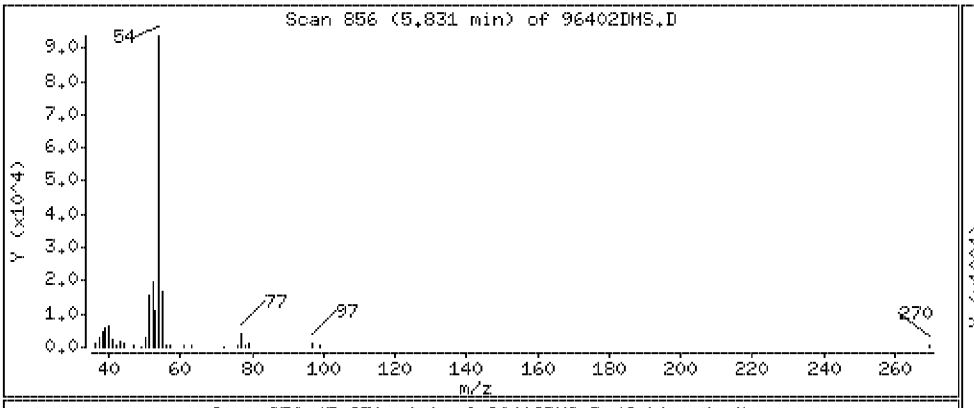
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

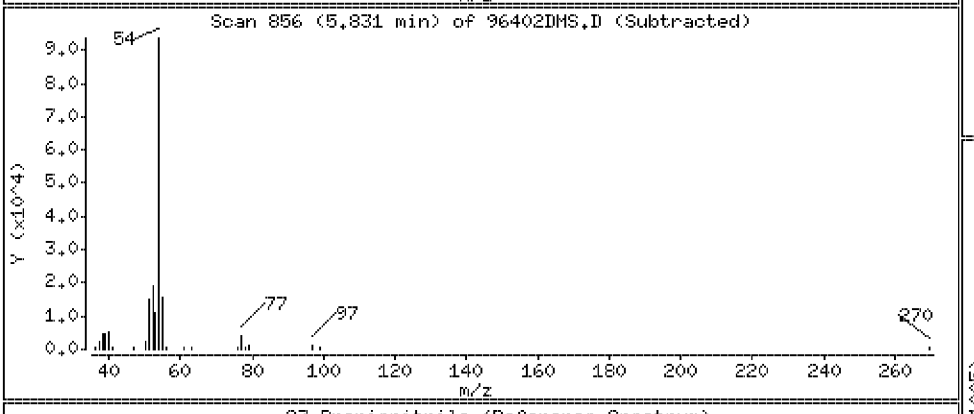
Sample Info: 250696402;2506964;5;

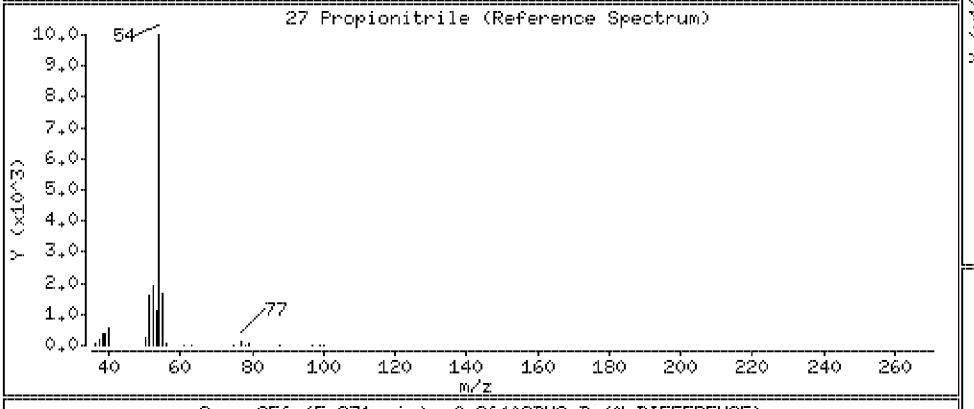
Purge Volume: 5.0 Operator:

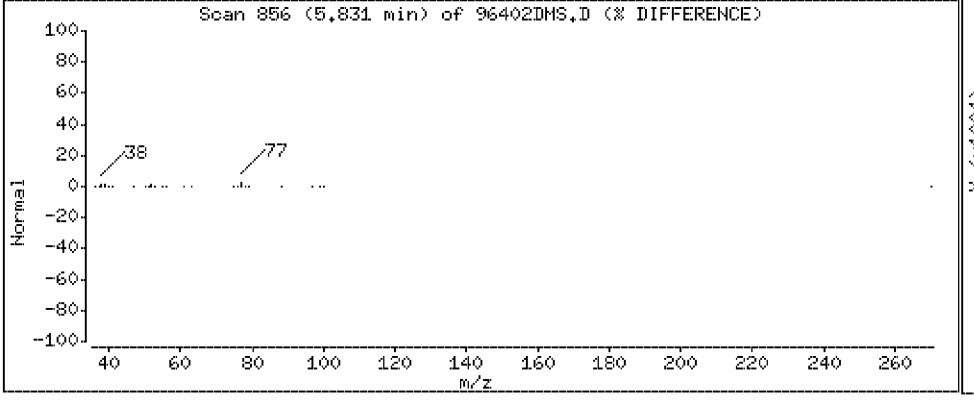
Column phase: DB-624 Column diameter: 0.18

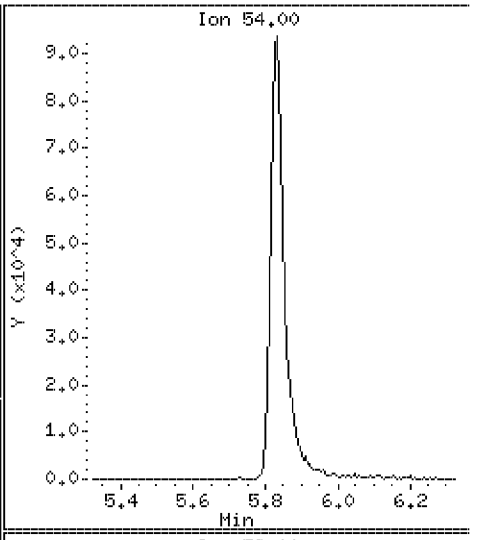
27 Propionitrile Concentration: 1050 ug/l

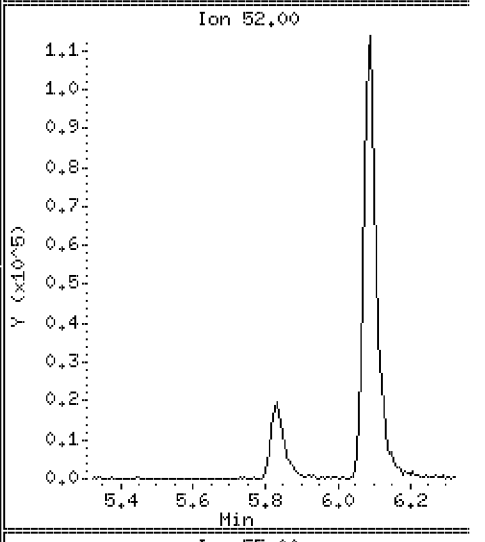


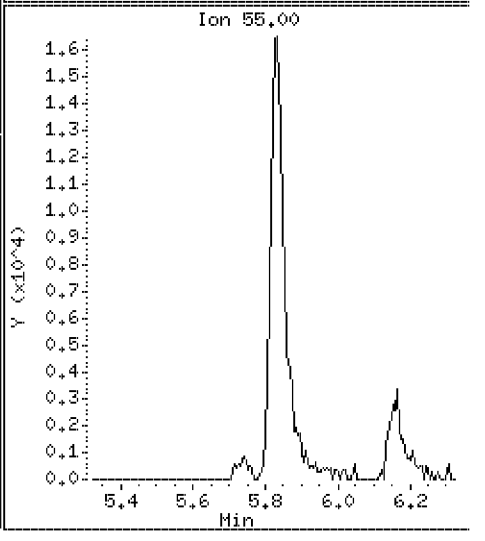












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

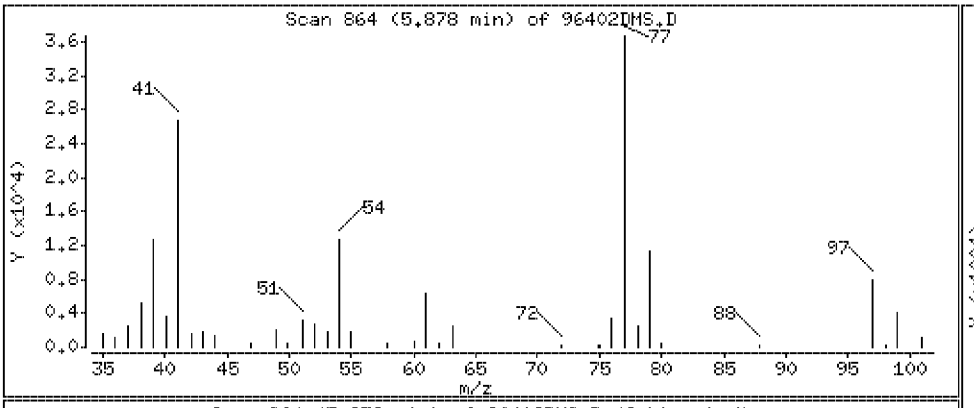
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

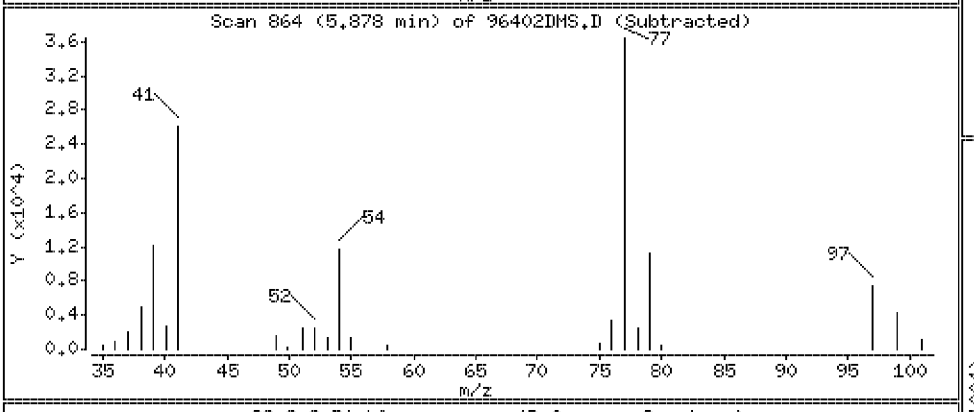
Sample Info: 250696402;2506964;5;

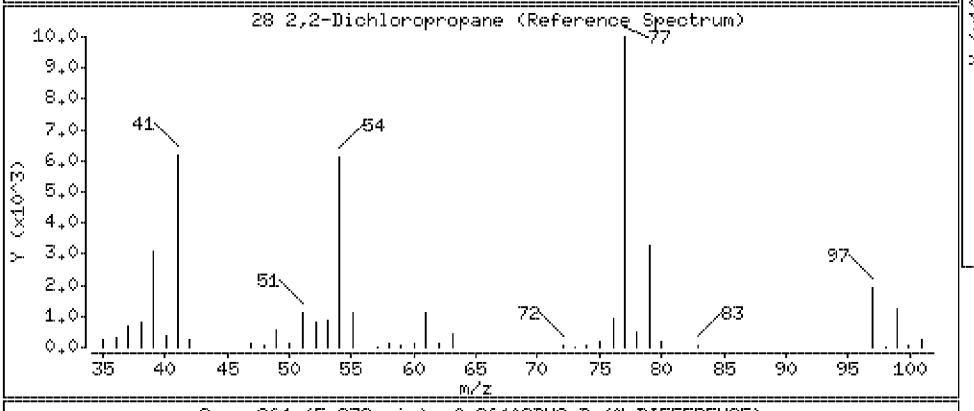
Purge Volume: 5.0 Operator:

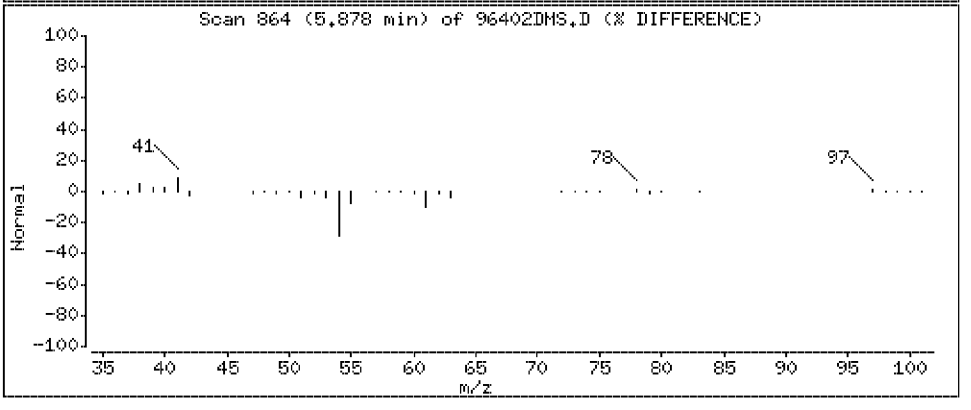
Column phase: DB-624 Column diameter: 0.18

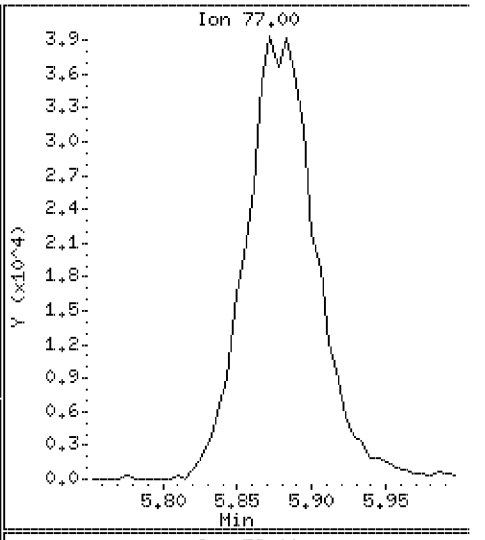
28 2,2-Dichloropropane Concentration: 104 ug/l

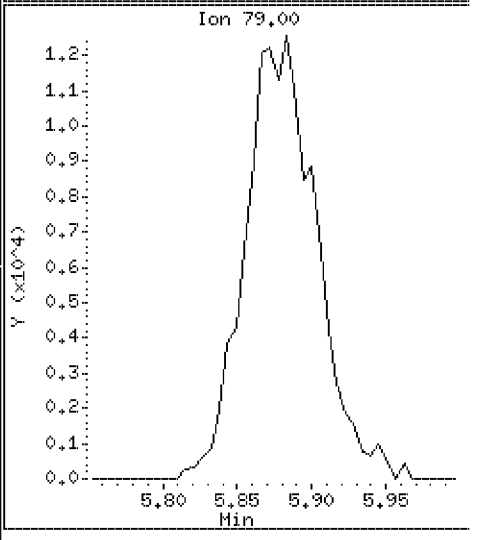












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Date : 15-JUN-2007 11:05

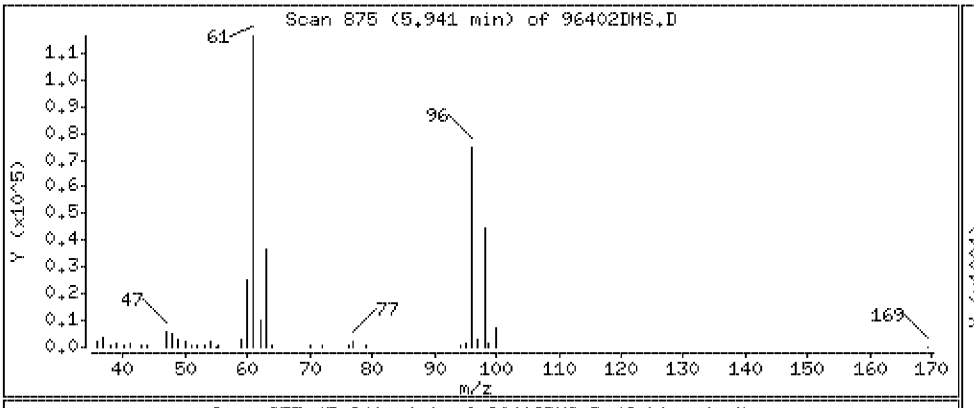
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

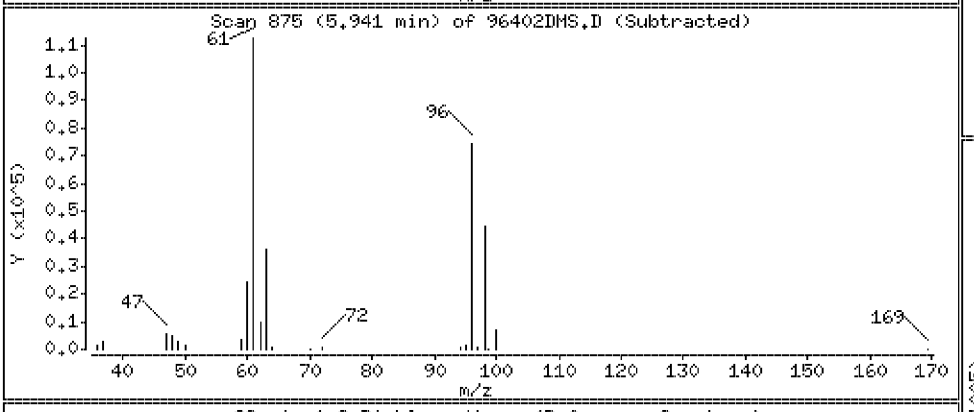
Sample Info: 250696402;2506964;5;

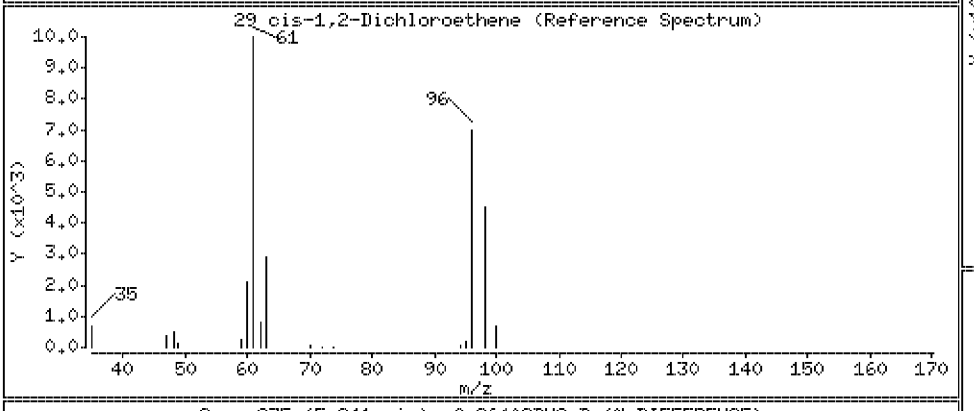
Purge Volume: 5.0 Operator:

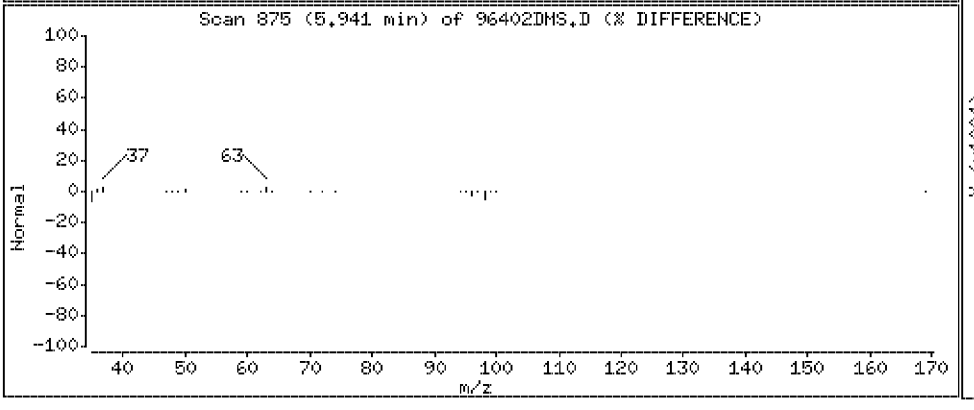
Column phase: DB-624 Column diameter: 0.18

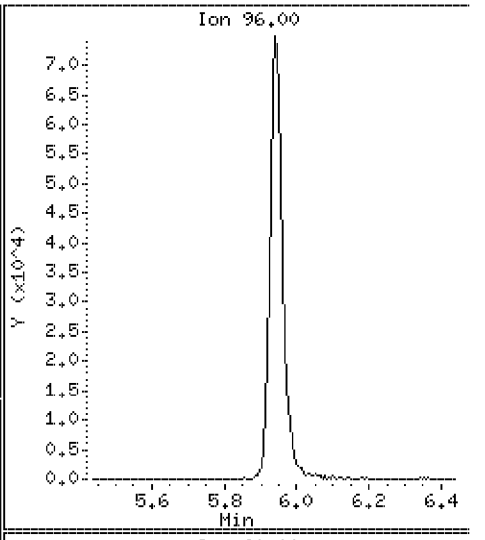
29 cis-1,2-Dichloroethene Concentration: 124 ug/l

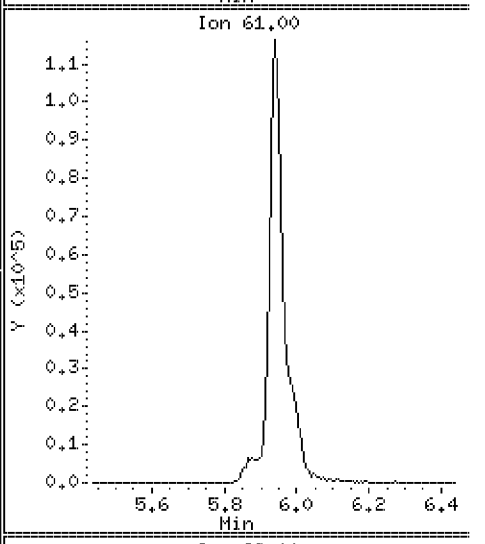


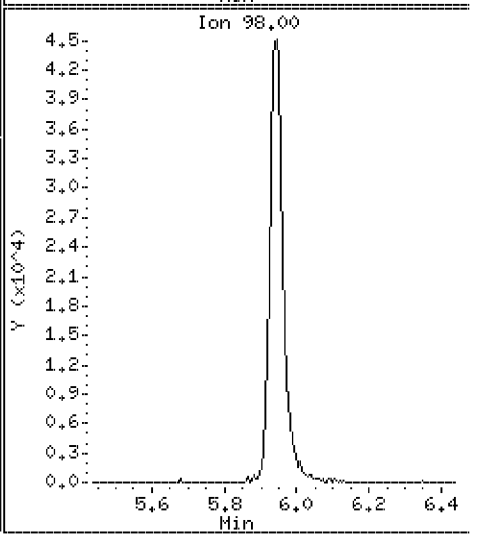












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

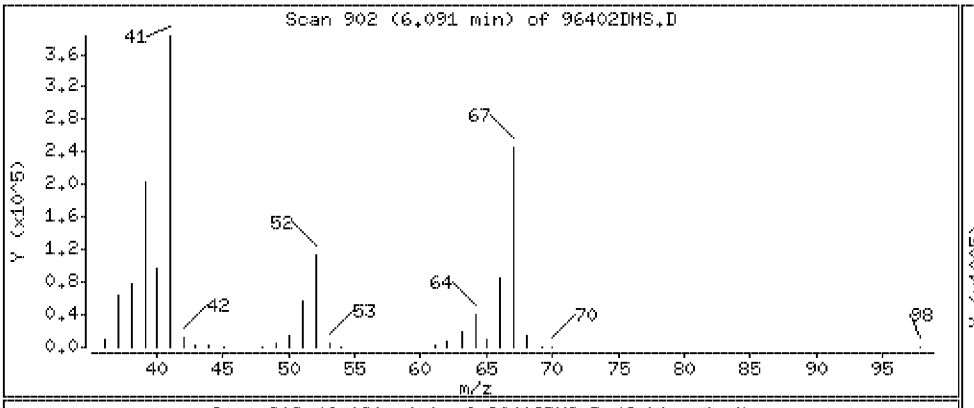
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

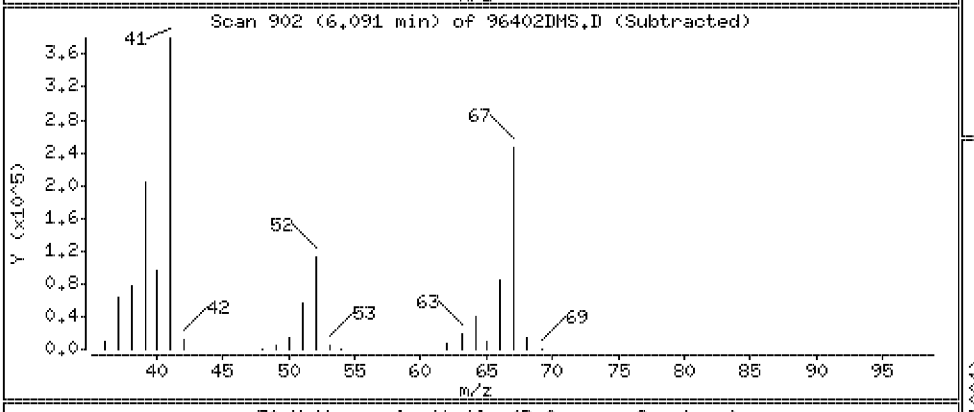
Sample Info: 250696402;2506964;5;

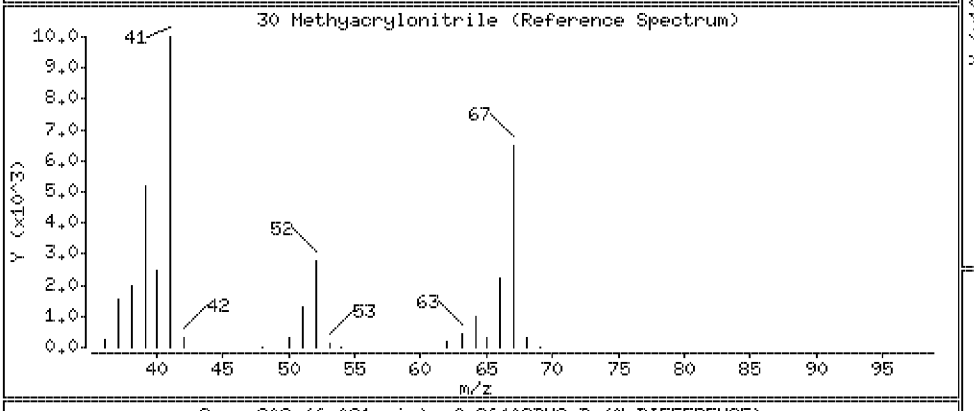
Purge Volume: 5.0 Operator:

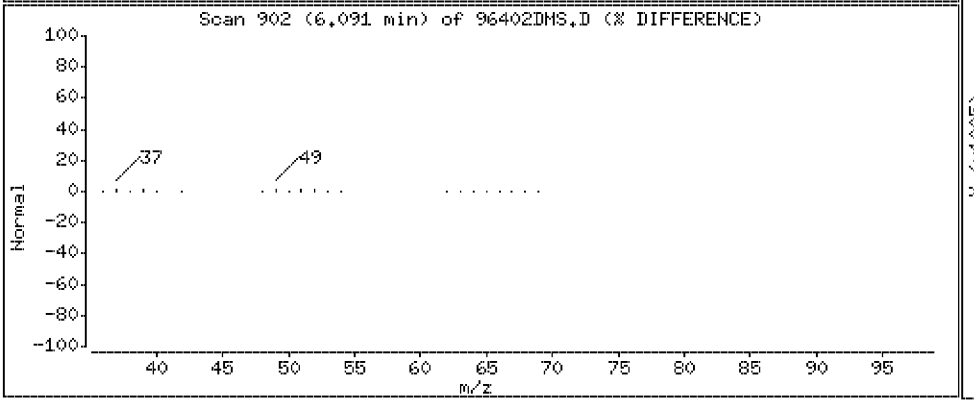
Column phase: DB-624 Column diameter: 0.18

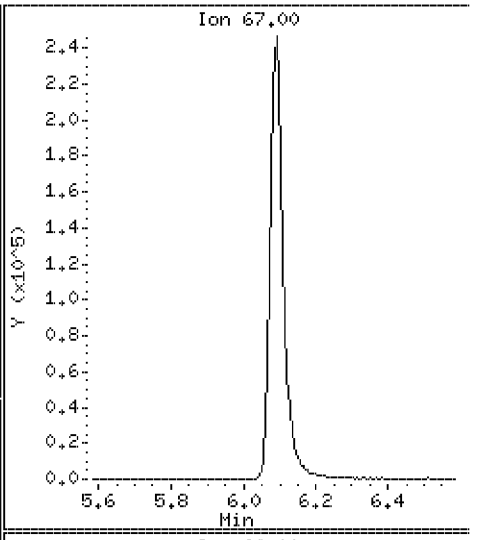
30 Methyacrylonitrile Concentration: 1030 ug/l

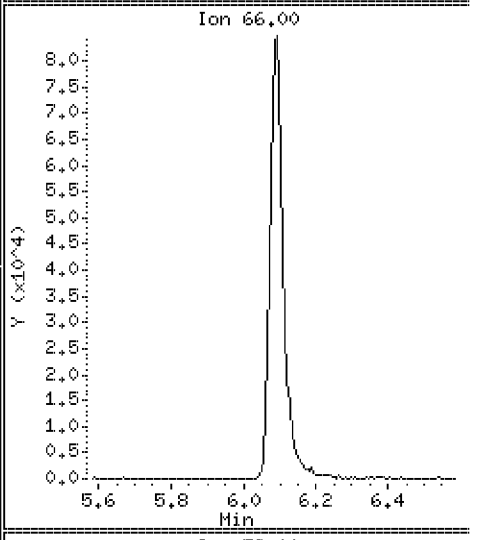


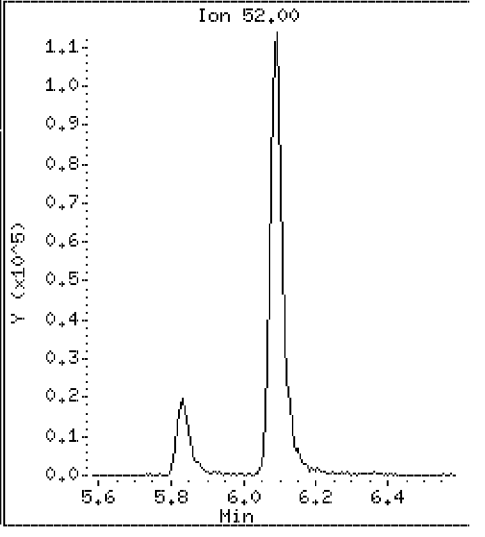












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

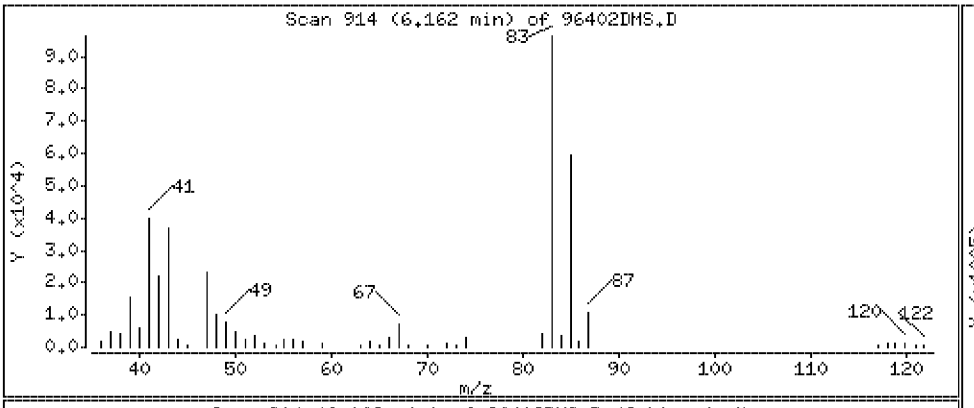
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

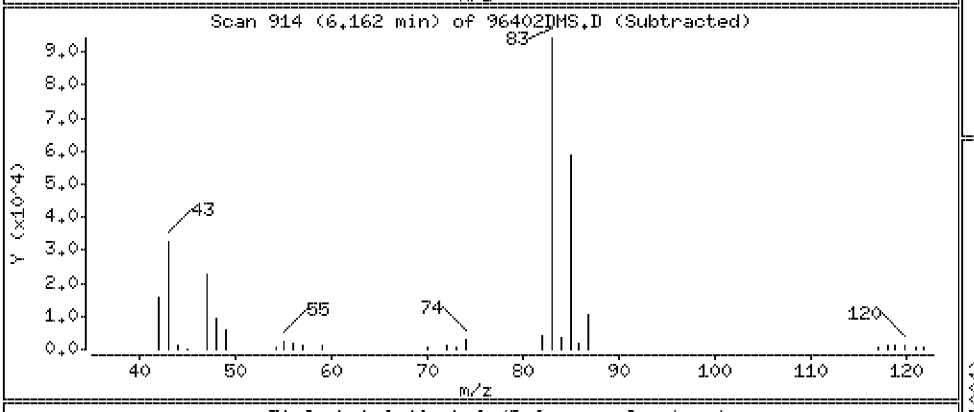
Sample Info: 250696402;2506964;5;

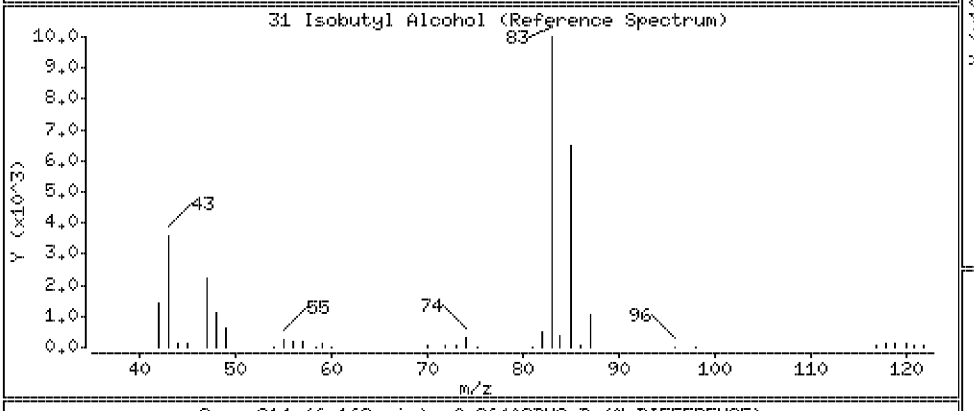
Purge Volume: 5.0 Operator:

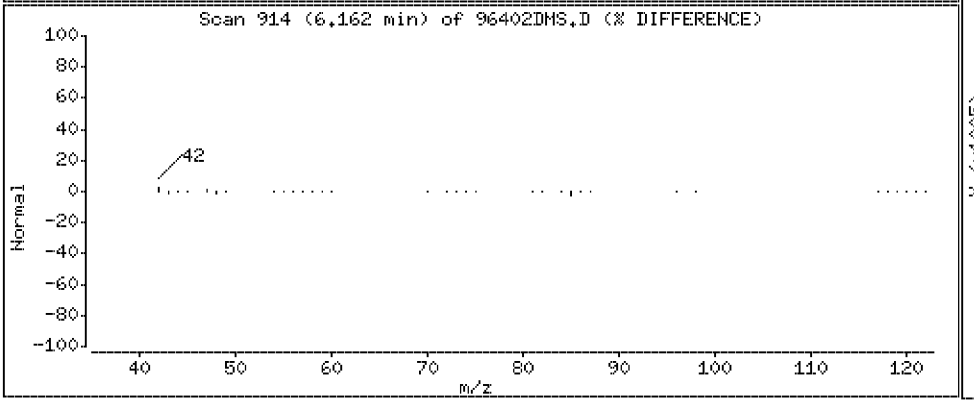
Column phase: DB-624 Column diameter: 0.18

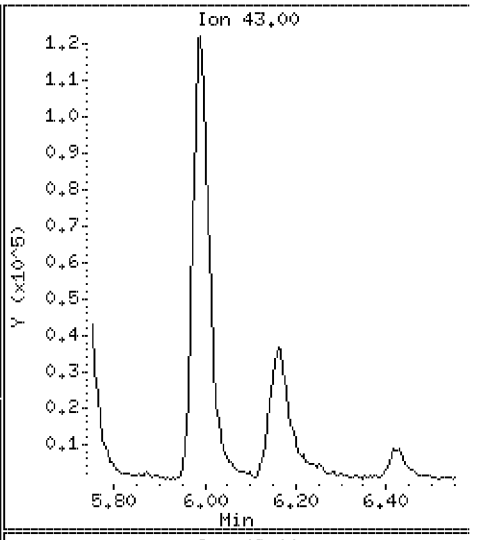
31 Isobutyl Alcohol Concentration: 1710 ug/l

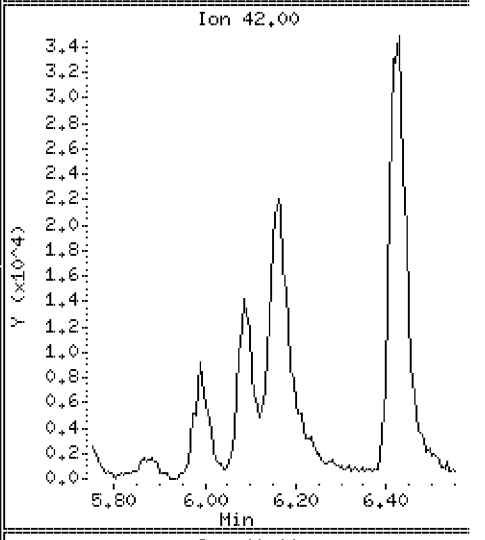


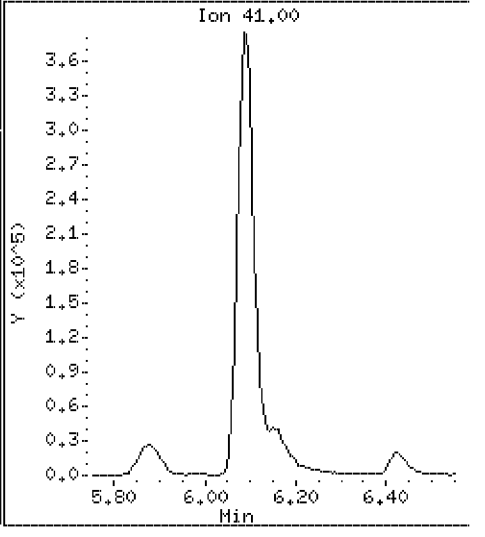












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

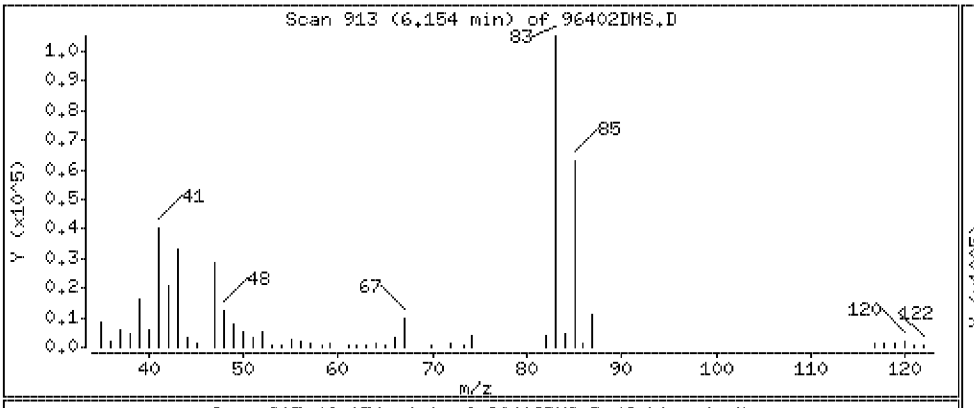
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

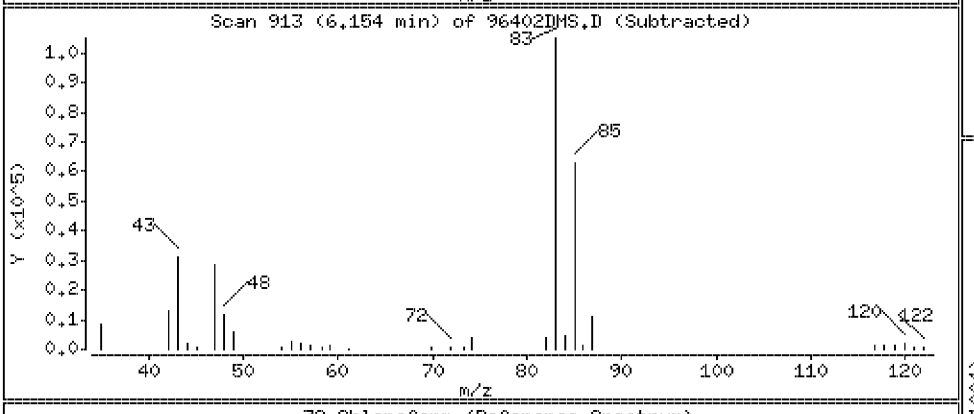
Sample Info: 250696402;2506964;5;

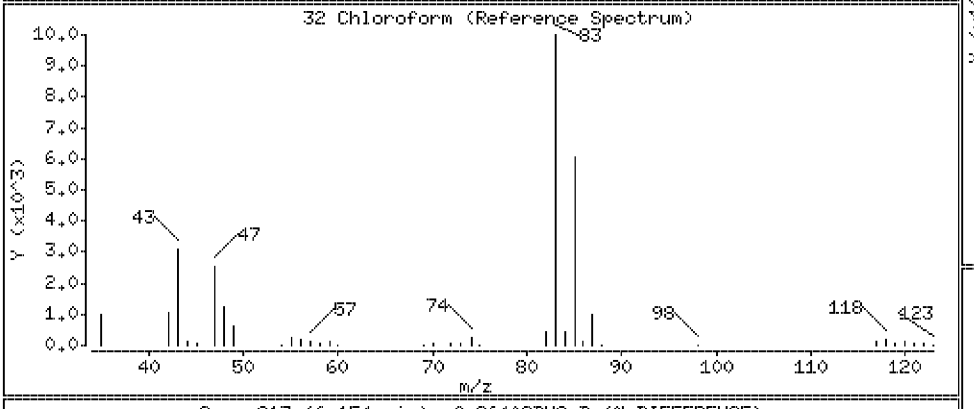
Purge Volume: 5.0 Operator:

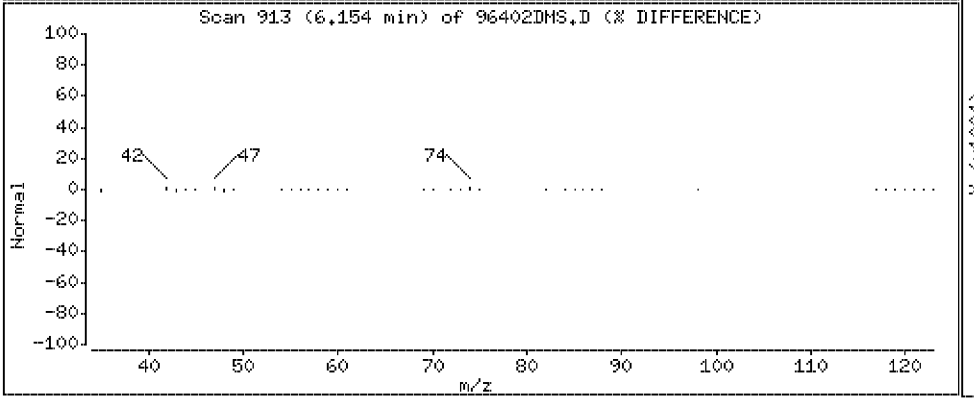
Column phase: DB-624 Column diameter: 0.18

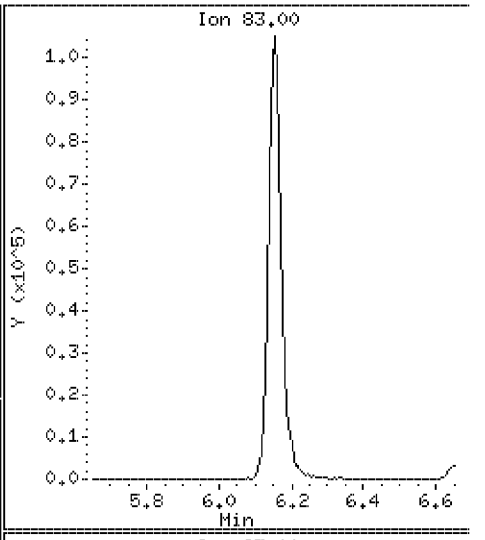
32 Chloroform Concentration: 99.3 ug/l

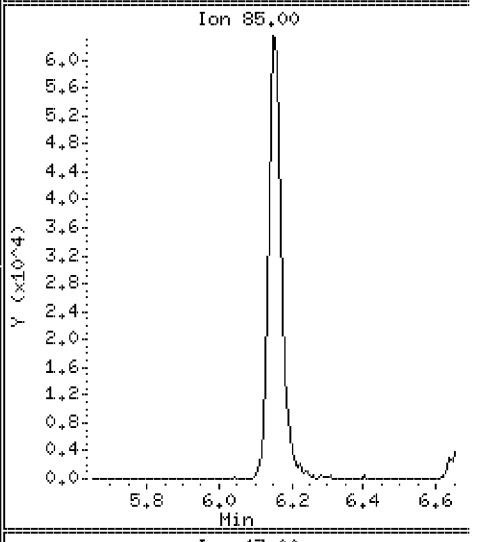


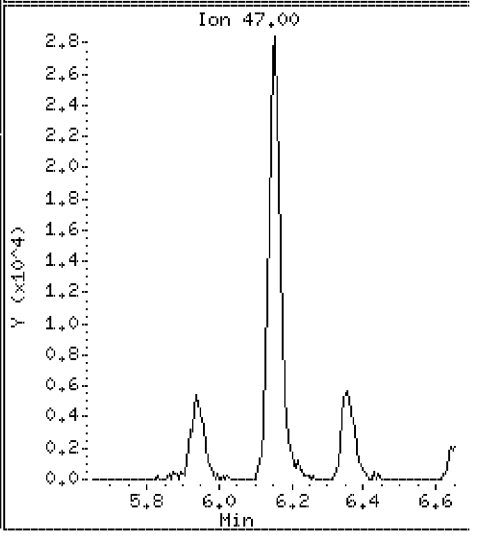












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

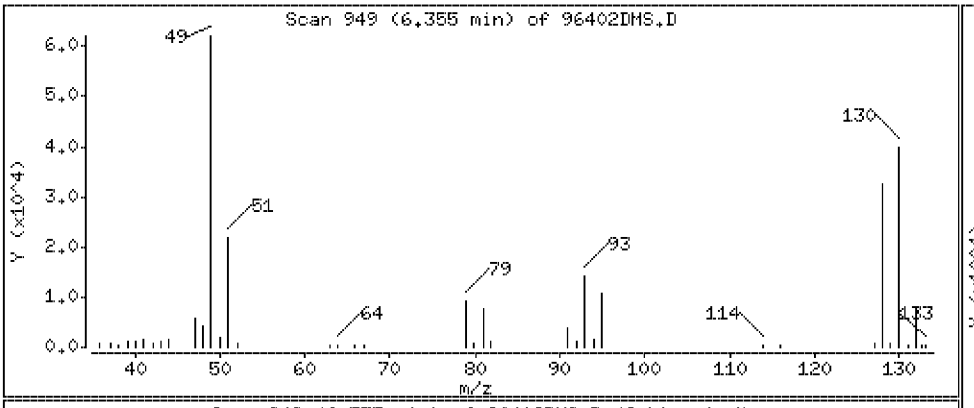
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

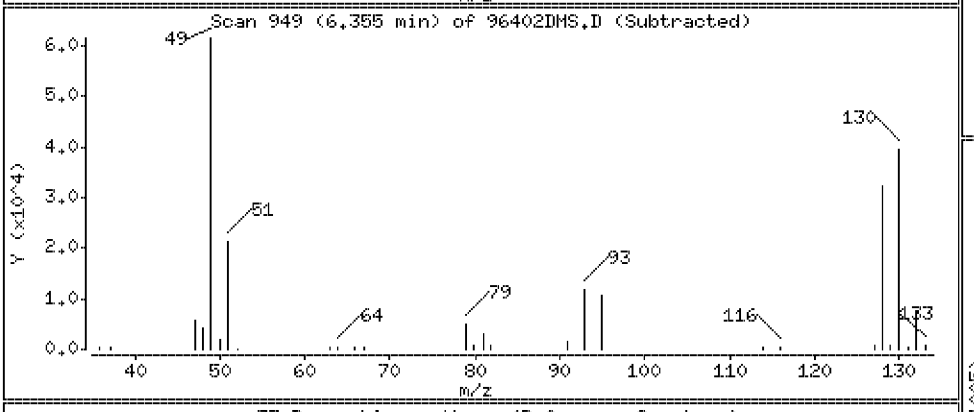
Sample Info: 250696402;2506964;5;

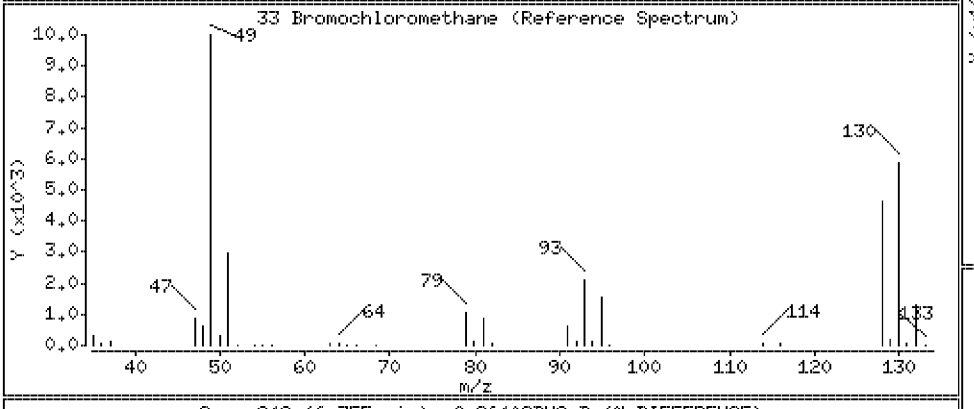
Purge Volume: 5.0 Operator:

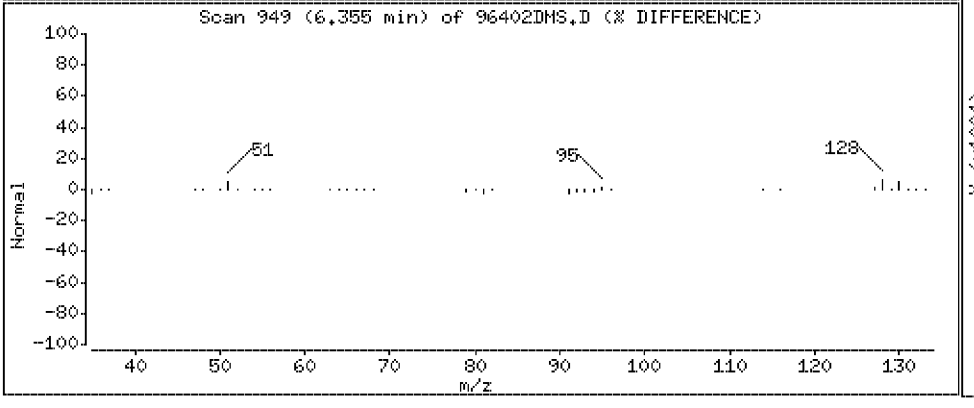
Column phase: DB-624 Column diameter: 0.18

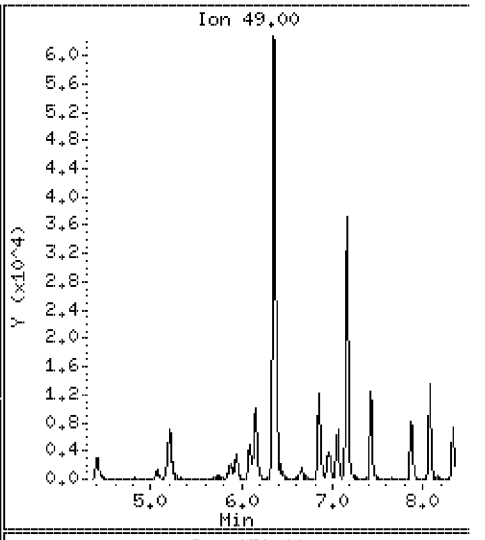
33 Bromochloromethane Concentration: 97.6 ug/l

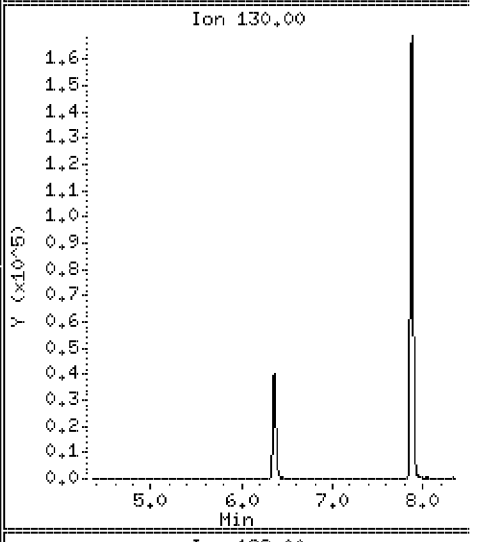


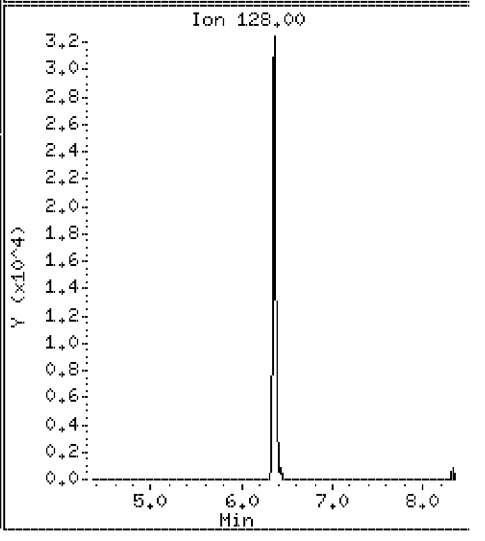












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

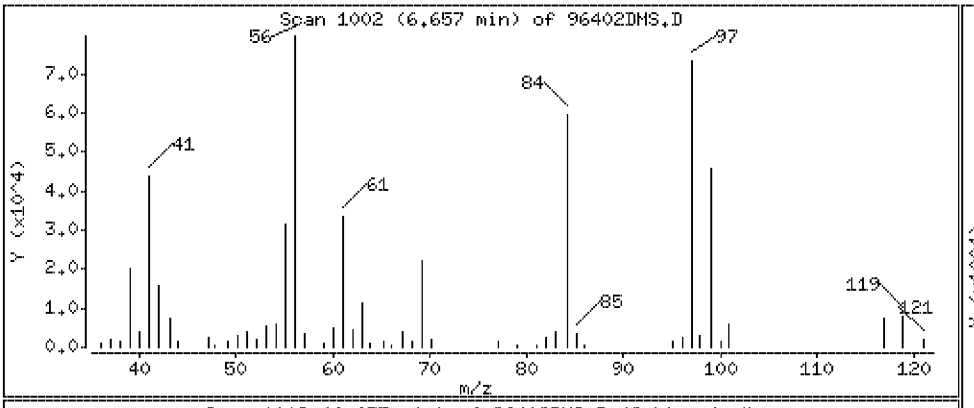
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

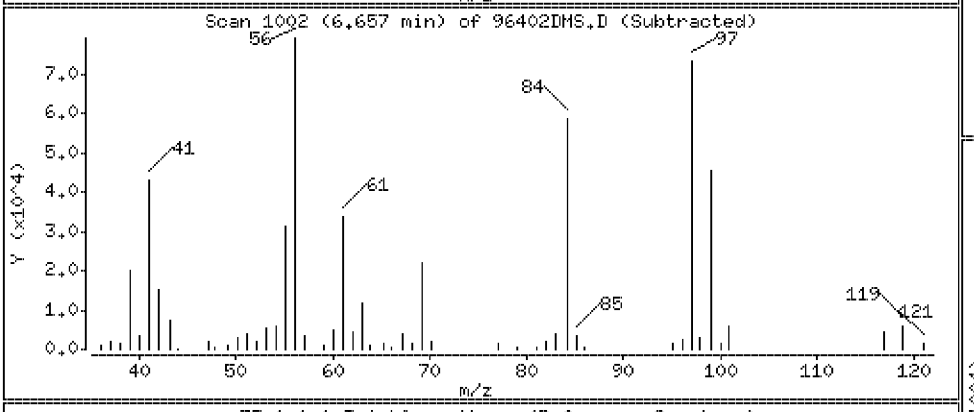
Sample Info: 250696402;2506964;5;

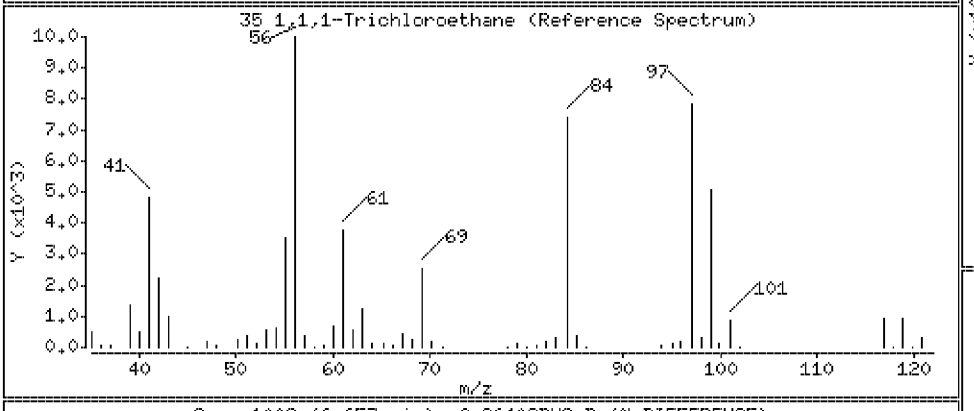
Purge Volume: 5.0 Operator:

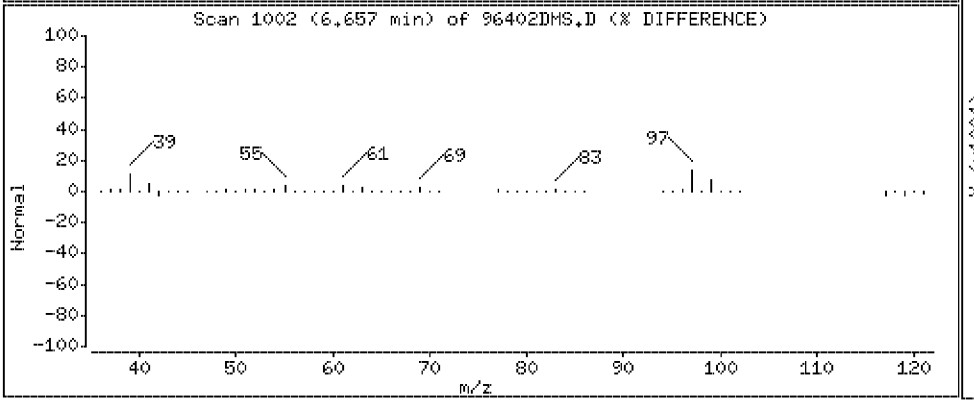
Column phase: DB-624 Column diameter: 0.18

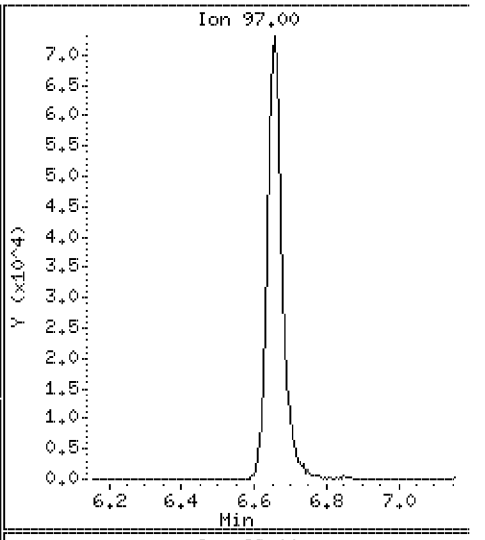
35 1,1,1-Trichloroethane Concentration: 103 ug/l

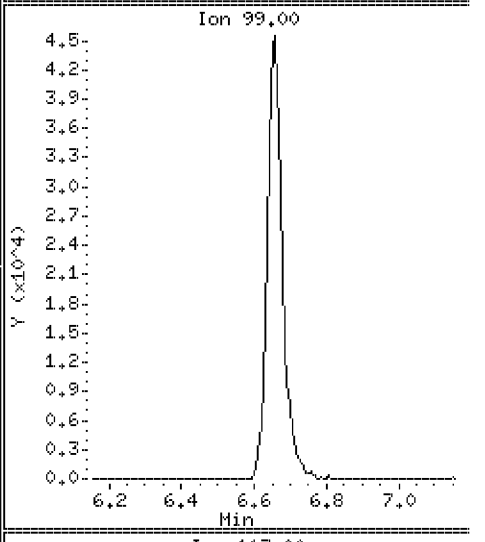


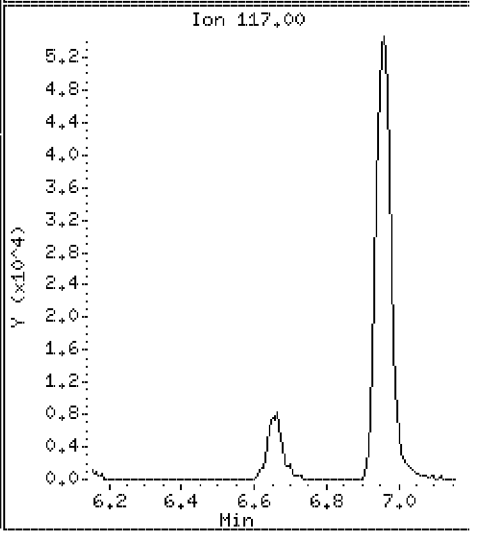












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

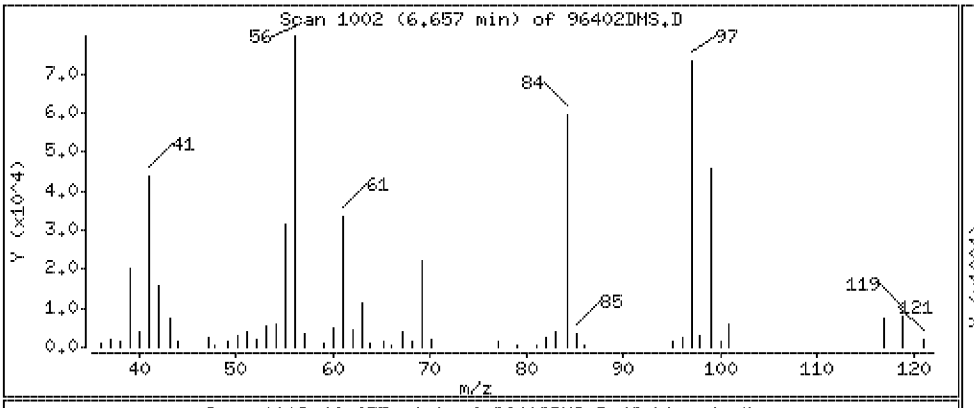
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

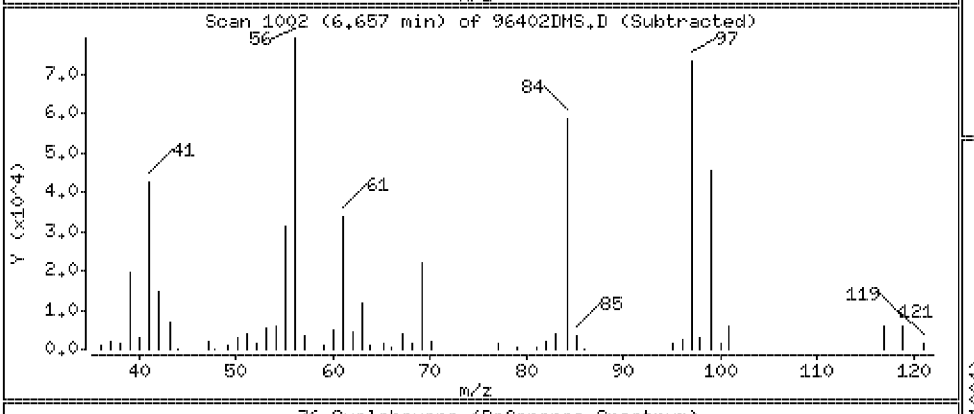
Sample Info: 250696402;2506964;5;

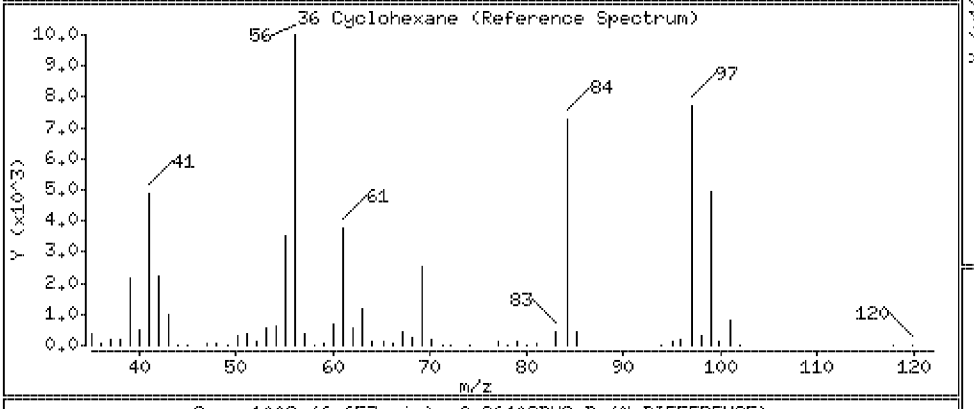
Purge Volume: 5.0 Operator:

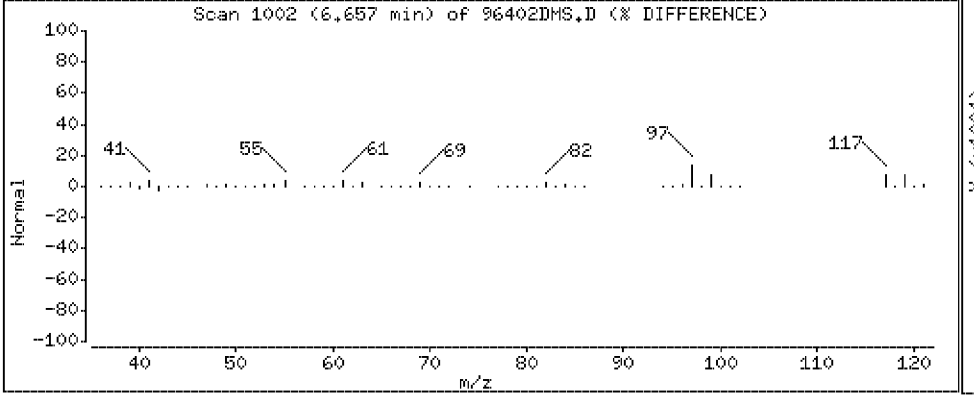
Column phase: DB-624 Column diameter: 0.18

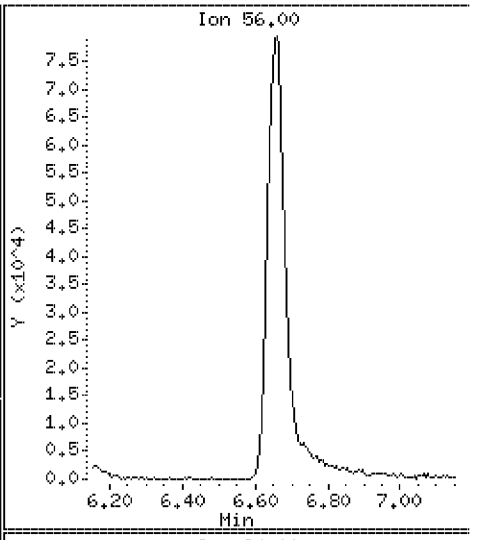
36 Cyclohexane Concentration: 104 ug/l

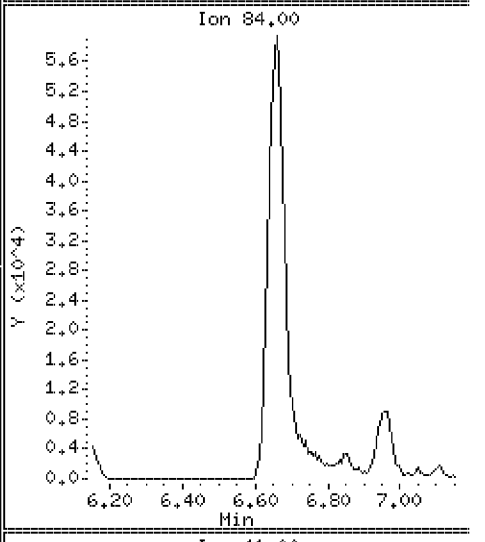


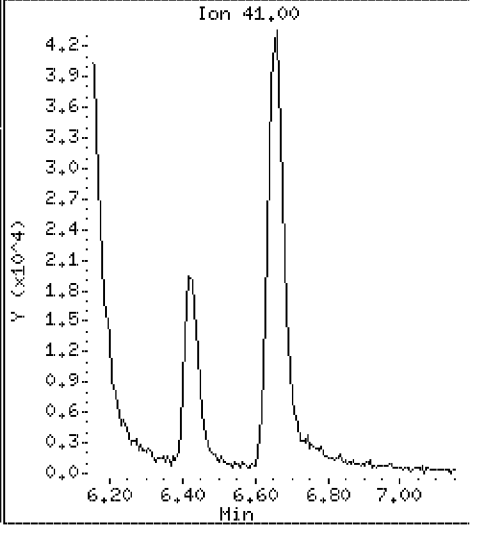












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

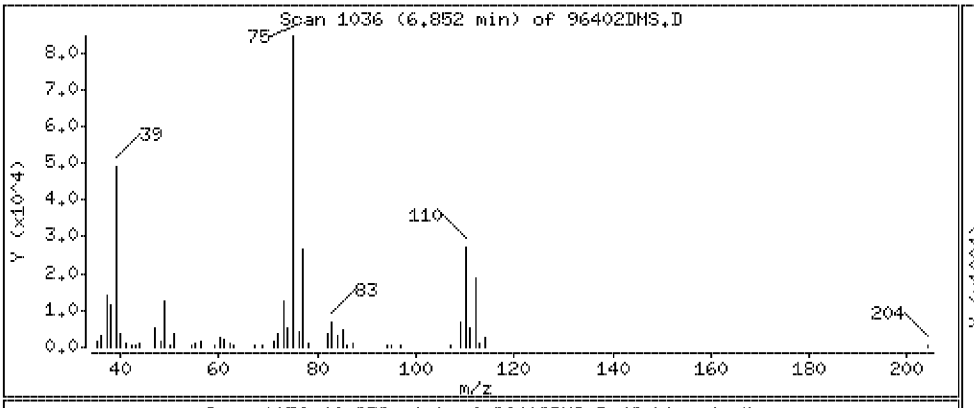
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

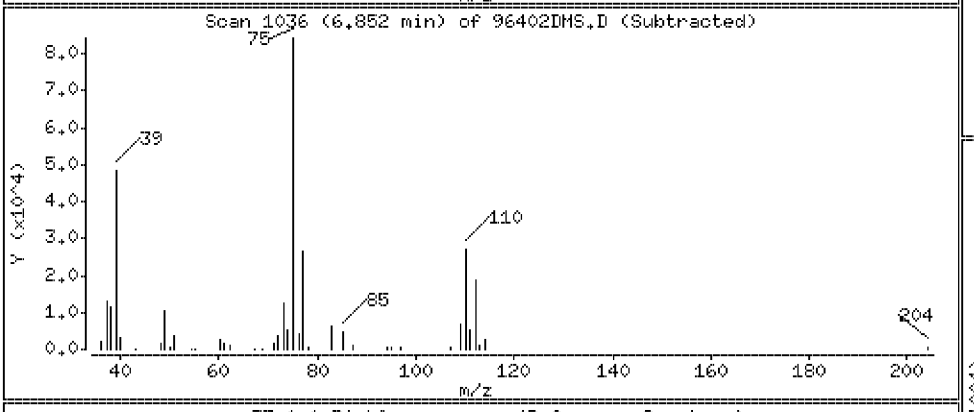
Sample Info: 250696402;2506964;5;

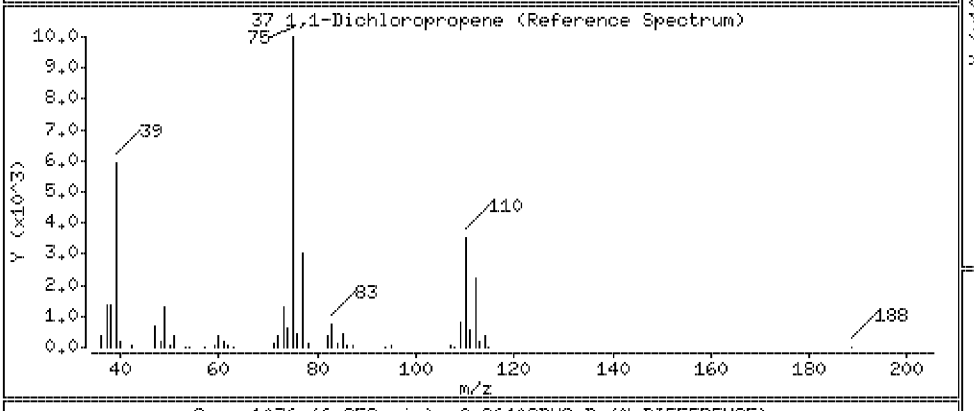
Purge Volume: 5.0 Operator:

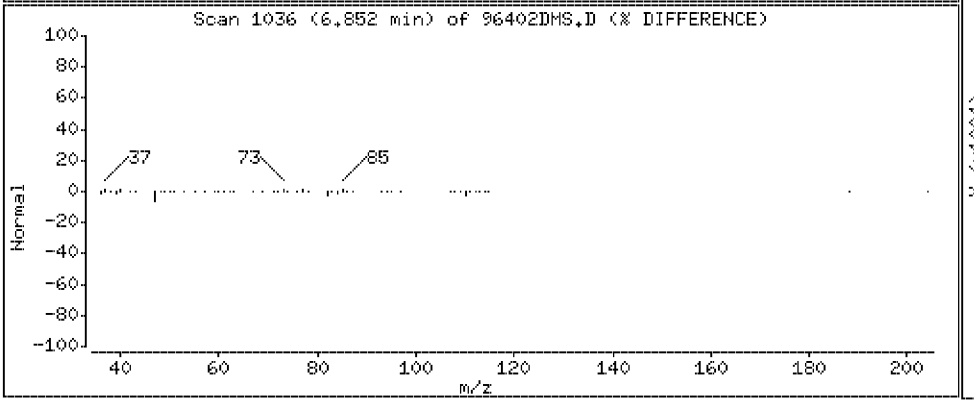
Column phase: DB-624 Column diameter: 0.18

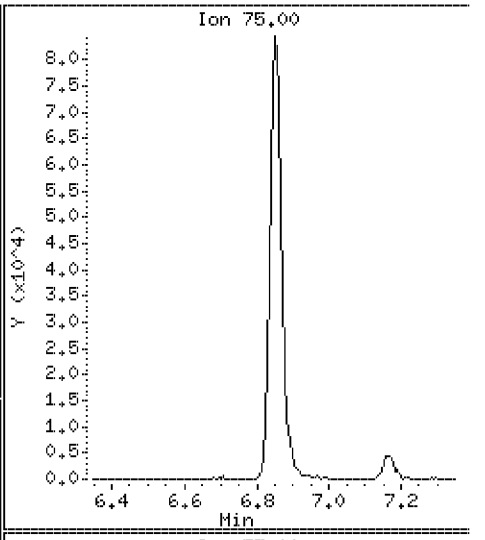
37 1,1-Dichloropropene Concentration: 102 ug/l

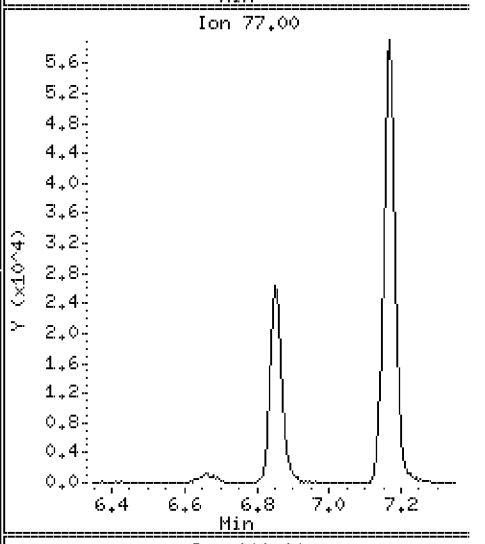


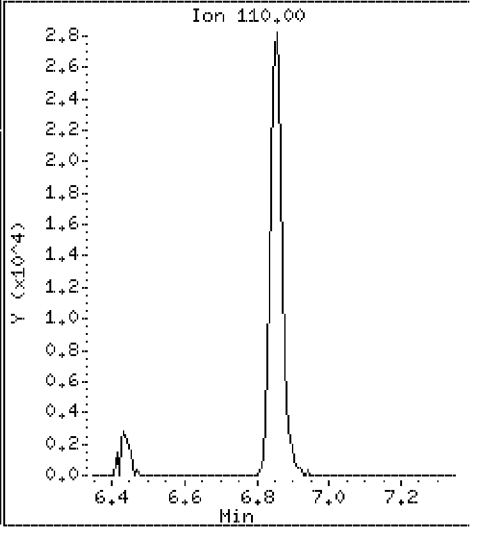












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

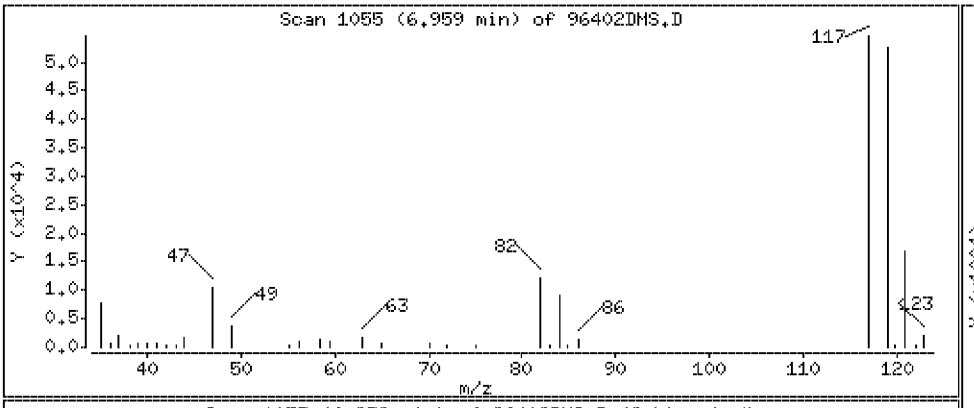
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

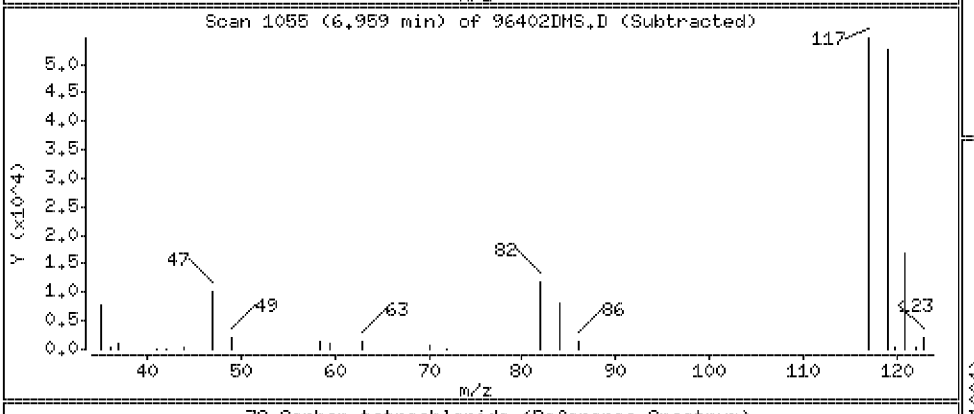
Sample Info: 250696402;2506964;5;

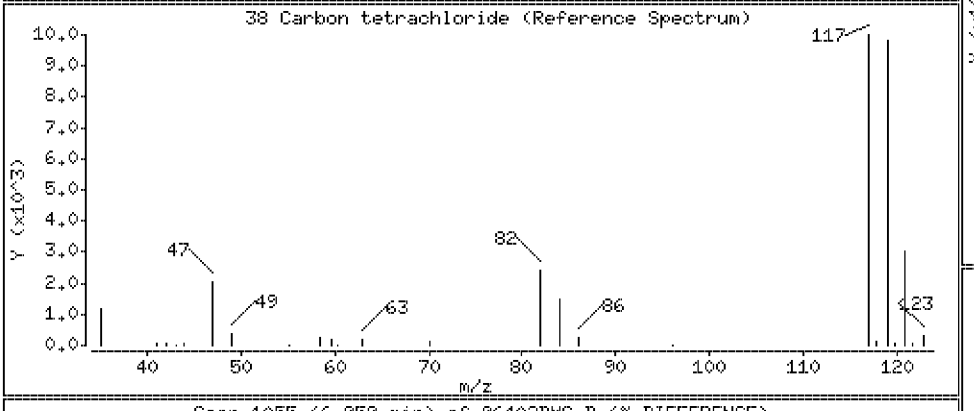
Purge Volume: 5.0 Operator:

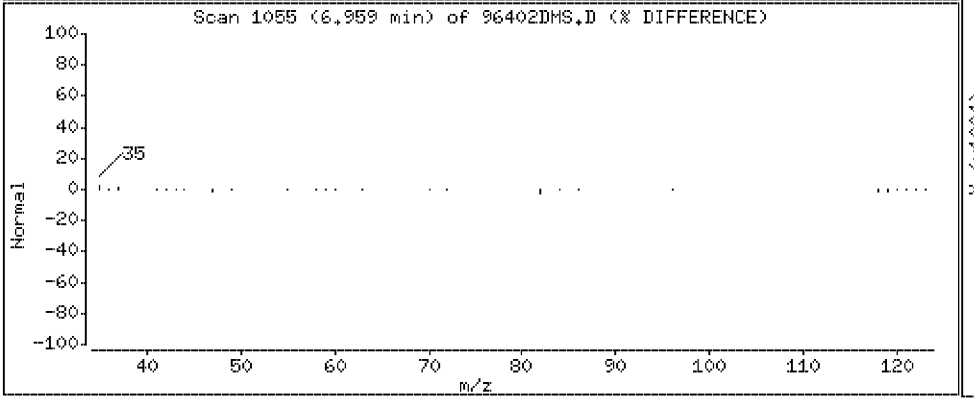
Column phase: DB-624 Column diameter: 0.18

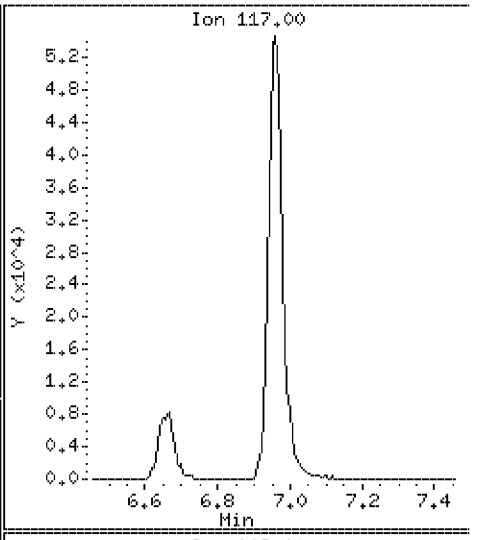
38 Carbon tetrachloride Concentration: 99.4 ug/l

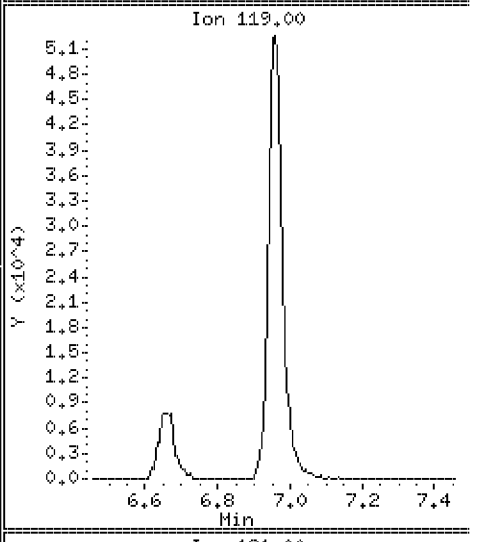


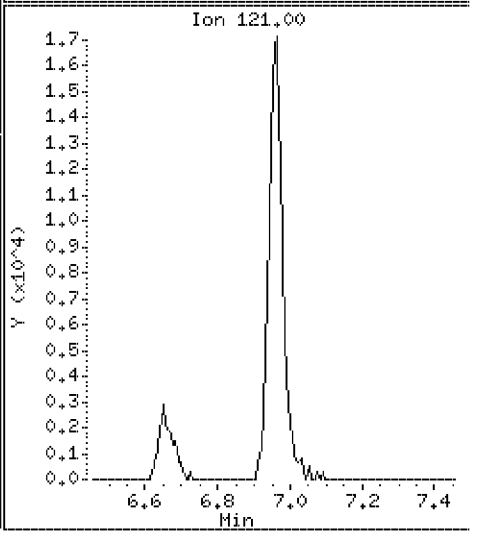












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

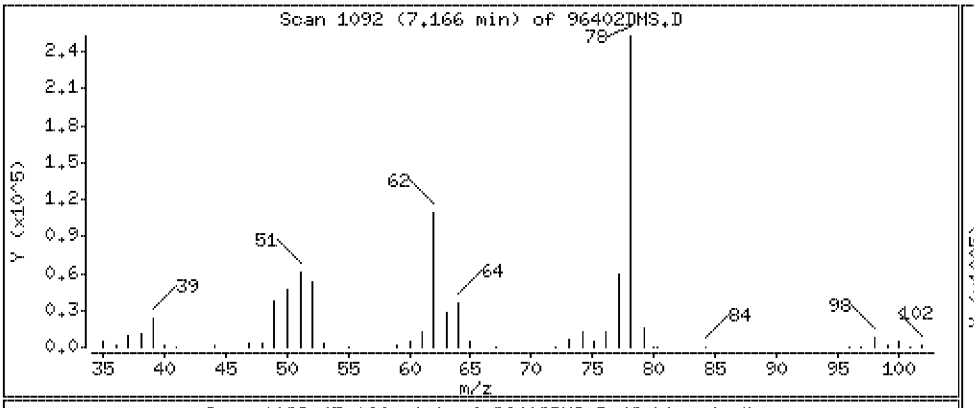
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

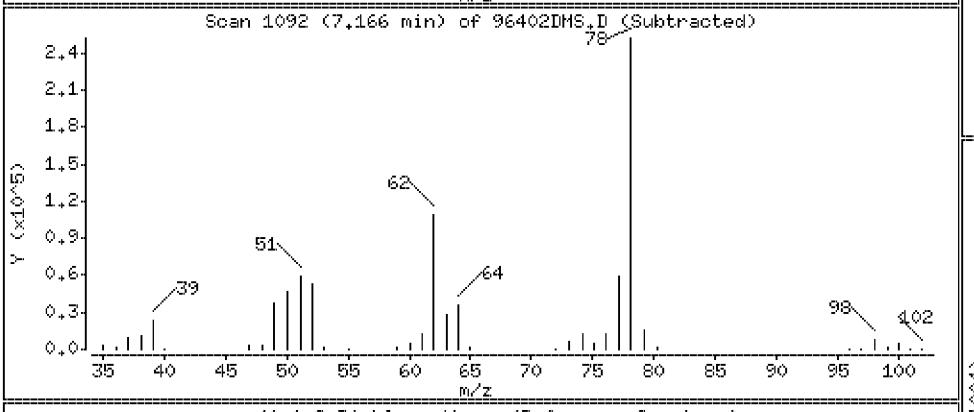
Sample Info: 250696402;2506964;5;

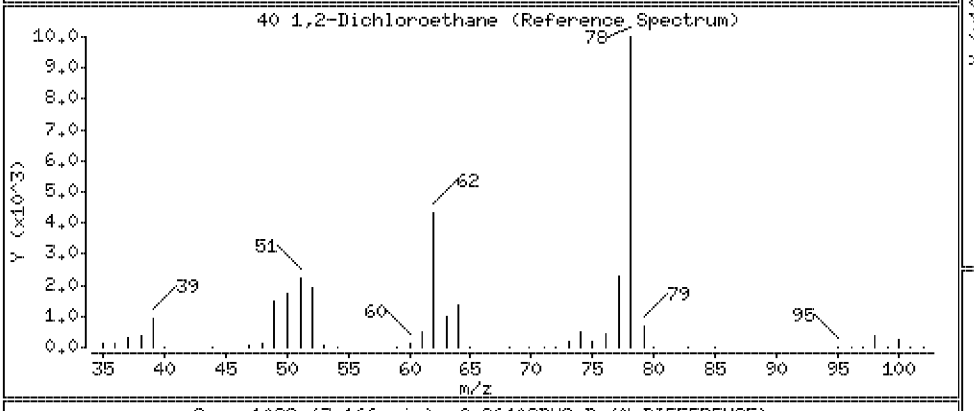
Purge Volume: 5.0 Operator:

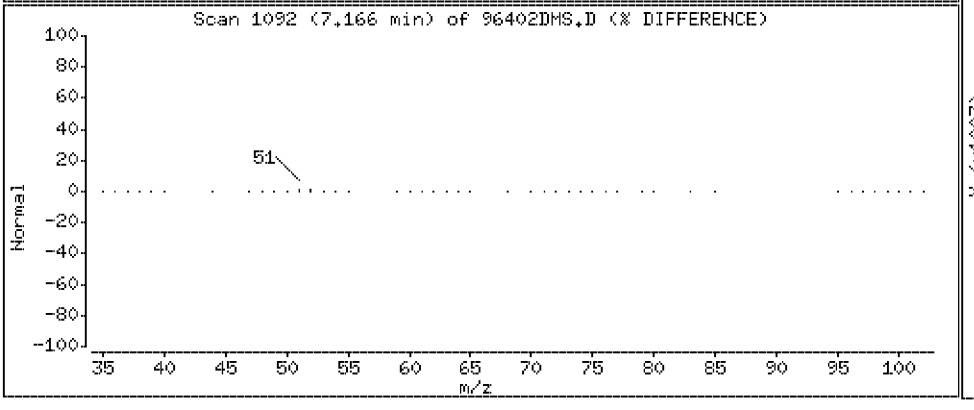
Column phase: DB-624 Column diameter: 0.18

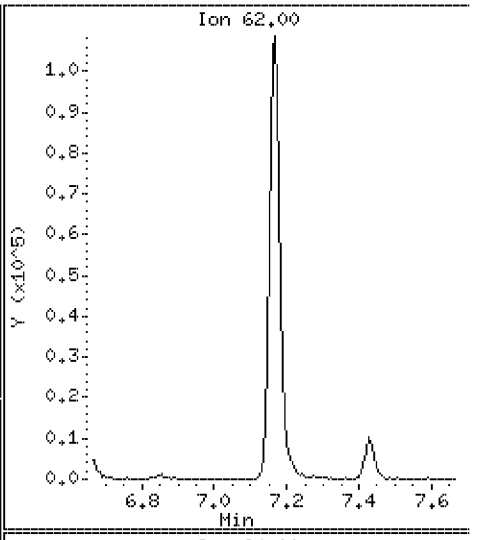
40 1,2-Dichloroethane Concentration: 96.5 ug/l

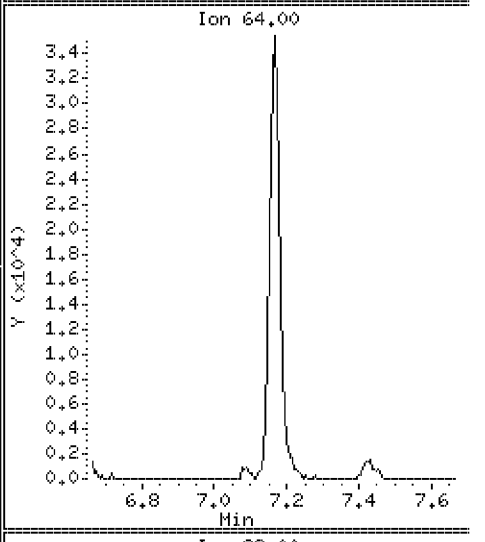


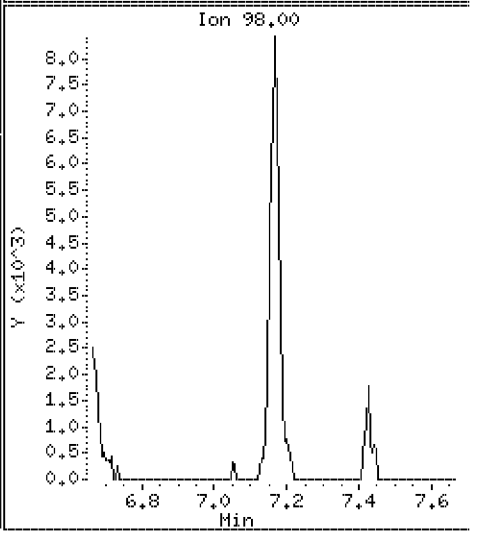












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

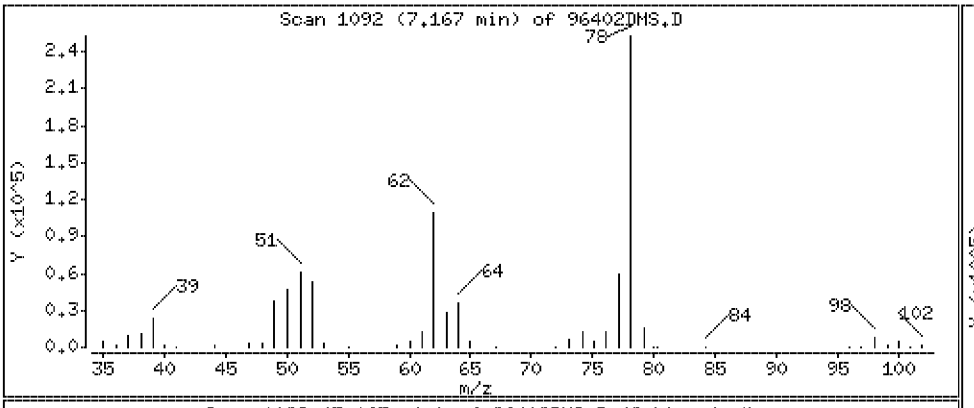
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

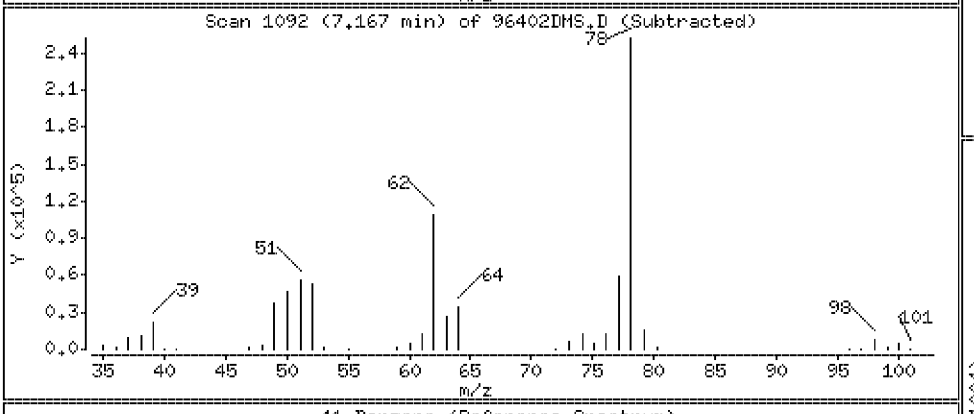
Sample Info: 250696402;2506964;5;

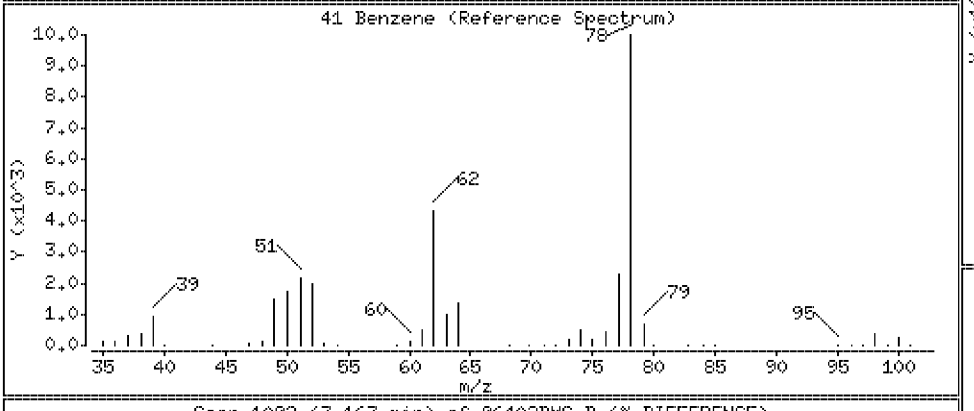
Purge Volume: 5.0 Operator:

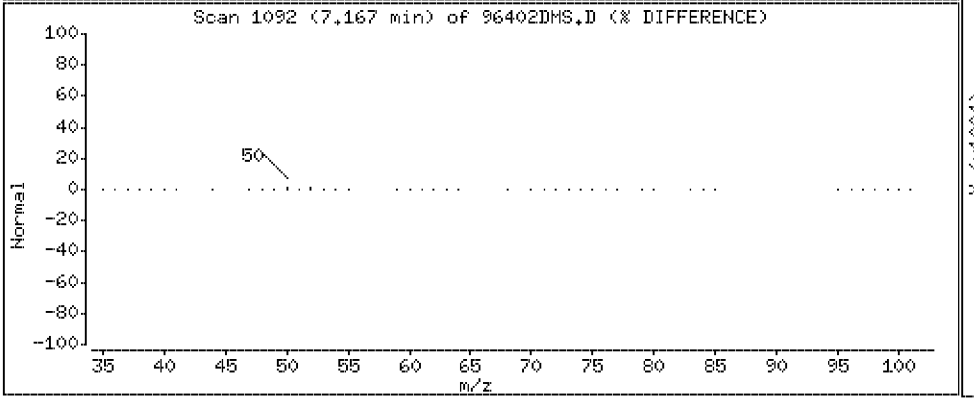
Column phase: DB-624 Column diameter: 0.18

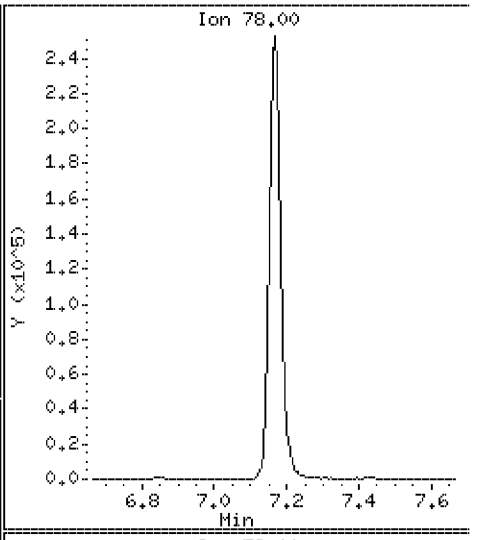
41 Benzene Concentration: 102 ug/l

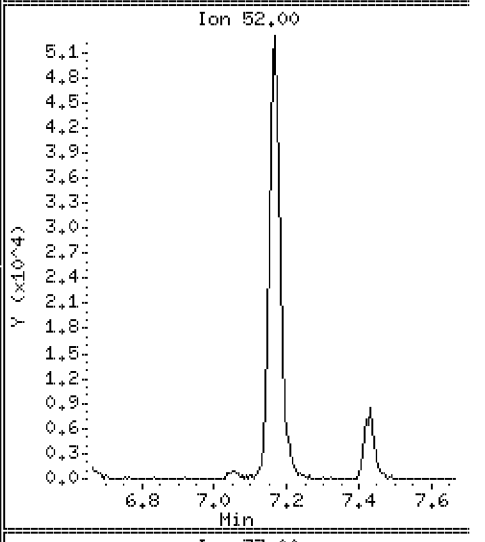


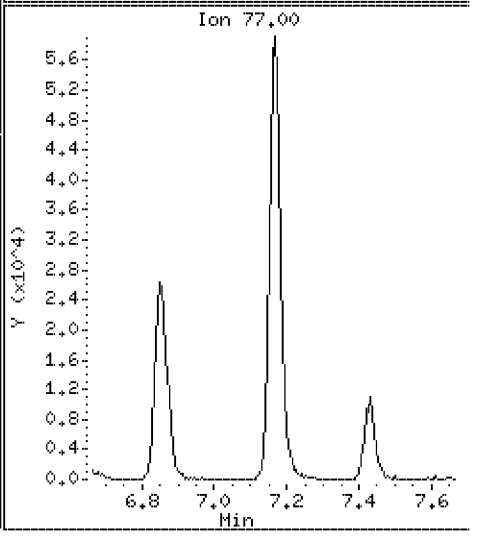












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Date : 15-JUN-2007 11:05

Client ID: TO0540AMSBLDL1

Instrument: vms03.i

Sample Info: 250696402;2506964;5;

Purge Volume: 5.0

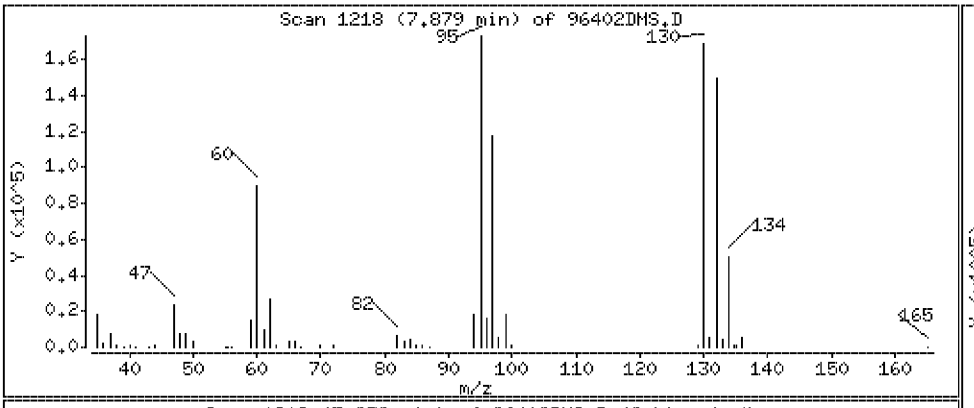
Operator:

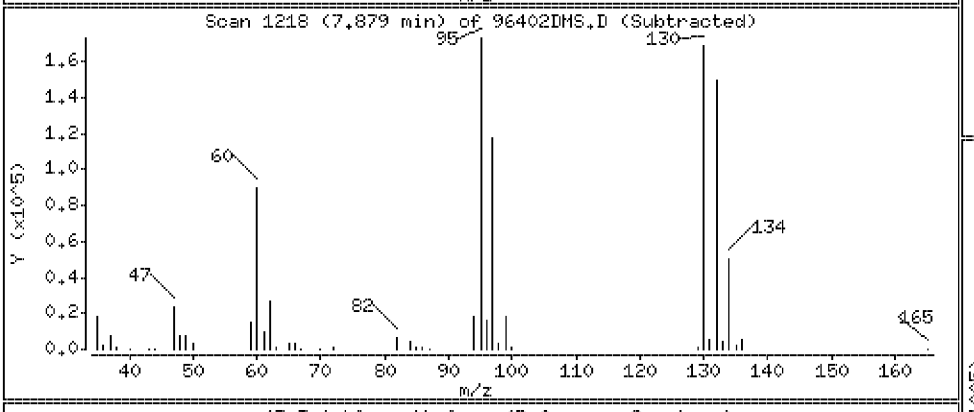
Column phase: DB-624

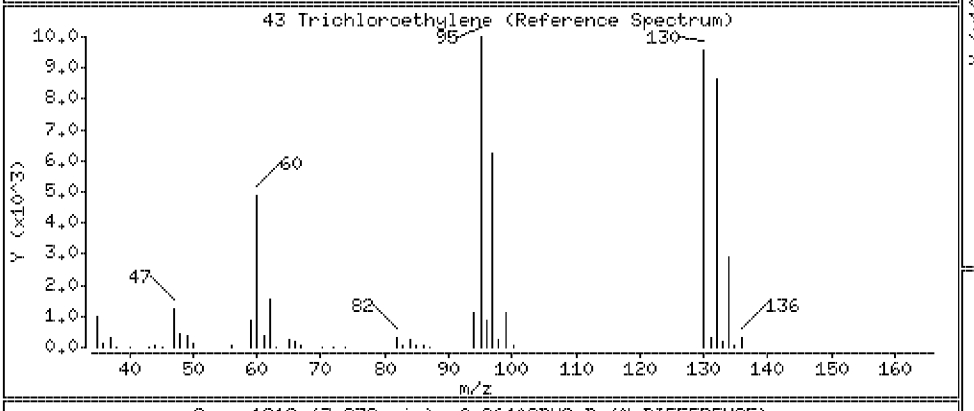
Column diameter: 0.18

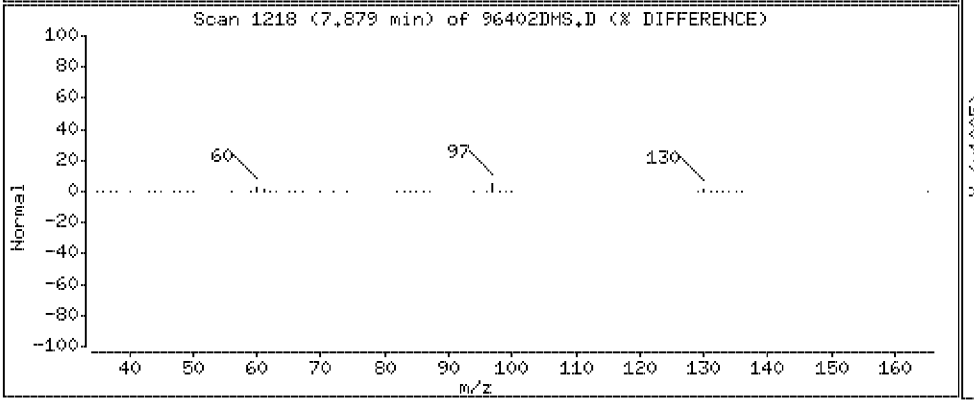
43 Trichloroethylene

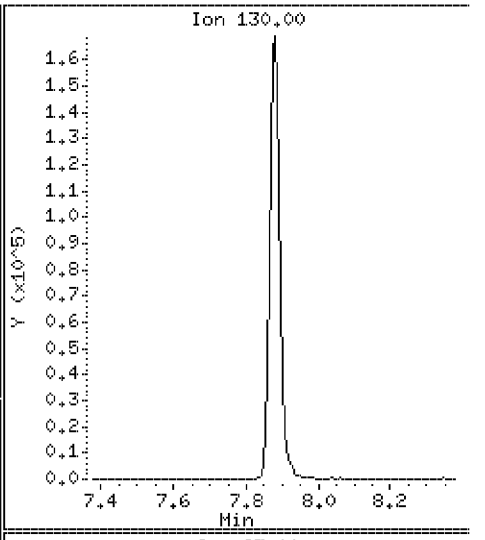
Concentration: 236 ug/l

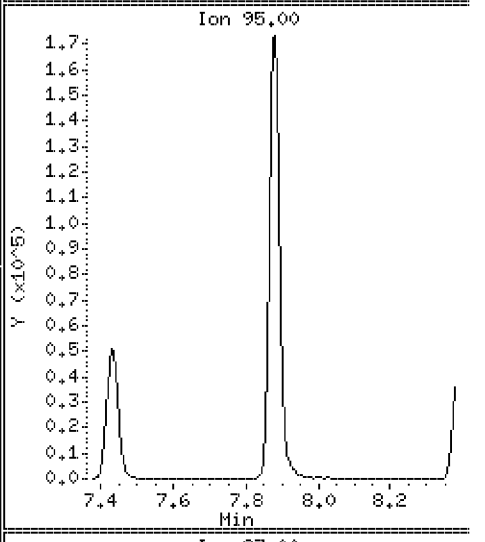


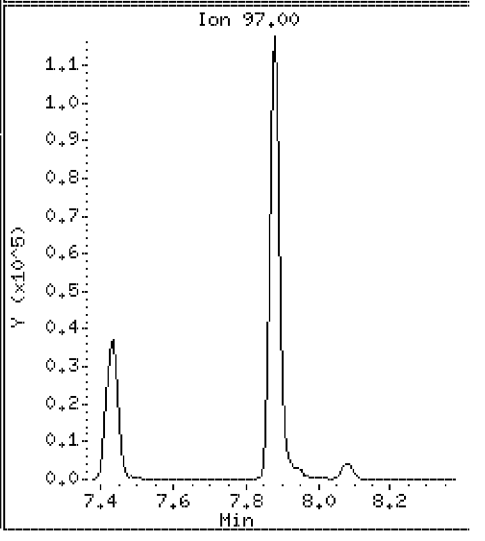












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

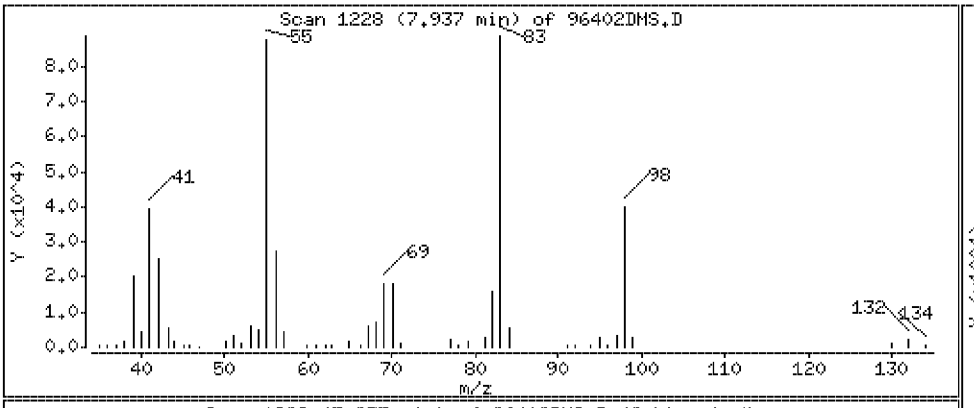
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

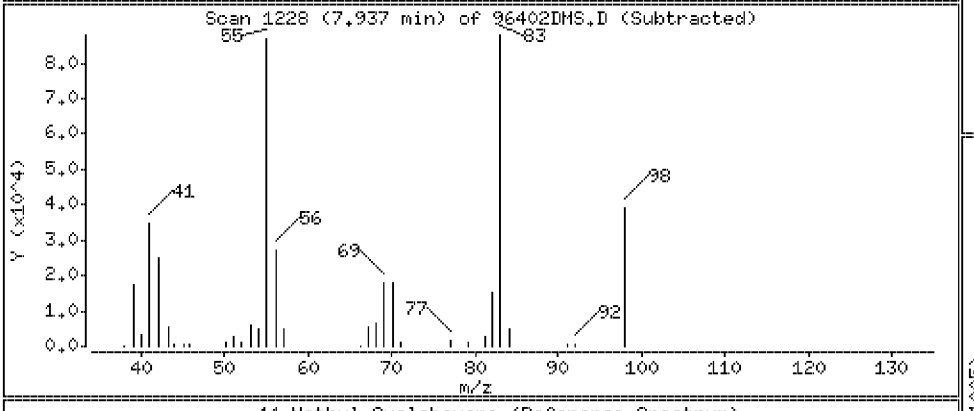
Sample Info: 250696402;2506964;5;

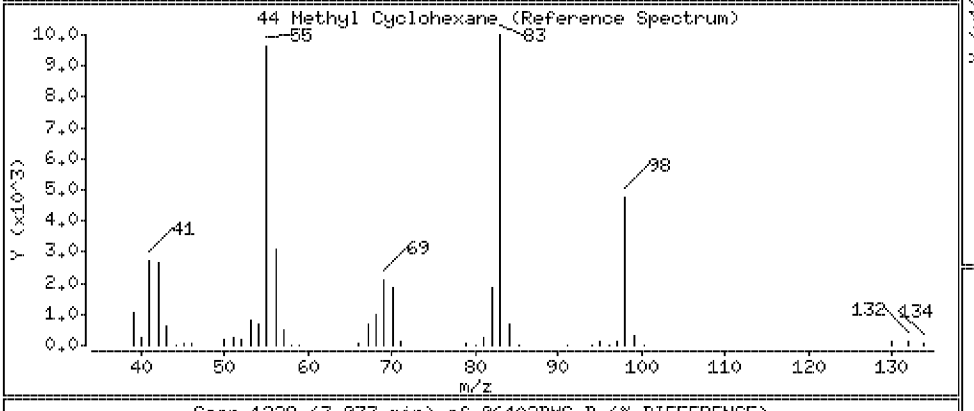
Purge Volume: 5.0 Operator:

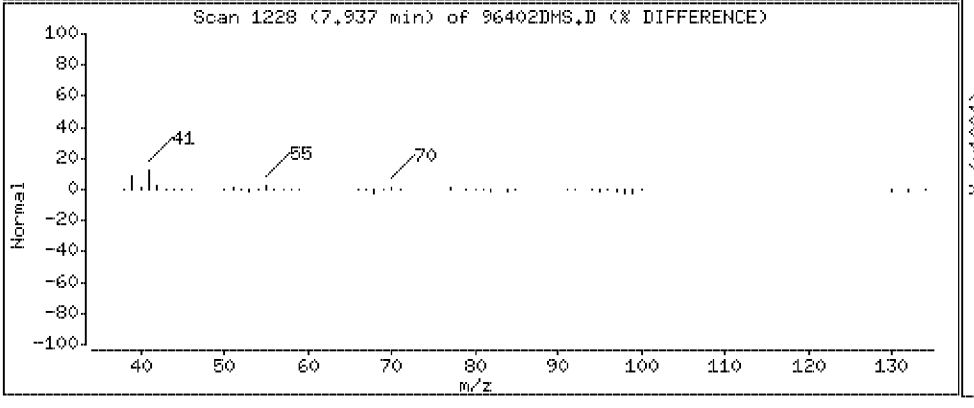
Column phase: DB-624 Column diameter: 0.18

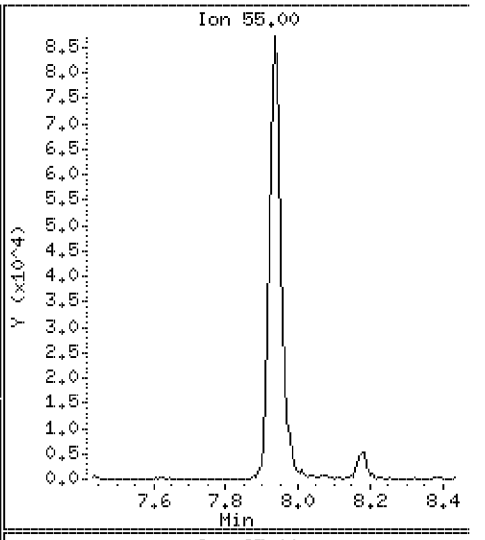
44 Methyl Cyclohexane Concentration: 103 ug/l

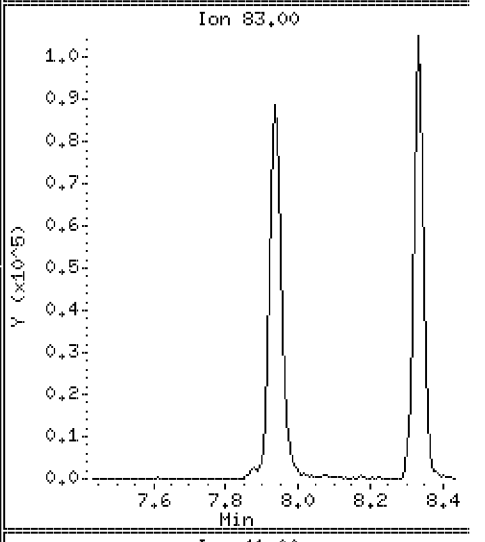


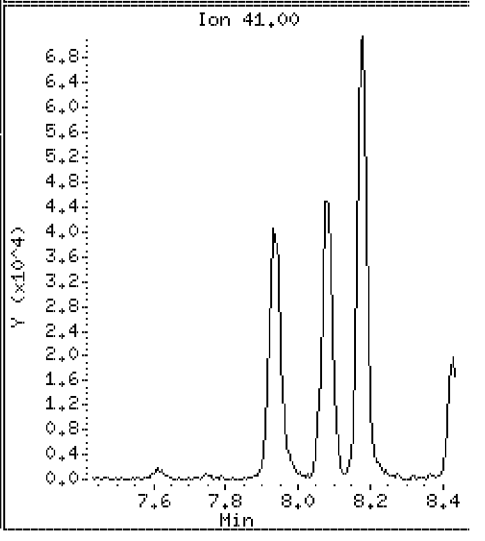












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

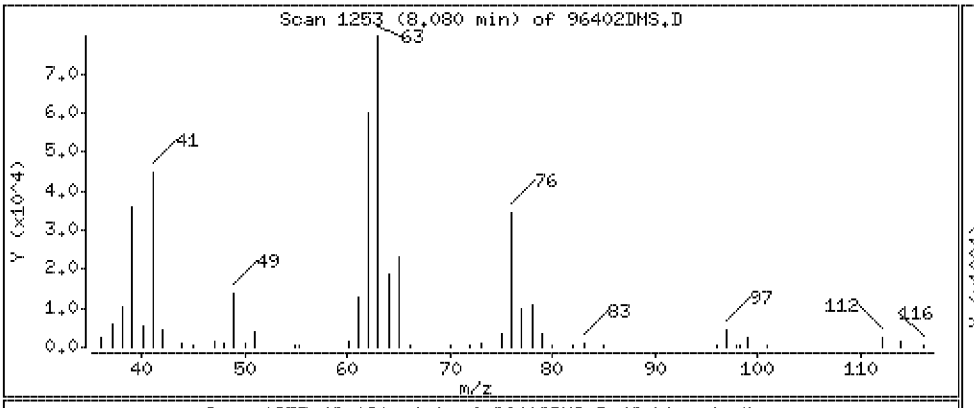
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

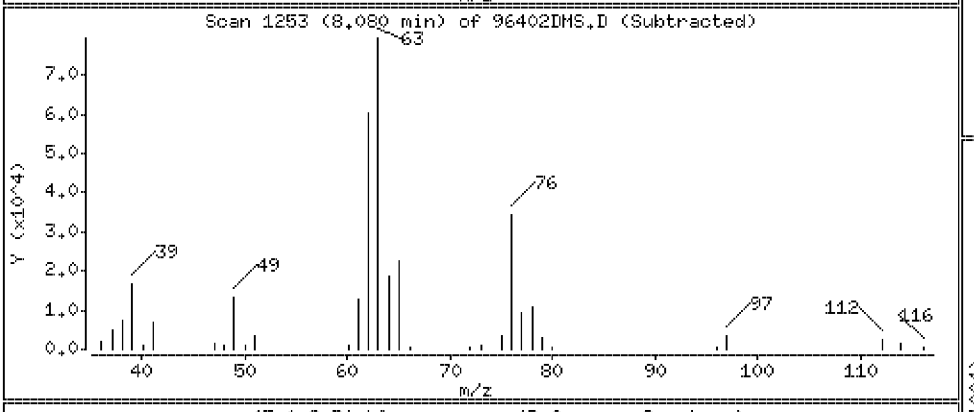
Sample Info: 250696402;2506964;5;

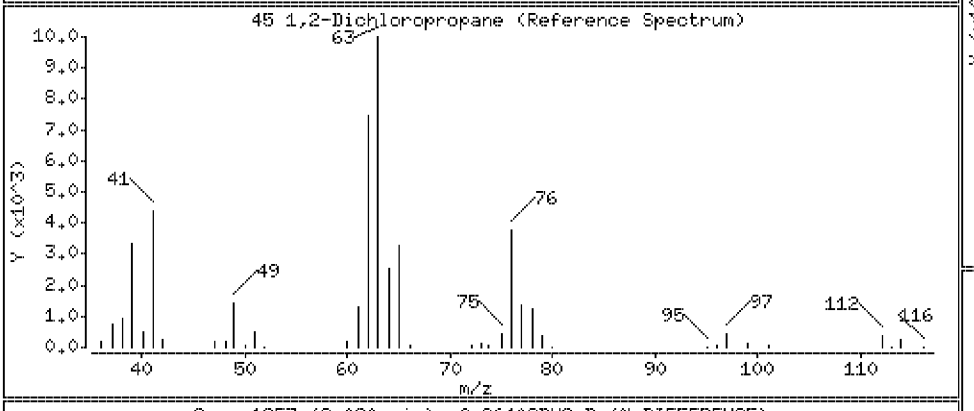
Purge Volume: 5.0 Operator:

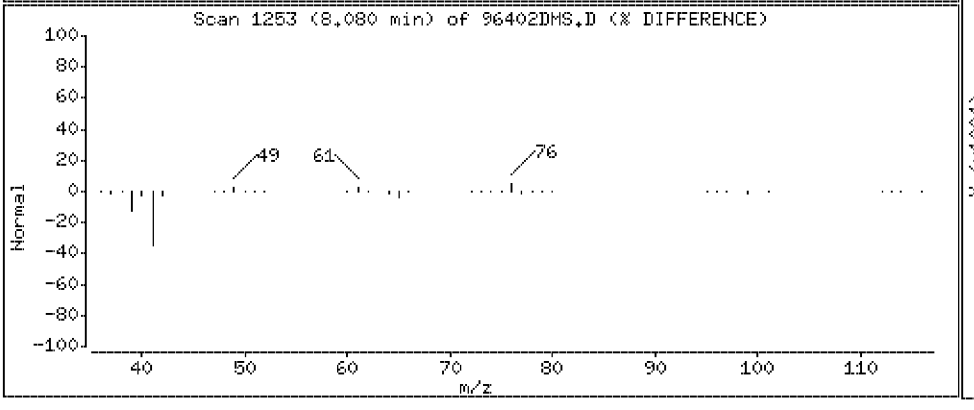
Column phase: DB-624 Column diameter: 0.18

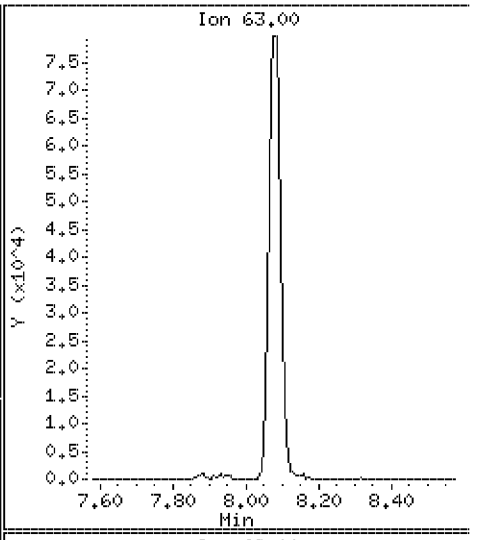
45 1,2-Dichloropropane Concentration: 103 ug/l

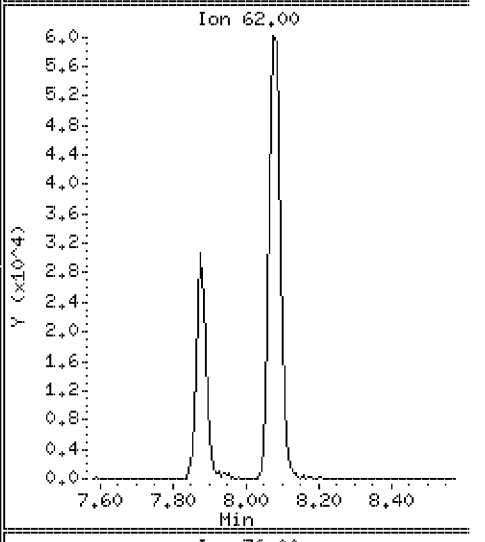


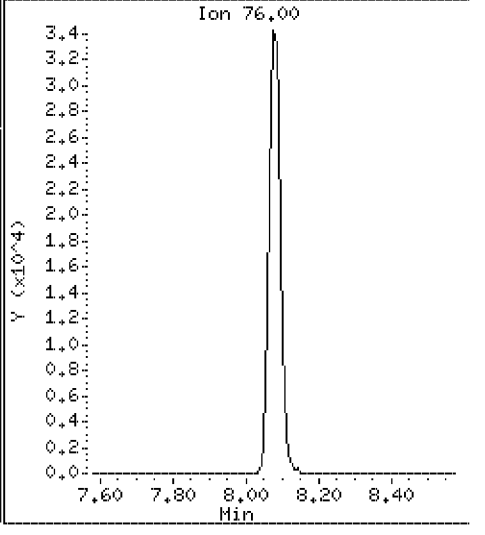












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Date : 15-JUN-2007 11:05

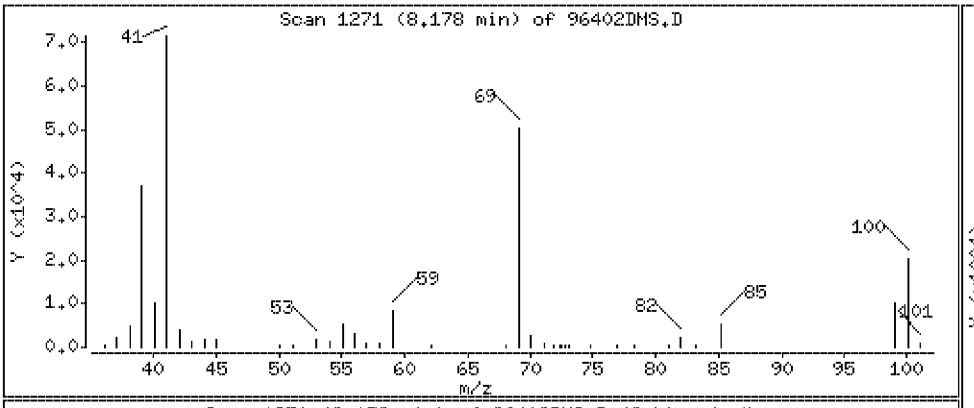
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

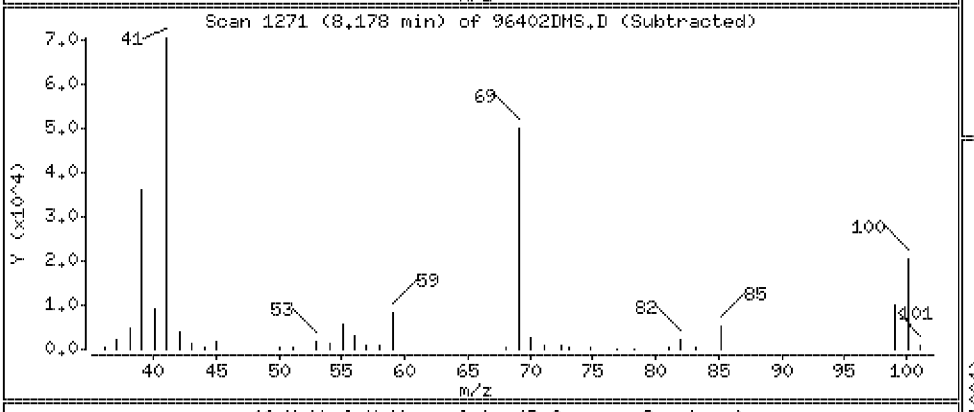
Sample Info: 250696402;2506964;5;

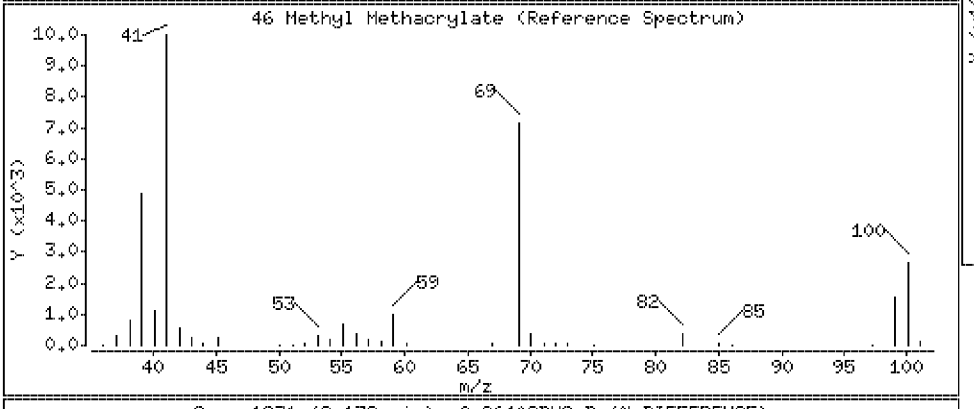
Purge Volume: 5.0 Operator:

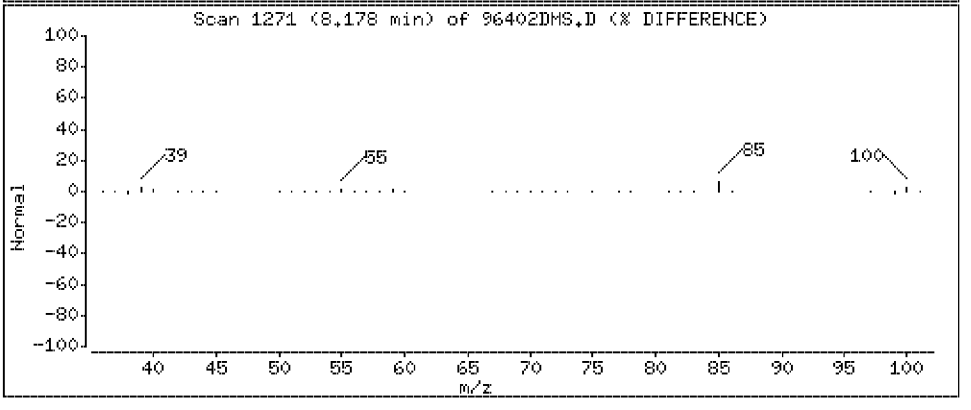
Column phase: DB-624 Column diameter: 0.18

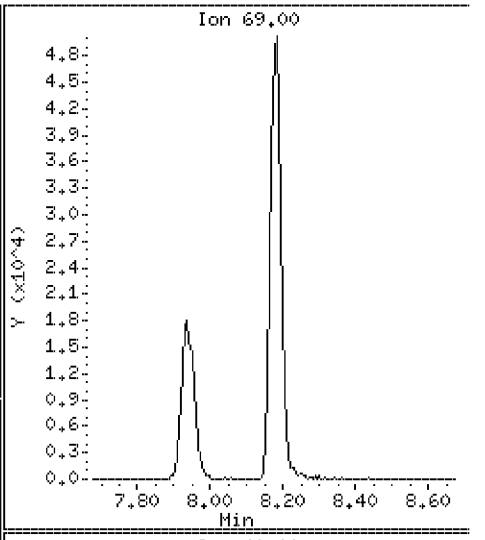
46 Methyl Methacrylate Concentration: 104 ug/l

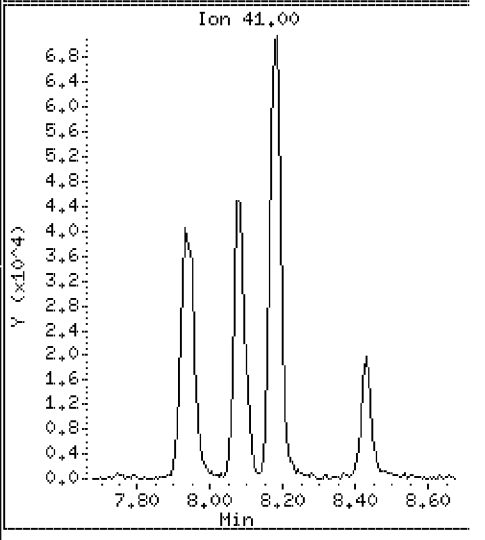












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Date : 15-JUN-2007 11:05

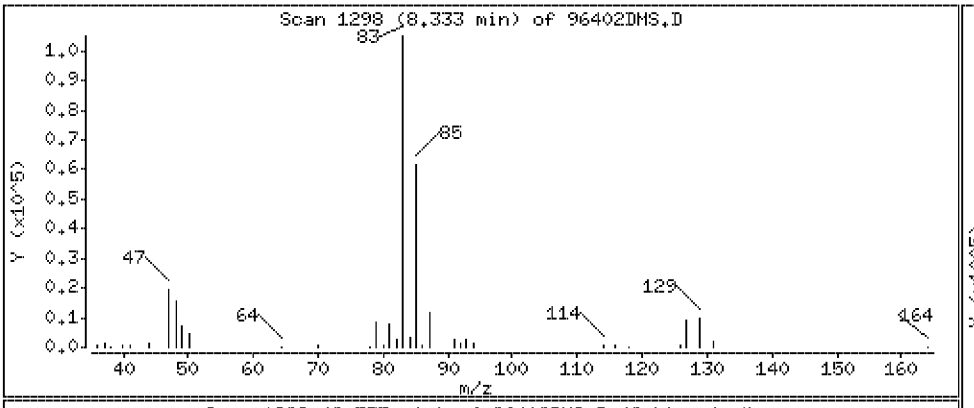
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

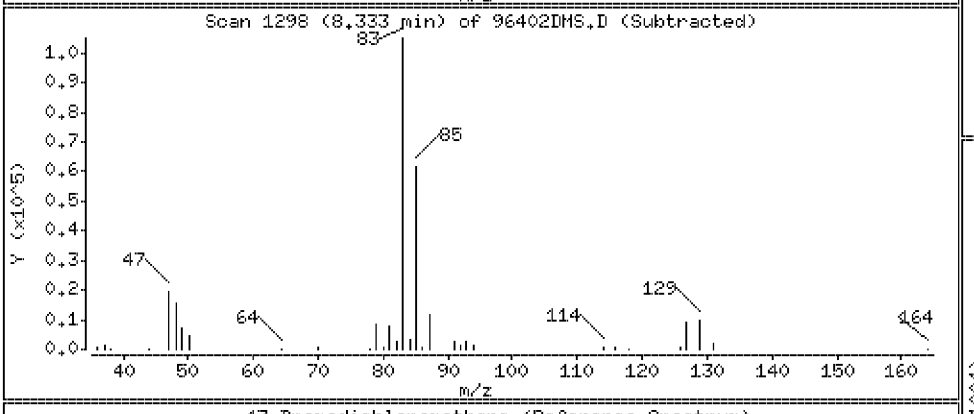
Sample Info: 250696402;2506964;5;

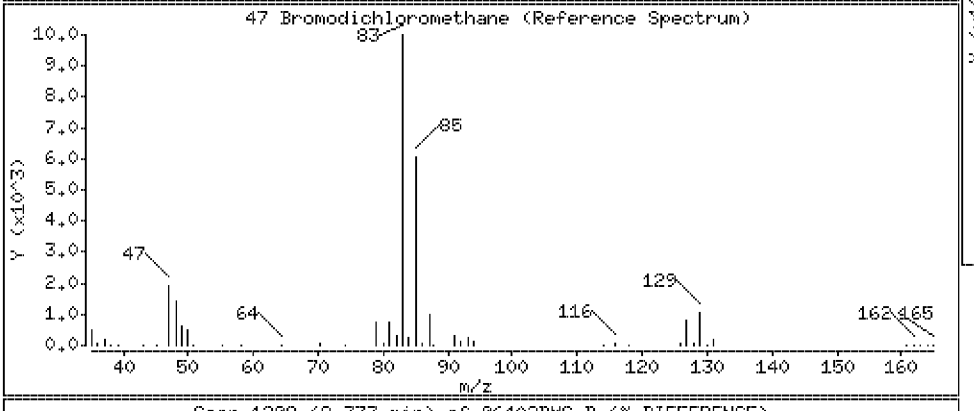
Purge Volume: 5.0 Operator:

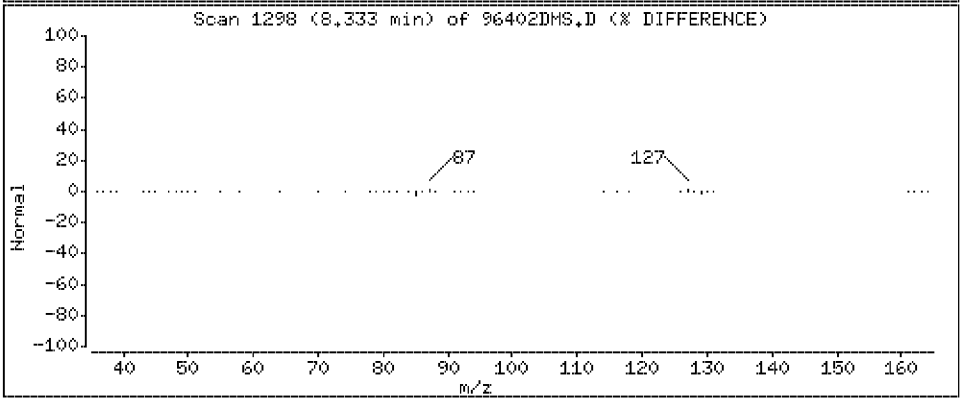
Column phase: DB-624 Column diameter: 0.18

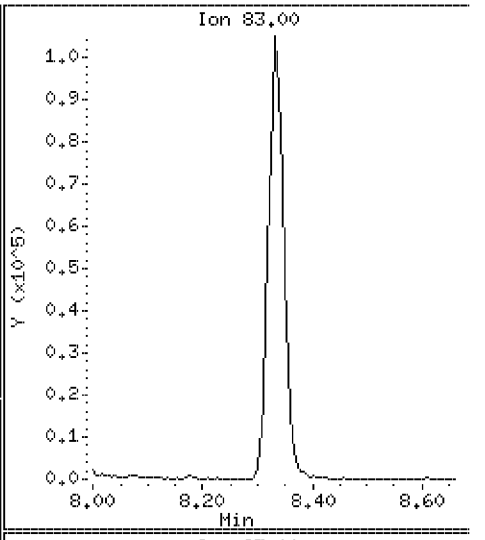
47 Bromodichloromethane Concentration: 98.5 ug/l

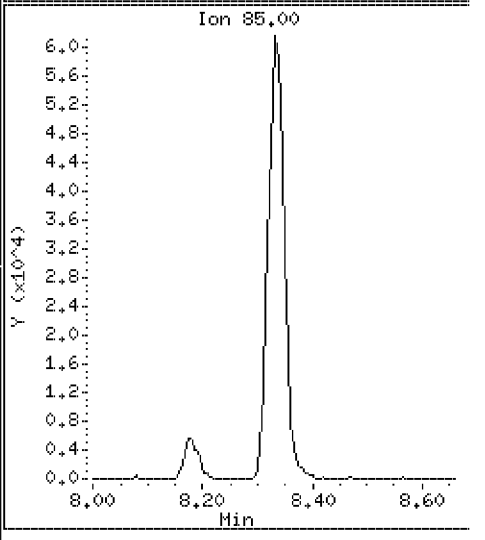












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Date : 15-JUN-2007 11:05

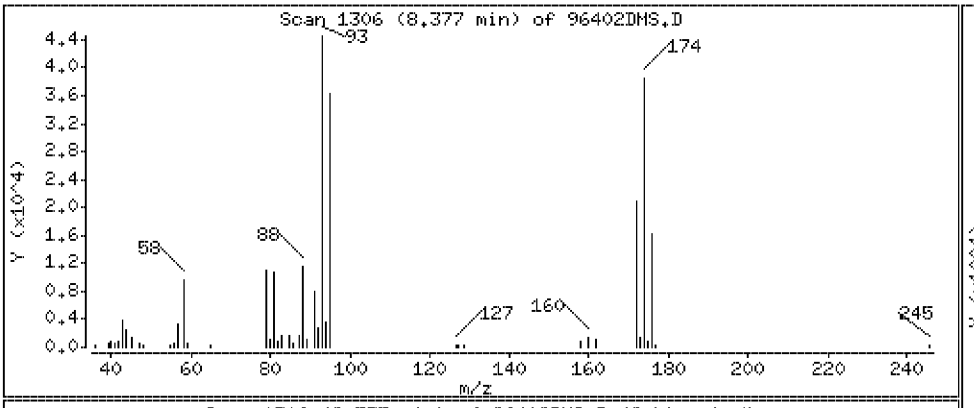
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

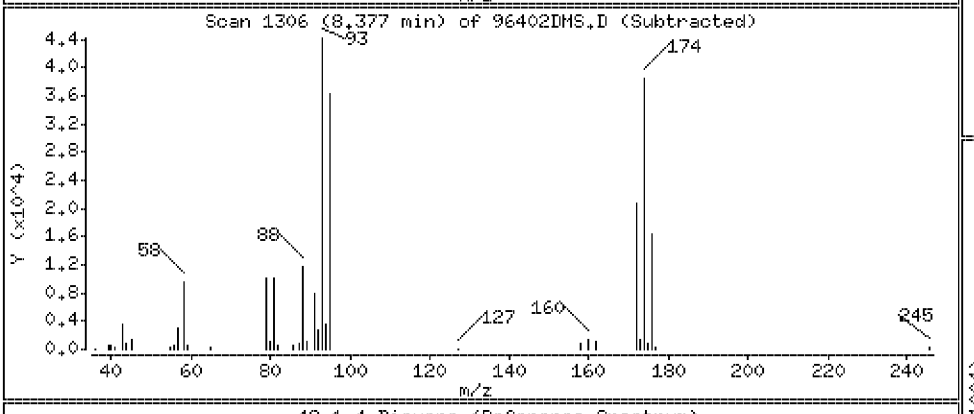
Sample Info: 250696402;2506964;5;

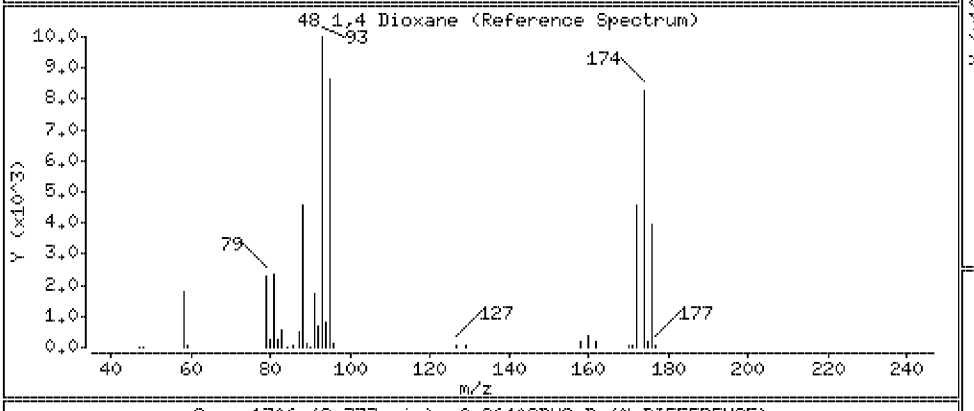
Purge Volume: 5.0 Operator:

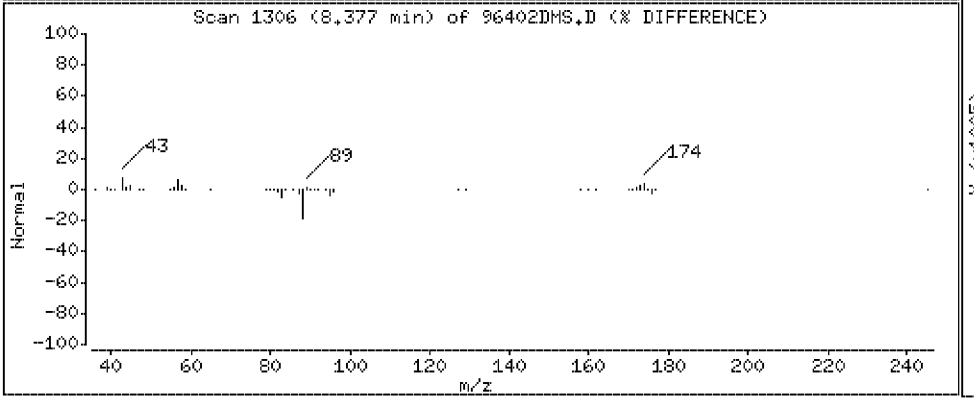
Column phase: DB-624 Column diameter: 0.18

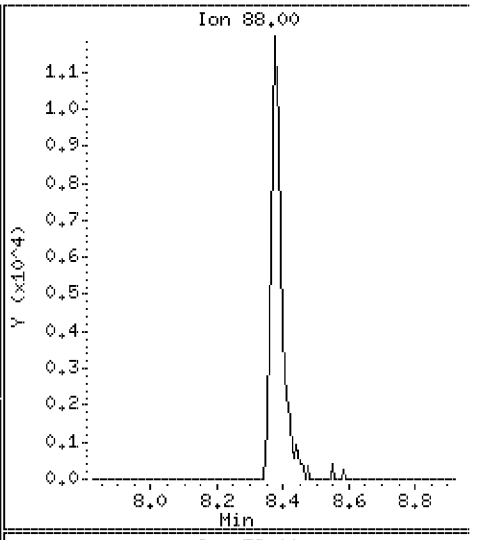
48 1,4 Dioxane Concentration: 2040 ug/l

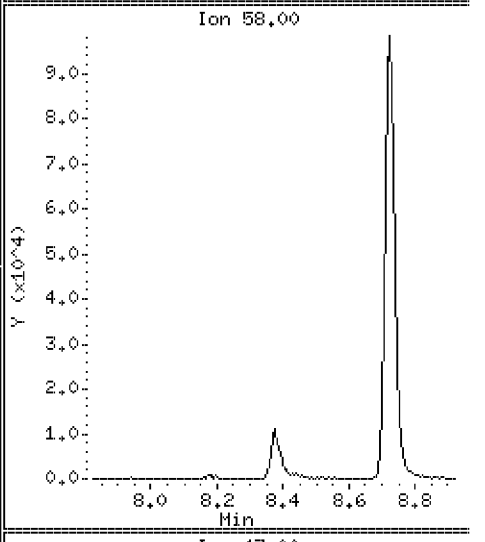


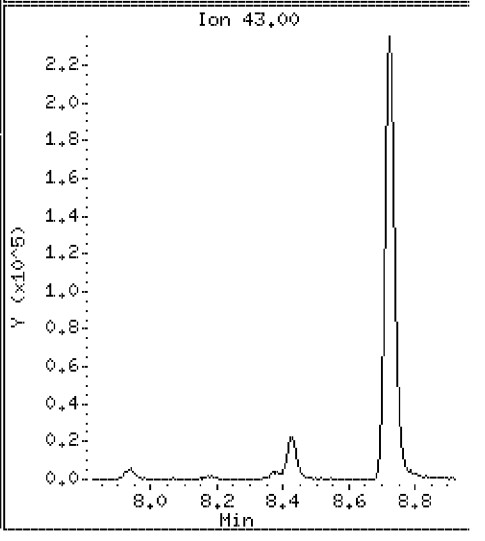












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

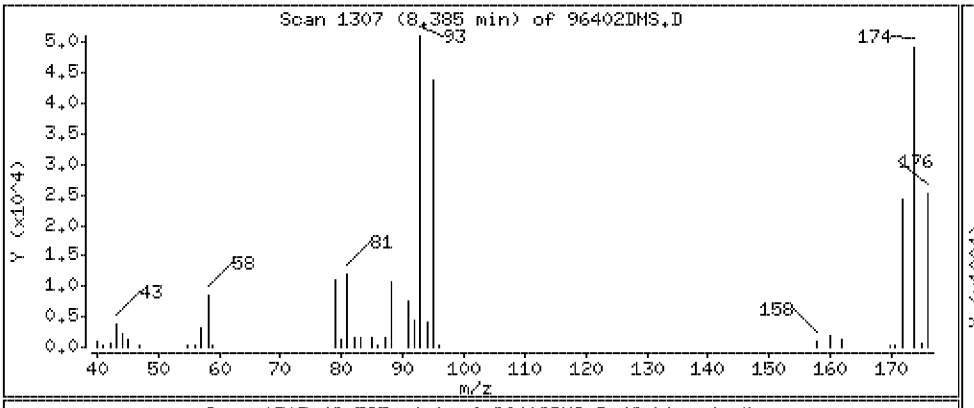
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

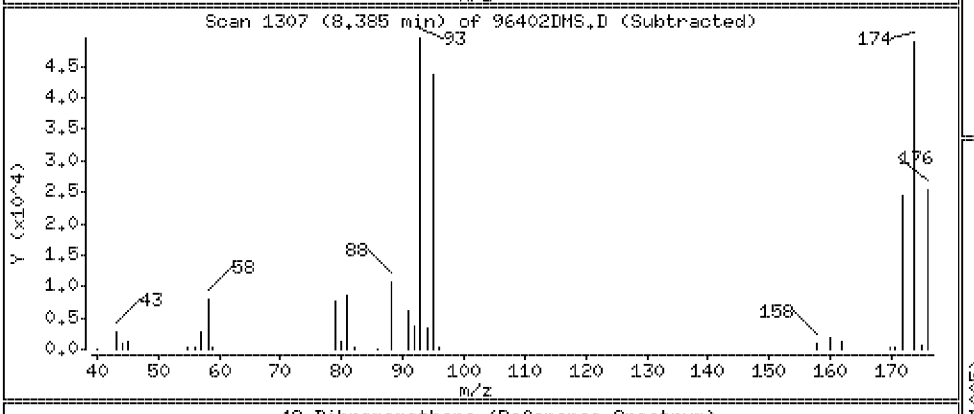
Sample Info: 250696402;2506964;5;

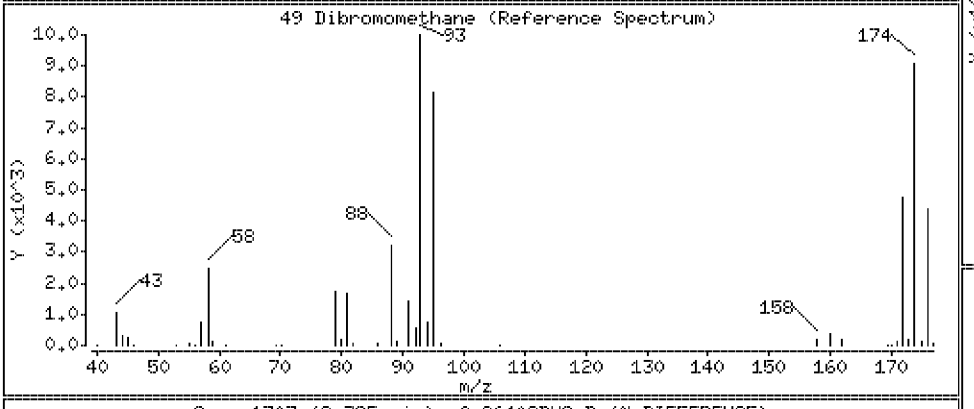
Purge Volume: 5.0 Operator:

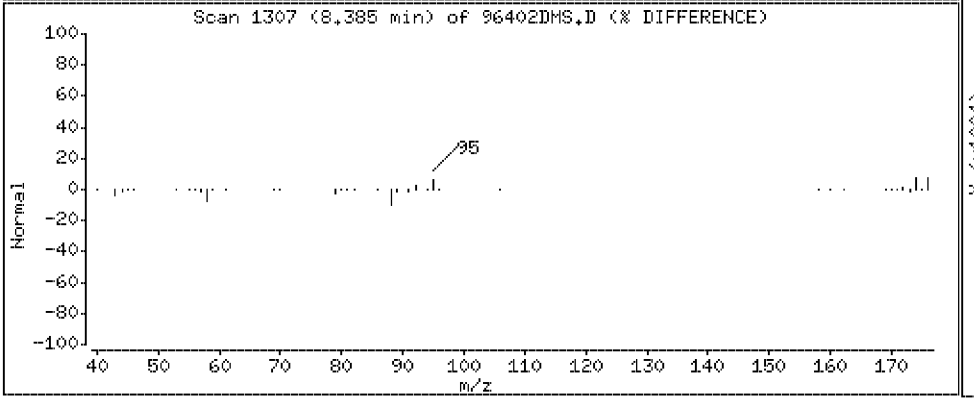
Column phase: DB-624 Column diameter: 0.18

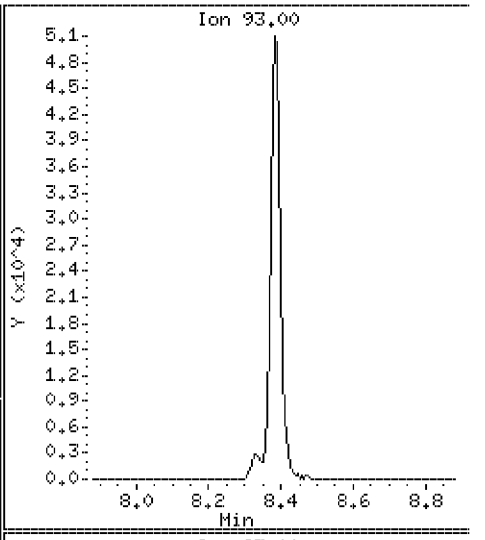
49 Dibromomethane Concentration: 102 ug/l

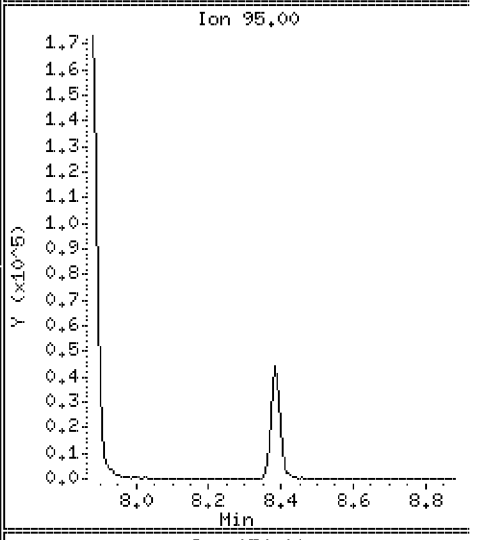


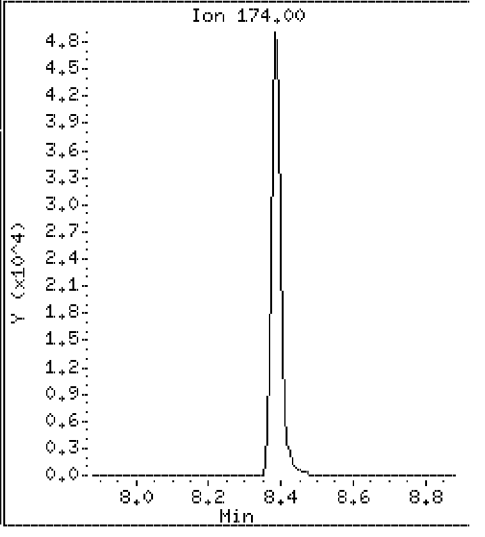












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

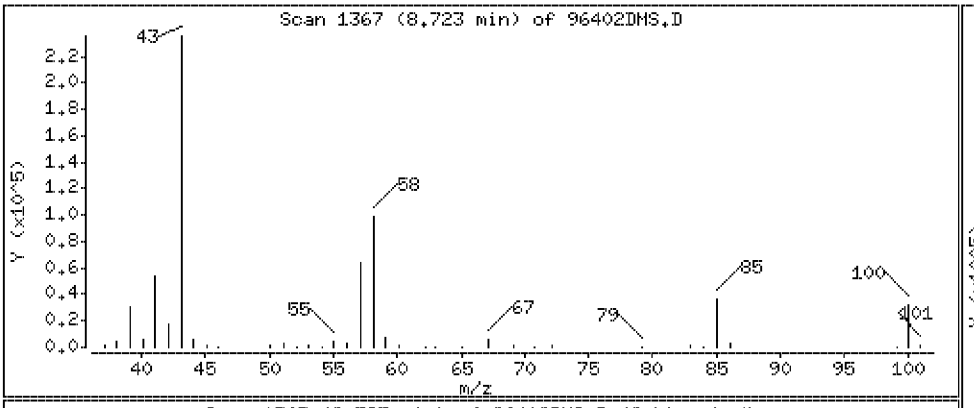
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

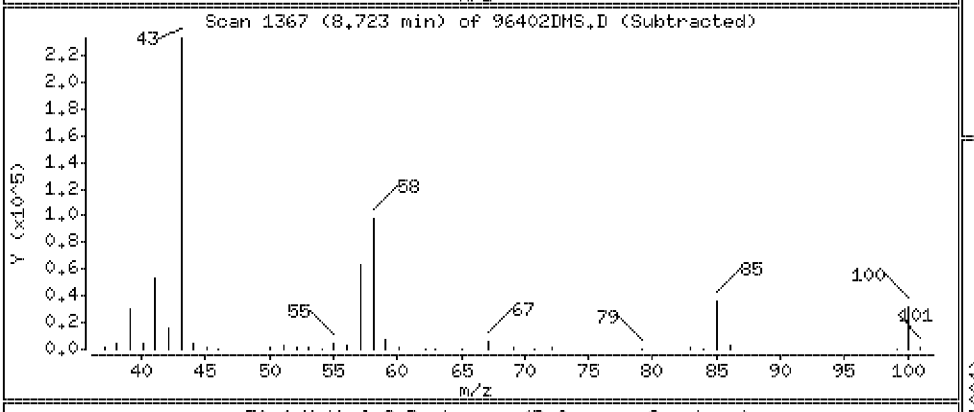
Sample Info: 250696402;2506964;5;

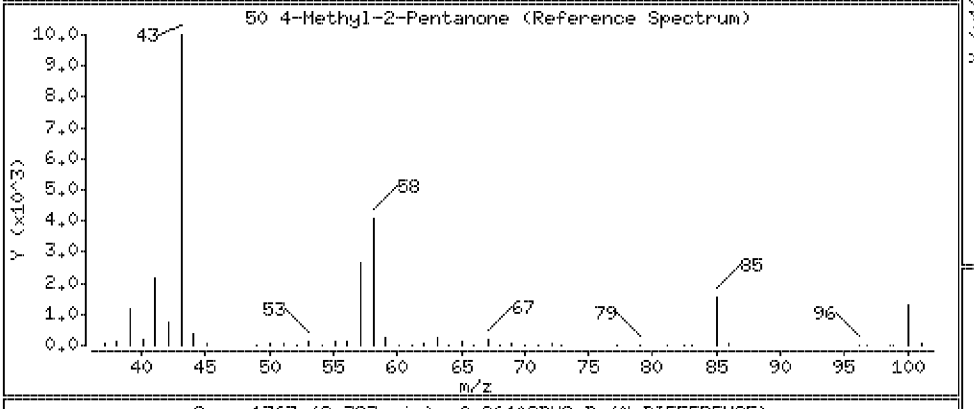
Purge Volume: 5.0 Operator:

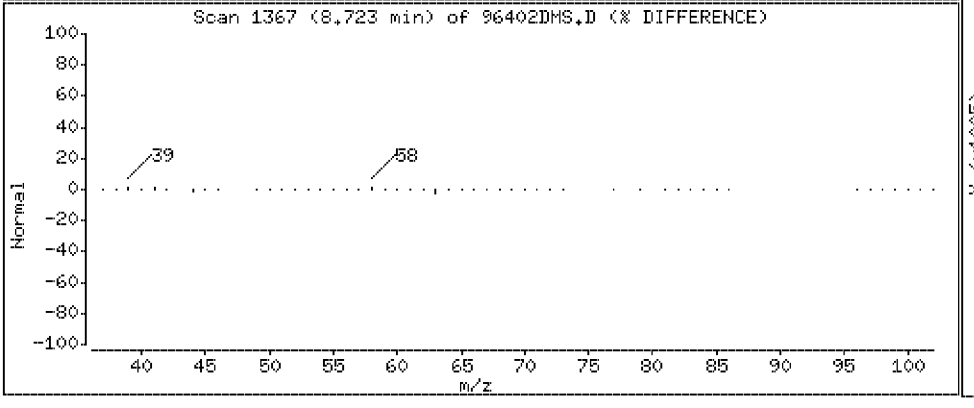
Column phase: DB-624 Column diameter: 0.18

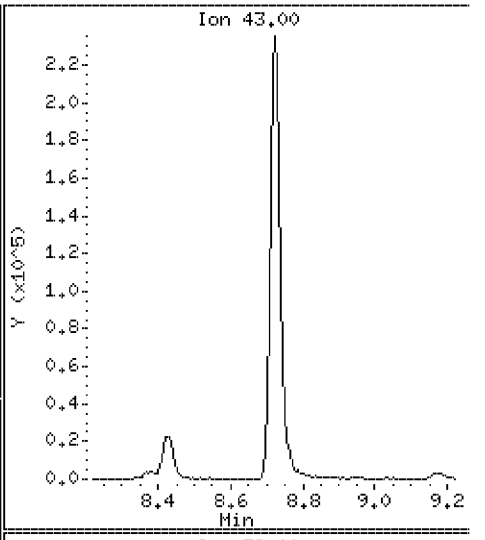
50 4-Methyl-2-Pentanone Concentration: 285 ug/l

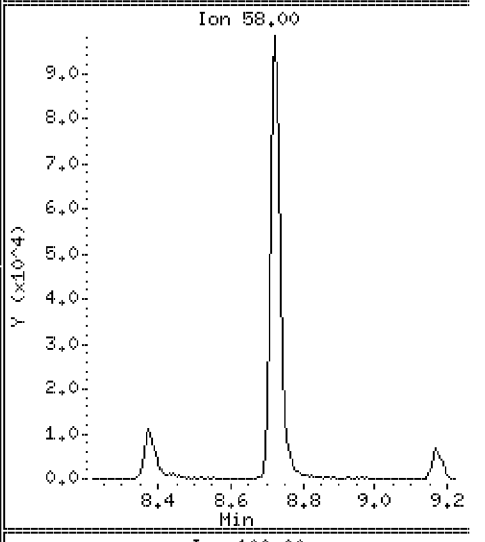


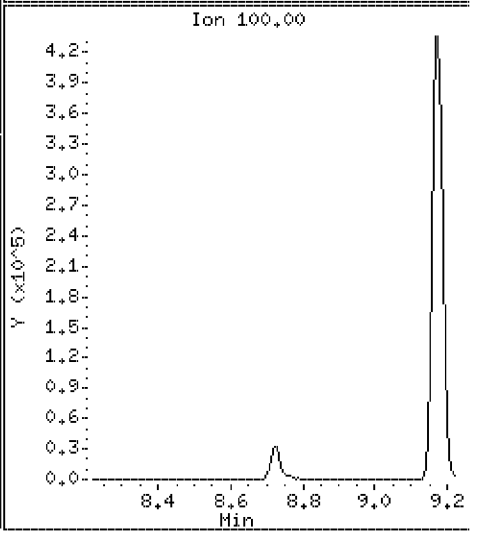












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

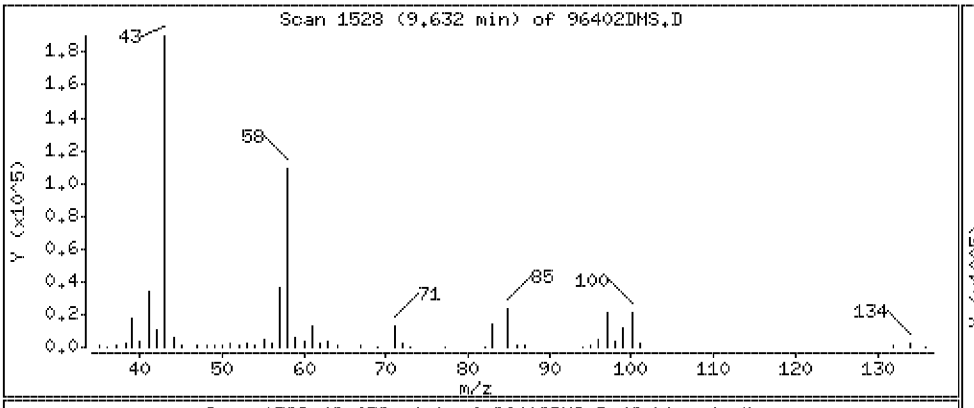
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

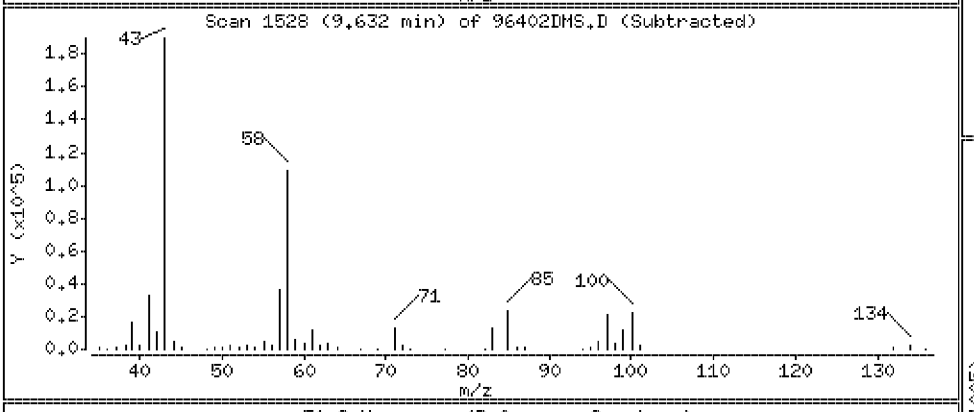
Sample Info: 250696402;2506964;5;

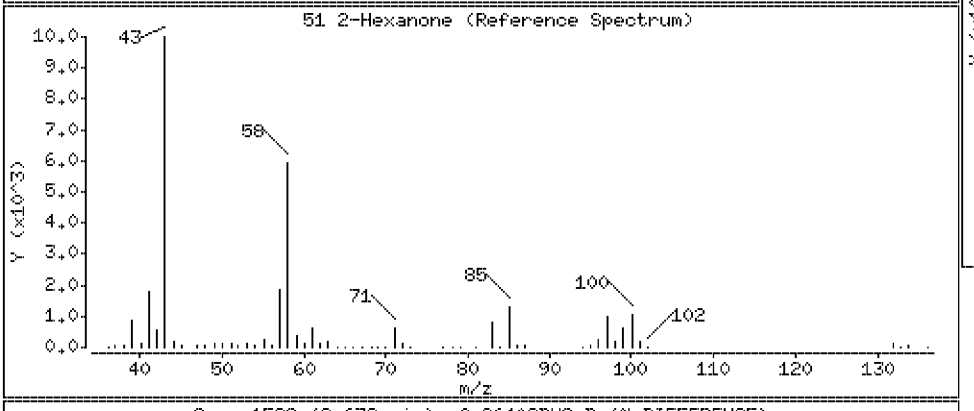
Purge Volume: 5.0 Operator:

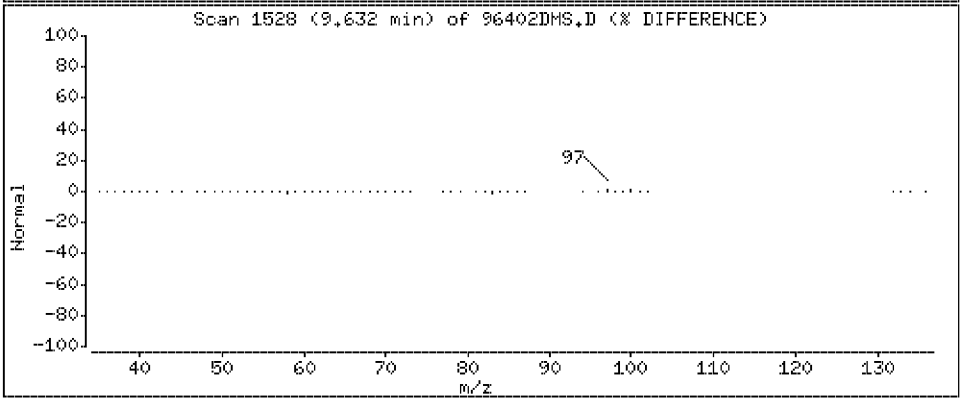
Column phase: DB-624 Column diameter: 0.18

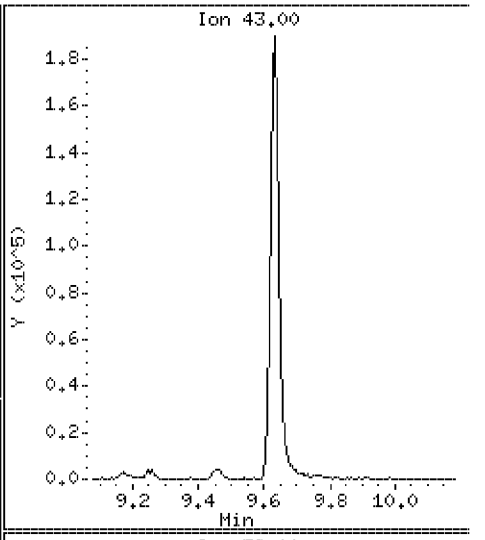
51 2-Hexanone Concentration: 322 ug/l

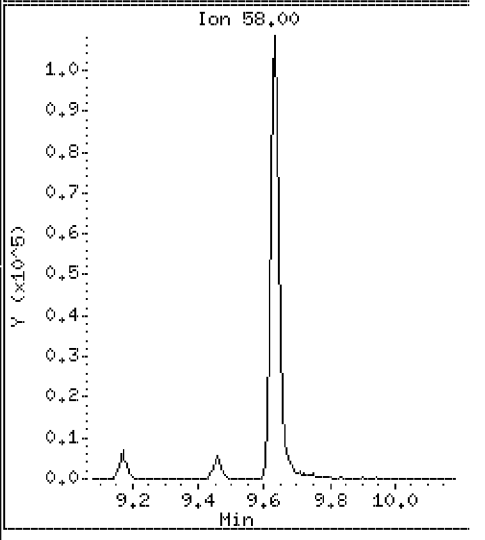












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Date : 15-JUN-2007 11:05

Client ID: TO0540AMSBLDL1

Instrument: vms03.i

Sample Info: 250696402;2506964;5;

Purge Volume: 5.0

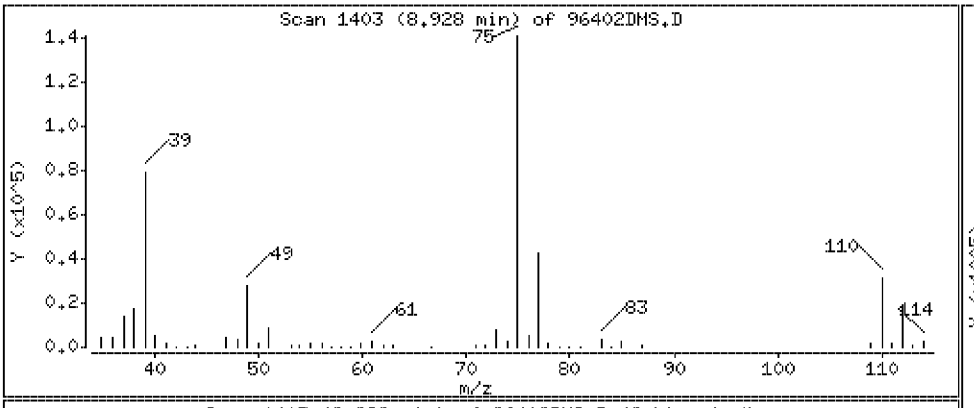
Operator:

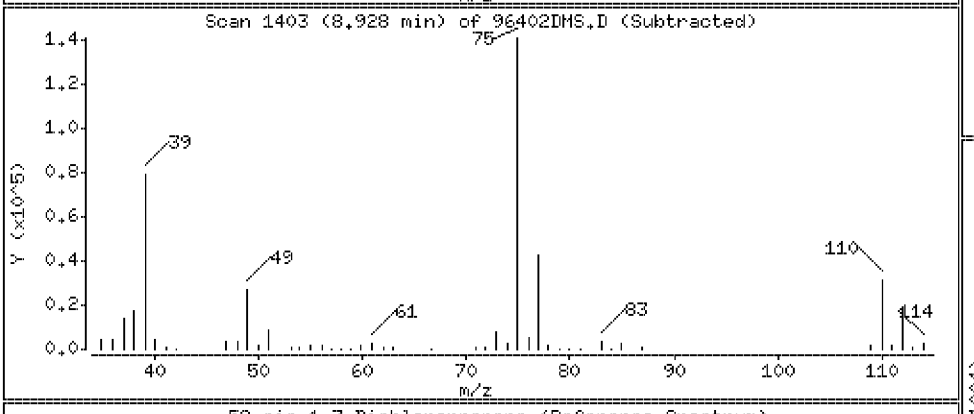
Column phase: DB-624

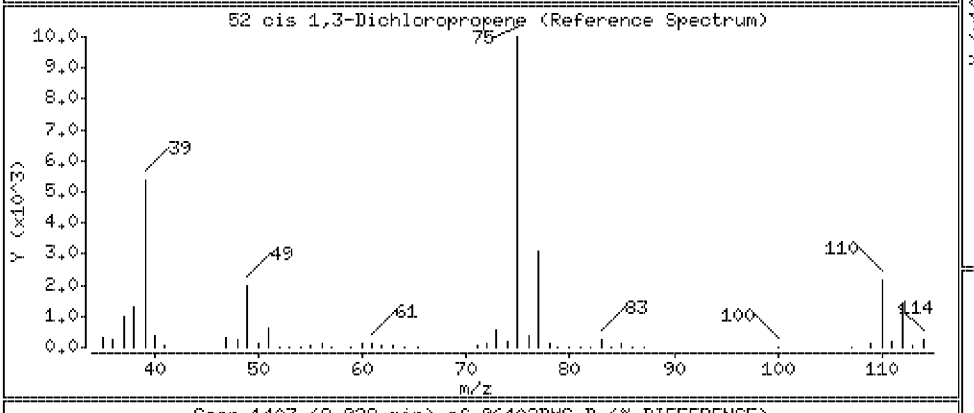
Column diameter: 0.18

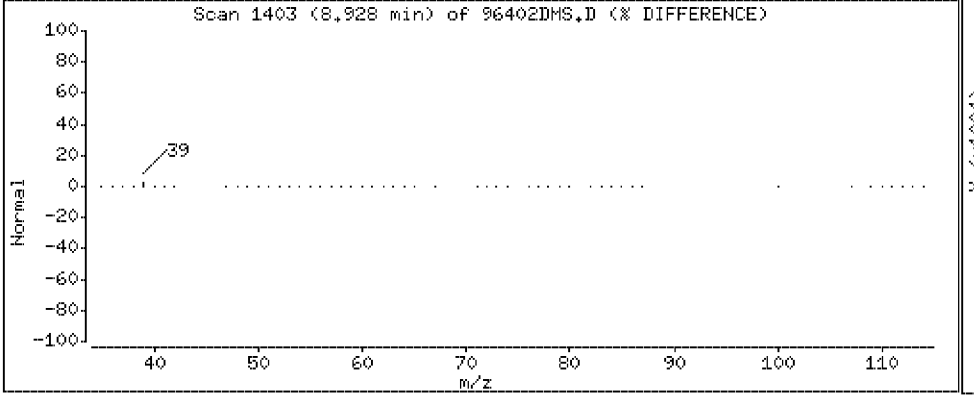
52 cis 1,3-Dichloropropene

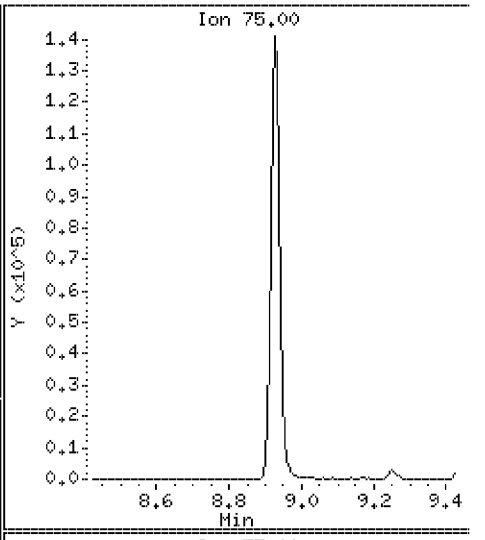
Concentration: 101 ug/l

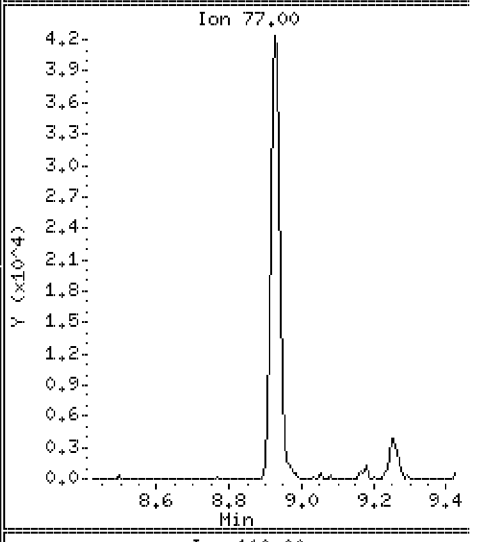


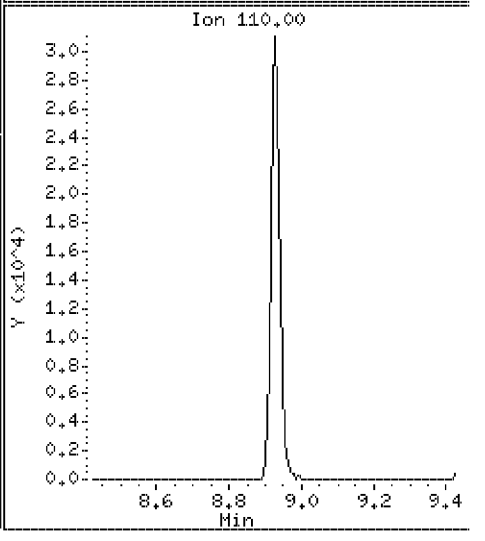












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

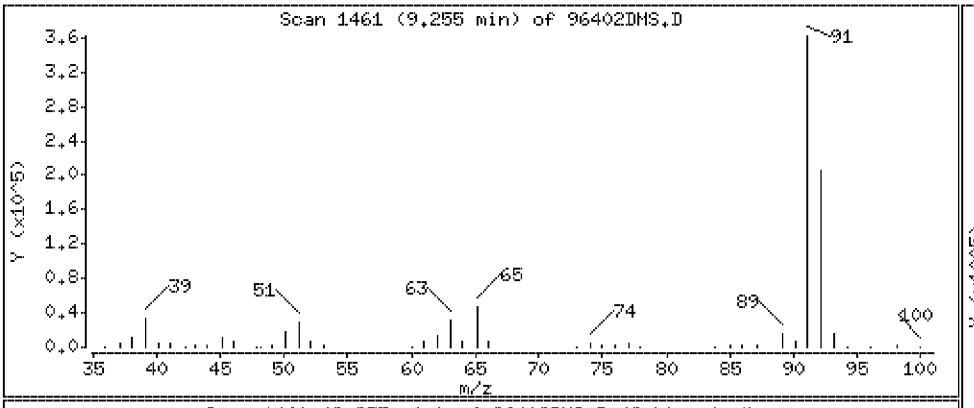
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

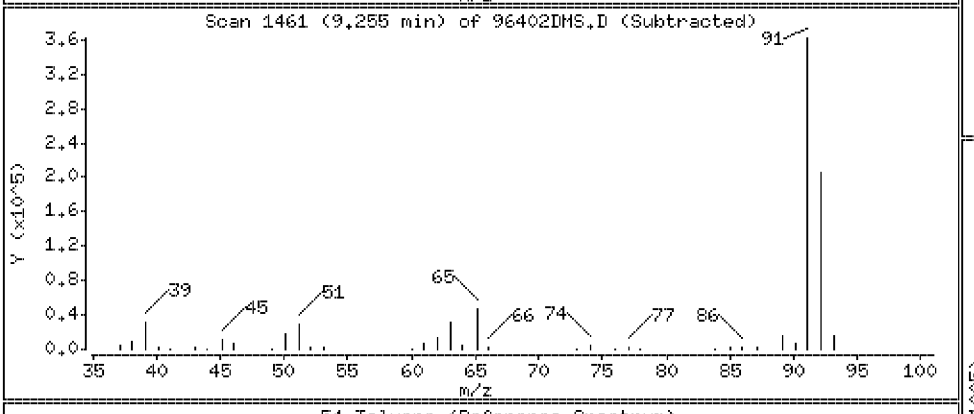
Sample Info: 250696402;2506964;5;

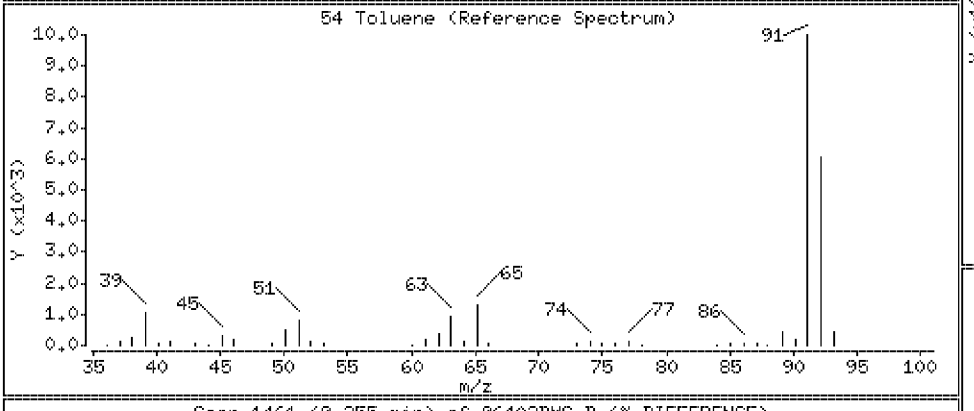
Purge Volume: 5.0 Operator:

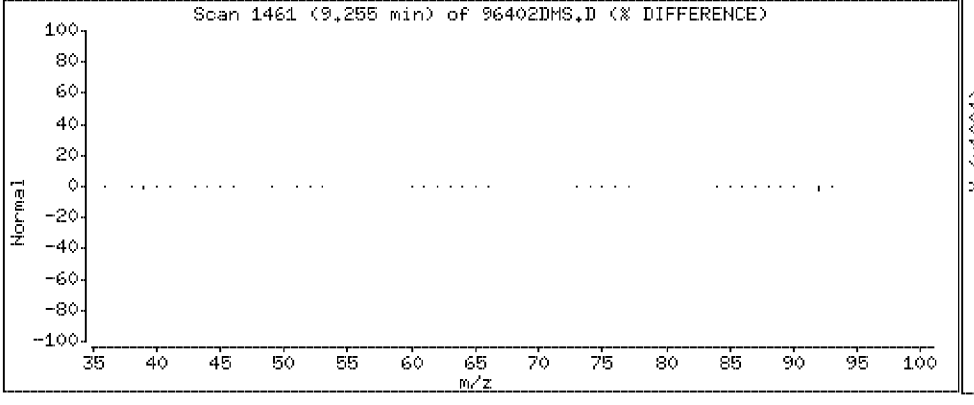
Column phase: DB-624 Column diameter: 0.18

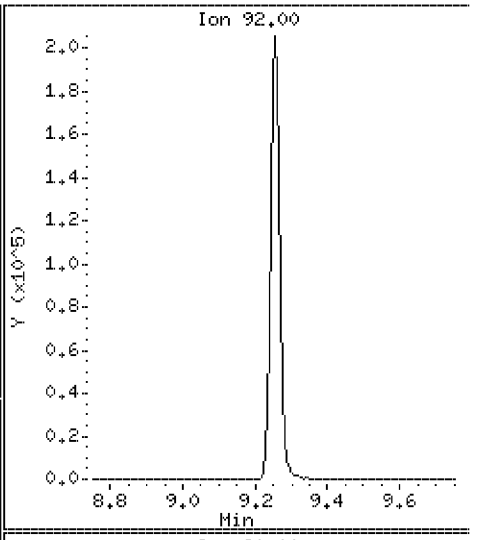
54 Toluene Concentration: 102 ug/l

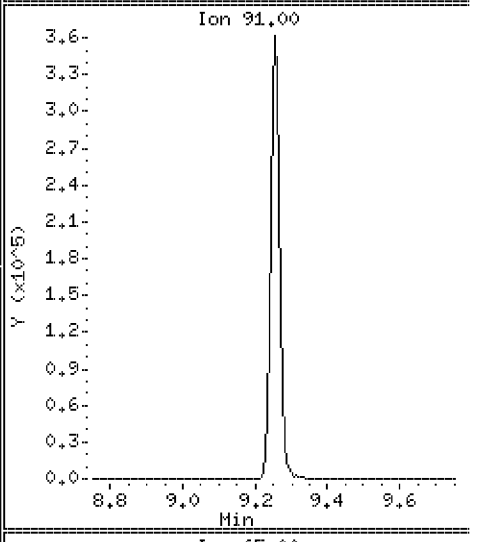


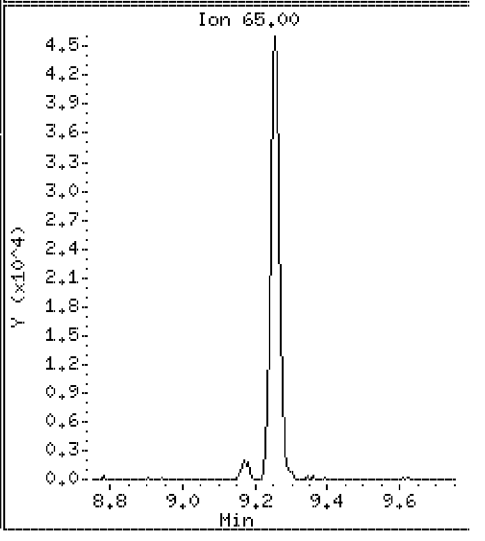












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

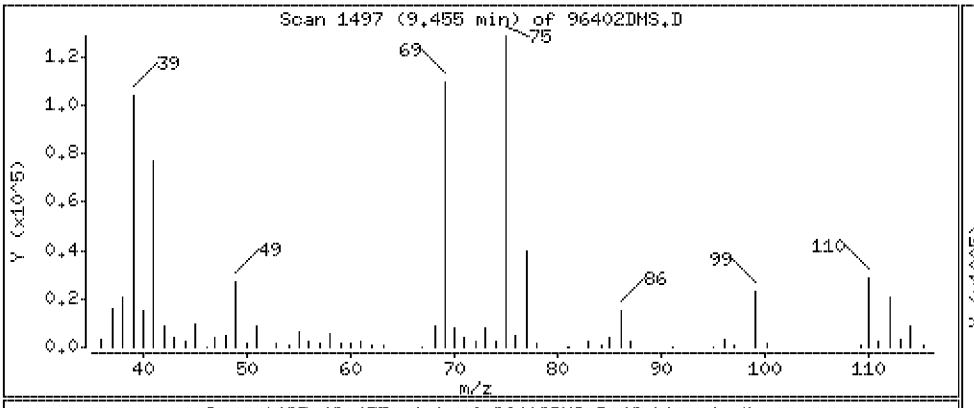
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

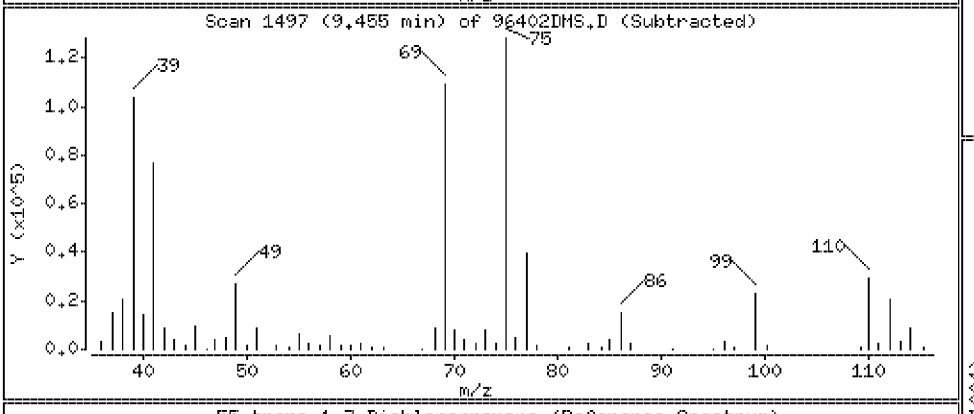
Sample Info: 250696402;2506964;5;

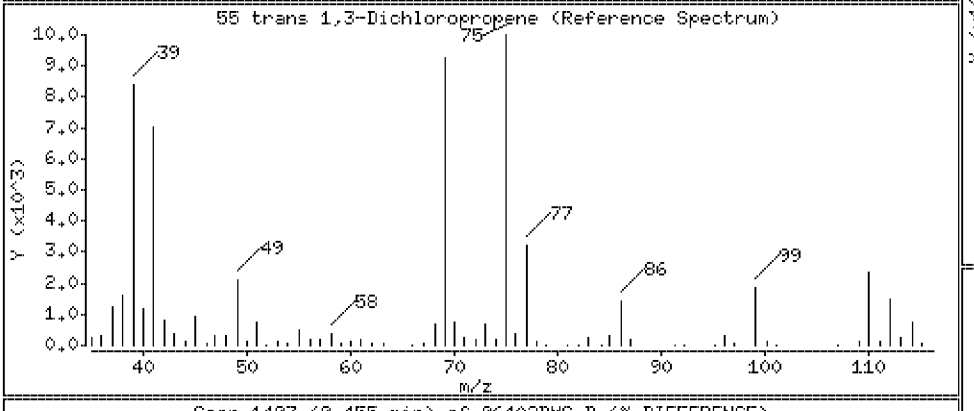
Purge Volume: 5.0 Operator:

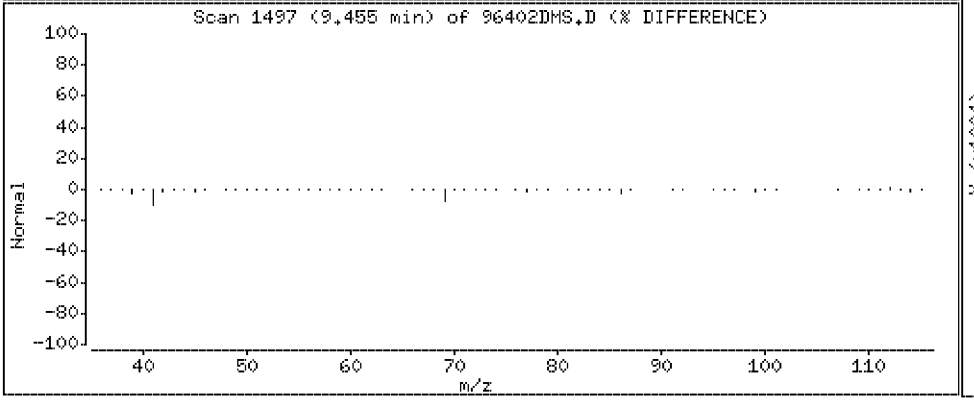
Column phase: DB-624 Column diameter: 0.18

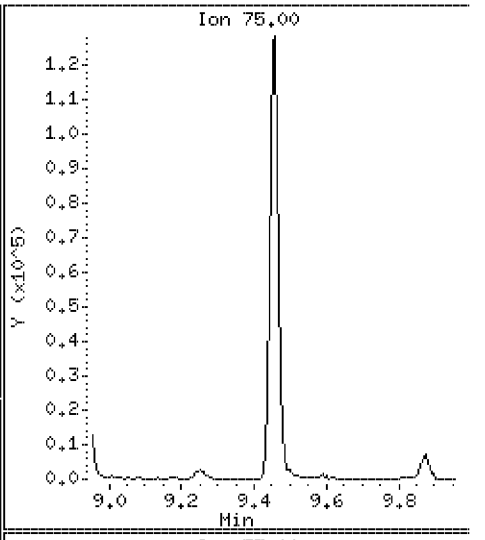
55 trans 1,3-Dichloropropene Concentration: 104 ug/l

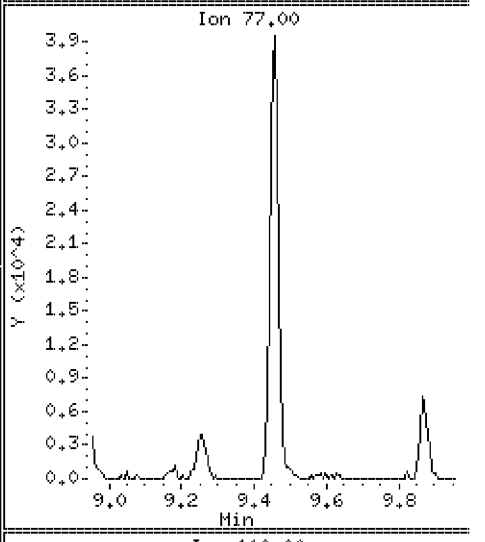


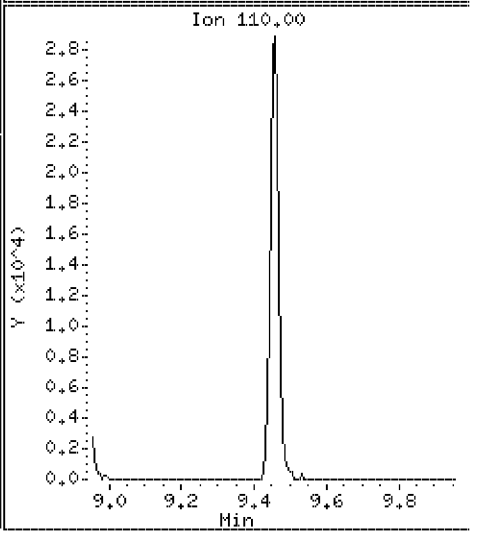












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

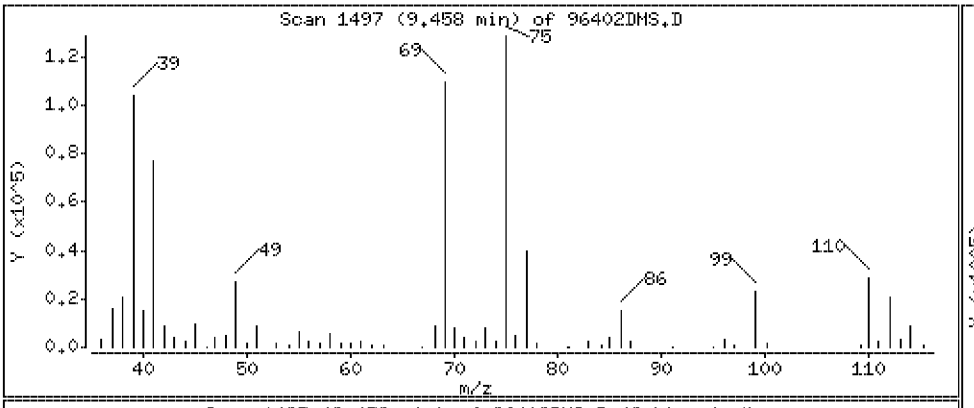
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

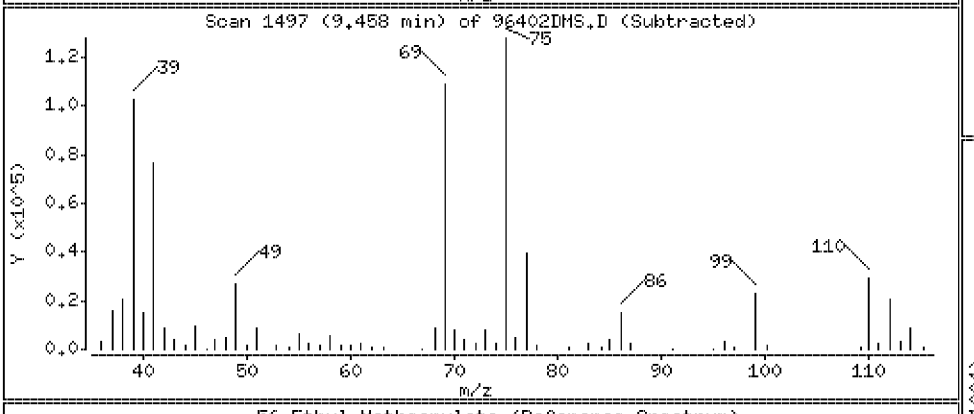
Sample Info: 250696402;2506964;5;

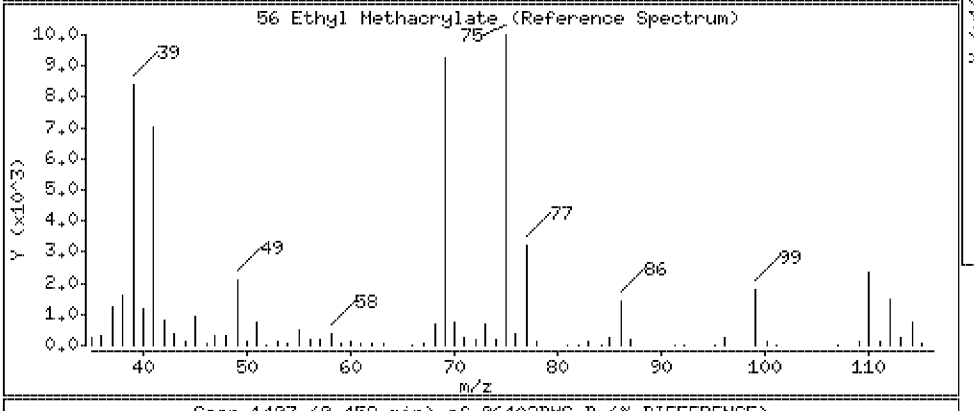
Purge Volume: 5.0 Operator:

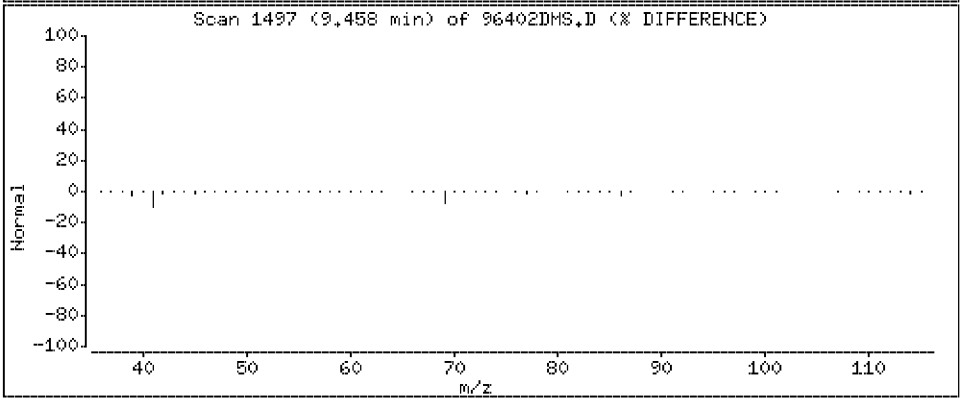
Column phase: DB-624 Column diameter: 0.18

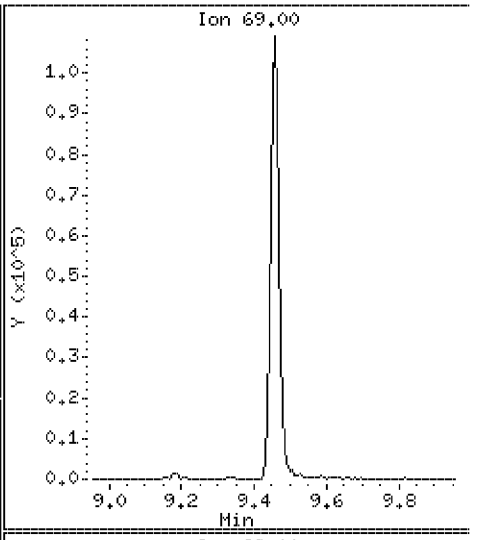
56 Ethyl Methacrylate Concentration: 110 ug/l

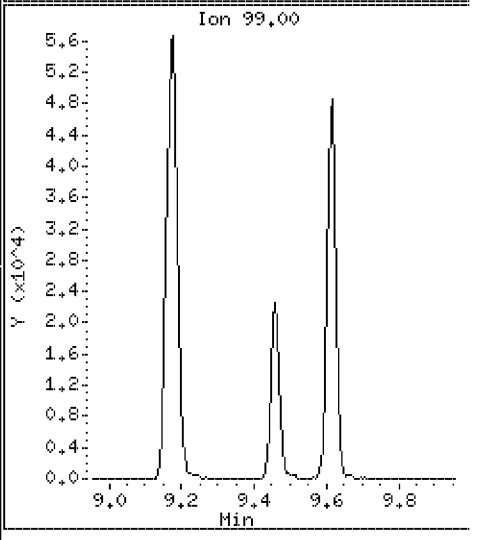












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Date : 15-JUN-2007 11:05

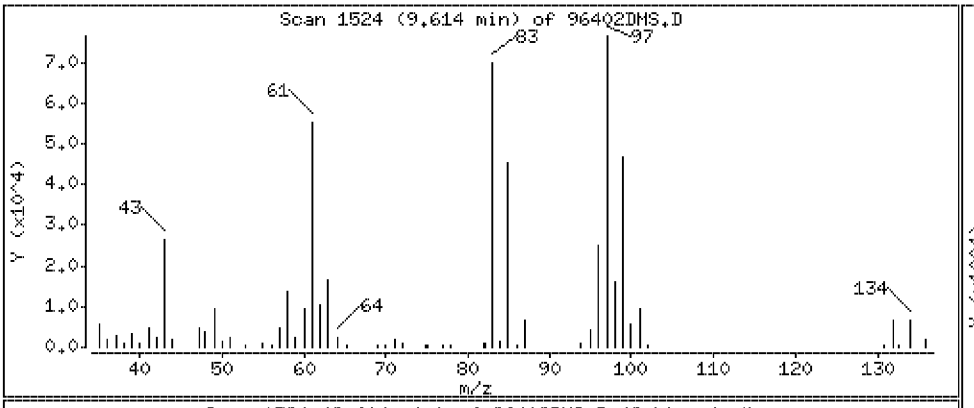
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

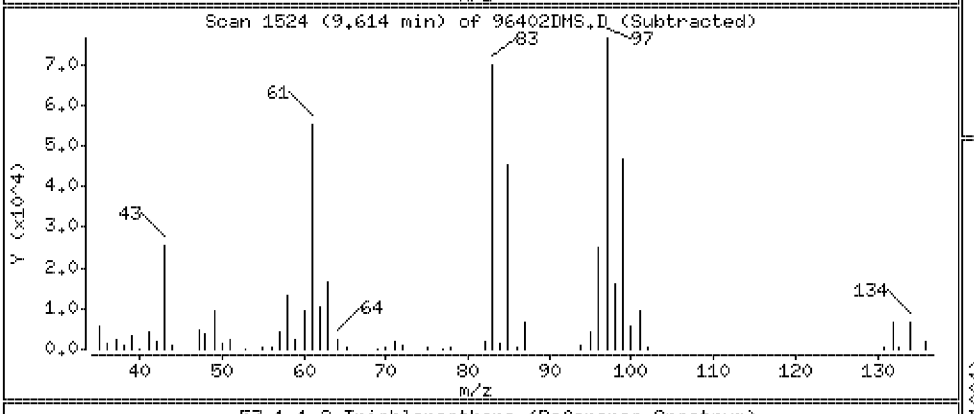
Sample Info: 250696402;2506964;5;

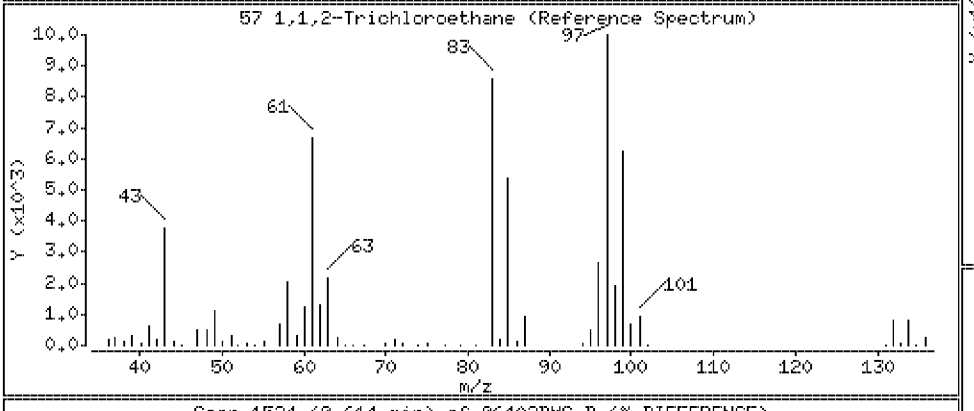
Purge Volume: 5.0 Operator:

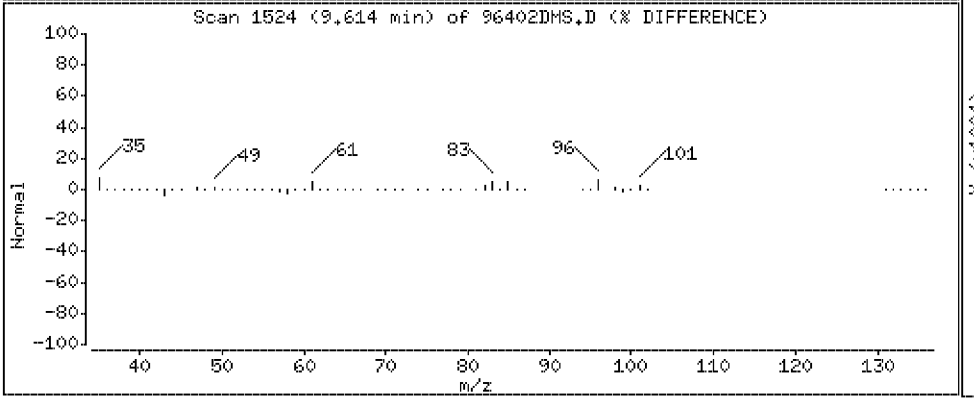
Column phase: DB-624 Column diameter: 0.18

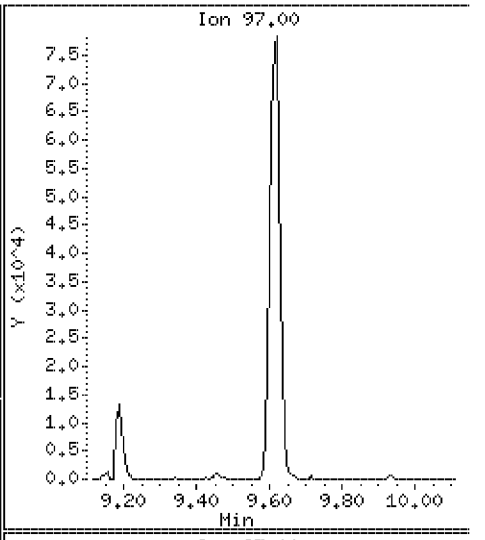
57 1,1,2-Trichloroethane Concentration: 101 ug/l

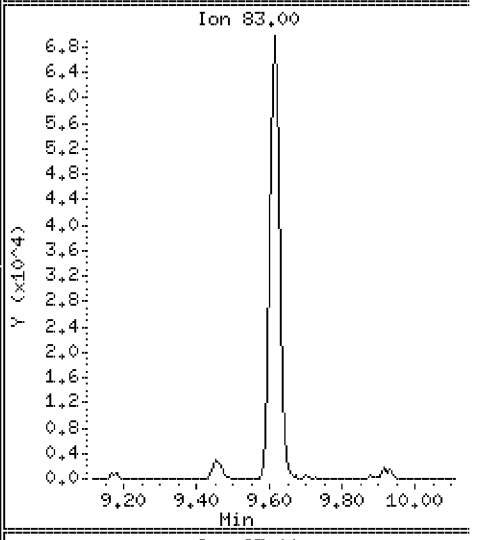


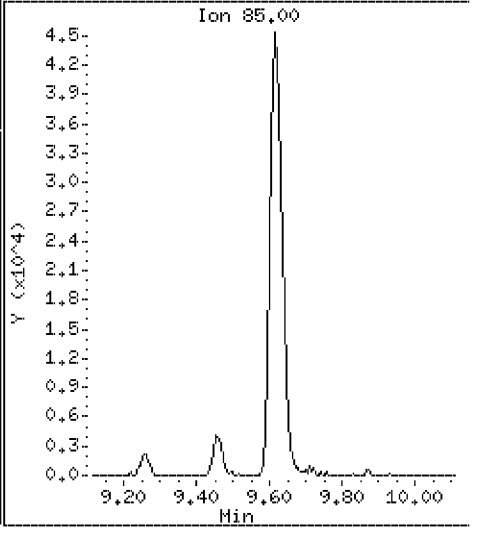












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Date : 15-JUN-2007 11:05

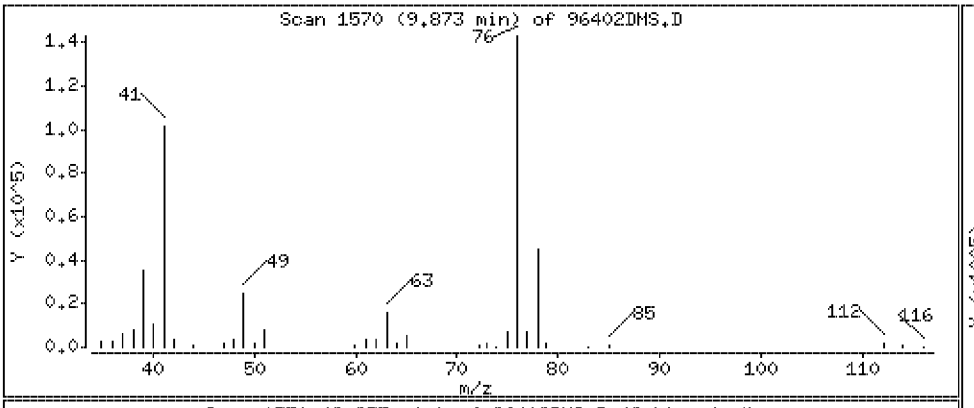
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

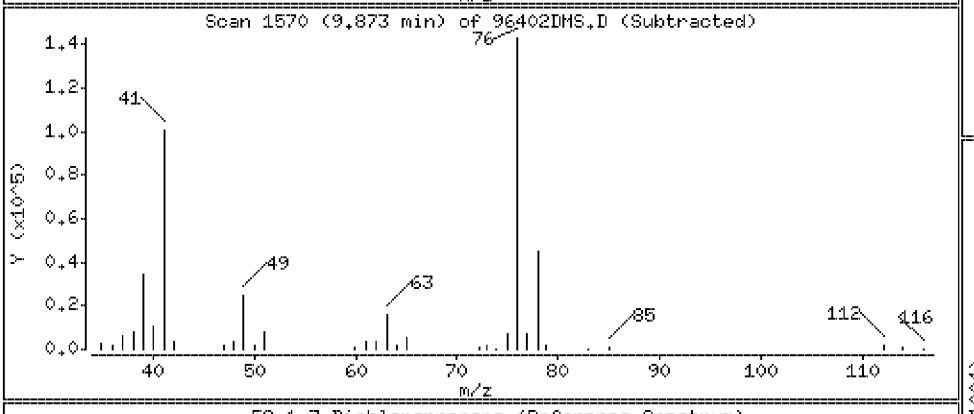
Sample Info: 250696402;2506964;5;

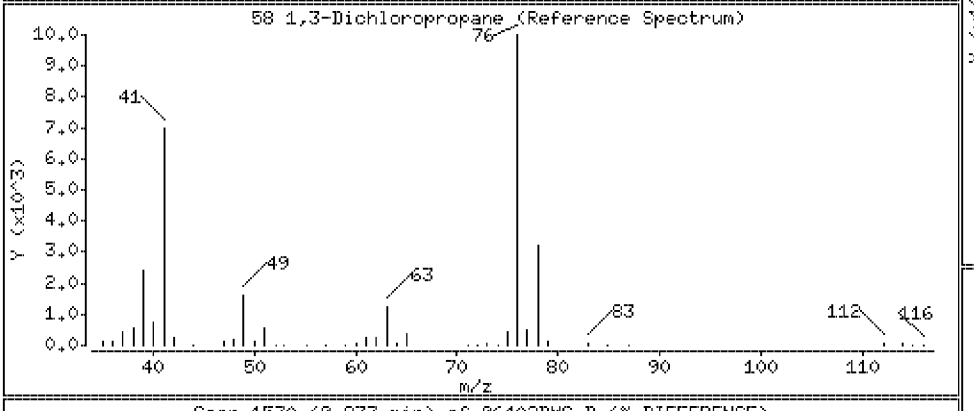
Purge Volume: 5.0 Operator:

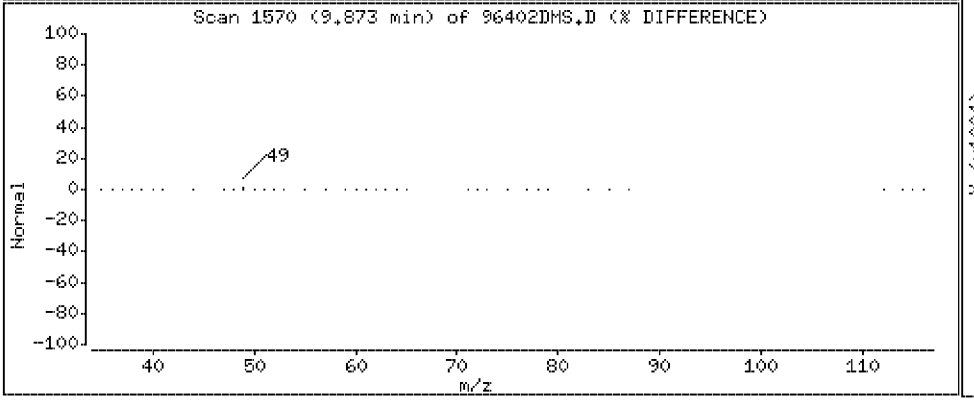
Column phase: DB-624 Column diameter: 0.18

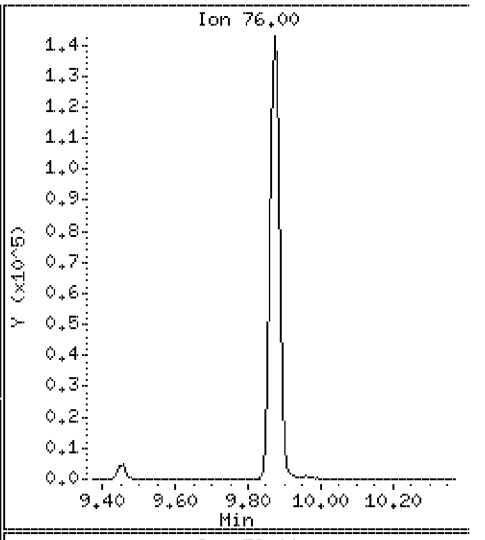
58 1,3-Dichloropropane Concentration: 102 ug/l

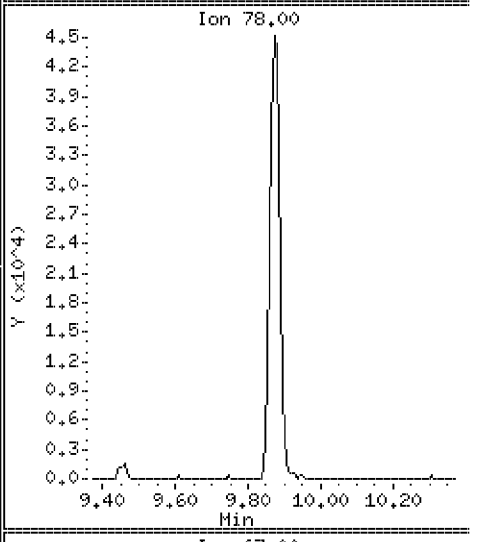


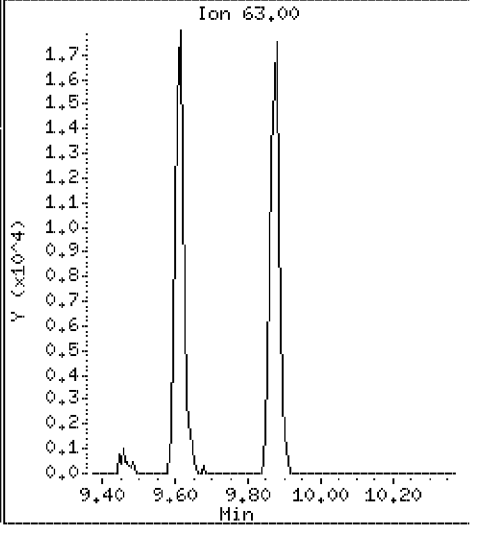












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Date : 15-JUN-2007 11:05

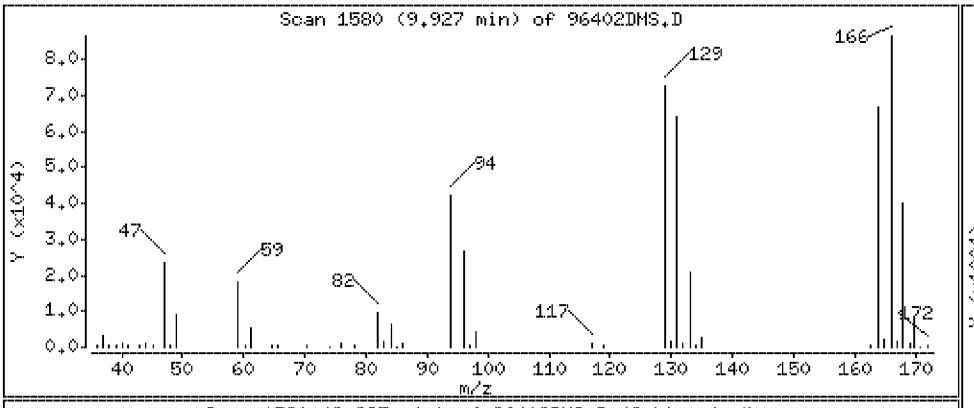
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

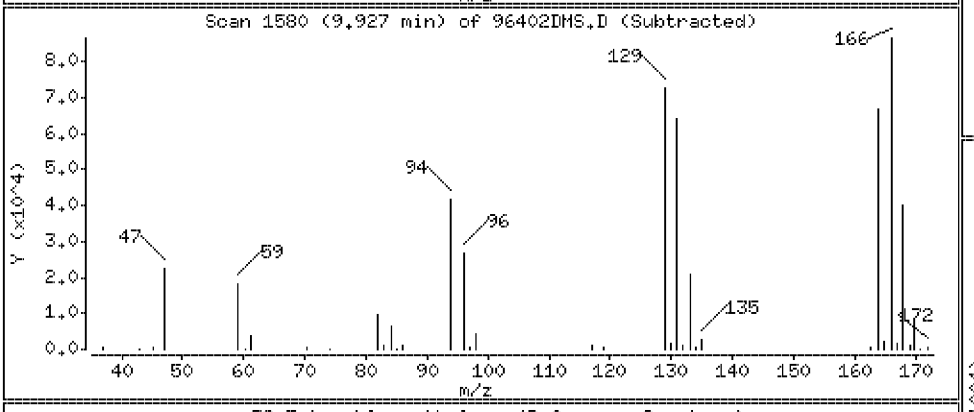
Sample Info: 250696402;2506964;5;

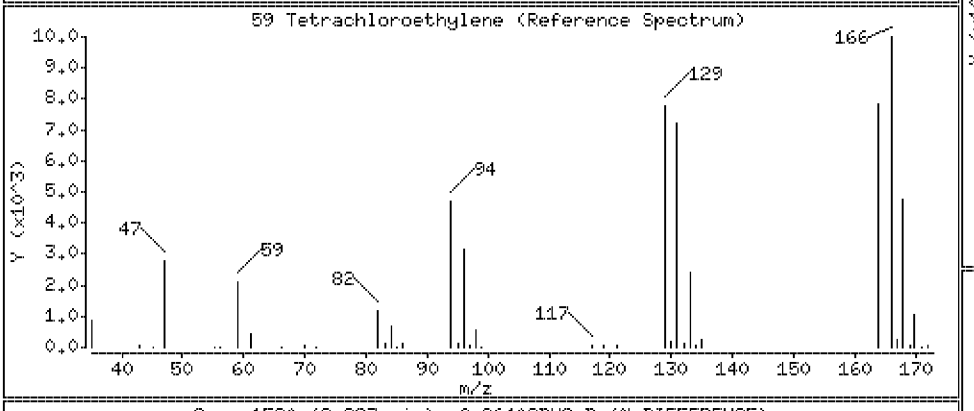
Purge Volume: 5.0 Operator:

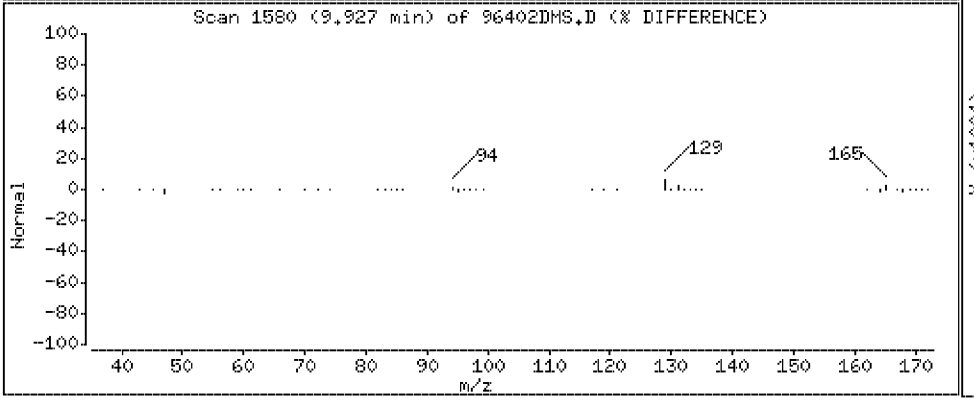
Column phase: DB-624 Column diameter: 0.18

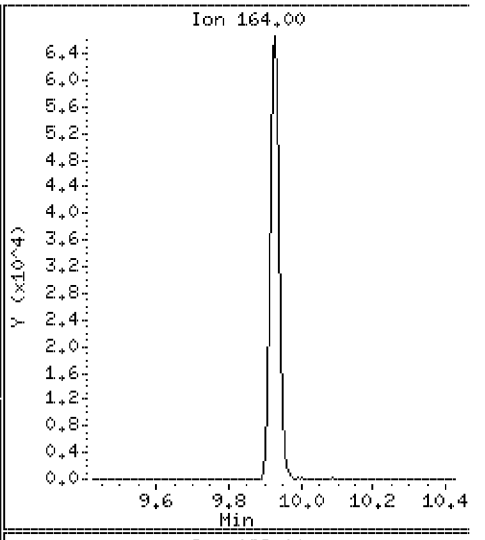
59 Tetrachloroethylene Concentration: 105 ug/l

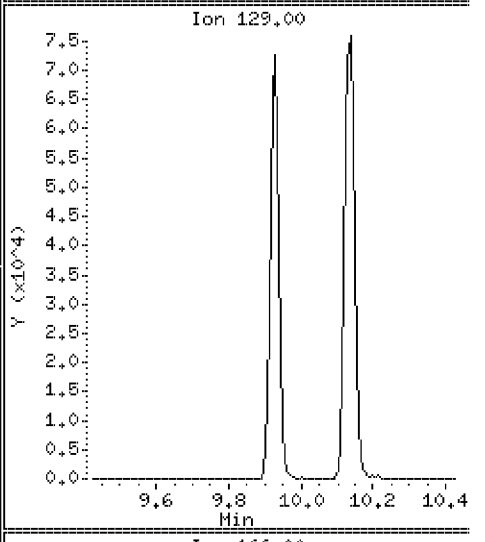


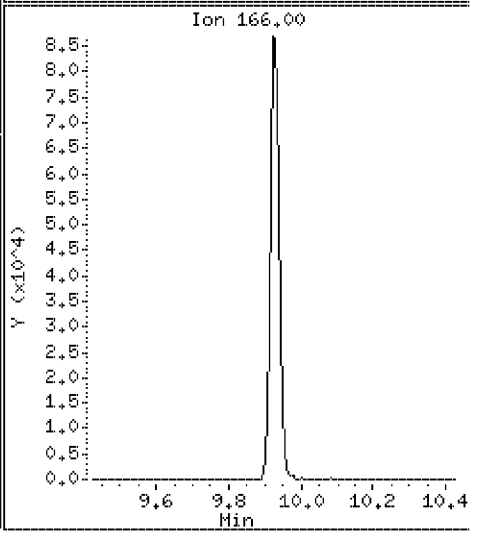












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Date : 15-JUN-2007 11:05

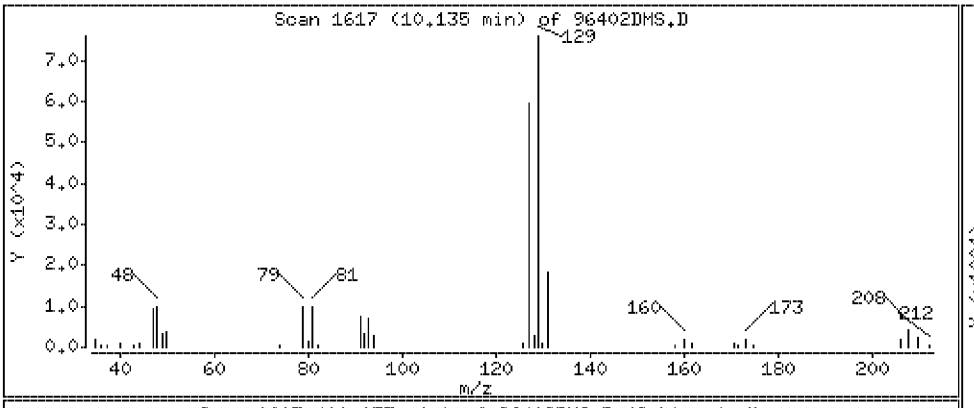
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

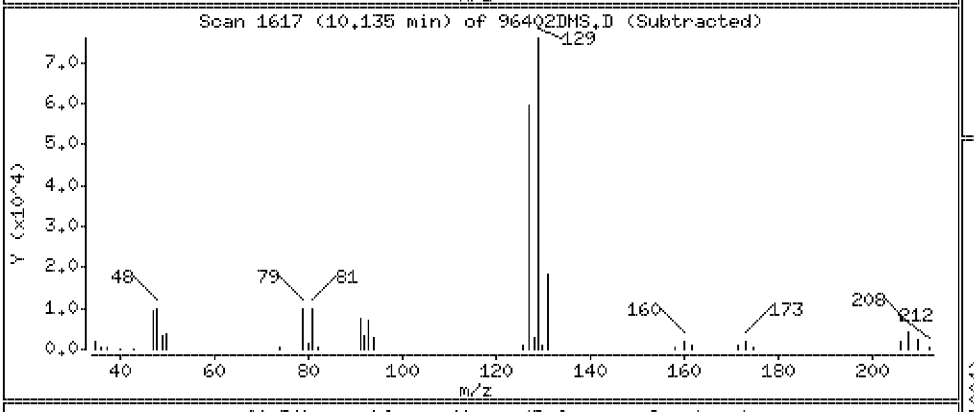
Sample Info: 250696402;2506964;5;

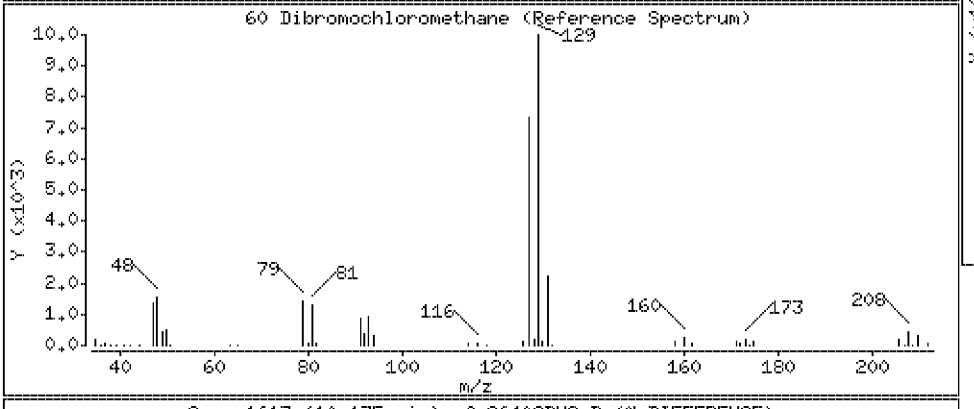
Purge Volume: 5.0 Operator:

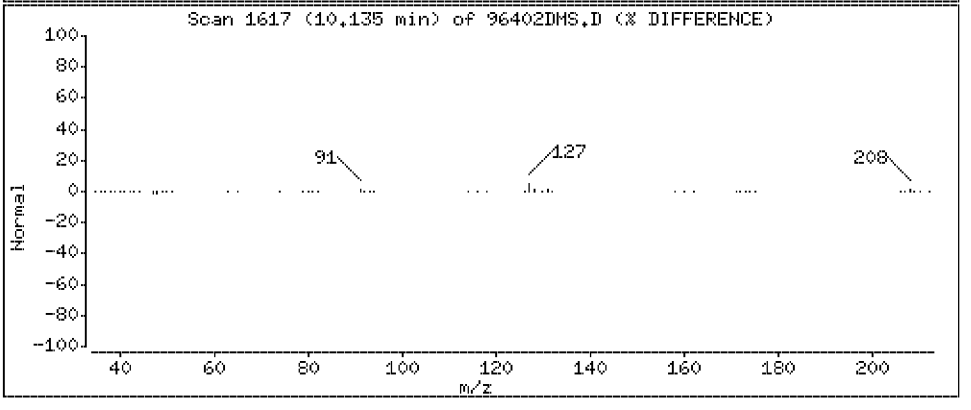
Column phase: DB-624 Column diameter: 0.18

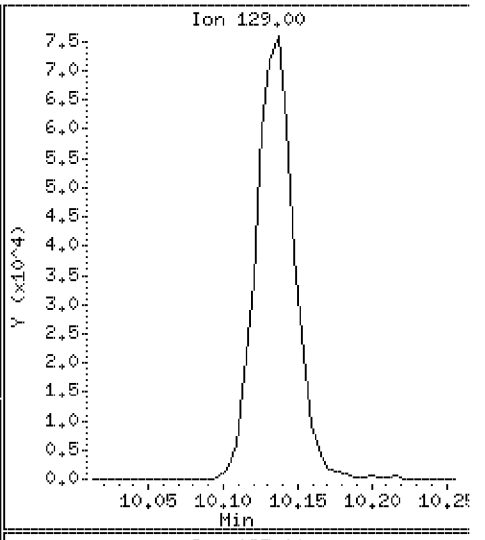
60 Dibromochloromethane Concentration: 99.6 ug/l

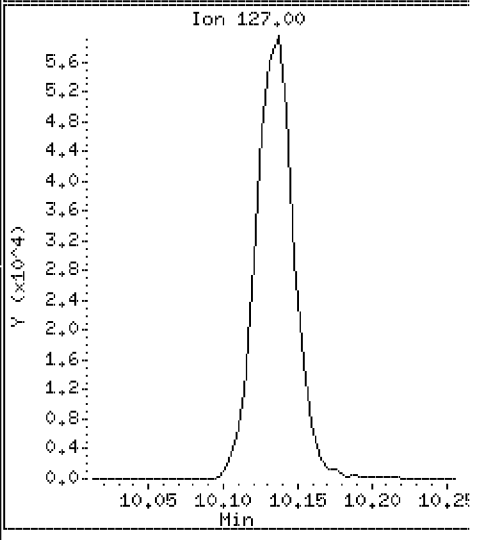












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Date : 15-JUN-2007 11:05

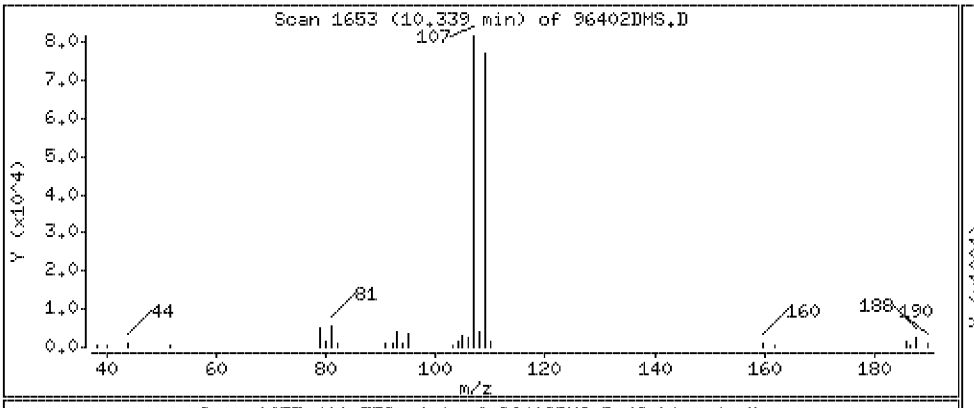
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

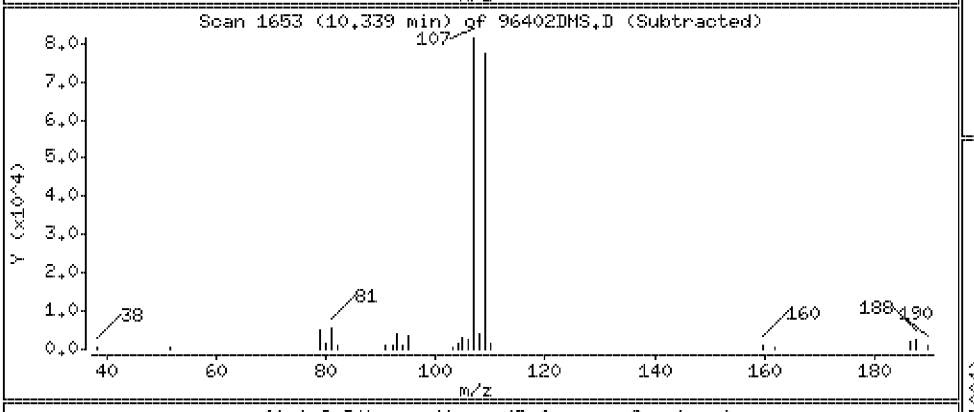
Sample Info: 250696402;2506964;5;

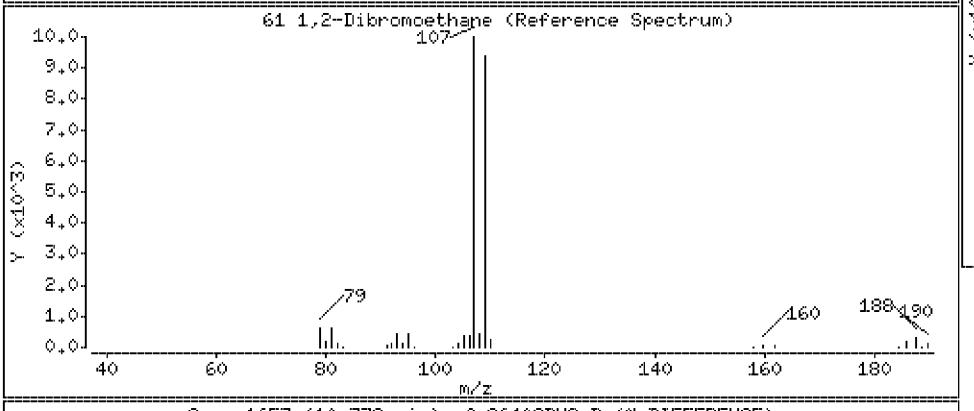
Purge Volume: 5.0 Operator:

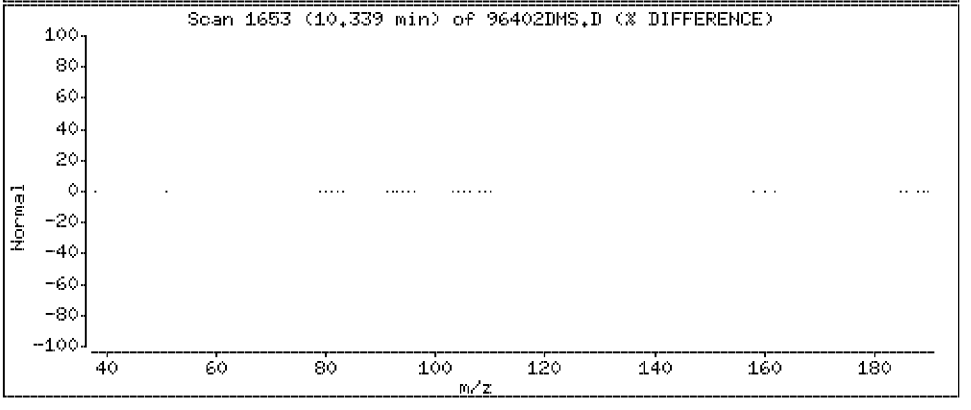
Column phase: DB-624 Column diameter: 0.18

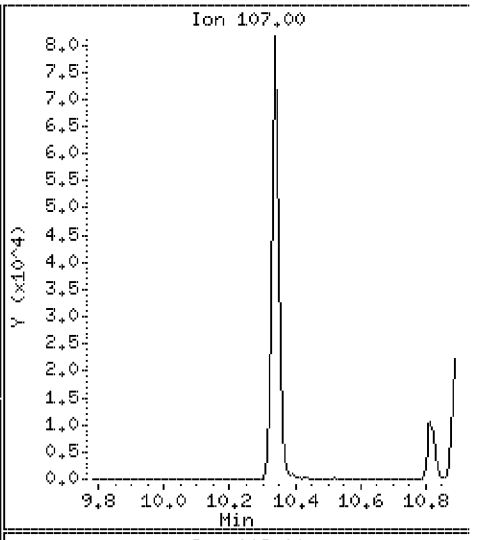
61 1,2-Dibromoethane Concentration: 103 ug/l

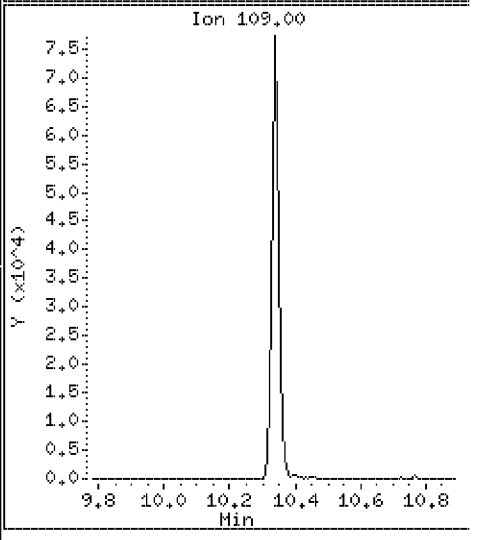












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

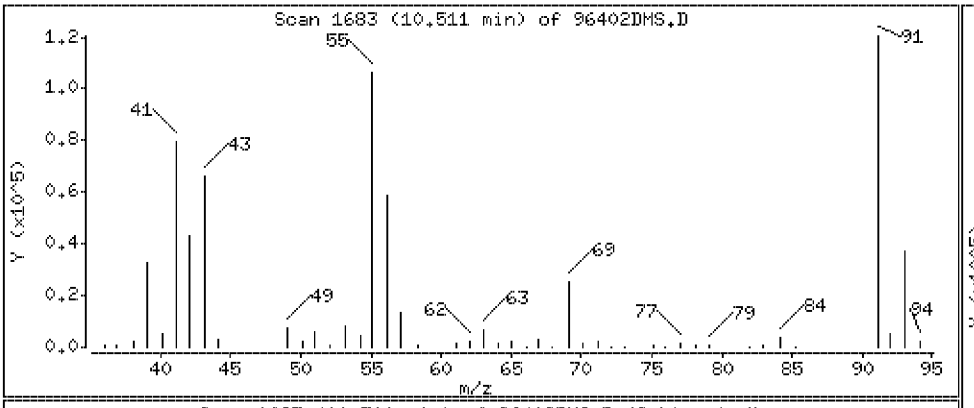
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

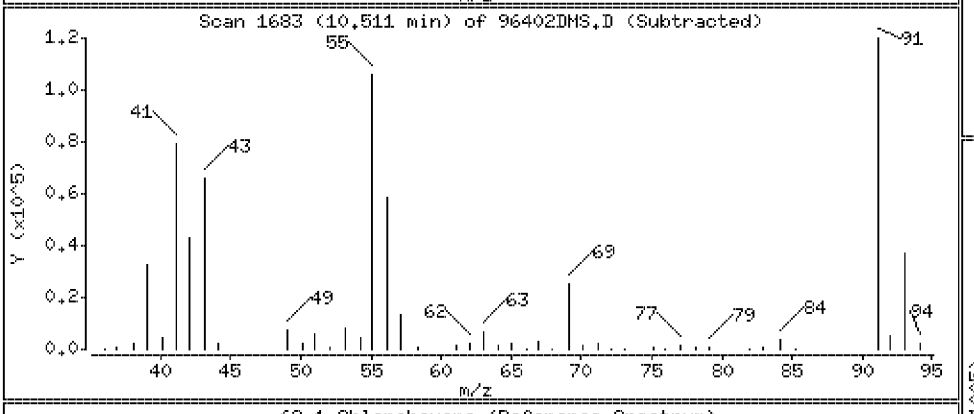
Sample Info: 250696402;2506964;5;

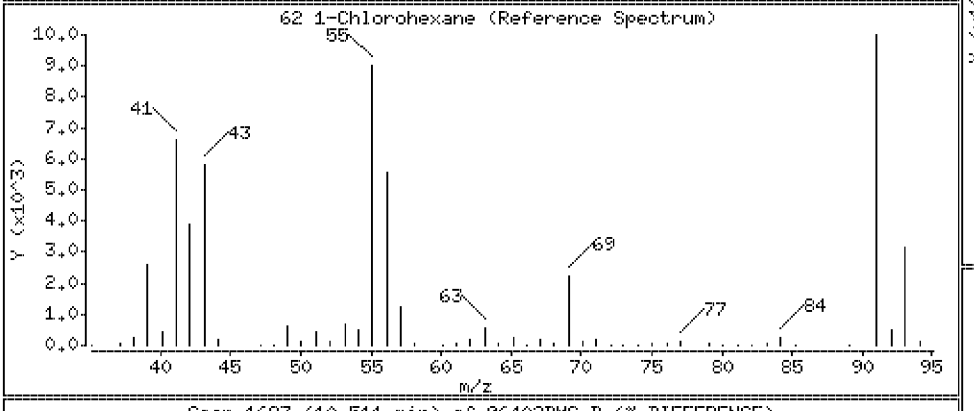
Purge Volume: 5.0 Operator:

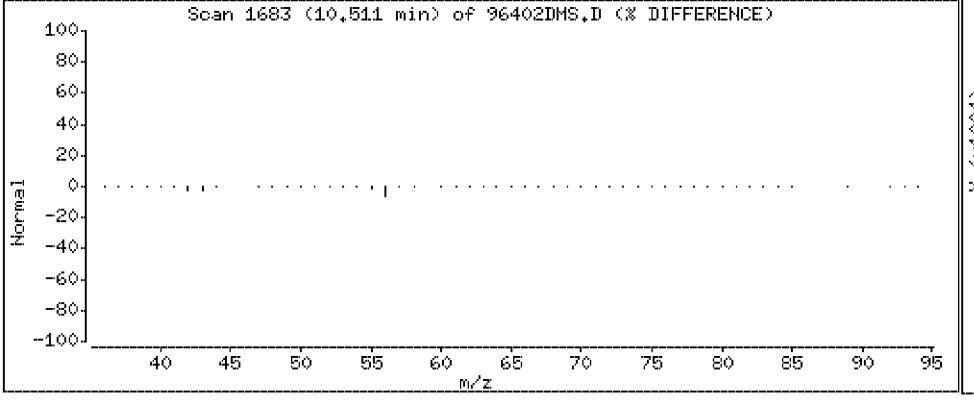
Column phase: DB-624 Column diameter: 0.18

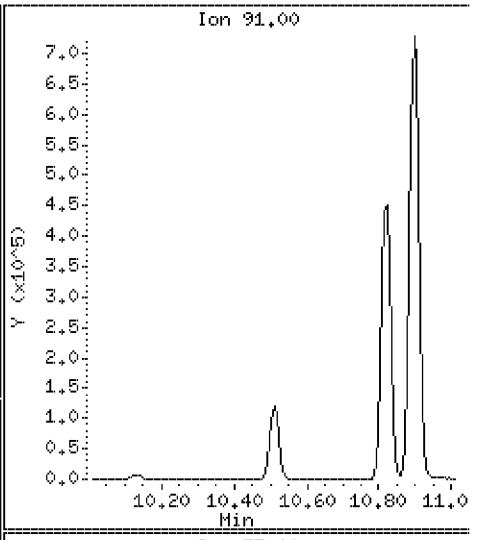
62 1-Chlorohexane Concentration: 107 ug/l

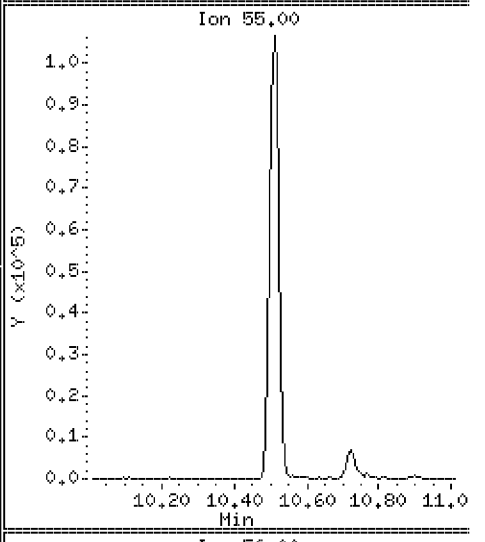


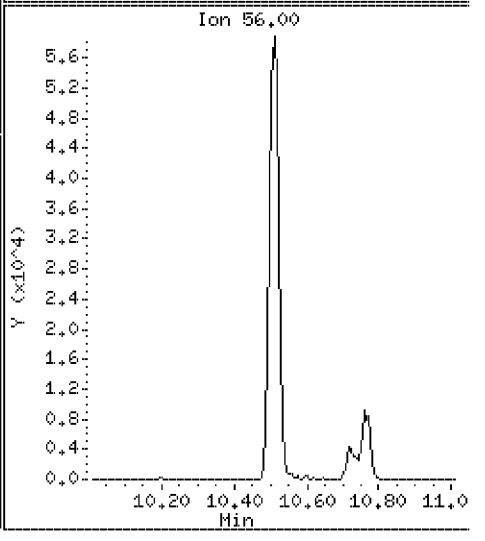












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

Client ID: TO0540AMSBLDL1

Instrument: vms03.i

Sample Info: 250696402;2506964;5;

Purge Volume: 5.0

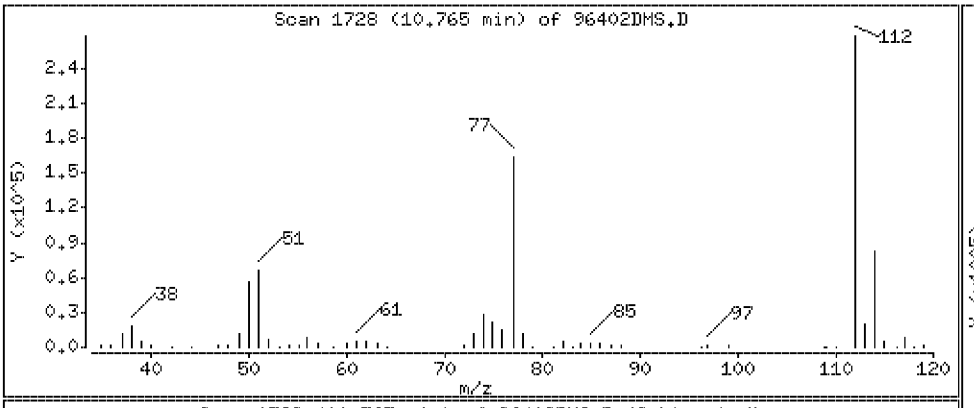
Operator:

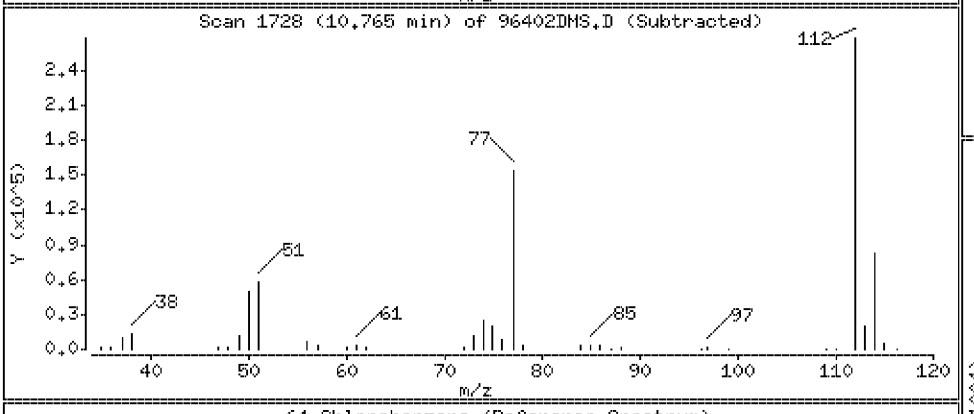
Column phase: DB-624

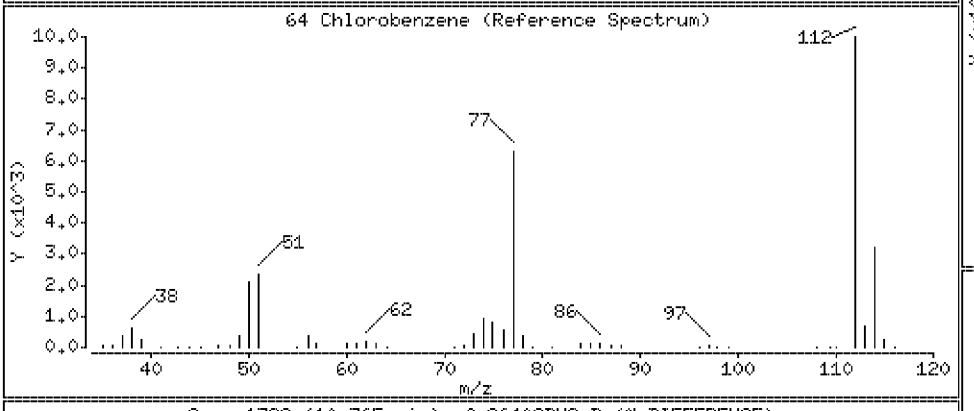
Column diameter: 0.18

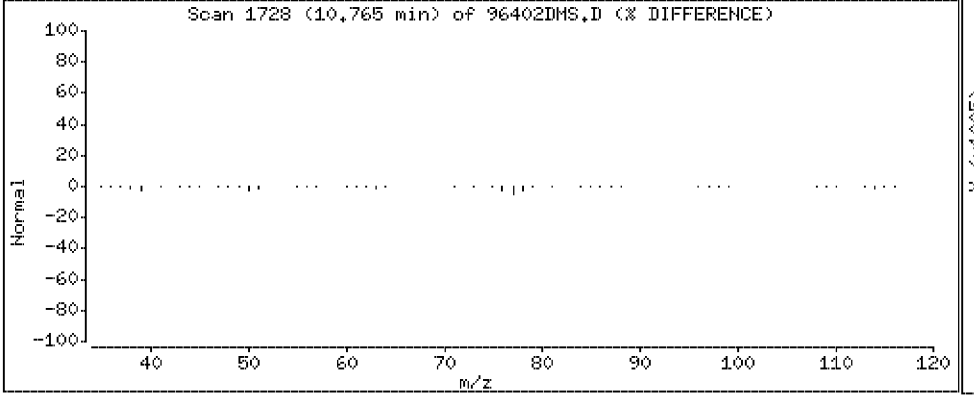
64 Chlorobenzene

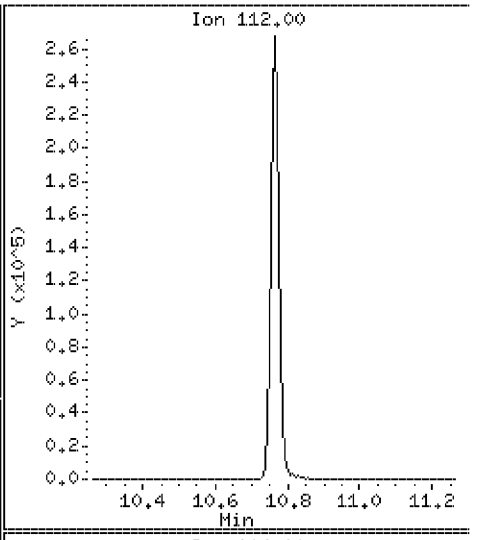
Concentration: 103 ug/l

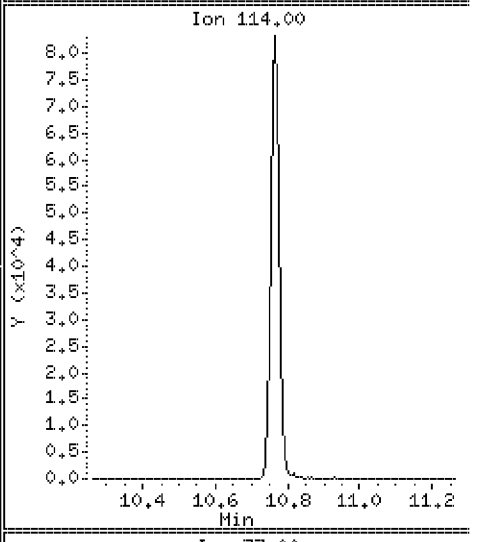


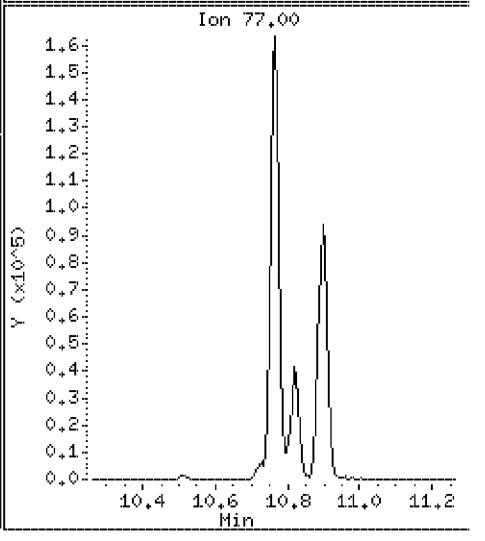












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

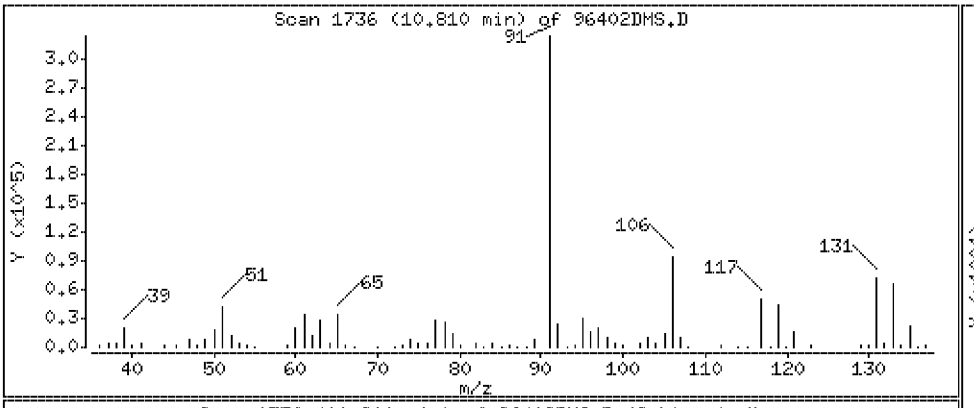
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

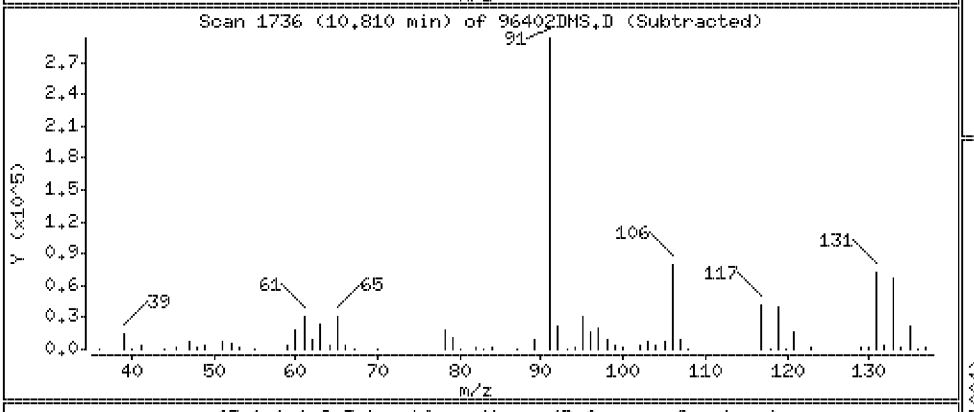
Sample Info: 250696402;2506964;5;

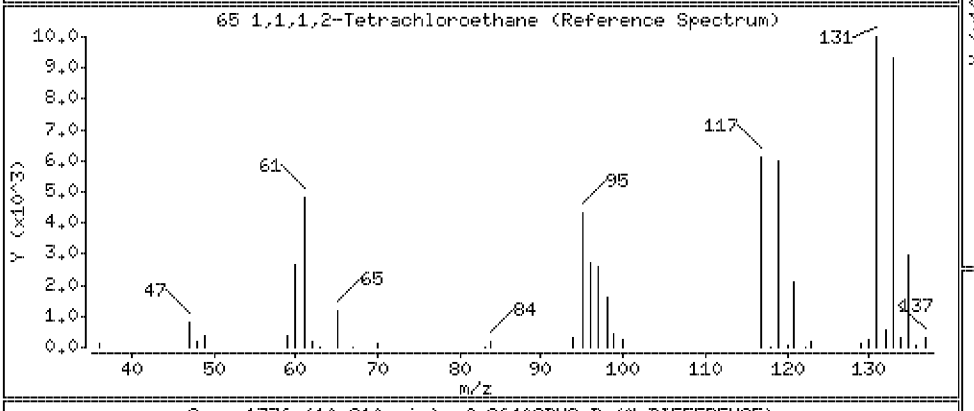
Purge Volume: 5.0 Operator:

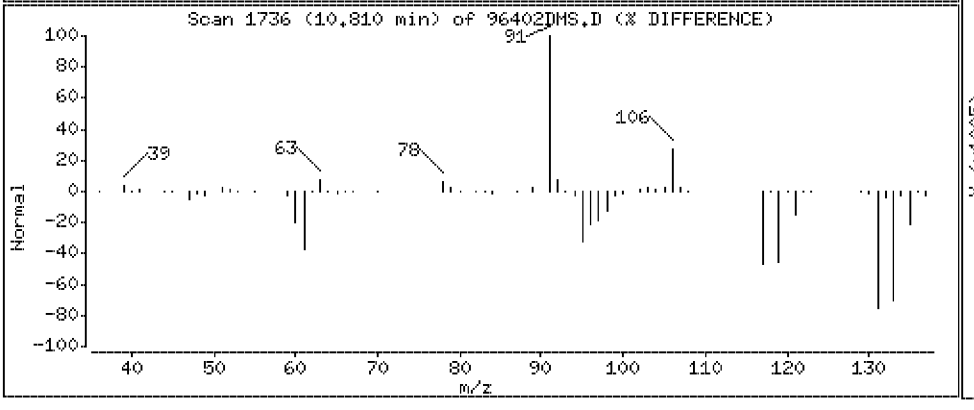
Column phase: DB-624 Column diameter: 0.18

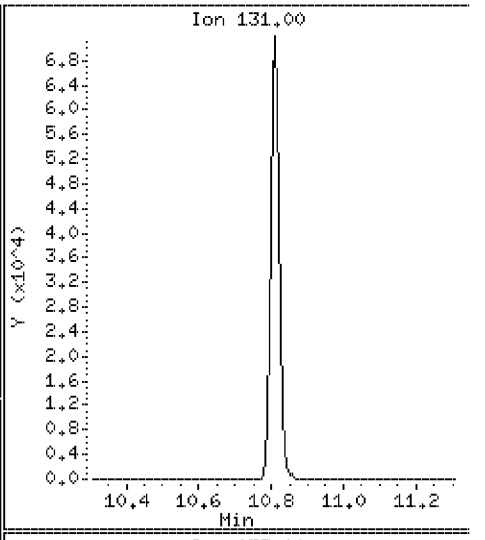
65 1,1,1,2-Tetrachloroethane Concentration: 97.4 ug/l

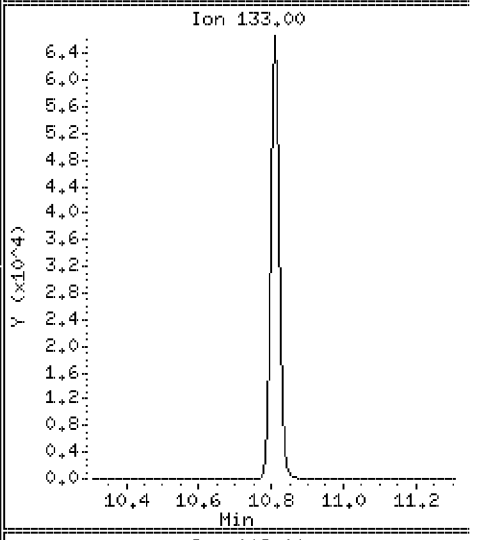


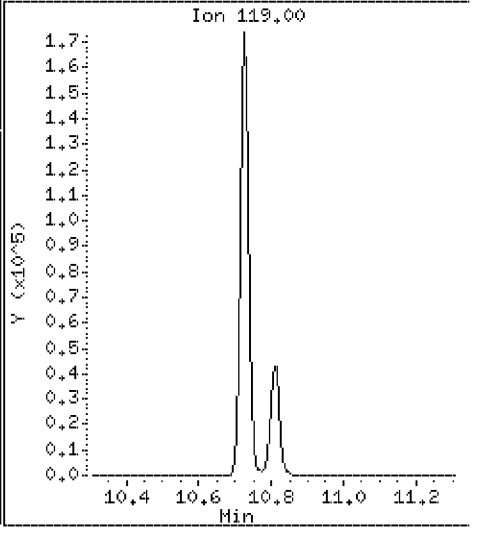












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

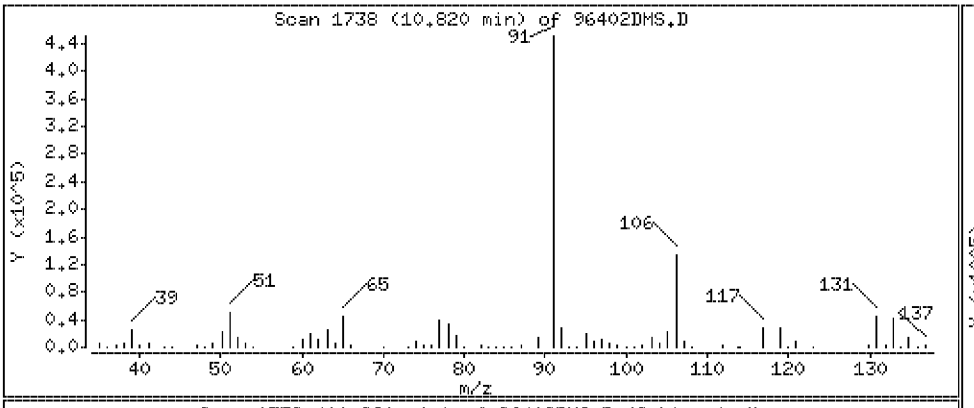
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

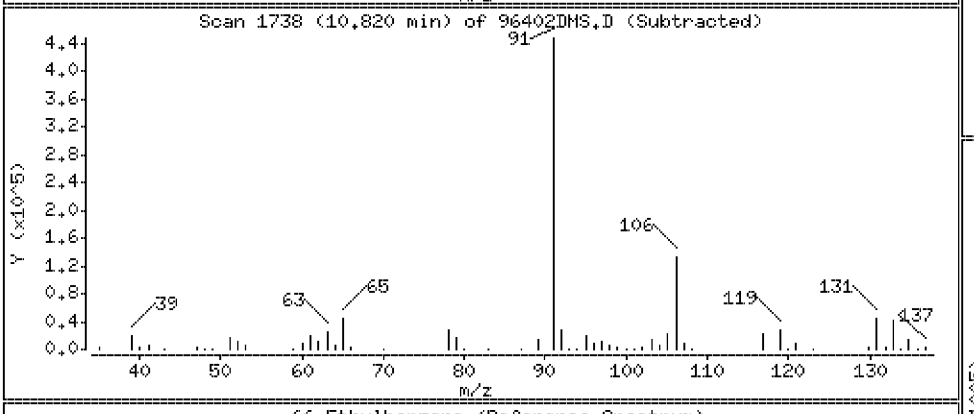
Sample Info: 250696402;2506964;5;

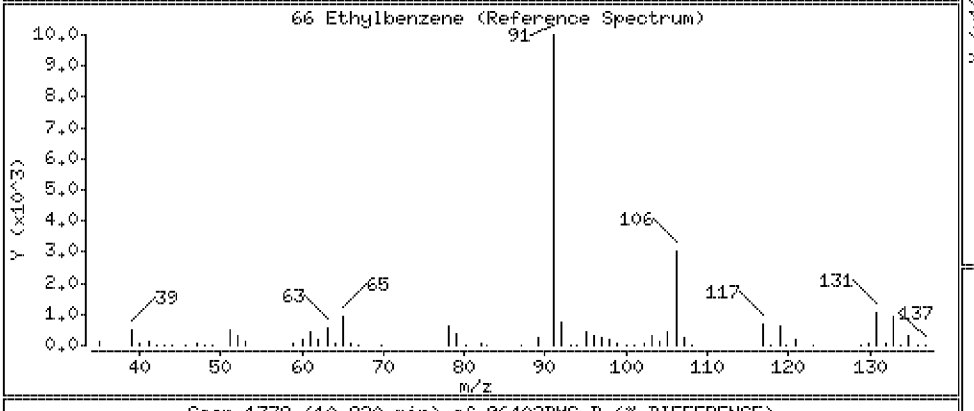
Purge Volume: 5.0 Operator:

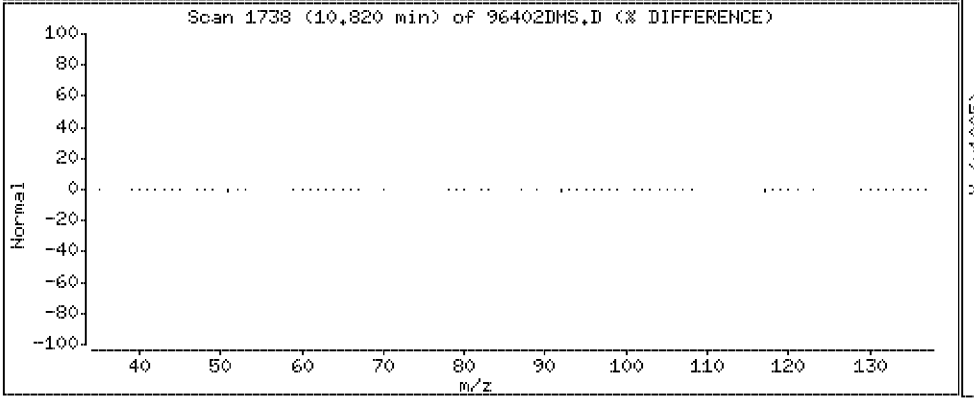
Column phase: DB-624 Column diameter: 0.18

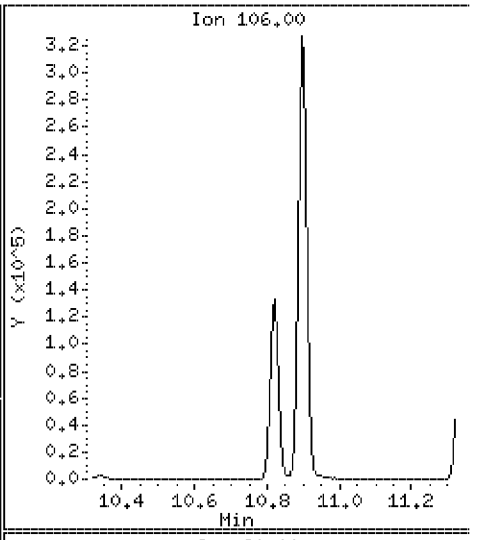
66 Ethylbenzene Concentration: 105 ug/l

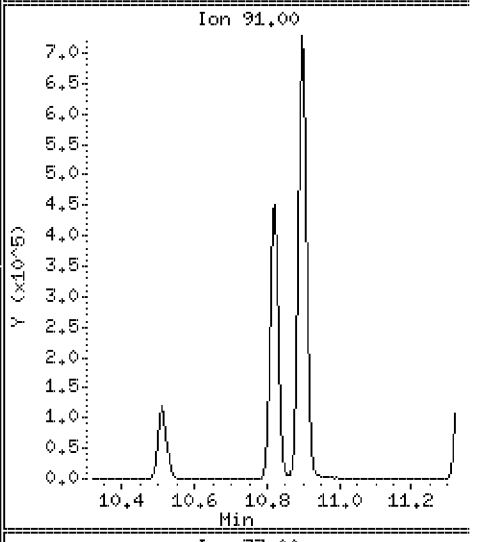


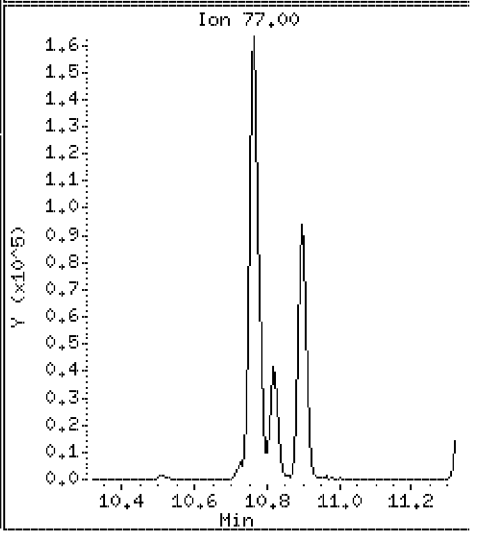












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

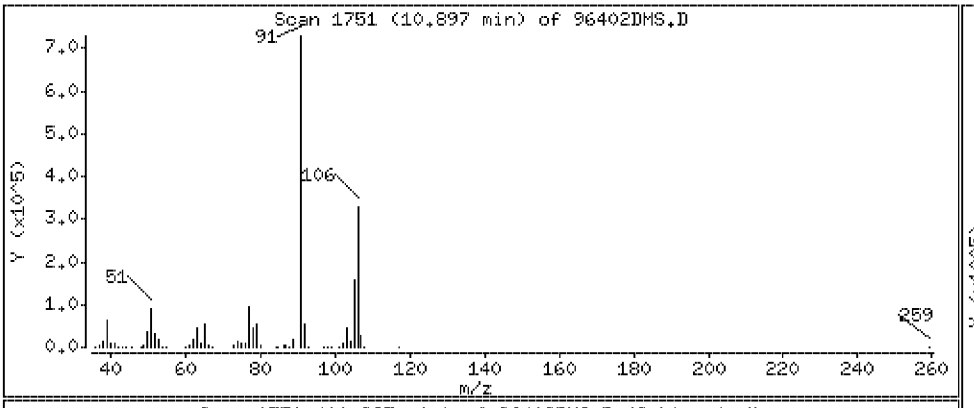
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

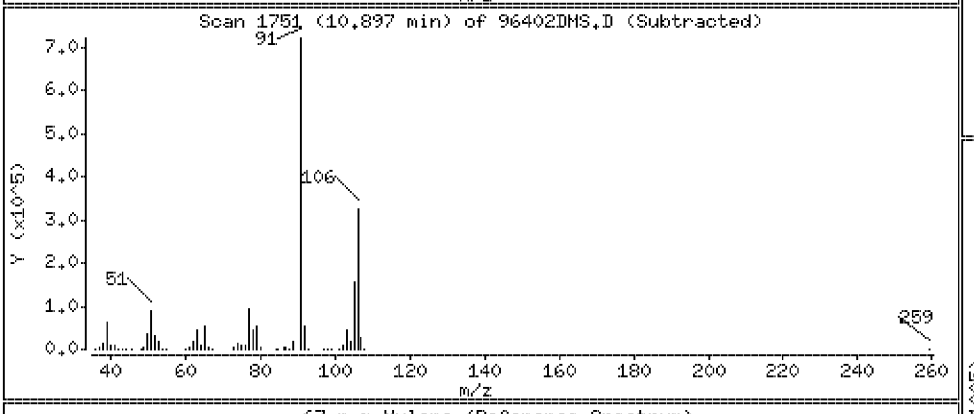
Sample Info: 250696402;2506964;5;

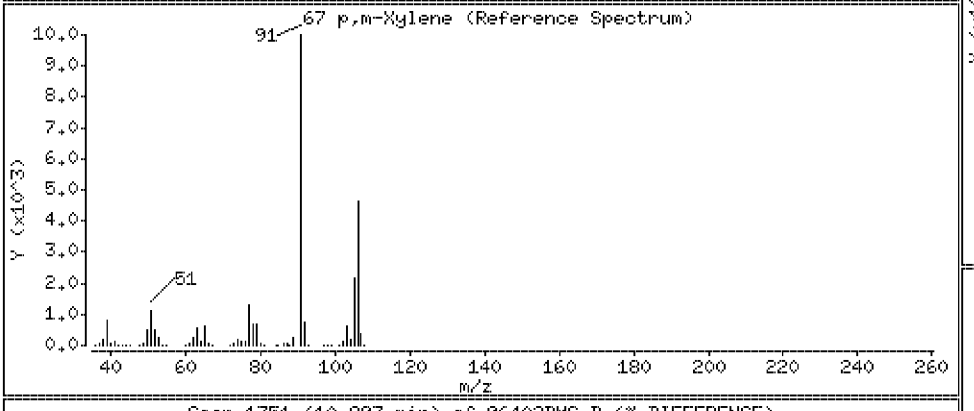
Purge Volume: 5.0 Operator:

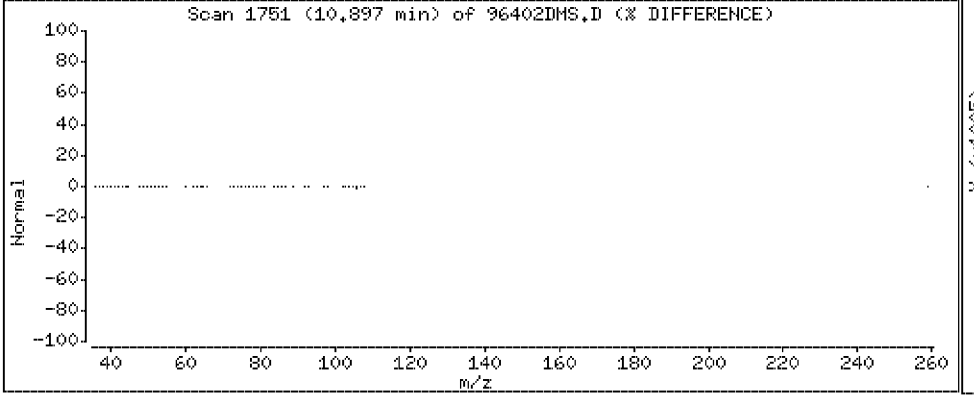
Column phase: DB-624 Column diameter: 0.18

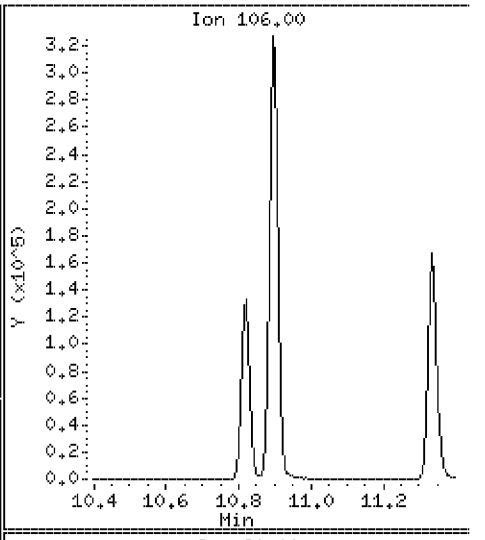
67 p,m-Xylene Concentration: 200 ug/l

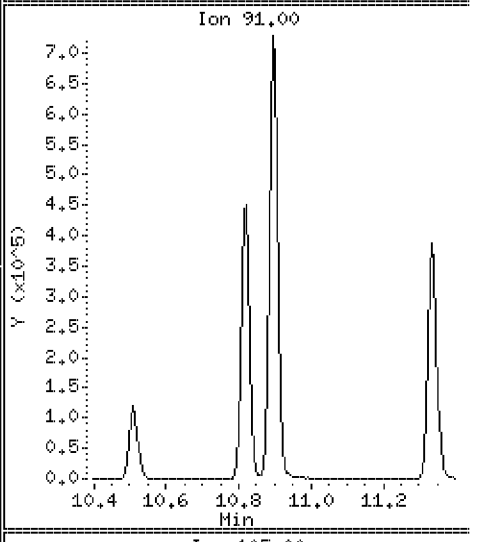


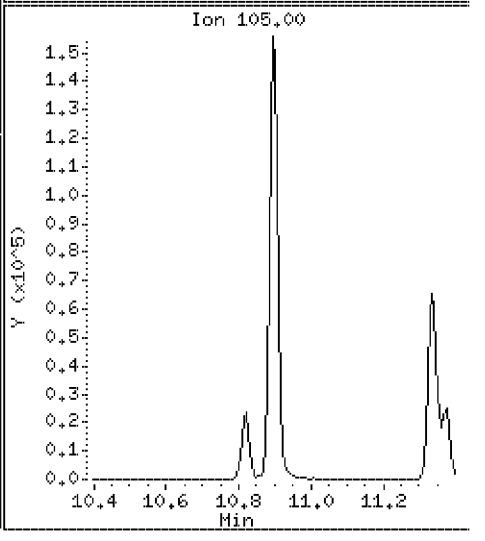












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

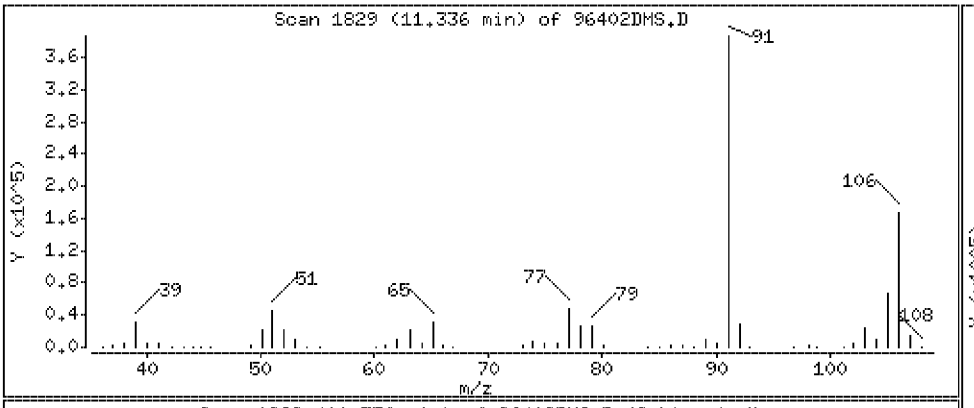
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

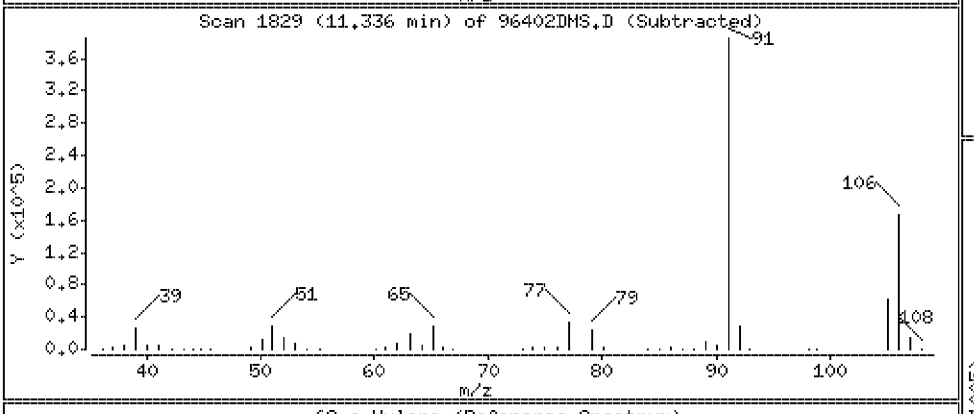
Sample Info: 250696402;2506964;5;

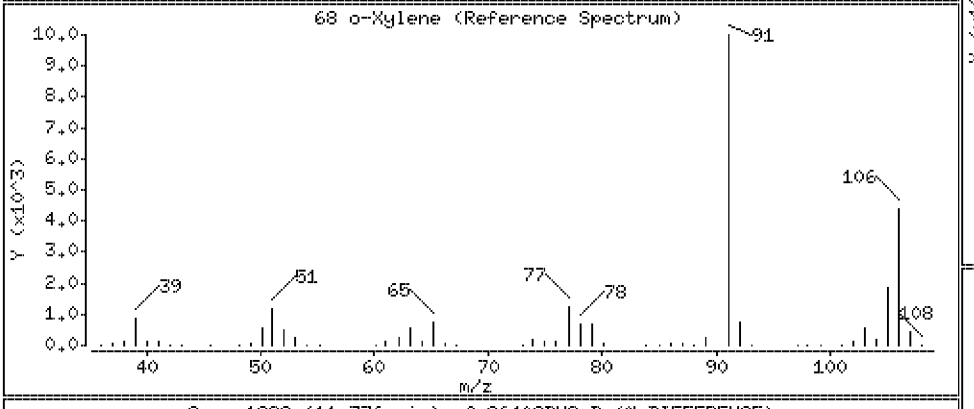
Purge Volume: 5.0 Operator:

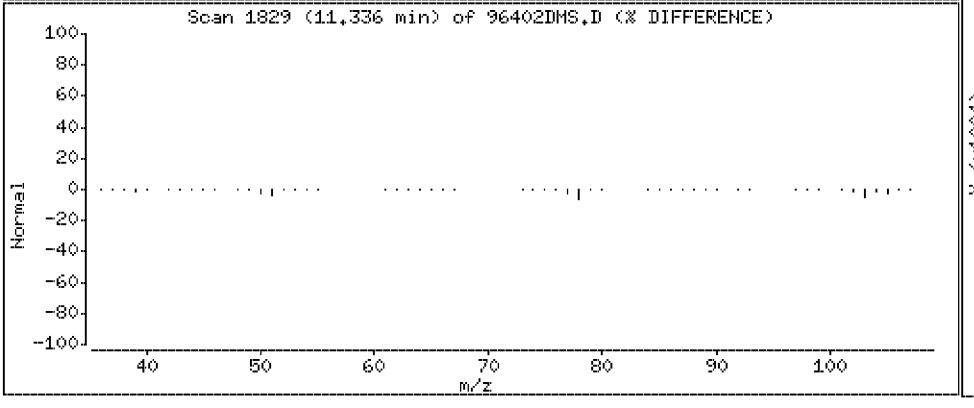
Column phase: DB-624 Column diameter: 0.18

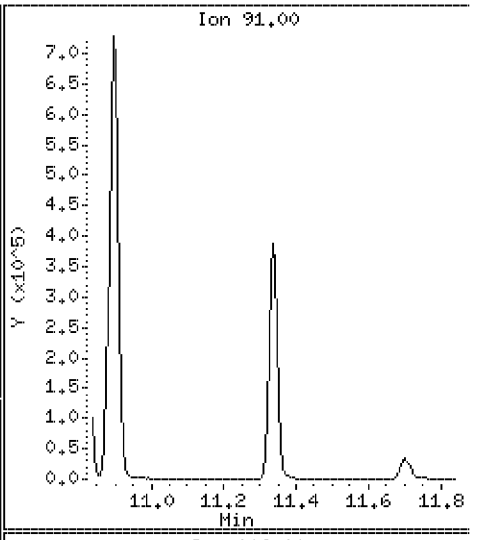
68 o-Xylene Concentration: 102 ug/l

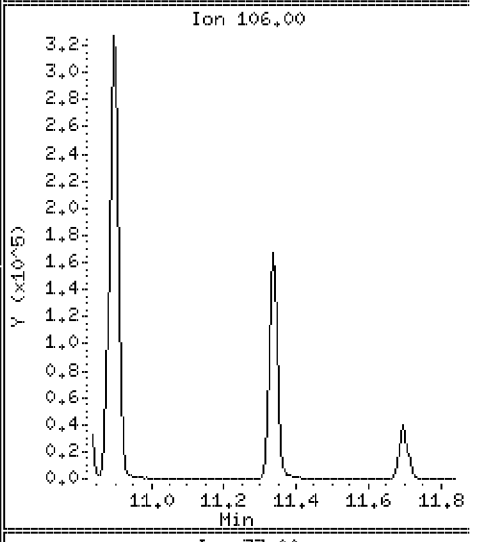


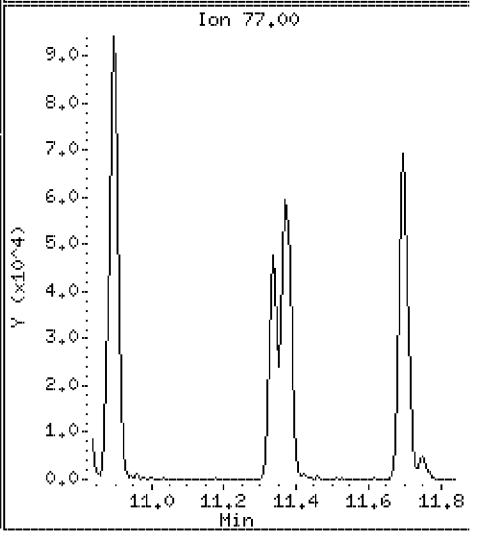












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

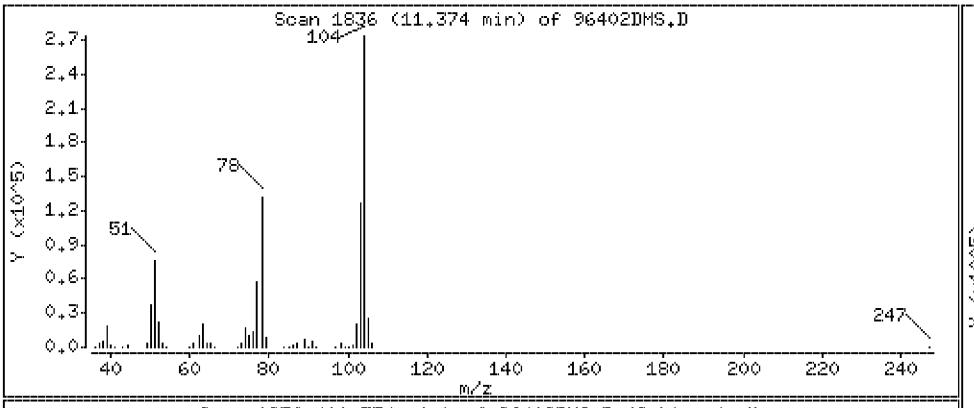
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

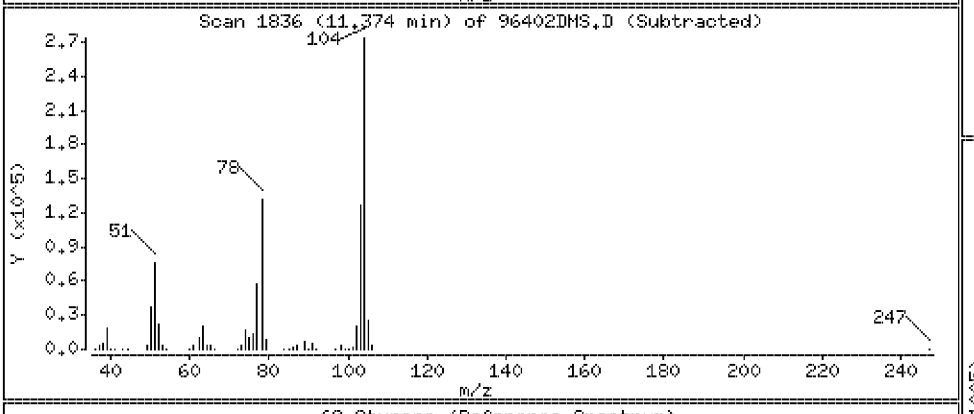
Sample Info: 250696402;2506964;5;

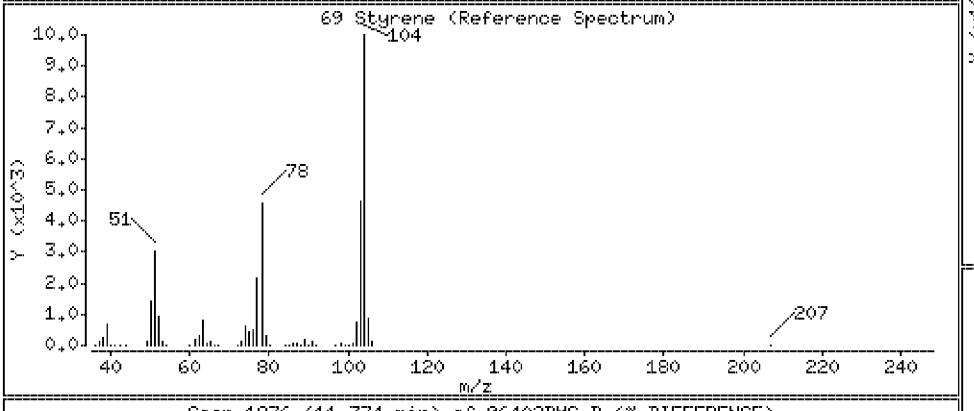
Purge Volume: 5.0 Operator:

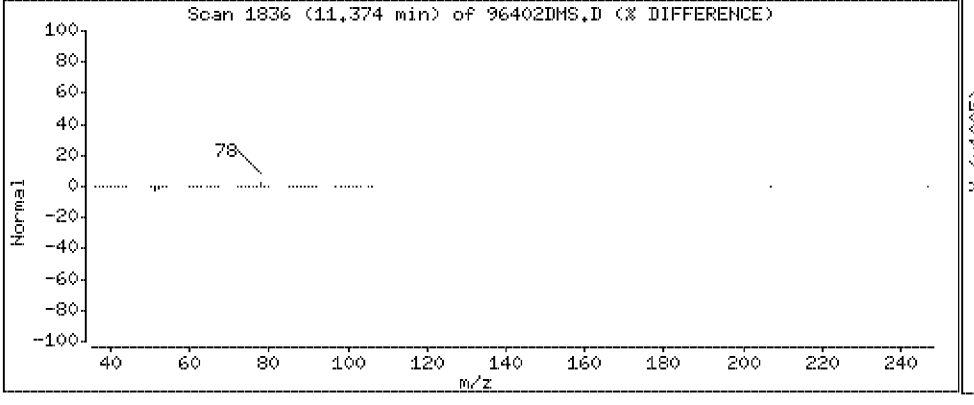
Column phase: DB-624 Column diameter: 0.18

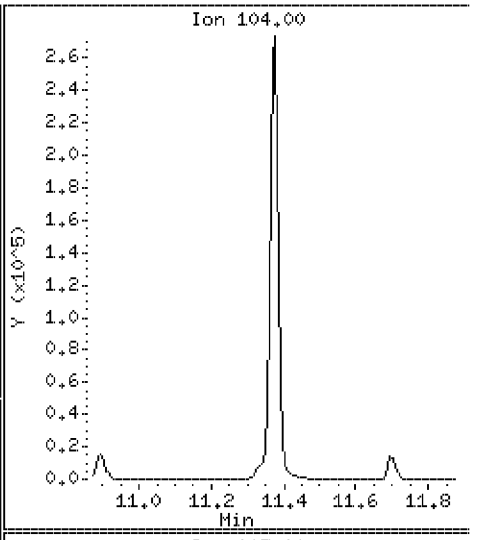
69 Styrene Concentration: 105 ug/l

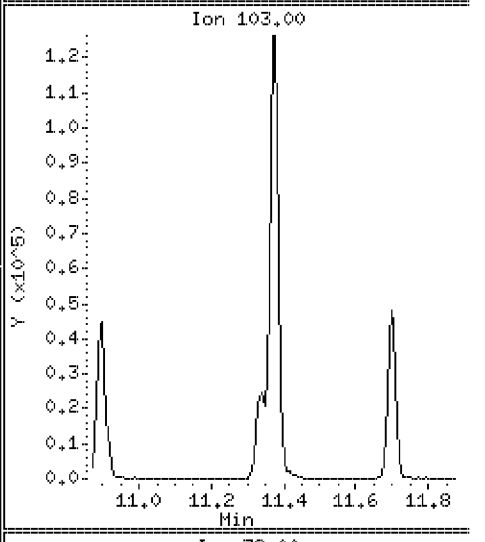


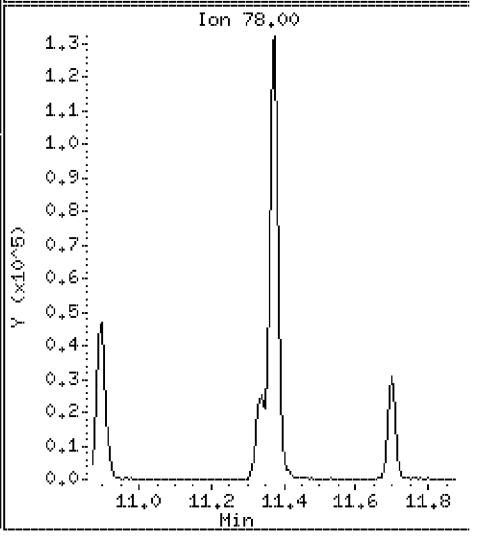












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

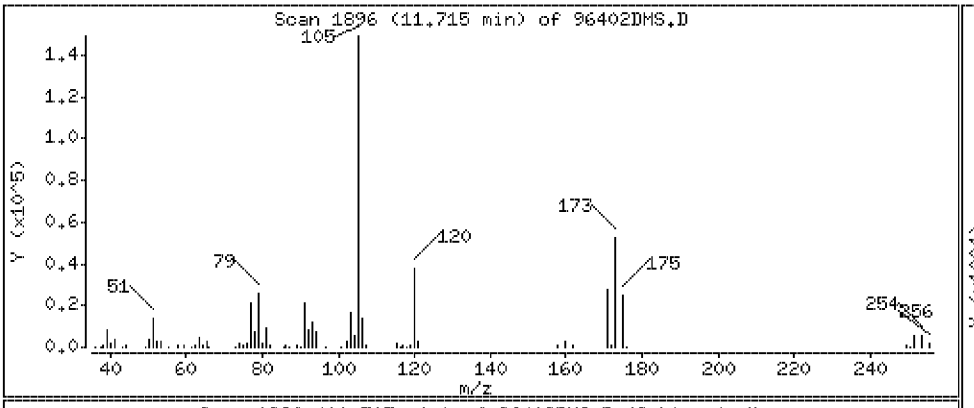
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

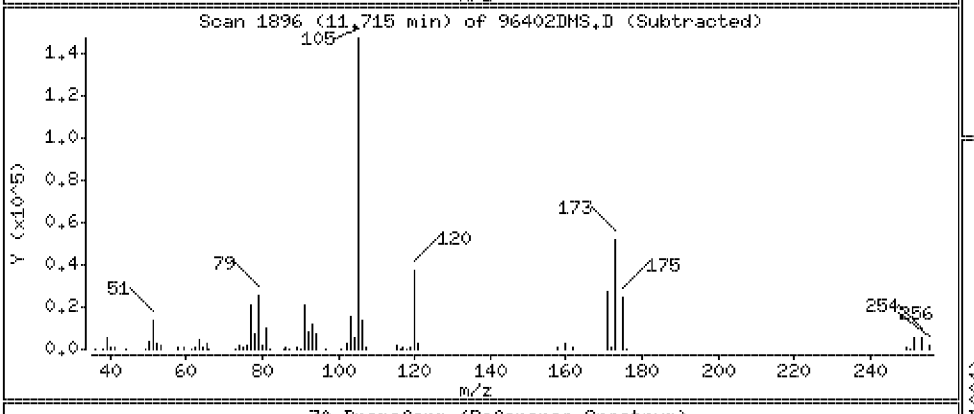
Sample Info: 250696402;2506964;5;

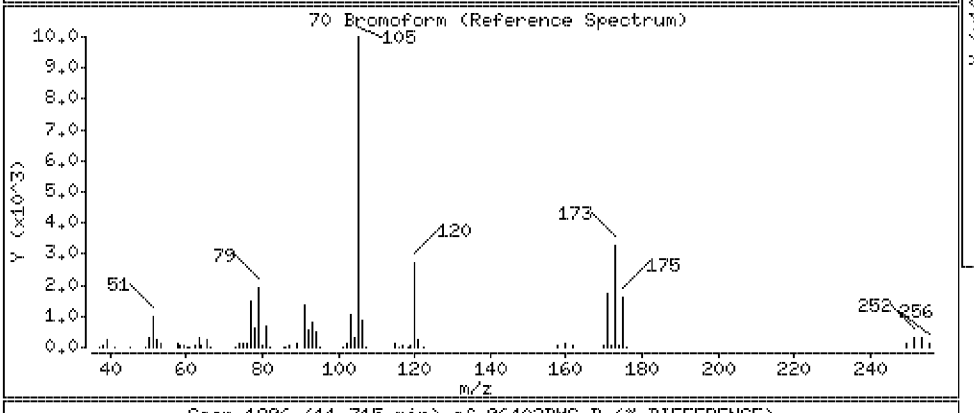
Purge Volume: 5.0 Operator:

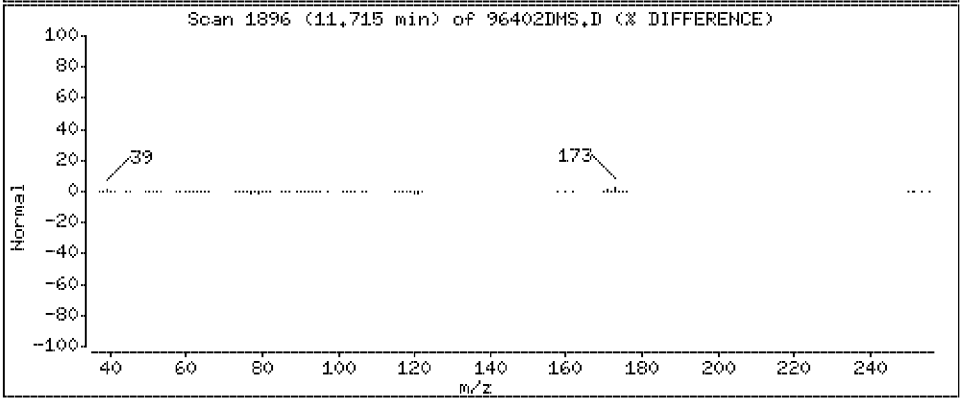
Column phase: DB-624 Column diameter: 0.18

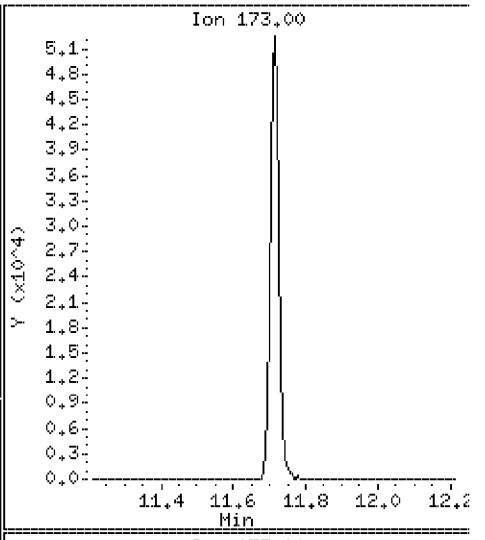
70 Bromoform Concentration: 100 ug/l

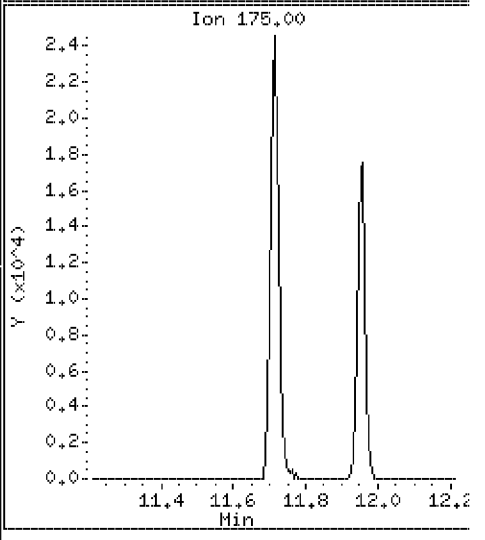












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

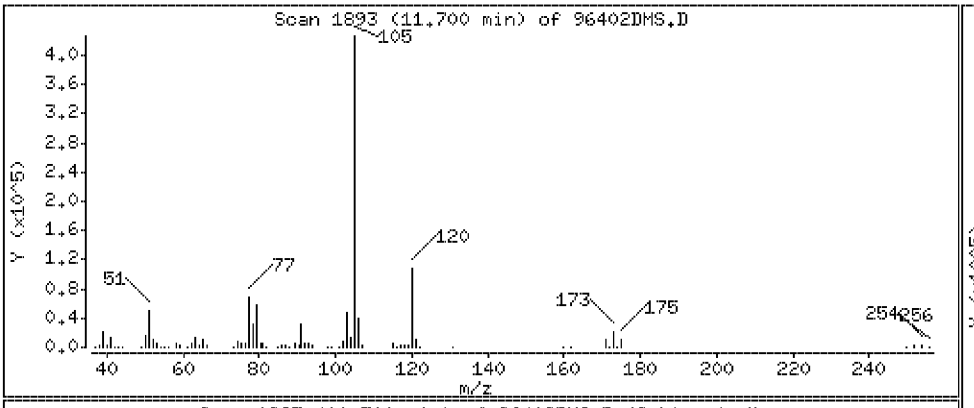
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

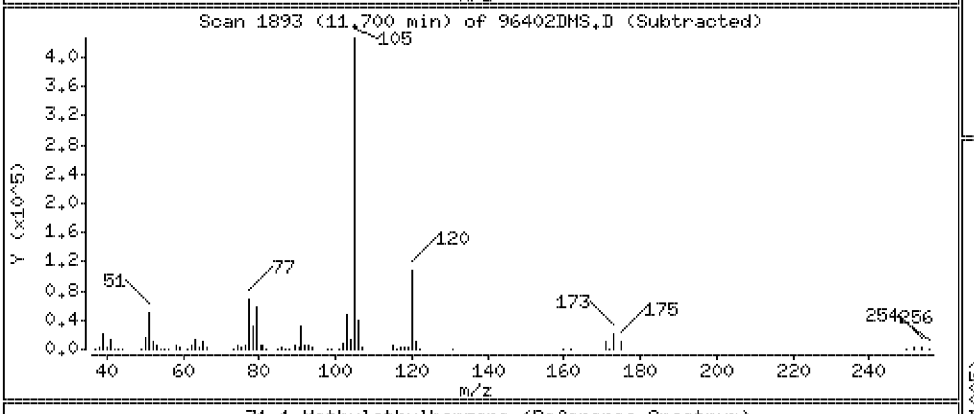
Sample Info: 250696402;2506964;5;

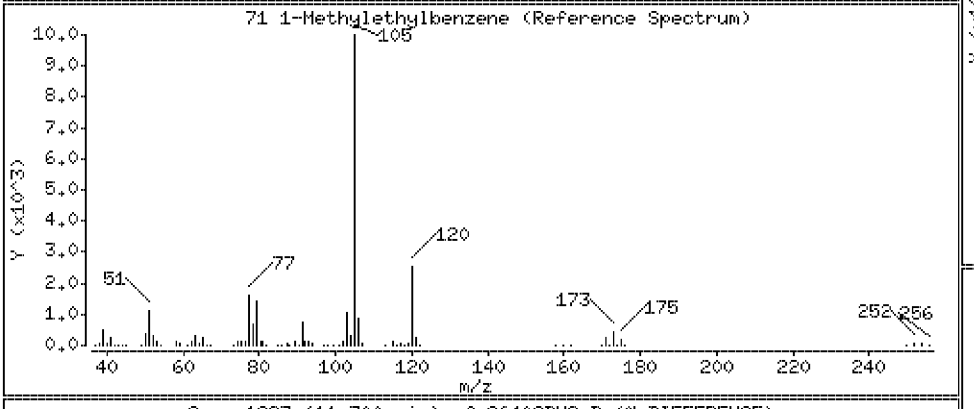
Purge Volume: 5.0 Operator:

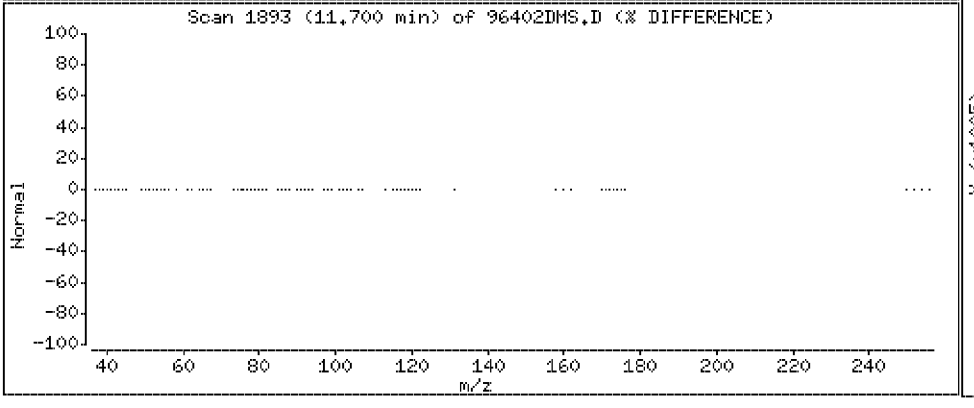
Column phase: DB-624 Column diameter: 0.18

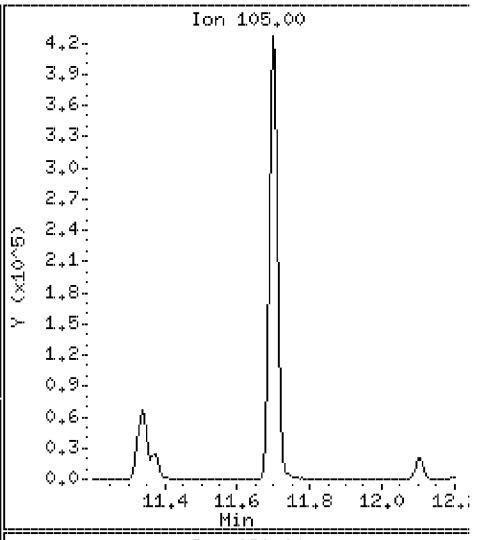
71 1-Methylethylbenzene Concentration: 105 ug/l

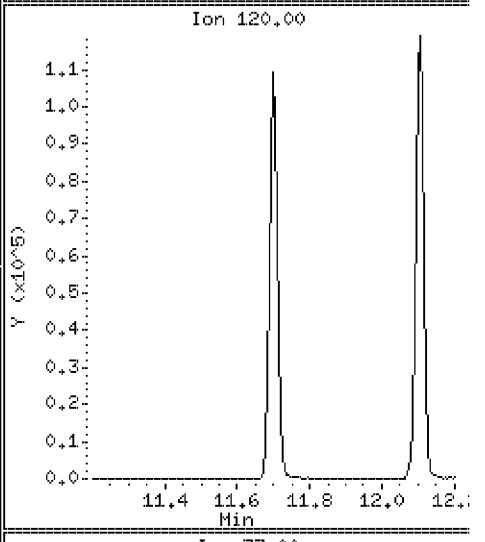


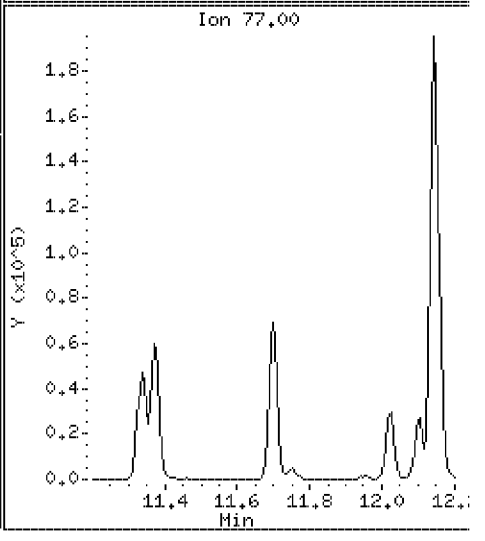












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

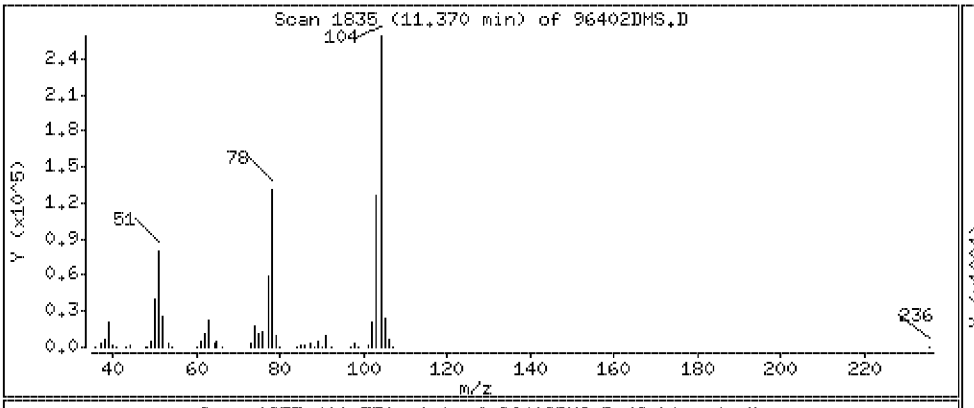
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

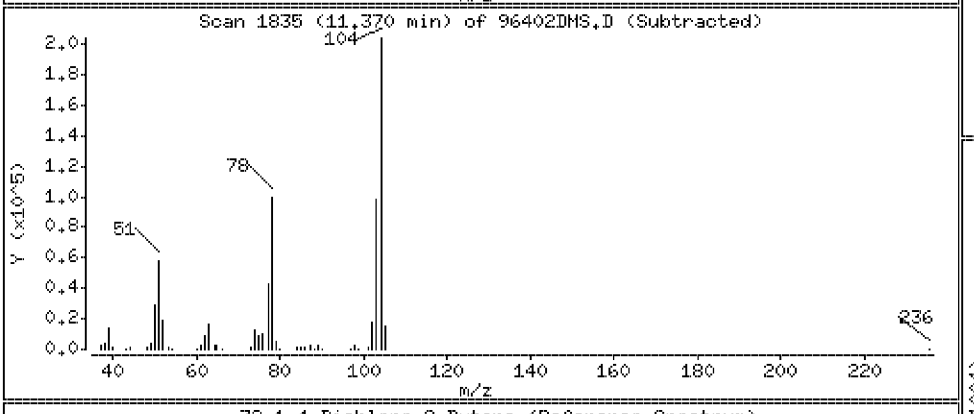
Sample Info: 250696402;2506964;5;

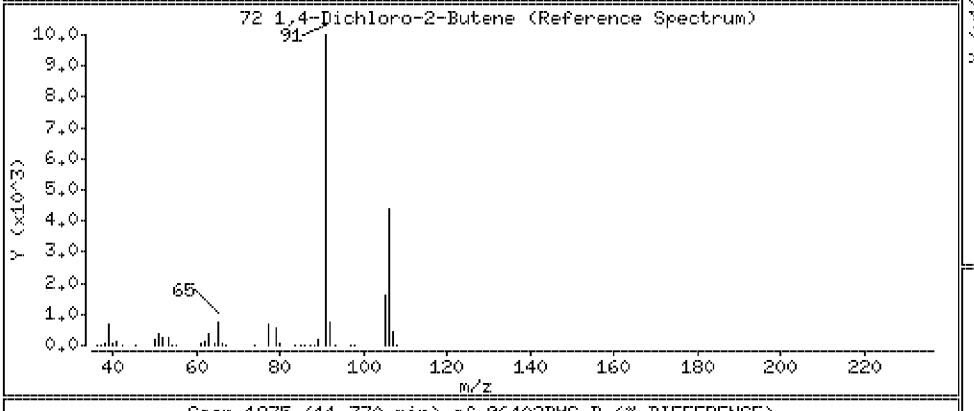
Purge Volume: 5.0 Operator:

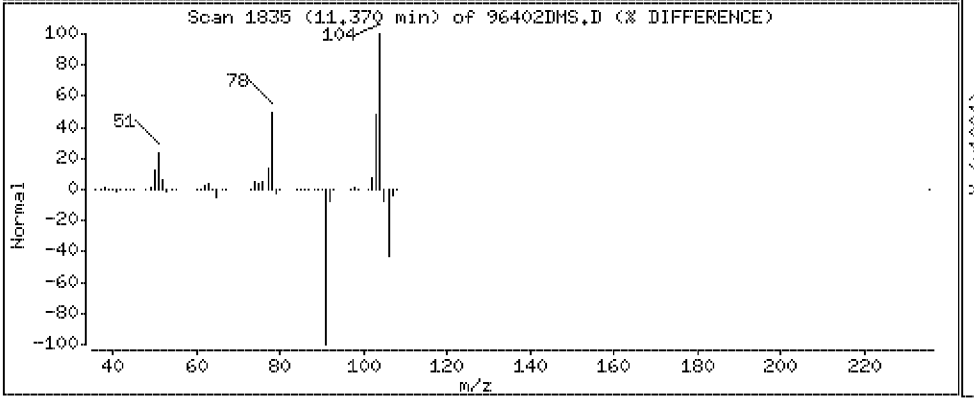
Column phase: DB-624 Column diameter: 0.18

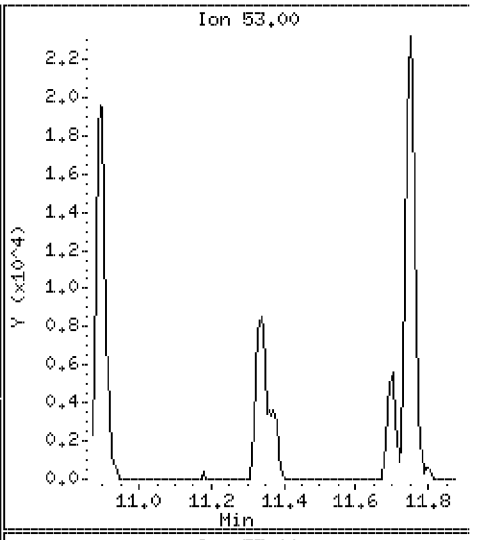
72 1,4-Dichloro-2-Butene Concentration: 188 ug/l

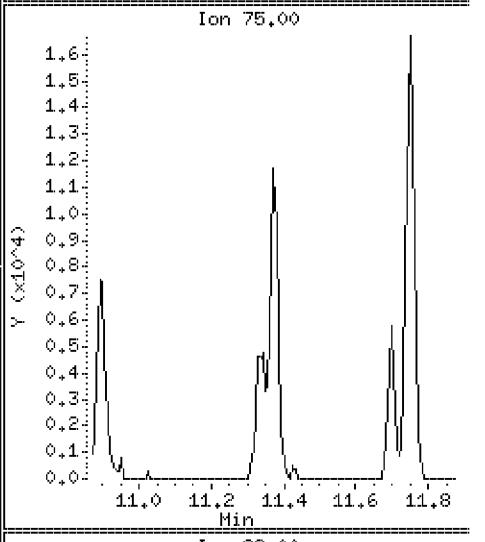


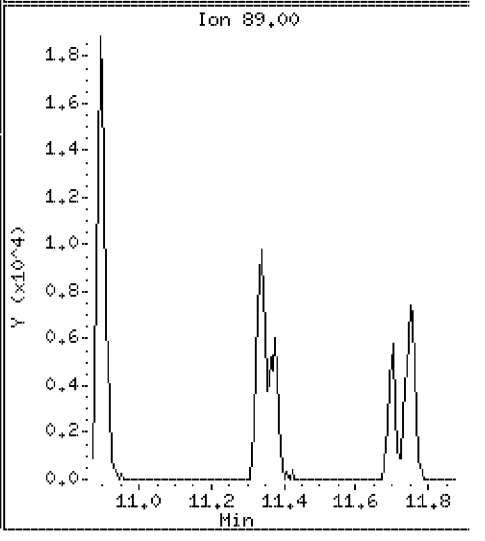












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

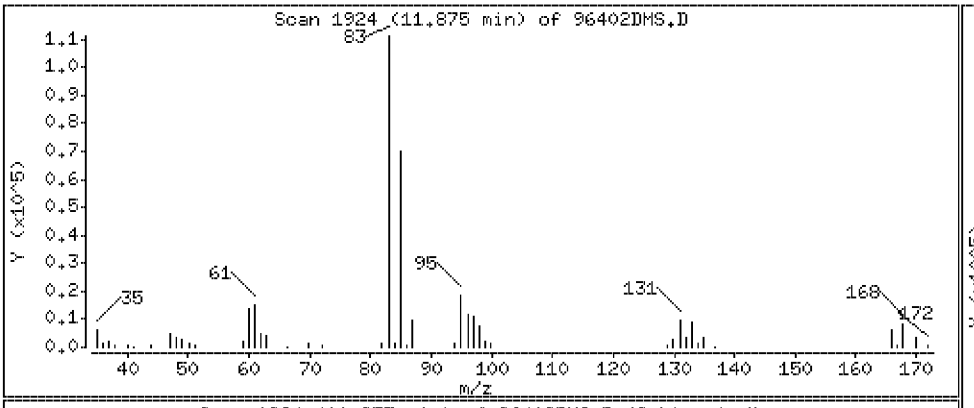
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

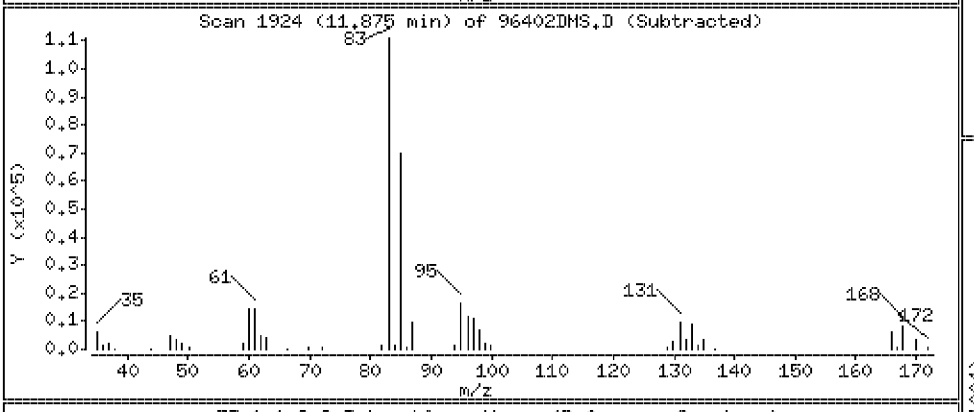
Sample Info: 250696402;2506964;5;

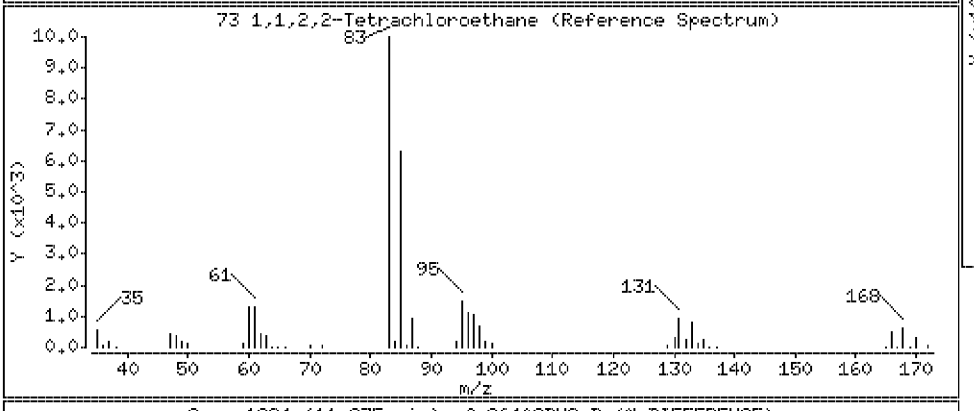
Purge Volume: 5.0 Operator:

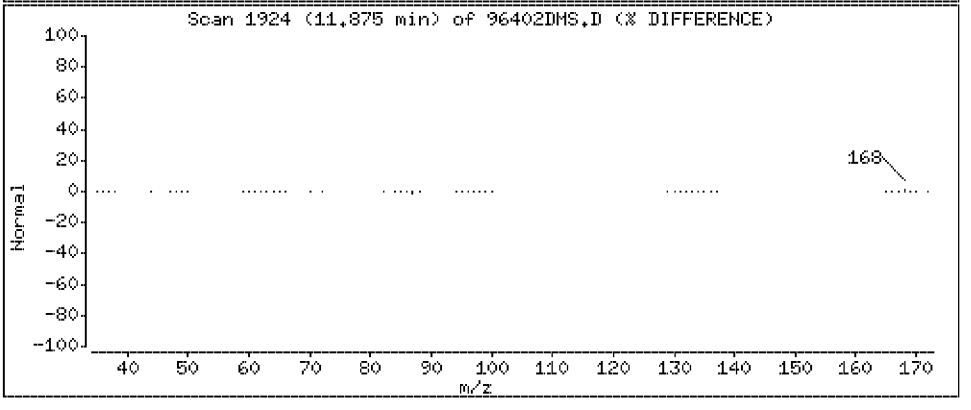
Column phase: DB-624 Column diameter: 0.18

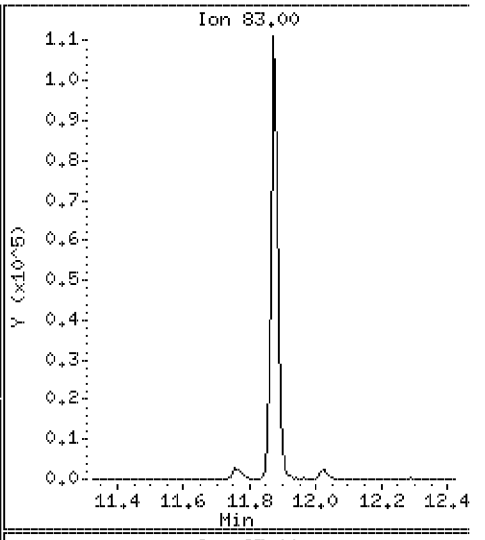
73 1,1,2,2-Tetrachloroethane Concentration: 104 ug/l

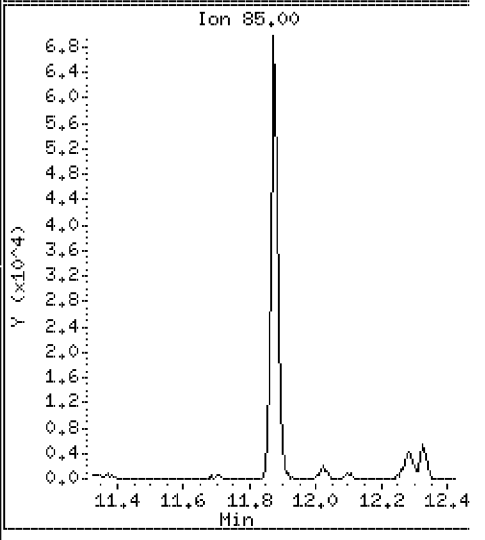












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Date : 15-JUN-2007 11:05

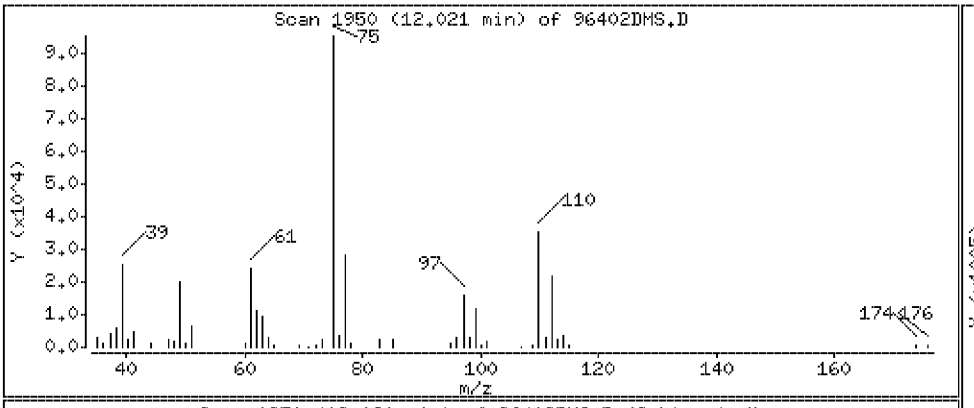
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

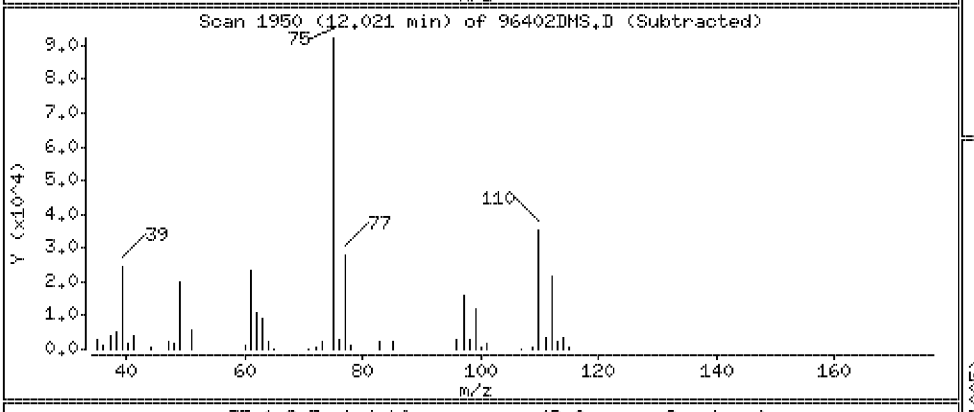
Sample Info: 250696402;2506964;5;

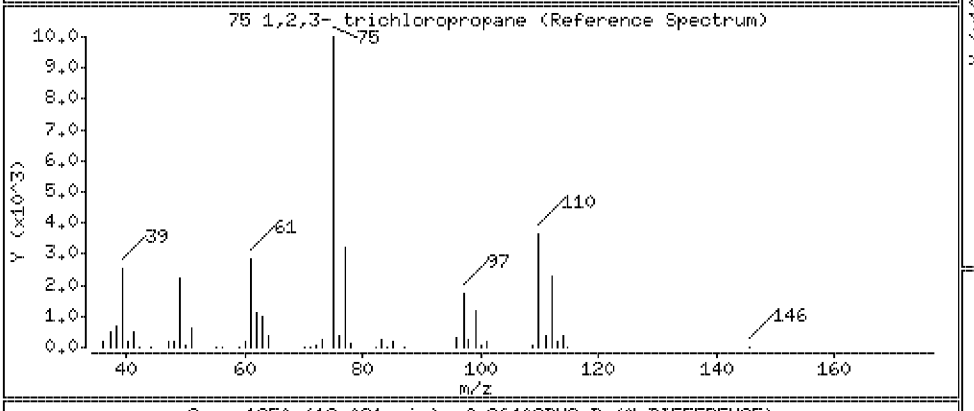
Purge Volume: 5.0 Operator:

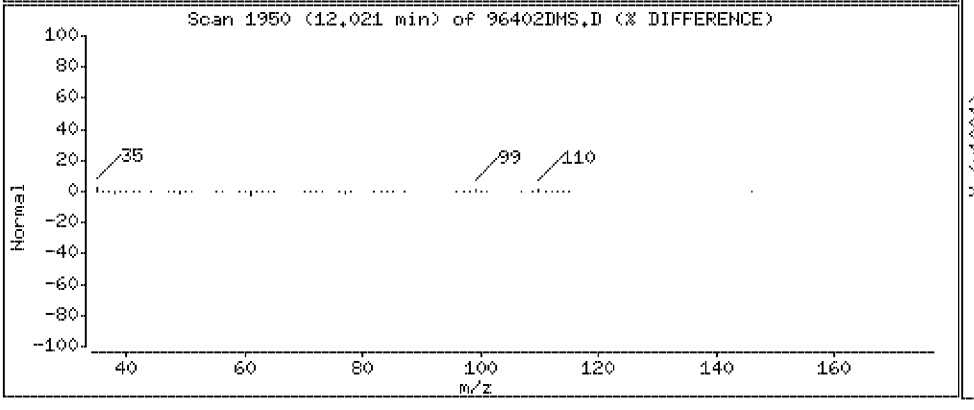
Column phase: DB-624 Column diameter: 0.18

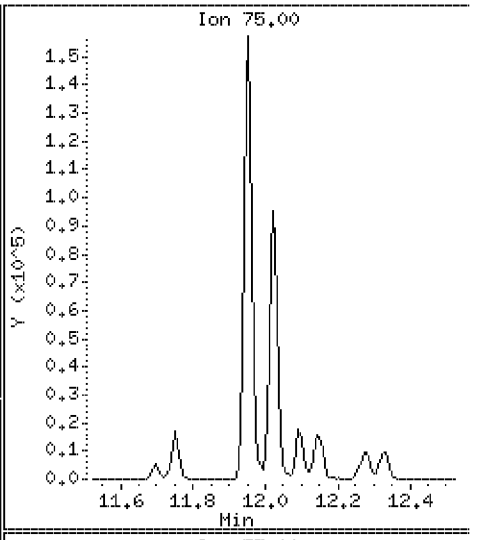
75 1,2,3- trichloropropane Concentration: 103 ug/l

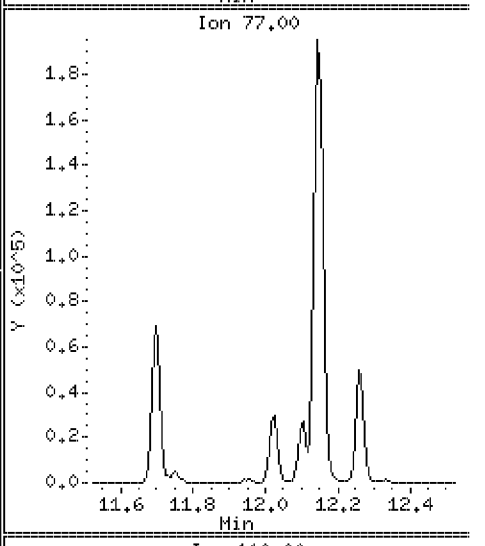


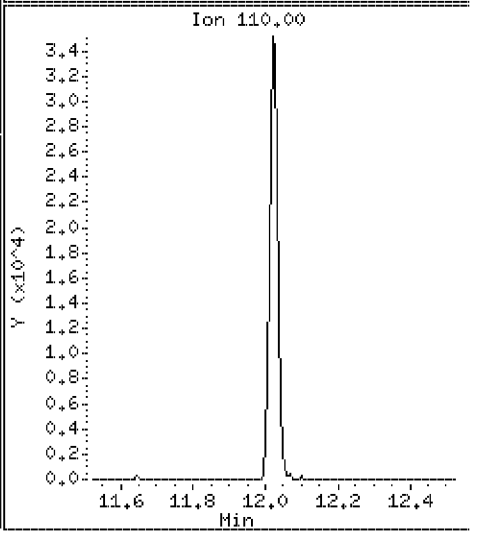












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

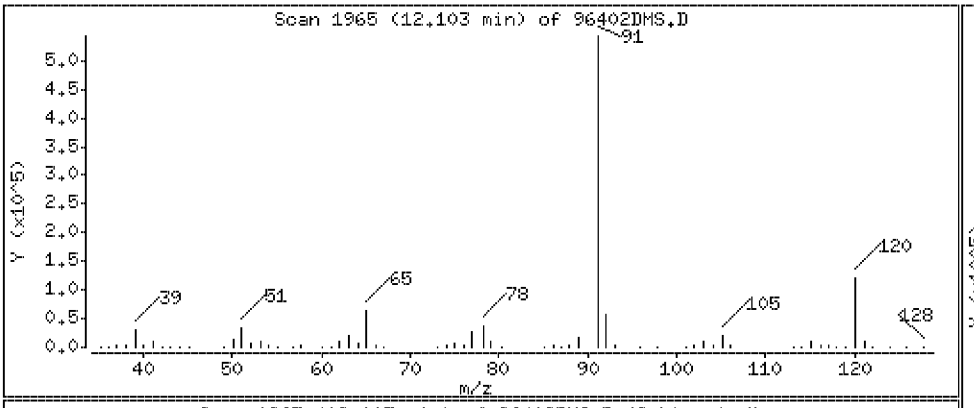
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

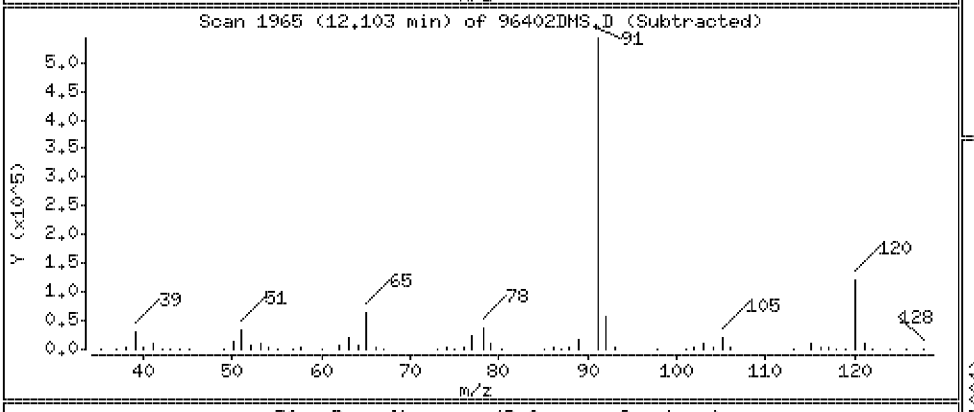
Sample Info: 250696402;2506964;5;

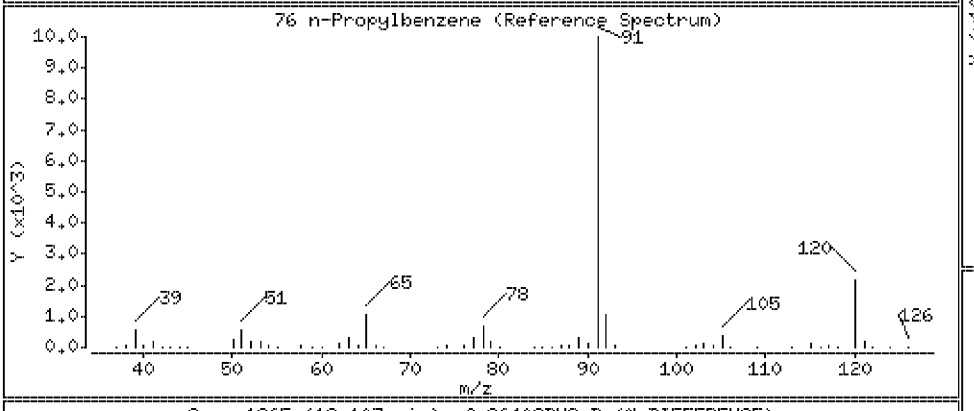
Purge Volume: 5.0 Operator:

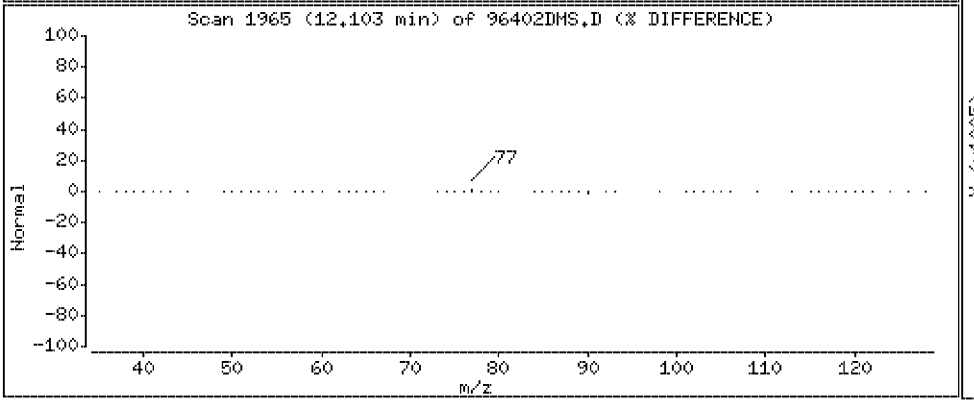
Column phase: DB-624 Column diameter: 0.18

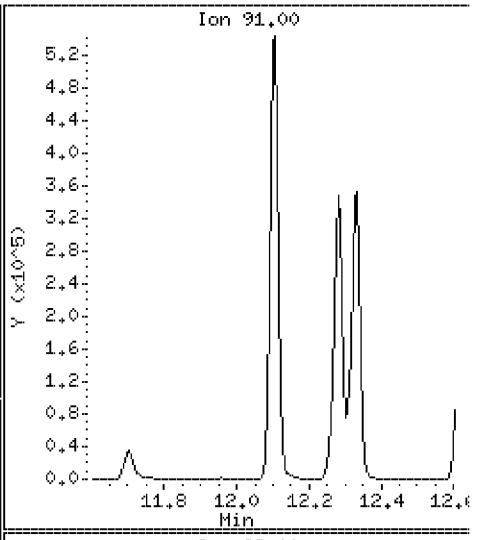
76 n-Propylbenzene Concentration: 105 ug/l

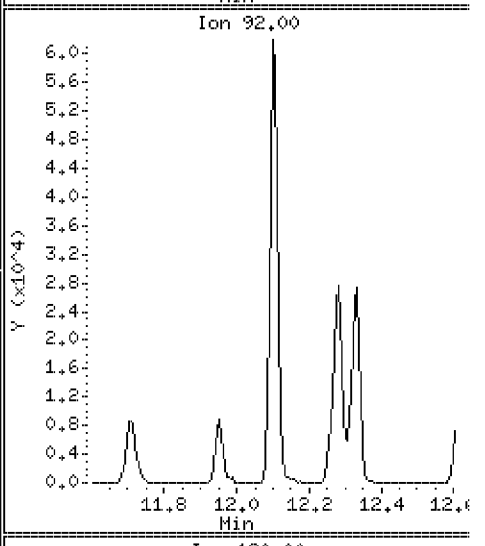


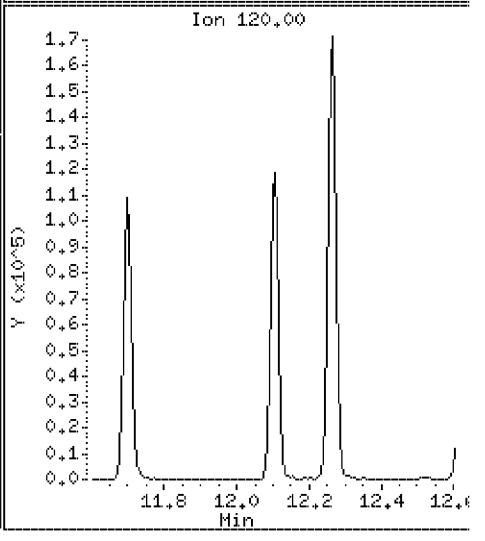












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Date : 15-JUN-2007 11:05

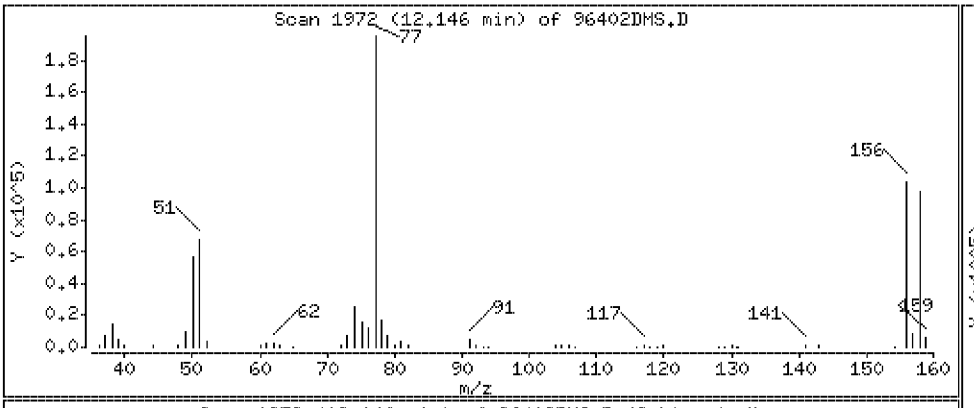
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

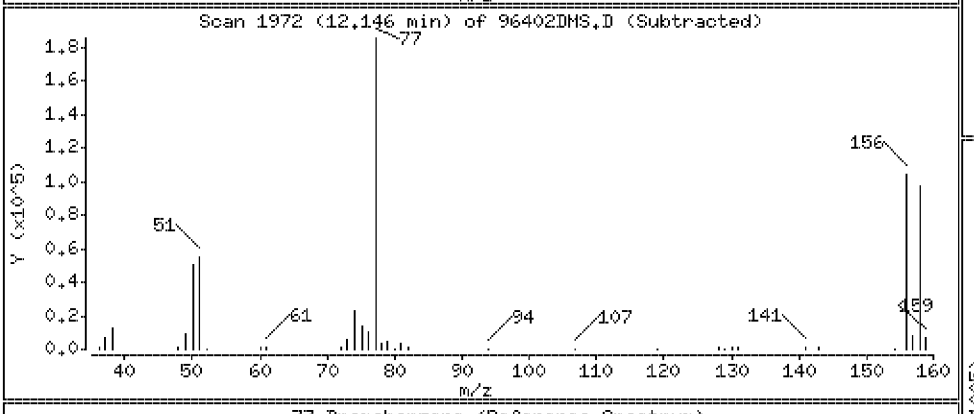
Sample Info: 250696402;2506964;5;

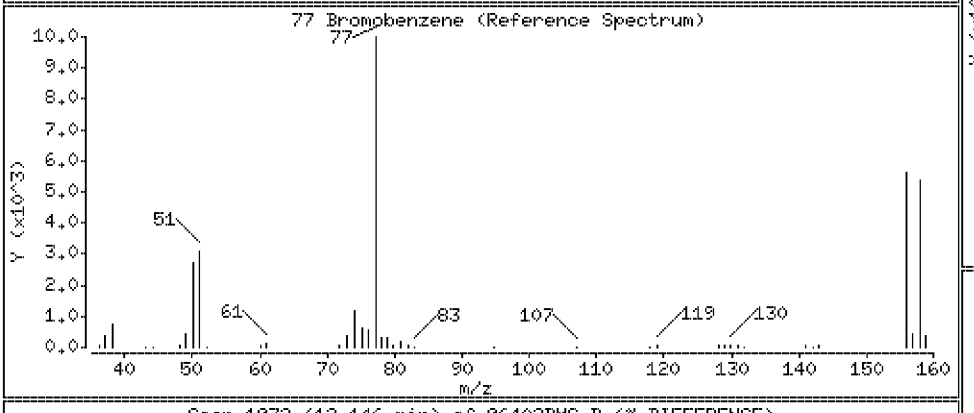
Purge Volume: 5.0 Operator:

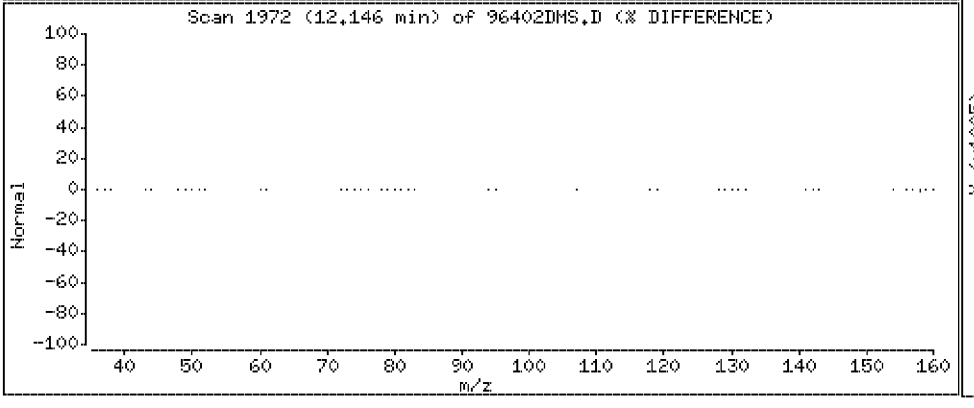
Column phase: DB-624 Column diameter: 0.18

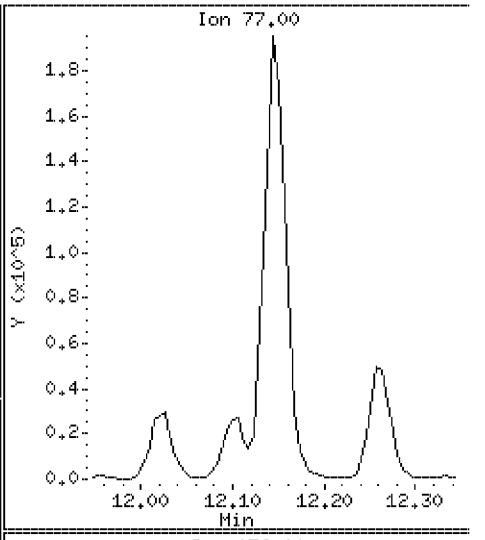
77 Bromobenzene Concentration: 98.1 ug/l

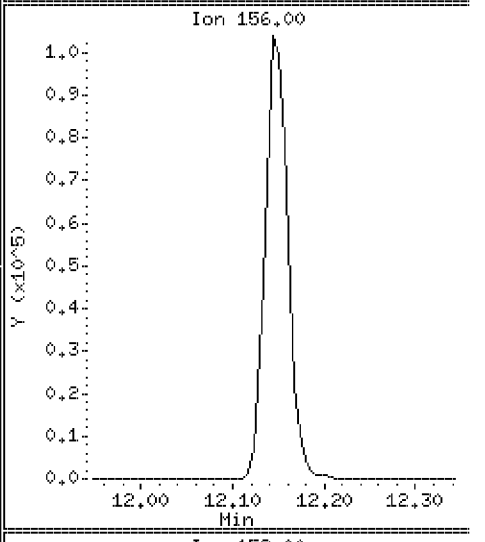


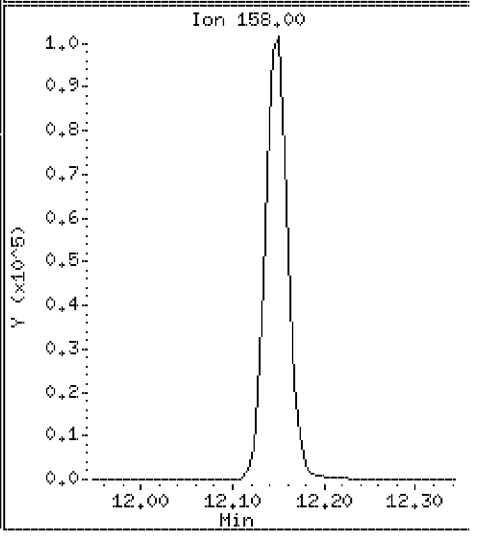












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Date : 15-JUN-2007 11:05

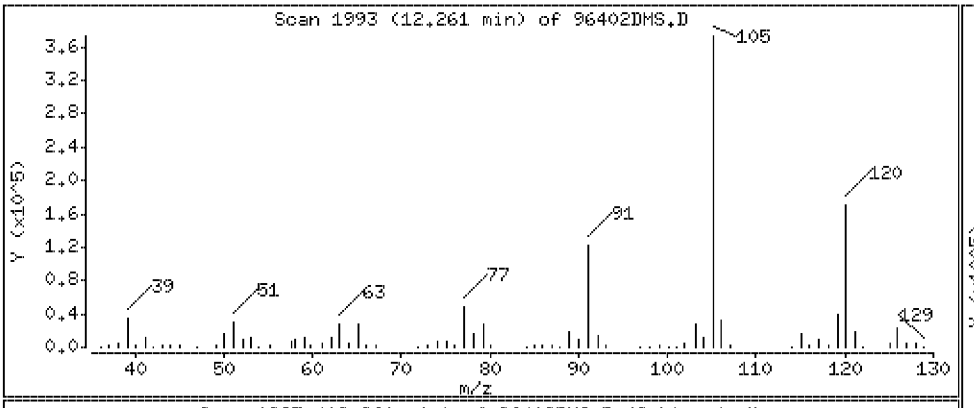
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

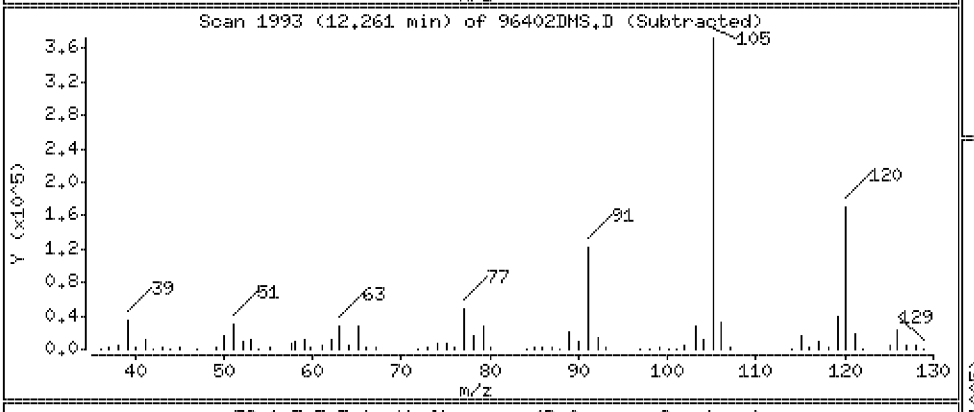
Sample Info: 250696402;2506964;5;

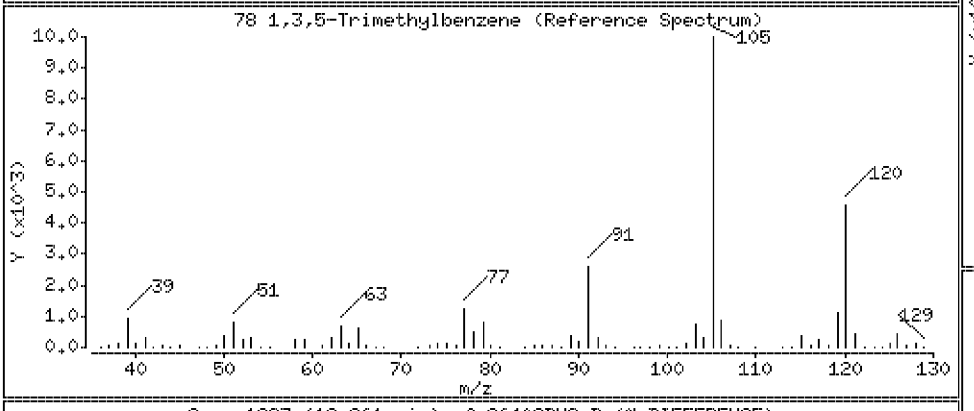
Purge Volume: 5.0 Operator:

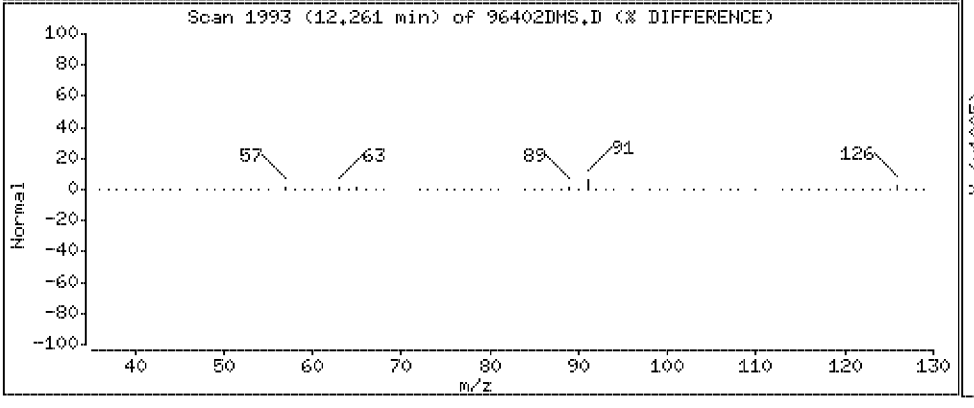
Column phase: DB-624 Column diameter: 0.18

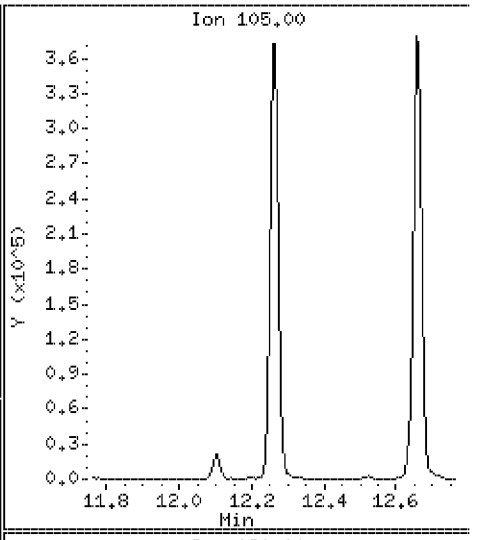
78 1,3,5-Trimethylbenzene Concentration: 103 ug/l

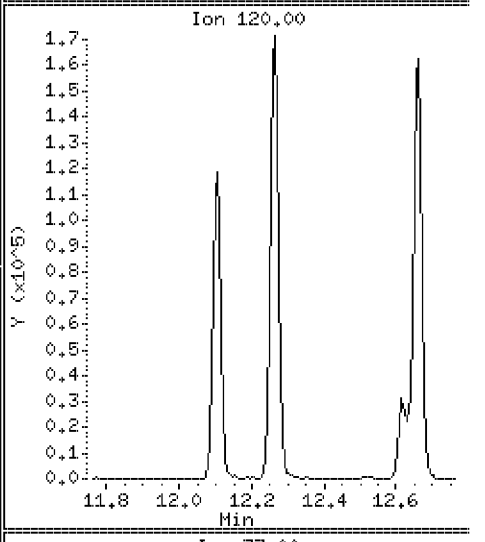


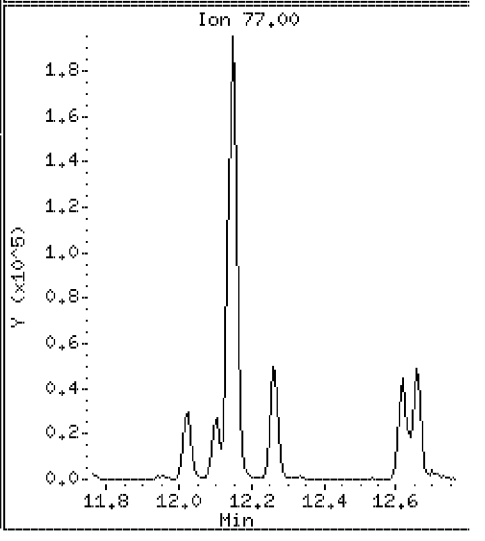












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

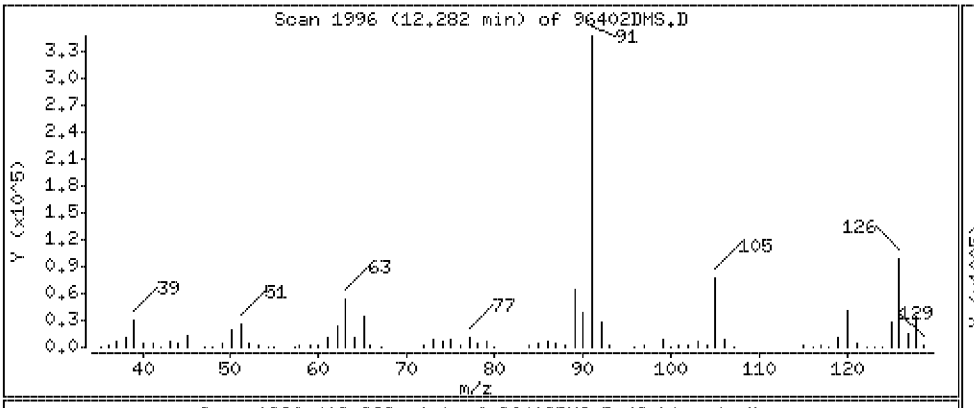
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

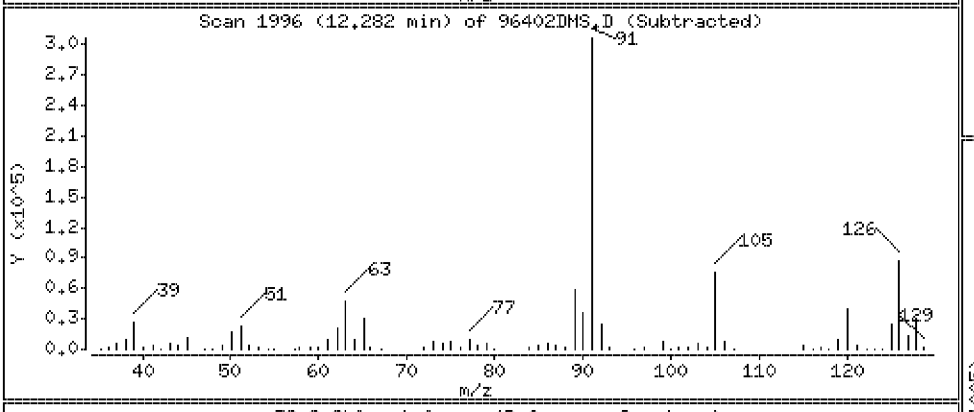
Sample Info: 250696402;2506964;5;

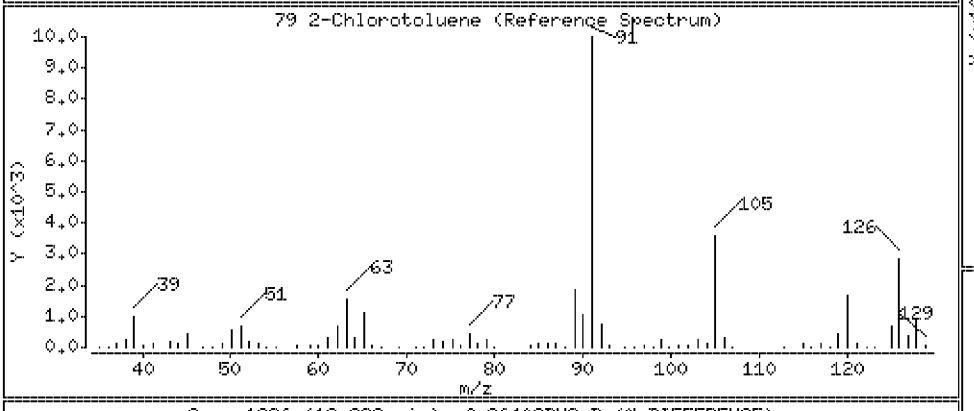
Purge Volume: 5.0 Operator:

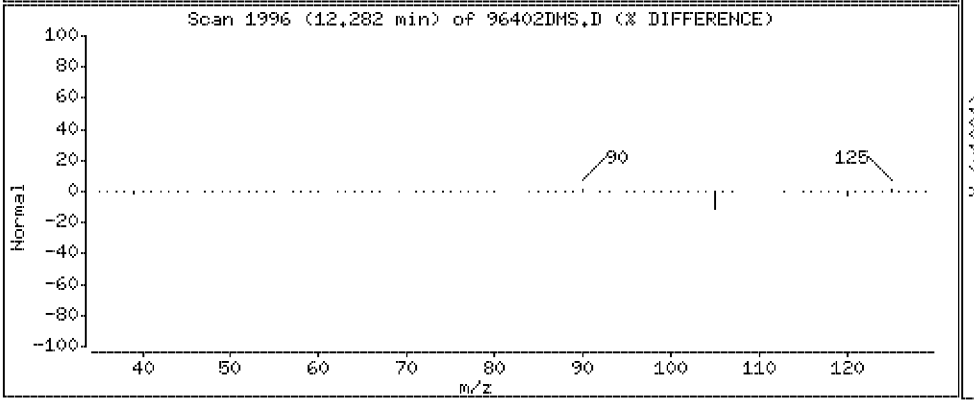
Column phase: DB-624 Column diameter: 0.18

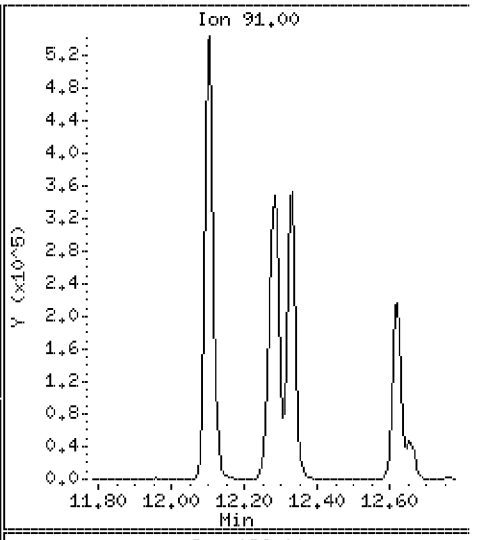
79 2-Chlorotoluene Concentration: 103 ug/l

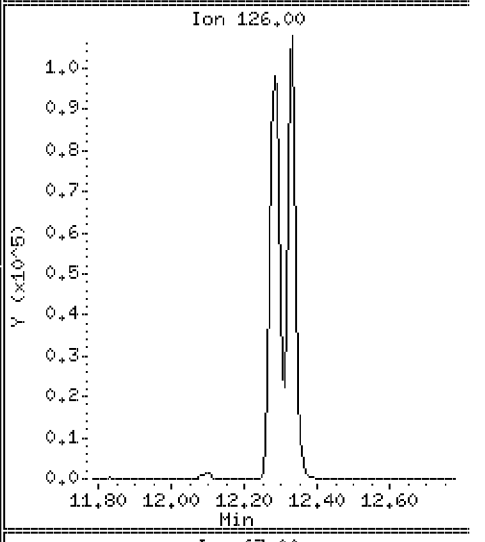


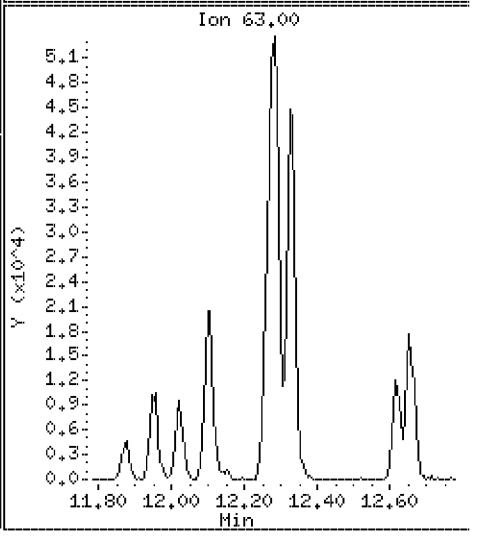












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

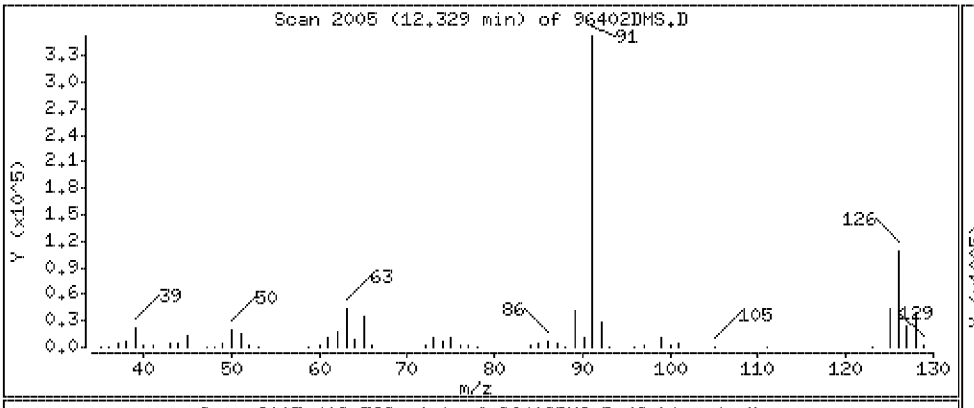
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

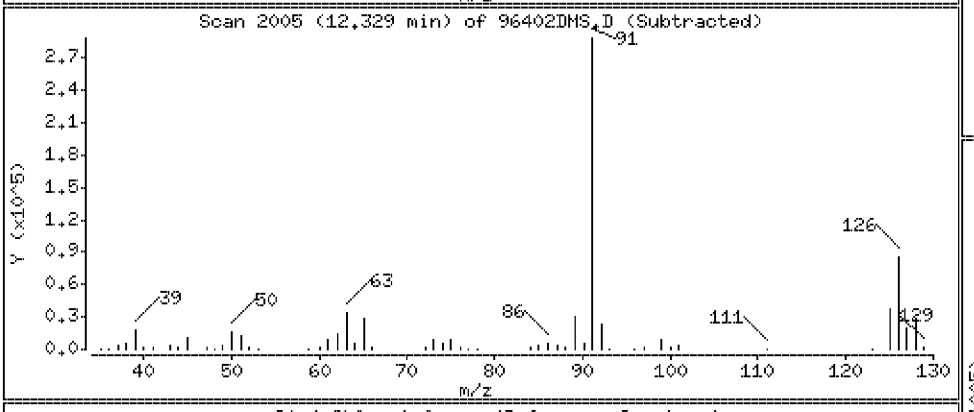
Sample Info: 250696402;2506964;5;

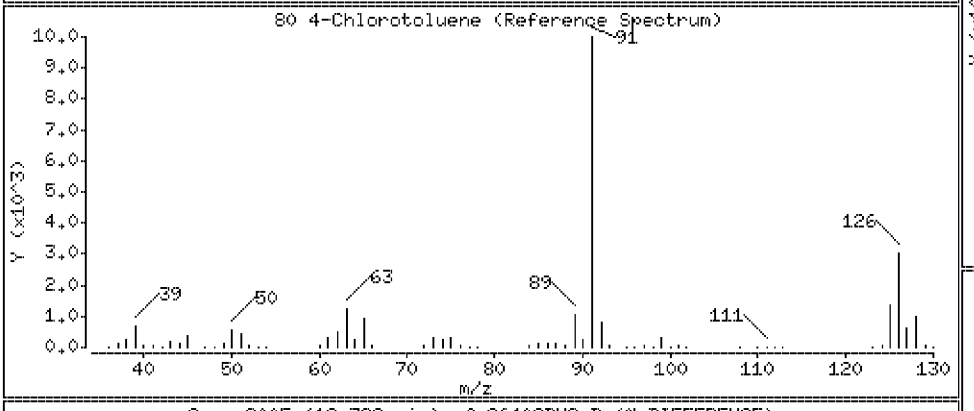
Purge Volume: 5.0 Operator:

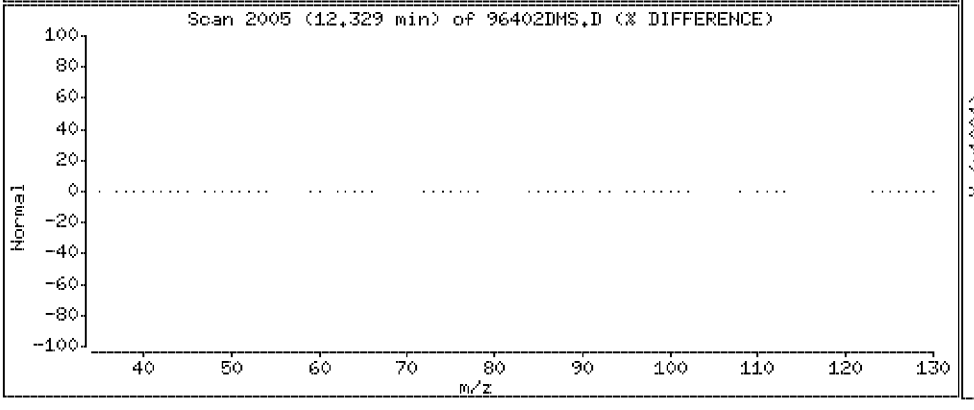
Column phase: DB-624 Column diameter: 0.18

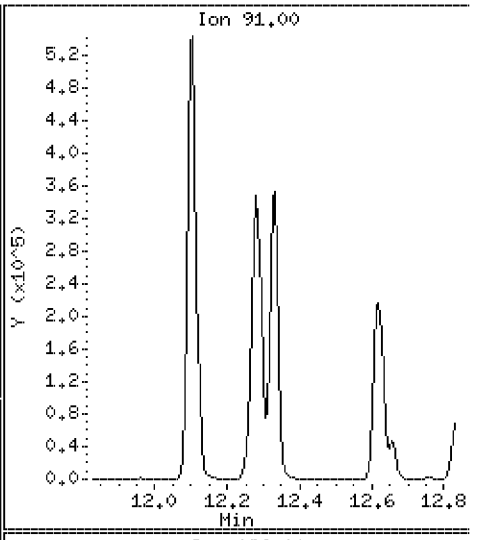
80 4-Chlorotoluene Concentration: 101 ug/l

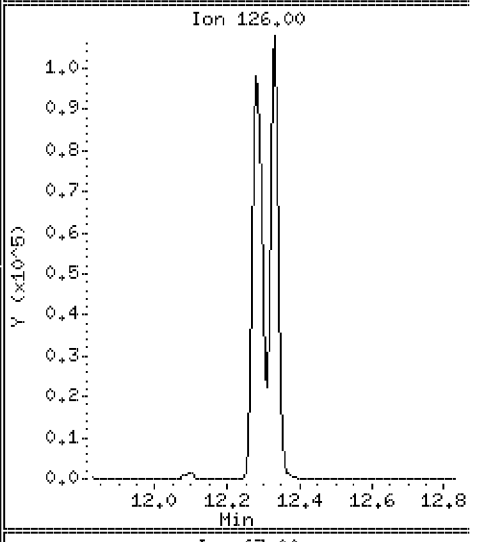


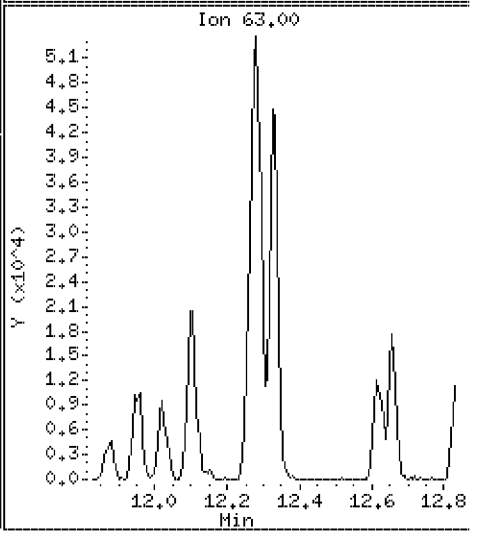












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

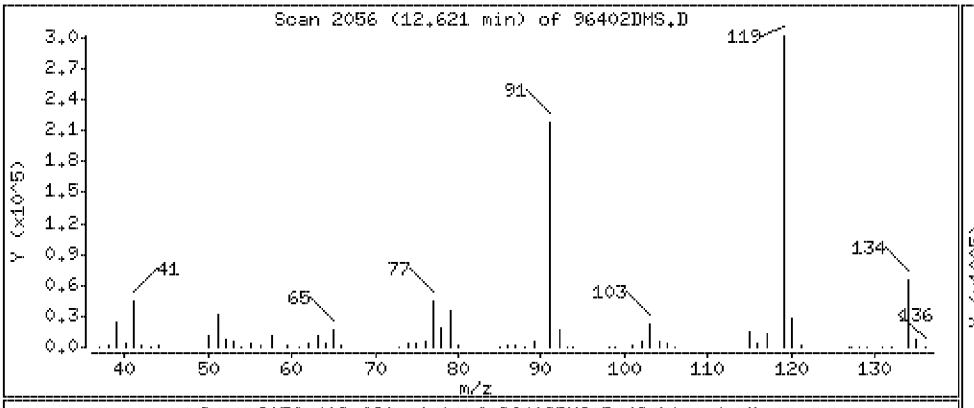
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

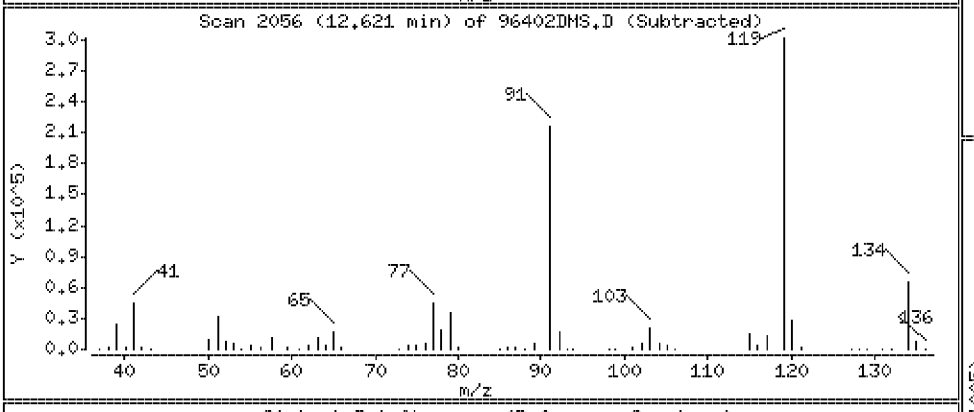
Sample Info: 250696402;2506964;5;

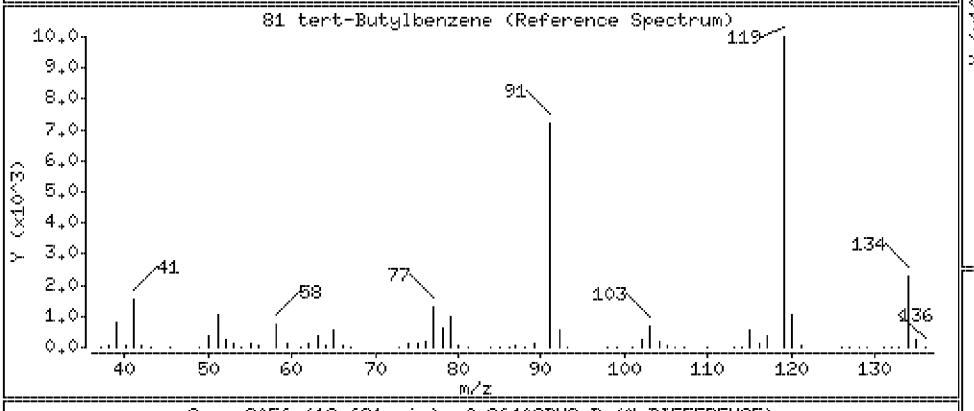
Purge Volume: 5.0 Operator:

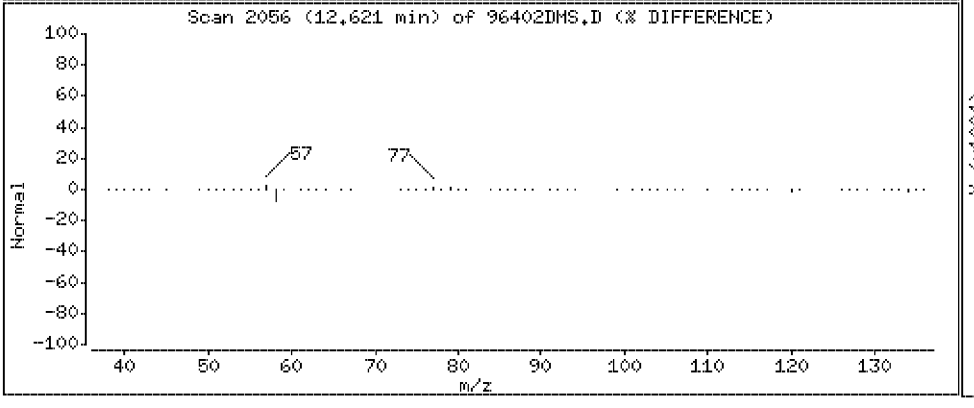
Column phase: DB-624 Column diameter: 0.18

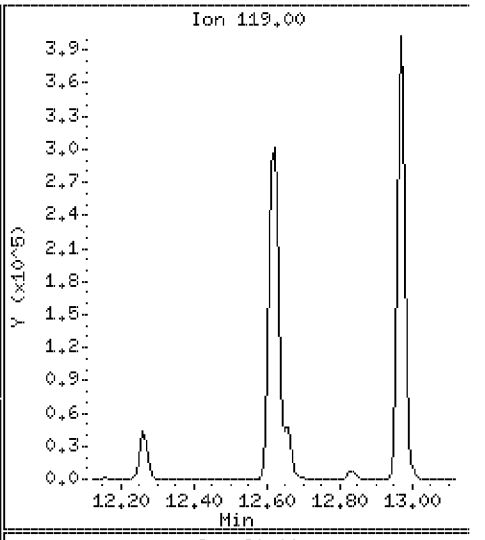
81 tert-Butylbenzene Concentration: 105 ug/l

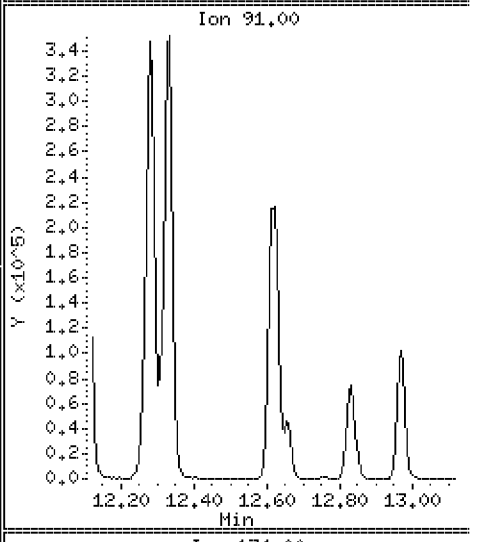


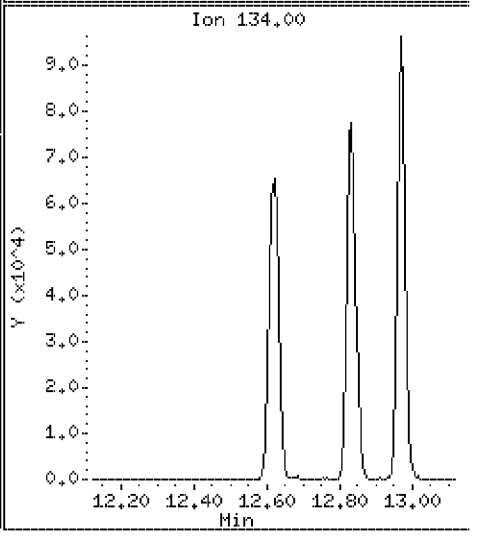












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

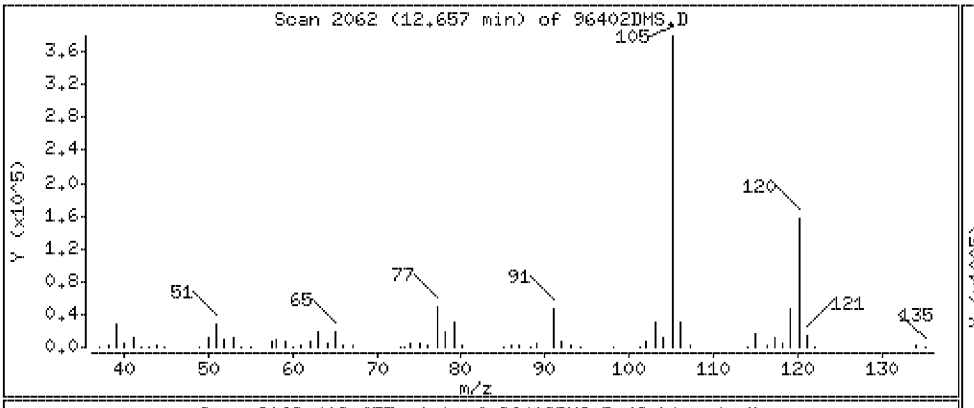
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

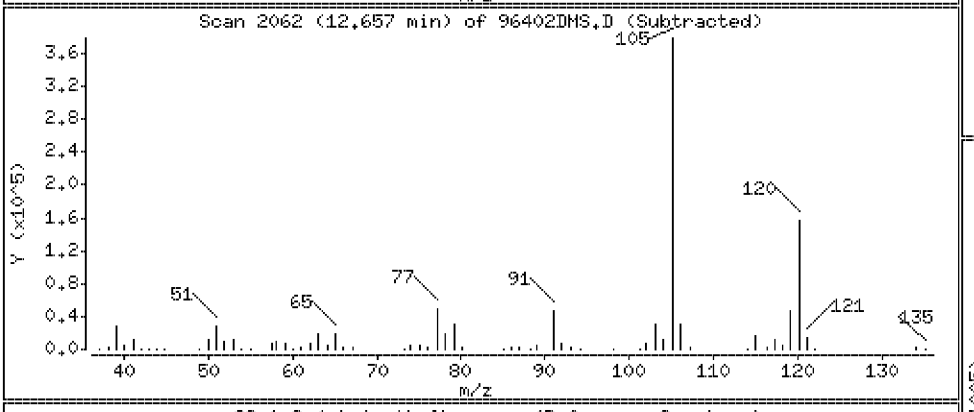
Sample Info: 250696402;2506964;5;

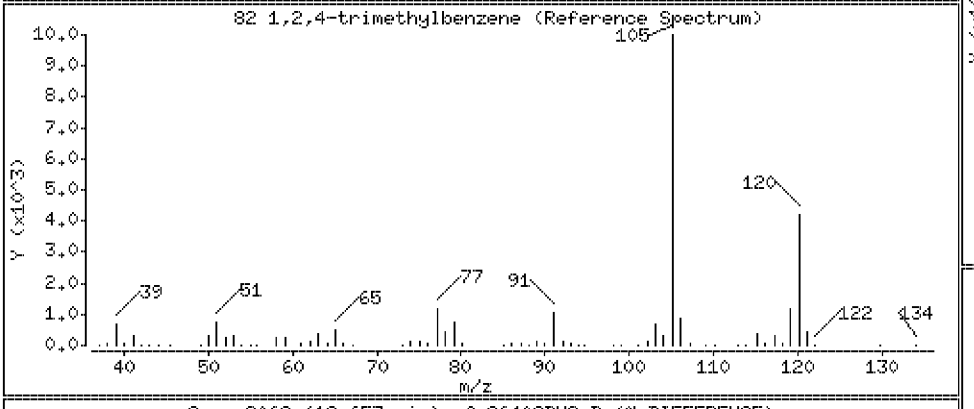
Purge Volume: 5.0 Operator:

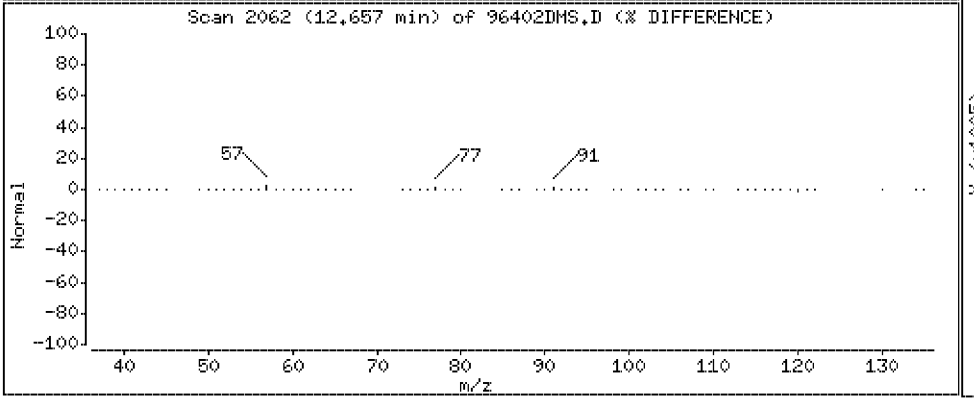
Column phase: DB-624 Column diameter: 0.18

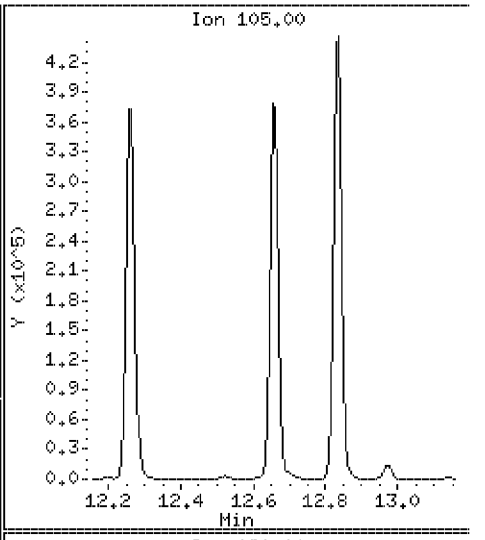
82 1,2,4-trimethylbenzene Concentration: 103 ug/l

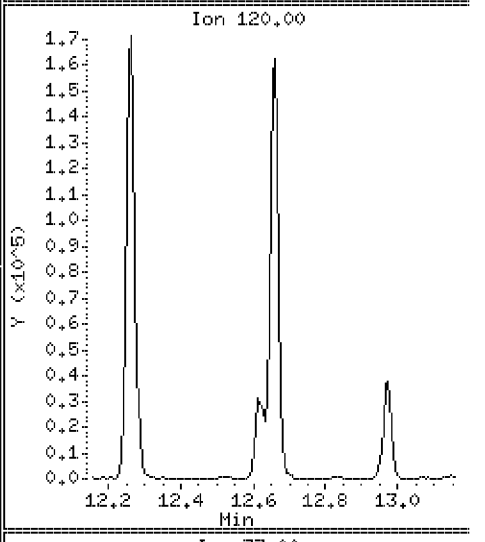


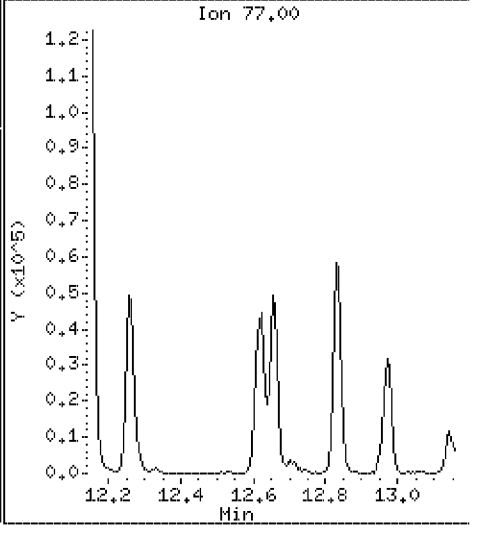












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

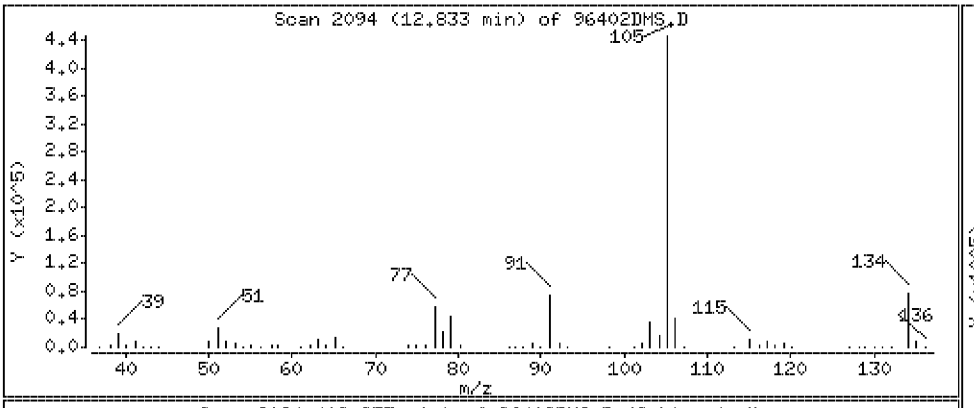
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

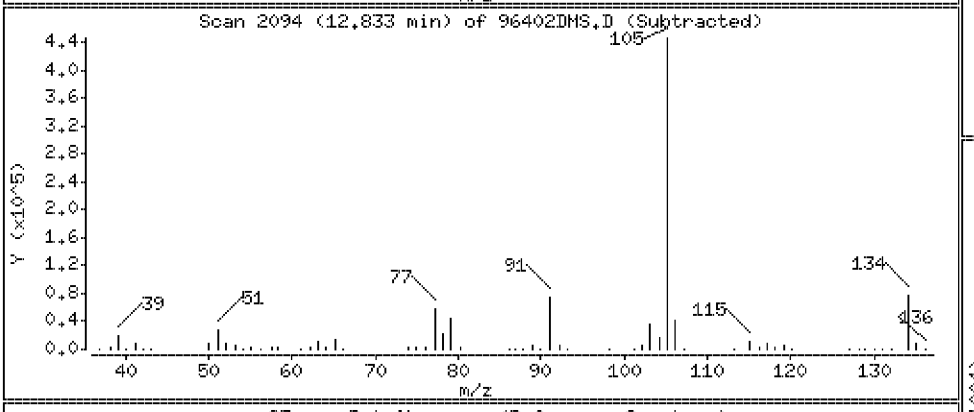
Sample Info: 250696402;2506964;5;

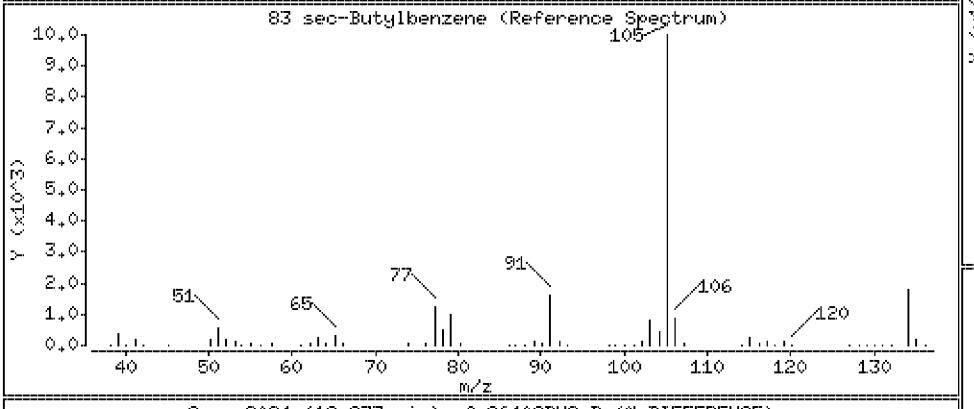
Purge Volume: 5.0 Operator:

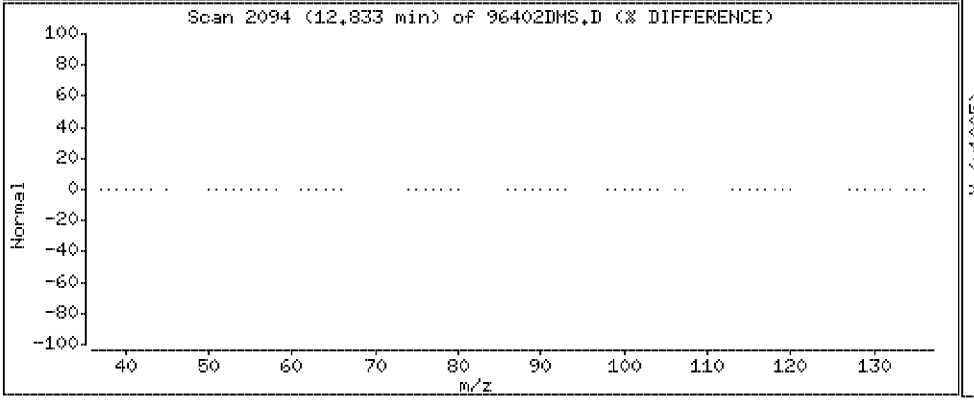
Column phase: DB-624 Column diameter: 0.18

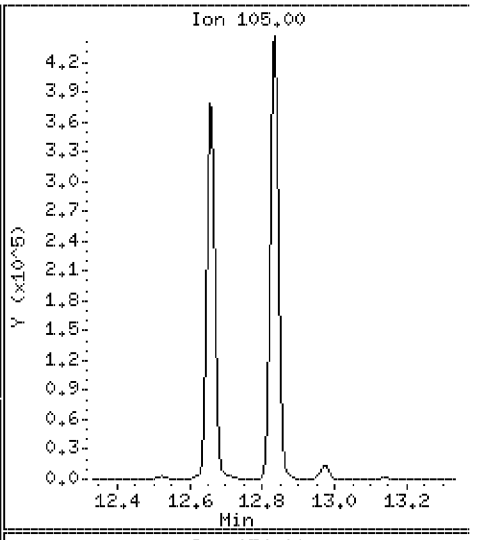
83 sec-Butylbenzene Concentration: 105 ug/l

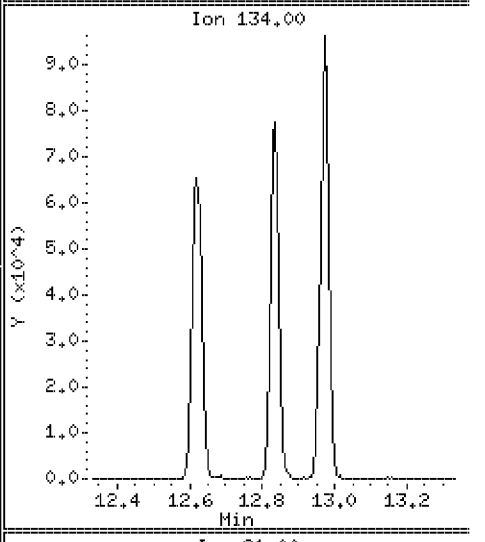


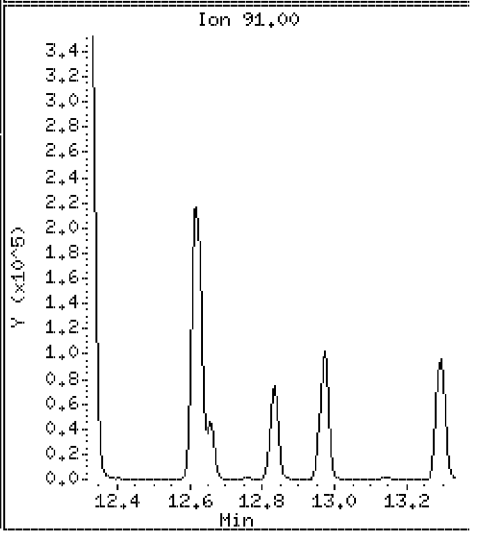












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

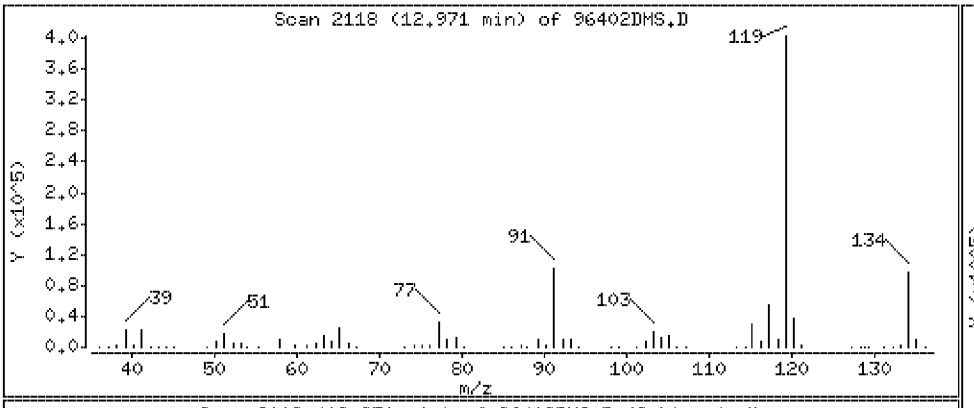
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

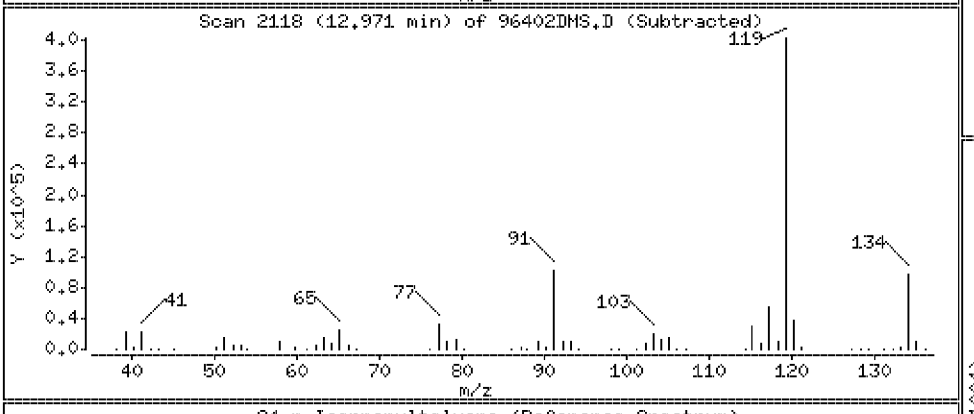
Sample Info: 250696402;2506964;5;

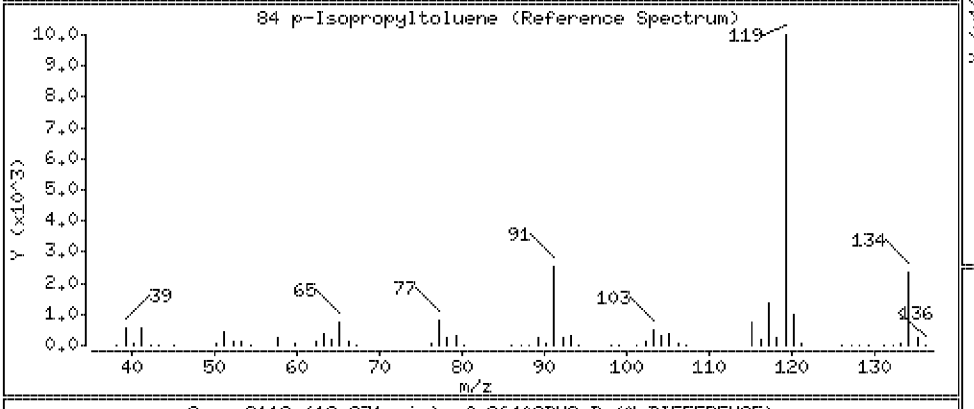
Purge Volume: 5.0 Operator:

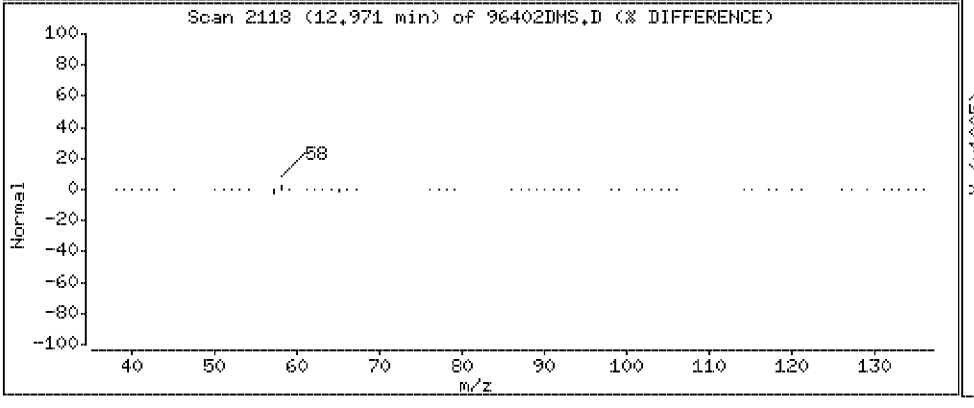
Column phase: DB-624 Column diameter: 0.18

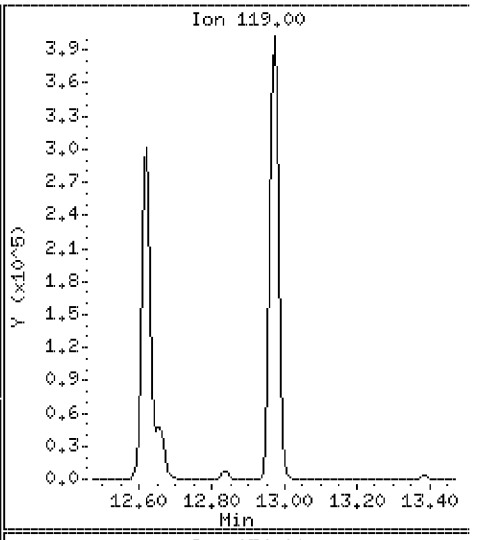
84 p-Isopropyltoluene Concentration: 104 ug/l

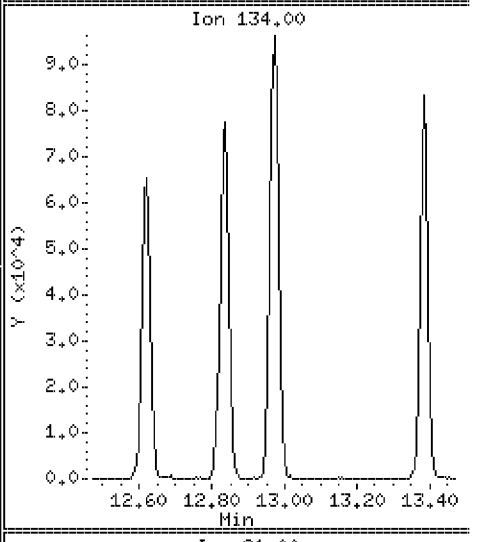


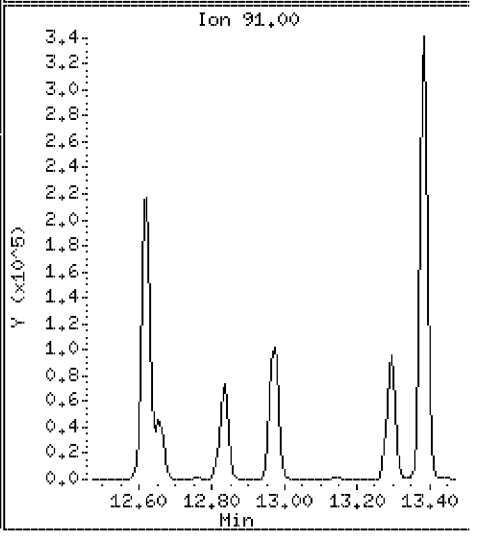












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Date : 15-JUN-2007 11:05

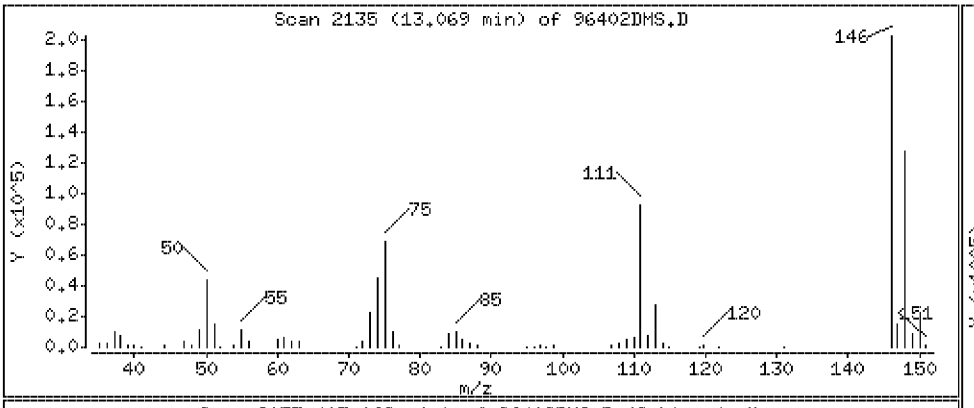
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

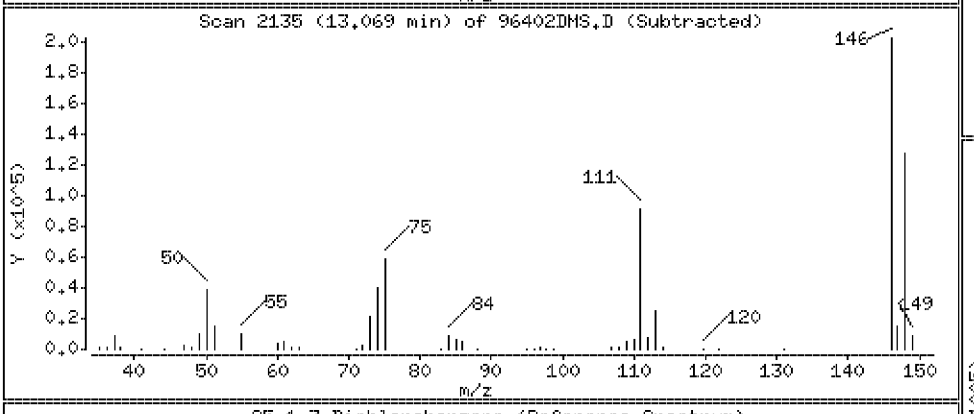
Sample Info: 250696402;2506964;5;

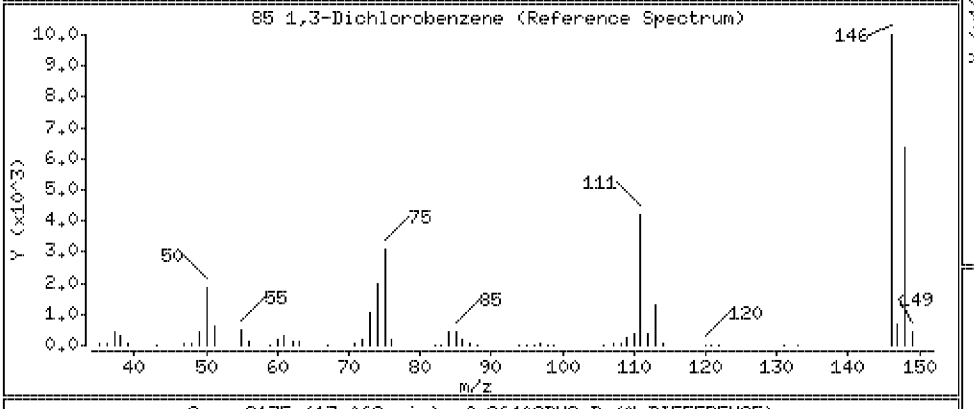
Purge Volume: 5.0 Operator:

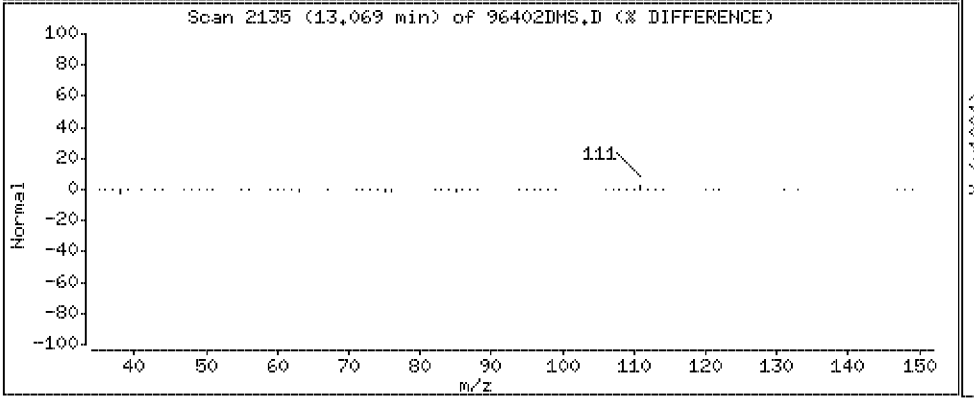
Column phase: DB-624 Column diameter: 0.18

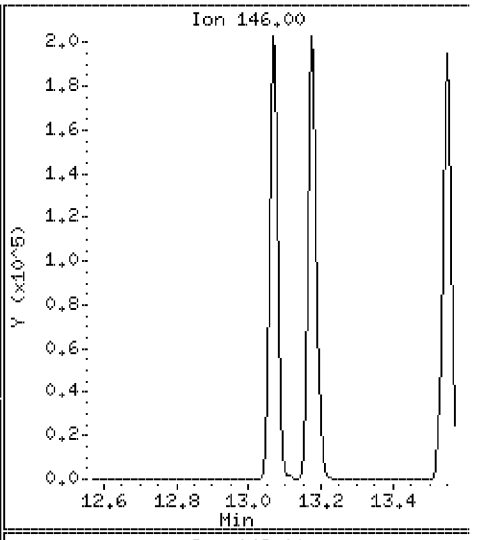
85 1,3-Dichlorobenzene Concentration: 103 ug/l

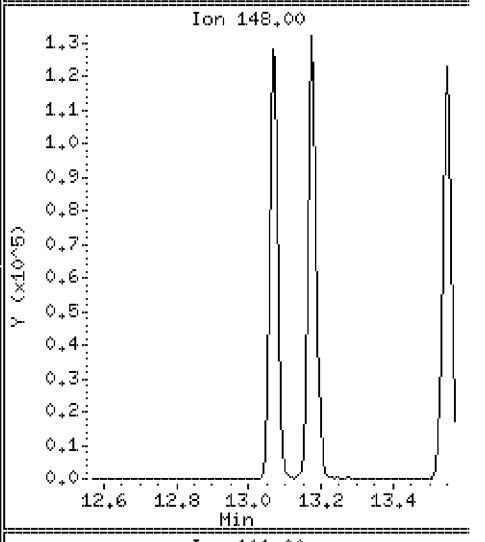


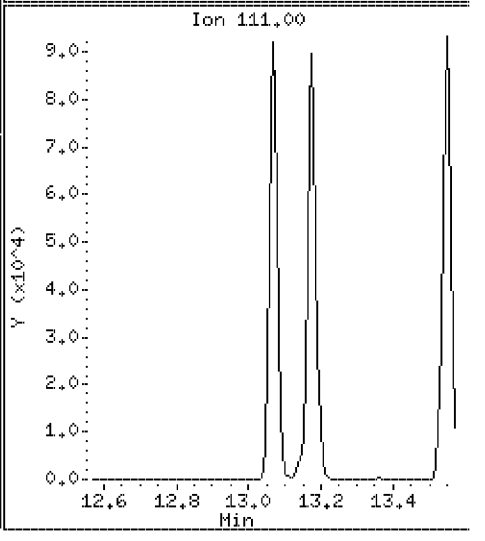












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

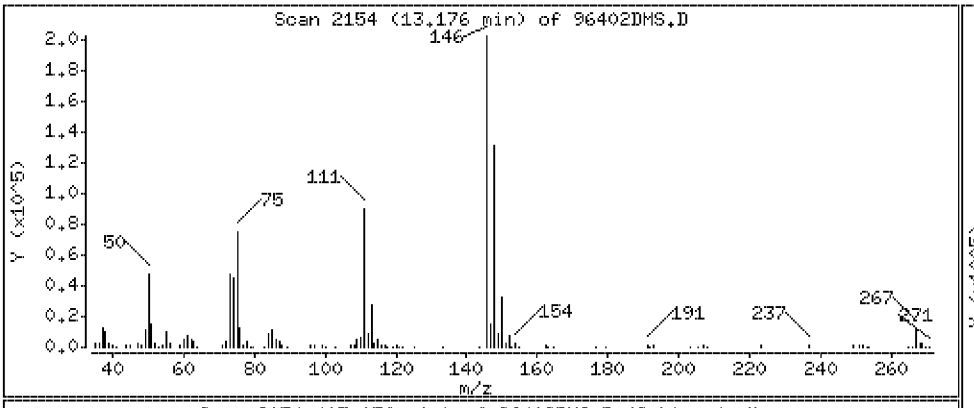
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

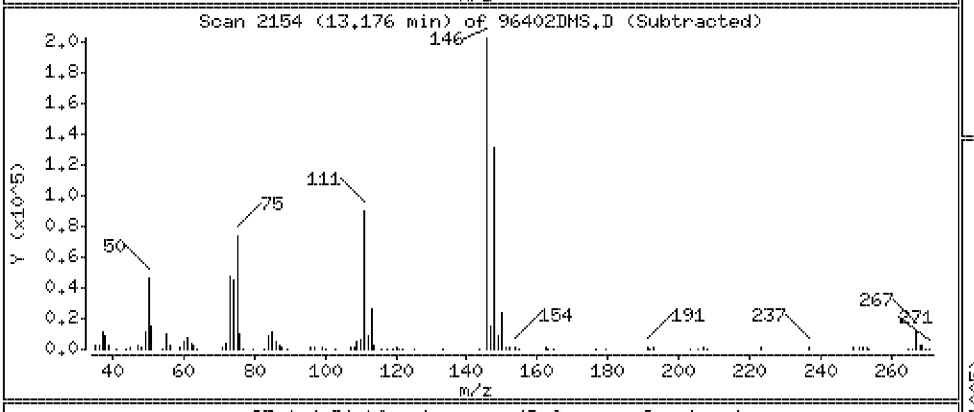
Sample Info: 250696402;2506964;5;

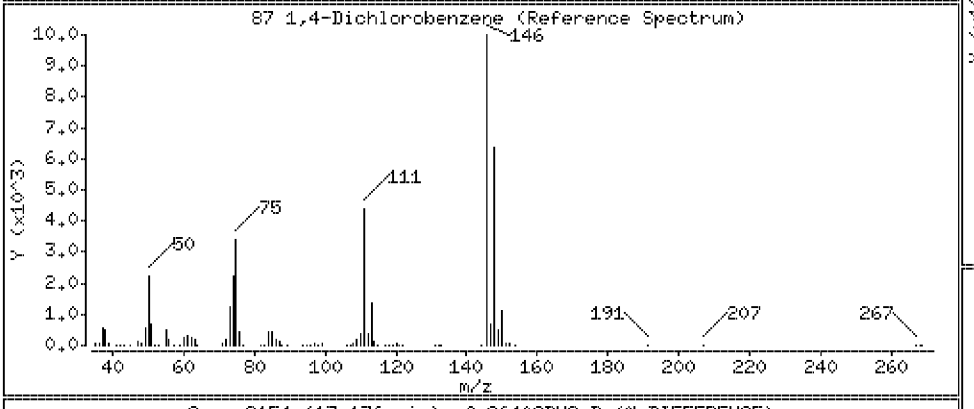
Purge Volume: 5.0 Operator:

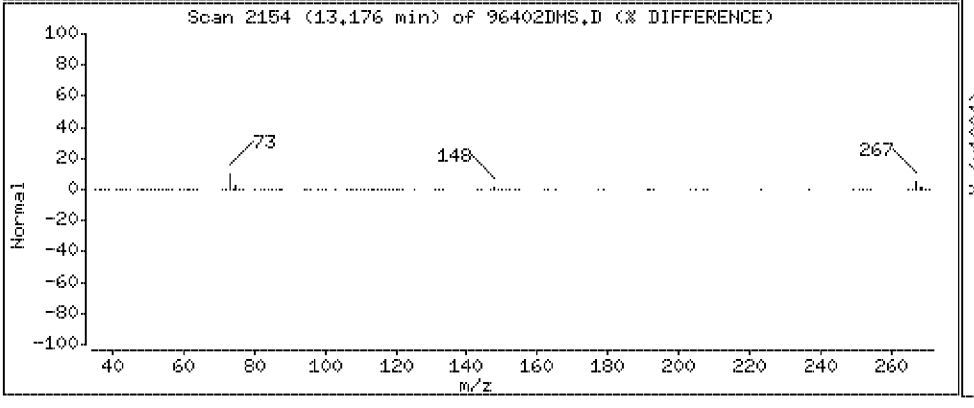
Column phase: DB-624 Column diameter: 0.18

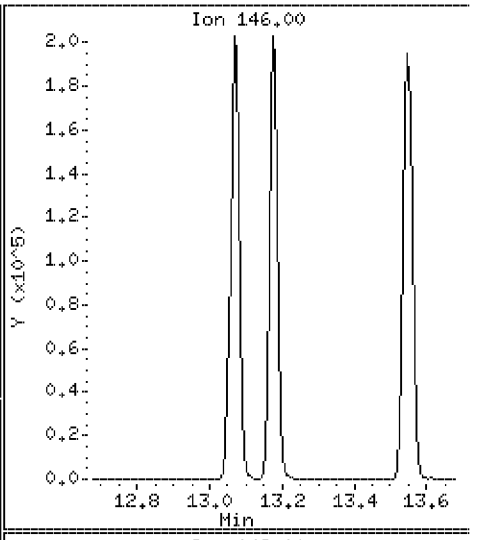
87 1,4-Dichlorobenzene Concentration: 101 ug/l

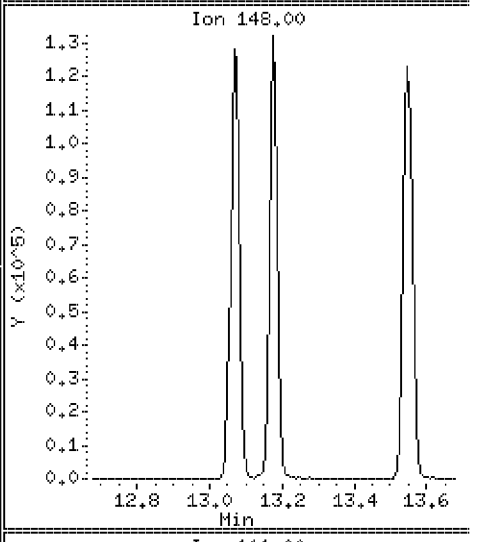


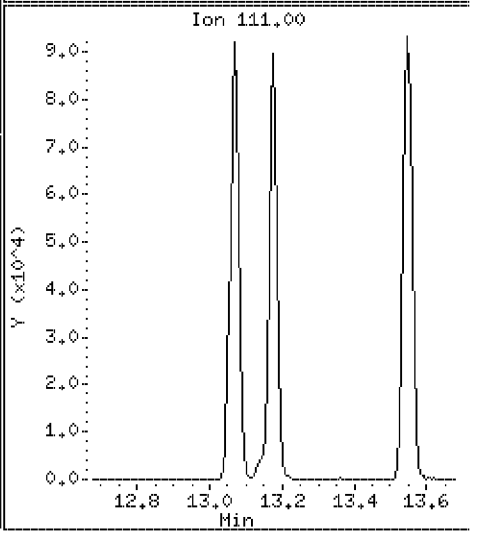












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

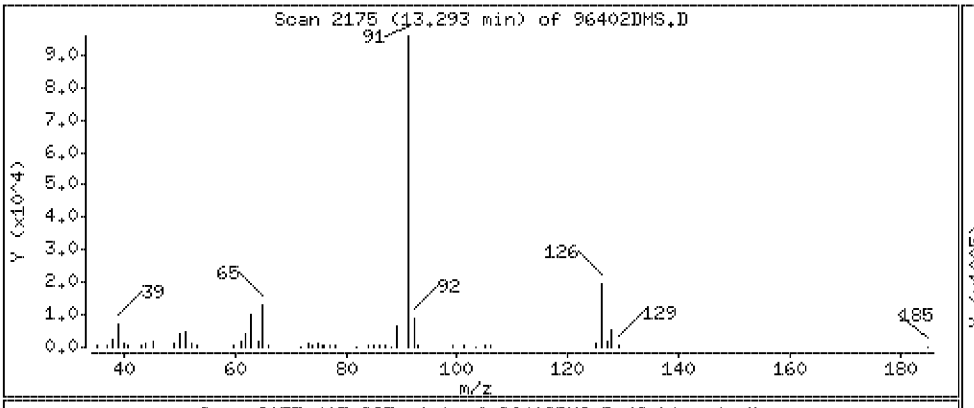
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

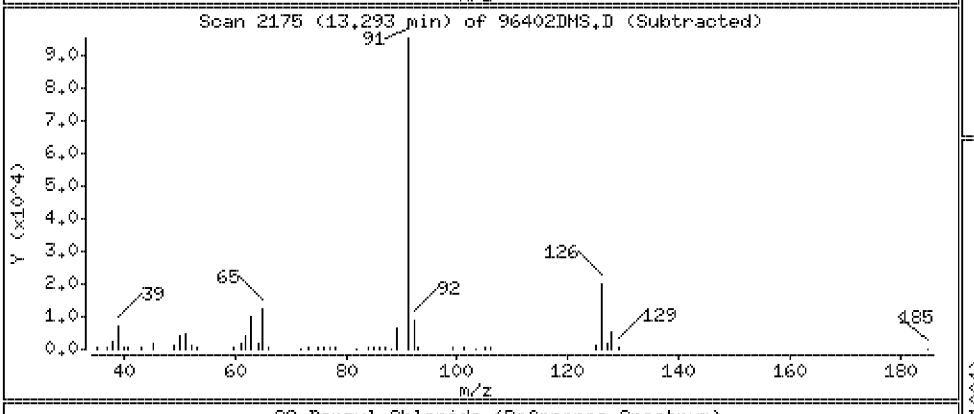
Sample Info: 250696402;2506964;5;

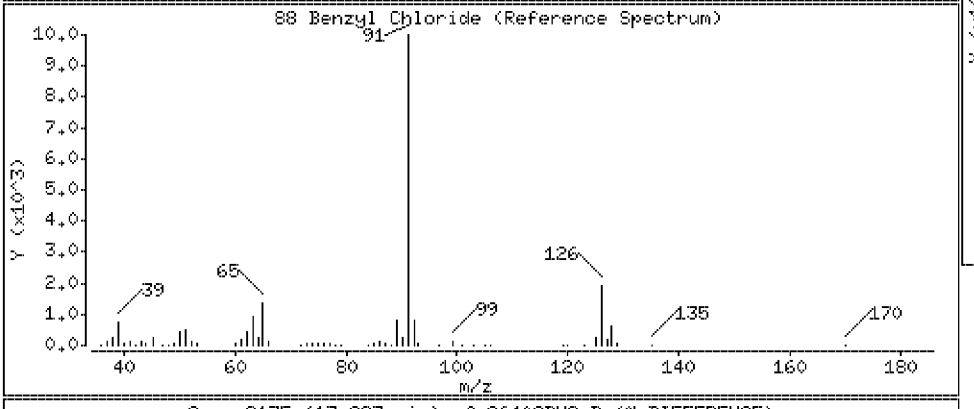
Purge Volume: 5.0 Operator:

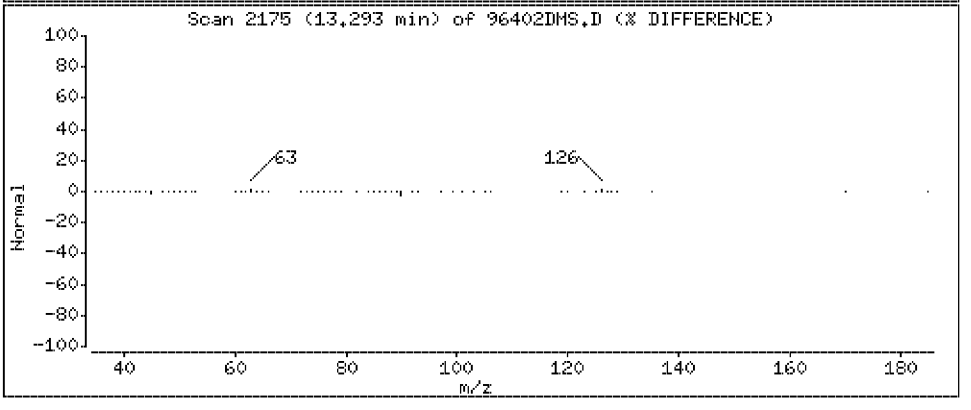
Column phase: DB-624 Column diameter: 0.18

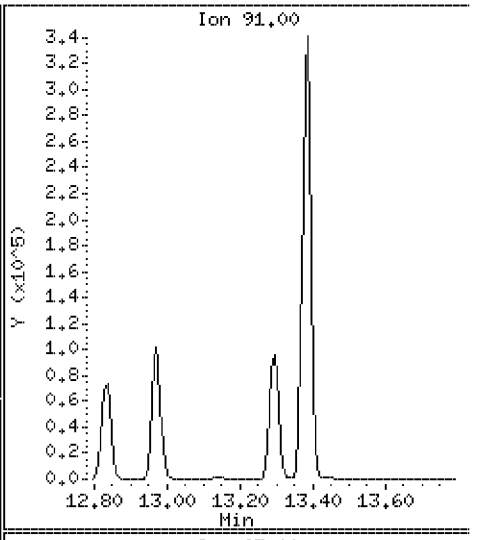
88 Benzyl Chloride Concentration: 90.7 ug/l

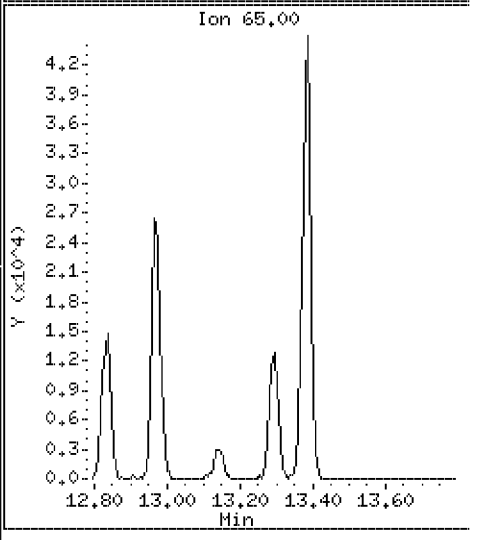












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

Client ID: TO0540AMSBLDL1

Instrument: vms03.i

Sample Info: 250696402;2506964;5;

Purge Volume: 5.0

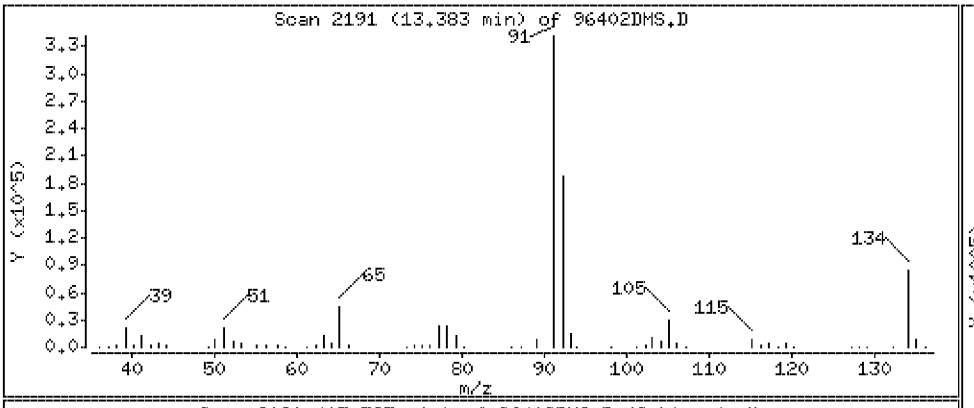
Operator:

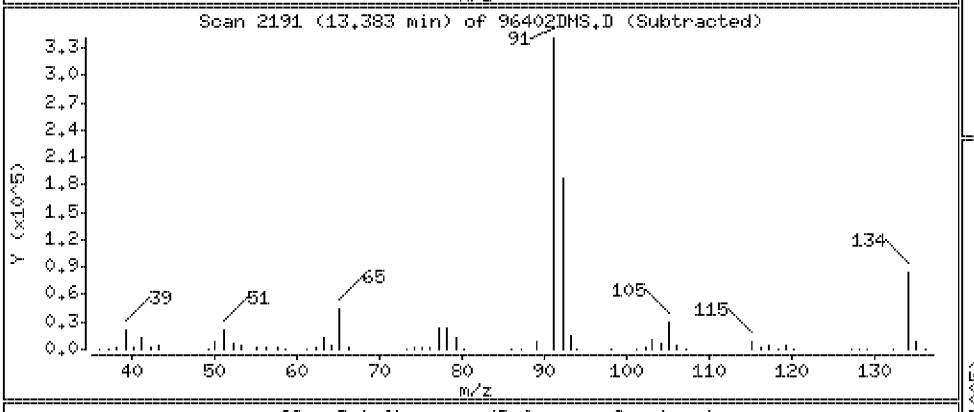
Column phase: DB-624

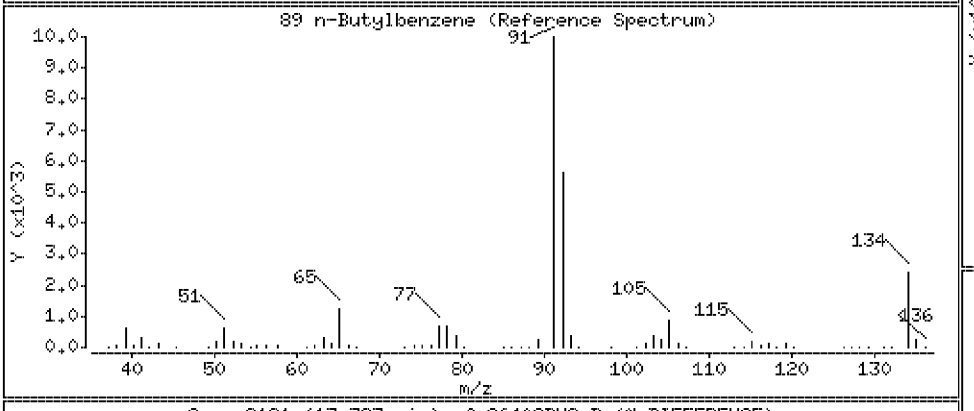
Column diameter: 0.18

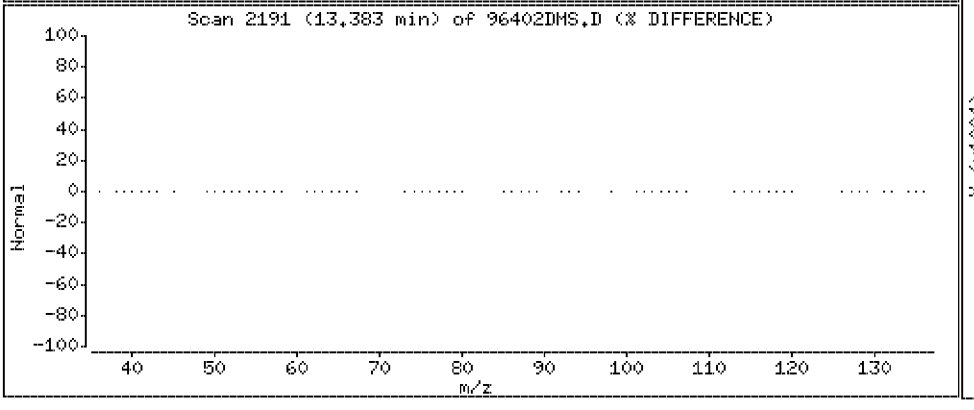
89 n-Butylbenzene

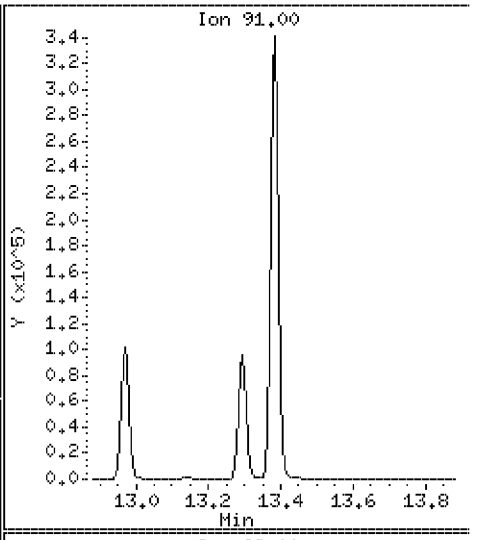
Concentration: 106 ug/l

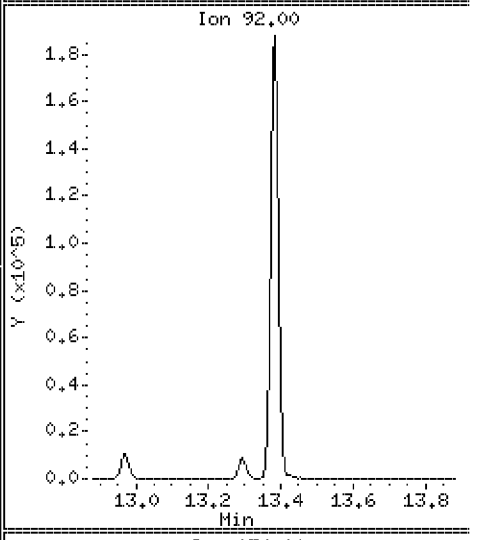


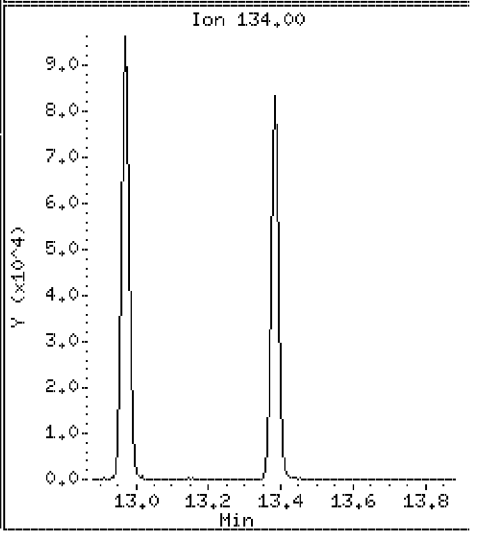












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

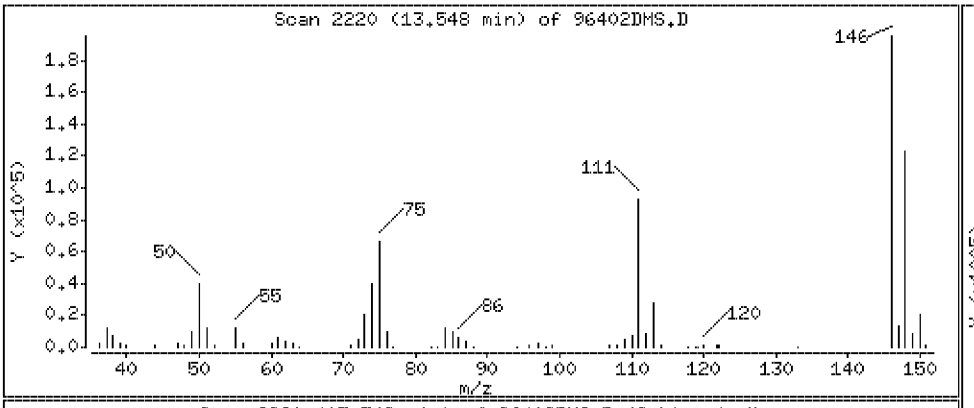
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

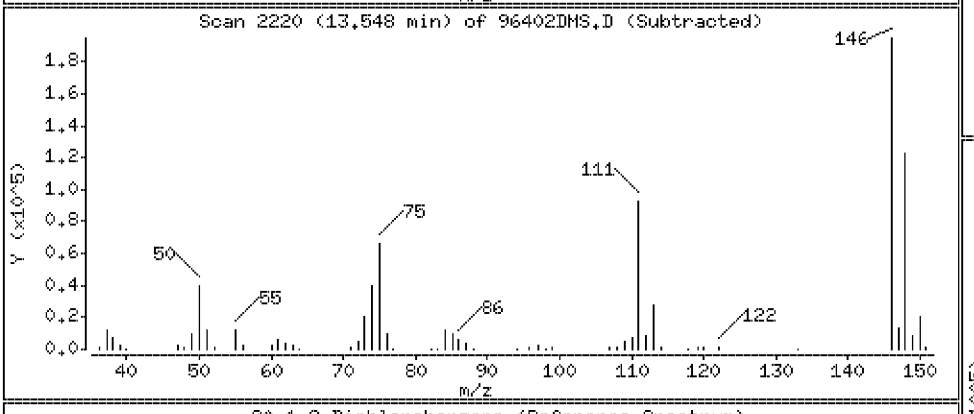
Sample Info: 250696402;2506964;5;

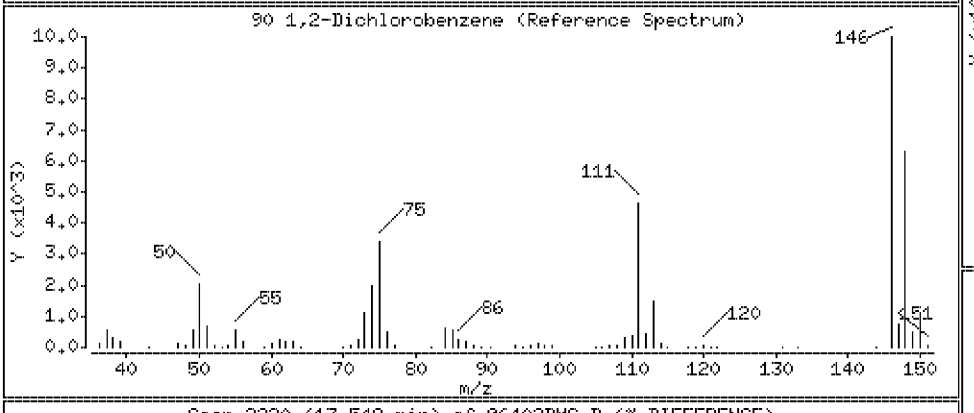
Purge Volume: 5.0 Operator:

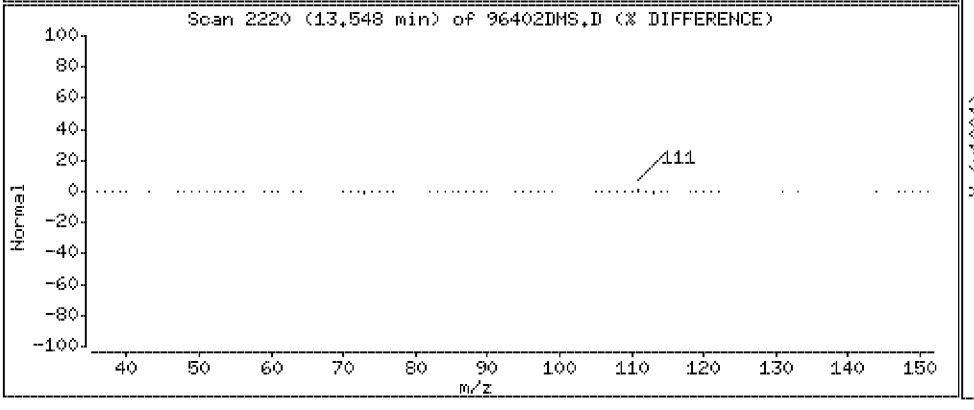
Column phase: DB-624 Column diameter: 0.18

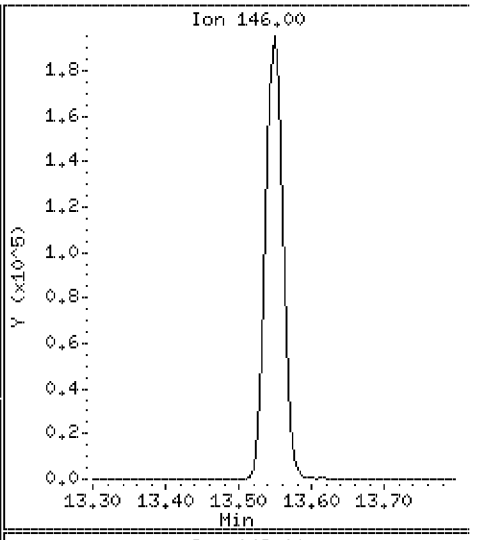
90 1,2-Dichlorobenzene Concentration: 104 ug/l

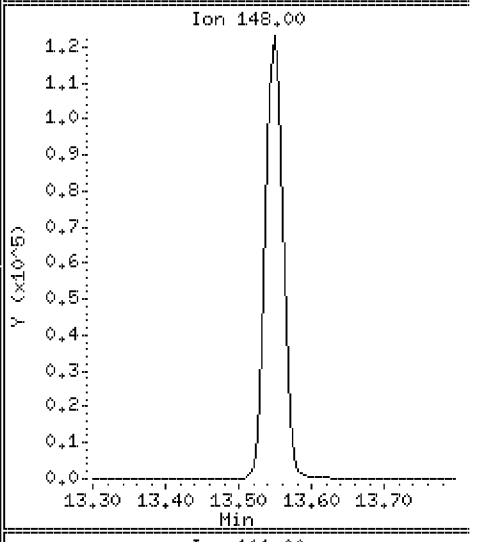


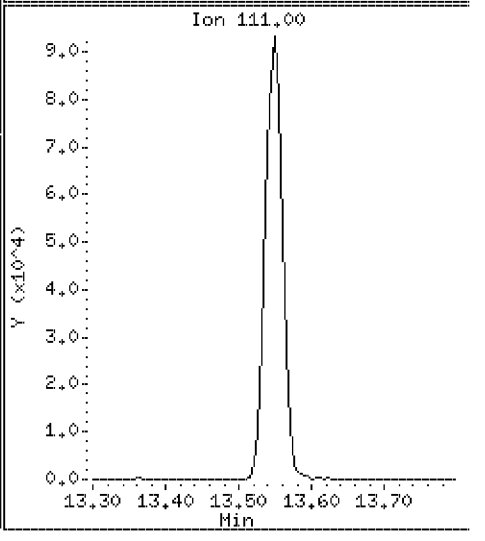












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

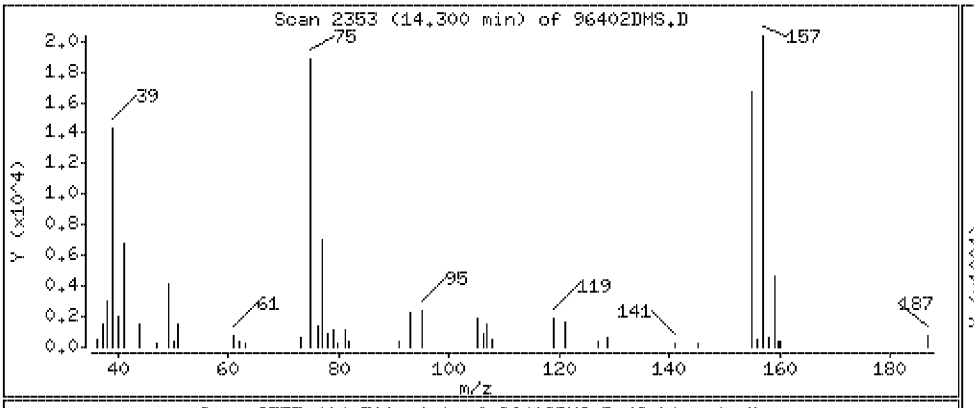
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

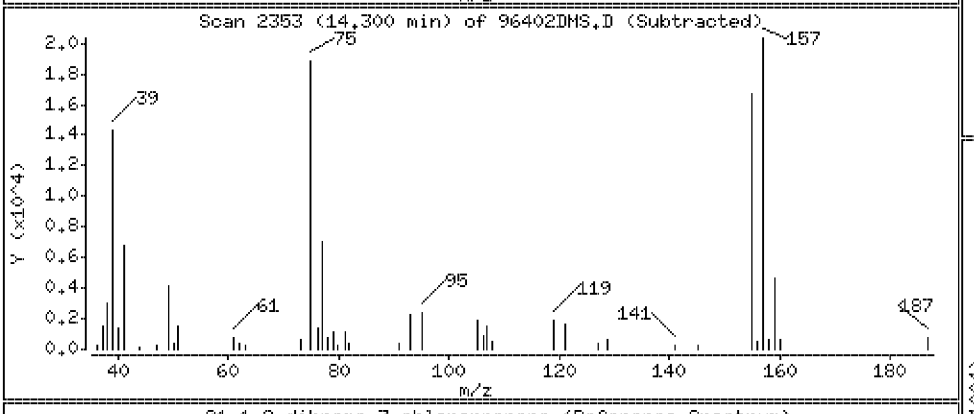
Sample Info: 250696402;2506964;5;

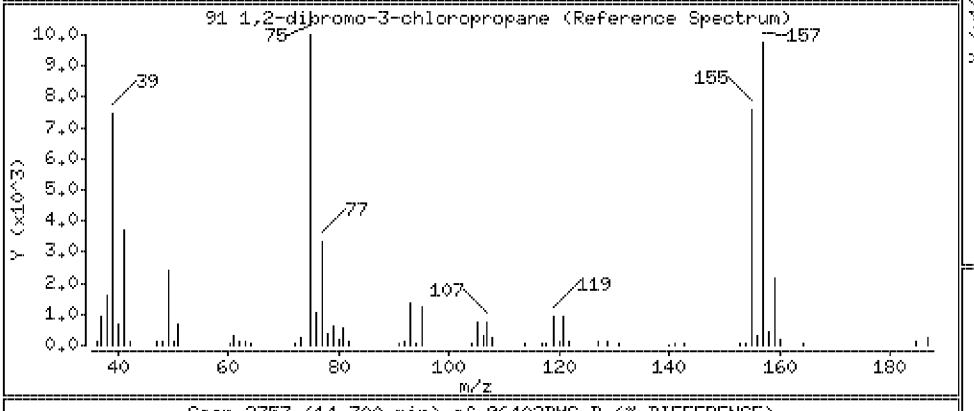
Purge Volume: 5.0 Operator:

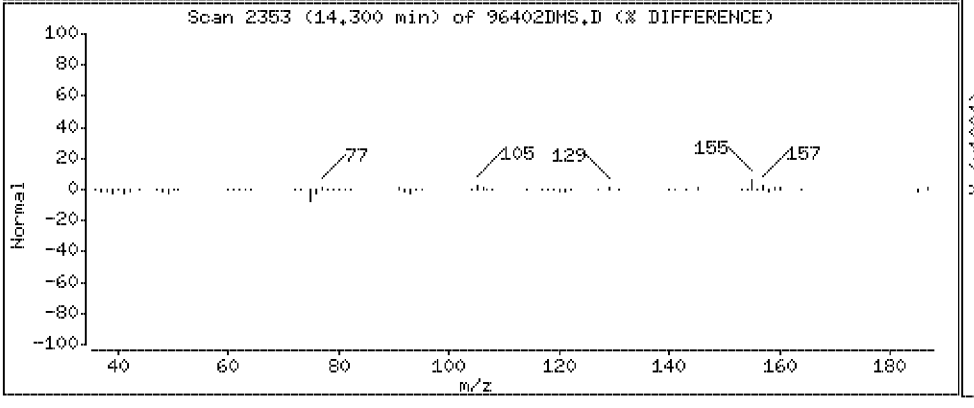
Column phase: DB-624 Column diameter: 0.18

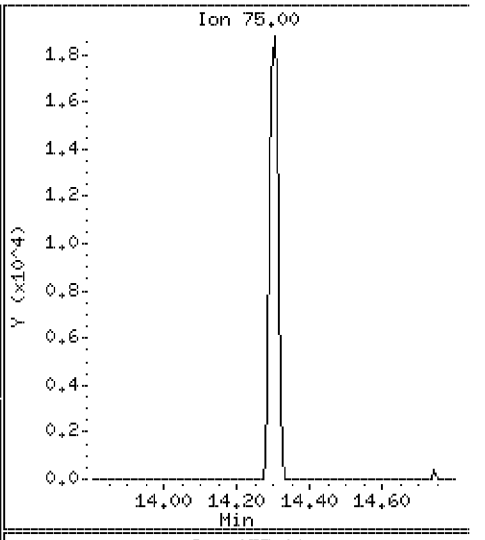
91 1,2-dibromo-3-chloropropane Concentration: 97.3 ug/l

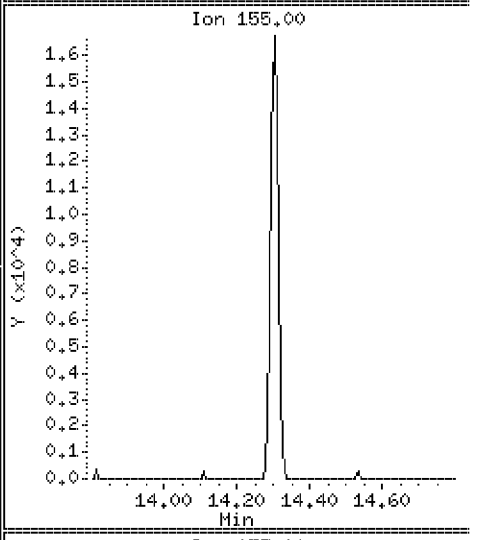


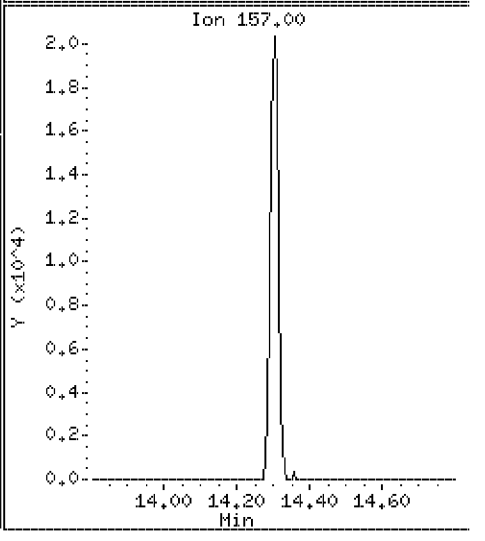












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

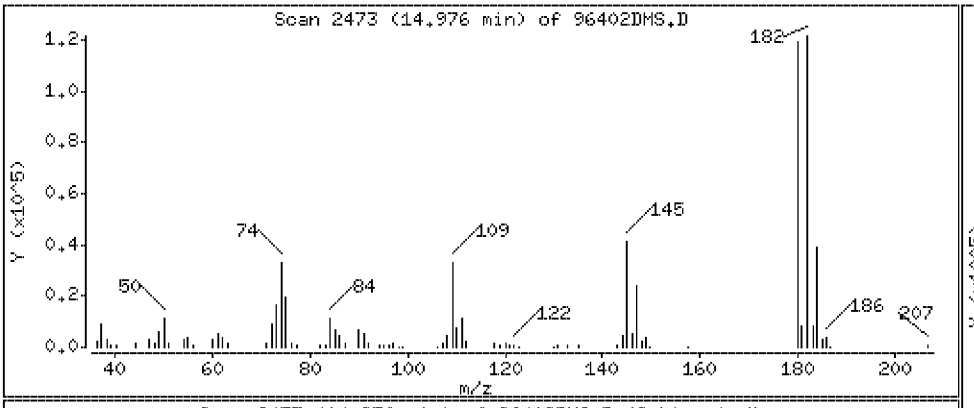
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

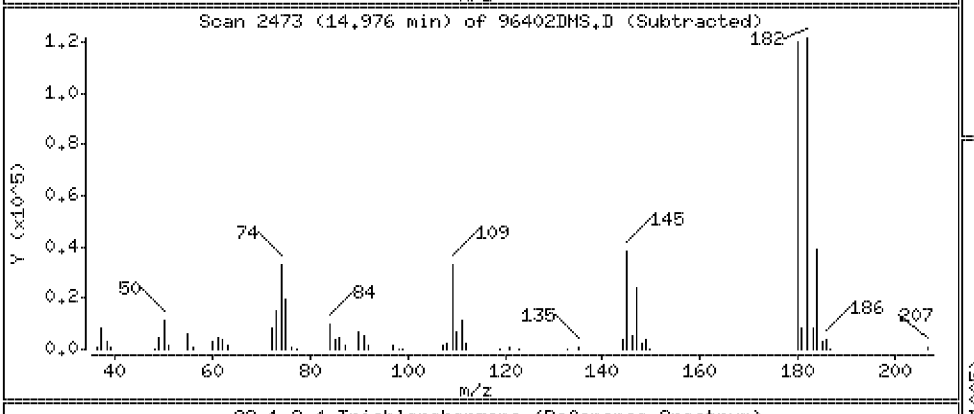
Sample Info: 250696402;2506964;5;

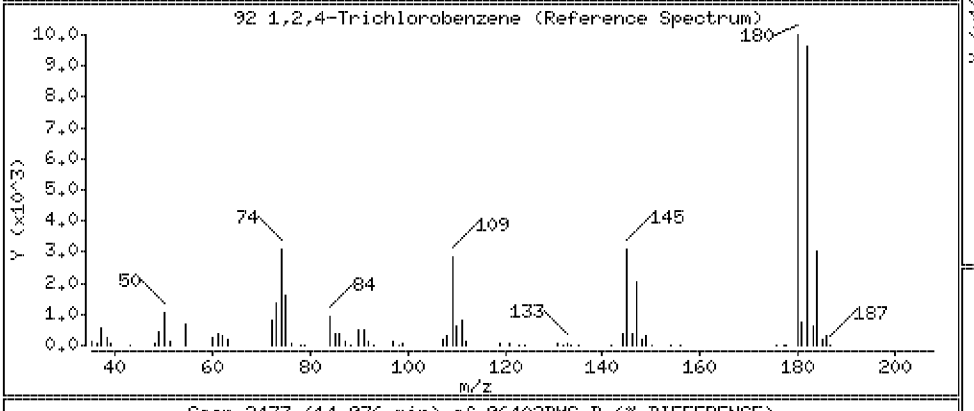
Purge Volume: 5.0 Operator:

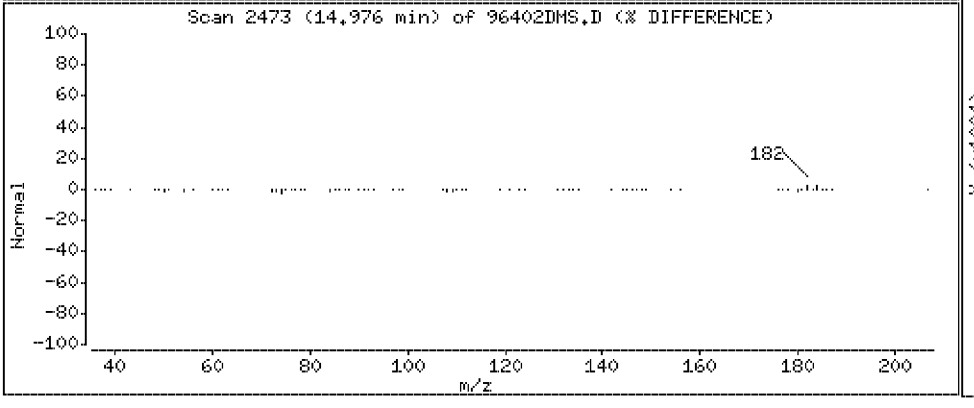
Column phase: DB-624 Column diameter: 0.18

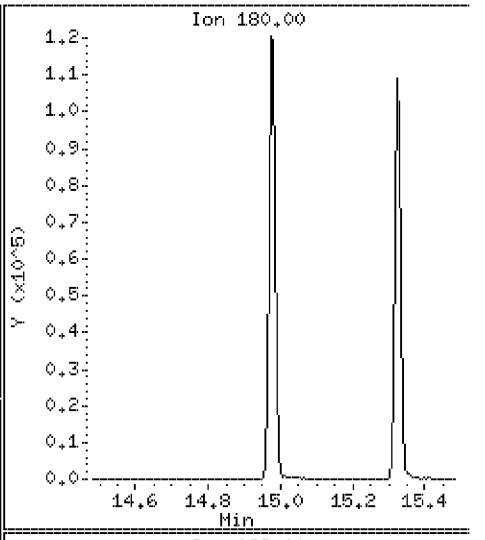
92 1,2,4-Trichlorobenzene Concentration: 99.0 ug/l

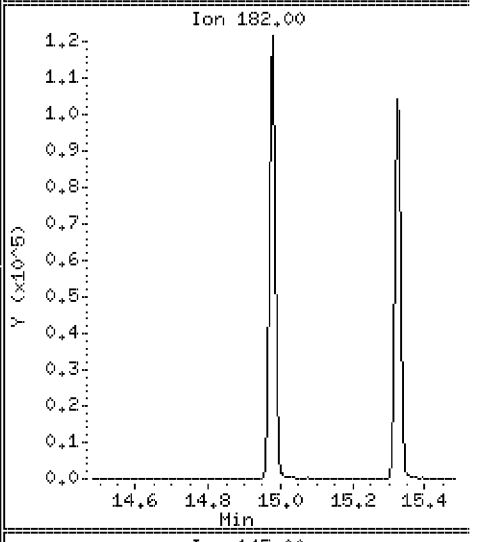


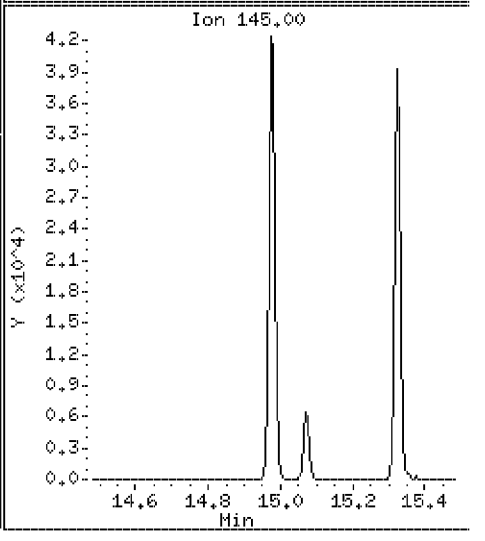












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

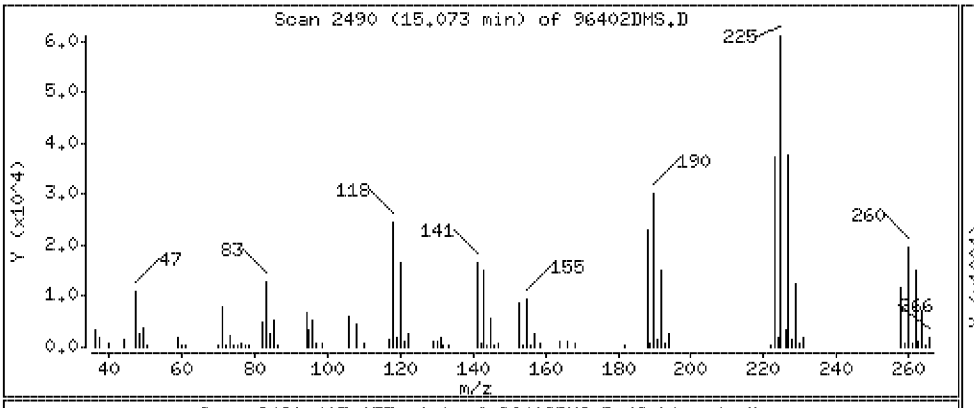
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

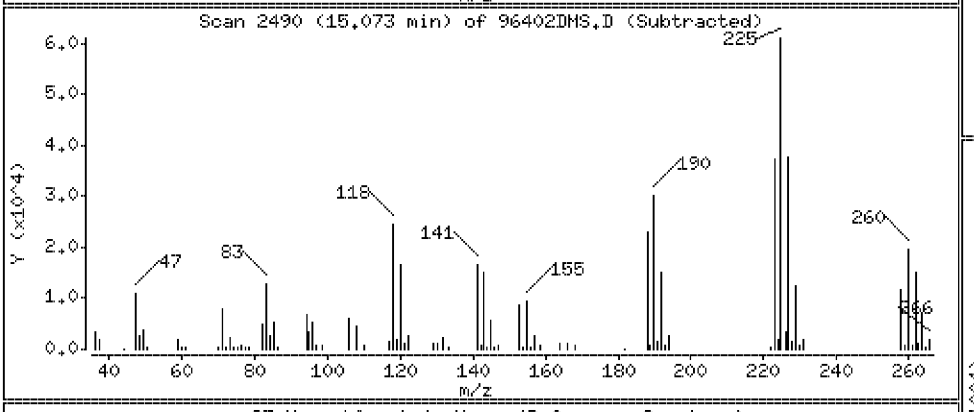
Sample Info: 250696402;2506964;5;

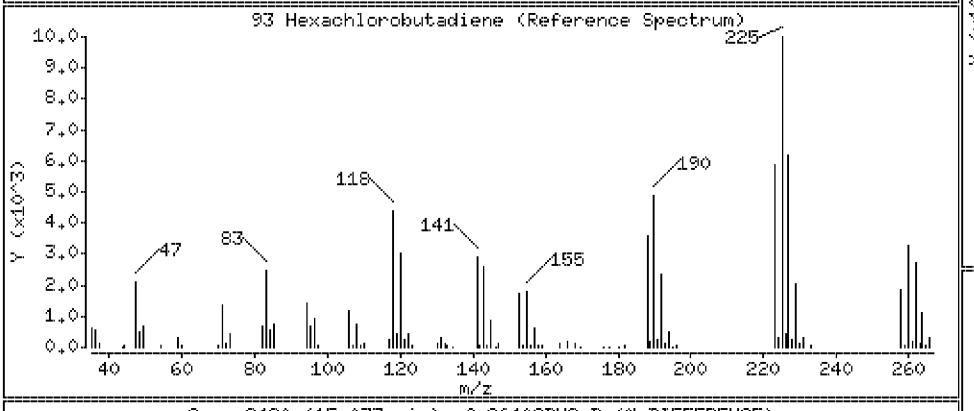
Purge Volume: 5.0 Operator:

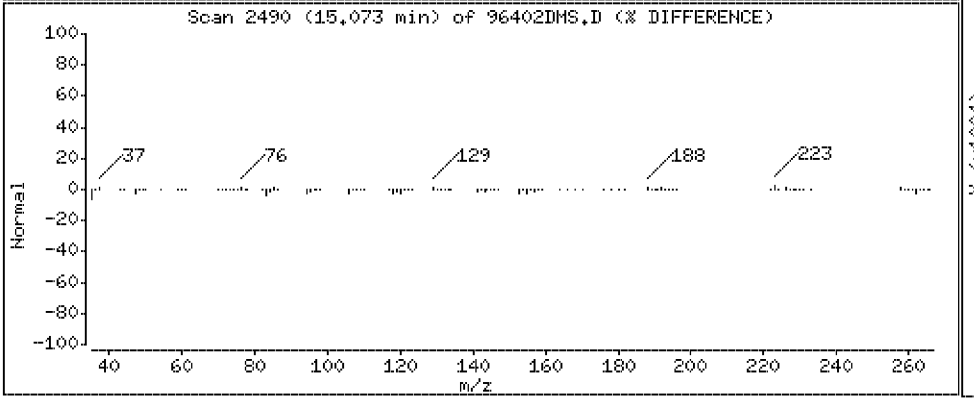
Column phase: DB-624 Column diameter: 0.18

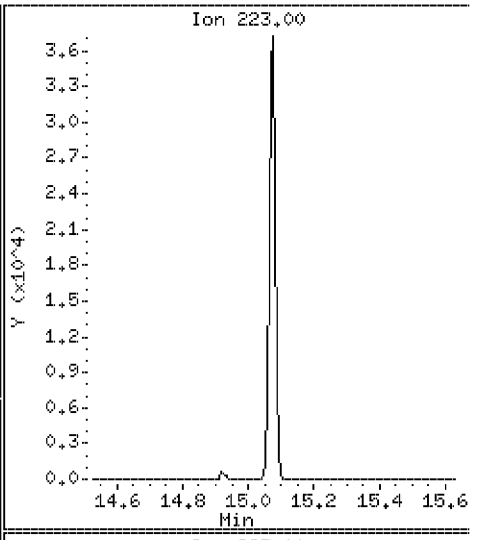
93 Hexachlorobutadiene Concentration: 104 ug/l

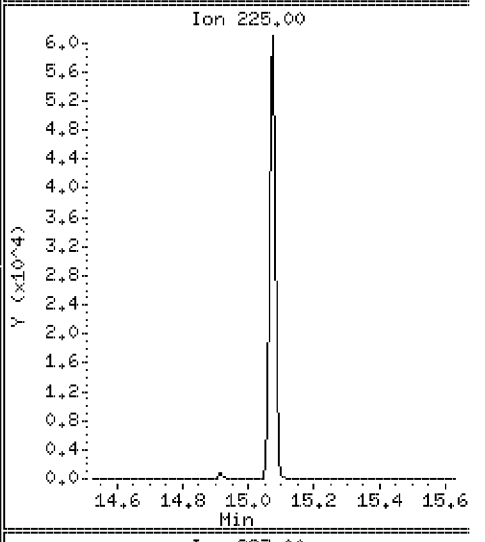


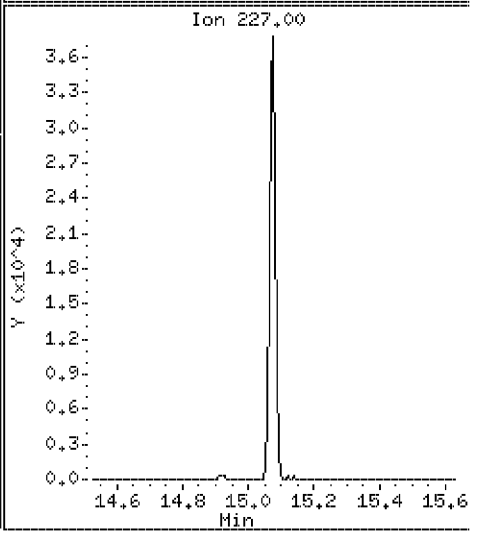












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

Client ID: TO0540AMSBLDL1

Instrument: vms03.i

Sample Info: 250696402;2506964;5;

Purge Volume: 5.0

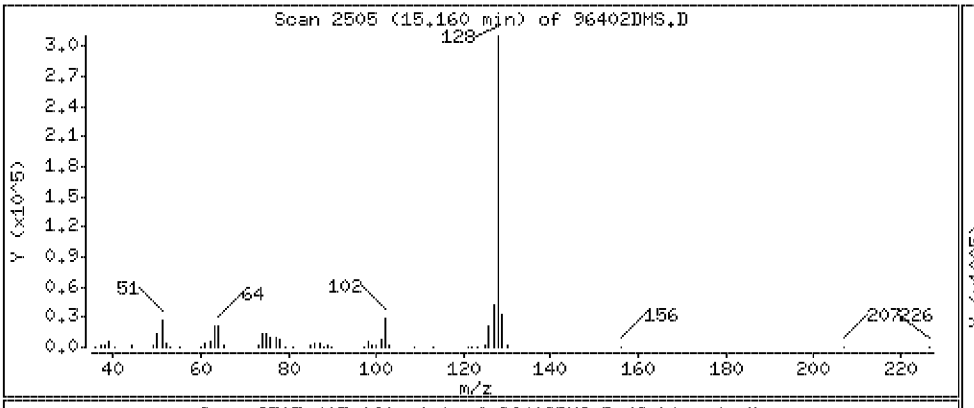
Operator:

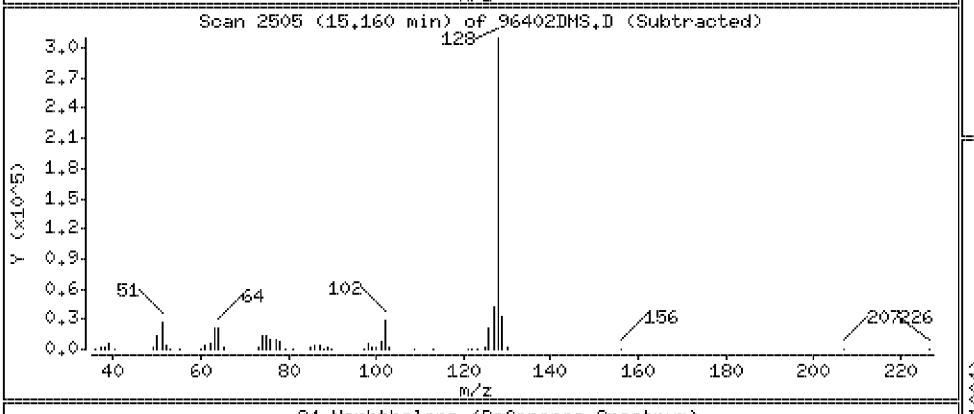
Column phase: DB-624

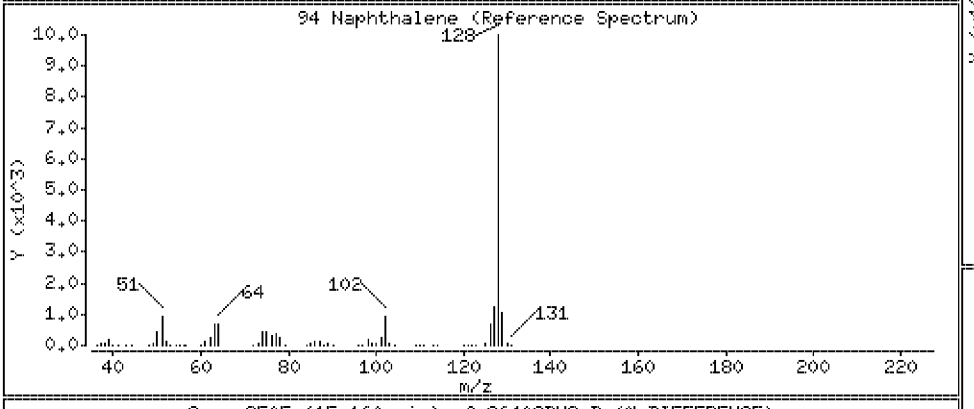
Column diameter: 0.18

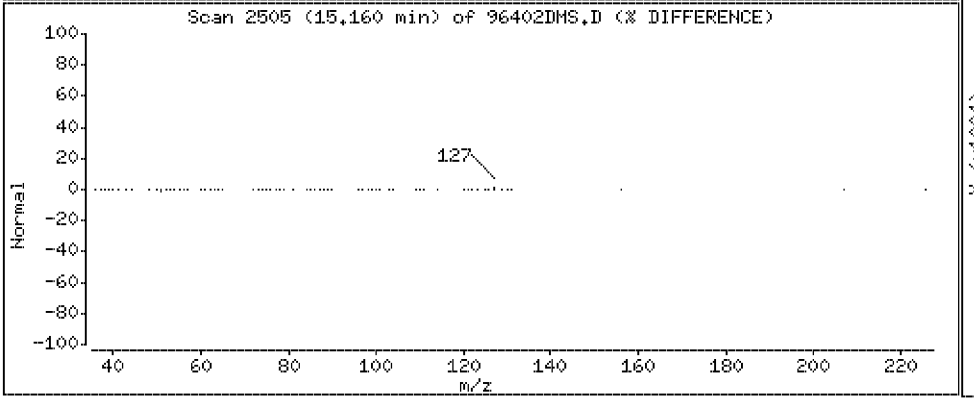
94 Naphthalene

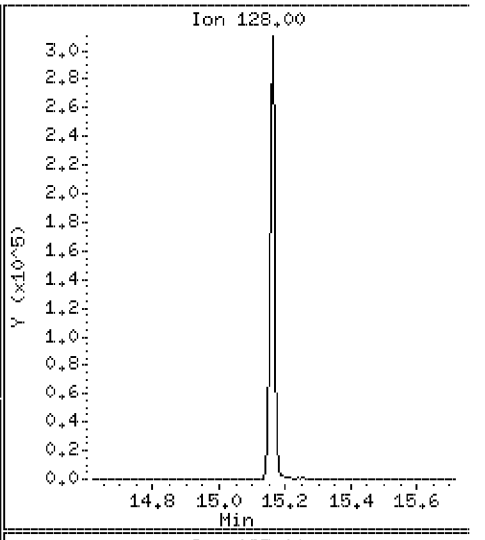
Concentration: 100 ug/l

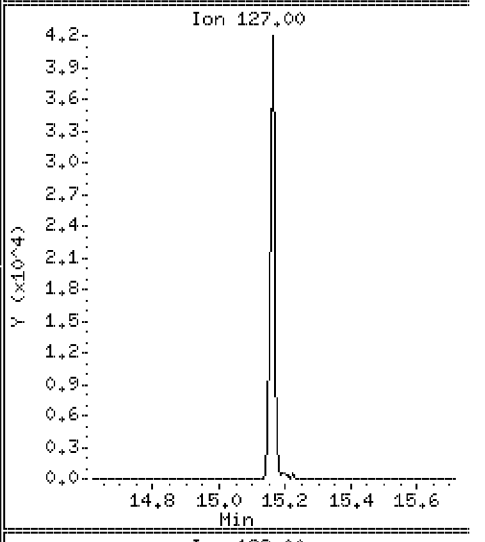


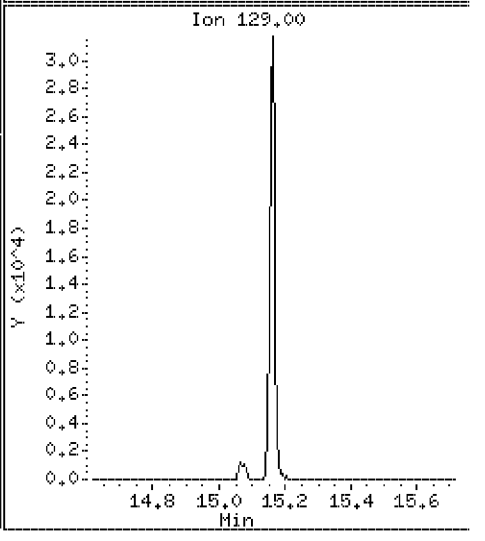












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

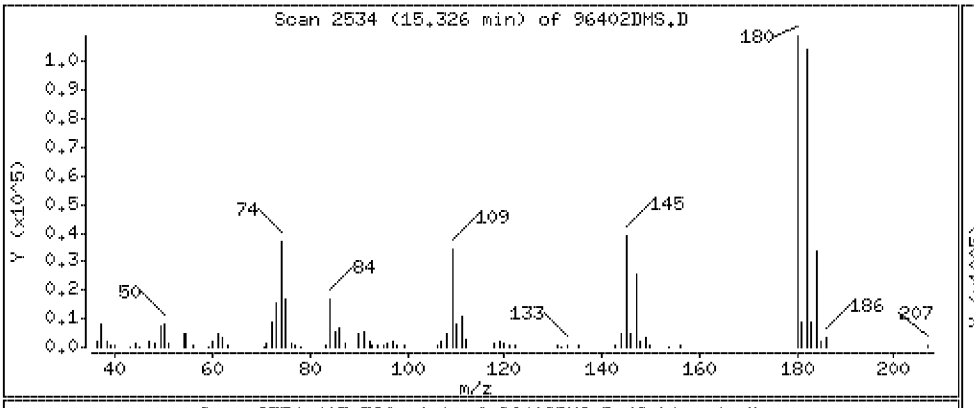
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

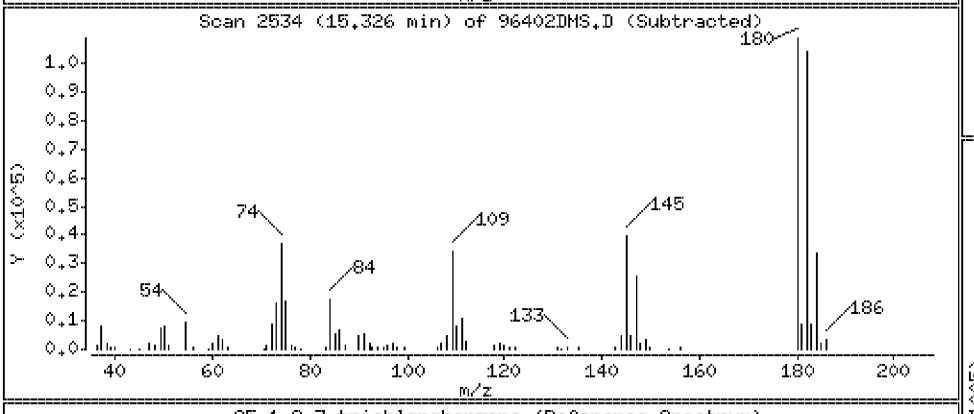
Sample Info: 250696402;2506964;5;

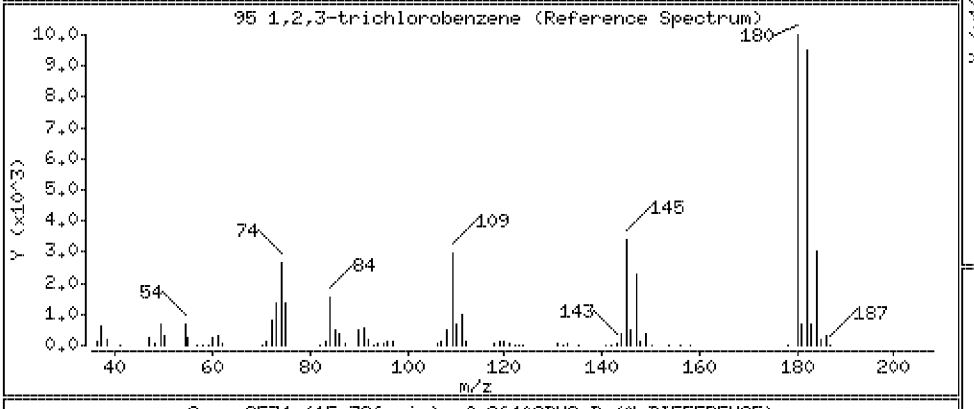
Purge Volume: 5.0 Operator:

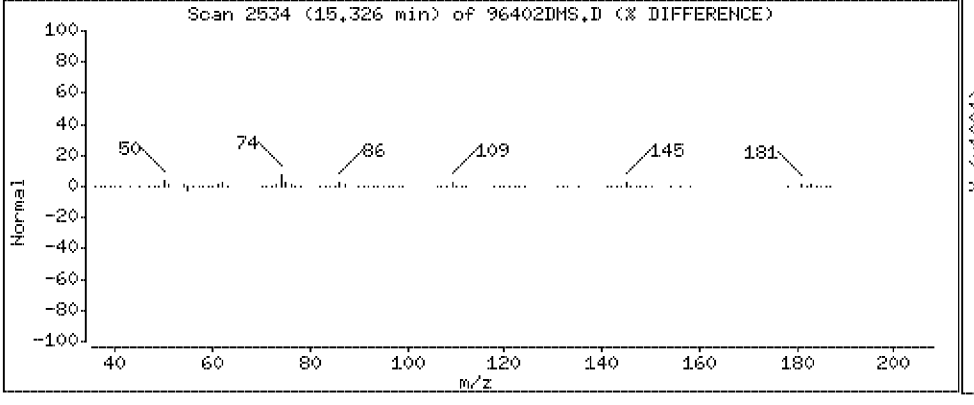
Column phase: DB-624 Column diameter: 0.18

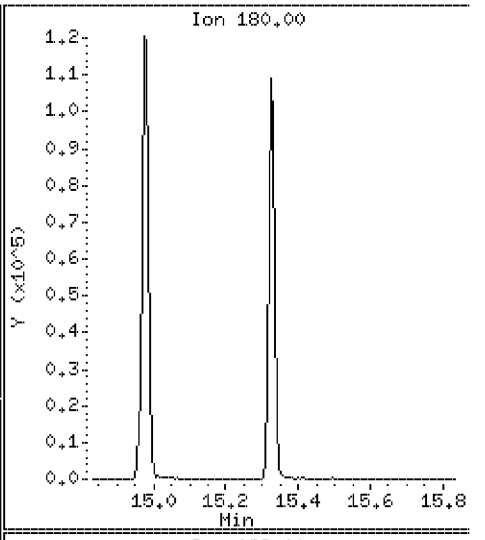
95 1,2,3-trichlorobenzene Concentration: 94.9 ug/l

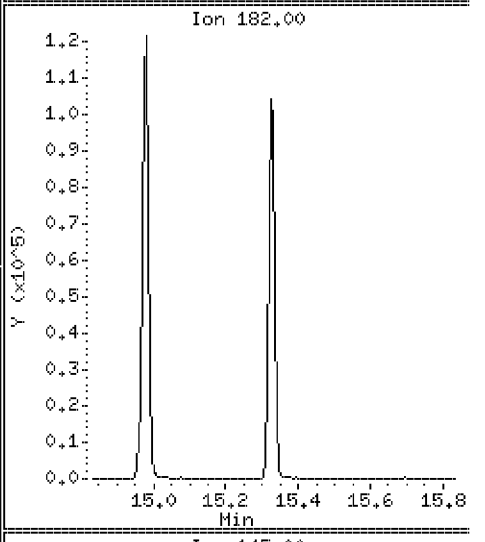


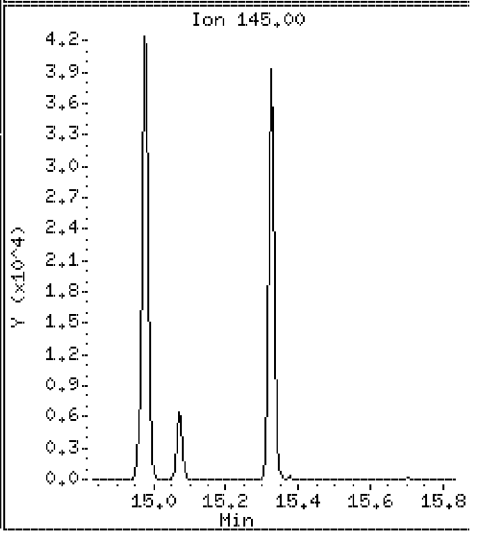












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

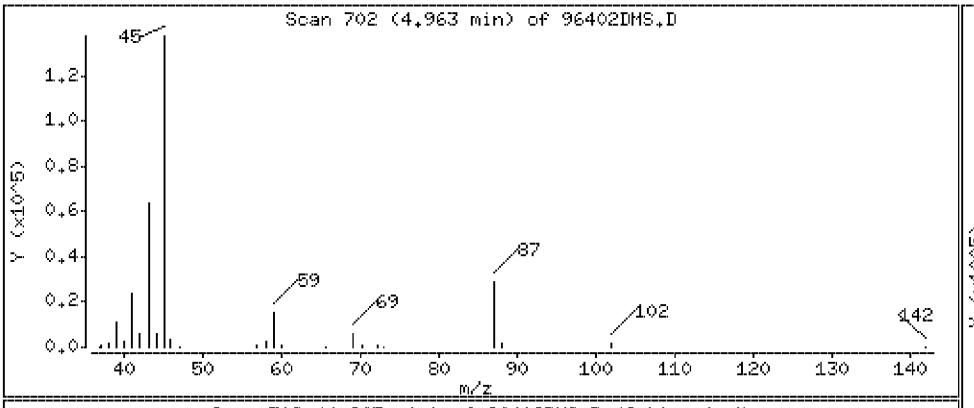
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

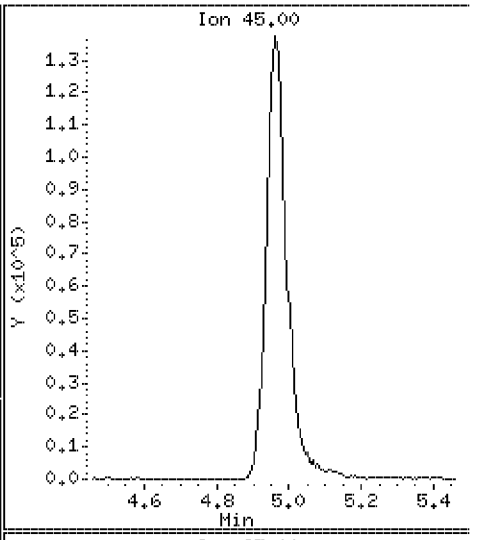
Sample Info: 250696402;2506964;5;

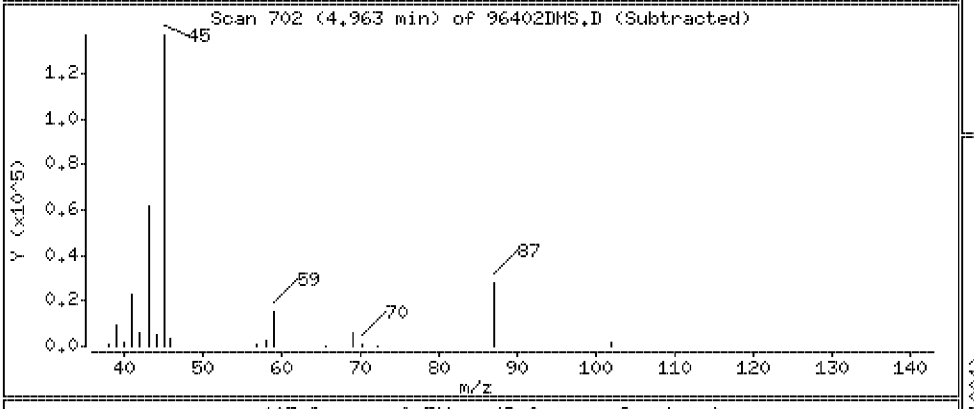
Purge Volume: 5.0 Operator:

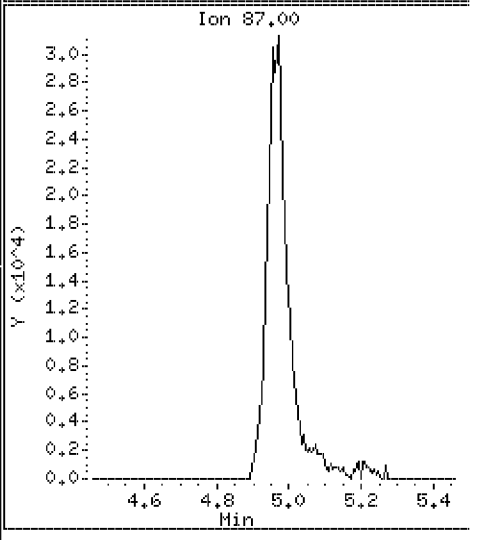
Column phase: DB-624 Column diameter: 0.18

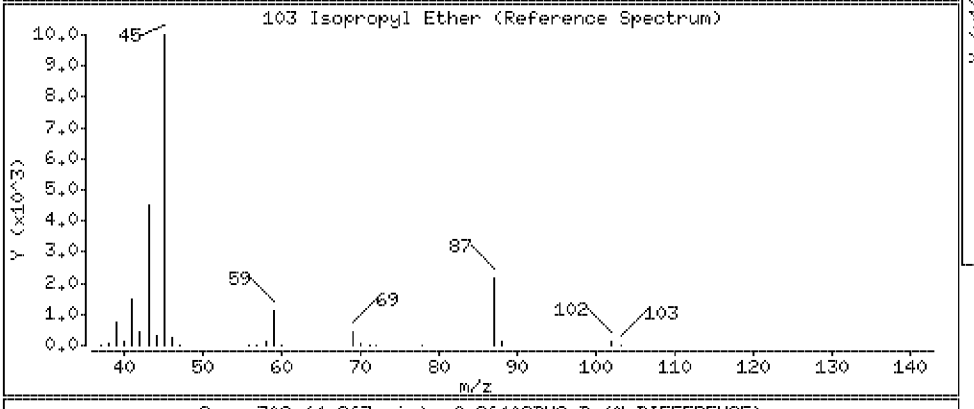
103 Isopropyl Ether Concentration: 101 ug/l

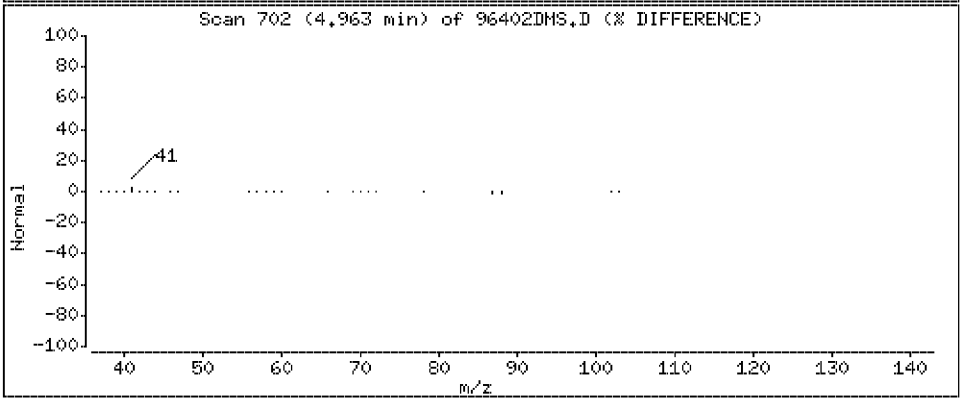












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96402DMS.D

Date : 15-JUN-2007 11:05

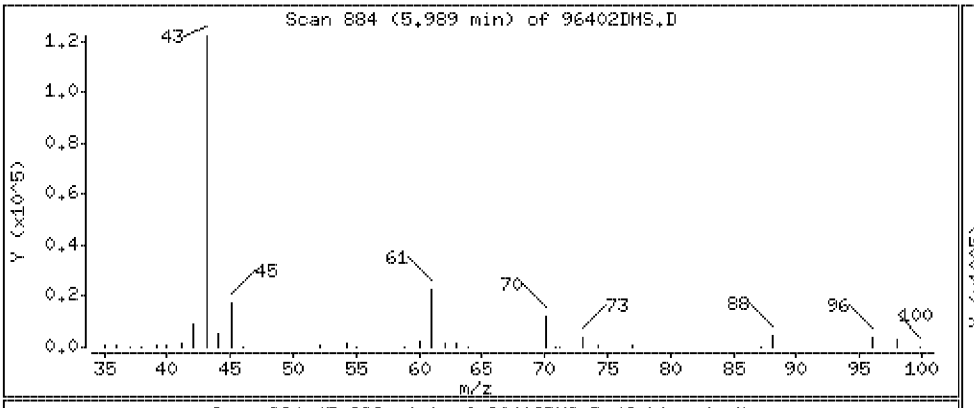
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

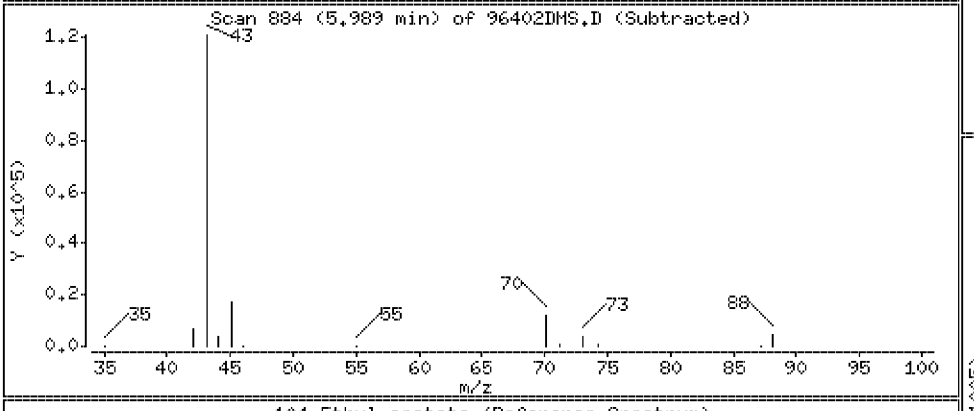
Sample Info: 250696402;2506964;5;

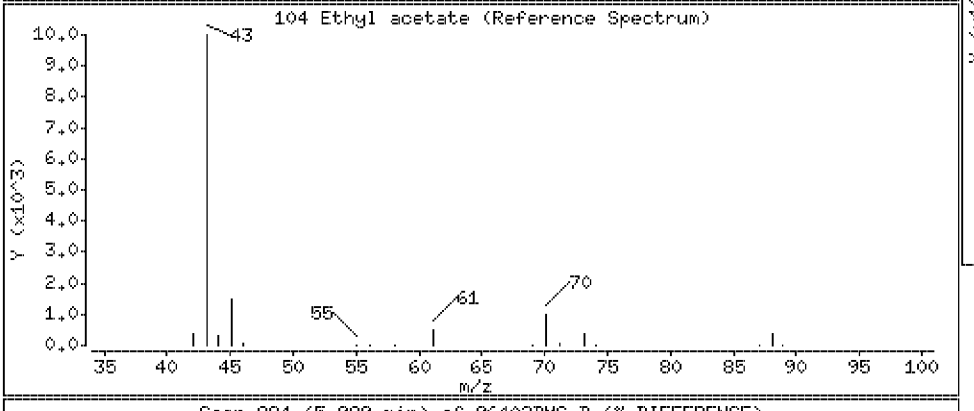
Purge Volume: 5.0 Operator:

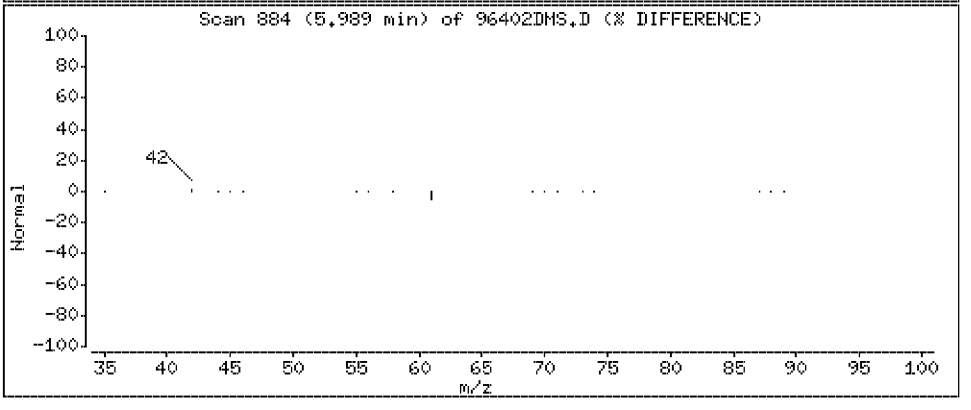
Column phase: DB-624 Column diameter: 0.18

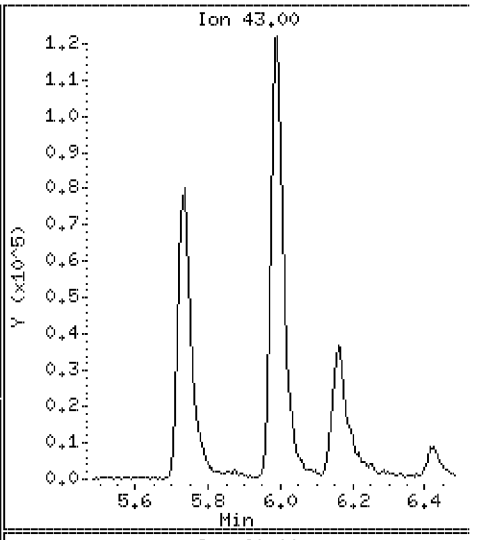
104 Ethyl acetate Concentration: 207 ug/l

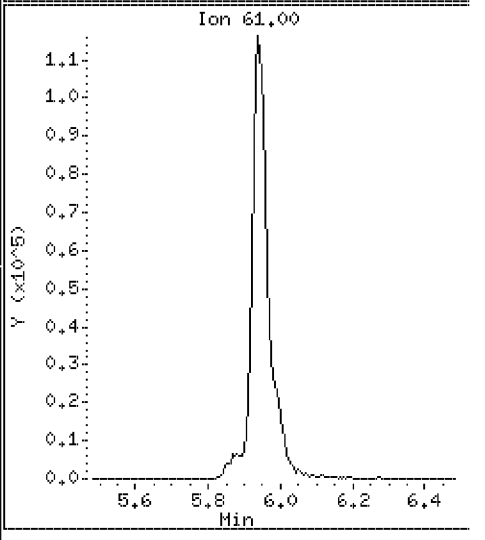












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Date : 15-JUN-2007 11:05

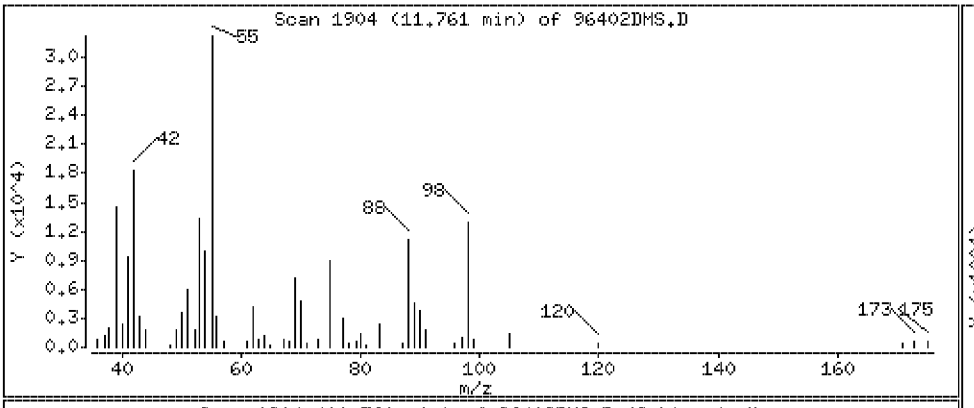
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

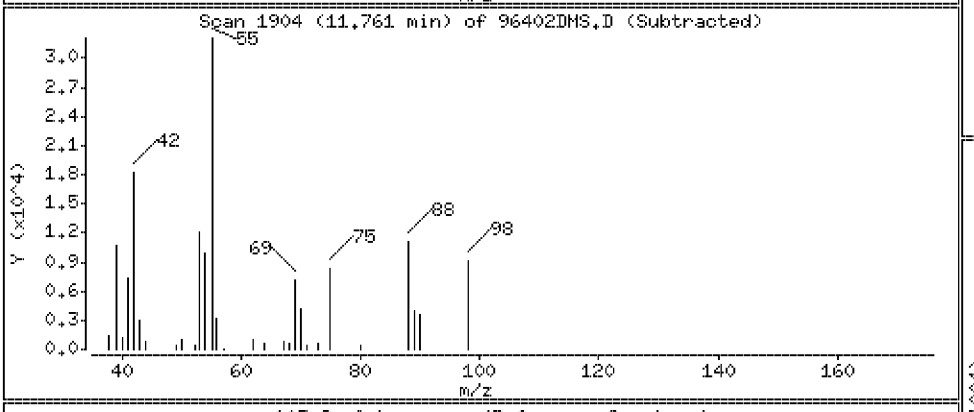
Sample Info: 250696402;2506964;5;

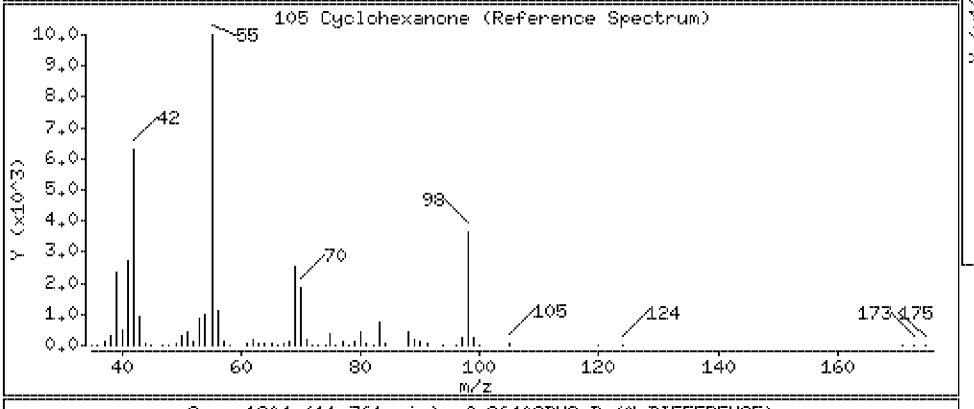
Purge Volume: 5.0 Operator:

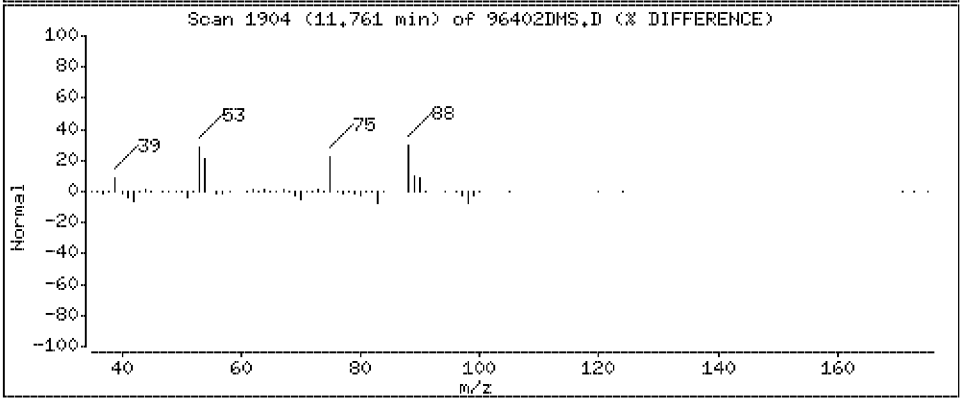
Column phase: DB-624 Column diameter: 0.18

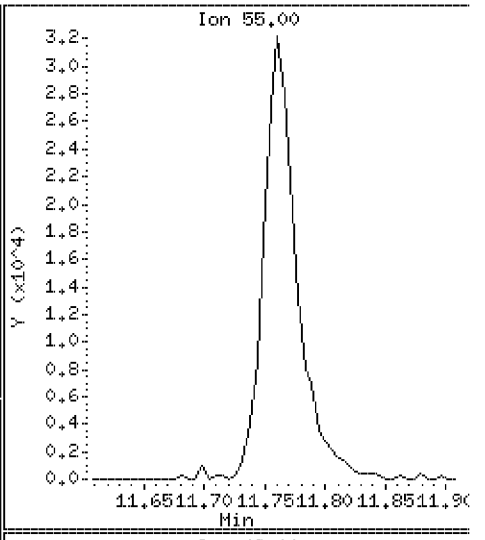
105 Cyclohexanone Concentration: 359 ug/l

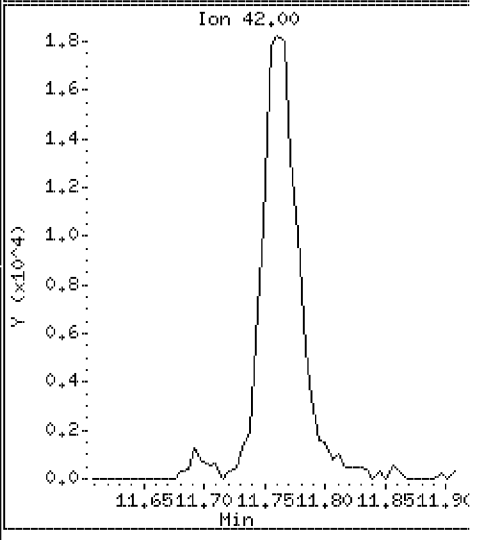












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Date : 15-JUN-2007 11:05

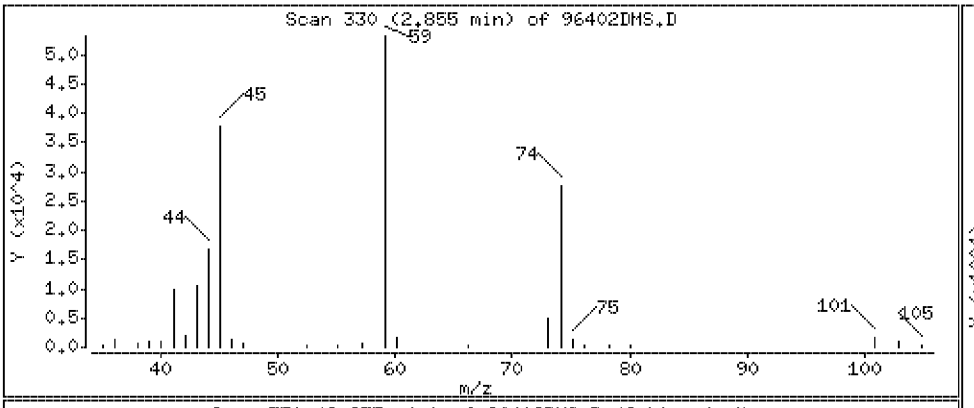
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

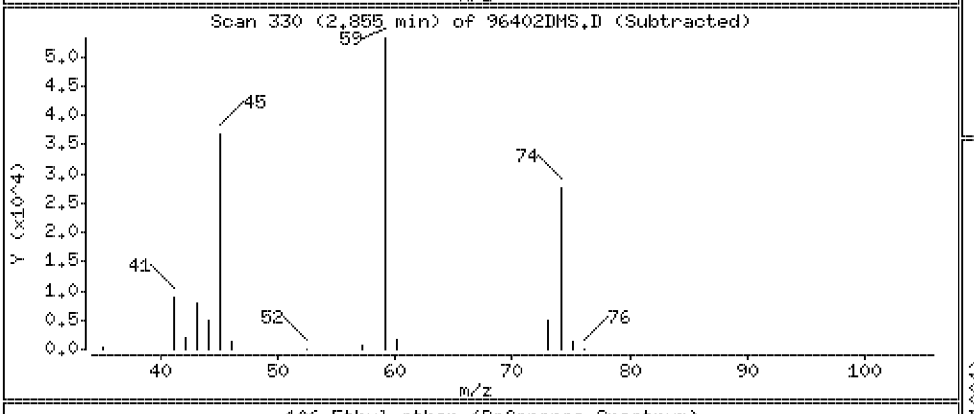
Sample Info: 250696402;2506964;5;

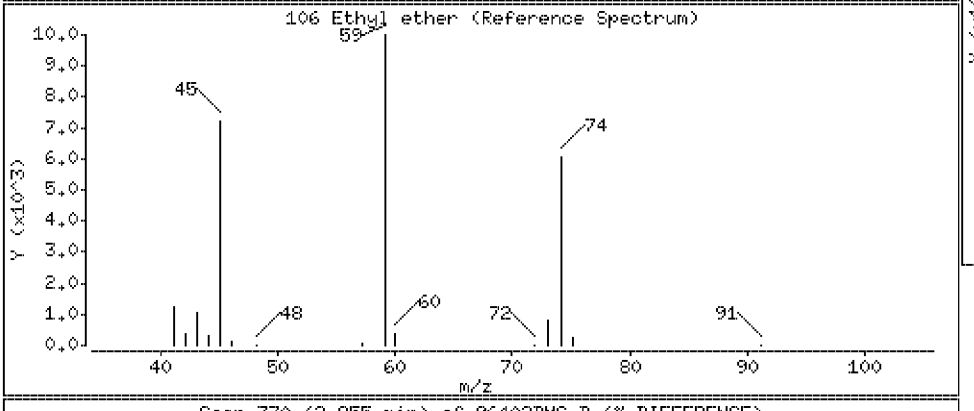
Purge Volume: 5.0 Operator:

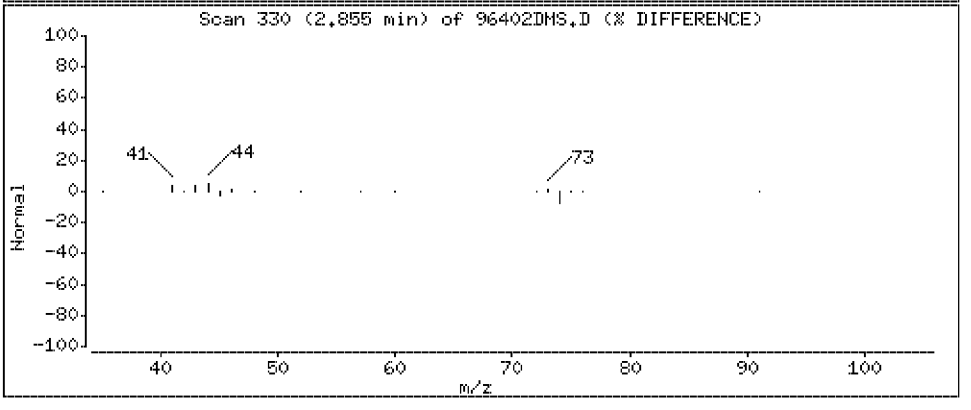
Column phase: DB-624 Column diameter: 0.18

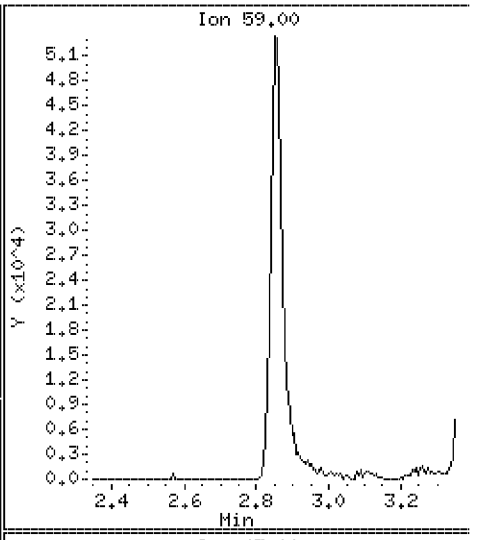
106 Ethyl ether Concentration: 102 ug/l

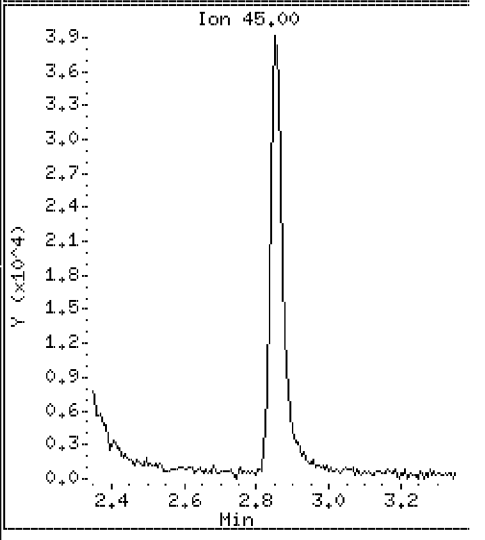












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Date : 15-JUN-2007 11:05

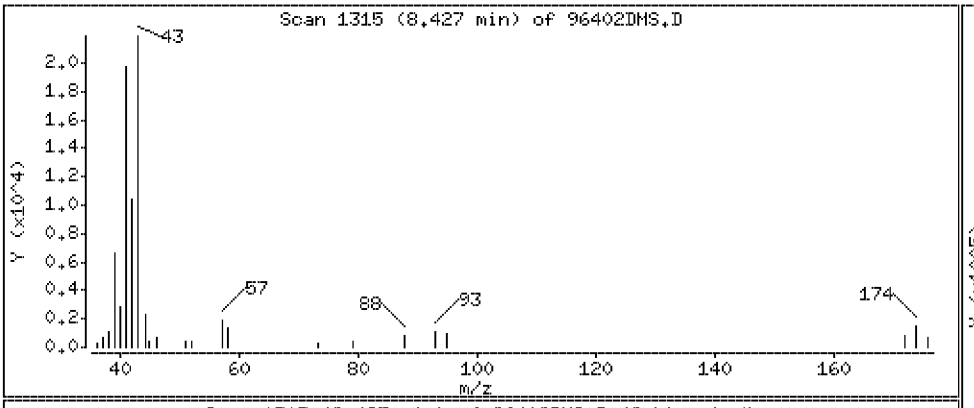
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

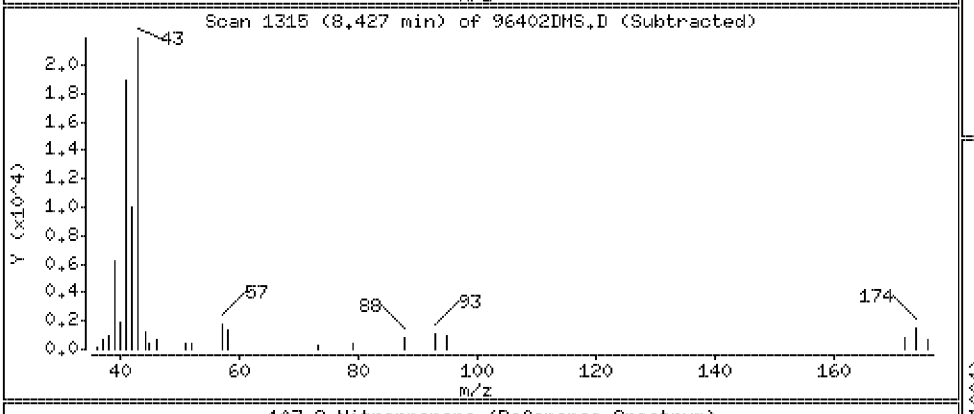
Sample Info: 250696402;2506964;5;

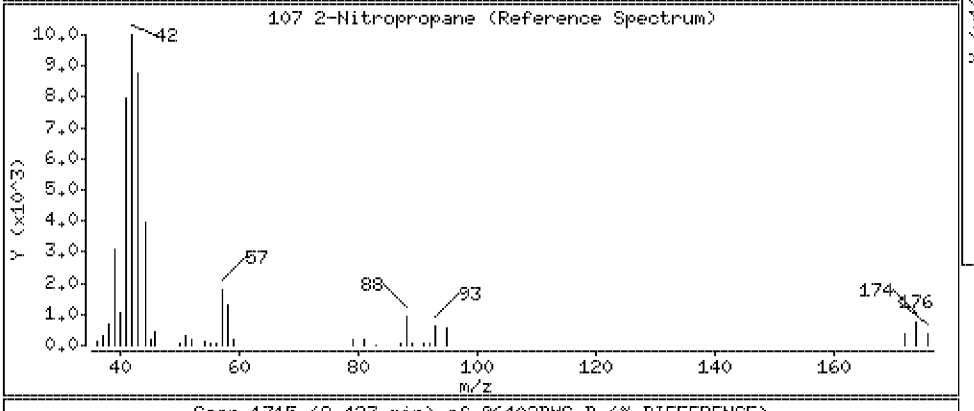
Purge Volume: 5.0 Operator:

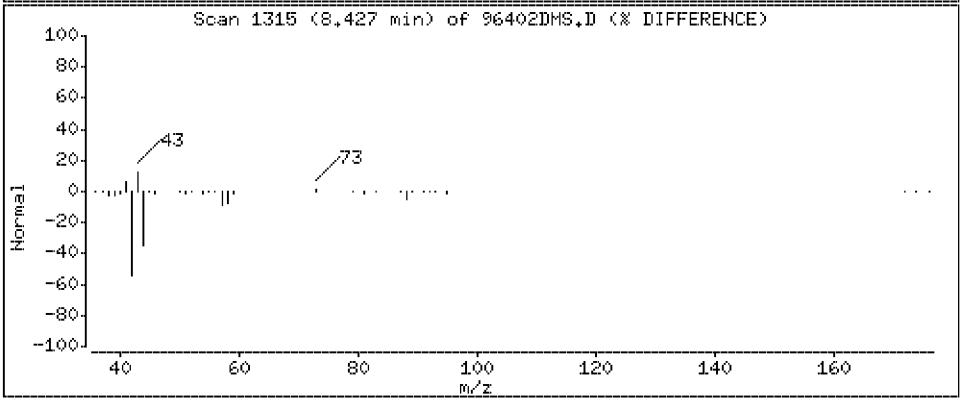
Column phase: DB-624 Column diameter: 0.18

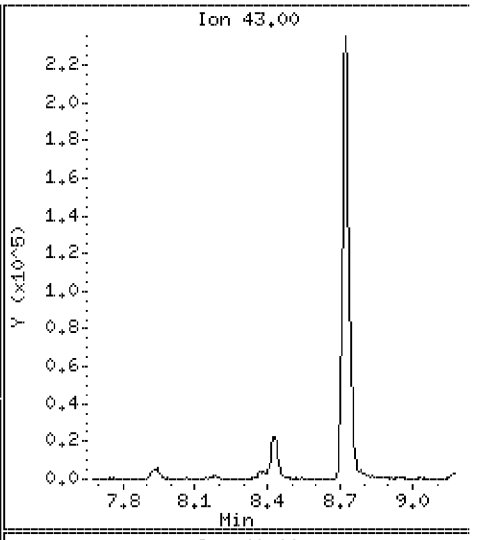
107 2-Nitropropane Concentration: 174 ug/l

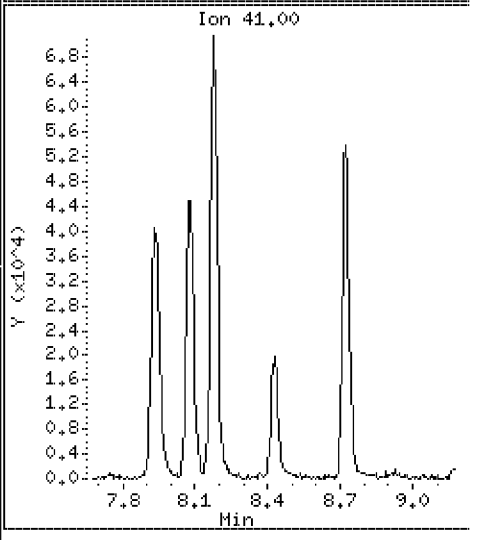












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Date : 15-JUN-2007 11:05

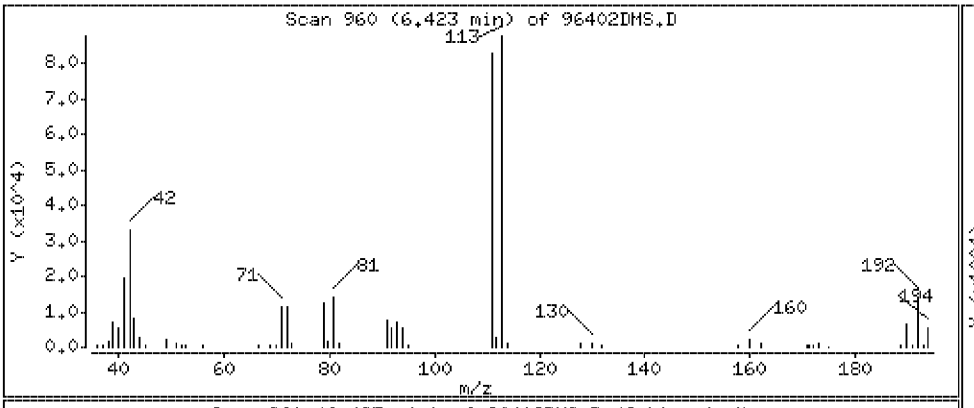
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

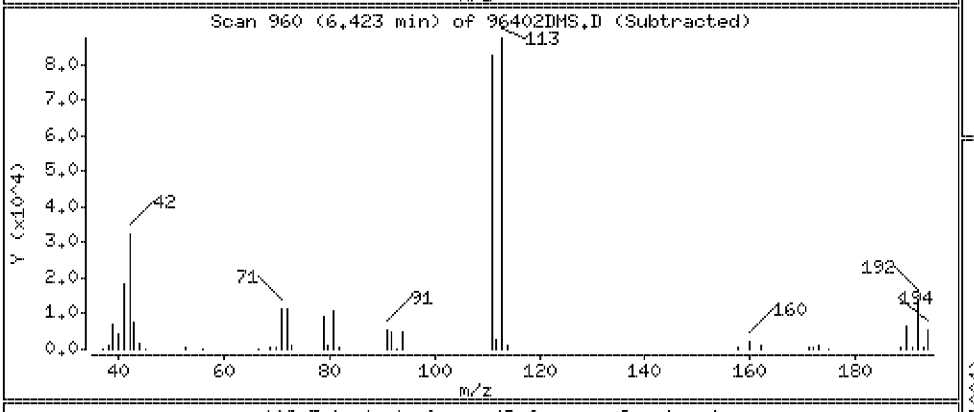
Sample Info: 250696402;2506964;5;

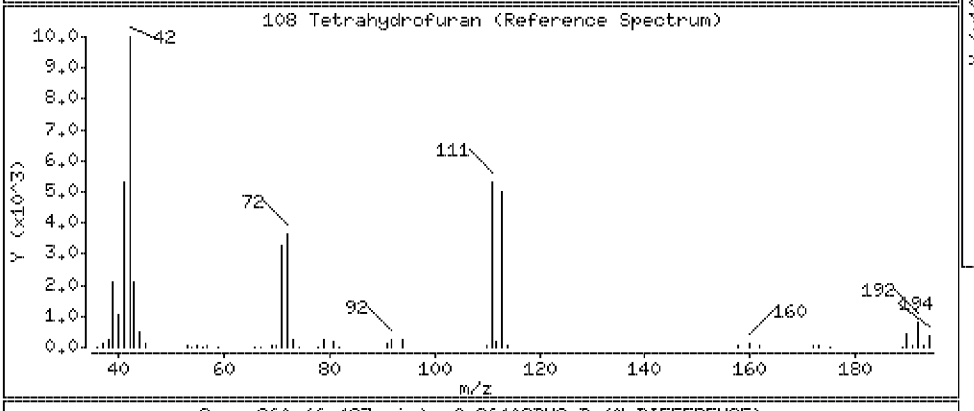
Purge Volume: 5.0 Operator:

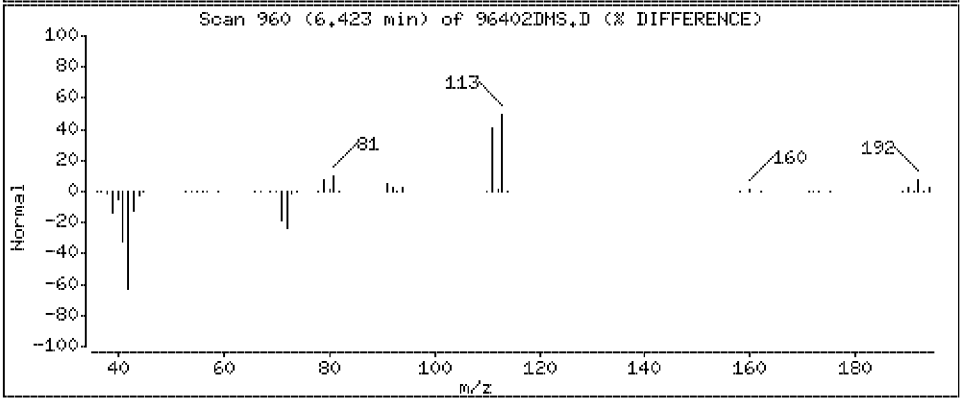
Column phase: DB-624 Column diameter: 0.18

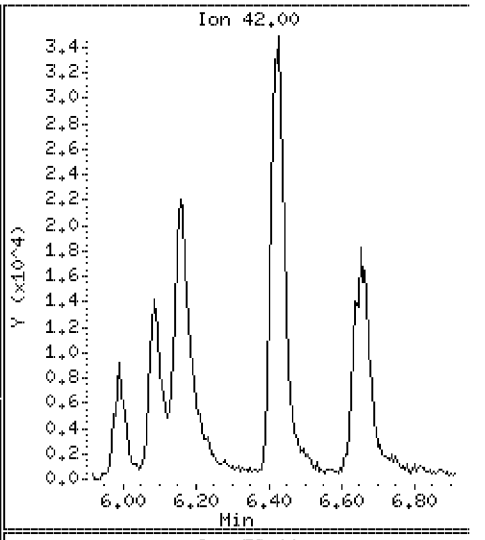
108 Tetrahydrofuran Concentration: 197 ug/l

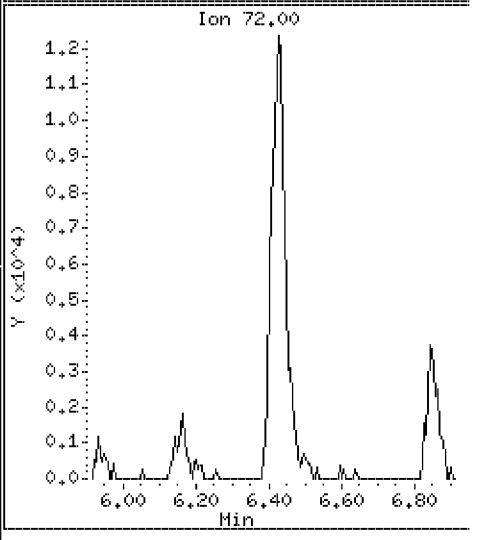












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Date : 15-JUN-2007 11:05

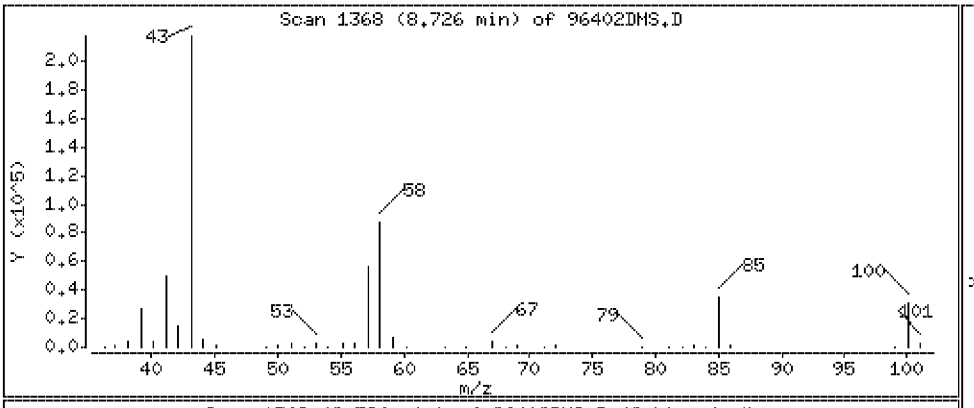
Client ID: TO0540AMSBLDL1 Instrument: vms03.i

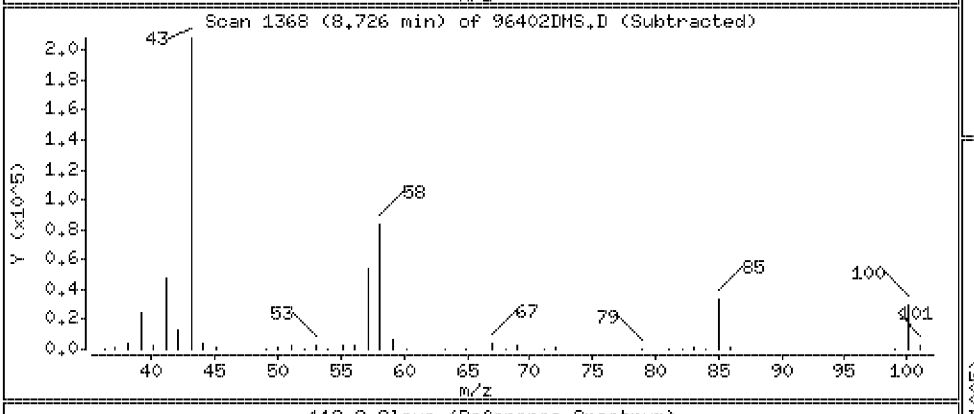
Sample Info: 250696402;2506964;5;

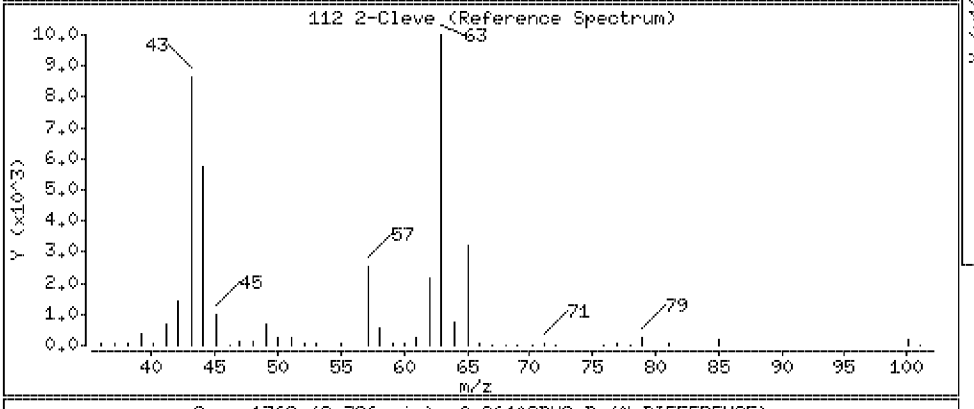
Purge Volume: 5.0 Operator:

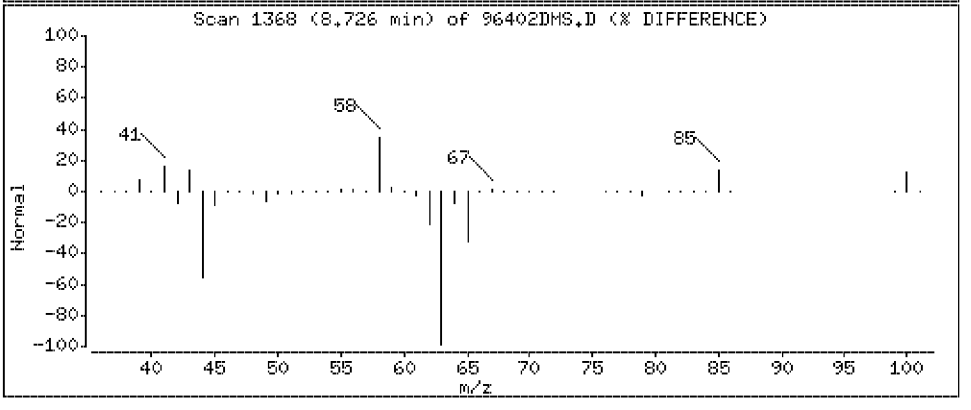
Column phase: DB-624 Column diameter: 0.18

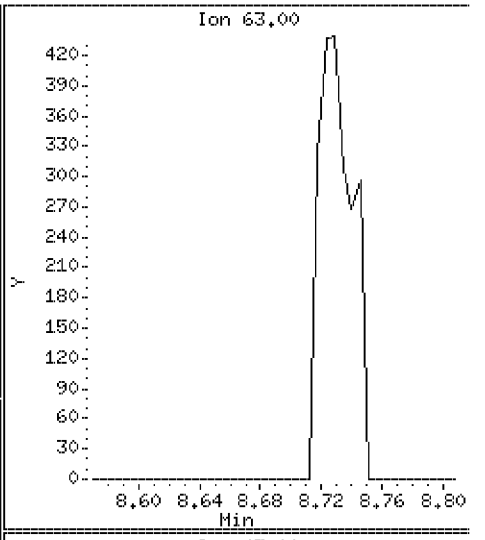
112 2-Cleve Concentration: 0.97 ug/l

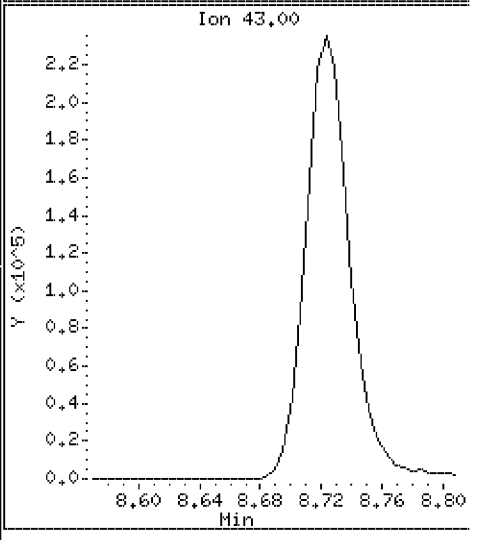












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D
Lab Smp Id: 250696403 Client Smp ID: TO0540AMSDBLDL1
Inj Date : 15-JUN-2007 11:28
Operator : Inst ID: vms03.i
Smp Info : 250696403;2506964;5;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M306150P.b\8260A.m
Meth Date : 20-Jun-2007 10:26 lpelo Quant Type: ISTD
Cal Date : 15-JUN-2007 08:57 Cal File: 80PPB.D
Als bottle: 24 QC Sample: MSD
Dil Factor: 5.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	5.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				412519	44.6840	223
M 2 Xylenes (Total)	100				1190577	57.8775	289
M 3 Trihalomethanes (Total)	100				700118	77.8577	389
4 Dichlorodifluoromethane	85	1.454	1.454	(0.196)	89115	15.5876	77.9(R)
5 Chloromethane	50	1.662	1.665	(0.224)	145764	15.9630	79.8
6 Vinyl Chloride	62	1.761	1.758	(0.237)	103290	17.2494	86.2
7 Bromomethane	96	2.184	2.183	(0.294)	67306	15.5919	78.0(R)
8 Chloroethane	64	2.273	2.272	(0.306)	86219	17.4882	87.4
9 Trichlorofluoromethane	101	2.528	2.521	(0.340)	181015	17.8603	89.3
10 Acrolein	56	3.013	3.010	(0.405)	80416	58.0139	290
11 1,1,2 Trichlorotrifluoromethan	101	3.048	3.040	(0.410)	120613	17.9416	89.7
12 Acetone	43	3.098	3.095	(0.417)	150613	52.2515	261
13 1,1-Dichloroethene	61	3.254	3.252	(0.438)	237775	19.1294	95.6
109 t-Butyl-Alcohol	59	3.389	3.385	(0.456)	165372	219.270	1100(q)
14 Acetonitrile	41	3.455	3.452	(0.465)	269563	197.764	989
15 Iodomethane	142	3.675	3.671	(0.495)	206026	21.9925	110
16 Methyl Acetate	43	3.746	3.742	(0.504)	135500	19.5872	97.9
17 Allyl Chloride	41	3.766	3.762	(0.507)	234433	19.8423	99.2(Q)
18 Carbon Disulfide	76	3.919	3.916	(0.527)	439057	19.1359	95.7
19 Methylene Chloride	49	3.943	3.942	(0.531)	240084	19.0307	95.2
20 Acrylonitrile	53	4.171	4.168	(0.561)	212994	62.8716	314
21 Methyl-tert-butyl ether	73	4.220	4.216	(0.568)	445485	22.1470	111

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	22 trans 1,2-Dichloroethene	61	4.405	4.402	(0.593)	225226	19.9440	99.7
	23 1,1-Dichloroethane	63	5.071	5.067	(0.682)	276664	19.6135	98.1
	24 Vinyl Acetate	43	5.128	5.123	(0.690)	302174	21.0896	105
	25 Chloroprene	53	5.204	5.200	(0.700)	267619	20.5700	103
	26 2-Butanone	43	5.731	5.725	(0.771)	217320	57.6940	288
	27 Propionitrile	54	5.830	5.824	(0.785)	273157	215.653	1080
	28 2,2-Dichloropropane	77	5.880	5.874	(0.791)	130698	21.3347	107
	29 cis-1,2-Dichloroethene	96	5.941	5.937	(0.800)	187293	24.7400	124(R)
	30 Methyacrylonitrile	67	6.088	6.085	(0.819)	649238	206.060	1030
	31 Isobutyl Alcohol	43	6.160	6.152	(0.829)	50647	170.137	851(Q)
	32 Chloroform	83	6.153	6.150	(0.828)	272305	19.8529	99.3
	33 Bromochloromethane	49	6.357	6.353	(0.855)	151411	19.7025	98.5
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.434	6.430	(0.866)	346129	50.9600	51.0
	35 1,1,1-Trichloroethane	97	6.656	6.653	(0.896)	213482	20.2382	101
	36 Cyclohexane	56	6.657	6.652	(0.896)	275633	20.0721	100
	37 1,1-Dichloropropene	75	6.851	6.848	(0.922)	193929	19.9503	99.8
	38 Carbon tetrachloride	117	6.959	6.955	(0.937)	153890	19.5253	97.6
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.054	7.051	(0.949)	78921	51.7334	51.7(q)
	40 1,2-Dichloroethane	62	7.165	7.162	(0.964)	240665	20.0204	100
	41 Benzene	78	7.167	7.163	(0.965)	572698	19.8370	99.2
*	42 FLUOROBENZENE (IS)	96	7.431	7.427	(1.000)	1264803	50.0000	
	43 Trichloroethylene	130	7.877	7.875	(1.060)	343782	47.2035	236(R)
	44 Methyl Cyclohexane	55	7.937	7.933	(1.068)	206726	20.4038	102
	45 1,2-Dichloropropane	63	8.079	8.077	(1.087)	166106	20.1327	101
	46 Methyl Methacrylate	69	8.178	8.174	(1.101)	98900	21.1304	106
	47 Bromodichloromethane	83	8.333	8.330	(1.121)	200400	19.6065	98.0
	48 1,4 Dioxane	88	8.378	8.373	(1.127)	30600	417.713	2090(Q)
	49 Dibromomethane	93	8.385	8.382	(1.128)	97623	19.8339	99.2
	50 4-Methyl-2-Pentanone	43	8.724	8.718	(0.664)	464398	55.7250	279
	51 2-Hexanone	43	9.632	9.629	(0.898)	332324	60.2636	301
	52 cis 1,3-Dichloropropene	75	8.926	8.925	(1.201)	248783	20.0744	100
$	53 TOLUENE d8 (surr)	98	9.173	9.170	(1.234)	1343438	50.3722	50.4
	54 Toluene	92	9.255	9.253	(1.245)	376750	20.2743	101
	55 trans 1,3-Dichloropropene	75	9.455	9.453	(1.272)	218527	20.6736	103
	56 Ethyl Methacrylate	69	9.458	9.454	(1.273)	187050	22.0764	110
	57 1,1,2-Trichloroethane	97	9.612	9.610	(1.294)	139761	20.1964	101
	58 1,3-Dichloropropane	76	9.873	9.871	(0.920)	241962	19.6986	98.5
	59 Tetrachloroethylene	164	9.927	9.926	(0.926)	120480	20.1932	101
	60 Dibromochloromethane	129	10.134	10.133	(0.945)	138391	19.4287	97.1
	61 1,2-Dibromoethane	107	10.339	10.337	(0.964)	139772	19.9840	99.9
	62 1-Chlorohexane	91	10.511	10.509	(0.980)	183302	20.1124	100
*	63 CHLOROBENZENE d5 (IS)	117	10.726	10.724	(1.000)	947433	50.0000	
	64 Chlorobenzene	112	10.764	10.763	(1.004)	437058	20.0071	100
	65 1,1,1,2-Tetrachloroethane	131	10.811	10.809	(1.008)	124830	19.1231	95.6
	66 Ethylbenzene	106	10.819	10.818	(1.009)	218977	19.8654	99.3
	67 p,m-Xylene	106	10.897	10.895	(1.016)	552979	38.3635	192
	68 o-Xylene	91	11.338	11.336	(1.057)	637598	19.5140	97.6
	69 Styrene	104	11.374	11.372	(1.060)	459153	20.1473	101
	70 Bromoform	173	11.714	11.712	(1.092)	89022	18.9695	94.8
	71 1-Methylethylbenzene	105	11.699	11.698	(0.890)	706617	20.6361	103
	72 1,4-Dichloro-2-Butene	53	11.373	11.370	(0.865)	5105	40.4165	202(q)
	73 1,1,2,2-Tetrachloroethane	83	11.875	11.874	(0.903)	185214	20.6163	103
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.953	11.951	(0.909)	544142	49.9941	50.0
	75 1,2,3- trichloropropane	110	12.022	12.021	(0.915)	59055	20.8110	104

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
76 n-Propylbenzene	91	12.104	12.102	(0.921)	867159	20.1773	101
77 Bromobenzene	77	12.146	12.145	(0.924)	311881	19.4627	97.3
78 1,3,5-Trimethylbenzene	105	12.262	12.261	(0.933)	632426	20.4945	102
79 2-Chlorotoluene	91	12.282	12.281	(0.934)	617620	20.0980	100
80 4-Chlorotoluene	91	12.330	12.329	(0.938)	573419	19.6436	98.2
81 tert-Butylbenzene	119	12.621	12.620	(0.960)	577679	20.4716	102
82 1,2,4-trimethylbenzene	105	12.658	12.657	(0.963)	624668	20.1529	101
83 sec-Butylbenzene	105	12.834	12.833	(0.976)	717896	20.1224	101
84 p-Isopropyltoluene	119	12.972	12.971	(0.987)	614071	20.4474	102
85 1,3-Dichlorobenzene	146	13.069	13.068	(0.994)	335800	20.5091	102
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.144	13.143	(1.000)	496130	50.0000	
87 1,4-Dichlorobenzene	146	13.176	13.175	(1.002)	320748	19.7927	99.0
88 Benzyl Chloride	91	13.294	13.293	(1.011)	148494	17.4730	87.4
89 n-Butylbenzene	91	13.383	13.382	(1.018)	507826	19.9733	99.9
90 1,2-Dichlorobenzene	146	13.548	13.548	(1.031)	312377	20.1129	100
91 1,2-dibromo-3-chloropropane	75	14.300	14.300	(1.088)	28232	19.5931	98.0
92 1,2,4-Trichlorobenzene	180	14.979	14.980	(1.140)	152142	19.6712	98.4
93 Hexachlorobutadiene	223	15.075	15.078	(1.147)	44466	20.1260	101
94 Naphthalene	128	15.162	15.164	(1.154)	348191	19.5723	97.9
95 1,2,3-trichlorobenzene	180	15.330	15.332	(1.166)	132119	19.3933	97.0
103 Isopropyl Ether	45	4.961	4.956	(0.668)	553986	20.2506	101
104 Ethyl acetate	43	5.989	5.983	(0.806)	308433	40.6867	203
105 Cyclohexanone	55	11.762	11.758	(1.097)	56426	64.9638	325(R)
106 Ethyl ether	59	2.853	2.850	(0.384)	138068	20.7054	104
107 2-Nitropropane	43	8.428	8.425	(1.134)	59826	36.3827	182
108 Tetrahydrofuran	42	6.423	6.415	(0.864)	93238	38.7761	194

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 96403DSD.D
Lab Smp Id: 250696403
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M306150P.b\8260A.m
Misc Info:

Calibration Date: 15-JUN-2007
Calibration Time: 10:18
Client Smp ID: TO0540AMSDBLDL1
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1288369	644185	2576738	1264803	-1.83
63 CHLOROBENZENE d5	921152	460576	1842304	947433	2.85
86 1,4-DICHLOROBENZE	508073	254037	1016146	496130	-2.35

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.04
63 CHLOROBENZENE d5	10.72	10.22	11.22	10.73	0.01
86 1,4-DICHLOROBENZE	13.14	12.64	13.64	13.14	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

Client ID: TO0540AMSDBLDL1

Instrument: vms03.i

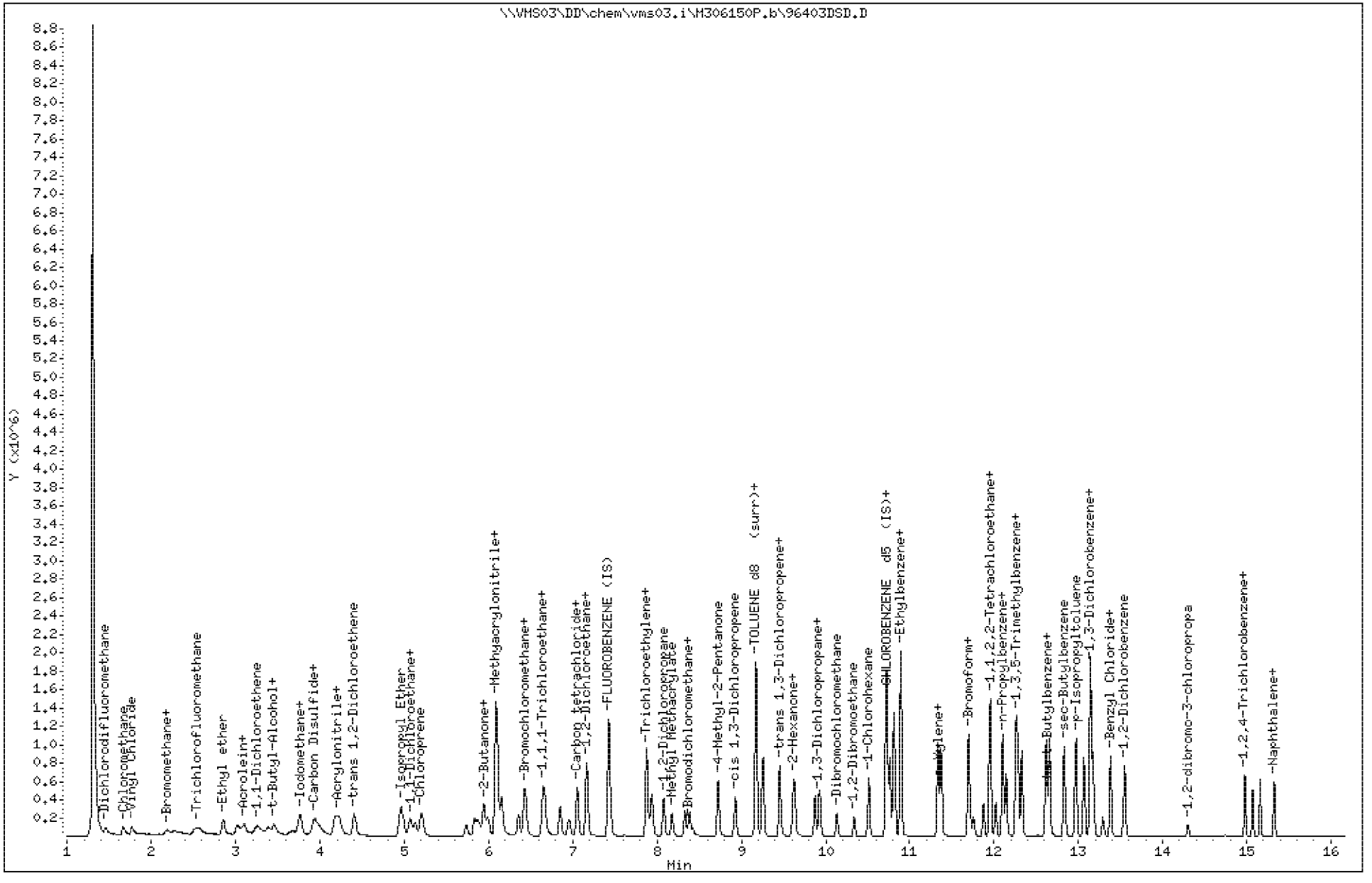
Sample Info: 250696403;2506964;5;

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



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Date : 15-JUN-2007 11:28

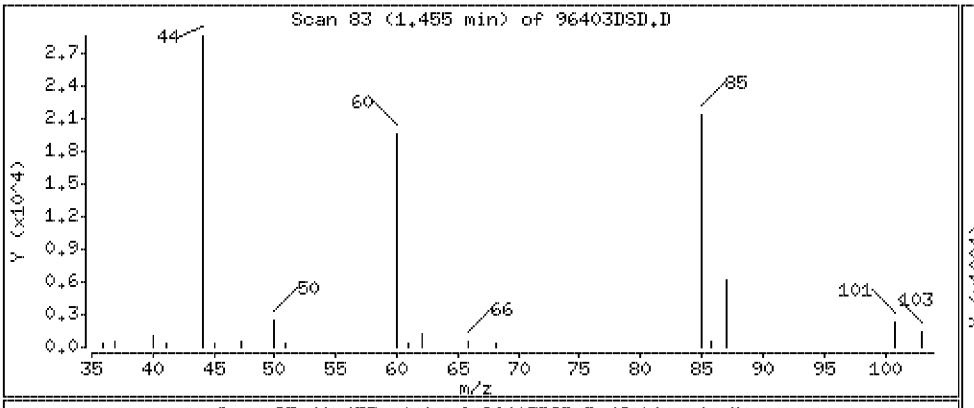
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

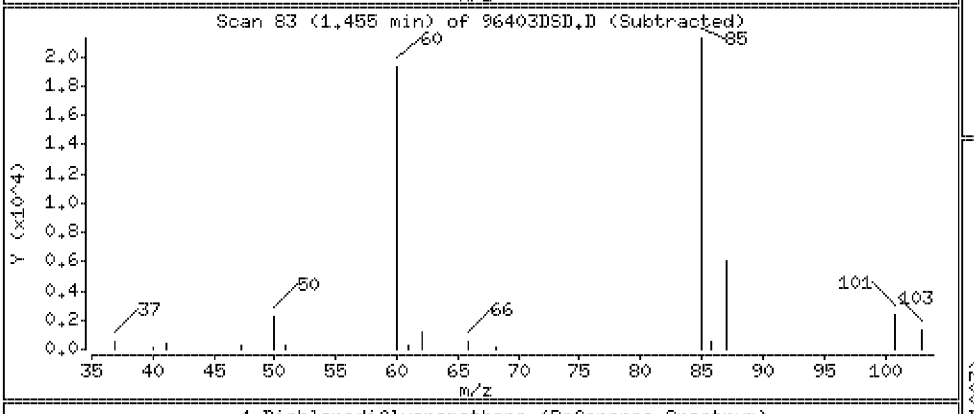
Sample Info: 250696403;2506964;5;

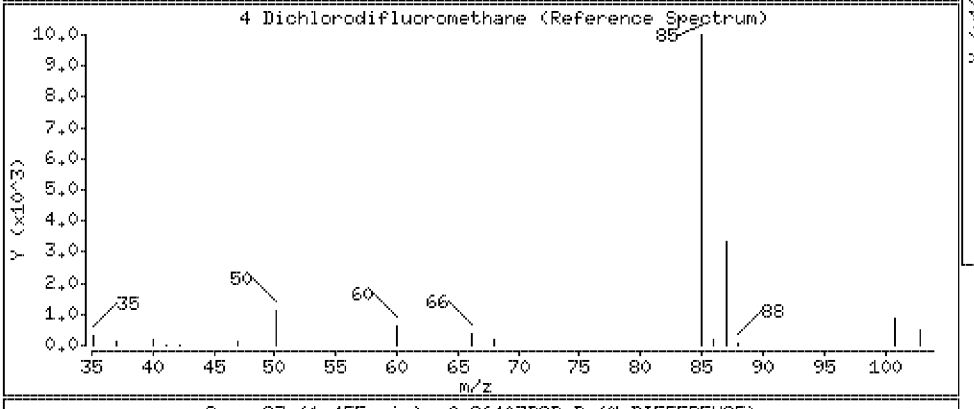
Purge Volume: 5.0 Operator:

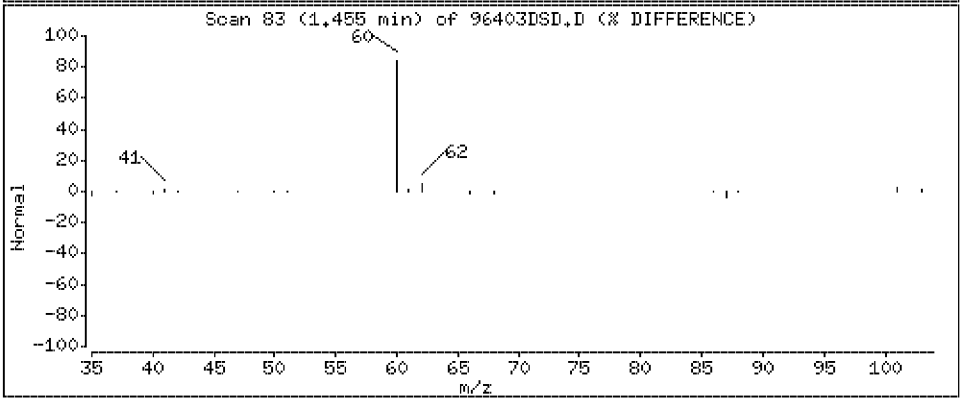
Column phase: DB-624 Column diameter: 0.18

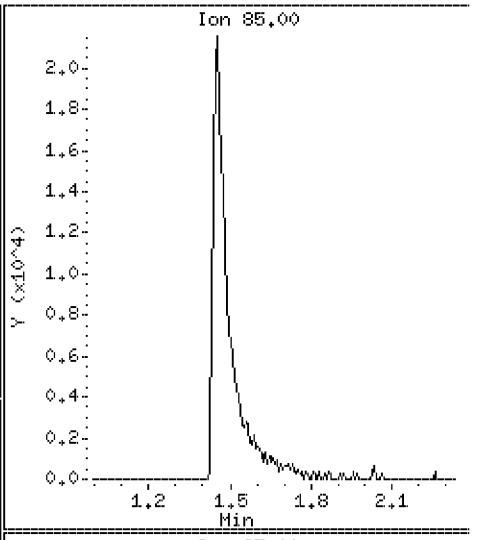
4 Dichlorodifluoromethane Concentration: 77.9 ug/l

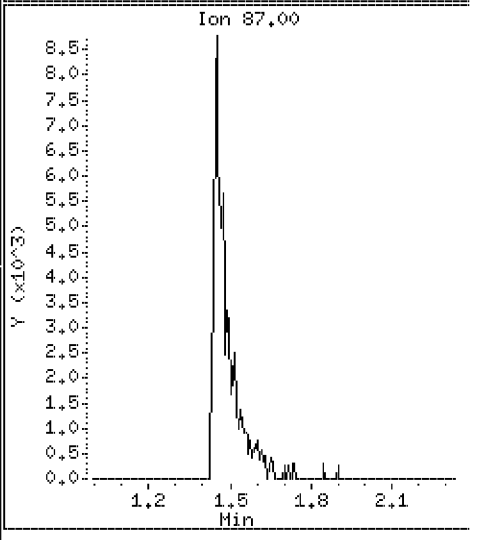












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Date : 15-JUN-2007 11:28

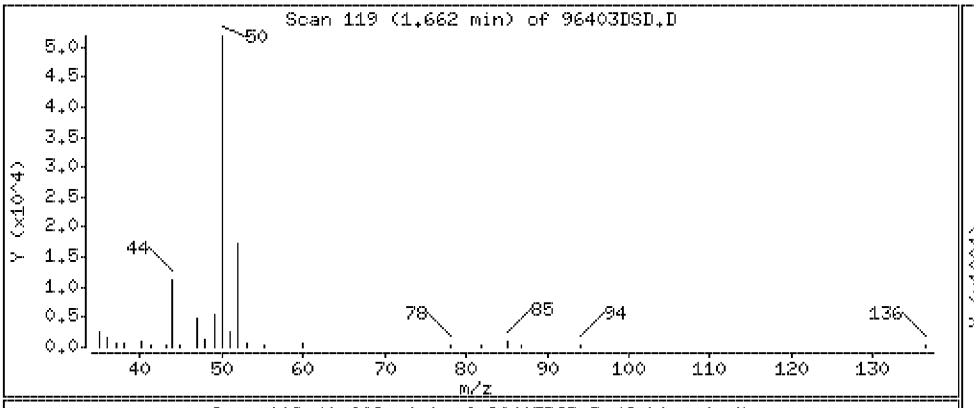
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

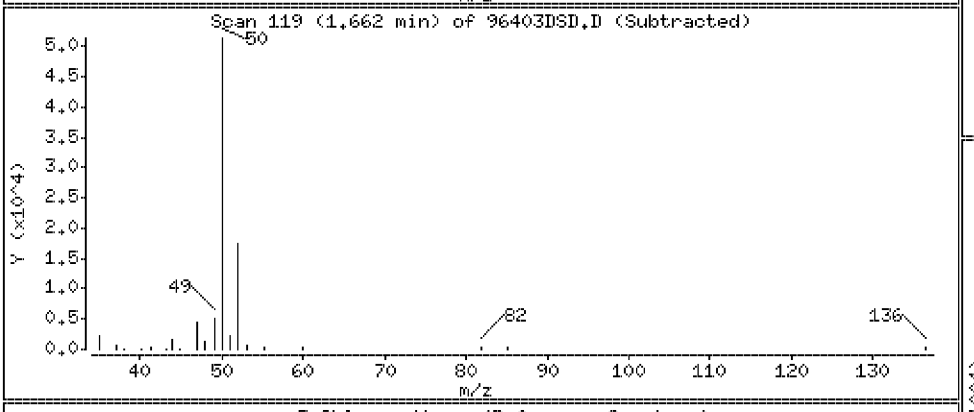
Sample Info: 250696403;2506964;5;

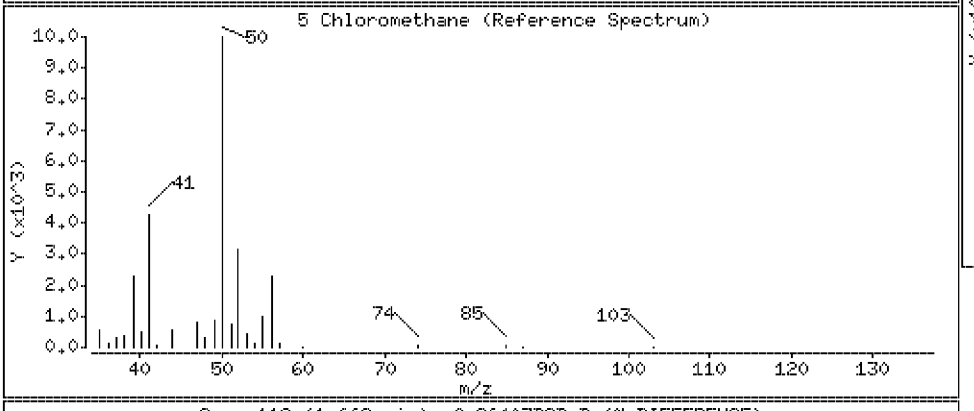
Purge Volume: 5.0 Operator:

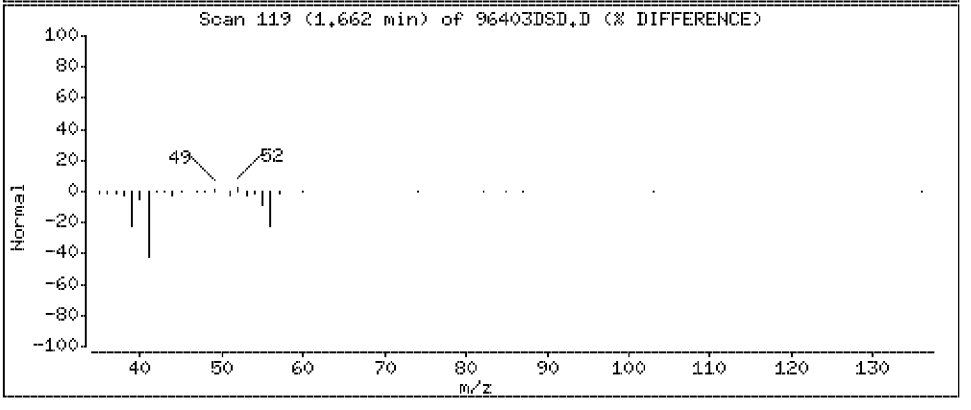
Column phase: DB-624 Column diameter: 0.18

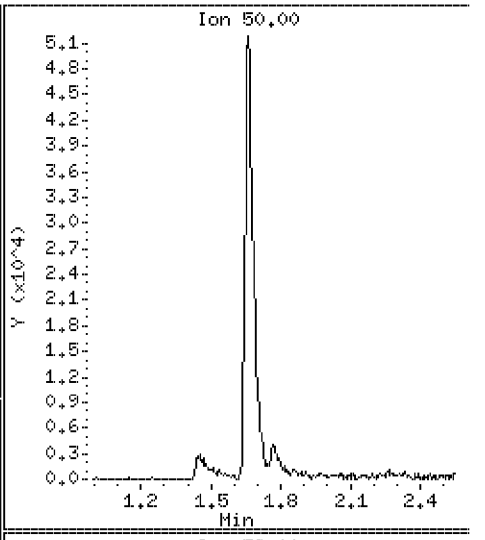
5 Chloromethane Concentration: 79.8 ug/l

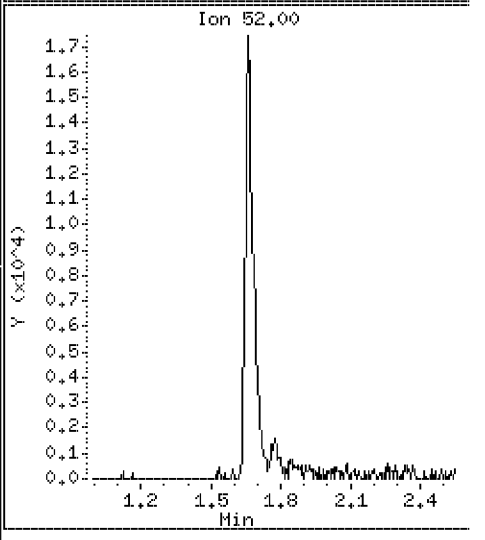












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Date : 15-JUN-2007 11:28

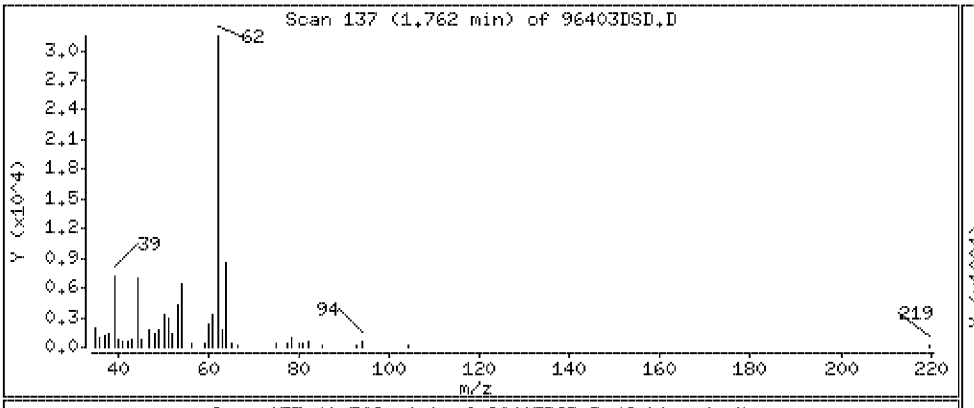
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

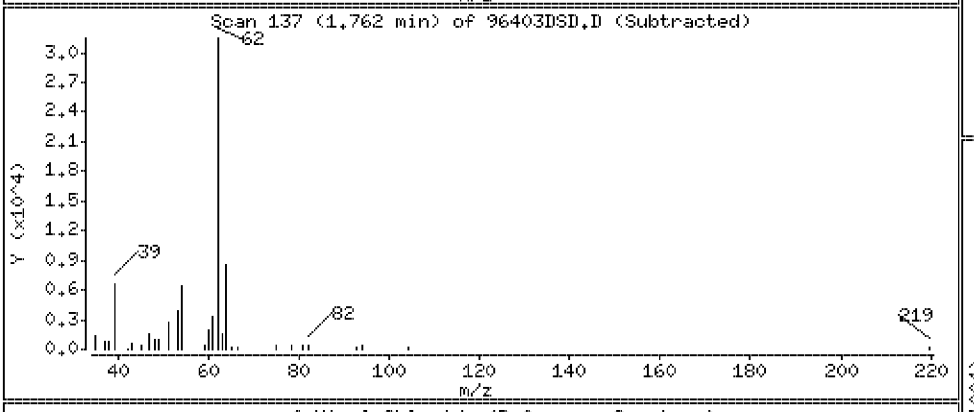
Sample Info: 250696403;2506964;5;

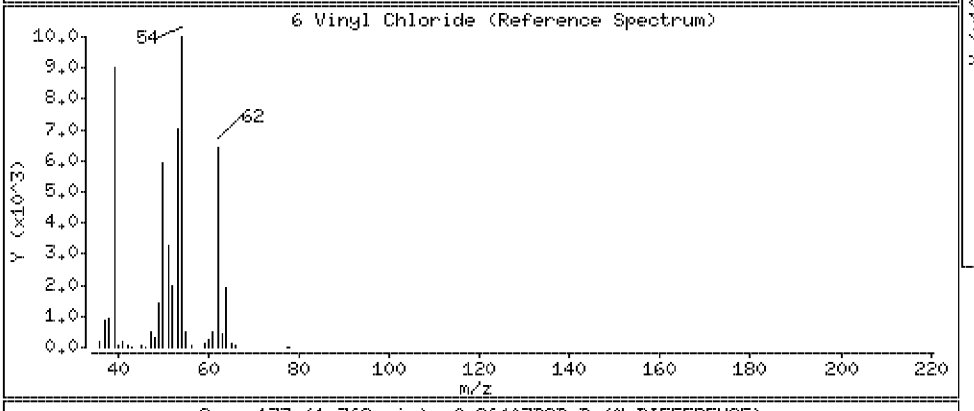
Purge Volume: 5.0 Operator:

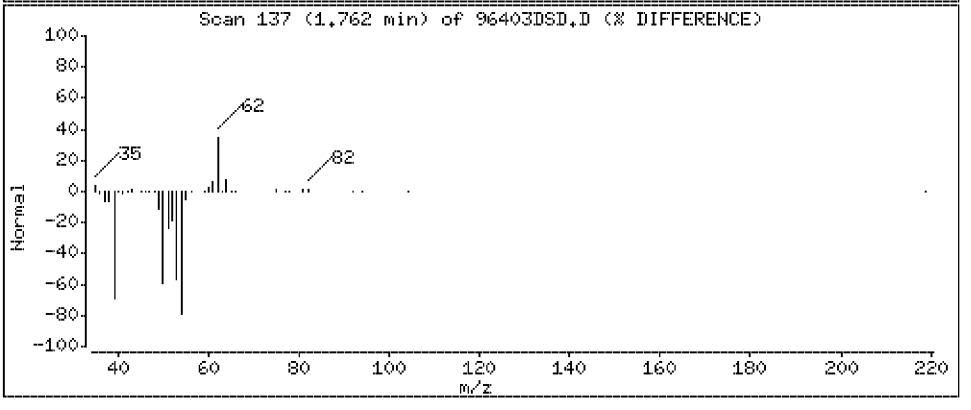
Column phase: DB-624 Column diameter: 0.18

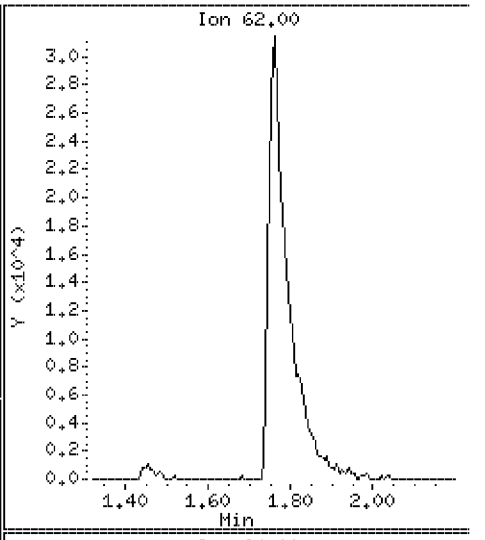
6 Vinyl Chloride Concentration: 86.2 ug/l

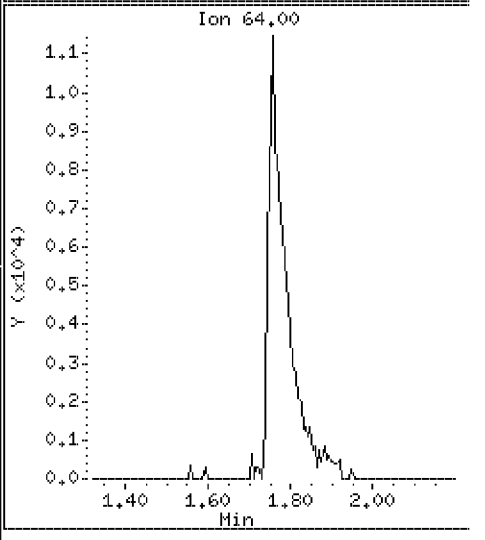












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Date : 15-JUN-2007 11:28

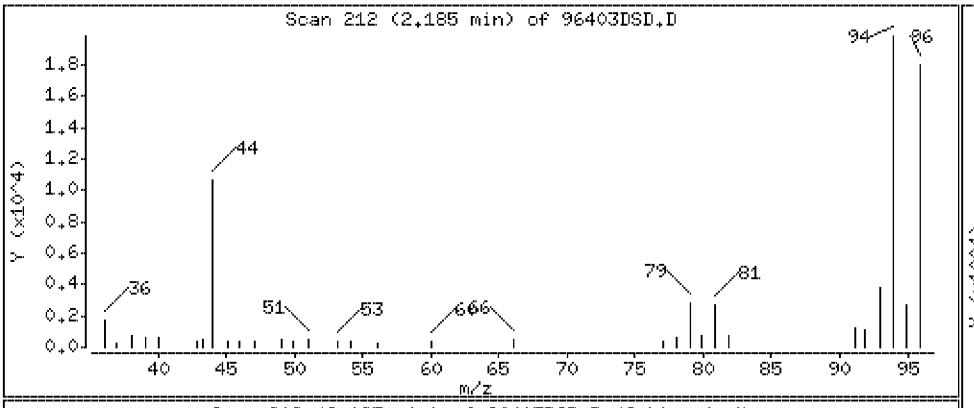
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

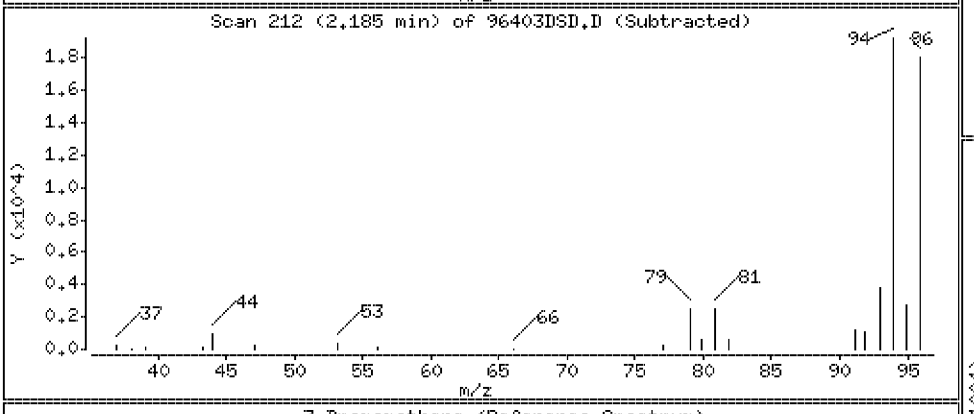
Sample Info: 250696403;2506964;5;

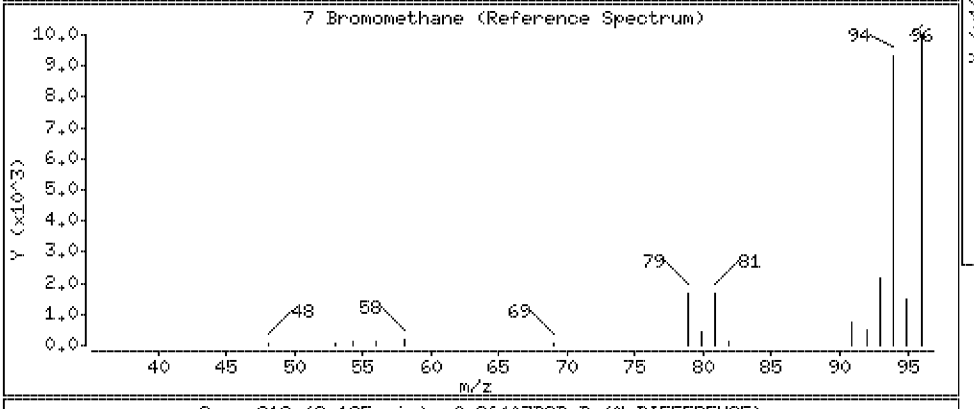
Purge Volume: 5.0 Operator:

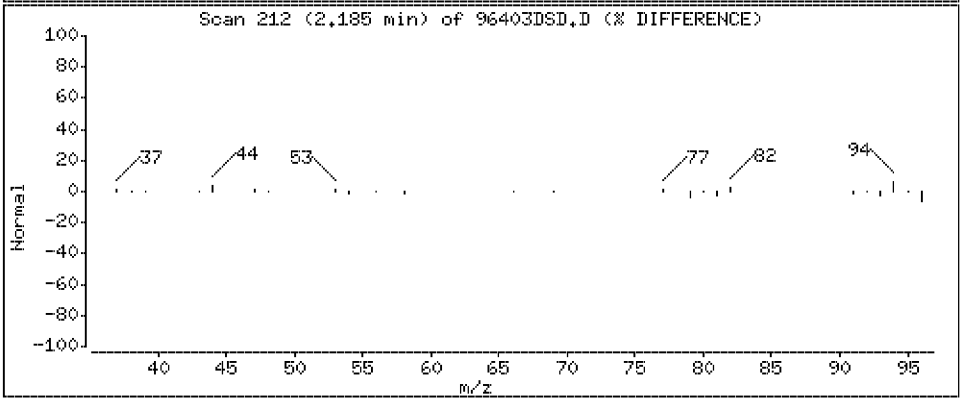
Column phase: DB-624 Column diameter: 0.18

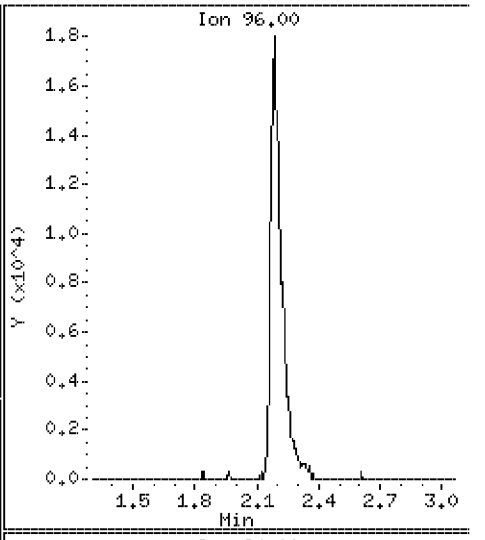
7 Bromomethane Concentration: 78.0 ug/l

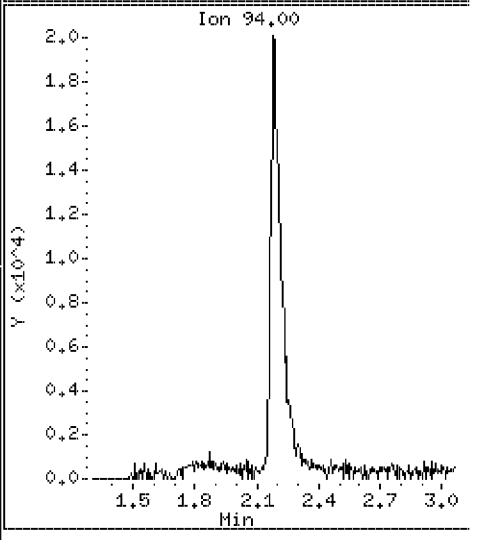












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Date : 15-JUN-2007 11:28

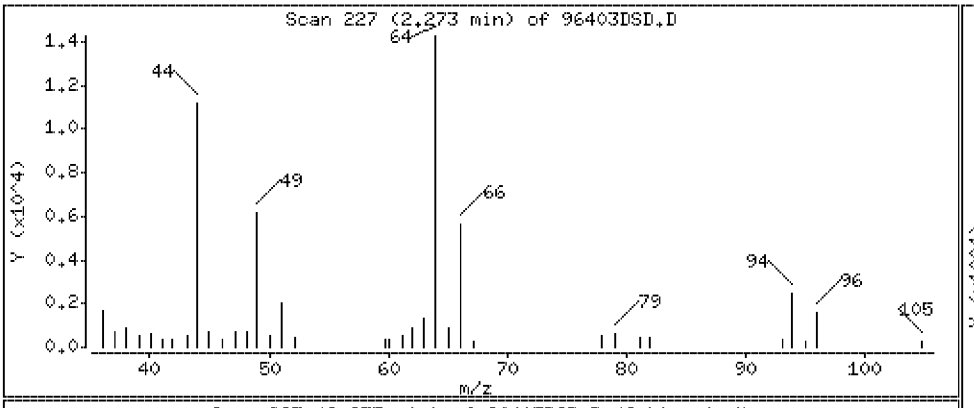
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

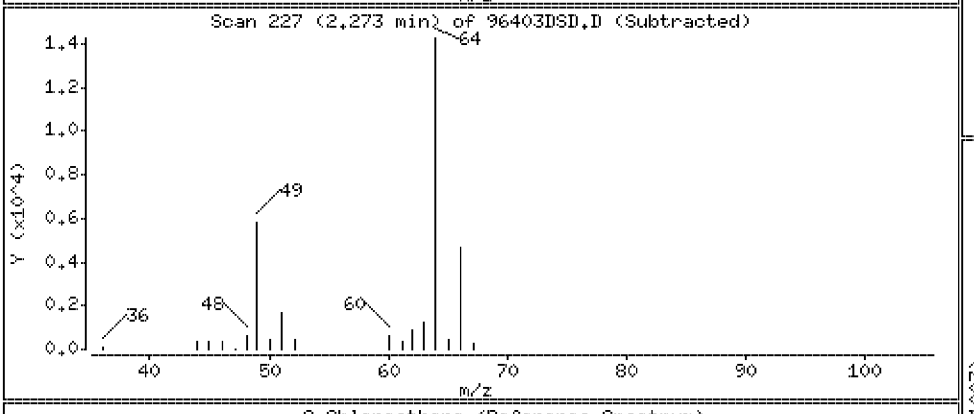
Sample Info: 250696403;2506964;5;

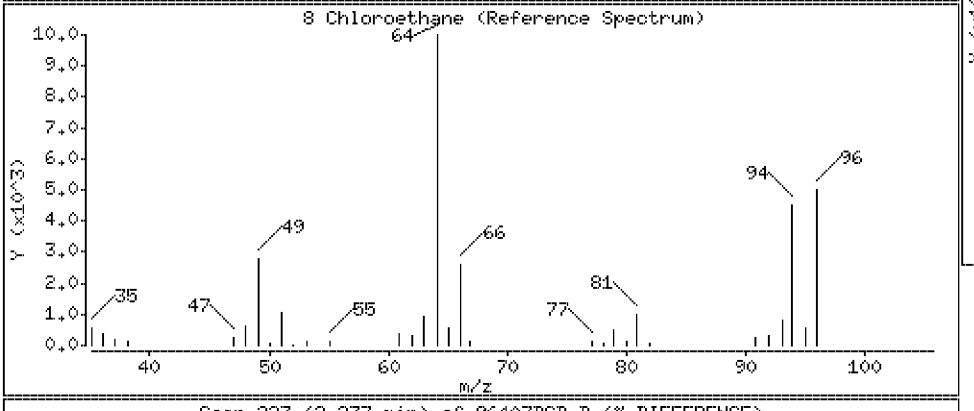
Purge Volume: 5.0 Operator:

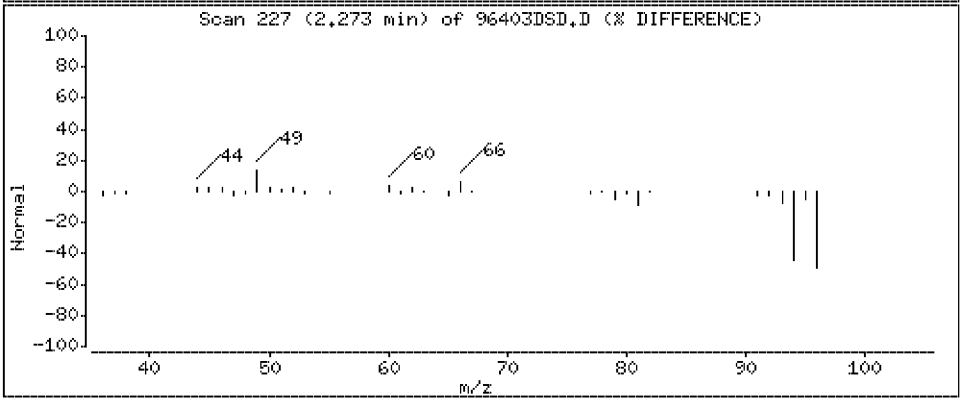
Column phase: DB-624 Column diameter: 0.18

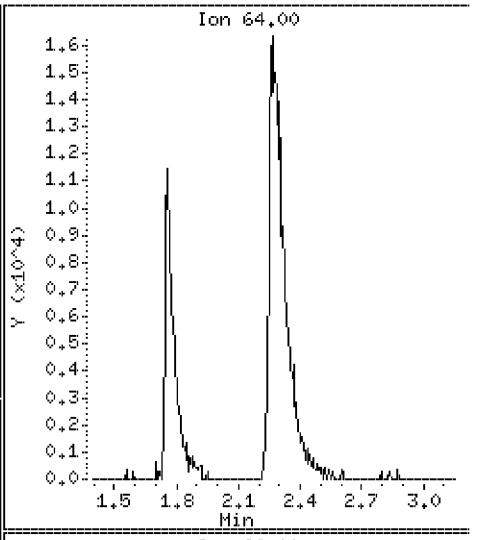
8 Chloroethane Concentration: 87.4 ug/l

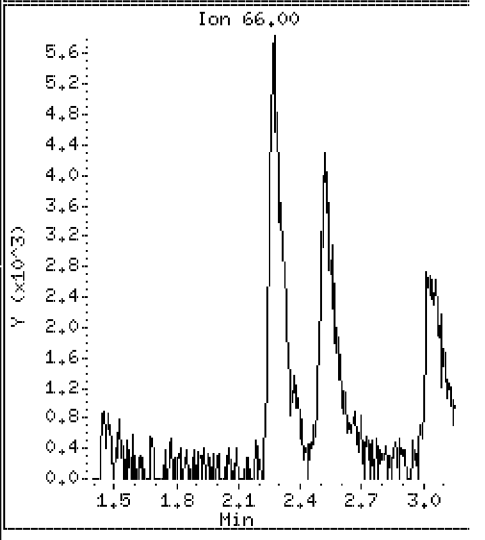












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Date : 15-JUN-2007 11:28

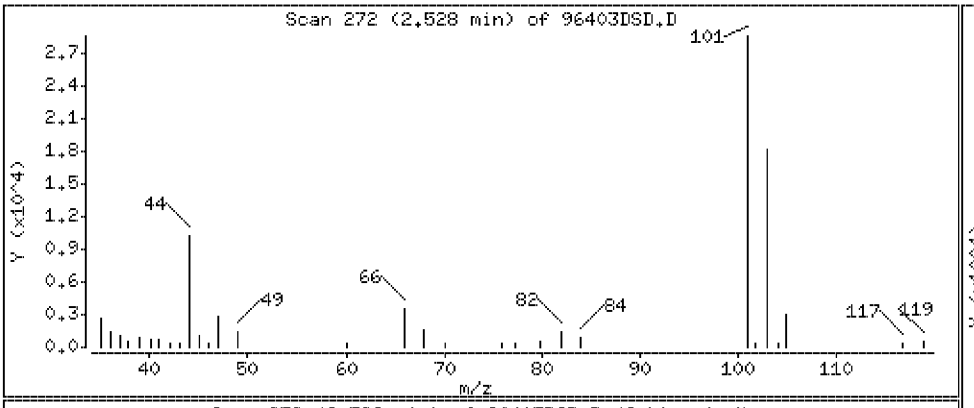
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

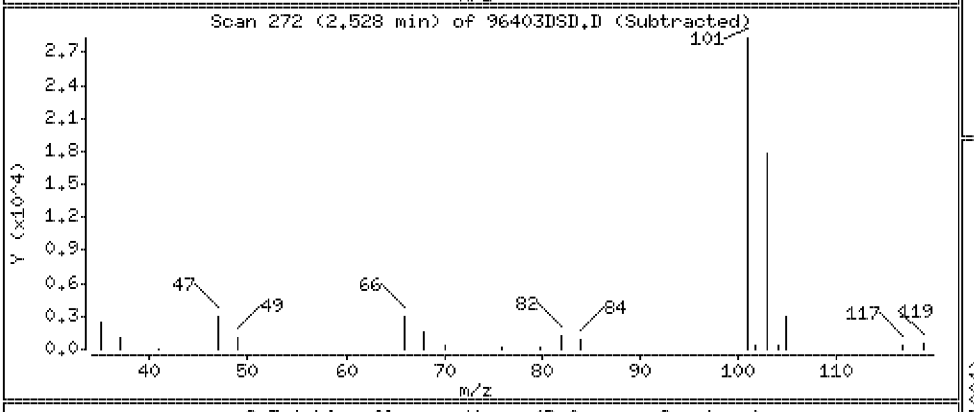
Sample Info: 250696403;2506964;5;

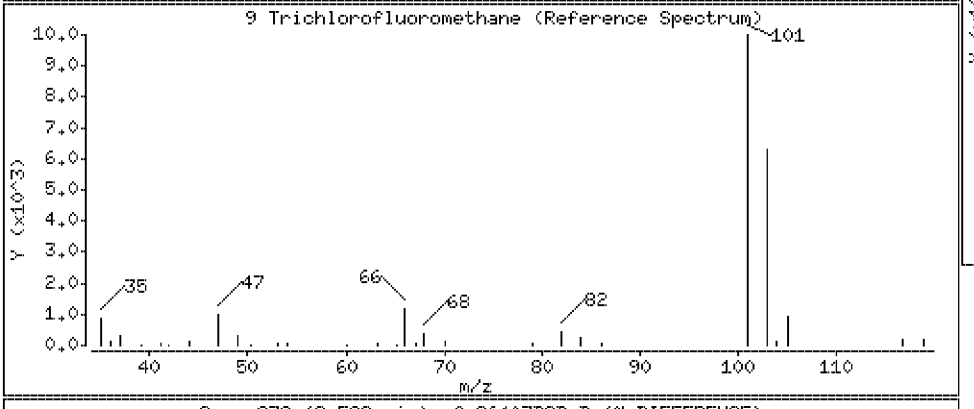
Purge Volume: 5.0 Operator:

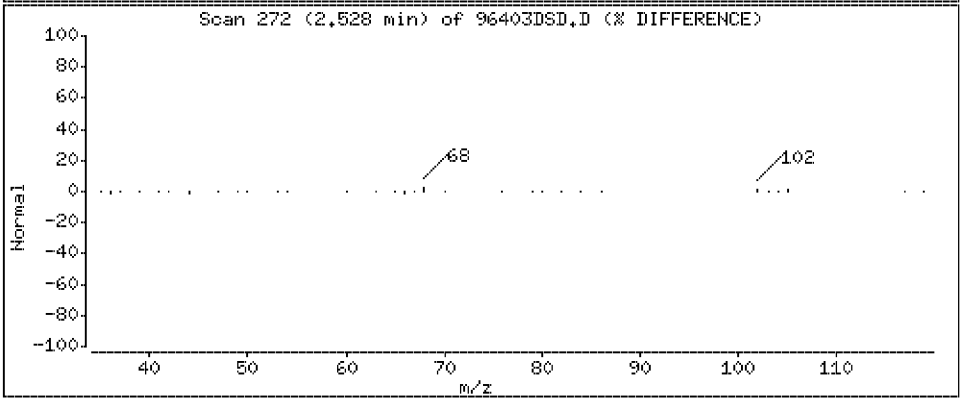
Column phase: DB-624 Column diameter: 0.18

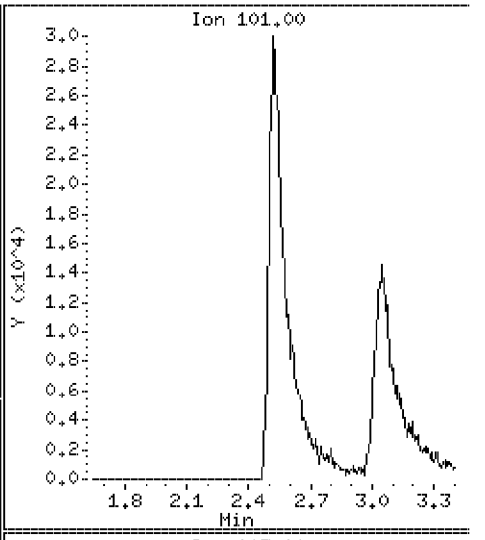
9 Trichlorofluoromethane Concentration: 89.3 ug/l

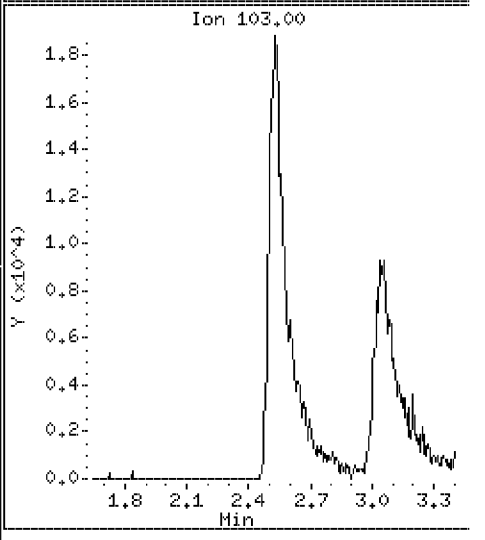












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Date : 15-JUN-2007 11:28

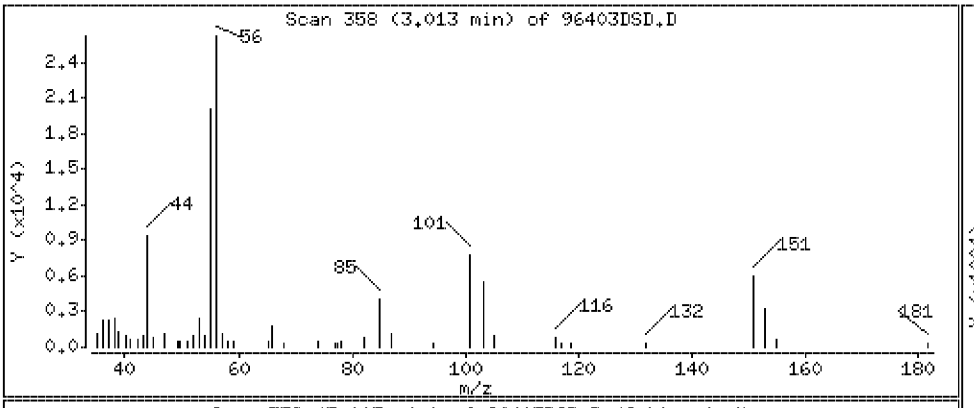
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

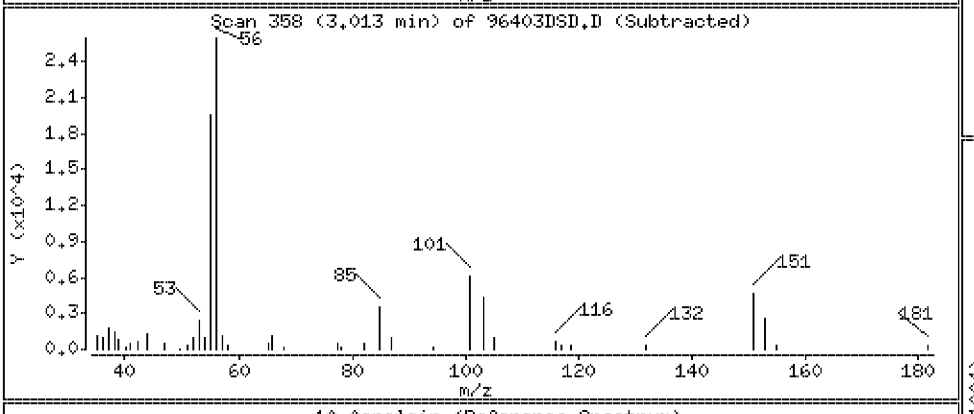
Sample Info: 250696403;2506964;5;

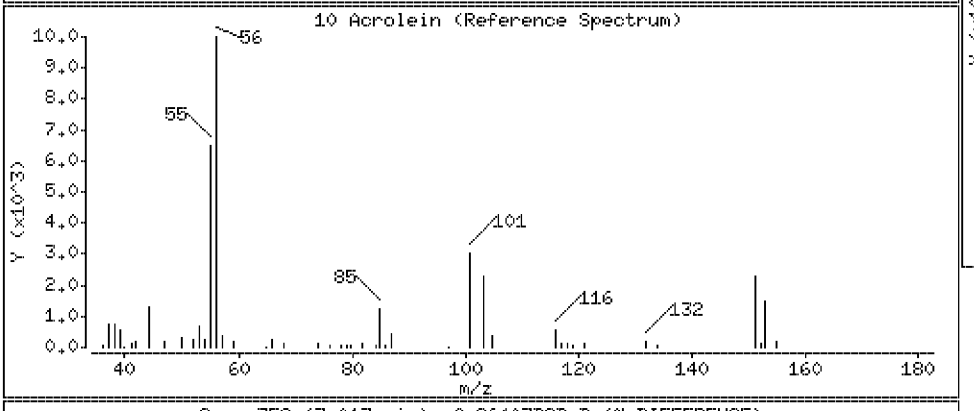
Purge Volume: 5.0 Operator:

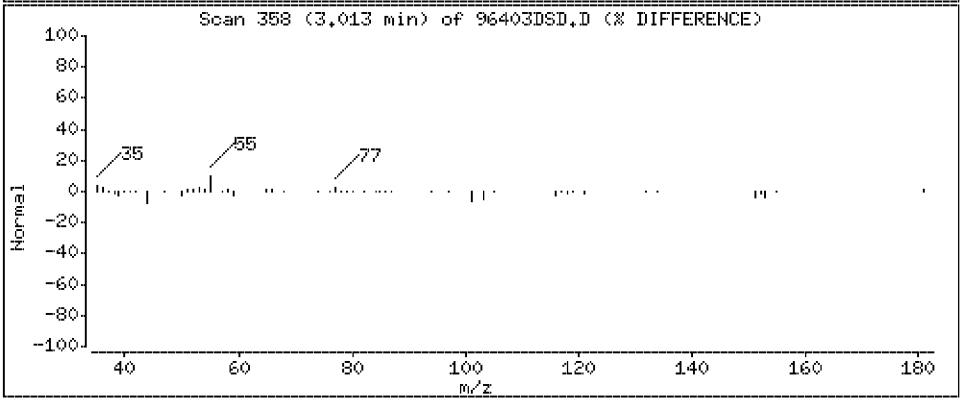
Column phase: DB-624 Column diameter: 0.18

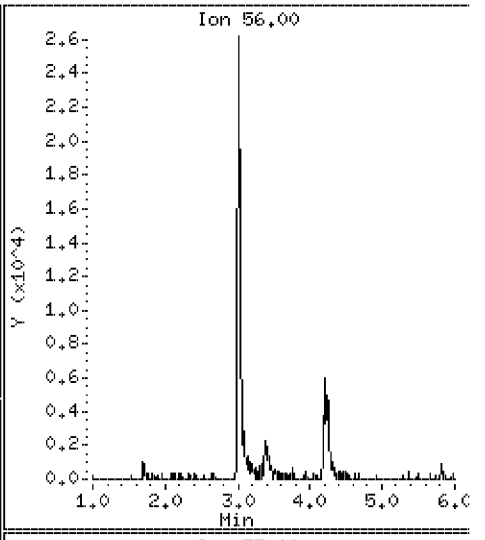
10 Acrolein Concentration: 290 ug/l

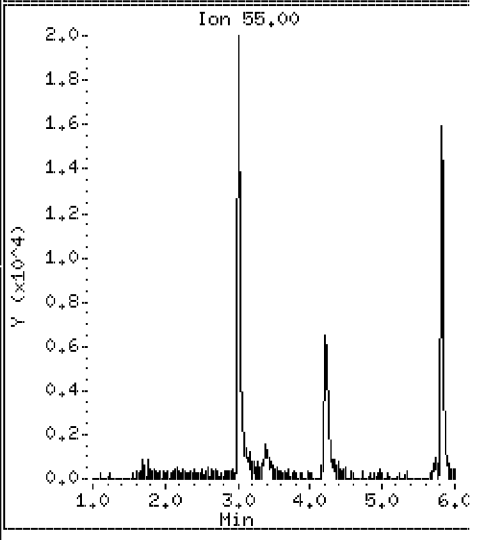












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

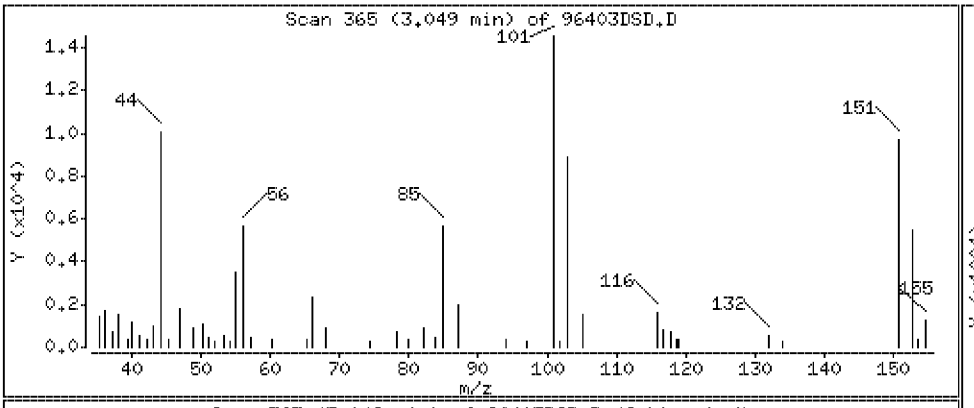
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

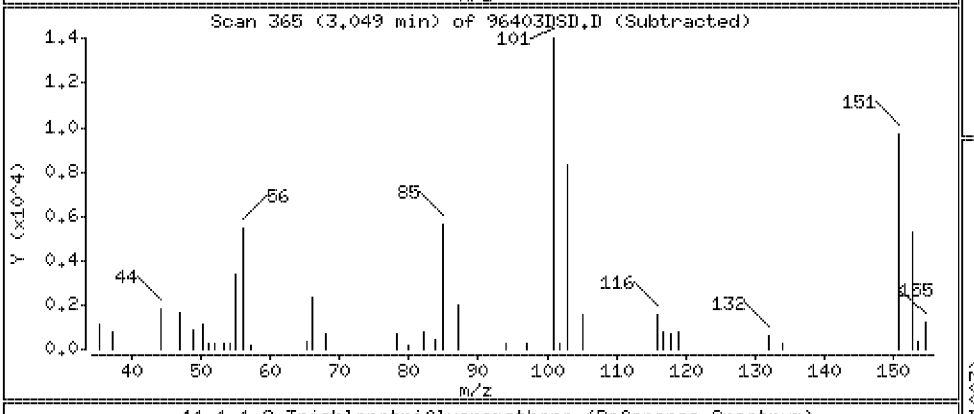
Sample Info: 250696403;2506964;5;

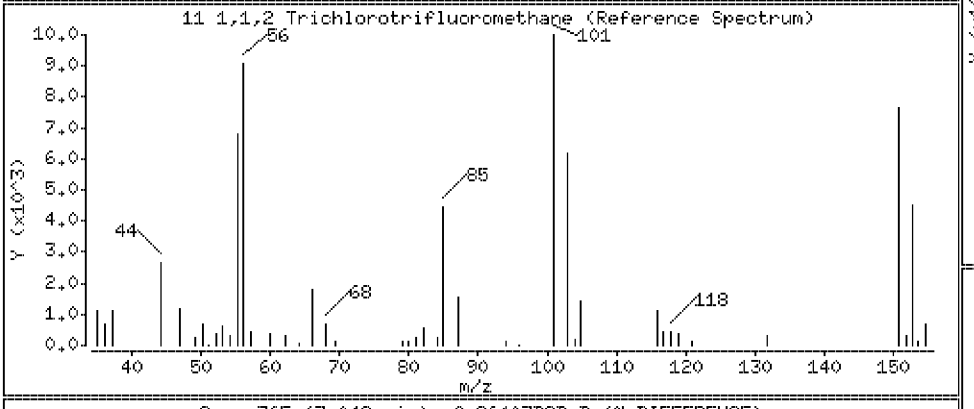
Purge Volume: 5.0 Operator:

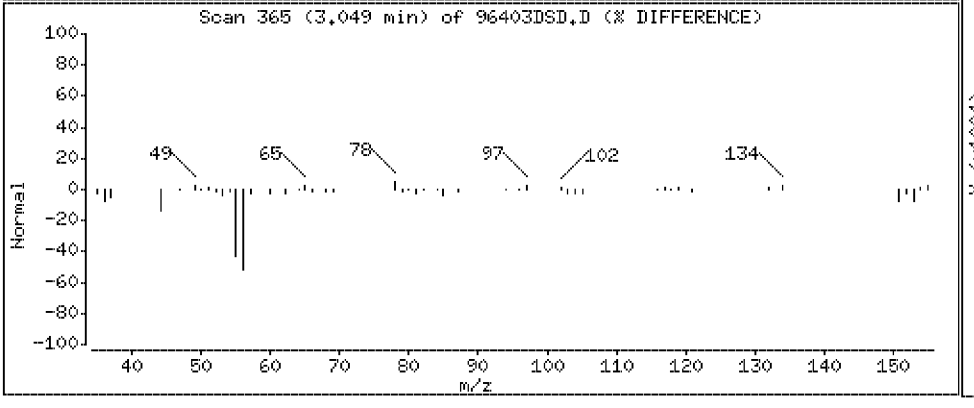
Column phase: DB-624 Column diameter: 0.18

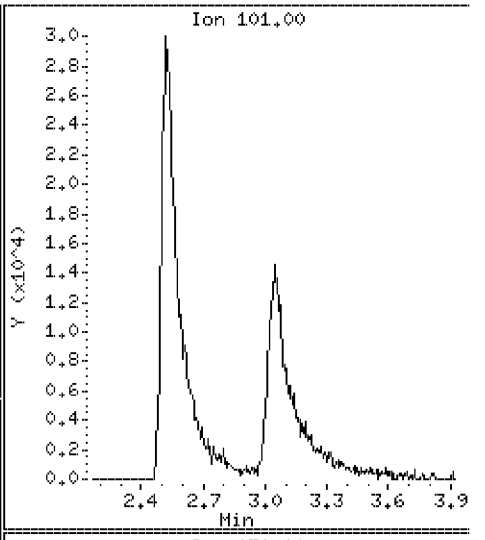
11 1,1,2 Trichlorotrifluoromethane Concentration: 89.7 ug/l

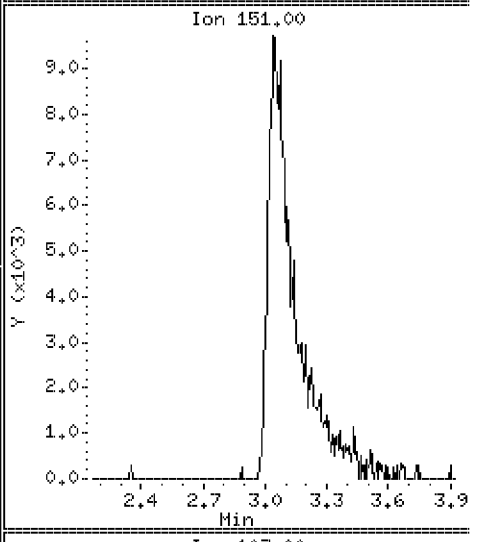


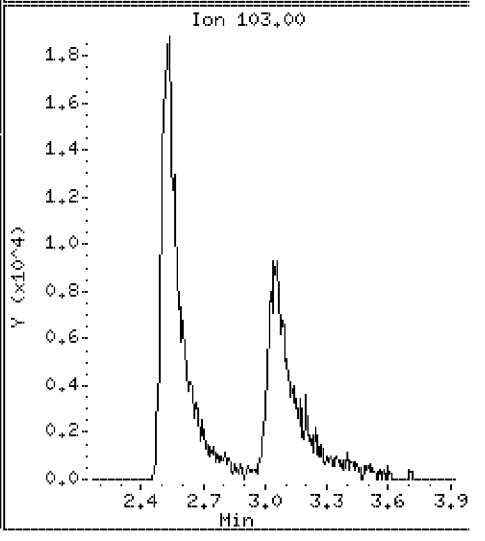












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

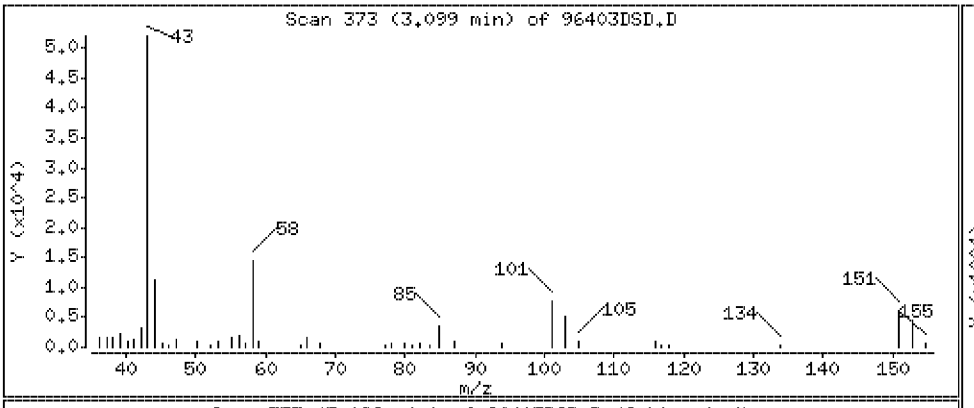
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

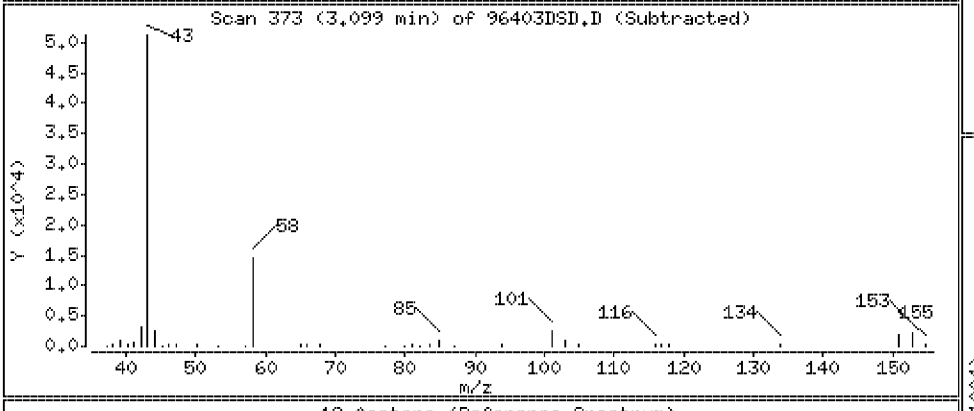
Sample Info: 250696403;2506964;5;

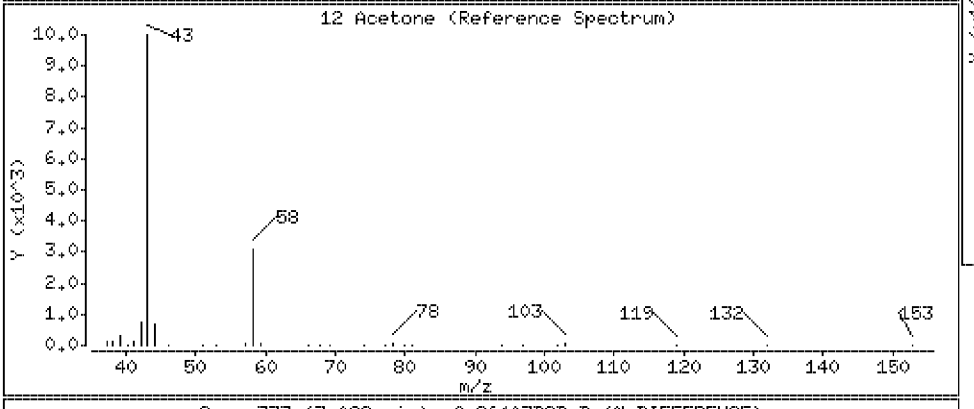
Purge Volume: 5.0 Operator:

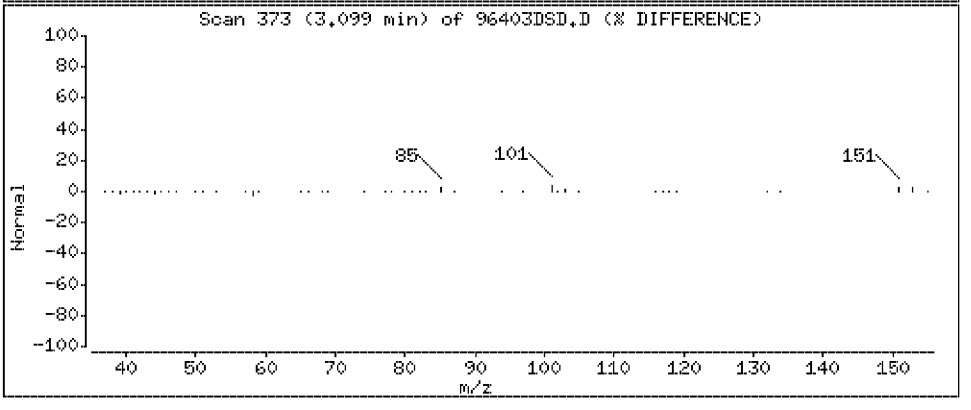
Column phase: DB-624 Column diameter: 0.18

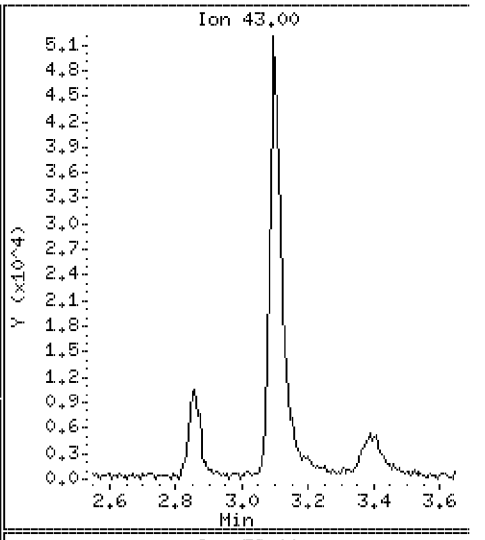
12 Acetone Concentration: 261 ug/l

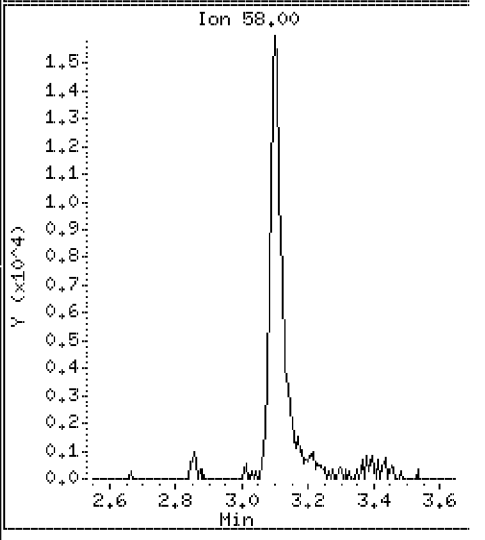












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Date : 15-JUN-2007 11:28

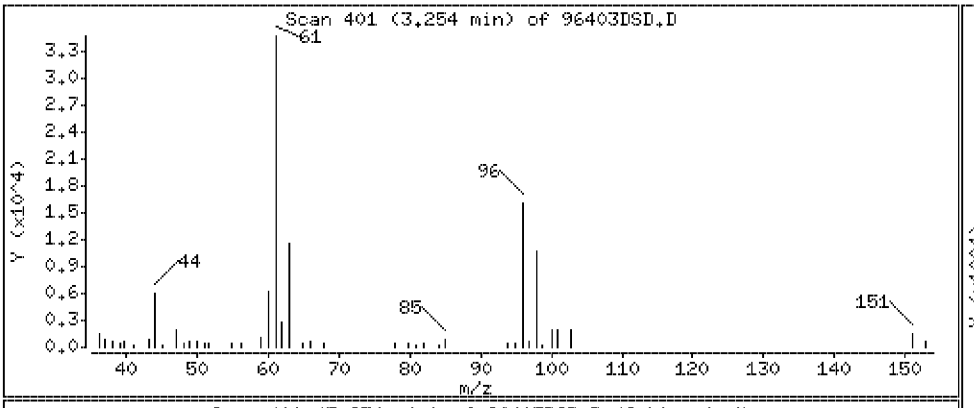
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

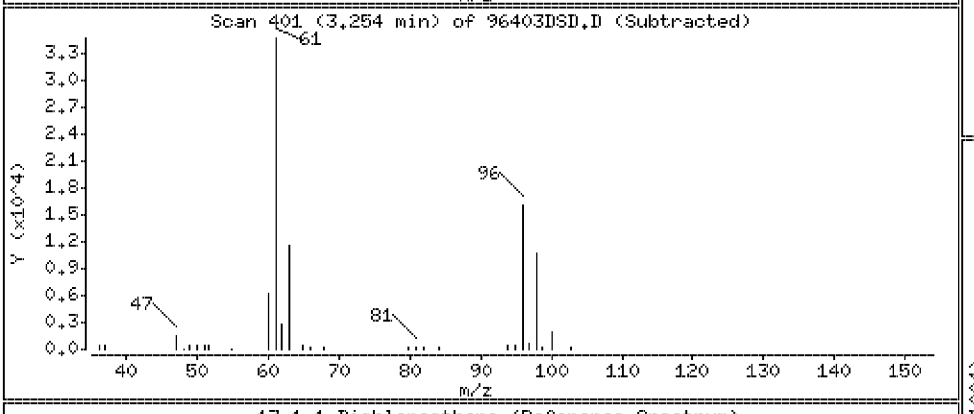
Sample Info: 250696403;2506964;5;

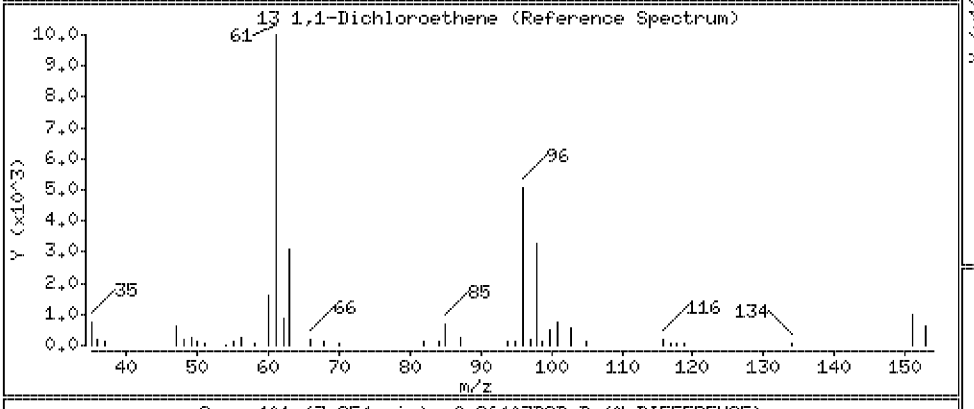
Purge Volume: 5.0 Operator:

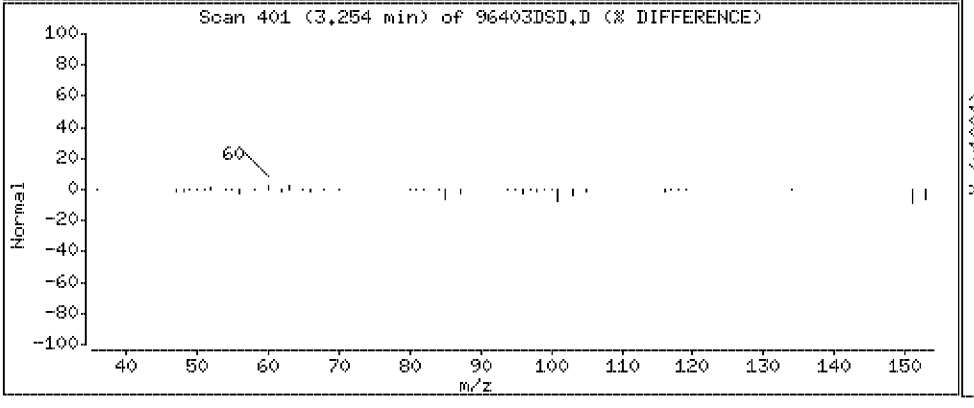
Column phase: DB-624 Column diameter: 0.18

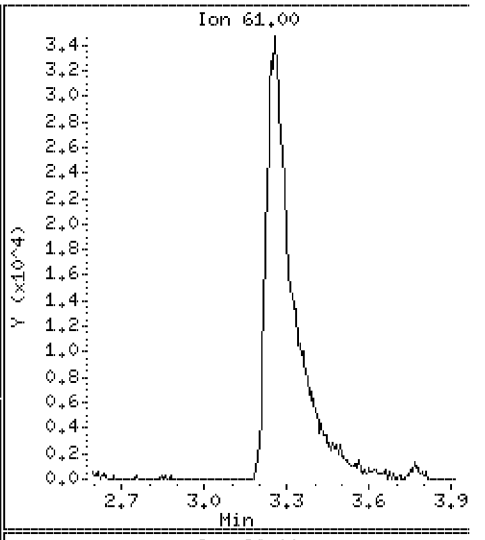
13 1,1-Dichloroethene Concentration: 95.6 ug/l

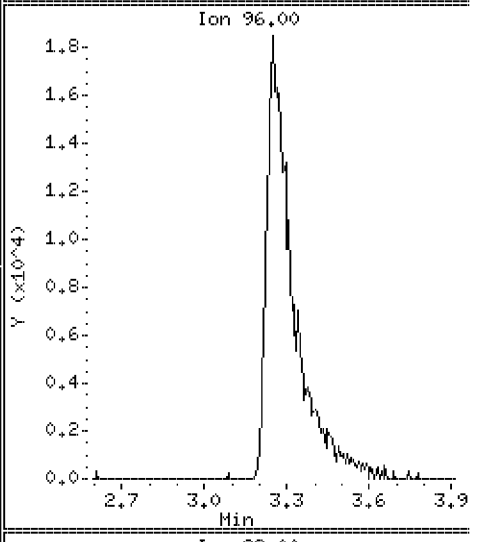


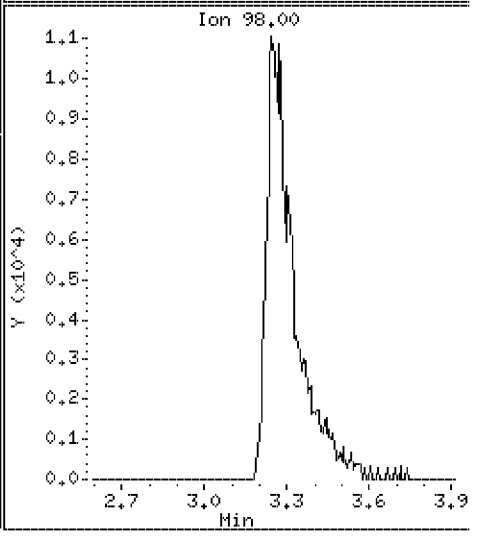












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

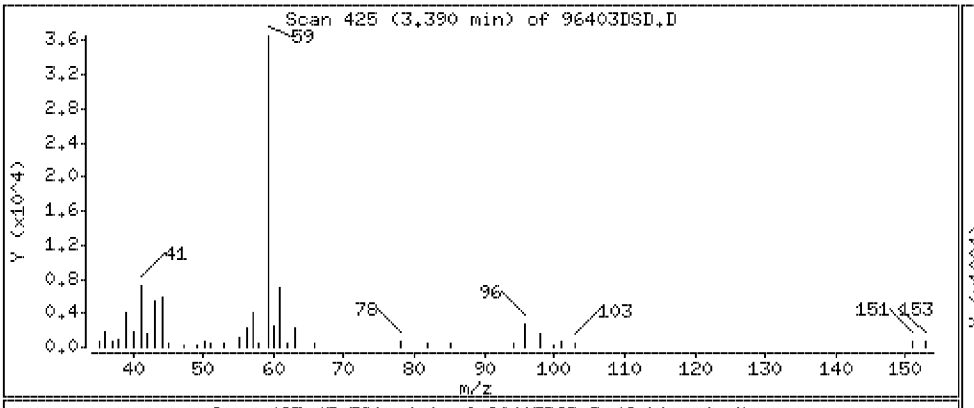
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

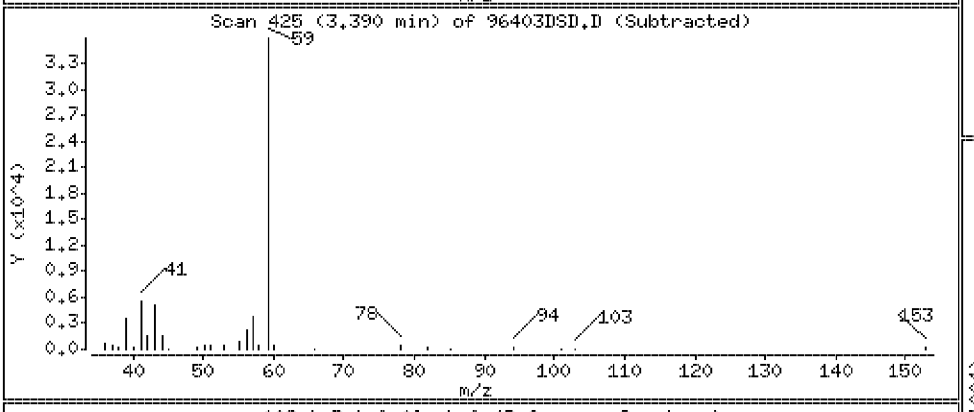
Sample Info: 250696403;2506964;5;

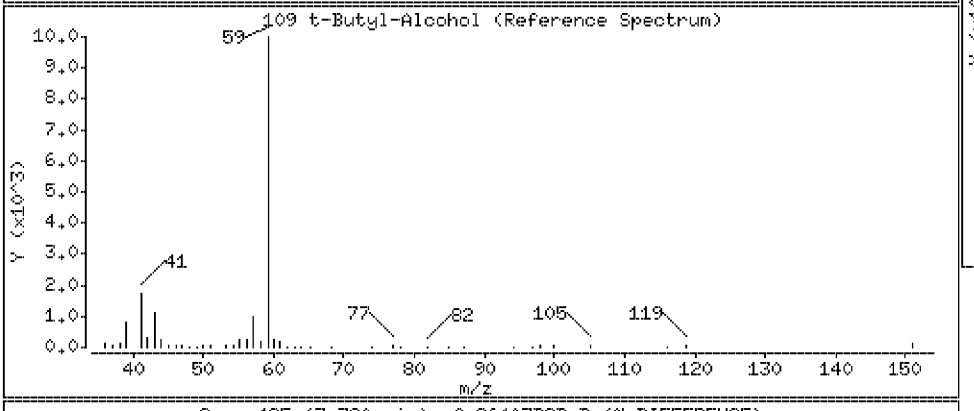
Purge Volume: 5.0 Operator:

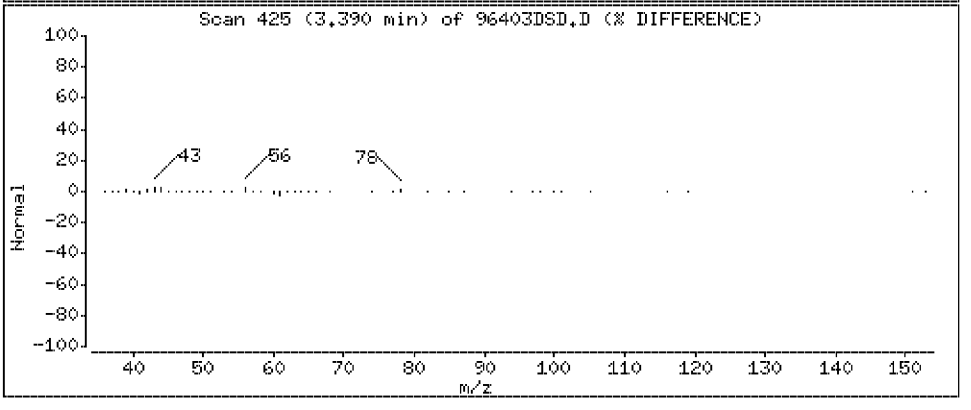
Column phase: DB-624 Column diameter: 0.18

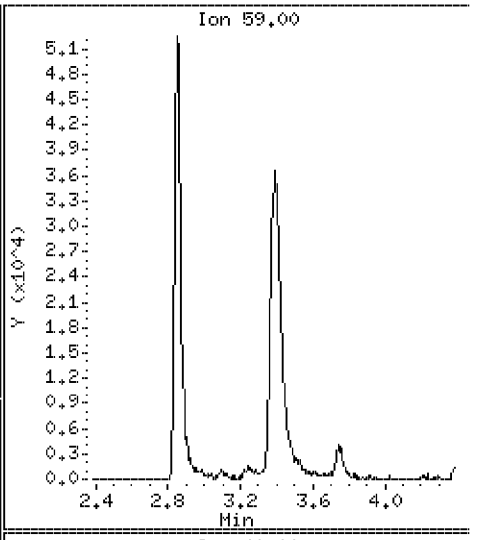
109 t-Butyl-Alcohol Concentration: 1100 ug/l

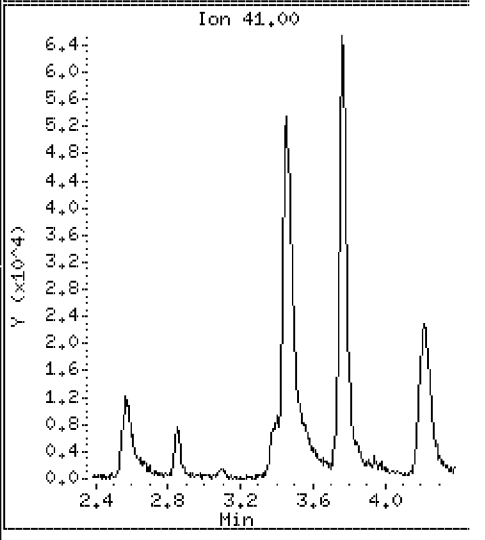












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Date : 15-JUN-2007 11:28

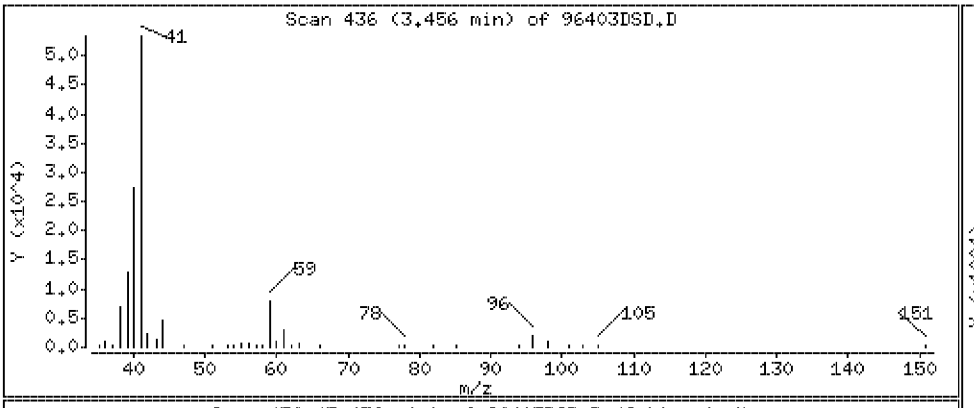
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

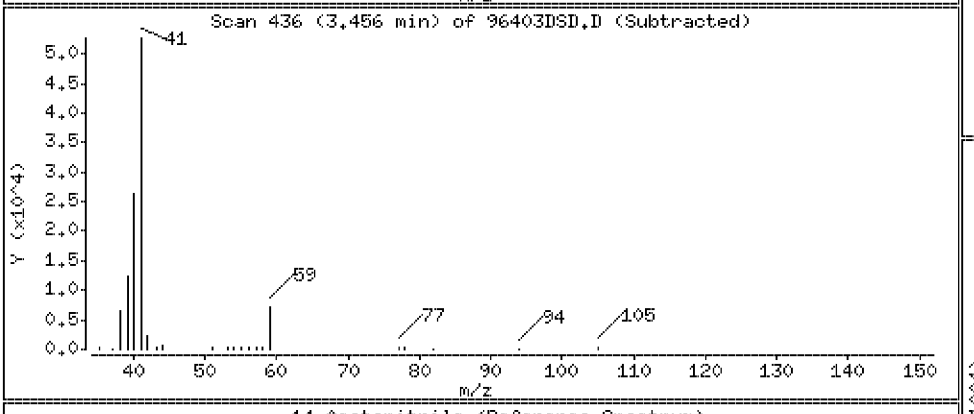
Sample Info: 250696403;2506964;5;

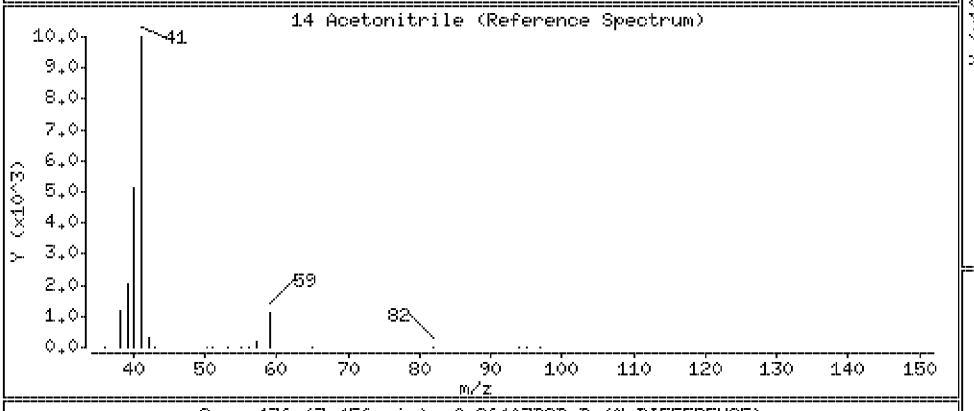
Purge Volume: 5.0 Operator:

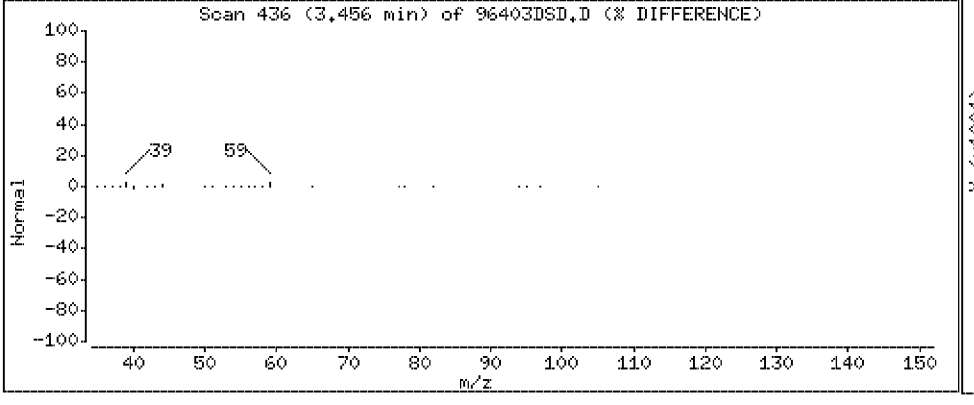
Column phase: DB-624 Column diameter: 0.18

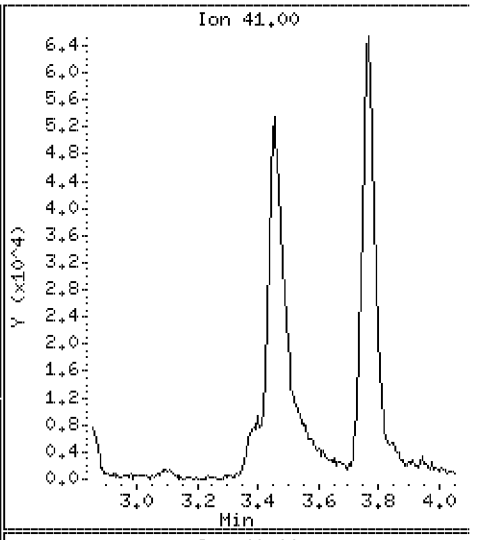
14 Acetonitrile Concentration: 989 ug/l

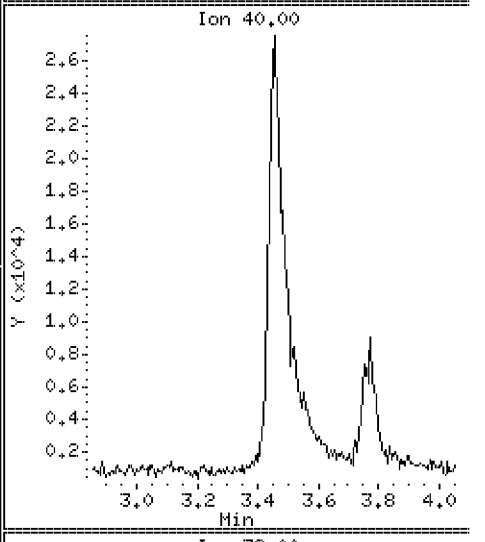


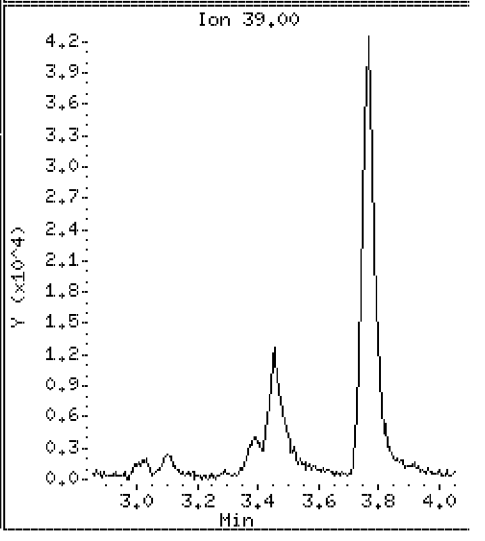












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Date : 15-JUN-2007 11:28

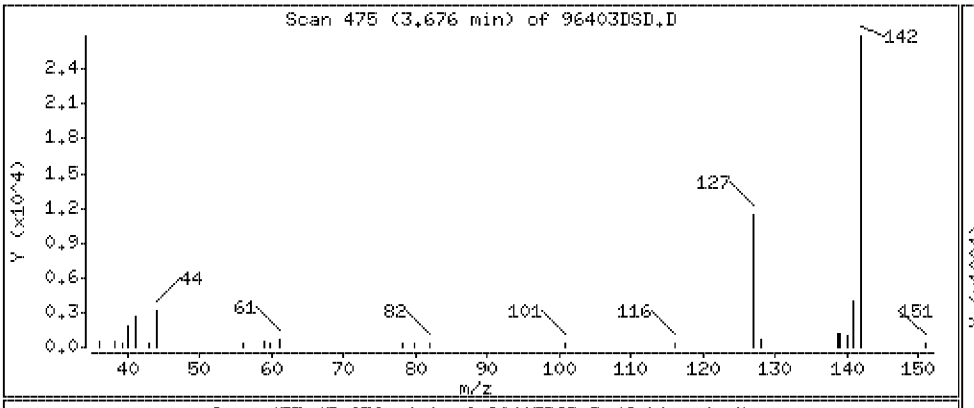
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

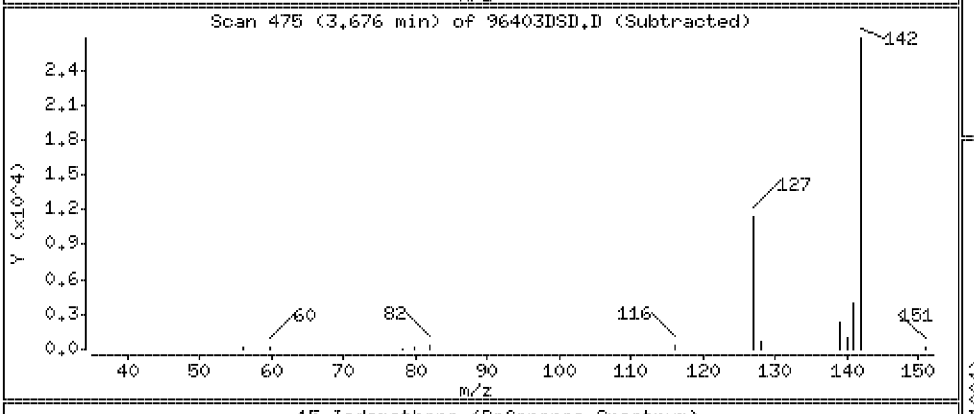
Sample Info: 250696403;2506964;5;

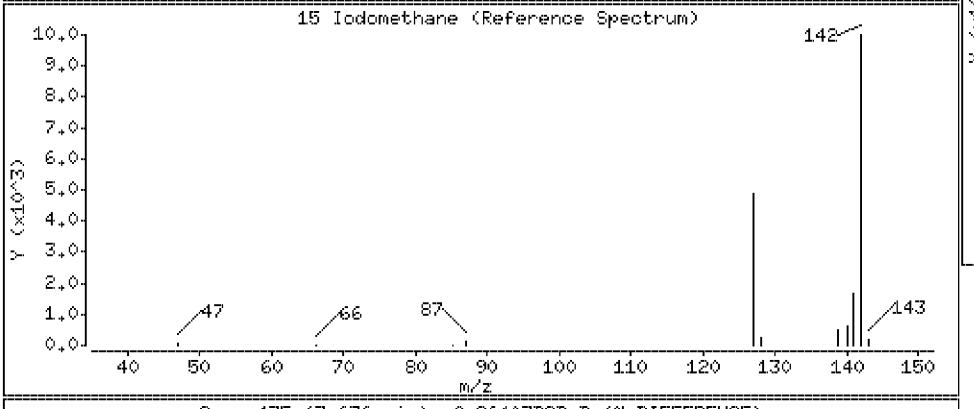
Purge Volume: 5.0 Operator:

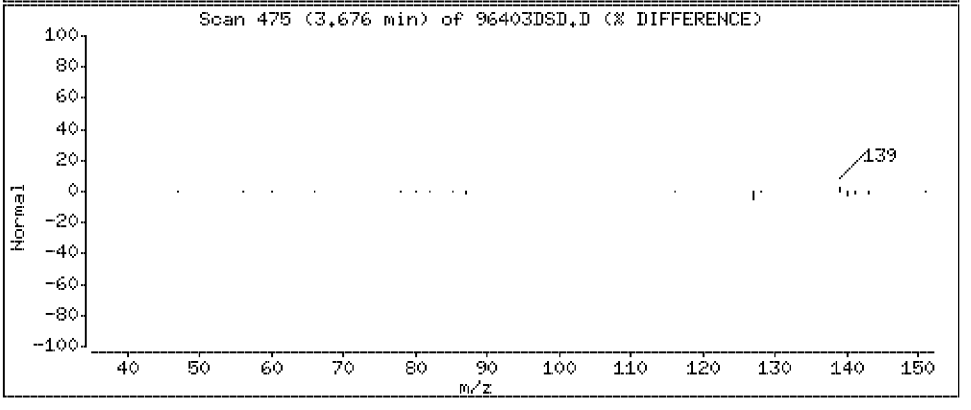
Column phase: DB-624 Column diameter: 0.18

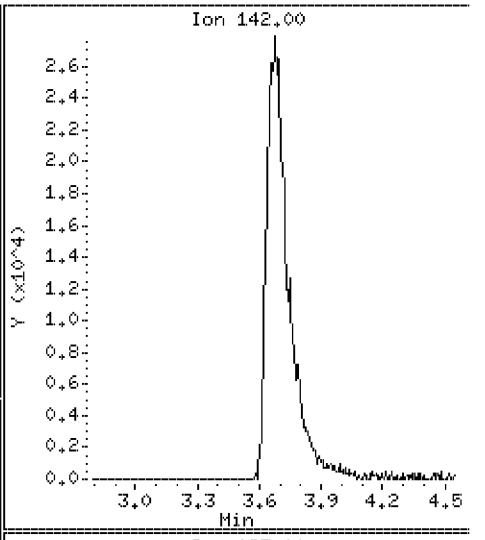
15 Iodomethane Concentration: 110 ug/l

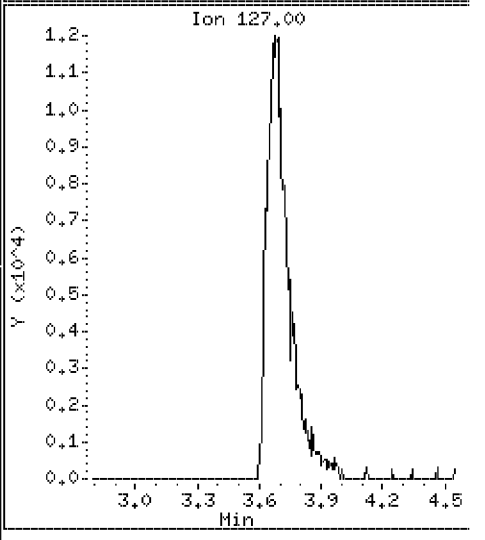












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Date : 15-JUN-2007 11:28

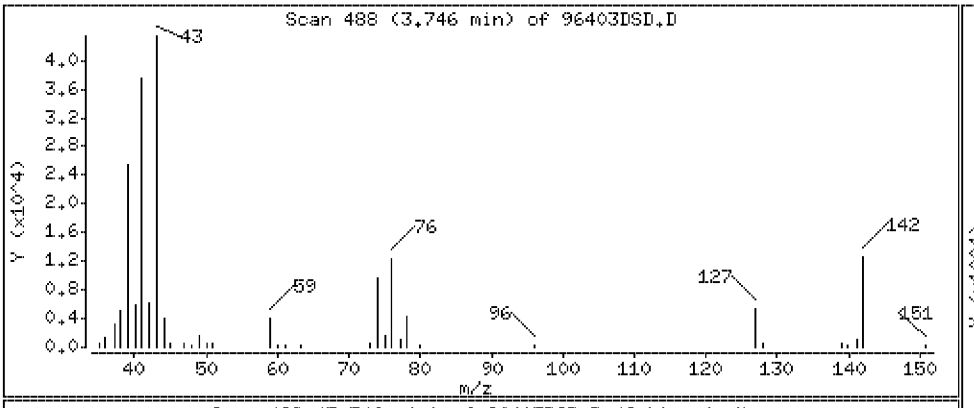
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

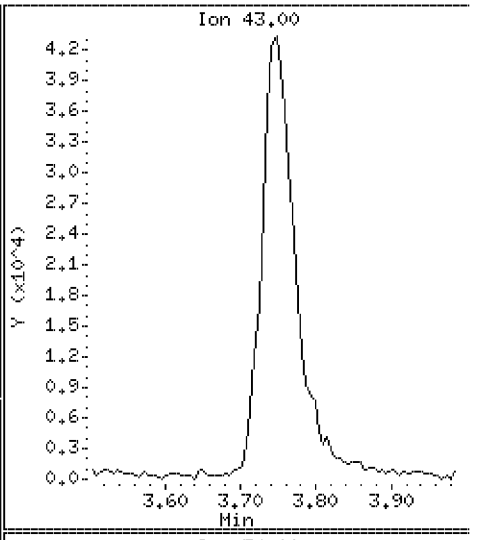
Sample Info: 250696403;2506964;5;

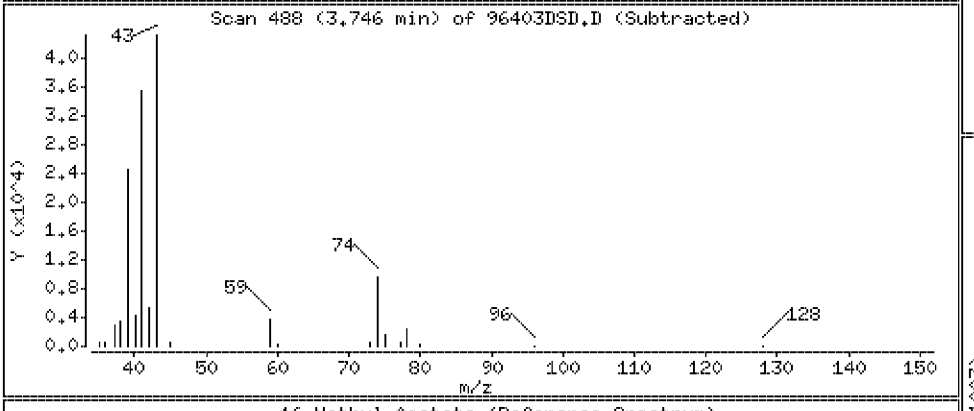
Purge Volume: 5.0 Operator:

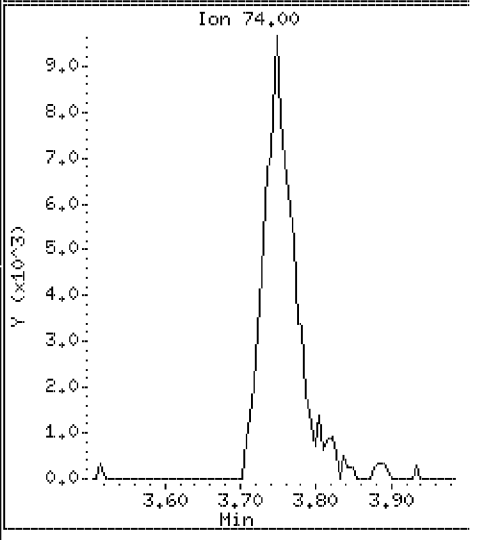
Column phase: DB-624 Column diameter: 0.18

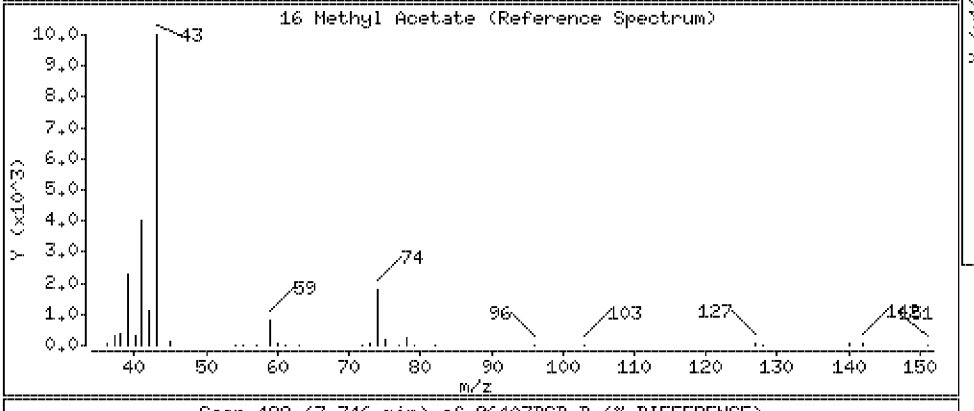
16 Methyl Acetate Concentration: 97.9 ug/l

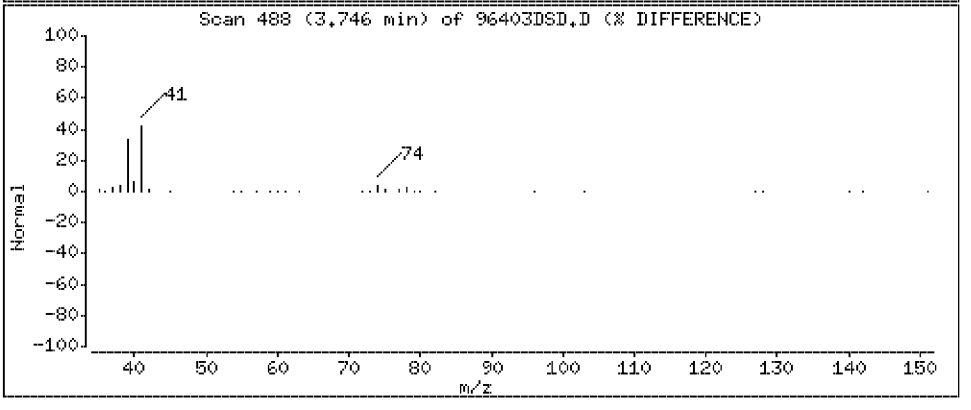












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

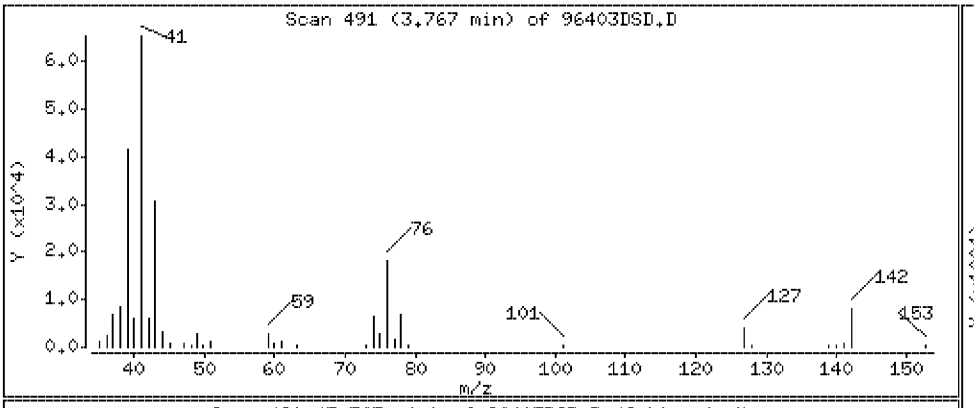
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

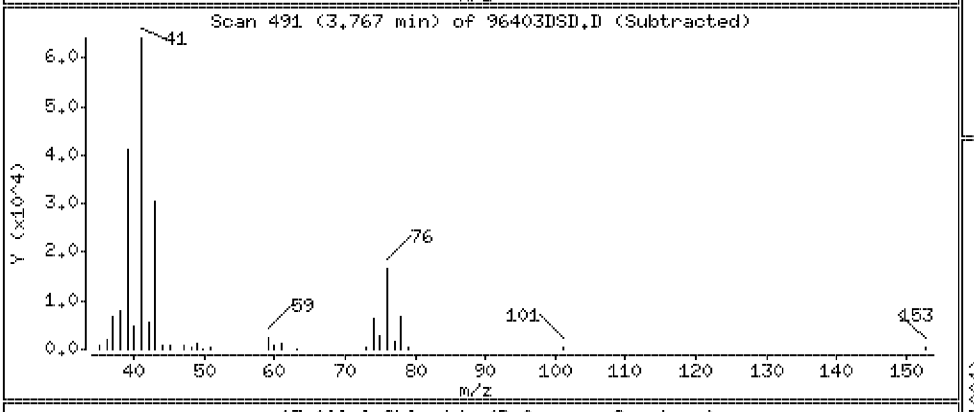
Sample Info: 250696403;2506964;5;

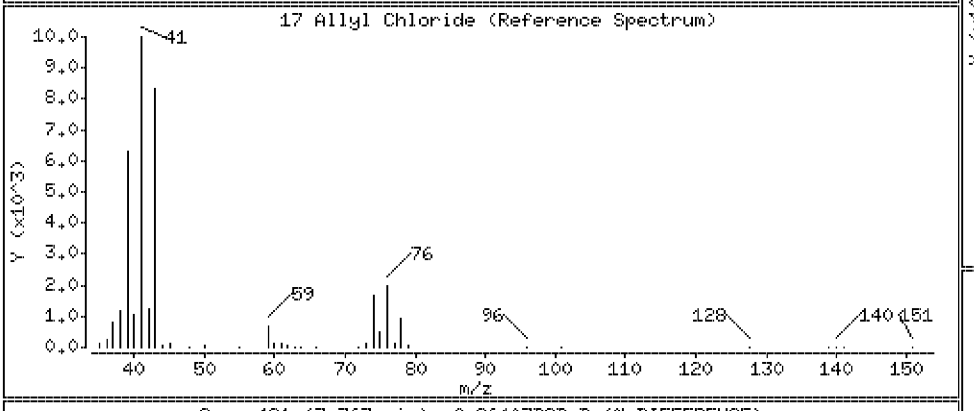
Purge Volume: 5.0 Operator:

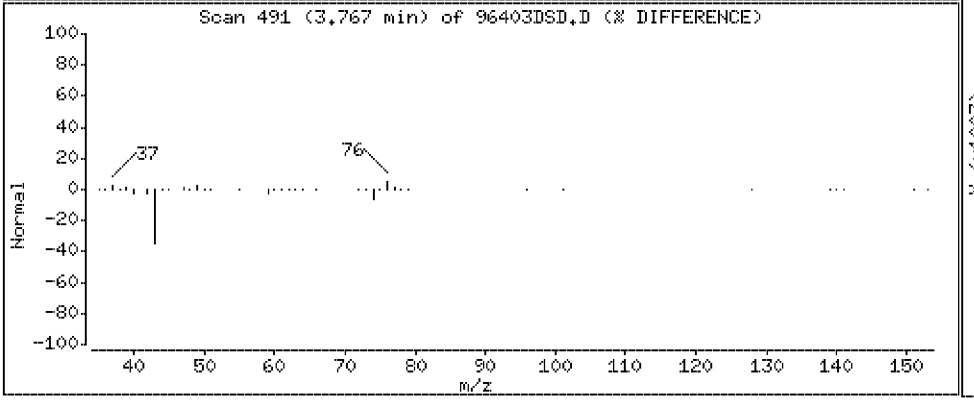
Column phase: DB-624 Column diameter: 0.18

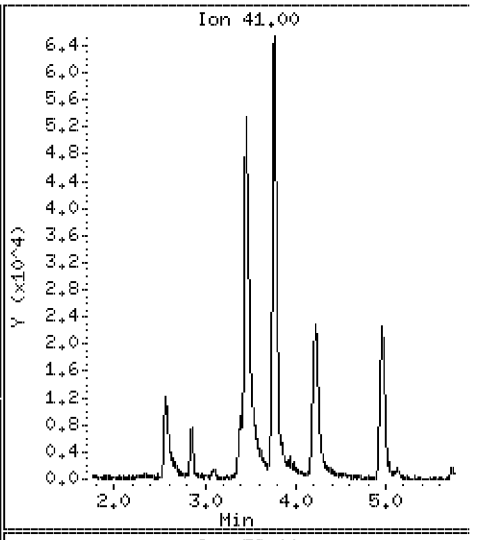
17 Allyl Chloride Concentration: 99.2 ug/l

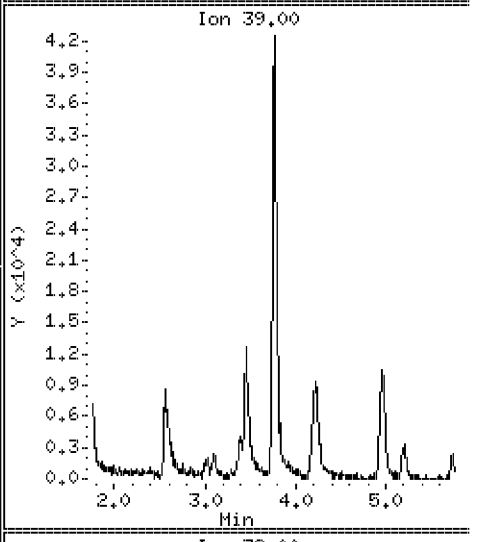


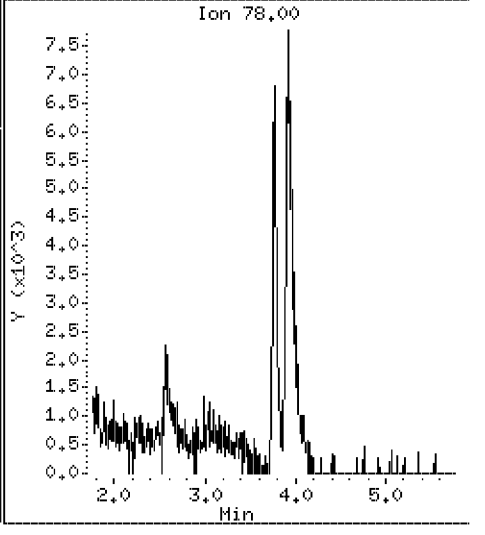












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

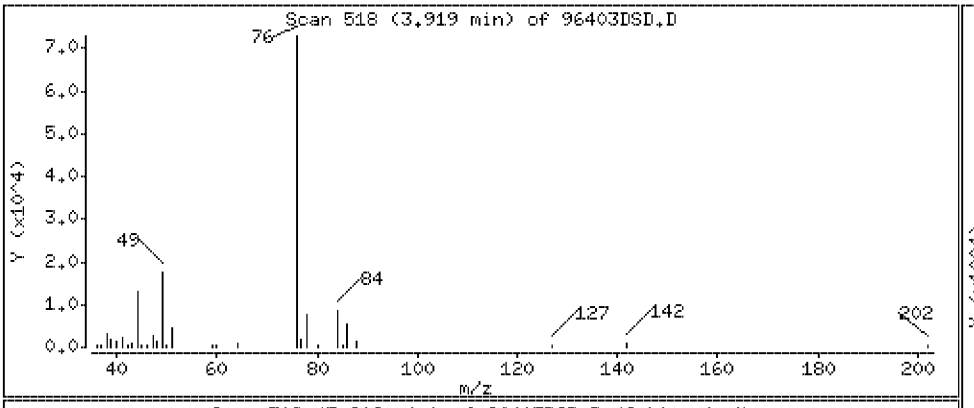
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

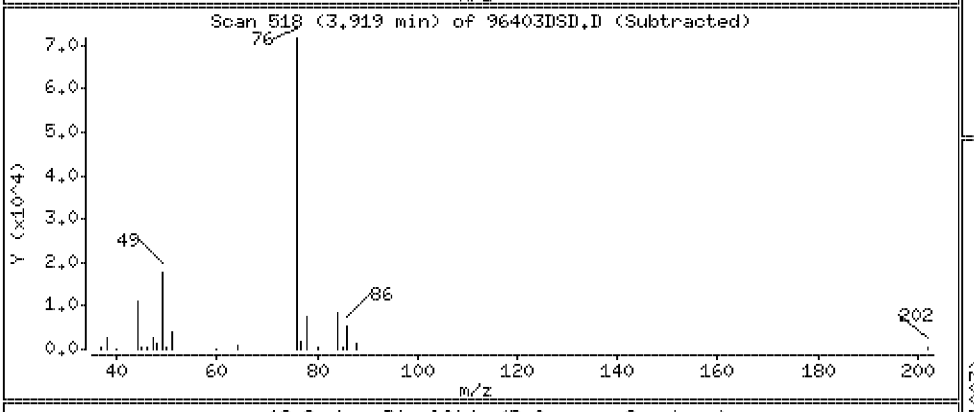
Sample Info: 250696403;2506964;5;

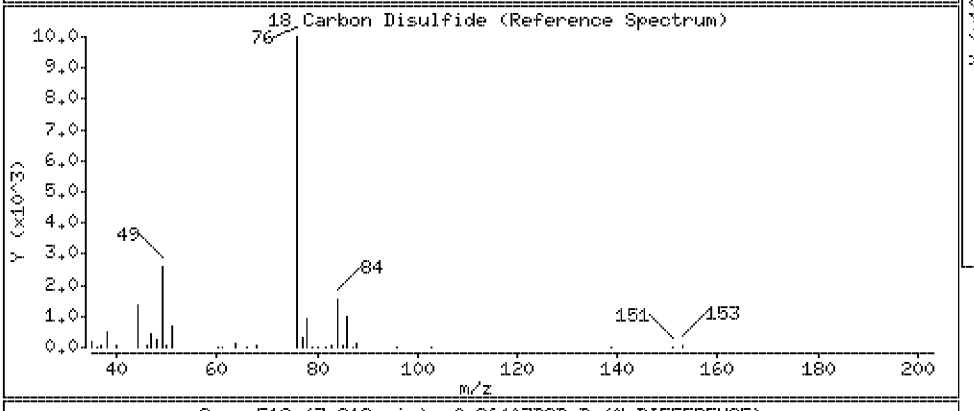
Purge Volume: 5.0 Operator:

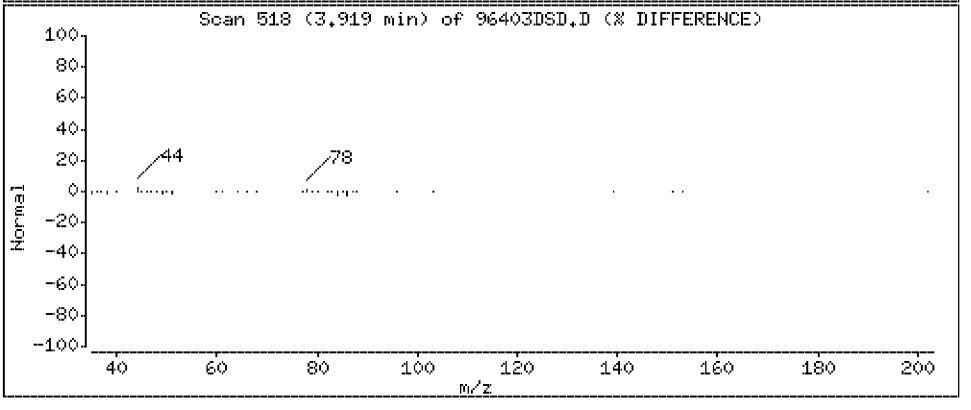
Column phase: DB-624 Column diameter: 0.18

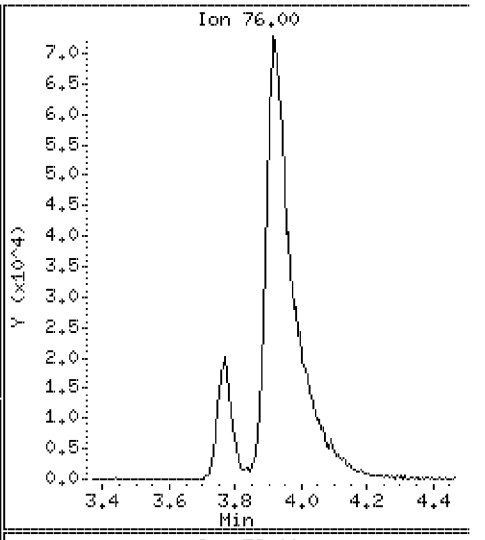
18 Carbon Disulfide Concentration: 95.7 ug/l

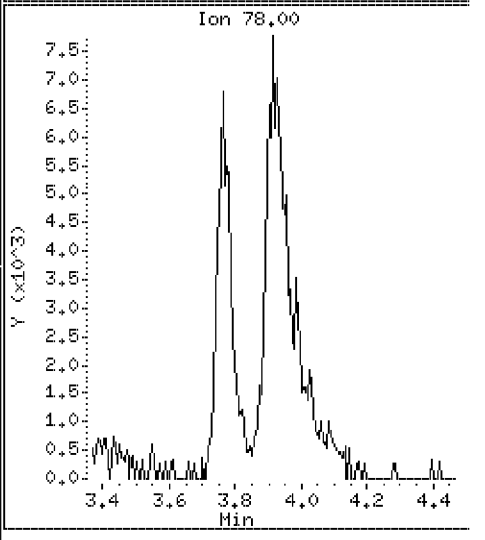












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

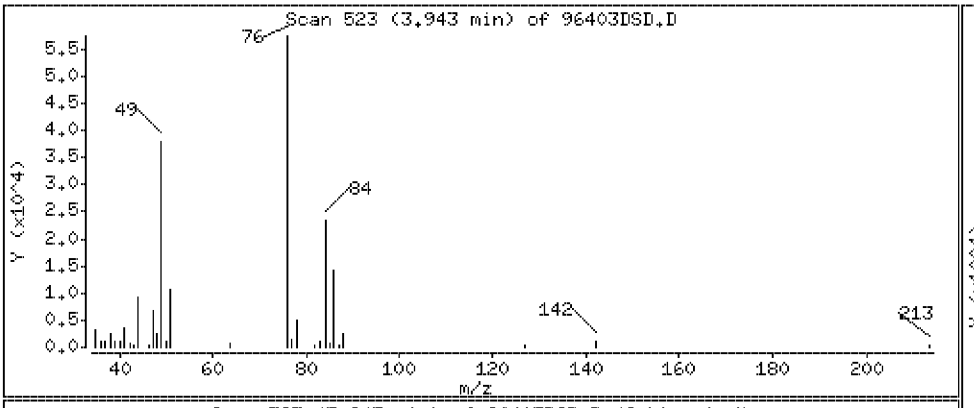
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

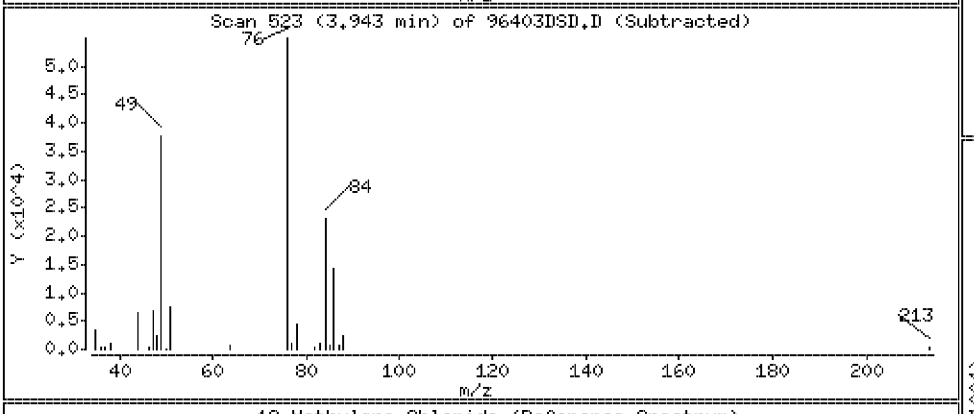
Sample Info: 250696403;2506964;5;

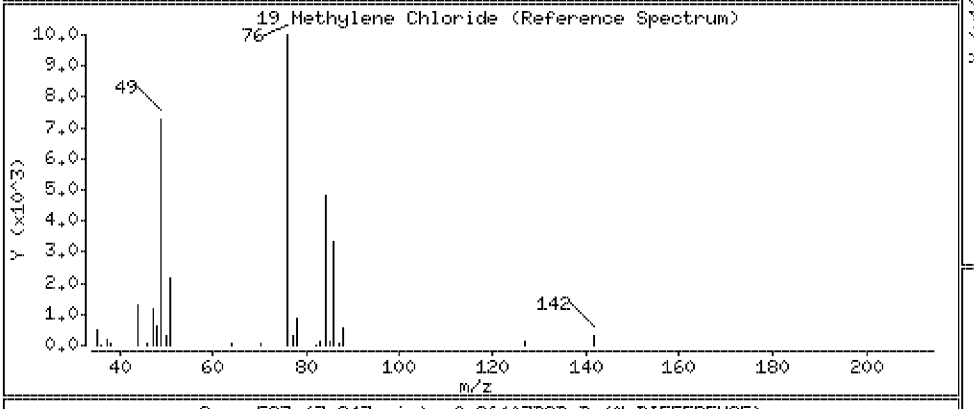
Purge Volume: 5.0 Operator:

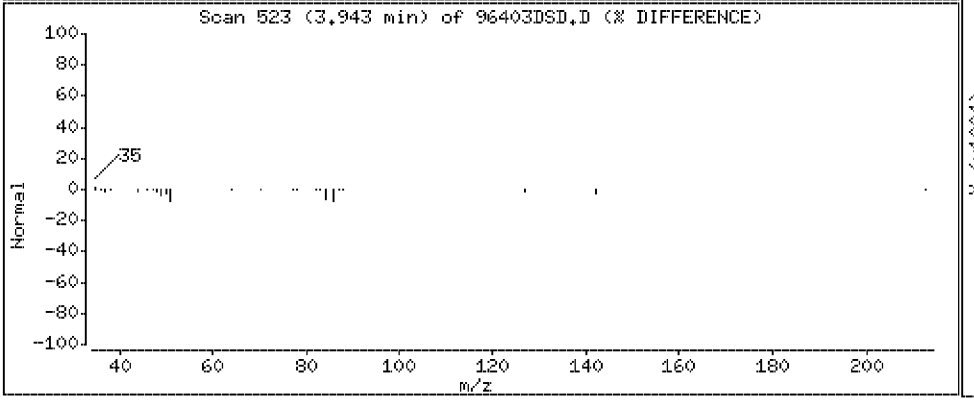
Column phase: DB-624 Column diameter: 0.18

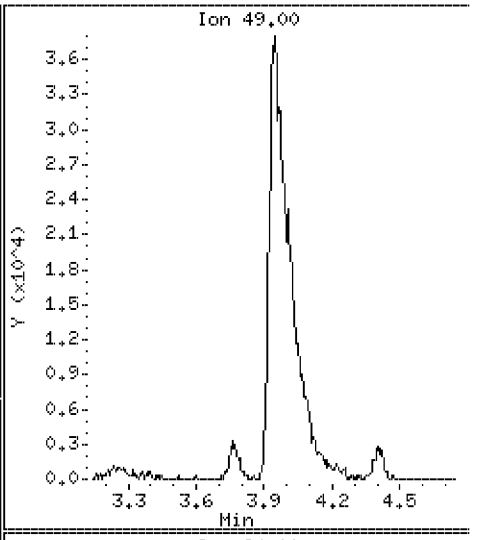
19 Methylene Chloride Concentration: 95.2 ug/l

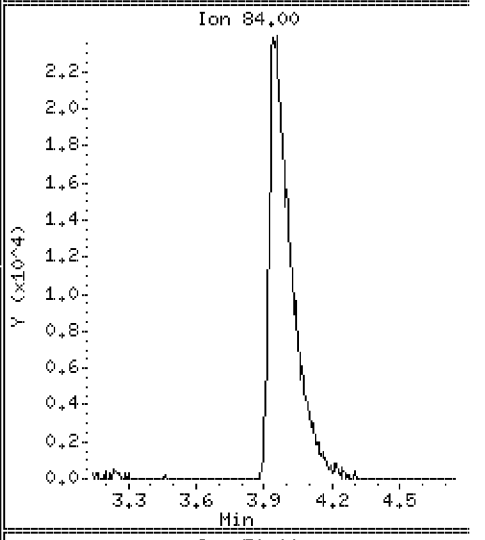


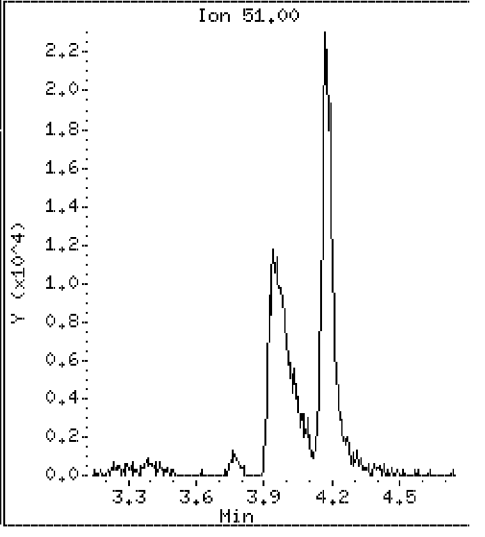












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

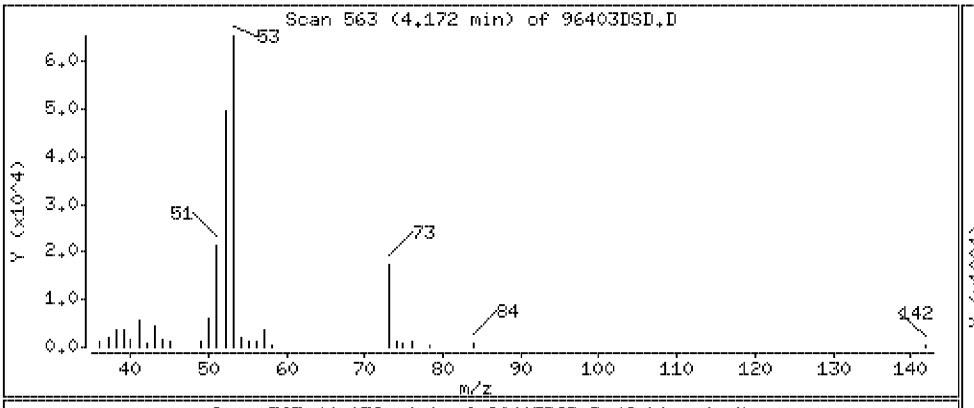
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

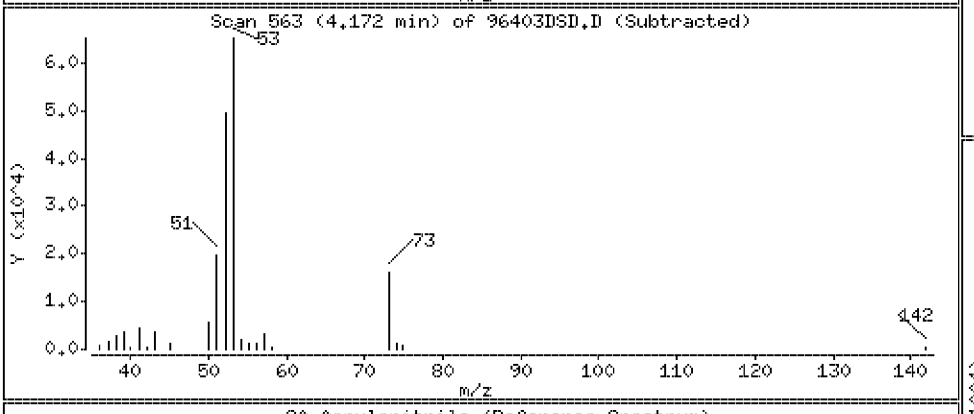
Sample Info: 250696403;2506964;5;

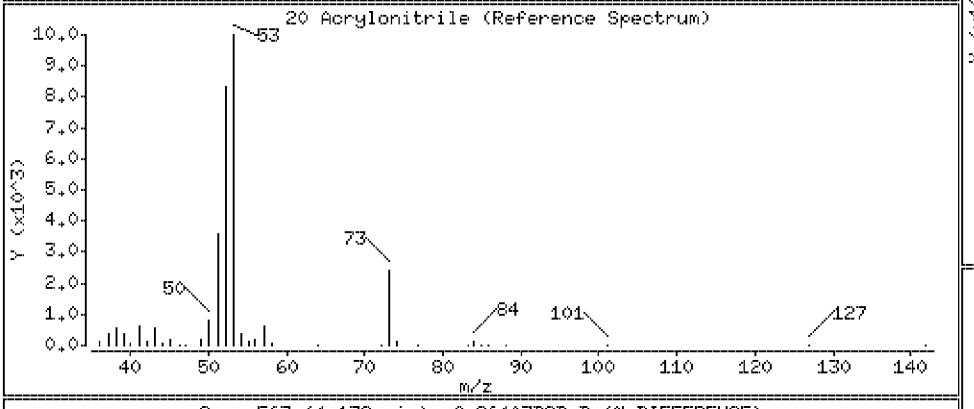
Purge Volume: 5.0 Operator:

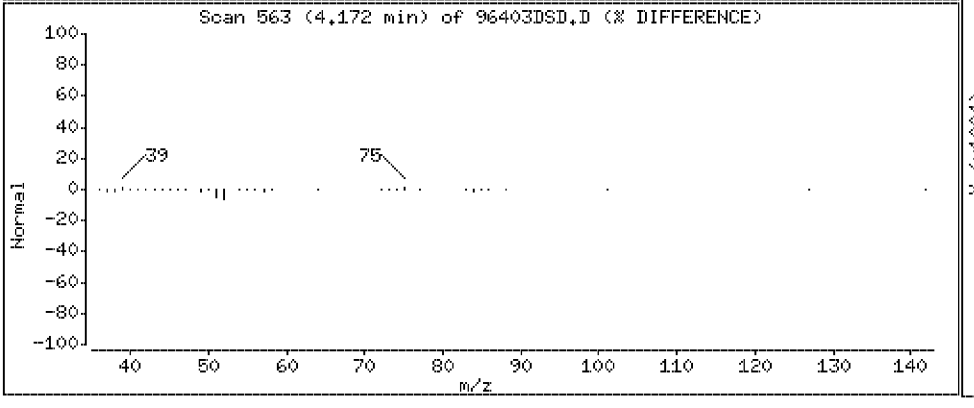
Column phase: DB-624 Column diameter: 0.18

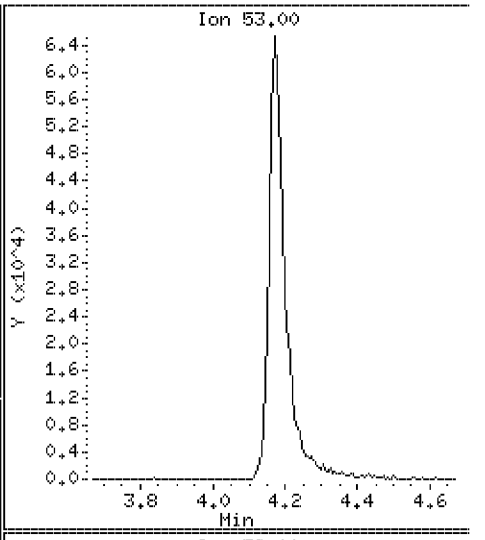
20 Acrylonitrile Concentration: 314 ug/l

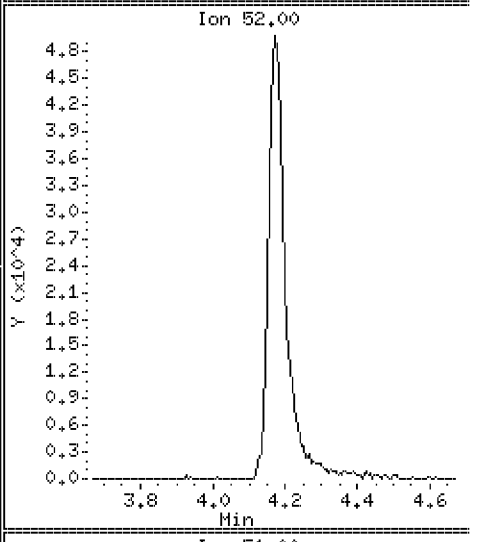


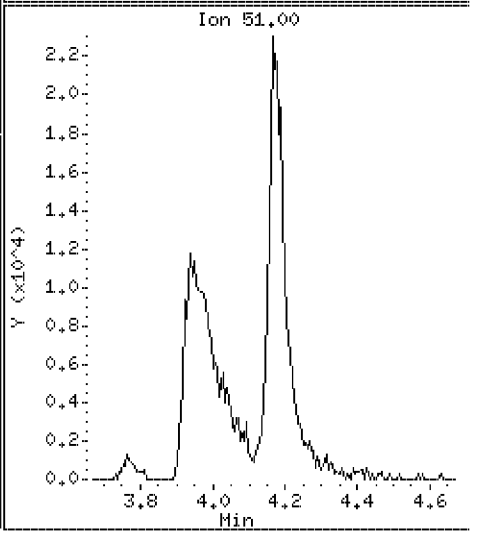












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

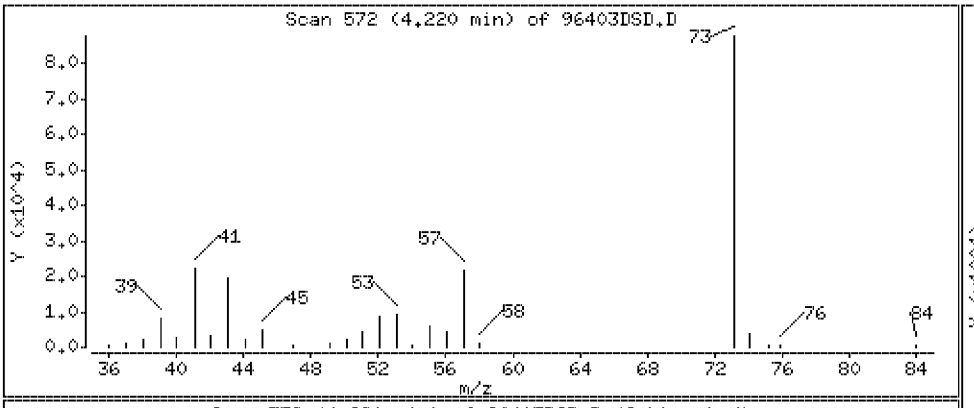
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

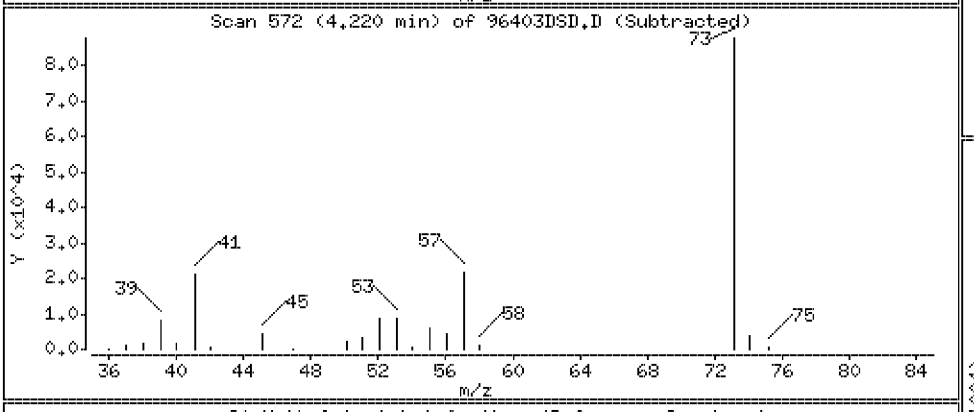
Sample Info: 250696403;2506964;5;

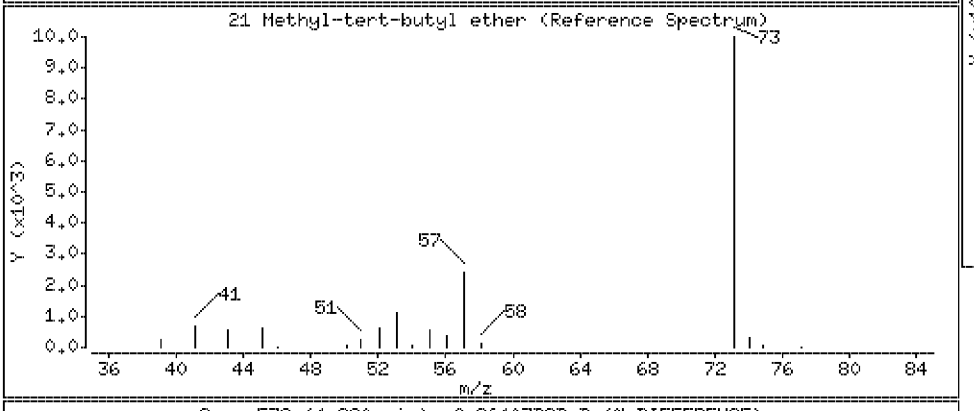
Purge Volume: 5.0 Operator:

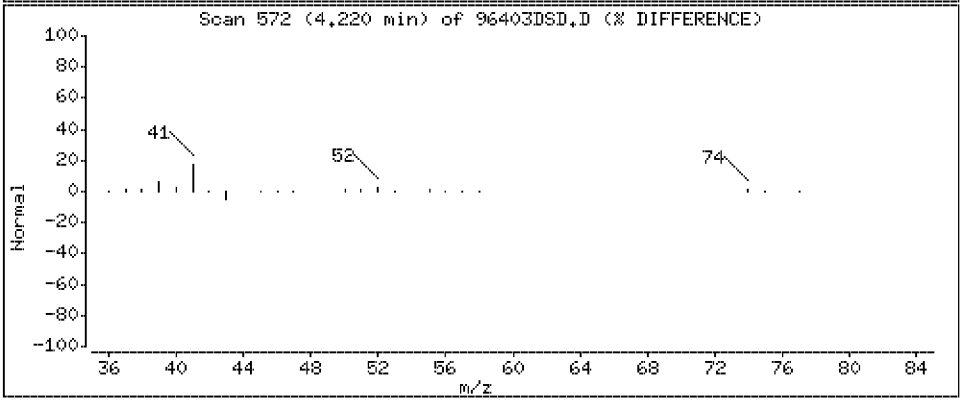
Column phase: DB-624 Column diameter: 0.18

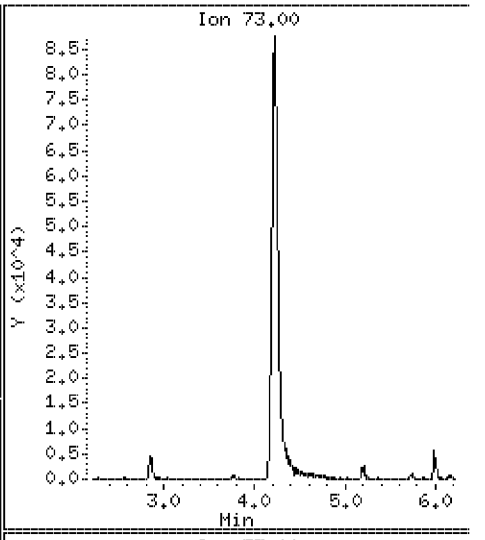
21 Methyl-tert-butyl ether Concentration: 111 ug/l

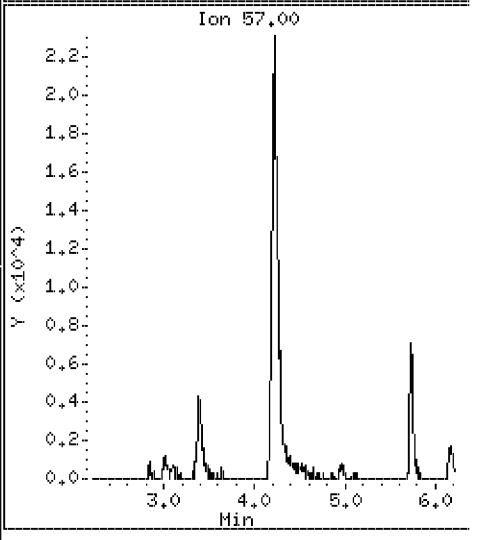












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Date : 15-JUN-2007 11:28

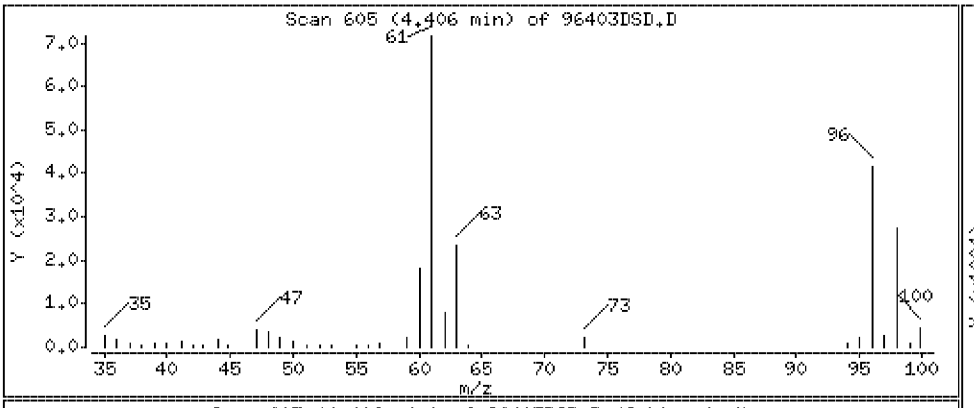
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

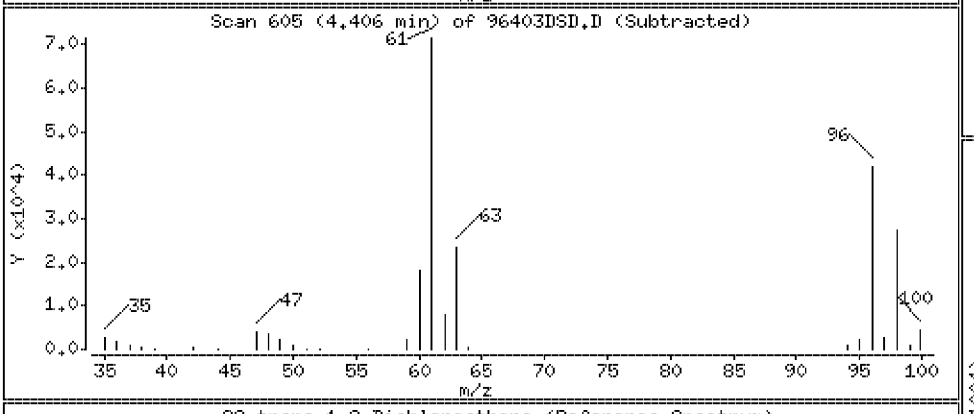
Sample Info: 250696403;2506964;5;

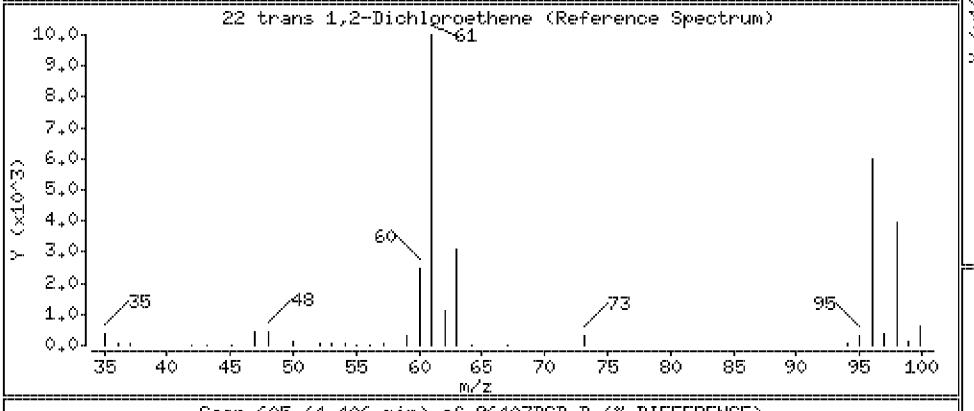
Purge Volume: 5.0 Operator:

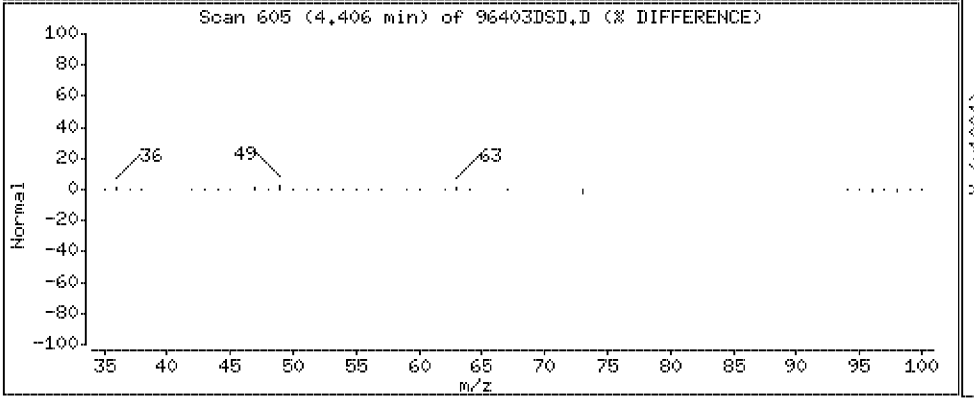
Column phase: DB-624 Column diameter: 0.18

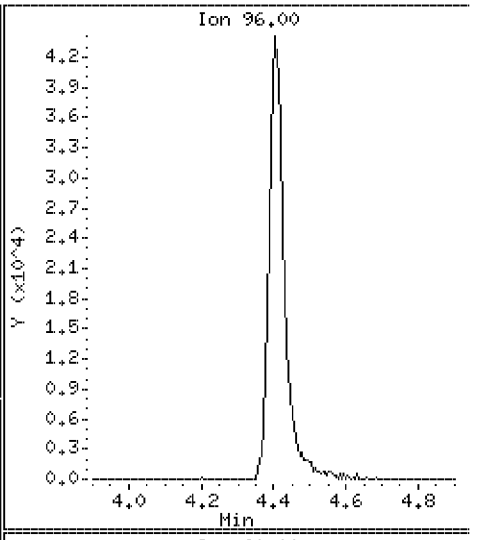
22 trans 1,2-Dichloroethene Concentration: 99.7 ug/l

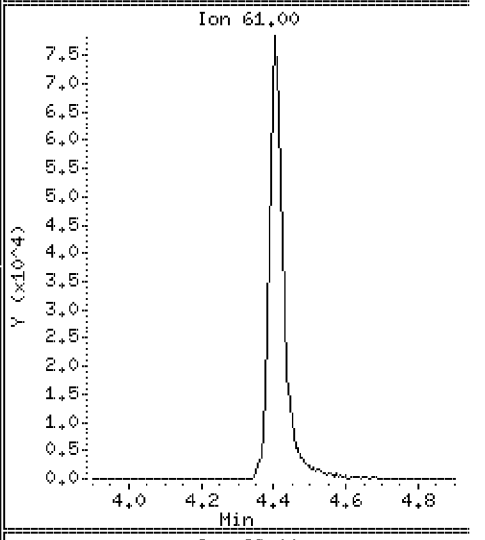


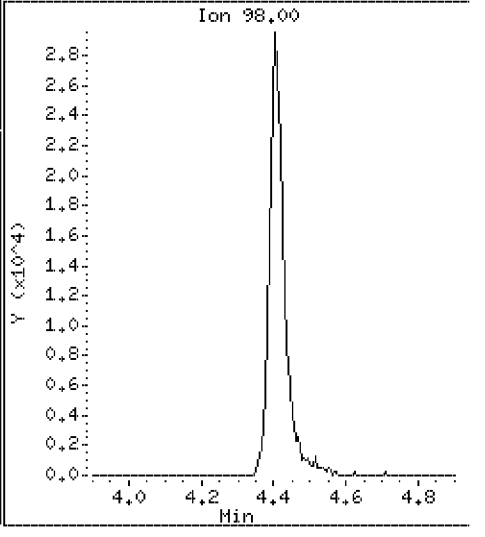












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

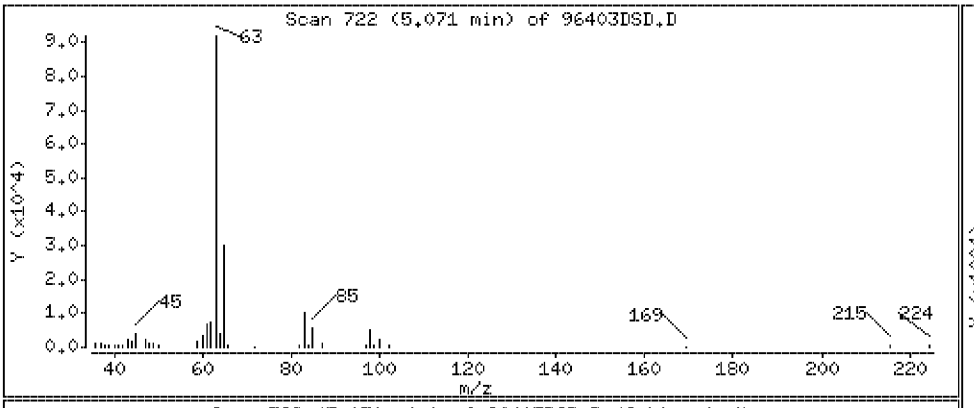
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

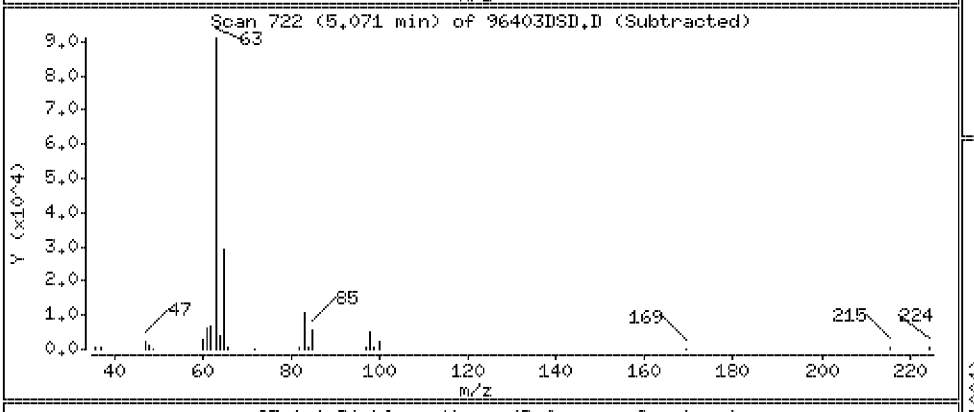
Sample Info: 250696403;2506964;5;

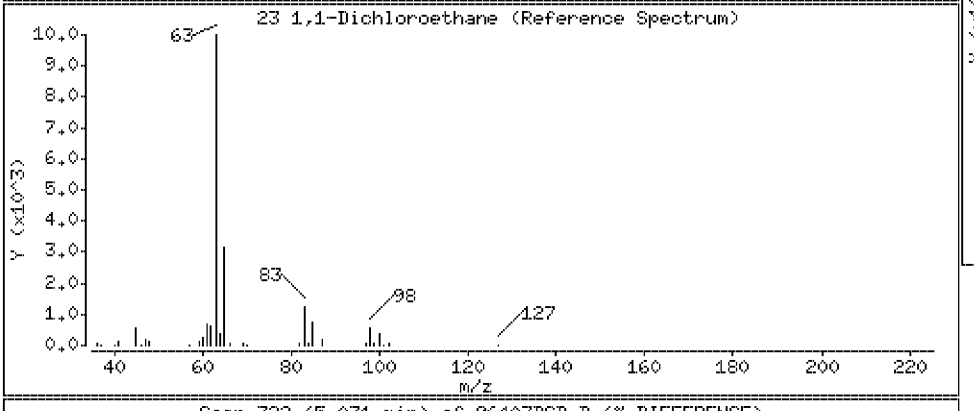
Purge Volume: 5.0 Operator:

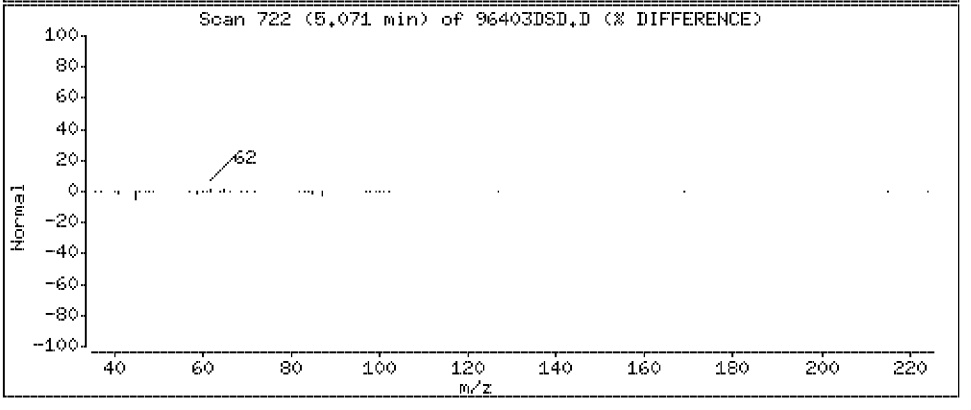
Column phase: DB-624 Column diameter: 0.18

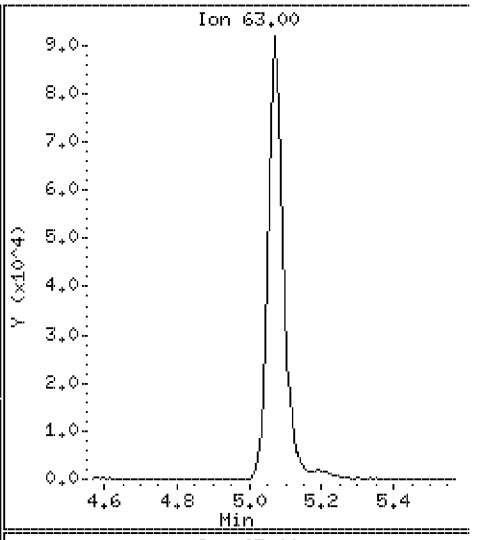
23 1,1-Dichloroethane Concentration: 98.1 ug/l

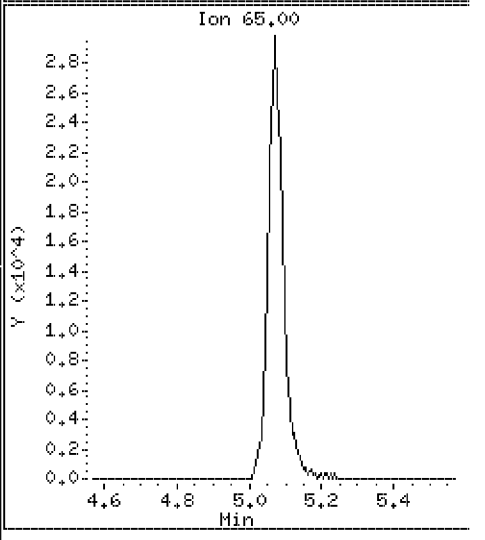












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Date : 15-JUN-2007 11:28

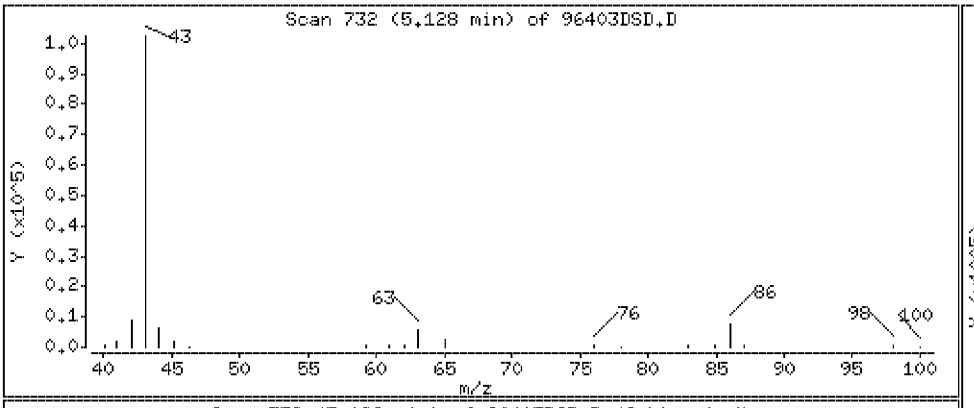
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

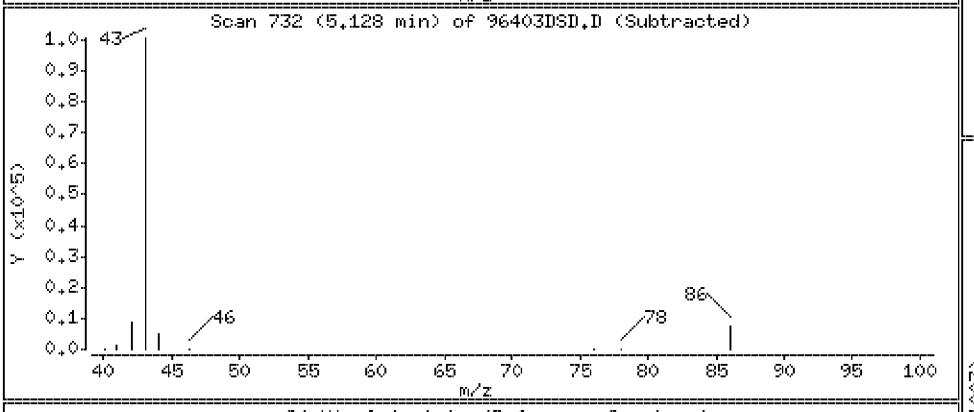
Sample Info: 250696403;2506964;5;

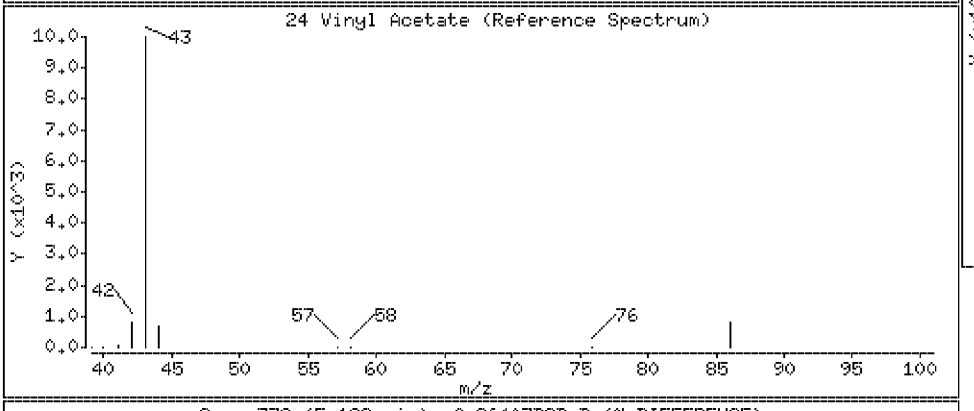
Purge Volume: 5.0 Operator:

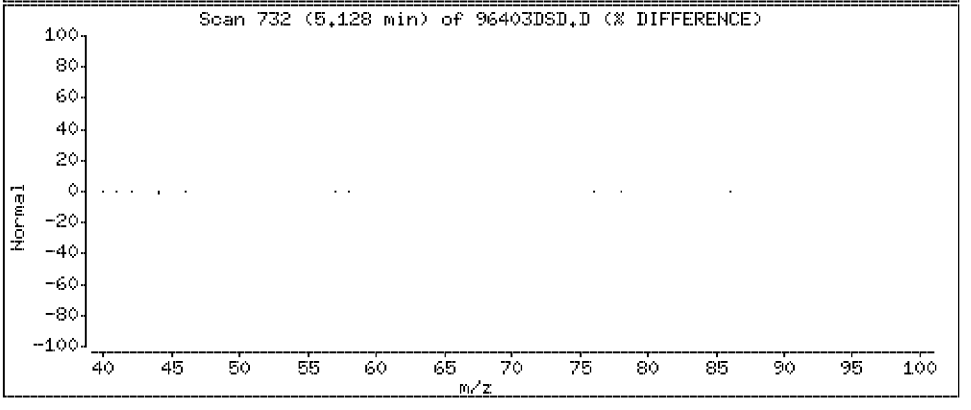
Column phase: DB-624 Column diameter: 0.18

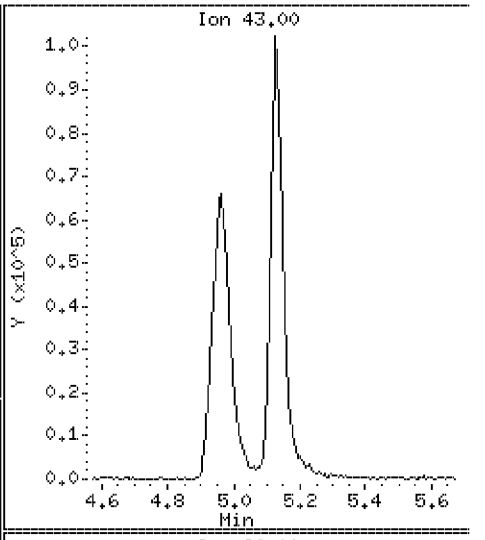
24 Vinyl Acetate Concentration: 105 ug/l

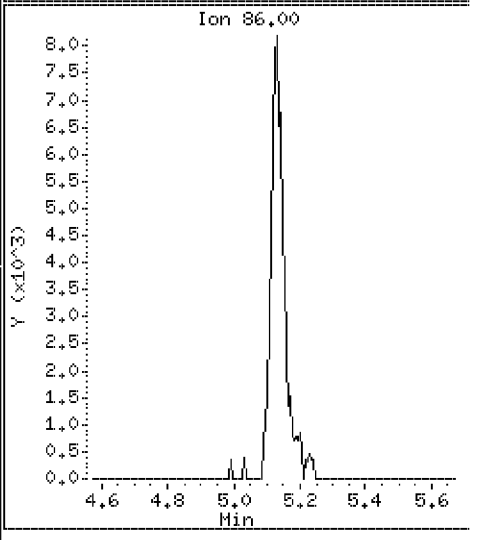












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

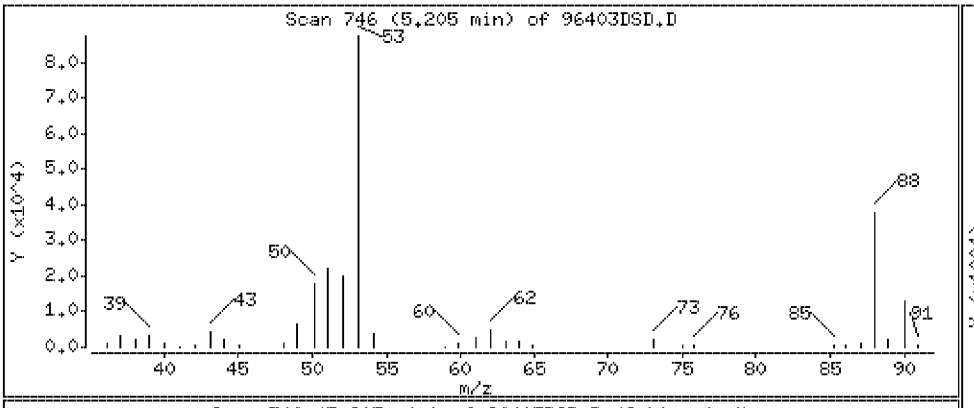
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

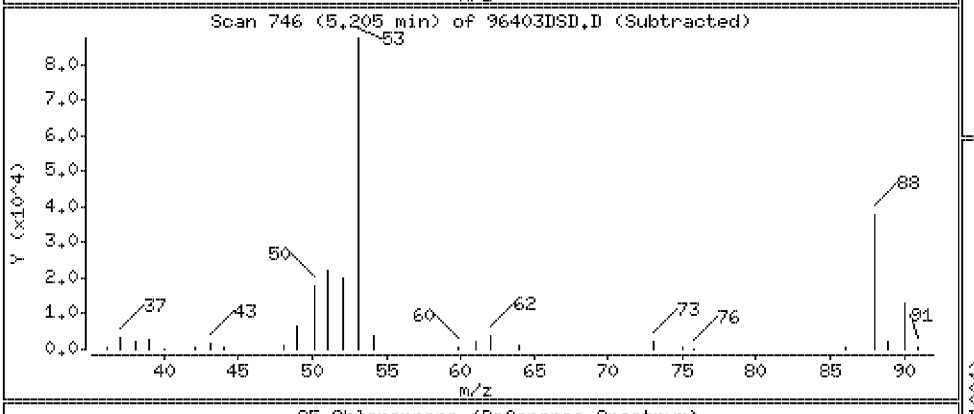
Sample Info: 250696403;2506964;5;

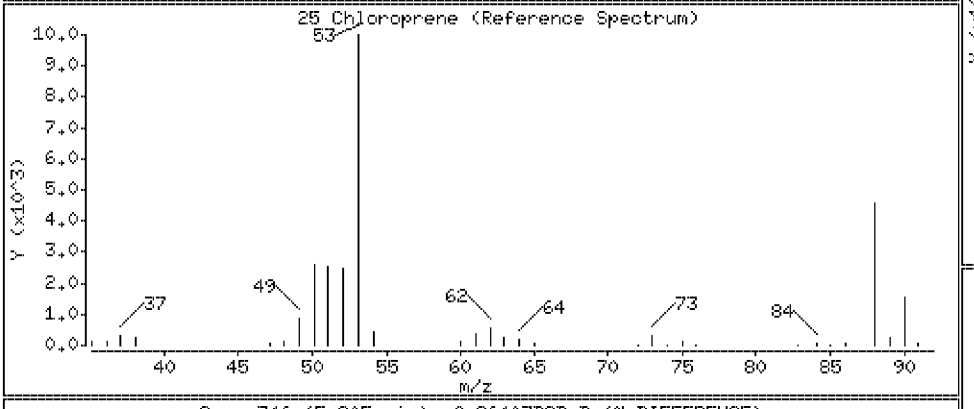
Purge Volume: 5.0 Operator:

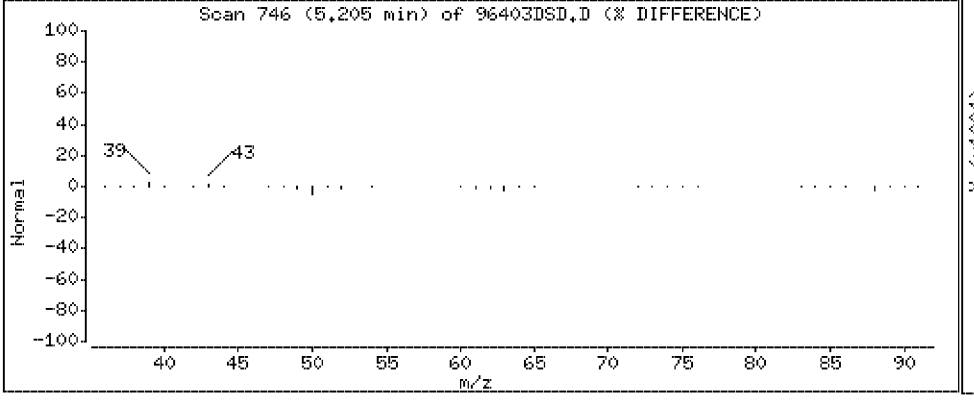
Column phase: DB-624 Column diameter: 0.18

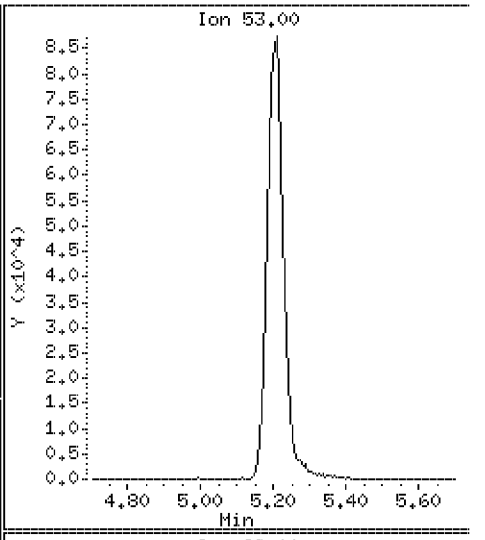
25 Chloroprene Concentration: 103 ug/l

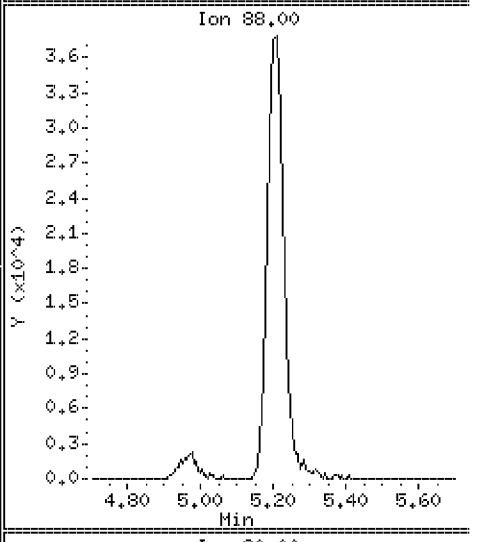


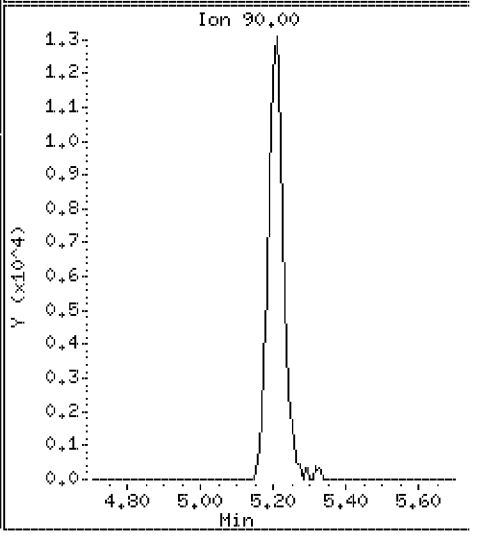












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

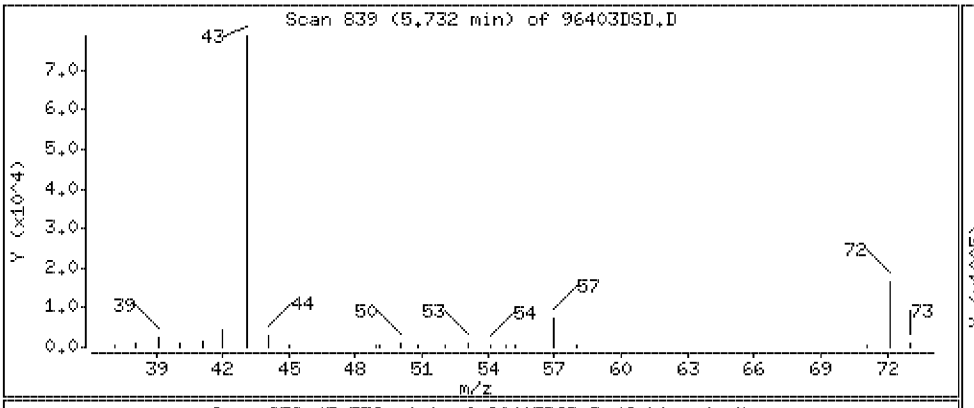
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

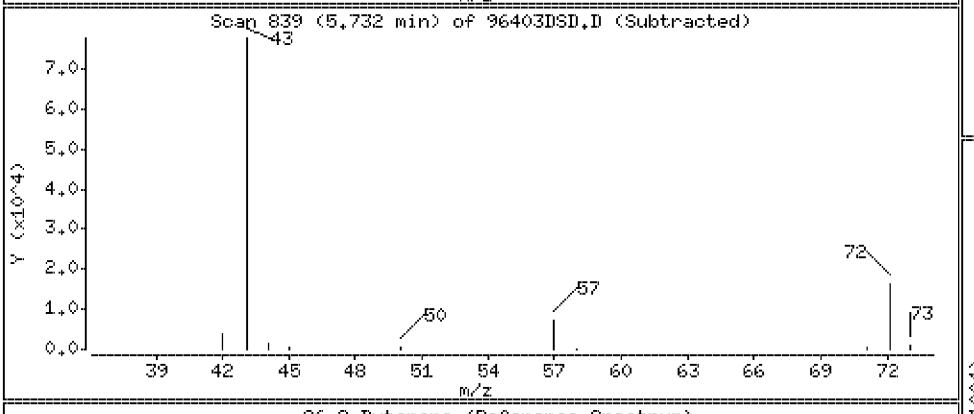
Sample Info: 250696403;2506964;5;

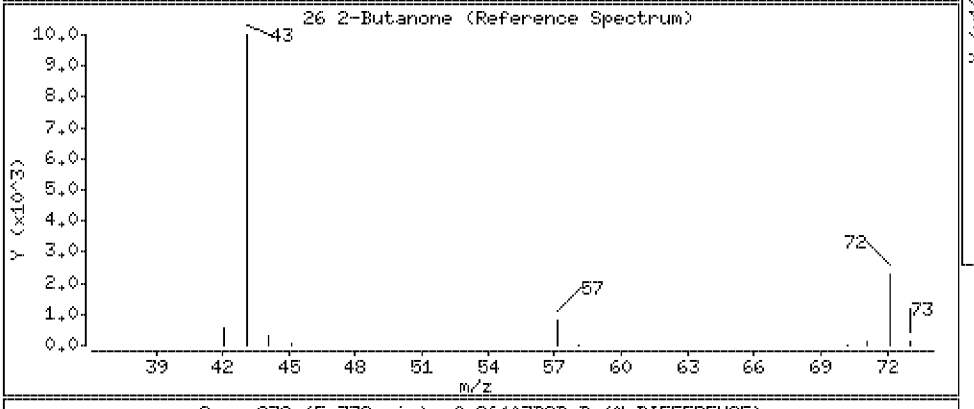
Purge Volume: 5.0 Operator:

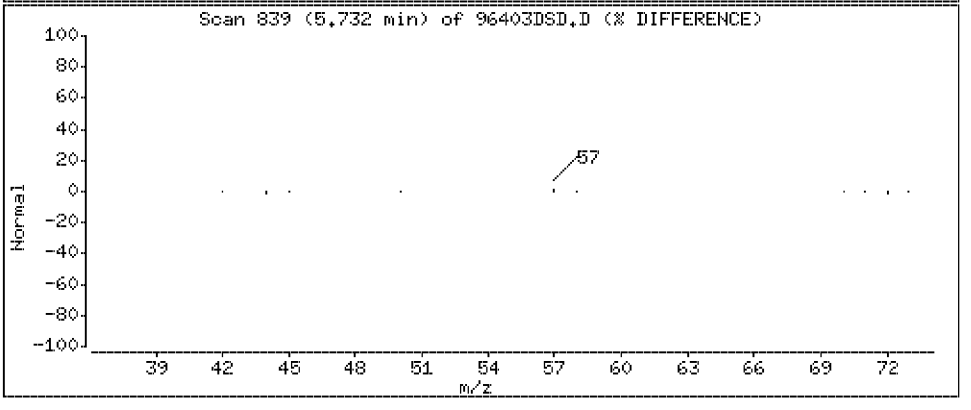
Column phase: DB-624 Column diameter: 0.18

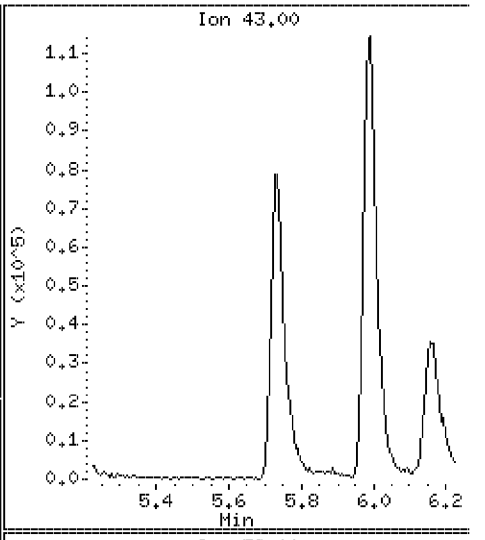
26 2-Butanone Concentration: 288 ug/l

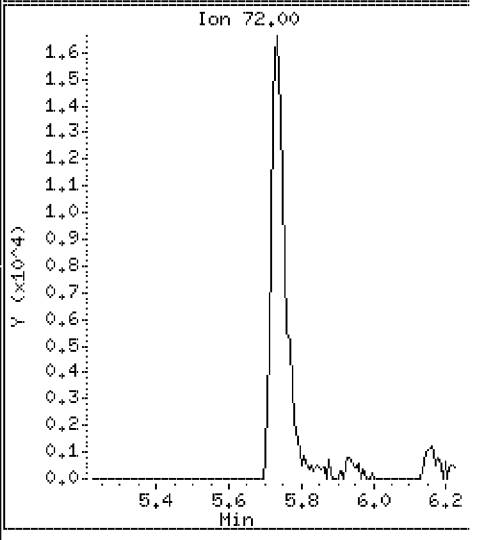












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

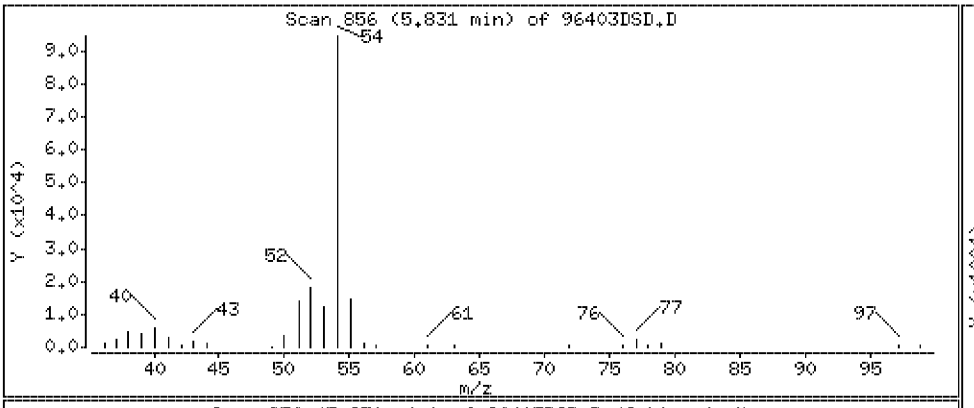
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

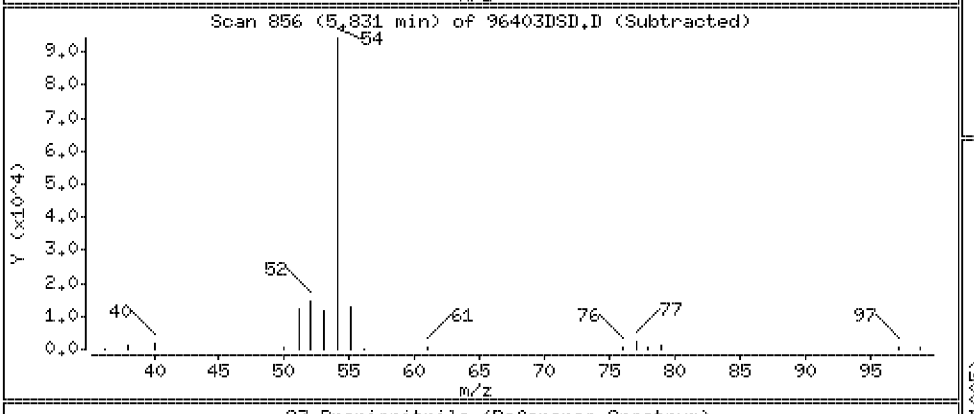
Sample Info: 250696403;2506964;5;

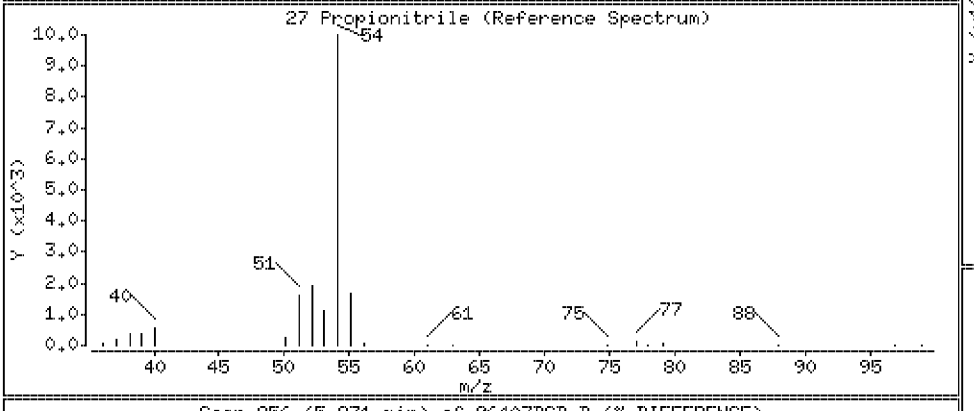
Purge Volume: 5.0 Operator:

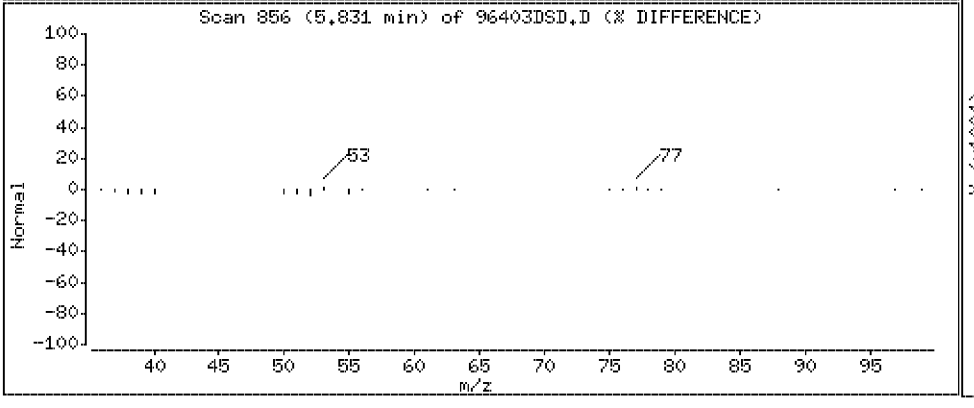
Column phase: DB-624 Column diameter: 0.18

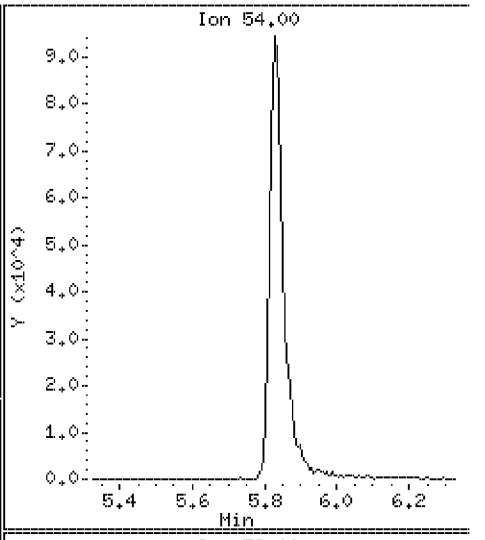
27 Propionitrile Concentration: 1080 ug/l

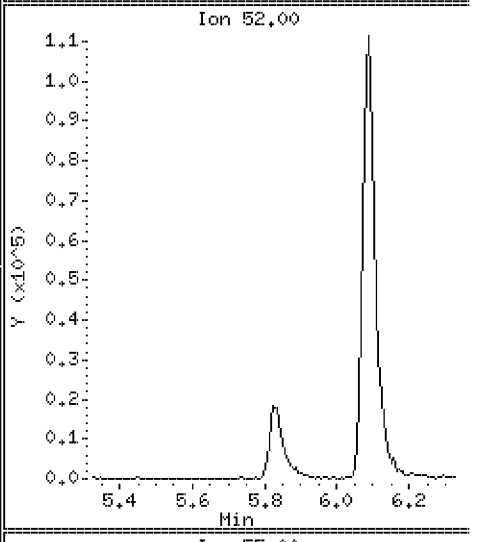


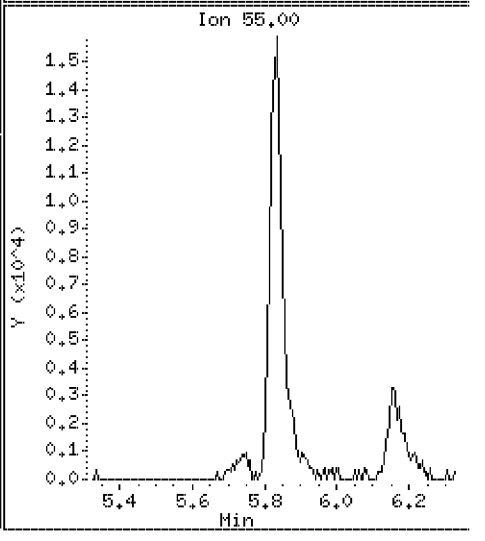












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

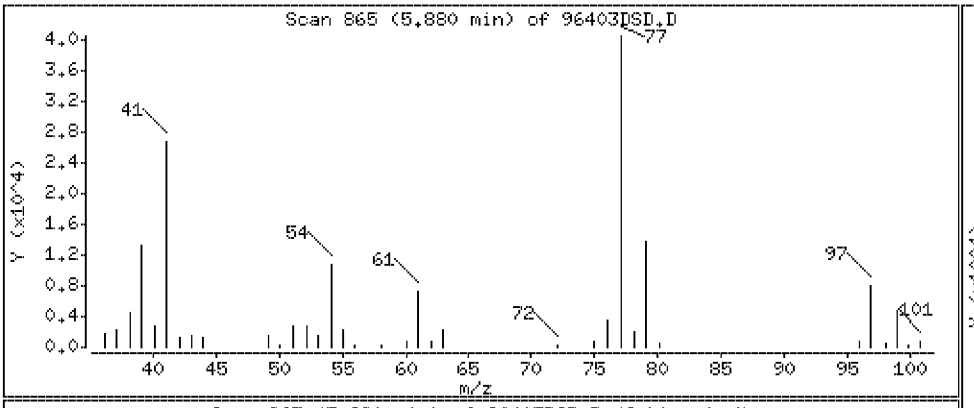
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

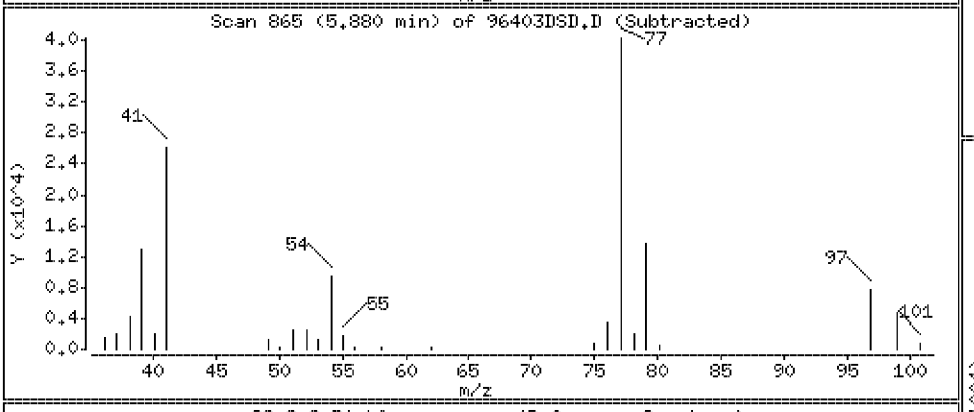
Sample Info: 250696403;2506964;5;

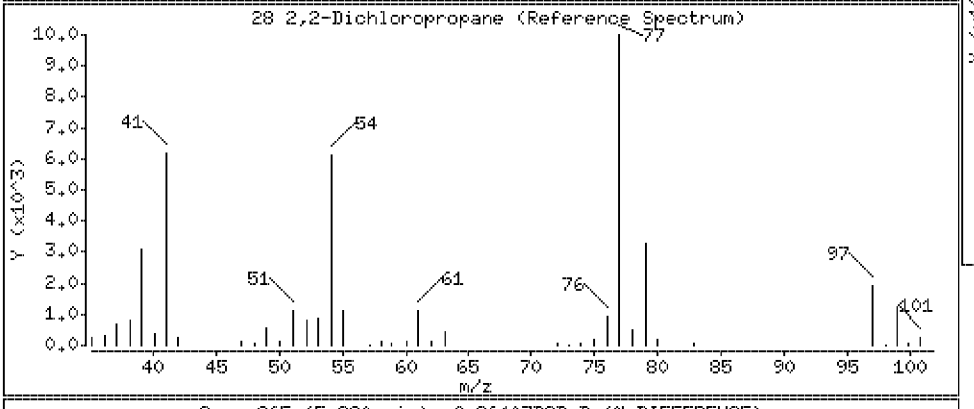
Purge Volume: 5.0 Operator:

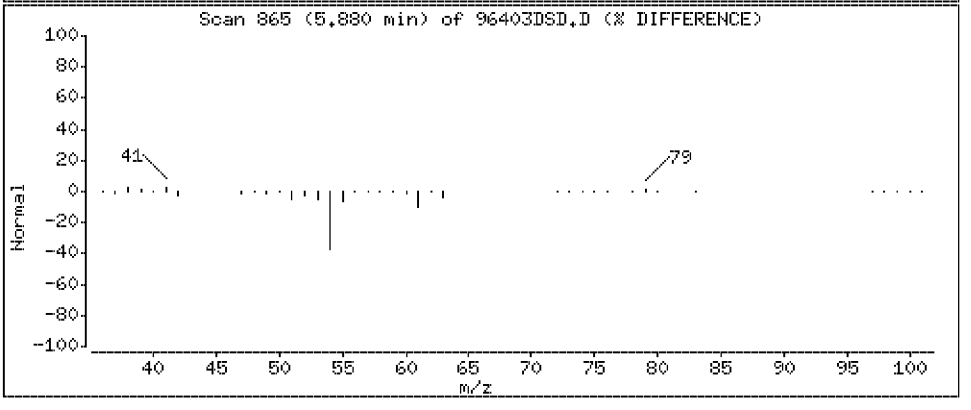
Column phase: DB-624 Column diameter: 0.18

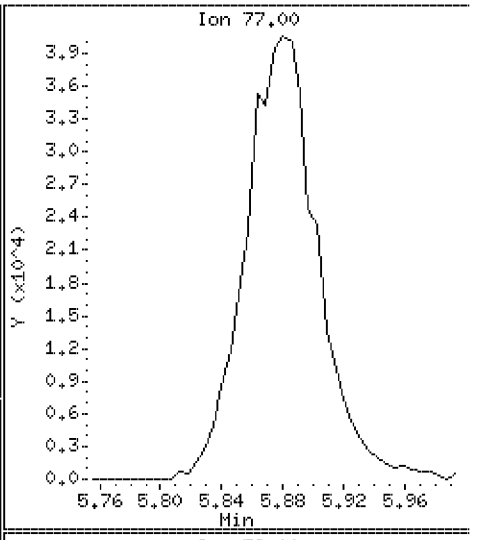
28 2,2-Dichloropropane Concentration: 107 ug/l

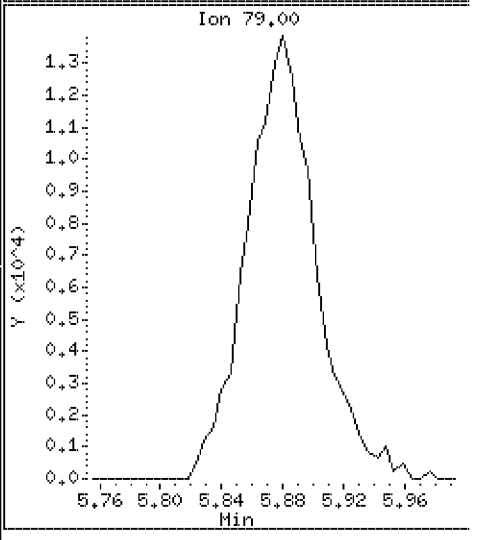












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

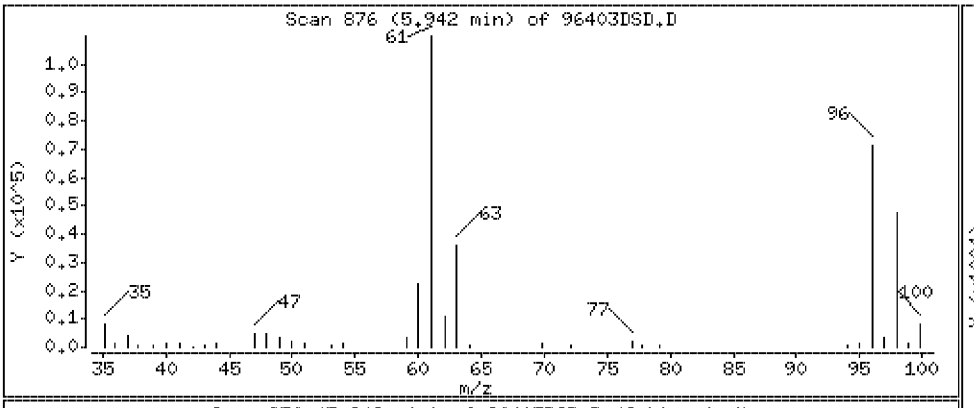
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

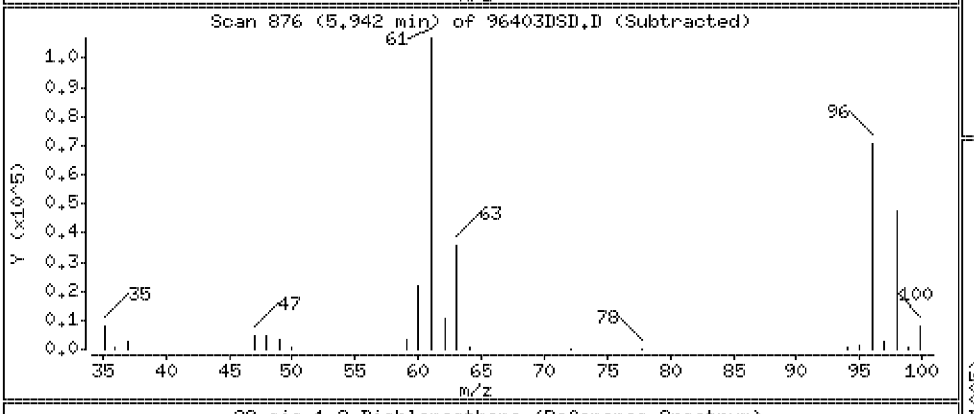
Sample Info: 250696403;2506964;5;

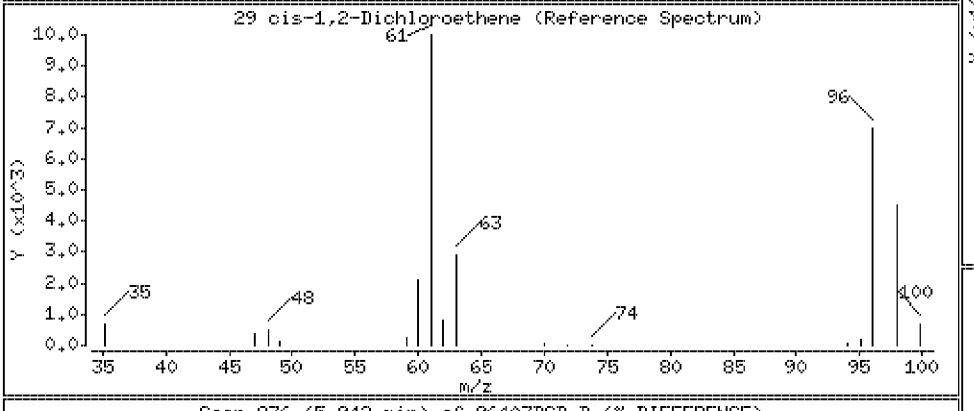
Purge Volume: 5.0 Operator:

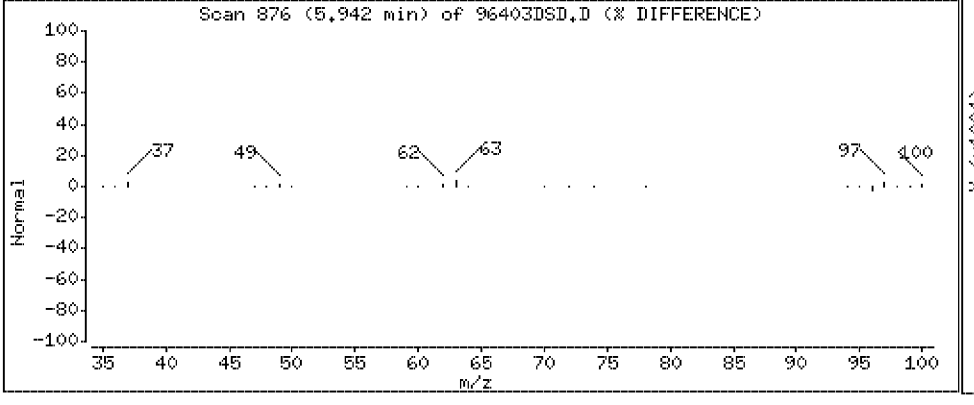
Column phase: DB-624 Column diameter: 0.18

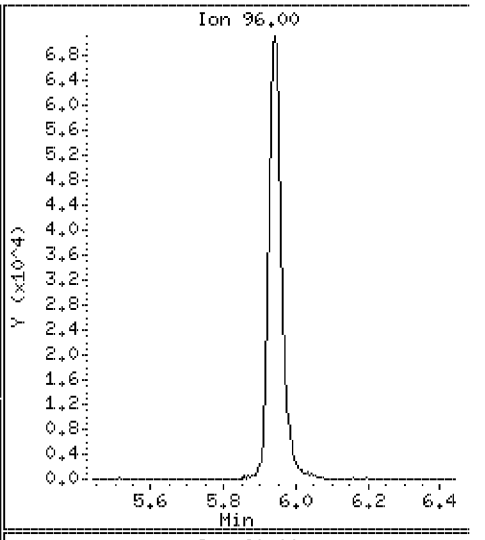
29 cis-1,2-Dichloroethene Concentration: 124 ug/l

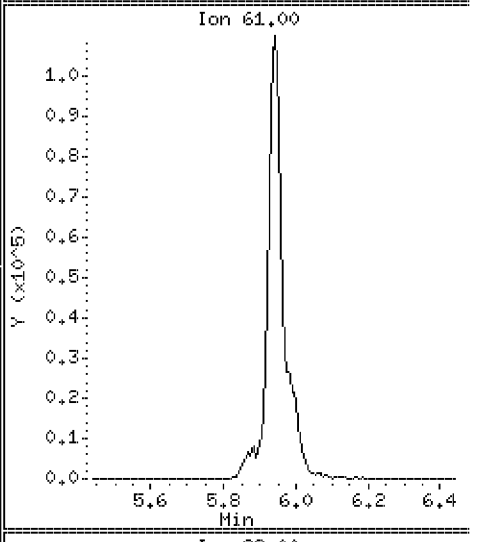


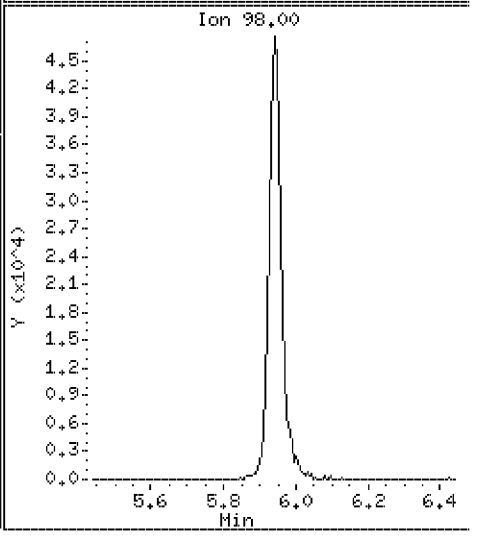












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

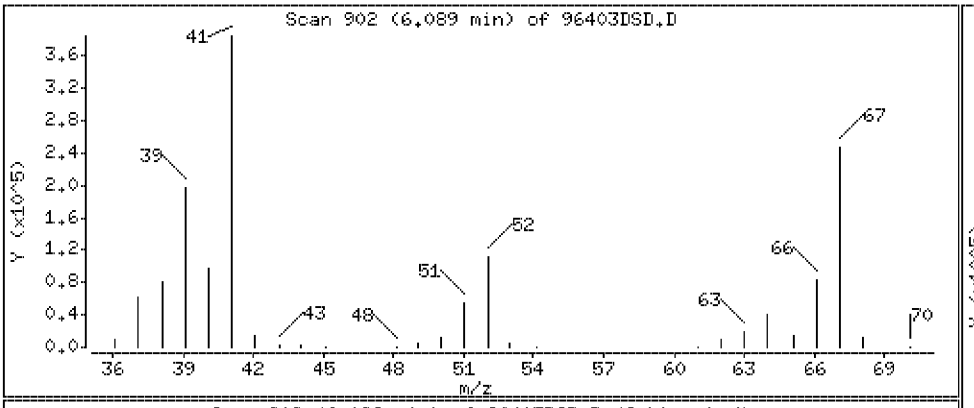
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

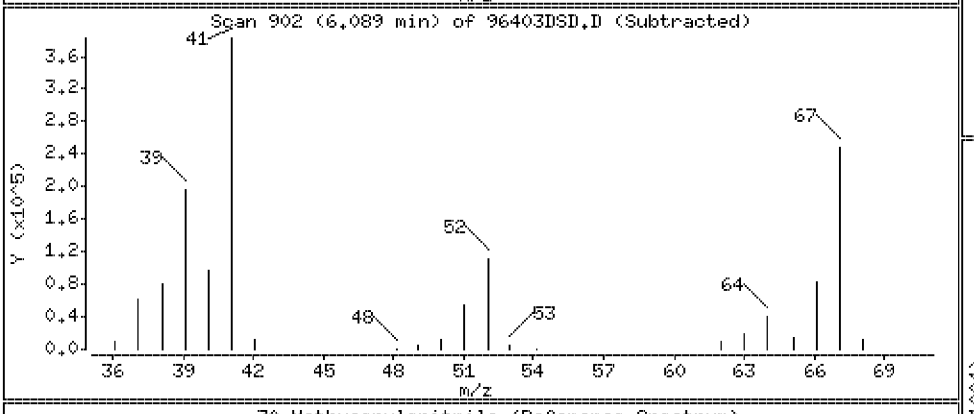
Sample Info: 250696403;2506964;5;

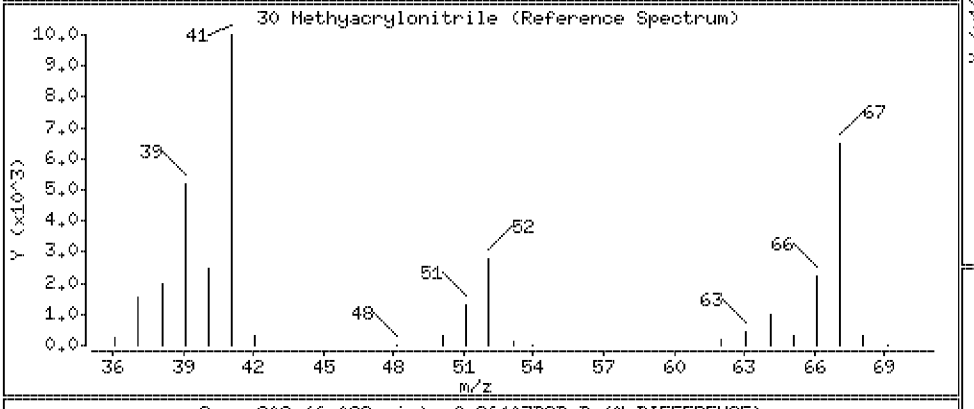
Purge Volume: 5.0 Operator:

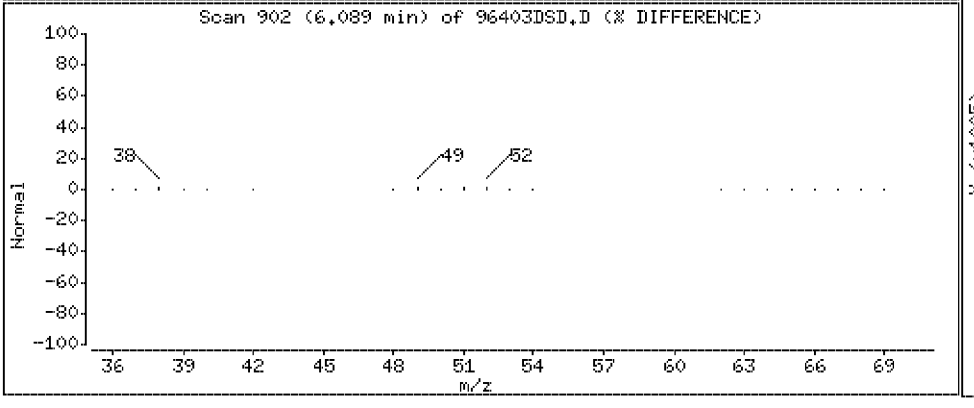
Column phase: DB-624 Column diameter: 0.18

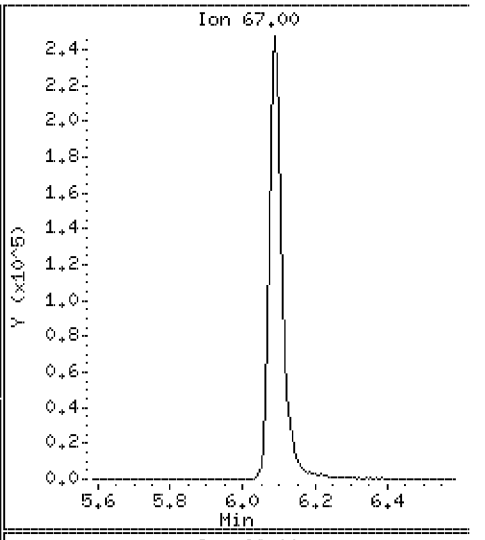
30 Methyacrylonitrile Concentration: 1030 ug/l

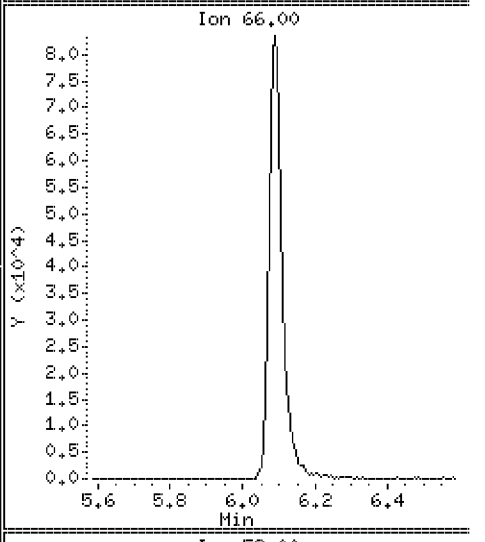


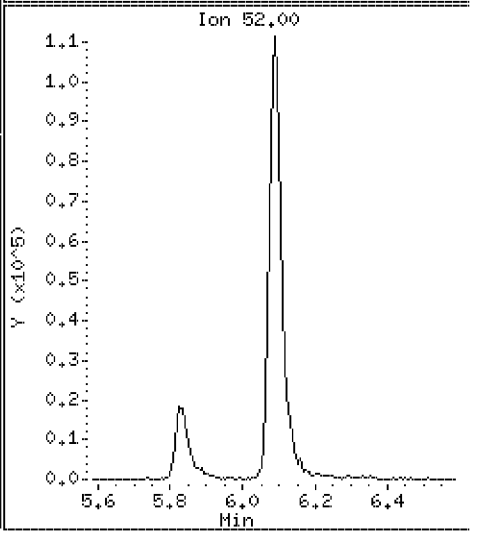












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

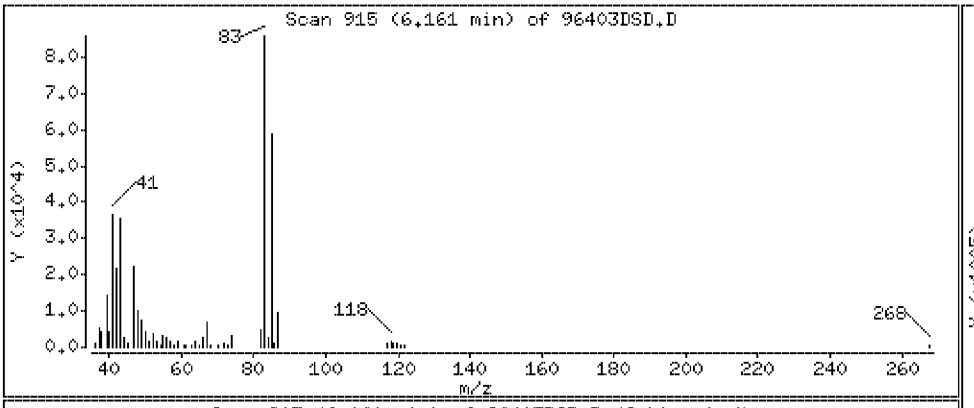
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

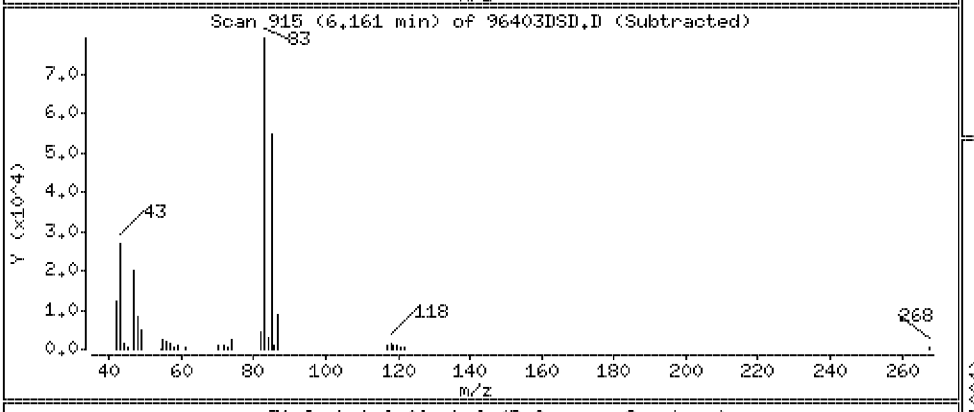
Sample Info: 250696403;2506964;5;

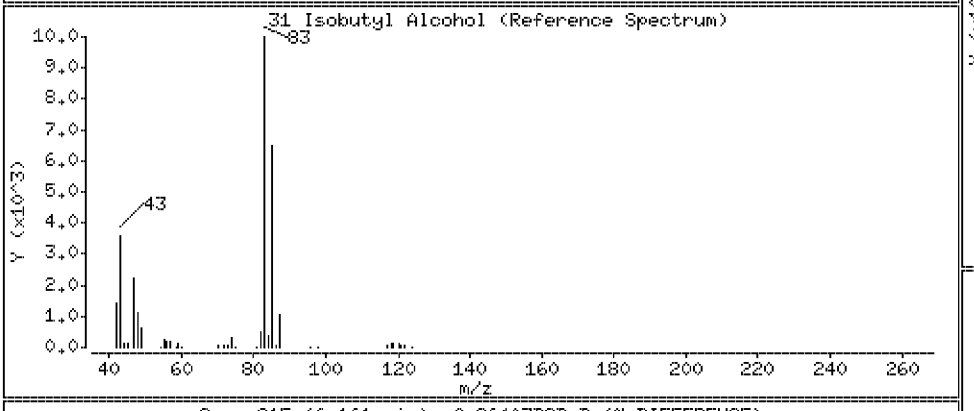
Purge Volume: 5.0 Operator:

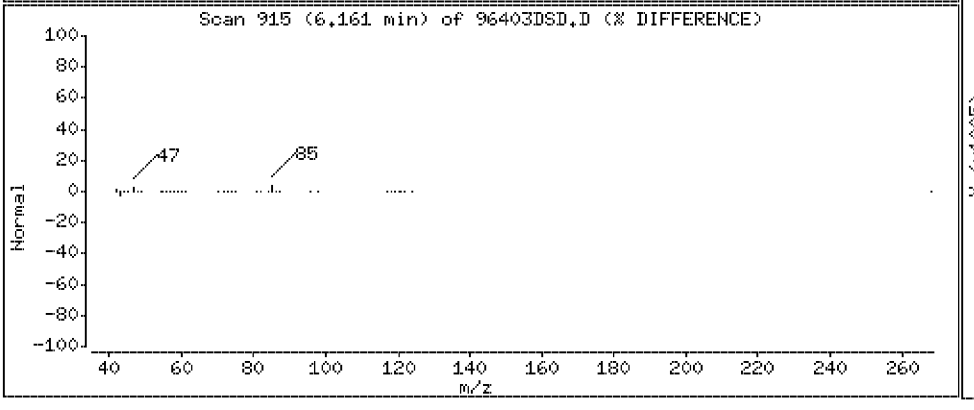
Column phase: DB-624 Column diameter: 0.18

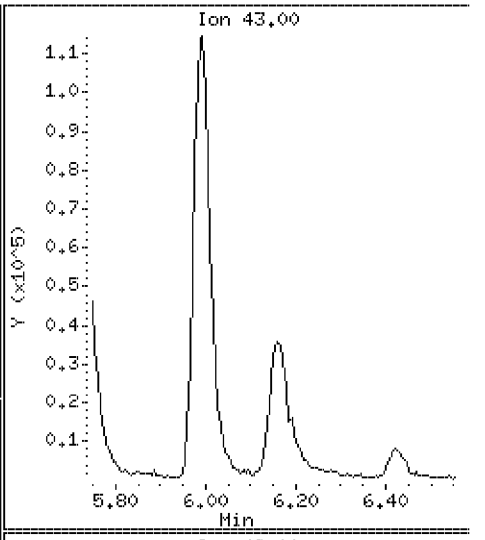
31 Isobutyl Alcohol Concentration: 851 ug/l

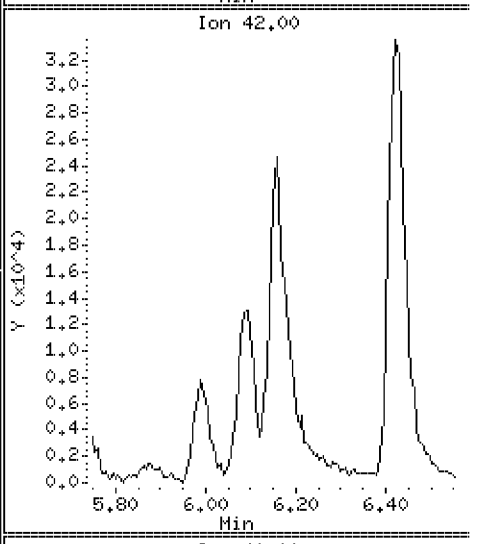


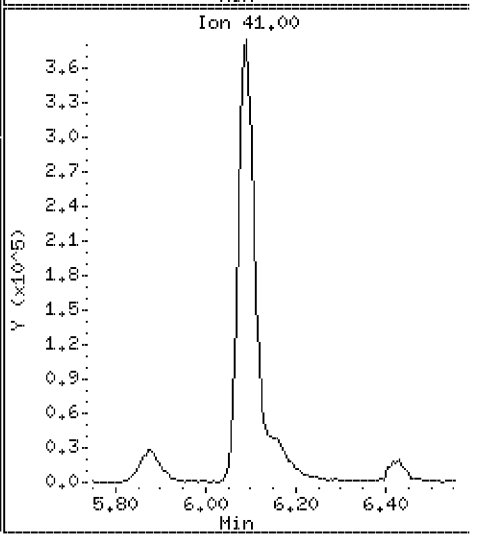












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

Client ID: TO0540AMSDBLDL1

Instrument: vms03.i

Sample Info: 250696403;2506964;5;

Purge Volume: 5.0

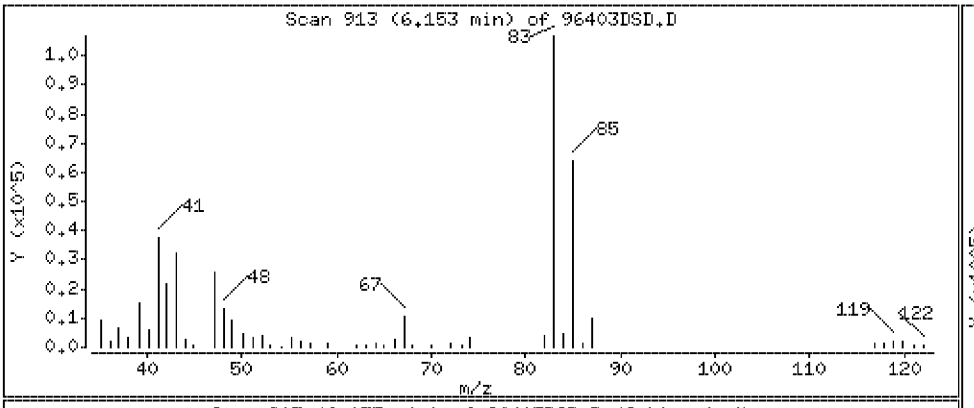
Operator:

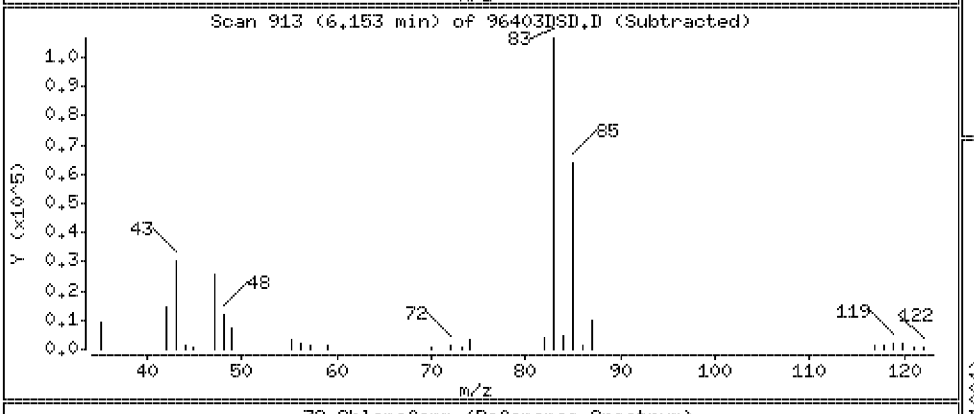
Column phase: DB-624

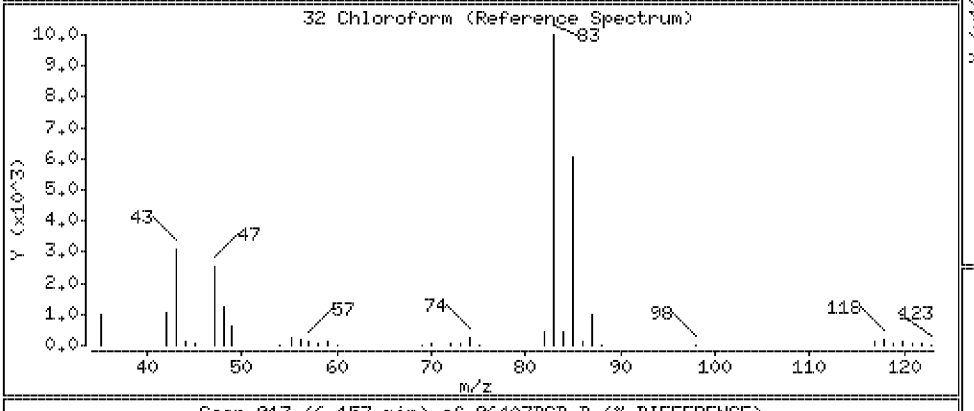
Column diameter: 0.18

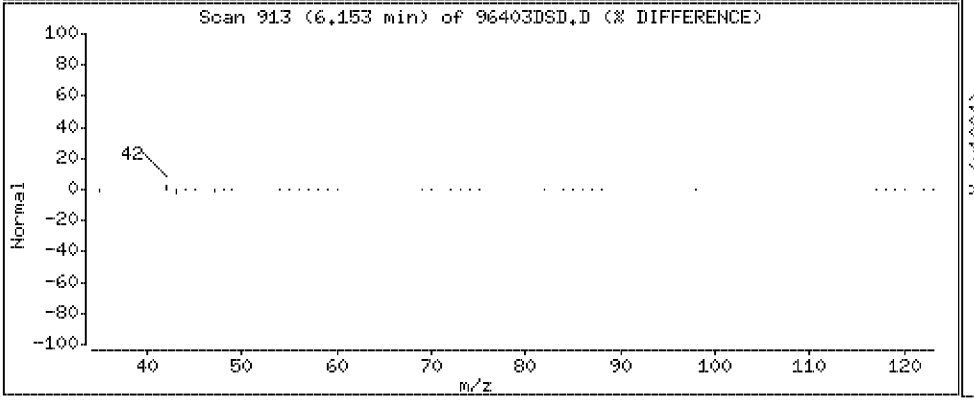
32 Chloroform

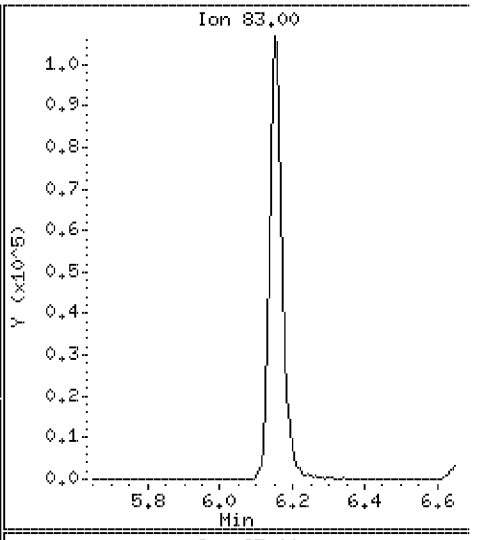
Concentration: 99.3 ug/l

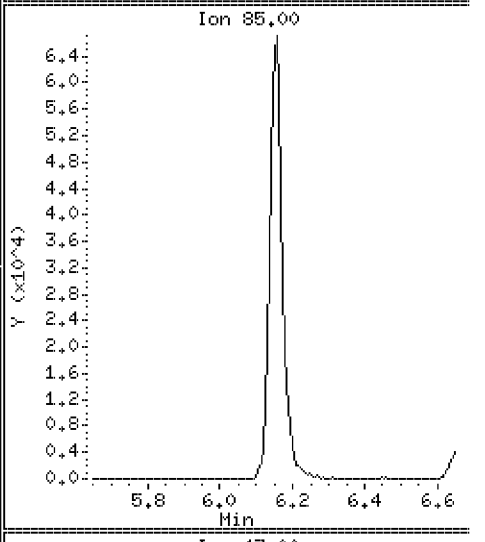


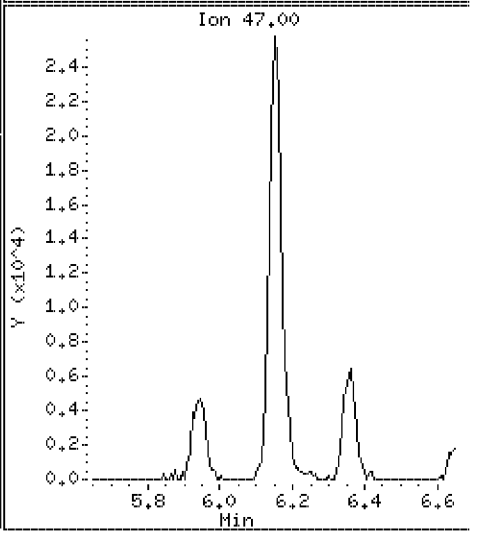












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

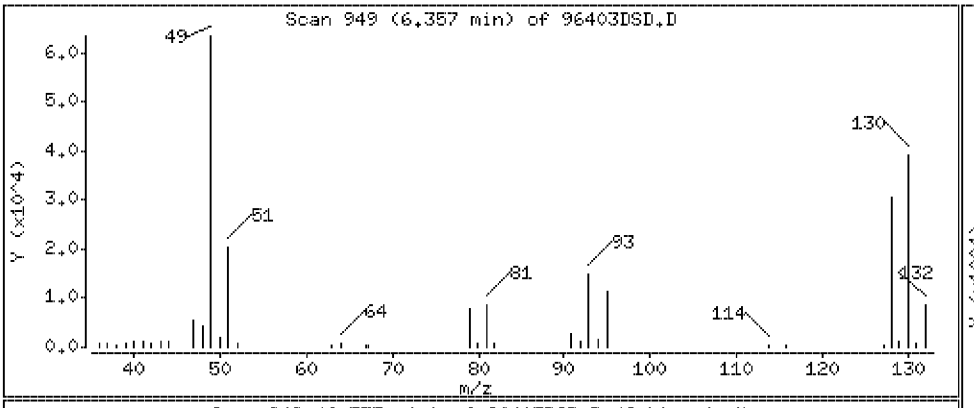
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

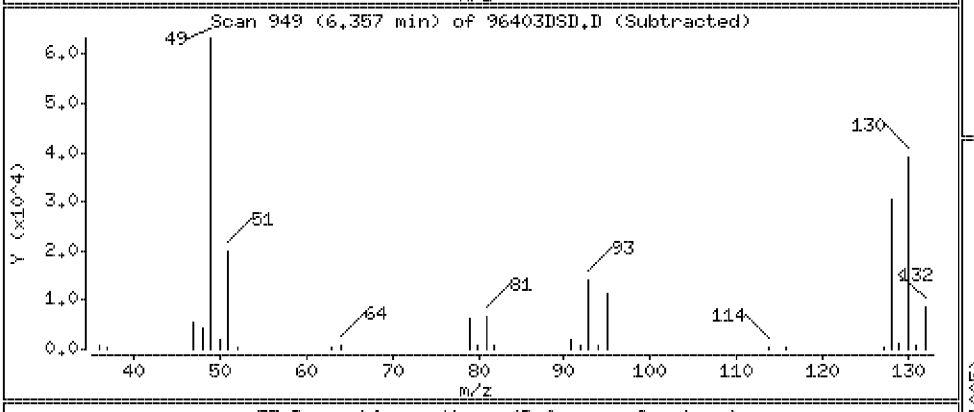
Sample Info: 250696403;2506964;5;

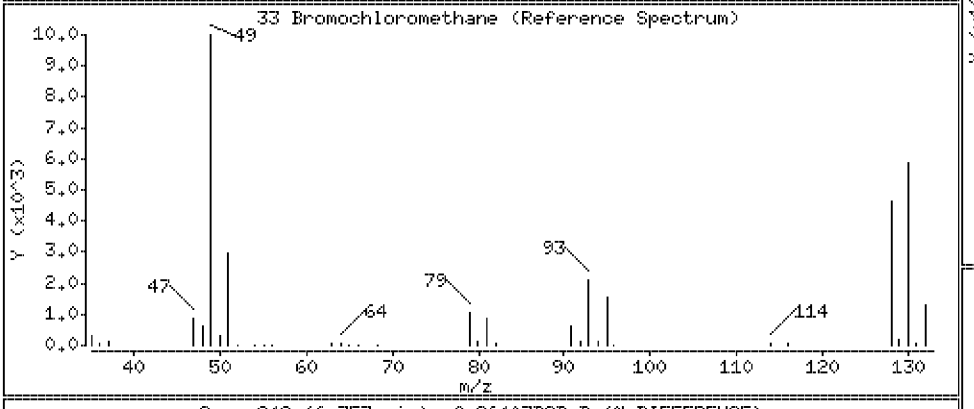
Purge Volume: 5.0 Operator:

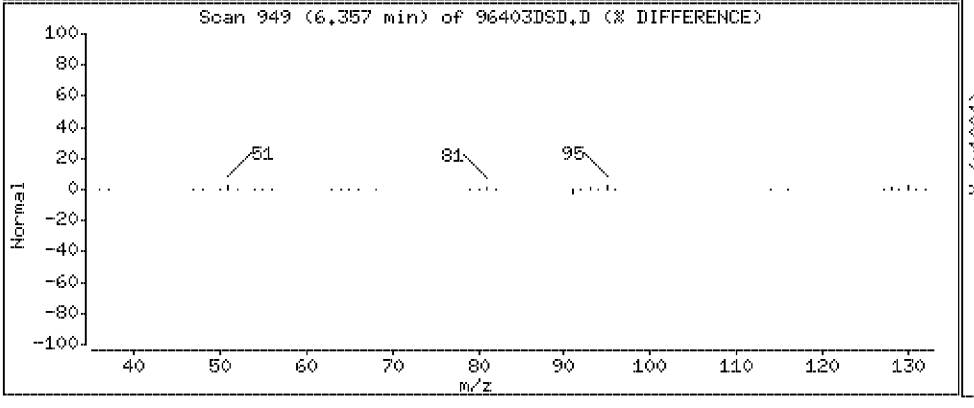
Column phase: DB-624 Column diameter: 0.18

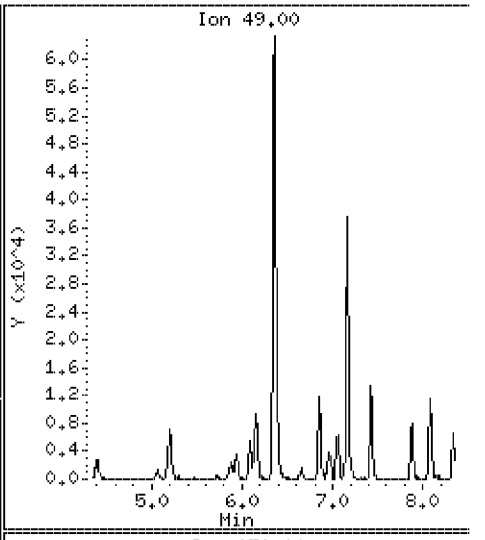
33 Bromochloromethane Concentration: 98.5 ug/l

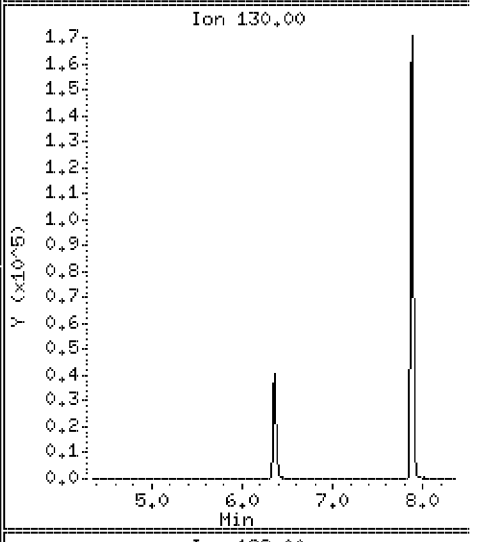


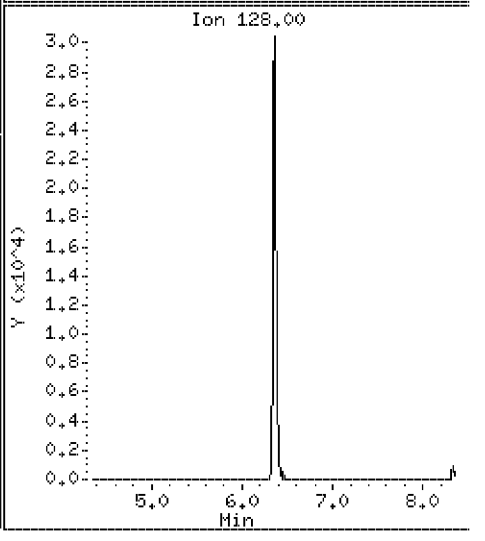












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

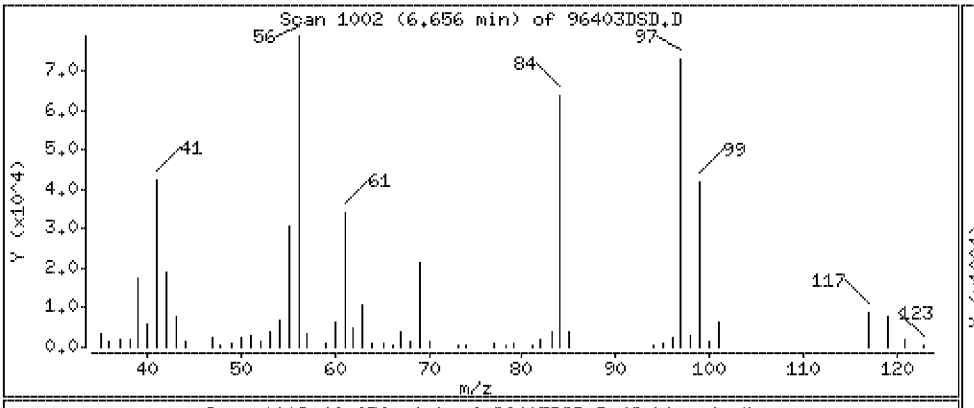
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

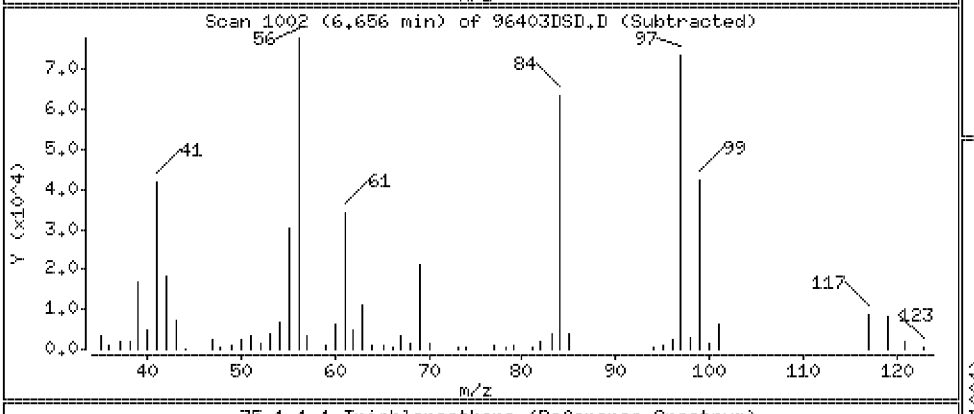
Sample Info: 250696403;2506964;5;

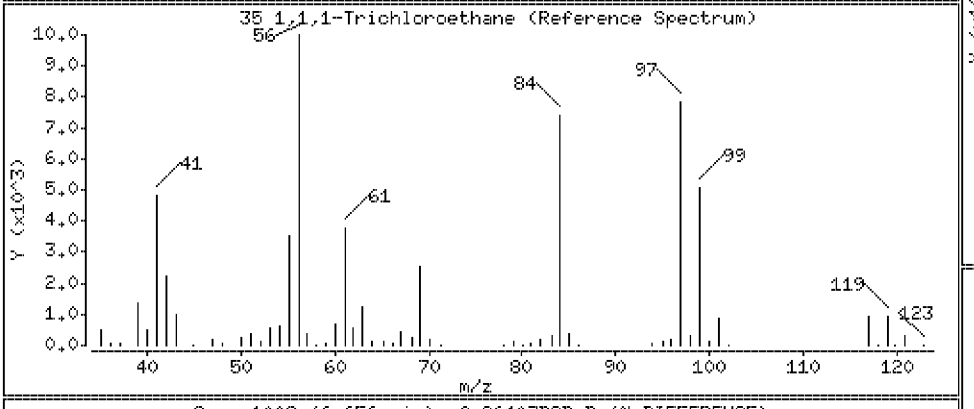
Purge Volume: 5.0 Operator:

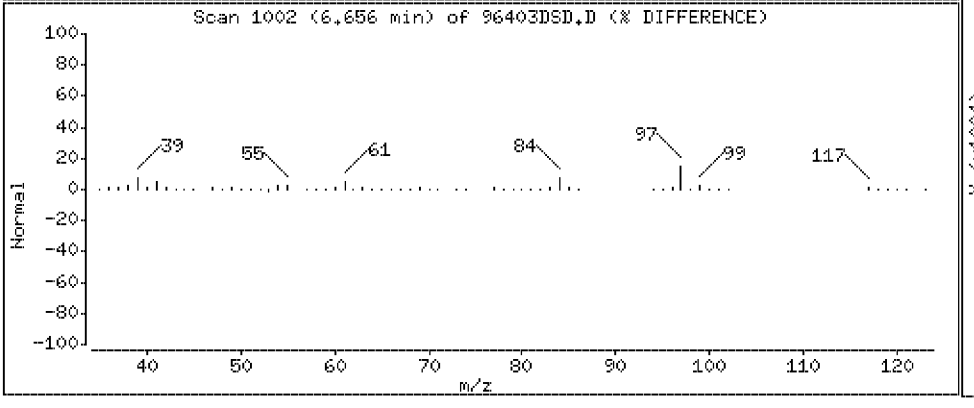
Column phase: DB-624 Column diameter: 0.18

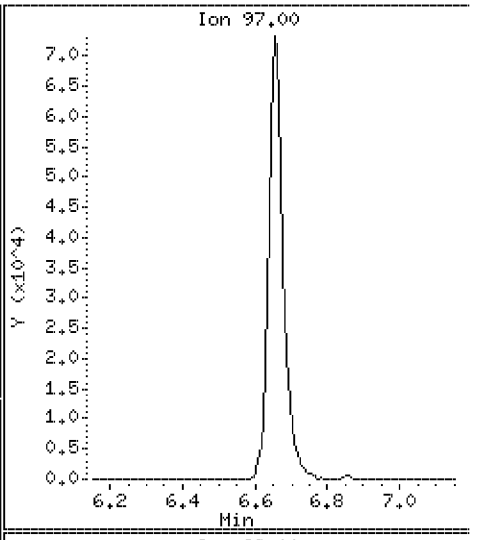
35 1,1,1-Trichloroethane Concentration: 101 ug/l

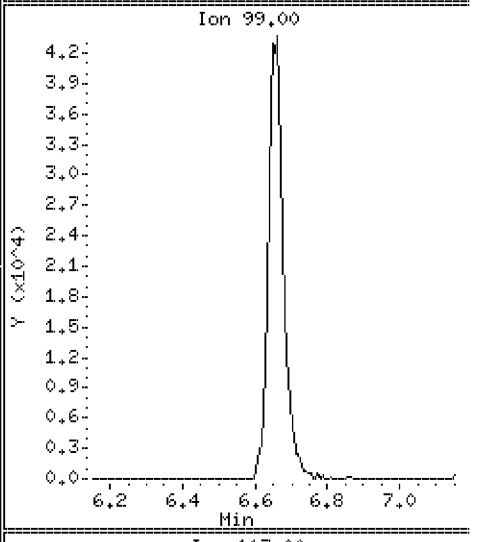


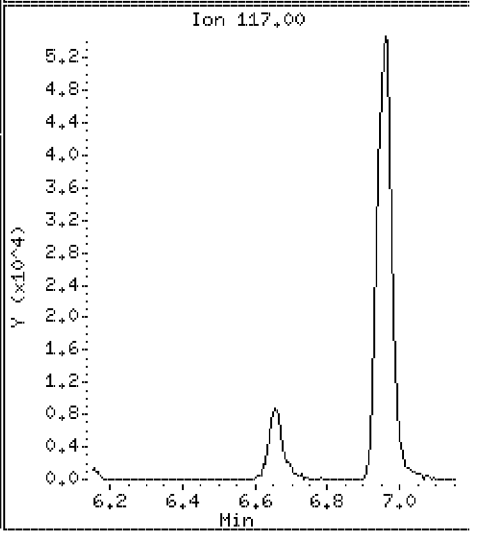












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

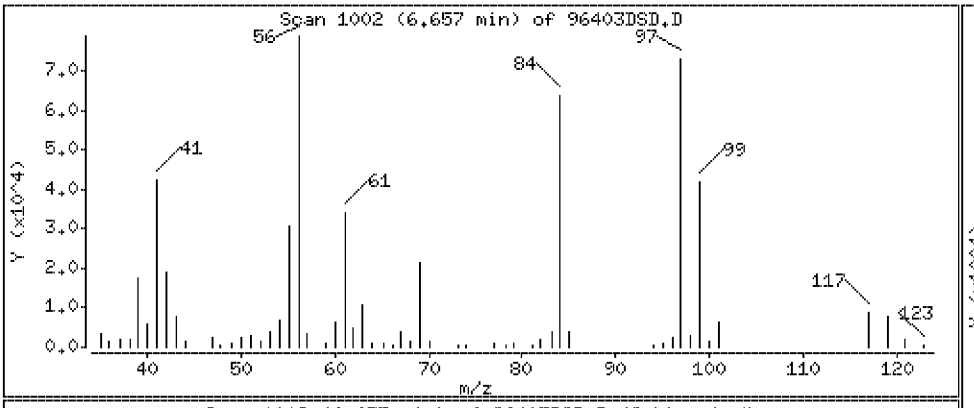
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

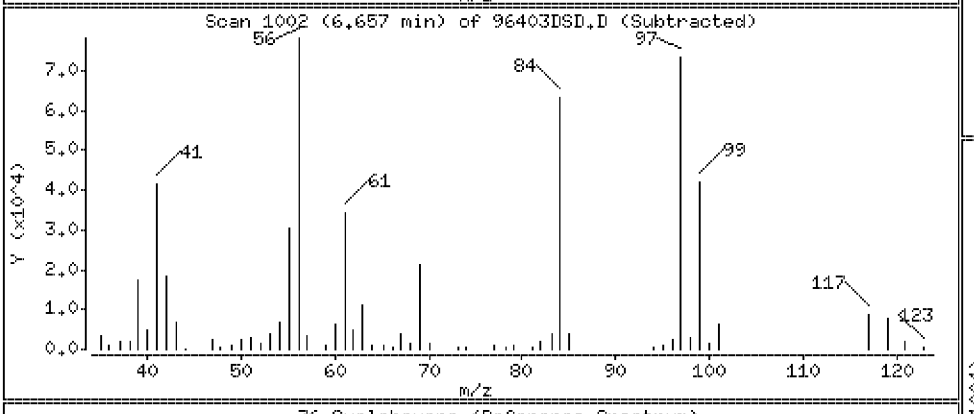
Sample Info: 250696403;2506964;5;

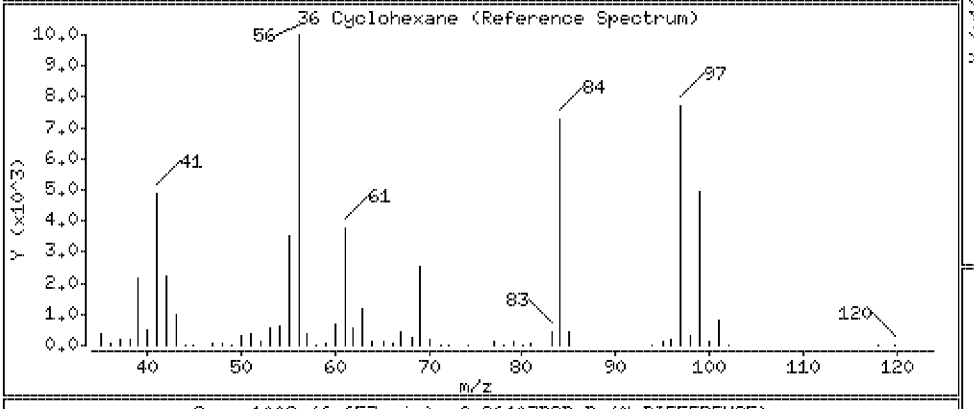
Purge Volume: 5.0 Operator:

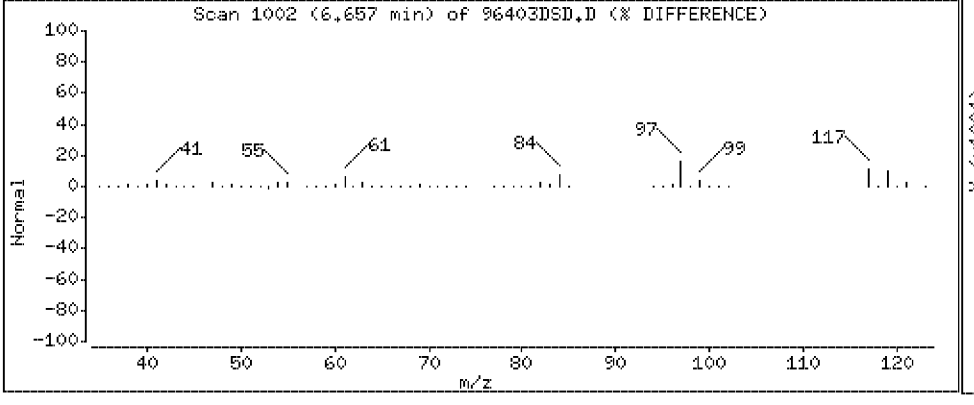
Column phase: DB-624 Column diameter: 0.18

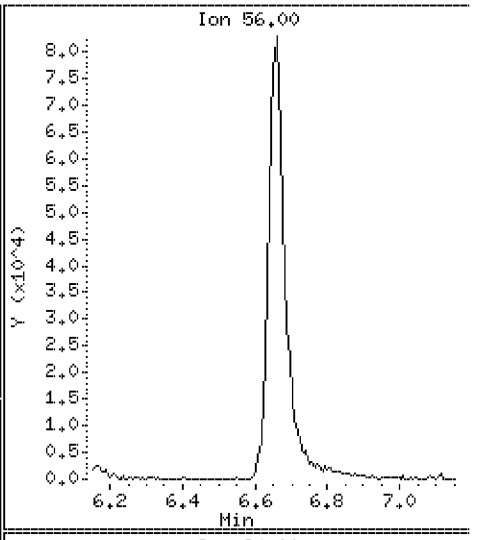
36 Cyclohexane Concentration: 100 ug/l

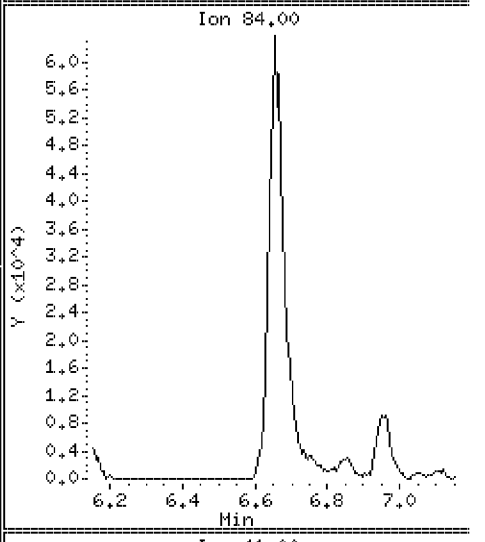


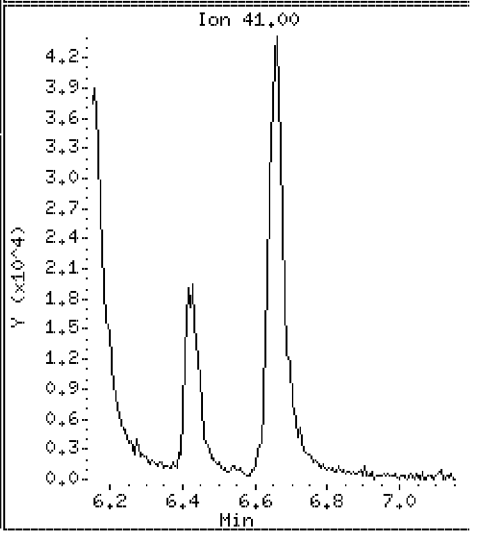












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

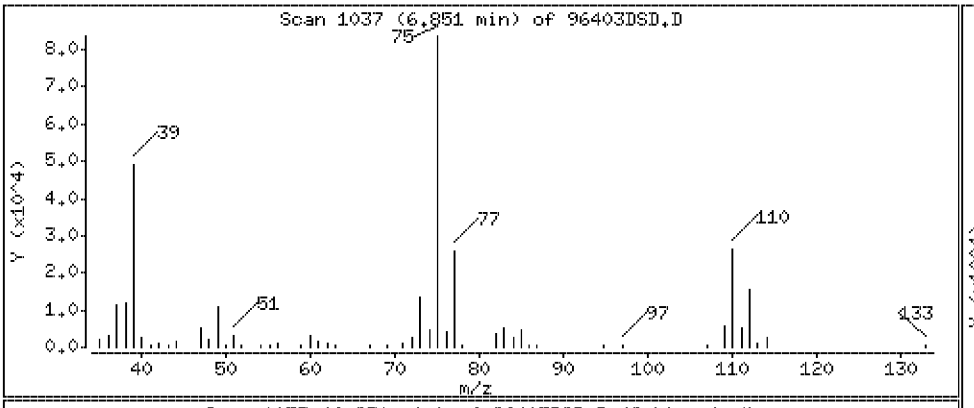
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

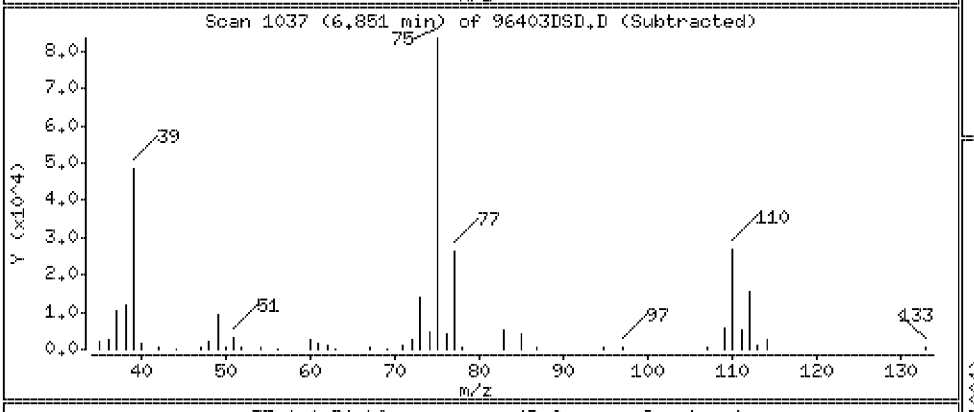
Sample Info: 250696403;2506964;5;

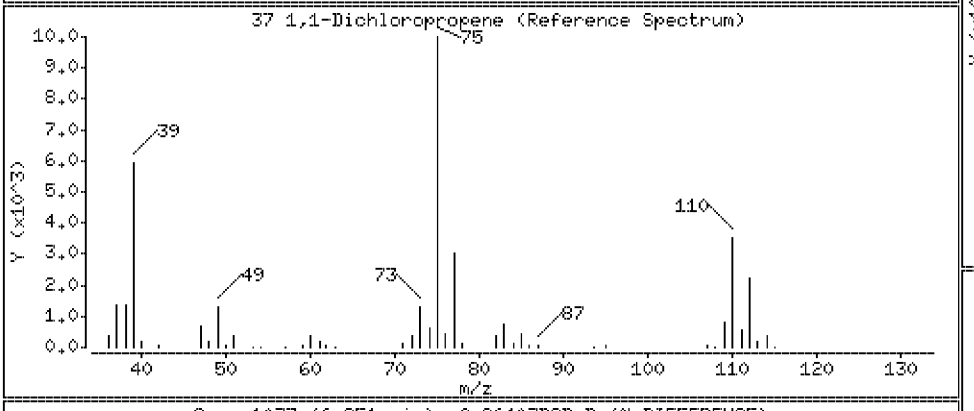
Purge Volume: 5.0 Operator:

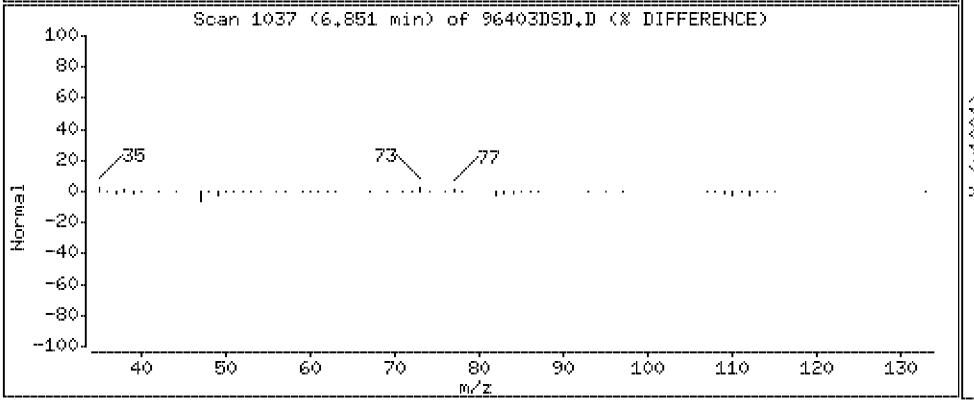
Column phase: DB-624 Column diameter: 0.18

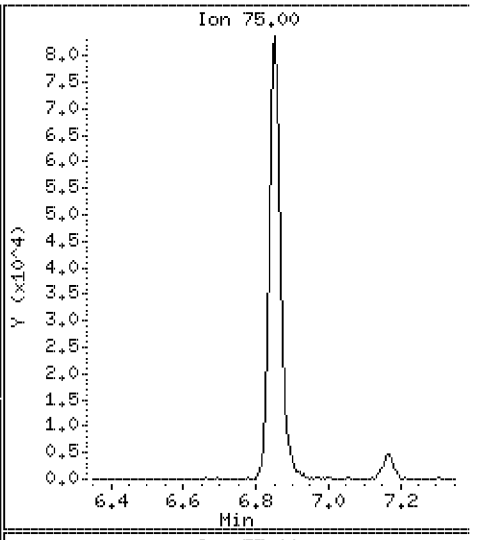
37 1,1-Dichloropropene Concentration: 99.8 ug/l

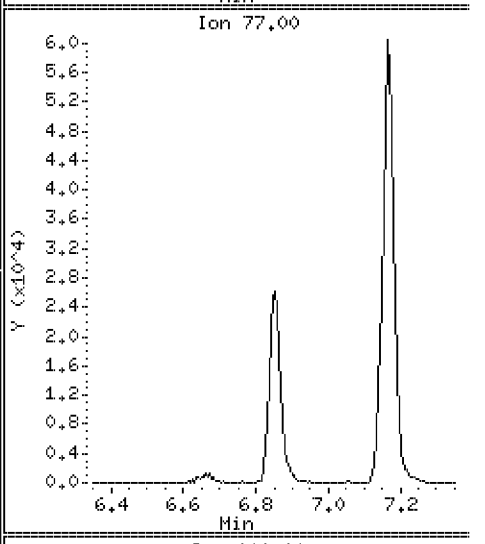


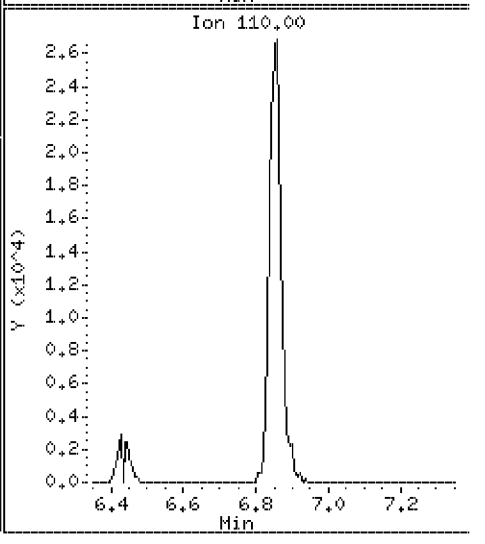












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

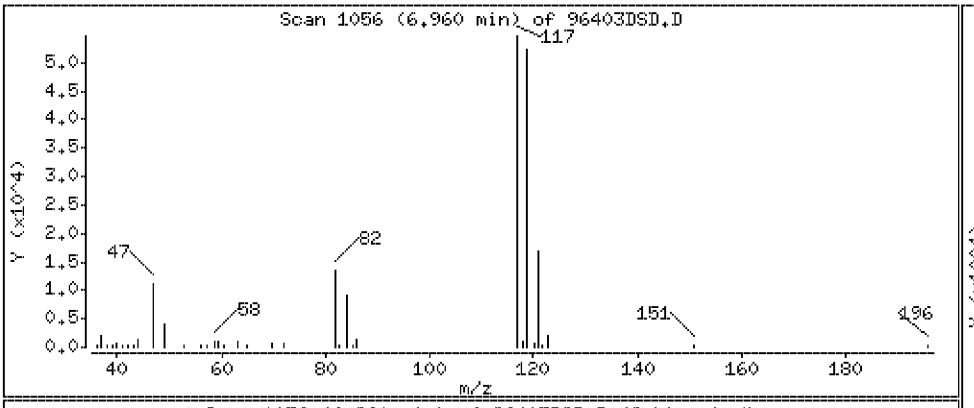
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

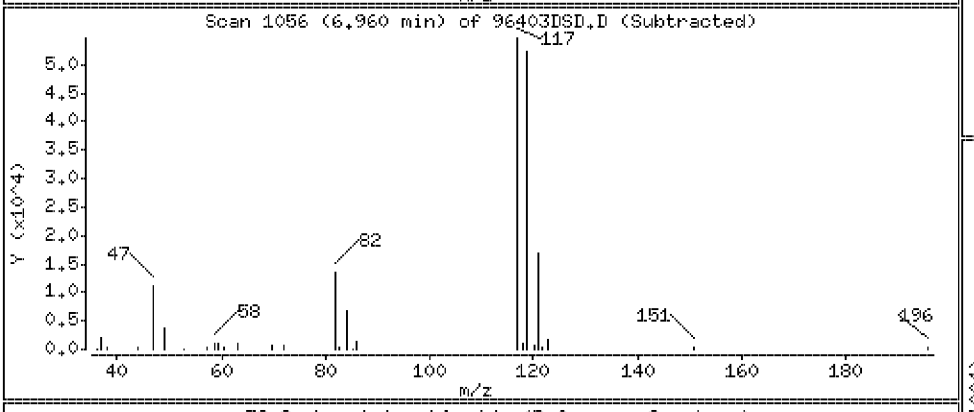
Sample Info: 250696403;2506964;5;

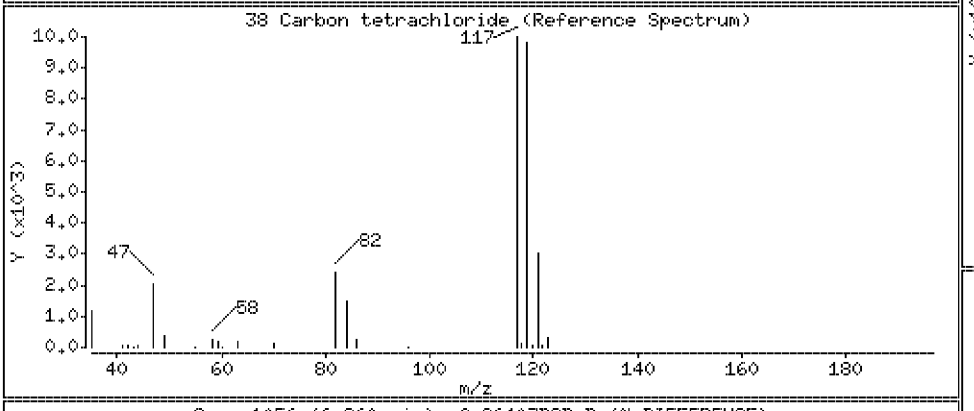
Purge Volume: 5.0 Operator:

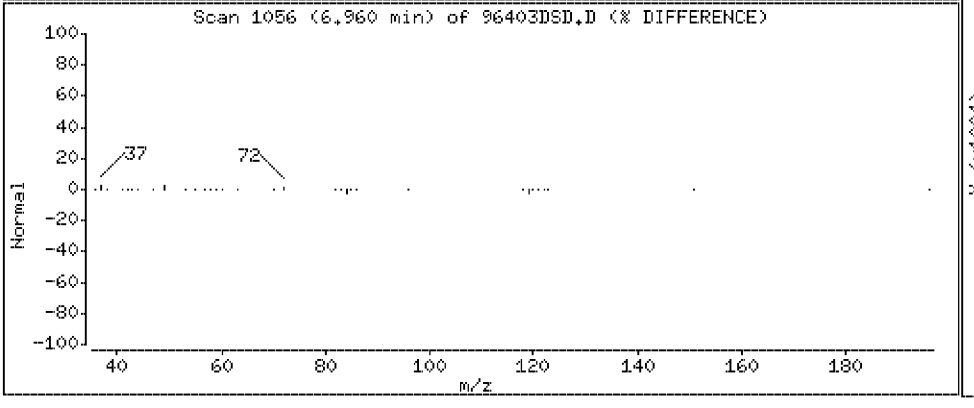
Column phase: DB-624 Column diameter: 0.18

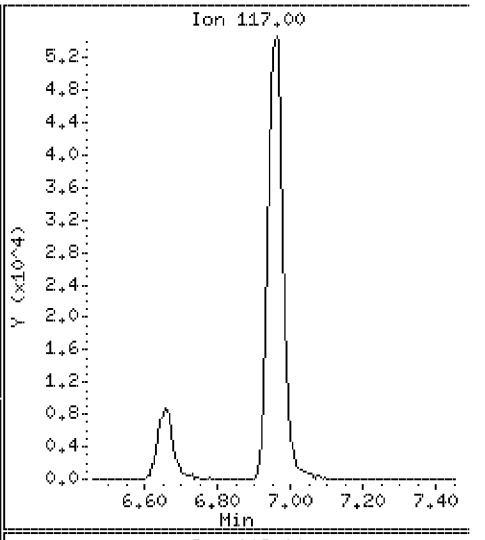
38 Carbon tetrachloride Concentration: 97.6 ug/l

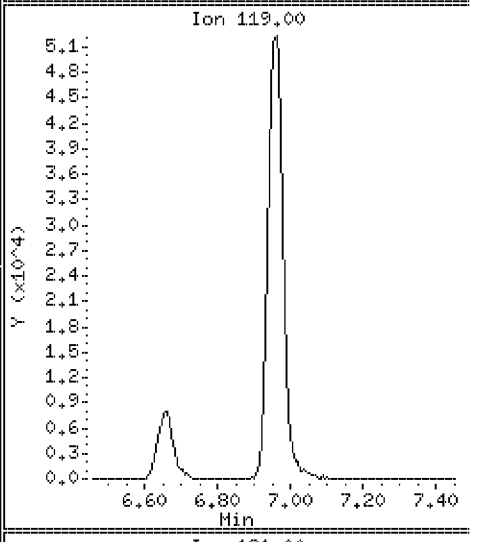


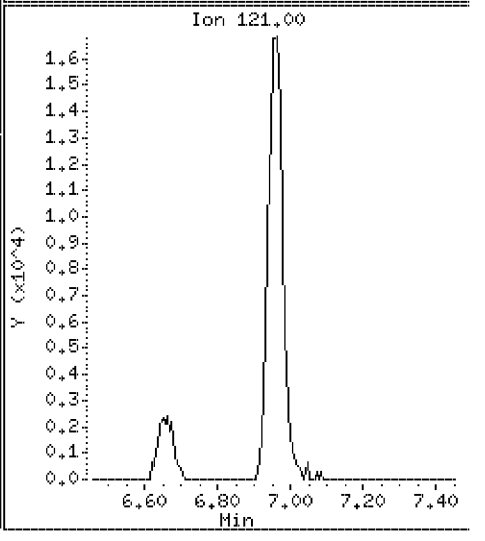












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

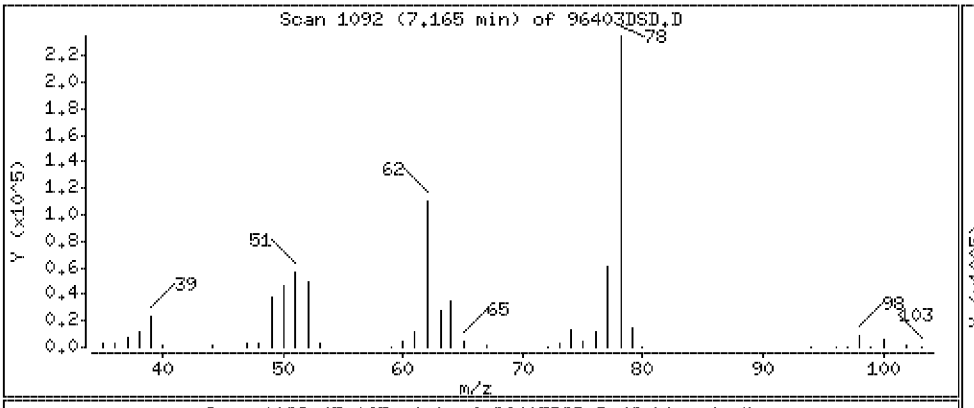
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

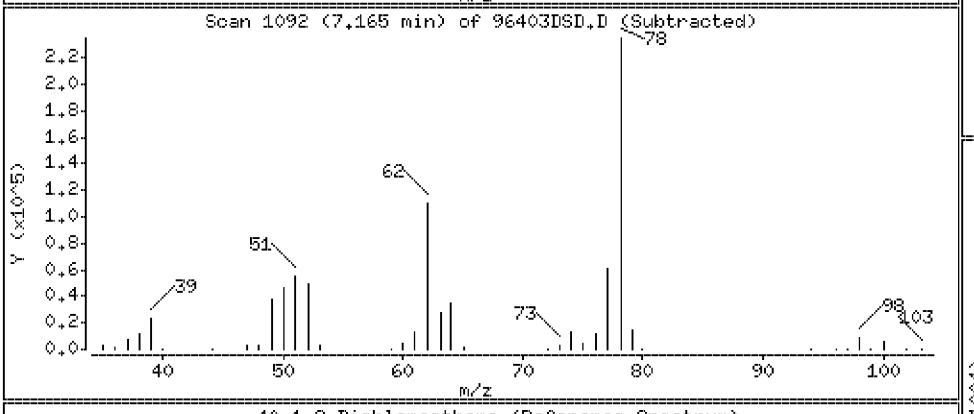
Sample Info: 250696403;2506964;5;

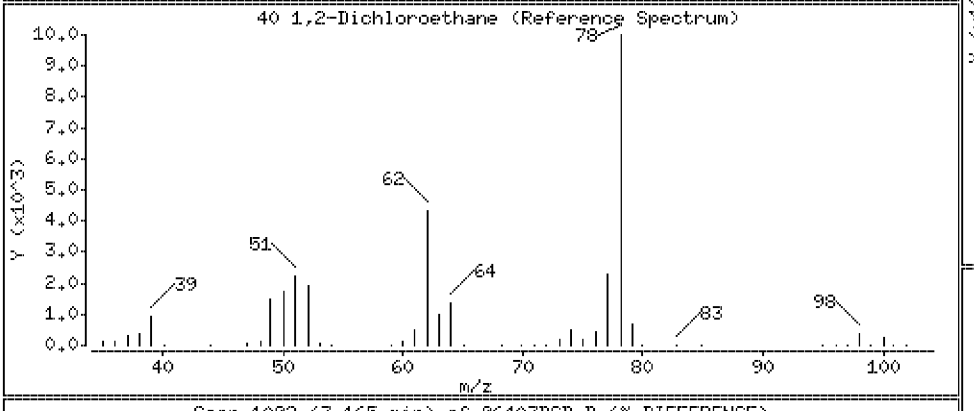
Purge Volume: 5.0 Operator:

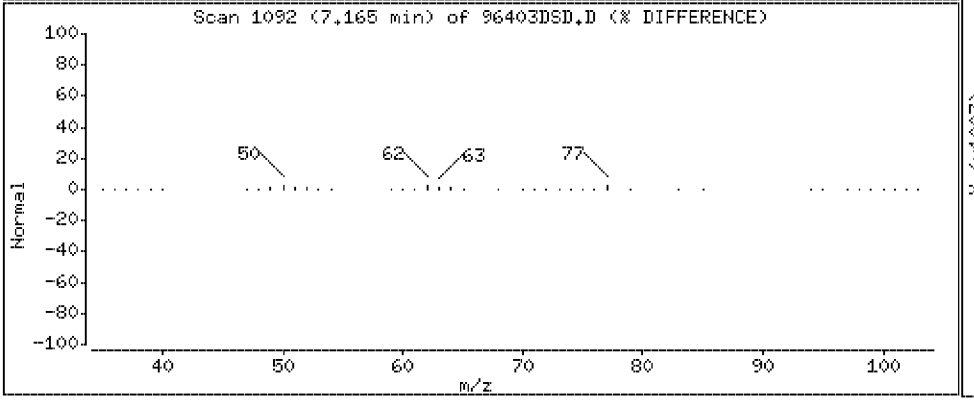
Column phase: DB-624 Column diameter: 0.18

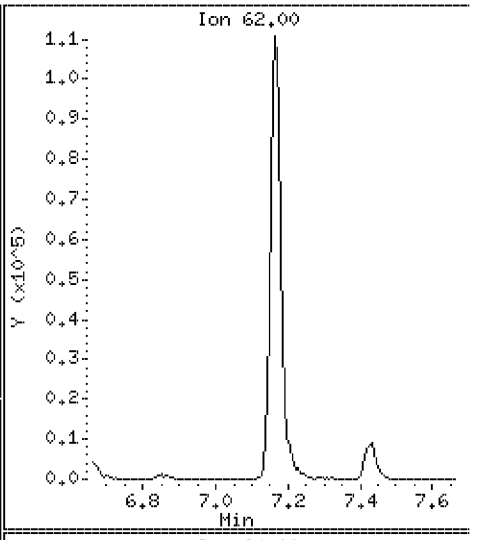
40 1,2-Dichloroethane Concentration: 100 ug/l

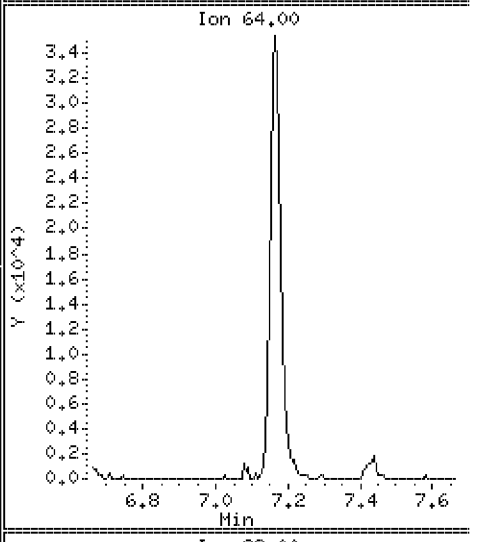


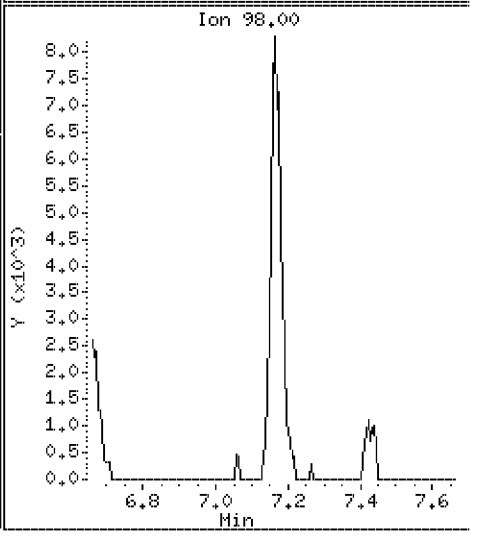












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

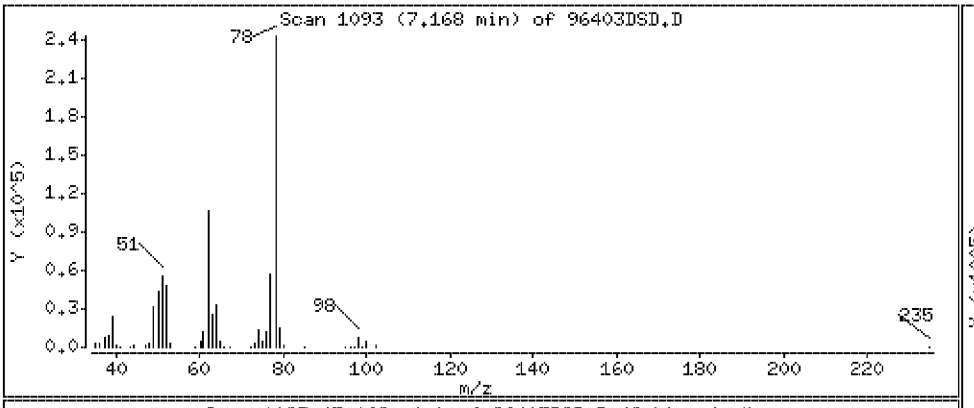
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

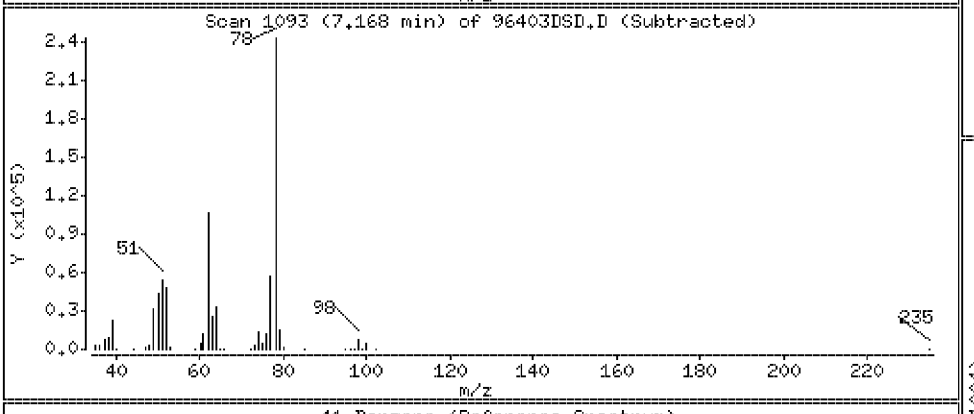
Sample Info: 250696403;2506964;5;

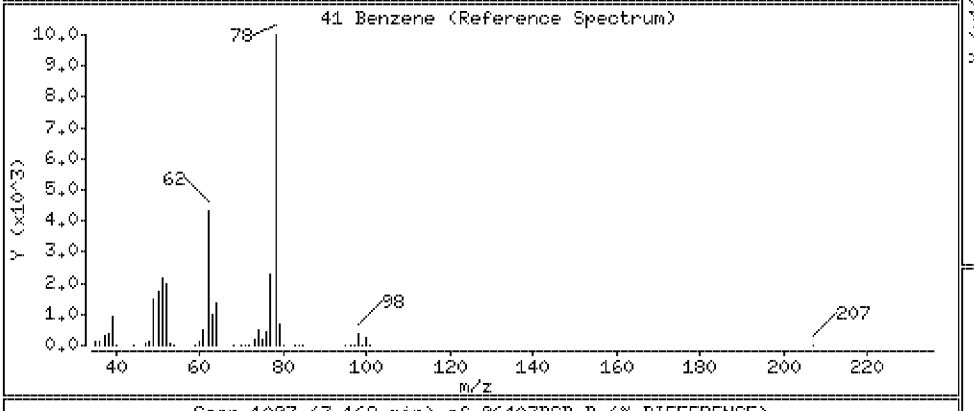
Purge Volume: 5.0 Operator:

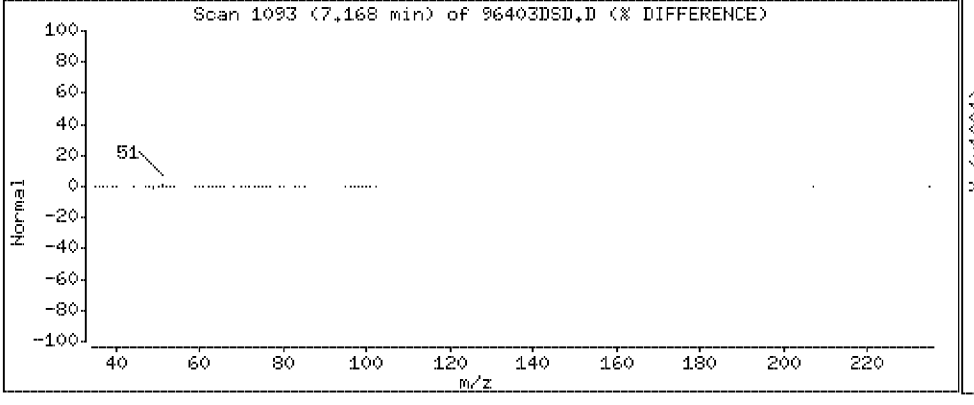
Column phase: DB-624 Column diameter: 0.18

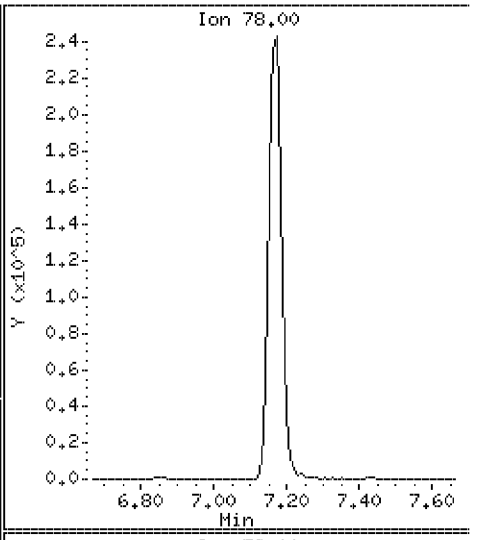
41 Benzene Concentration: 99.2 ug/l

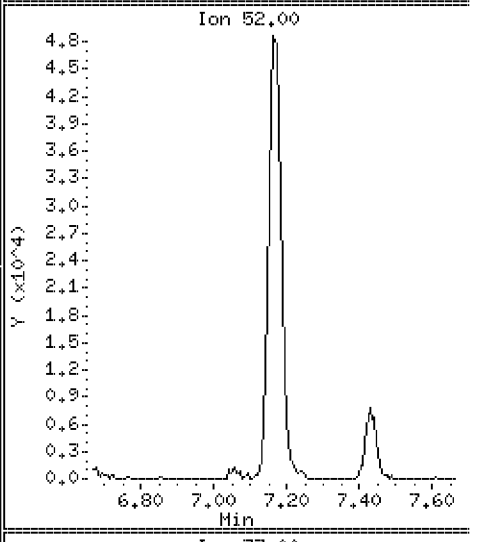


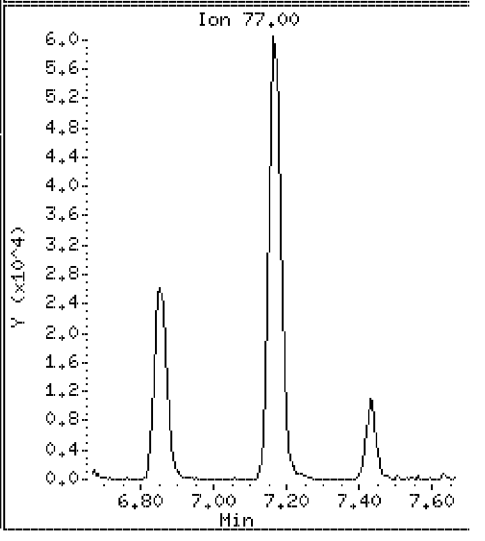












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

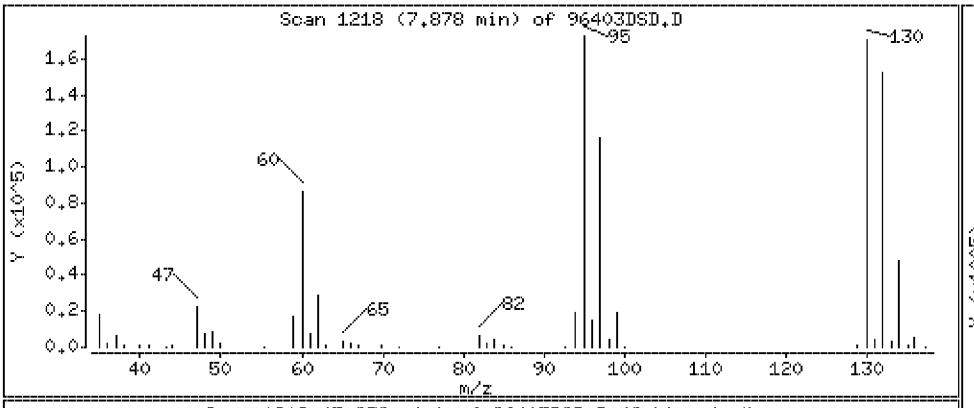
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

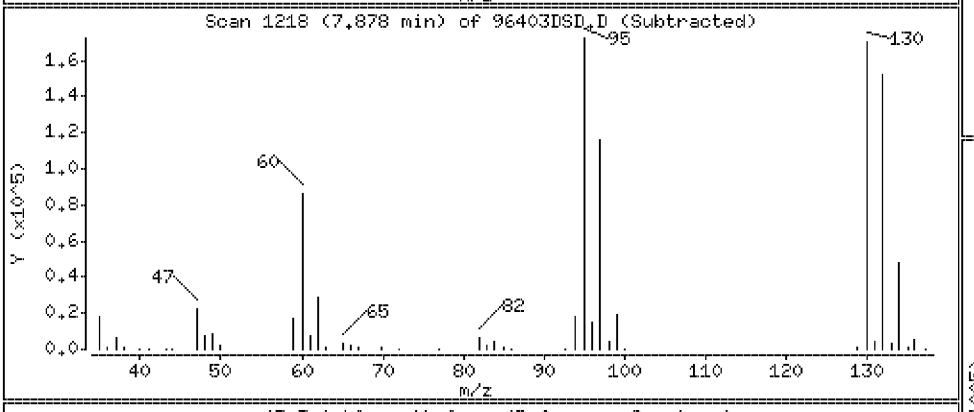
Sample Info: 250696403;2506964;5;

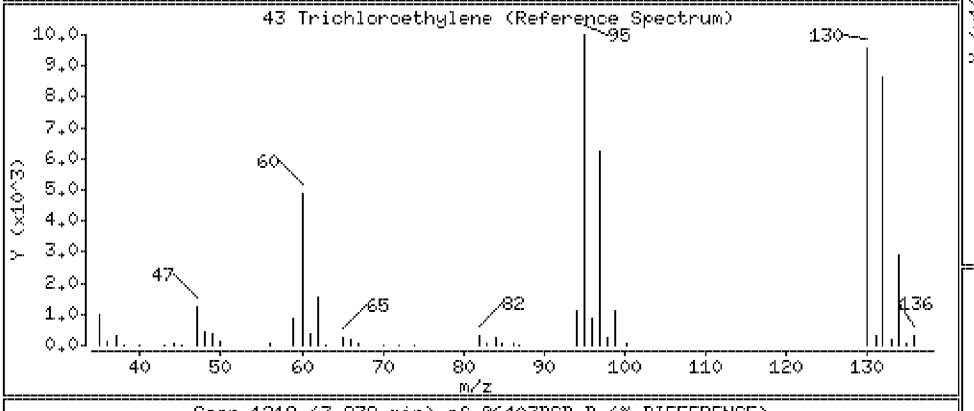
Purge Volume: 5.0 Operator:

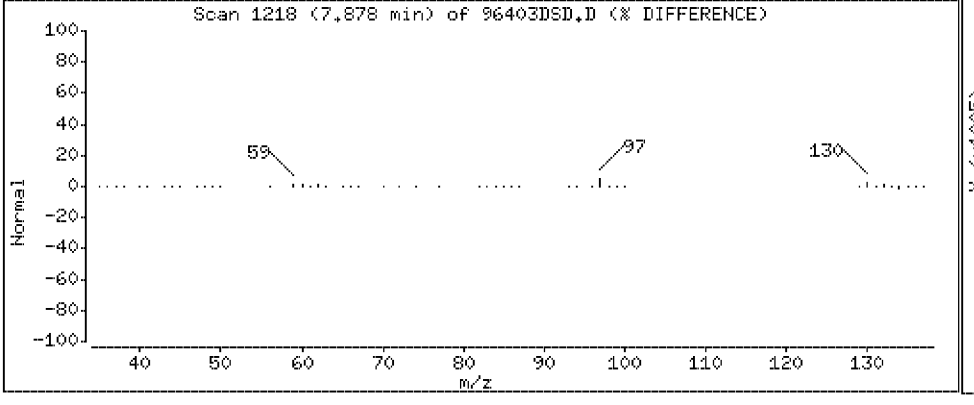
Column phase: DB-624 Column diameter: 0.18

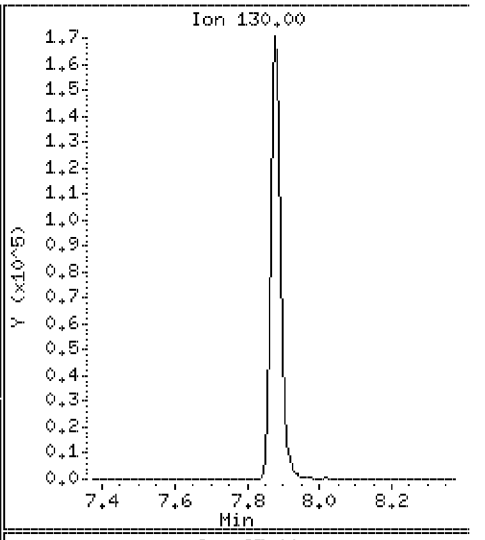
43 Trichloroethylene Concentration: 236 ug/l

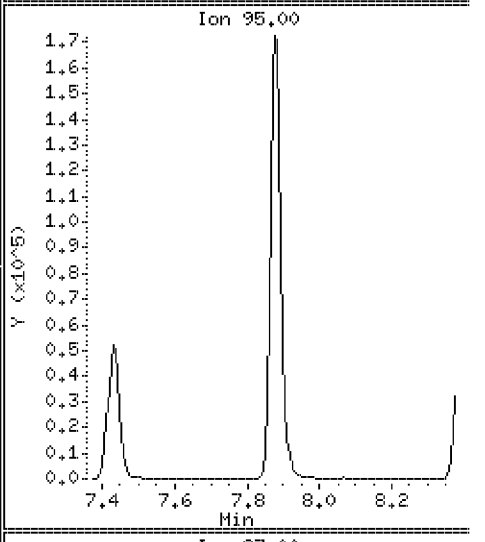


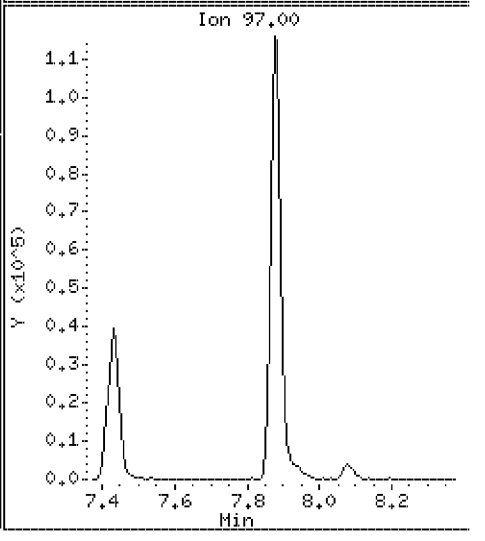












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

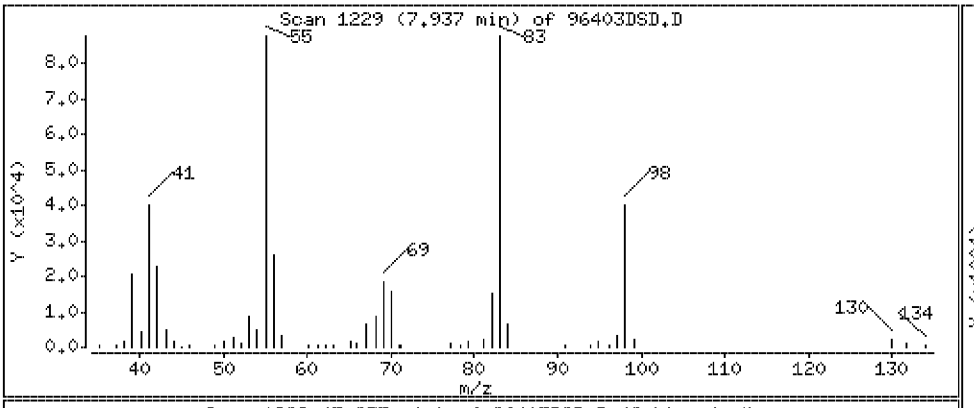
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

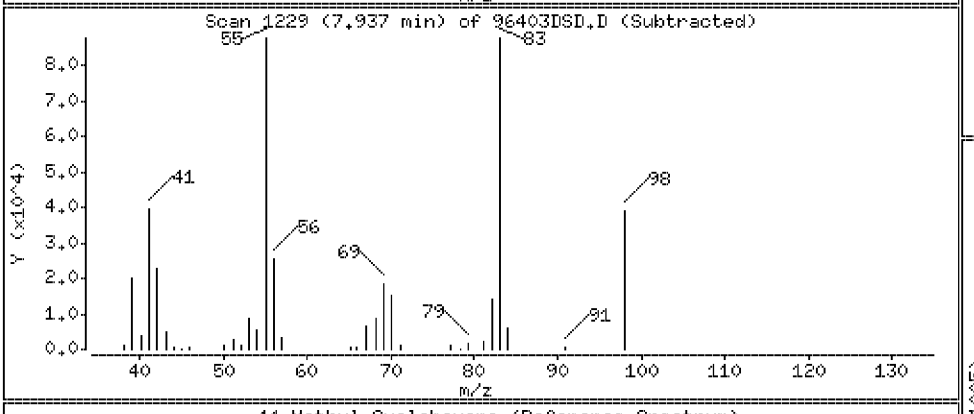
Sample Info: 250696403;2506964;5;

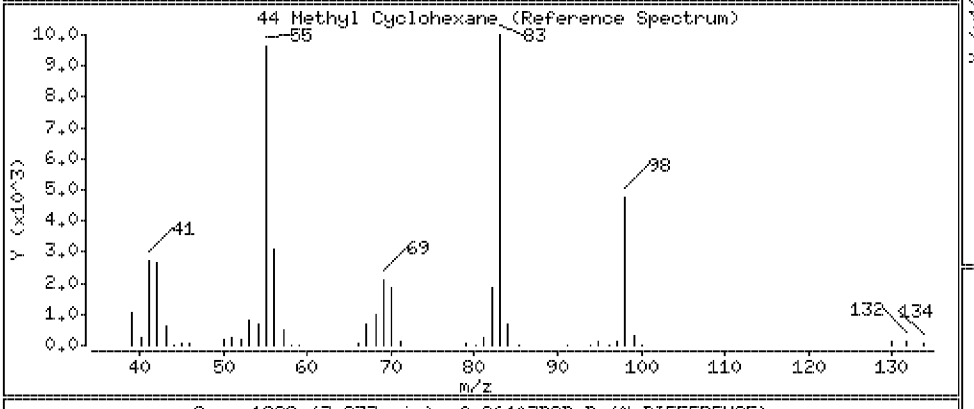
Purge Volume: 5.0 Operator:

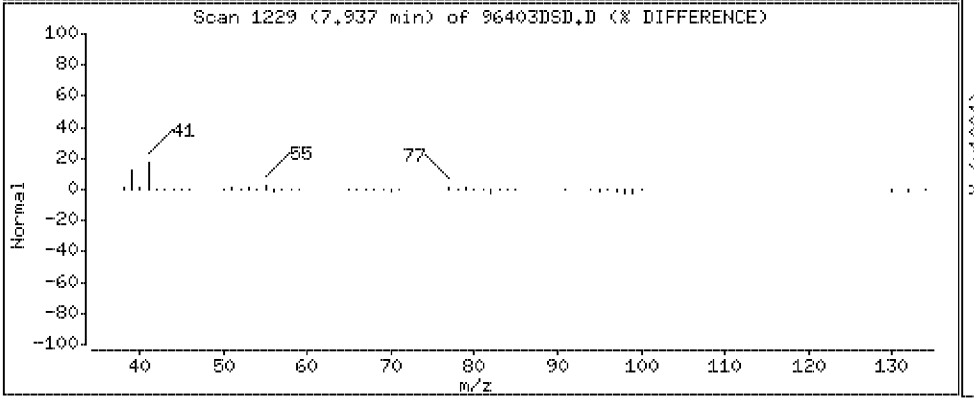
Column phase: DB-624 Column diameter: 0.18

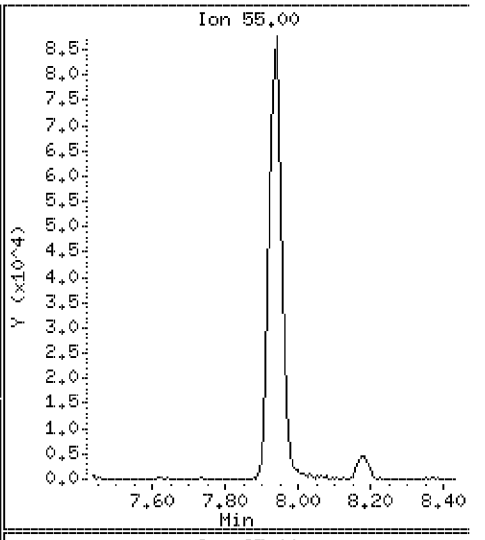
44 Methyl Cyclohexane Concentration: 102 ug/l

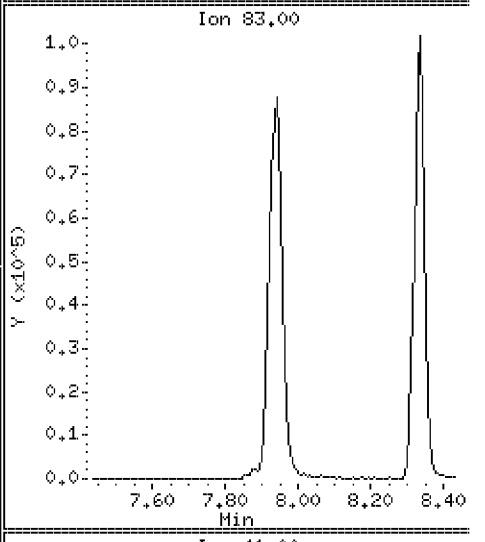


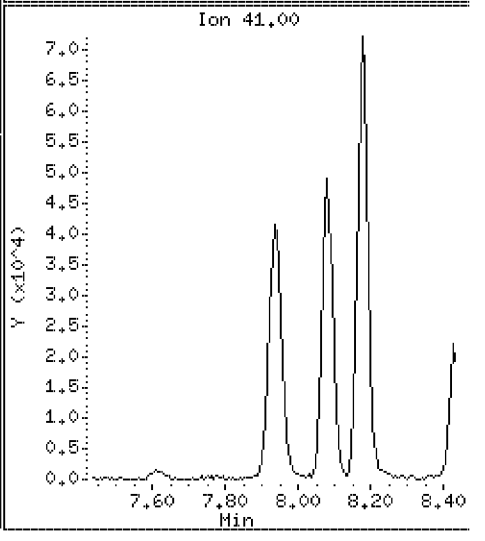












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

Client ID: TO0540AMSDBLDL1

Instrument: vms03.i

Sample Info: 250696403;2506964;5;

Purge Volume: 5.0

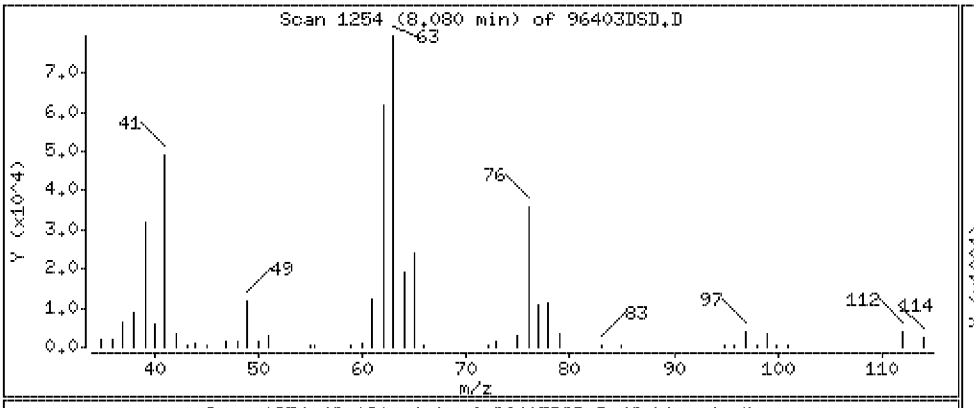
Operator:

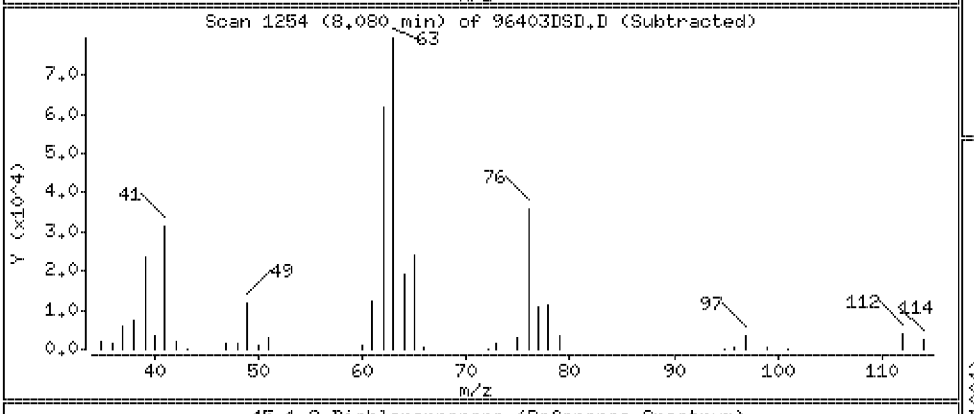
Column phase: DB-624

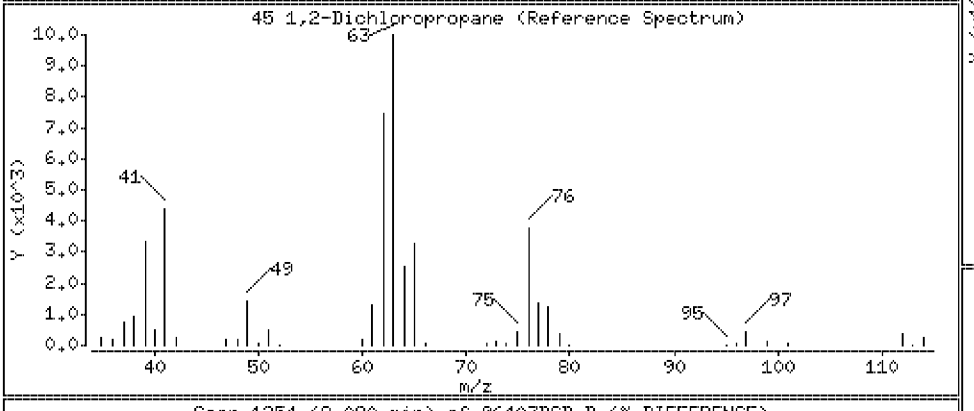
Column diameter: 0.18

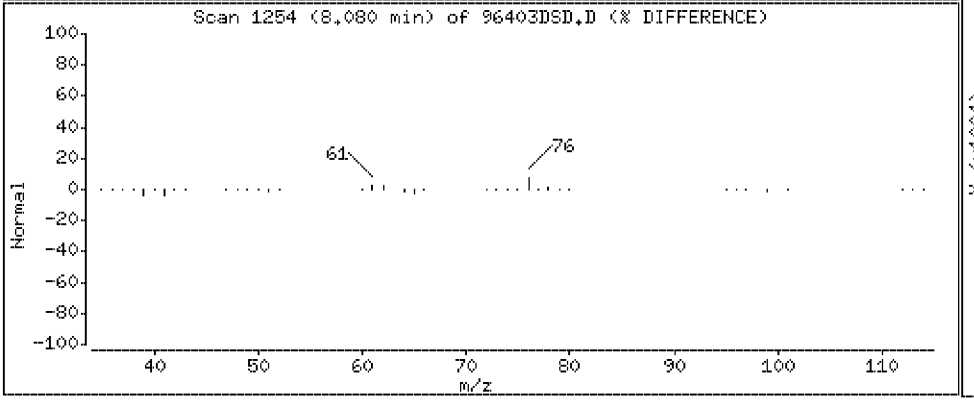
45 1,2-Dichloropropane

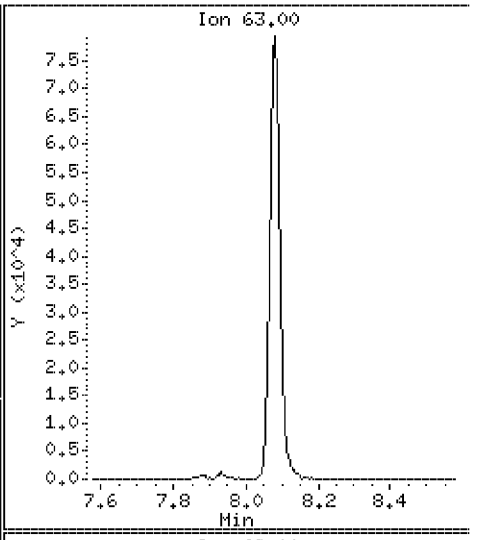
Concentration: 101 ug/l

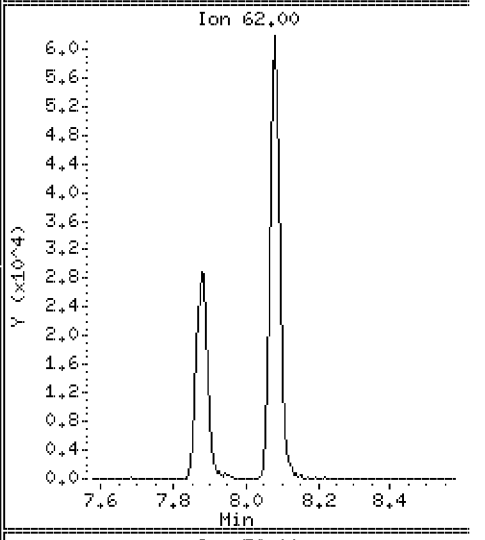


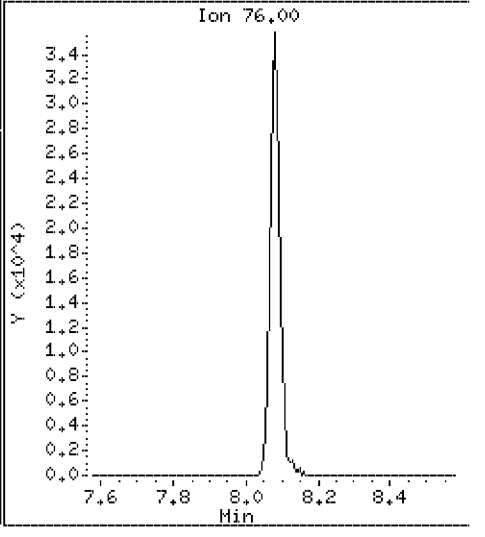












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

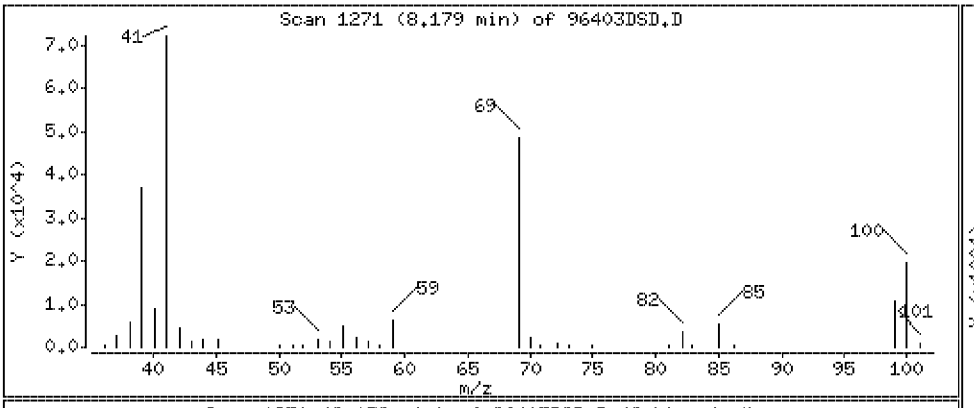
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

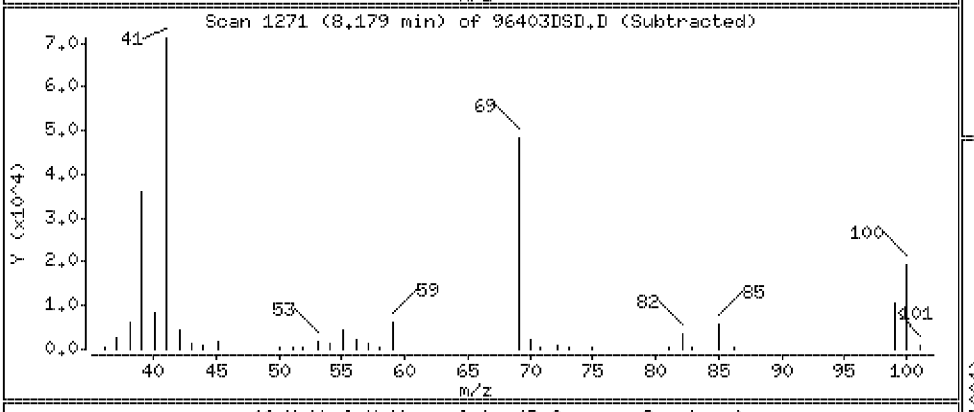
Sample Info: 250696403;2506964;5;

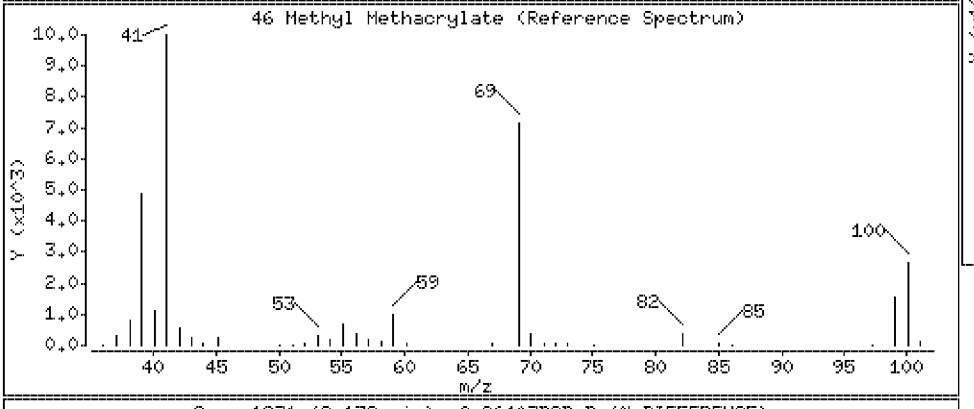
Purge Volume: 5.0 Operator:

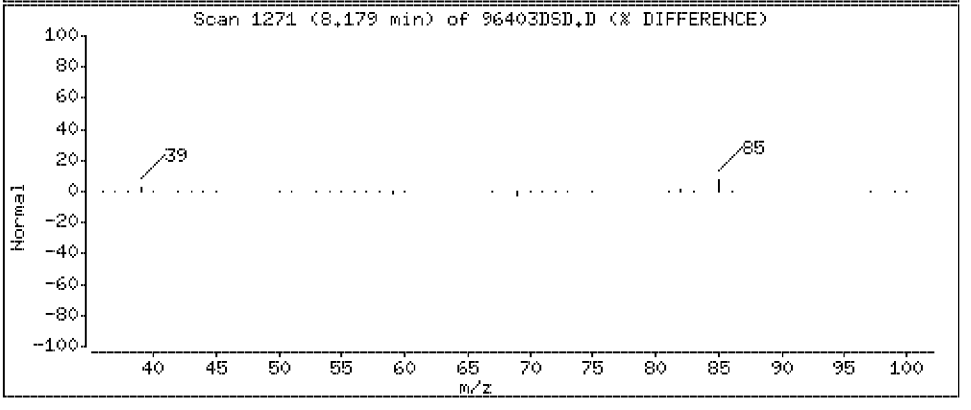
Column phase: DB-624 Column diameter: 0.18

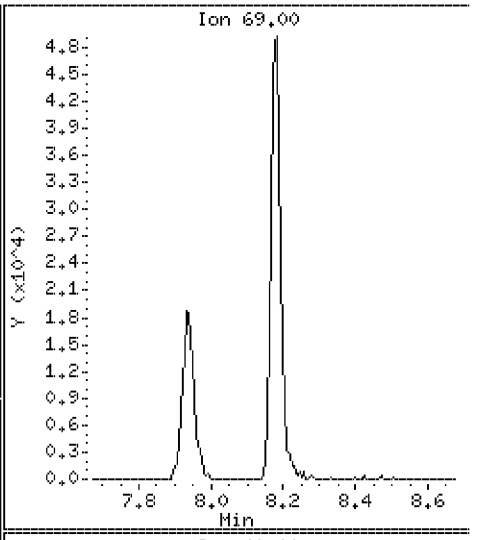
46 Methyl Methacrylate Concentration: 106 ug/l

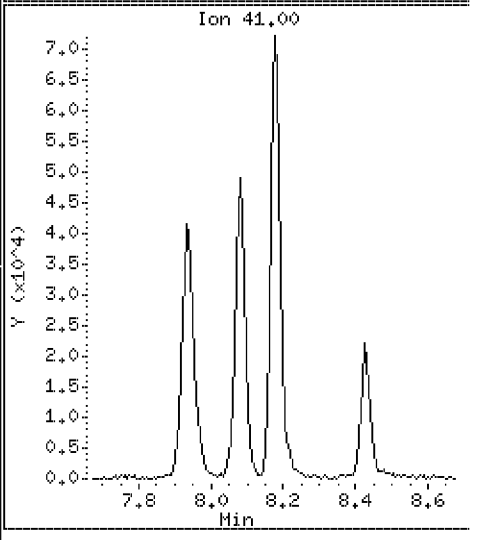












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

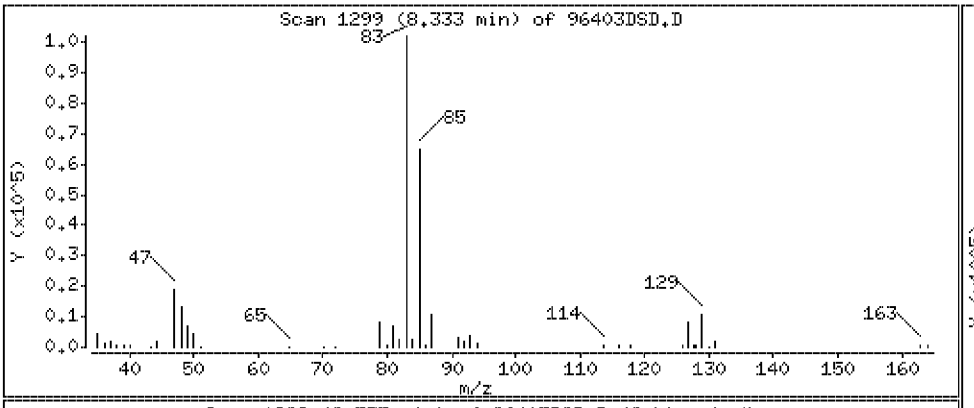
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

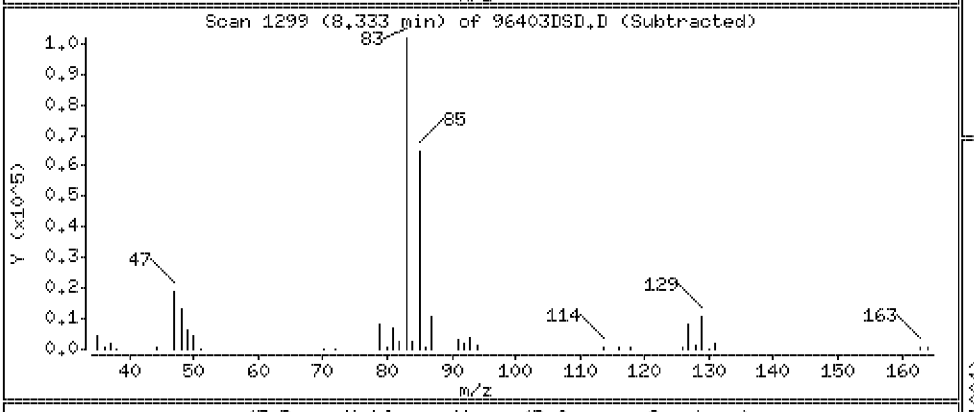
Sample Info: 250696403;2506964;5;

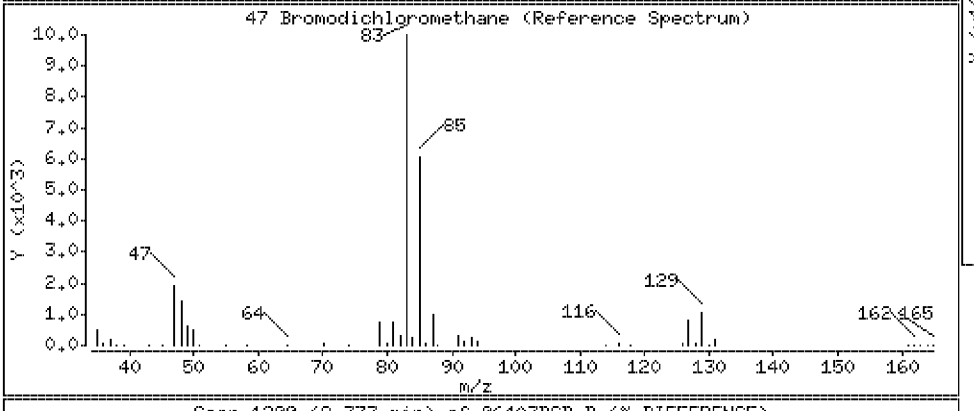
Purge Volume: 5.0 Operator:

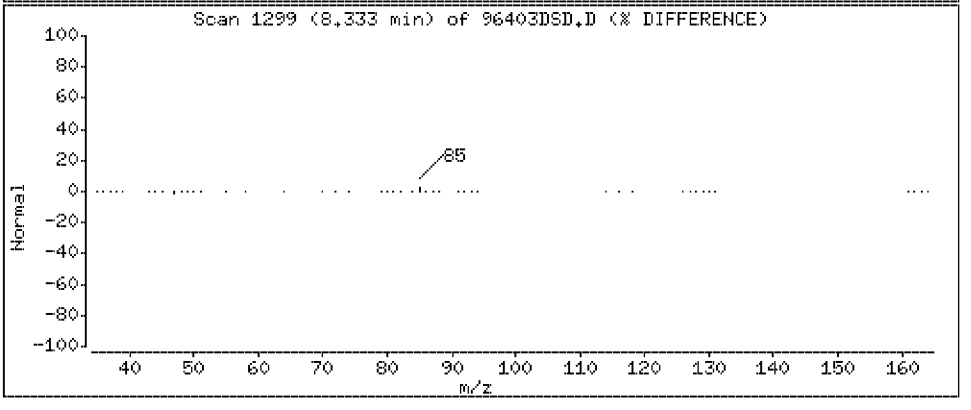
Column phase: DB-624 Column diameter: 0.18

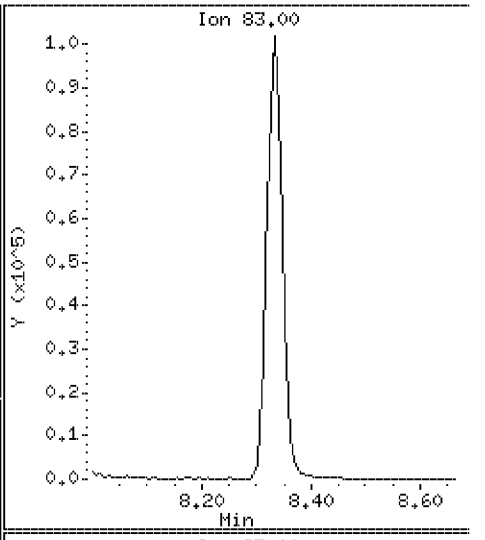
47 Bromodichloromethane Concentration: 98.0 ug/l

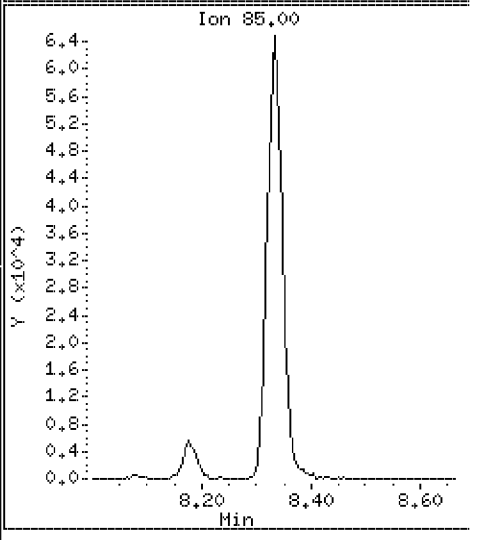












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

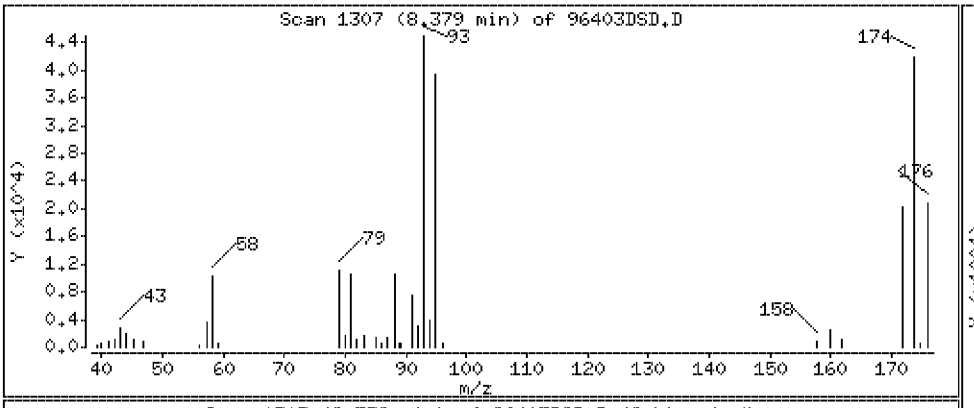
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

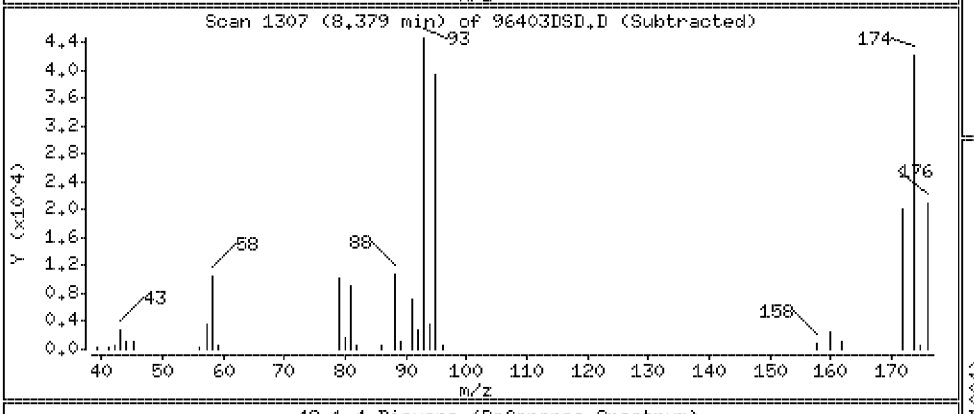
Sample Info: 250696403;2506964;5;

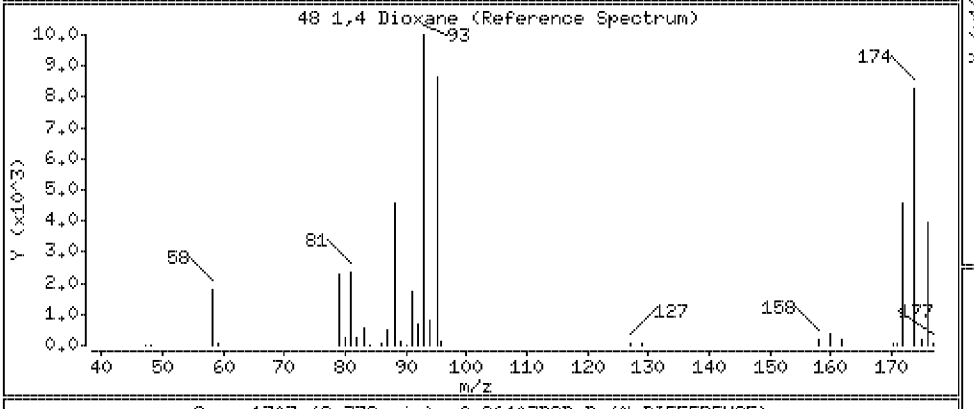
Purge Volume: 5.0 Operator:

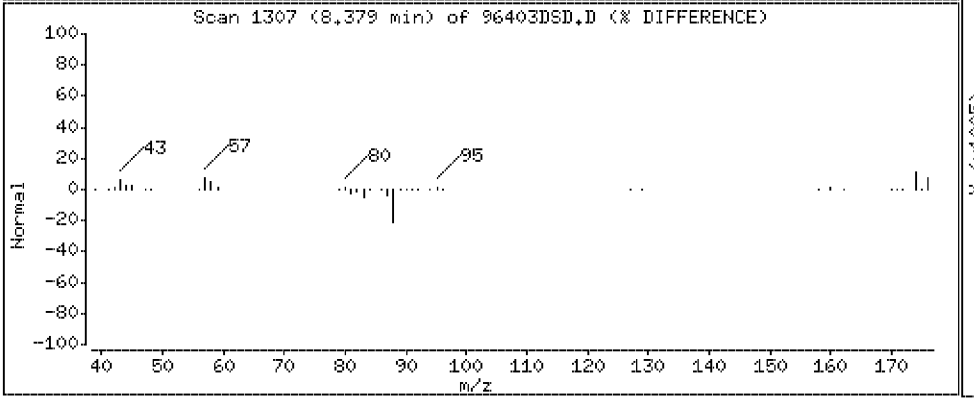
Column phase: DB-624 Column diameter: 0.18

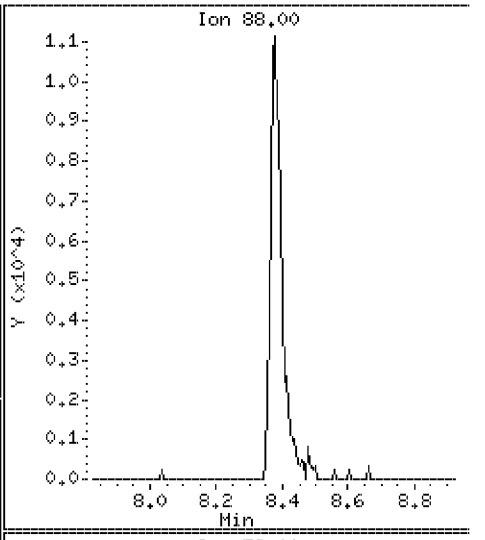
48 1,4 Dioxane Concentration: 2090 ug/l

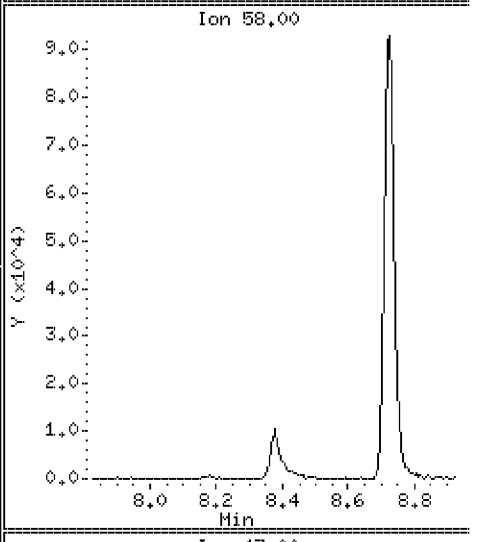


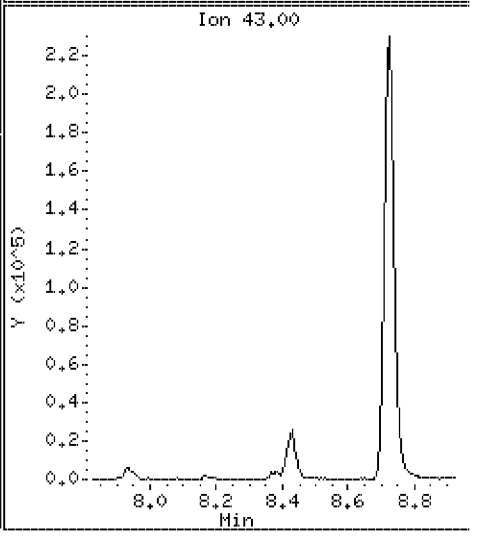












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

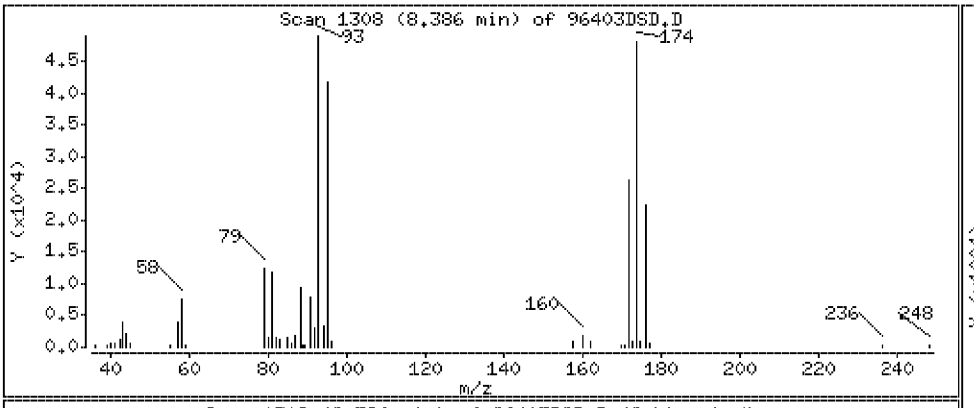
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

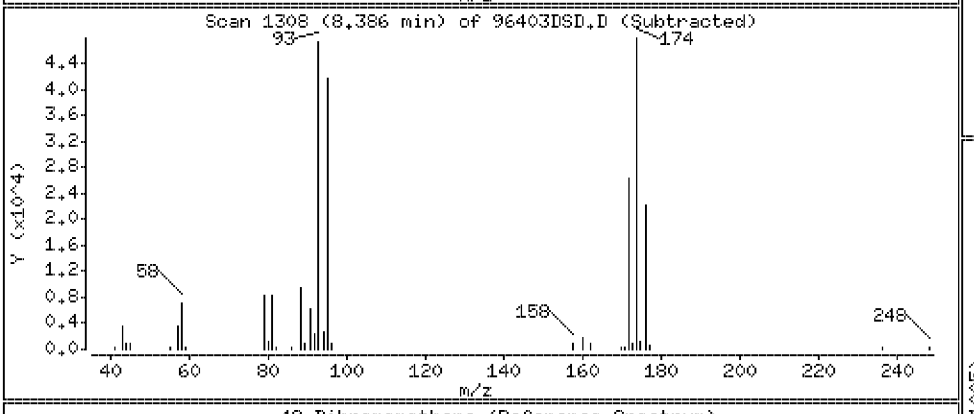
Sample Info: 250696403;2506964;5;

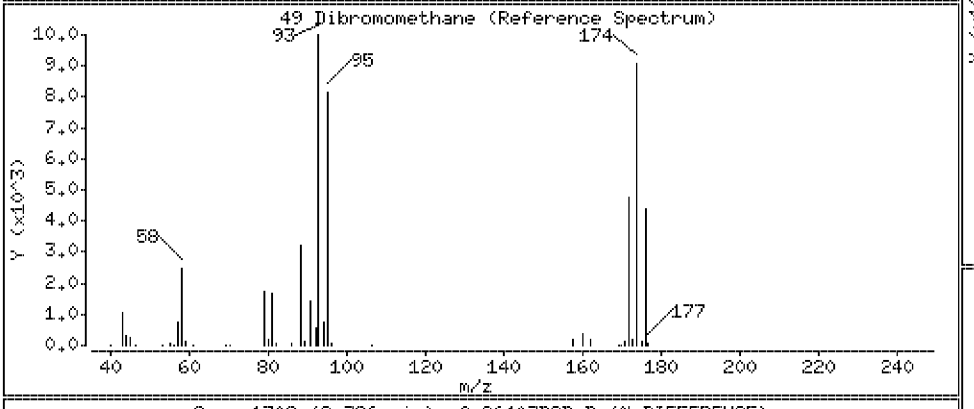
Purge Volume: 5.0 Operator:

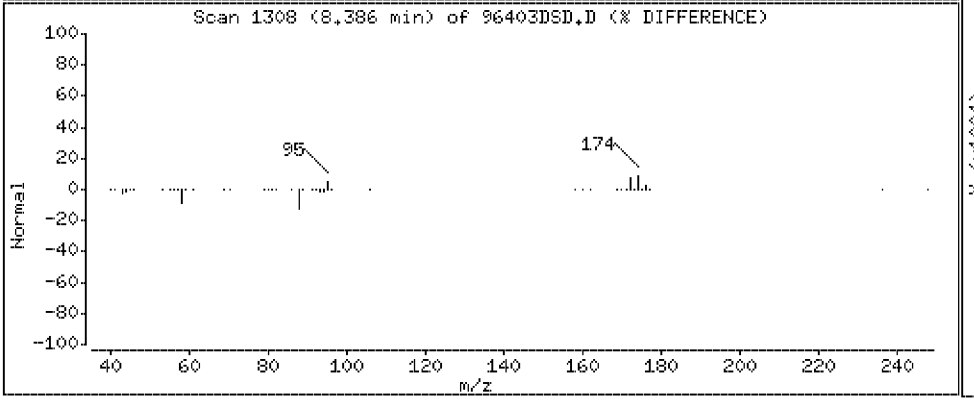
Column phase: DB-624 Column diameter: 0.18

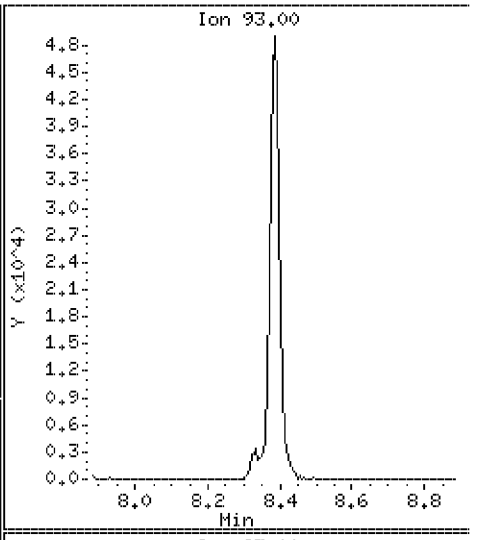
49 Dibromomethane Concentration: 99.2 ug/l

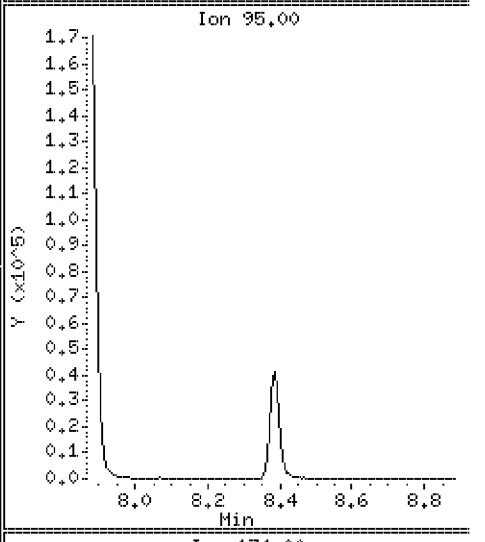


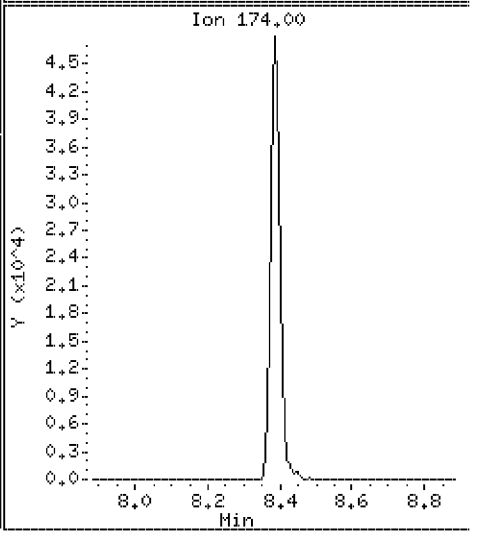












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

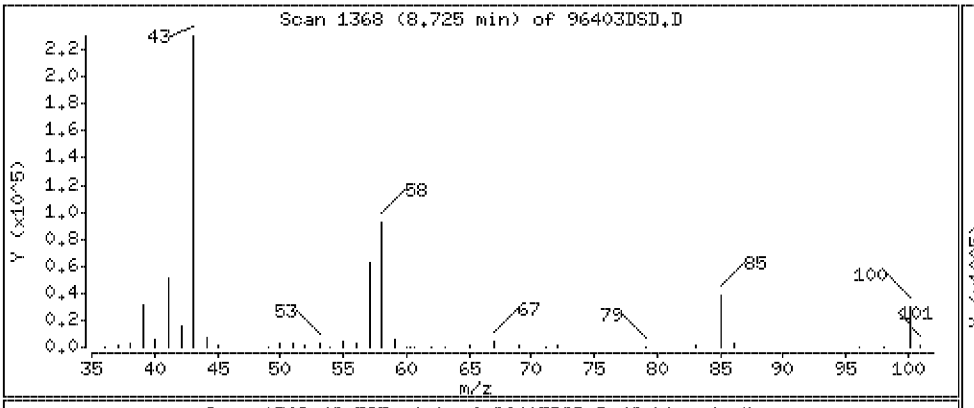
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

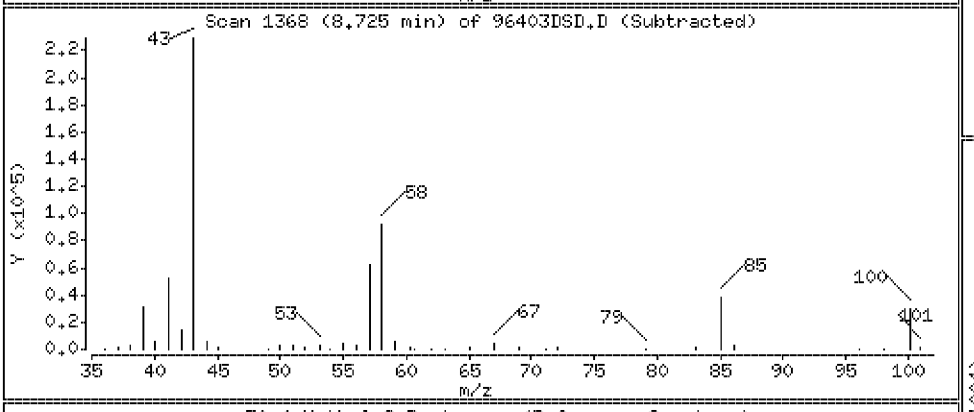
Sample Info: 250696403;2506964;5;

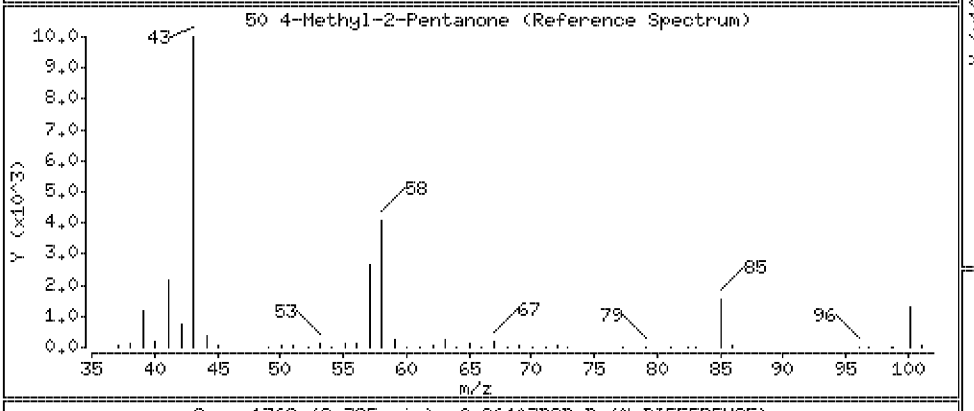
Purge Volume: 5.0 Operator:

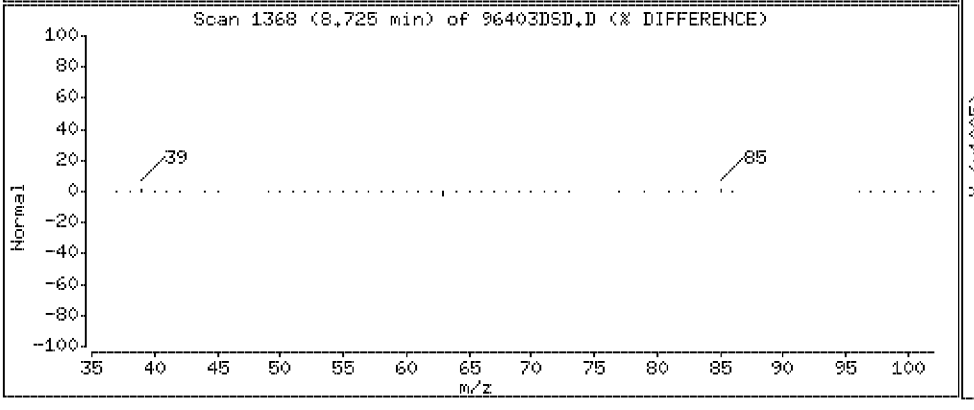
Column phase: DB-624 Column diameter: 0.18

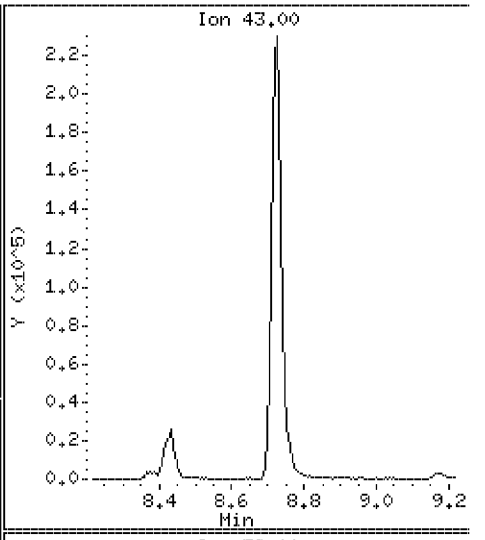
50 4-Methyl-2-Pentanone Concentration: 279 ug/l

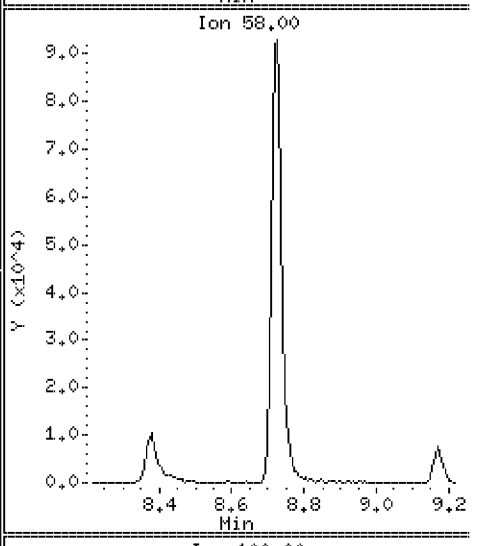


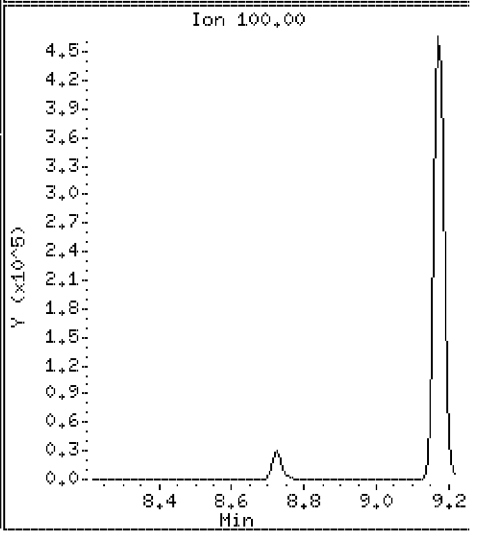












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

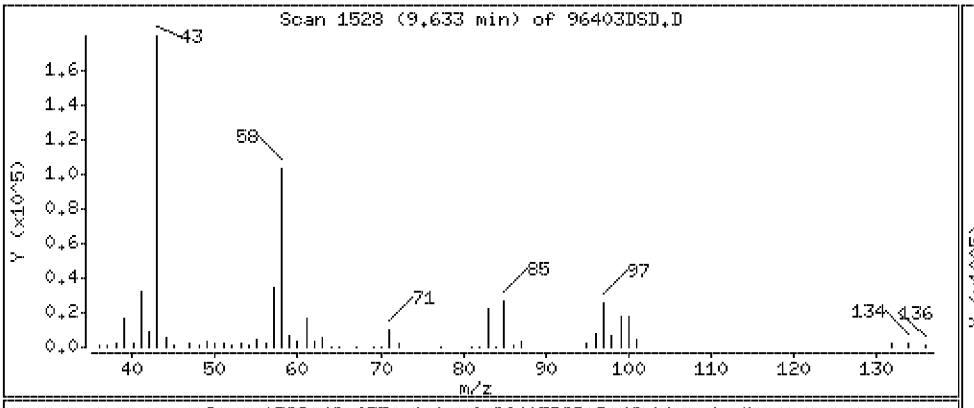
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

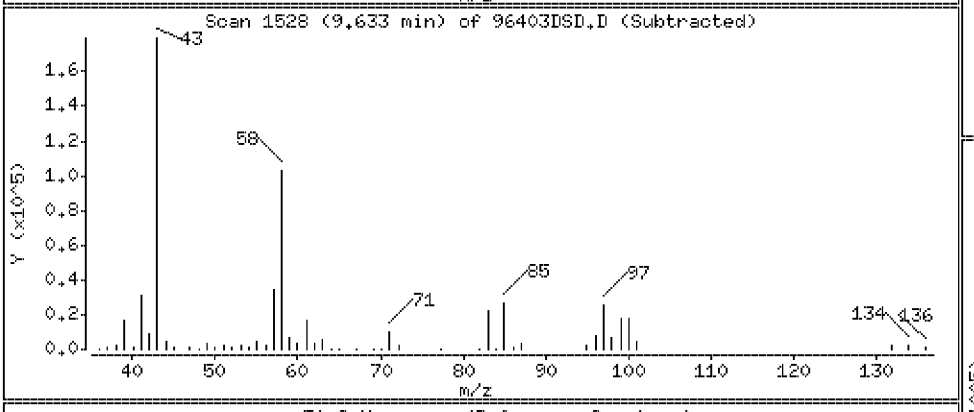
Sample Info: 250696403;2506964;5;

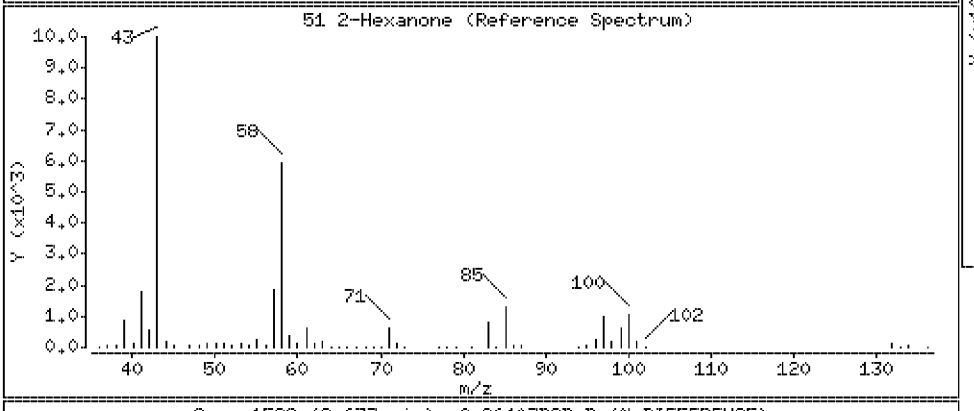
Purge Volume: 5.0 Operator:

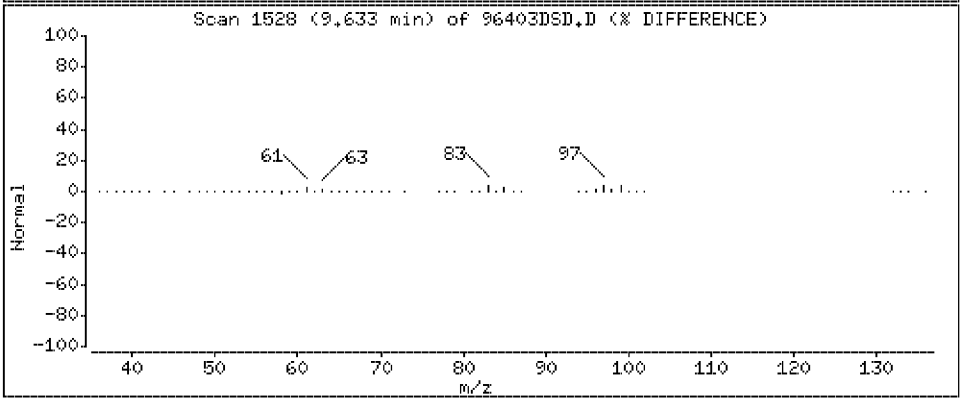
Column phase: DB-624 Column diameter: 0.18

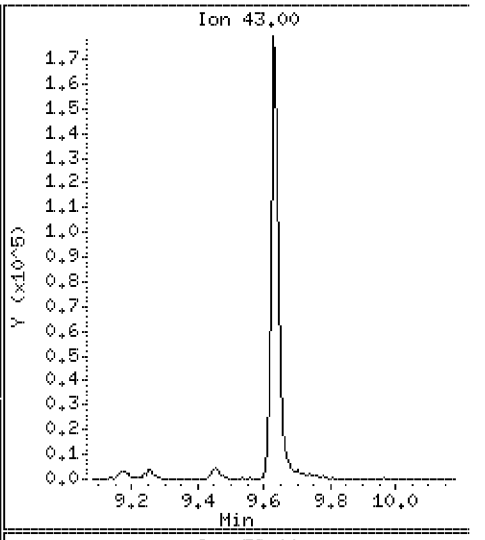
51 2-Hexanone Concentration: 301 ug/l

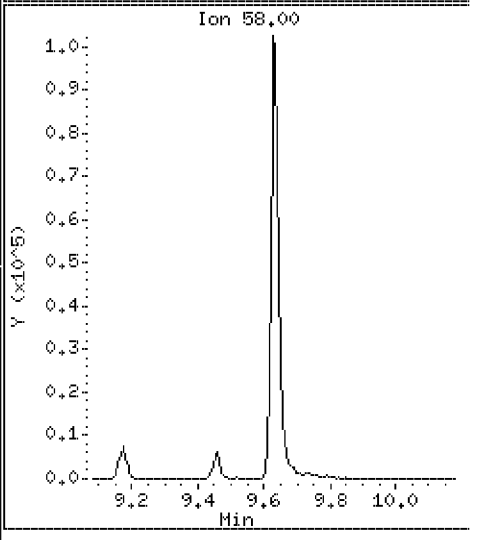












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

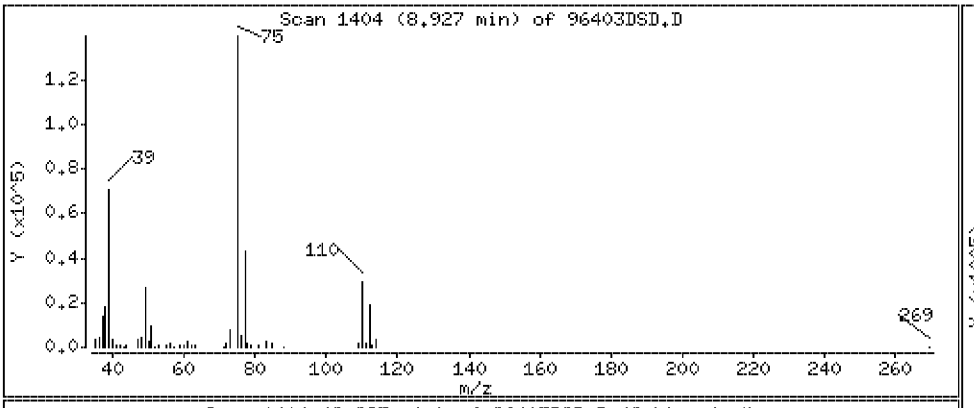
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

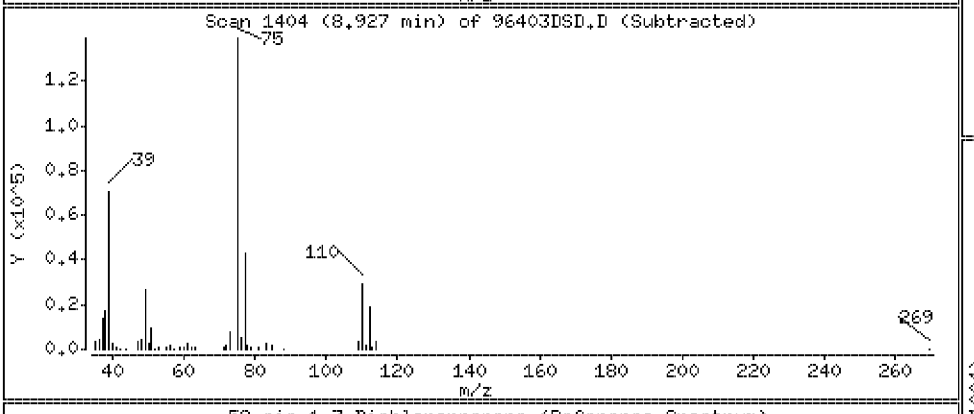
Sample Info: 250696403;2506964;5;

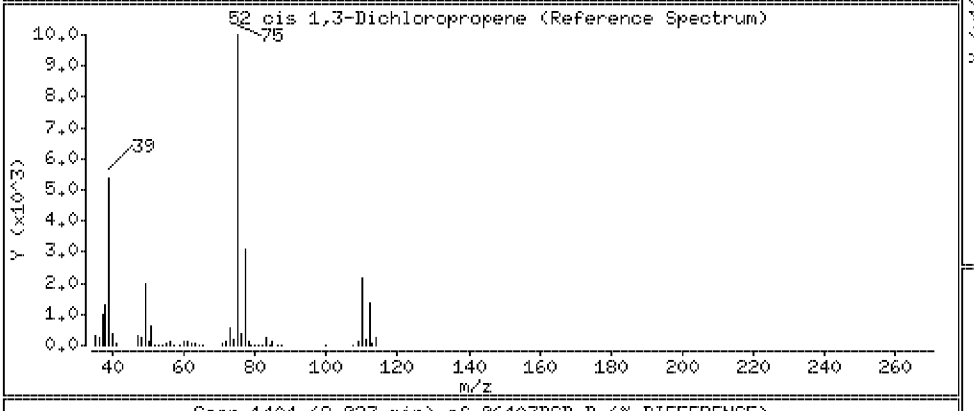
Purge Volume: 5.0 Operator:

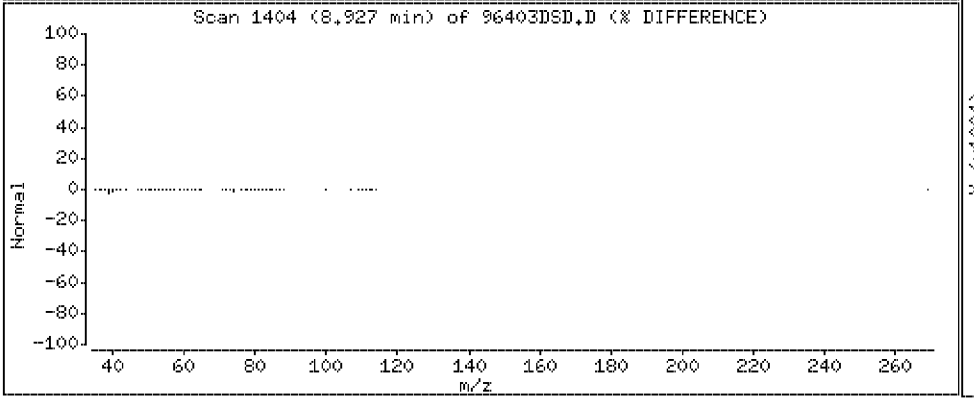
Column phase: DB-624 Column diameter: 0.18

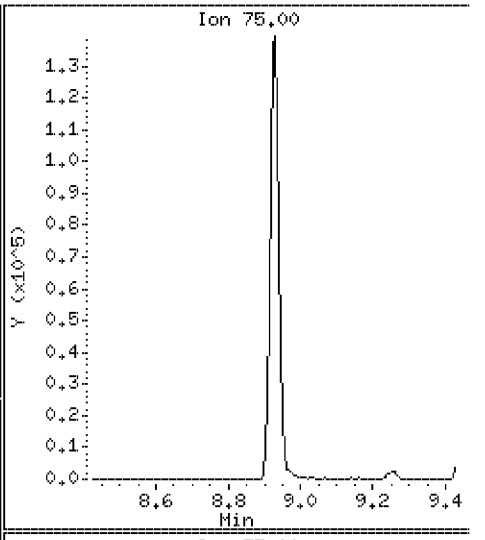
52 cis 1,3-Dichloropropene Concentration: 100 ug/l

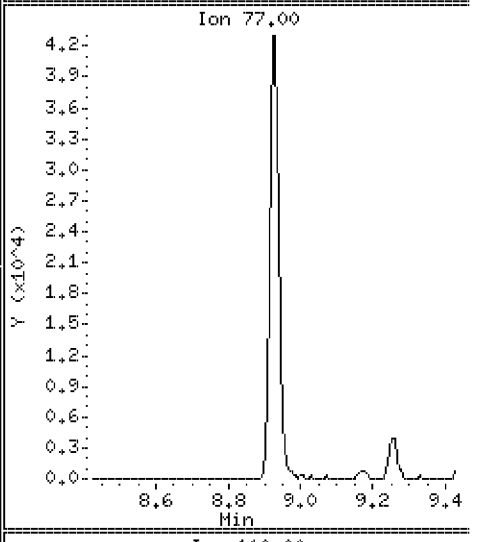


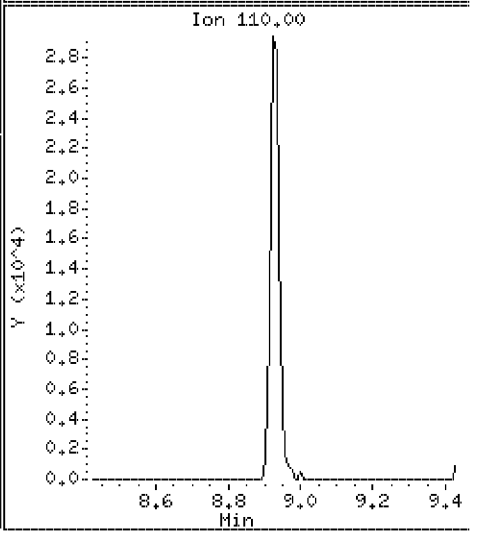












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

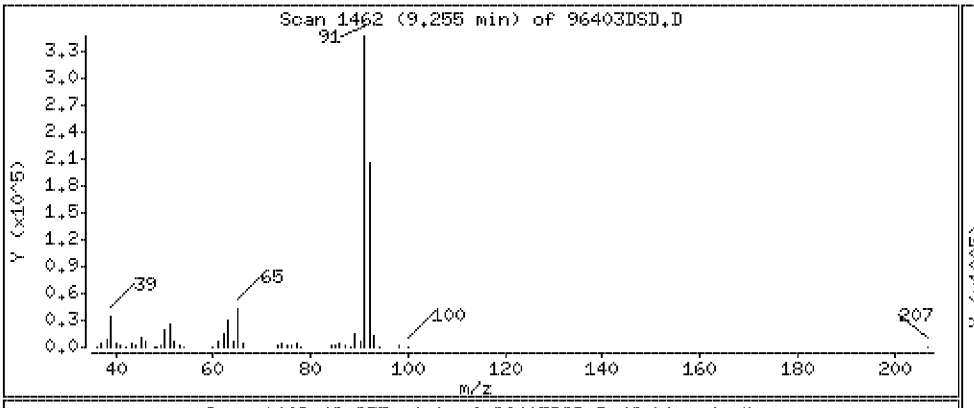
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

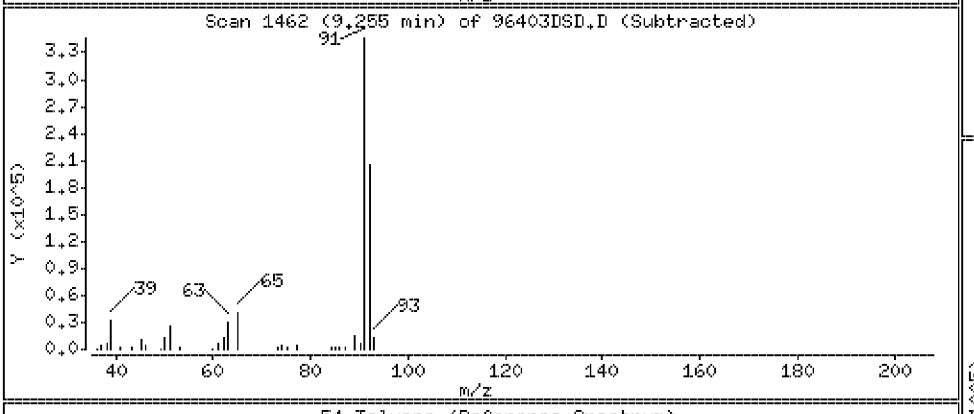
Sample Info: 250696403;2506964;5;

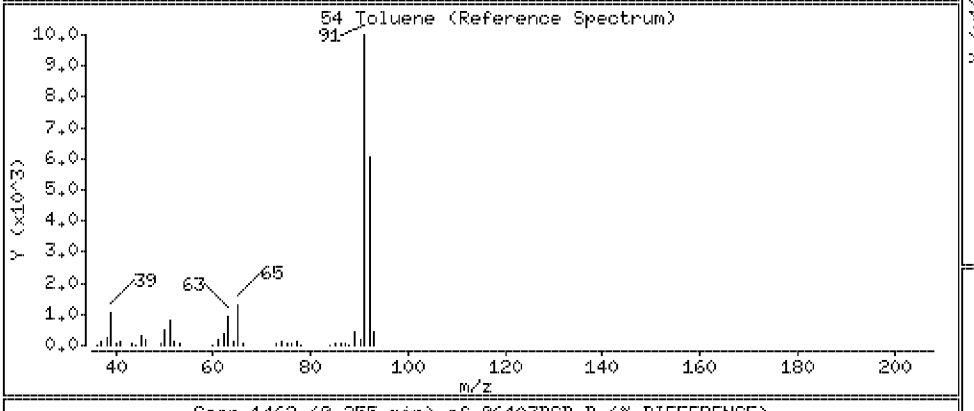
Purge Volume: 5.0 Operator:

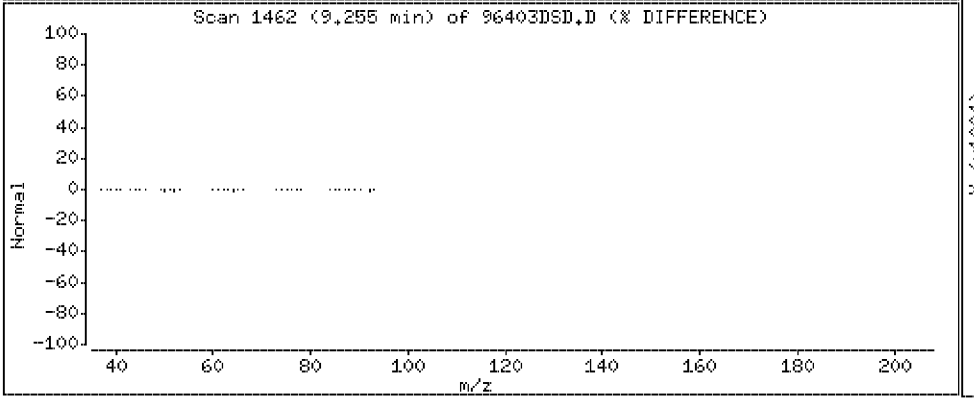
Column phase: DB-624 Column diameter: 0.18

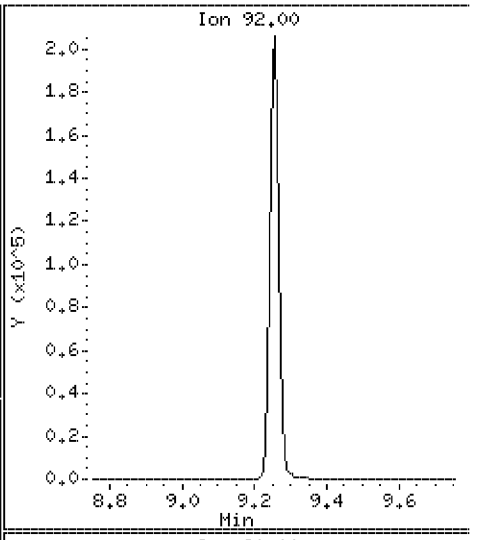
54 Toluene Concentration: 101 ug/l

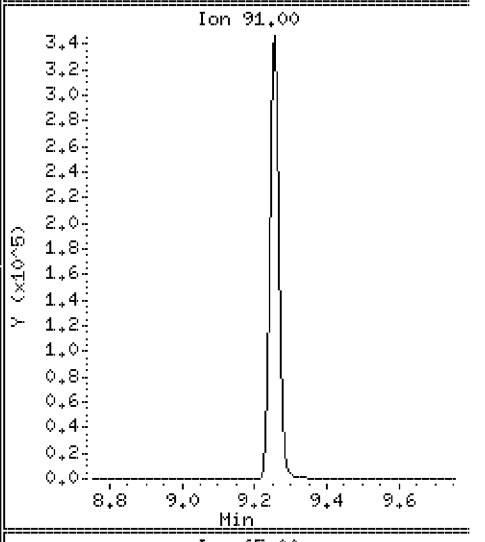


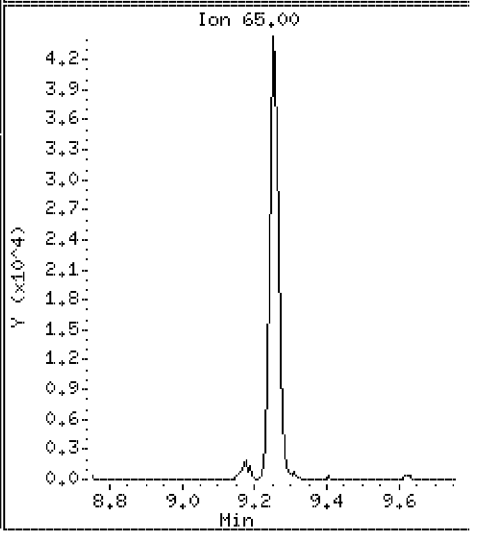












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

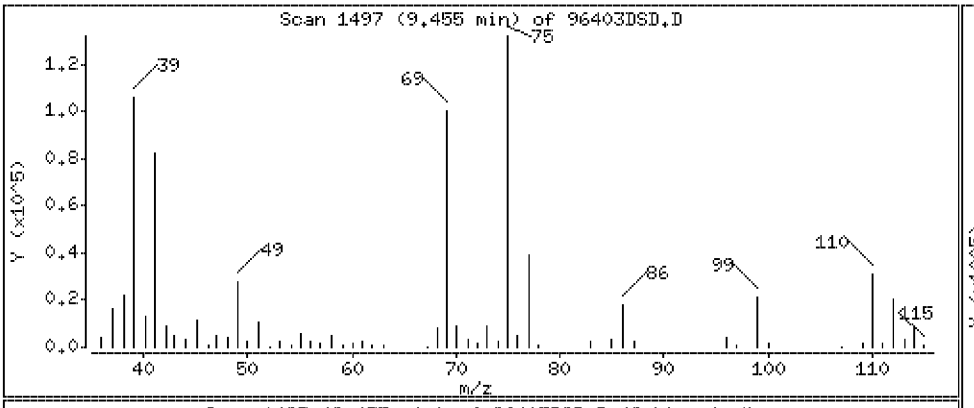
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

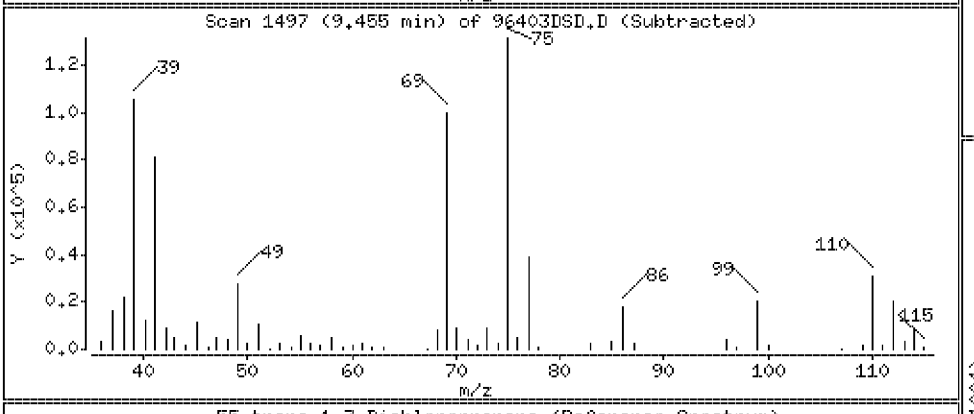
Sample Info: 250696403;2506964;5;

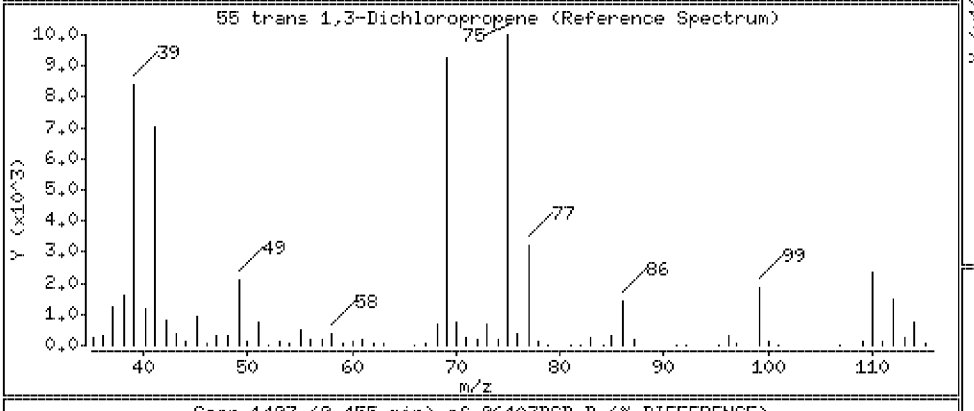
Purge Volume: 5.0 Operator:

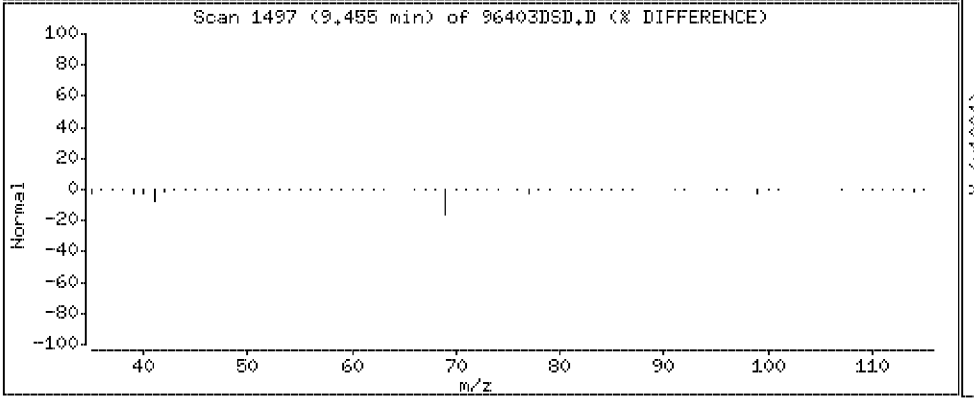
Column phase: DB-624 Column diameter: 0.18

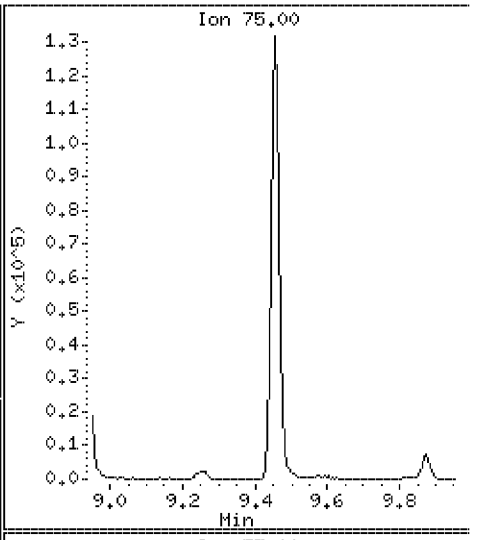
55 trans 1,3-Dichloropropene Concentration: 103 ug/l

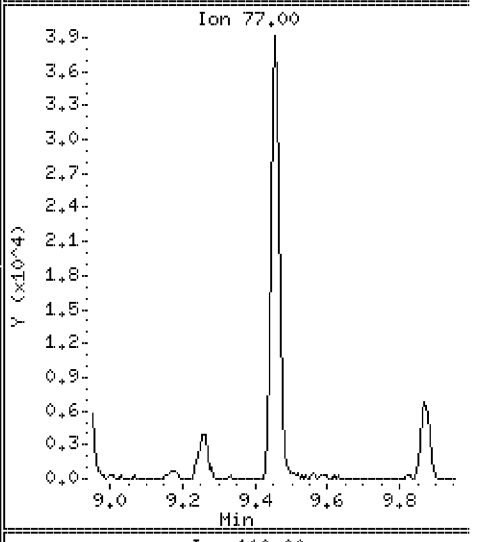


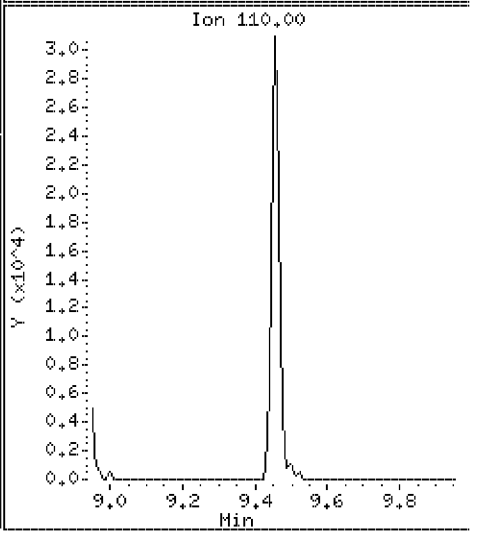












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

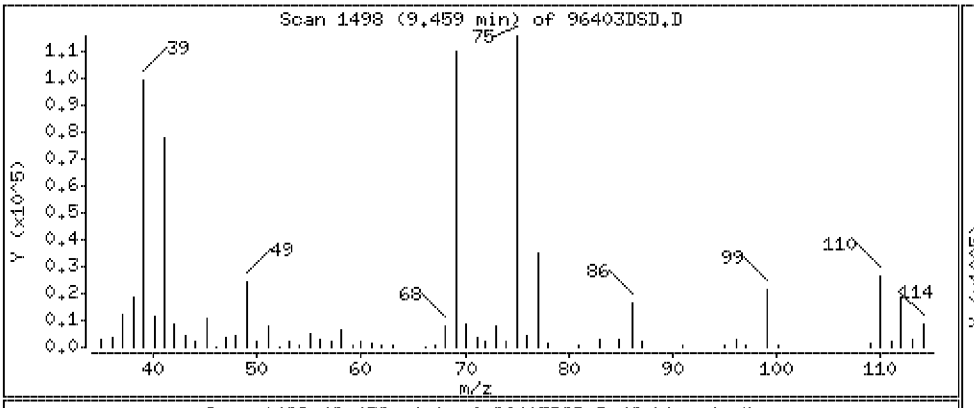
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

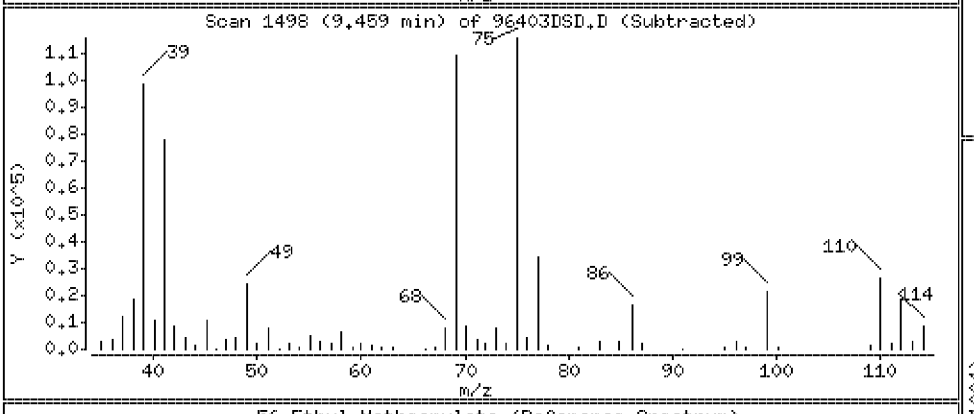
Sample Info: 250696403;2506964;5;

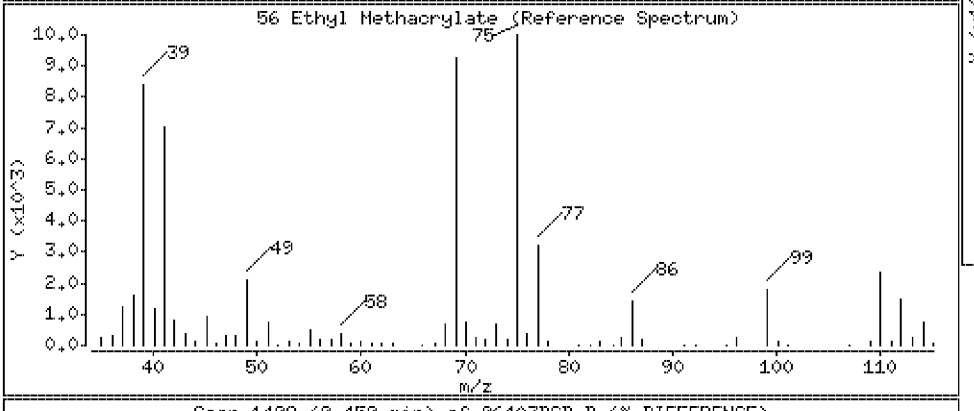
Purge Volume: 5.0 Operator:

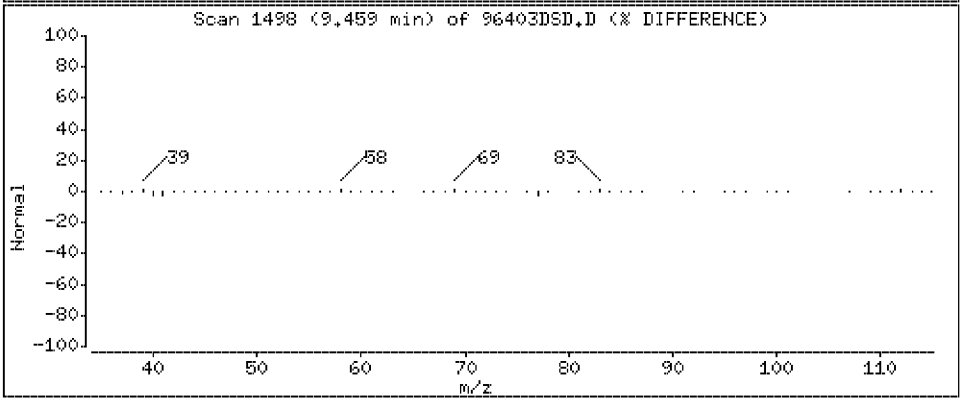
Column phase: DB-624 Column diameter: 0.18

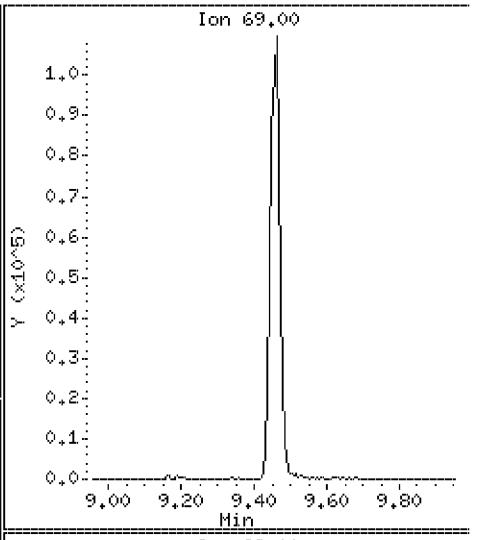
56 Ethyl Methacrylate Concentration: 110 ug/l

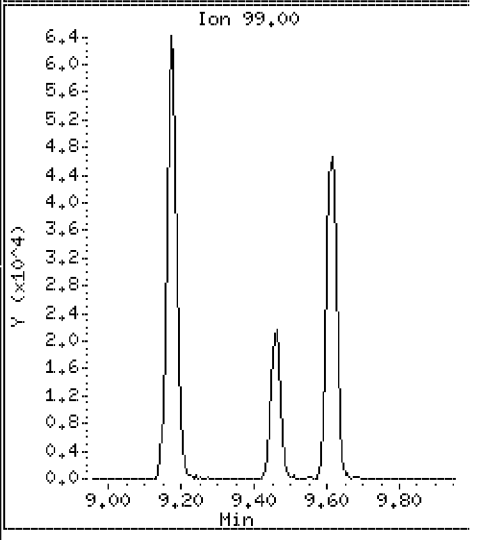












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

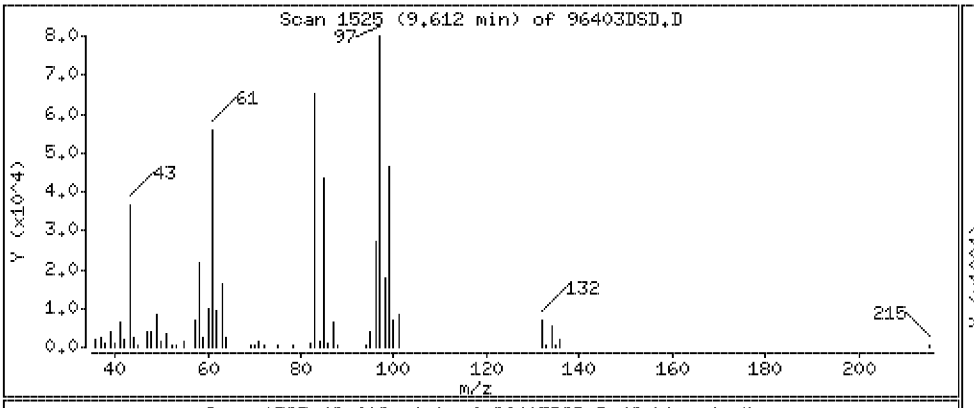
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

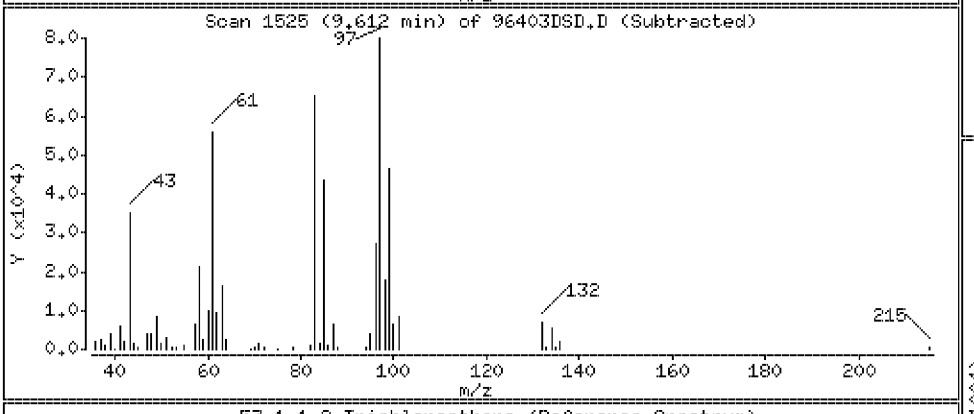
Sample Info: 250696403;2506964;5;

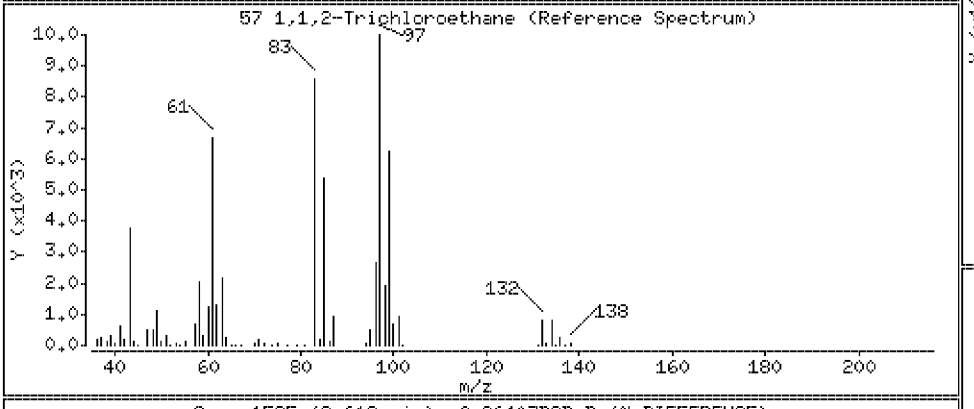
Purge Volume: 5.0 Operator:

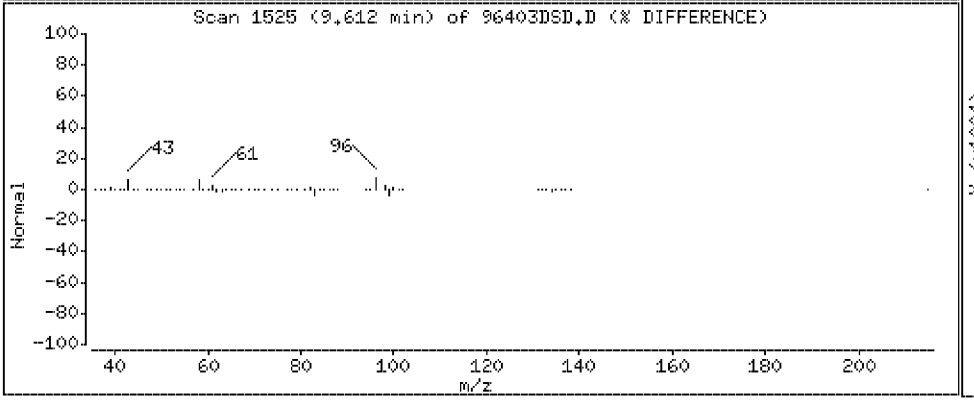
Column phase: DB-624 Column diameter: 0.18

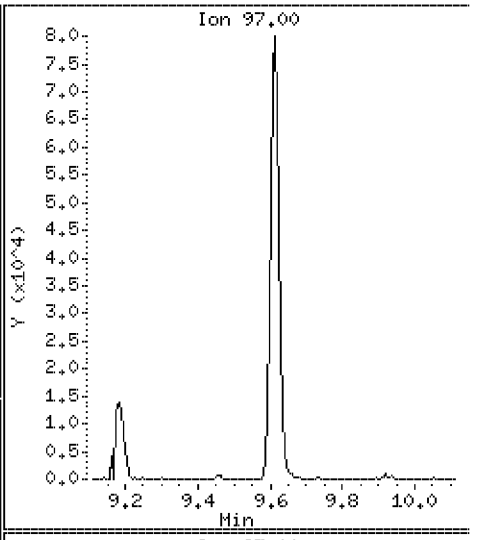
57 1,1,2-Trichloroethane Concentration: 101 ug/l

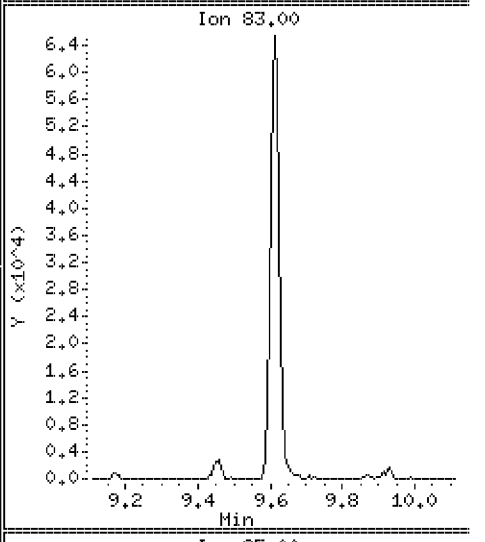


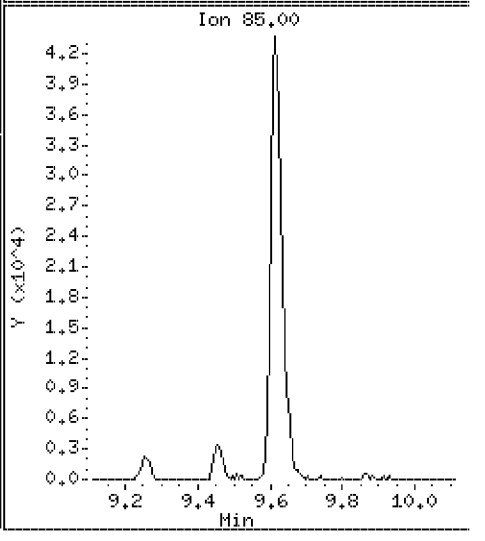












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

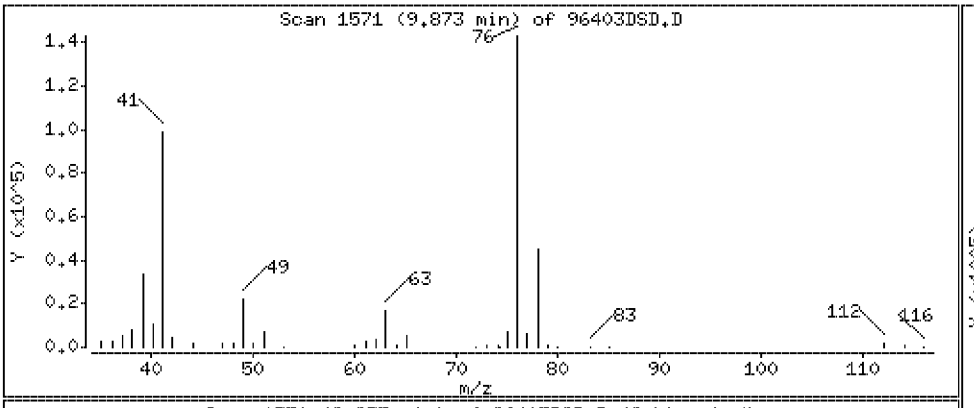
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

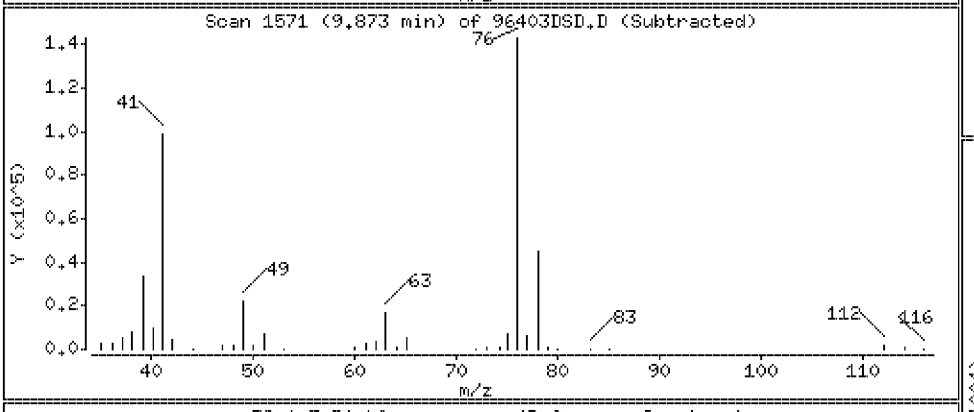
Sample Info: 250696403;2506964;5;

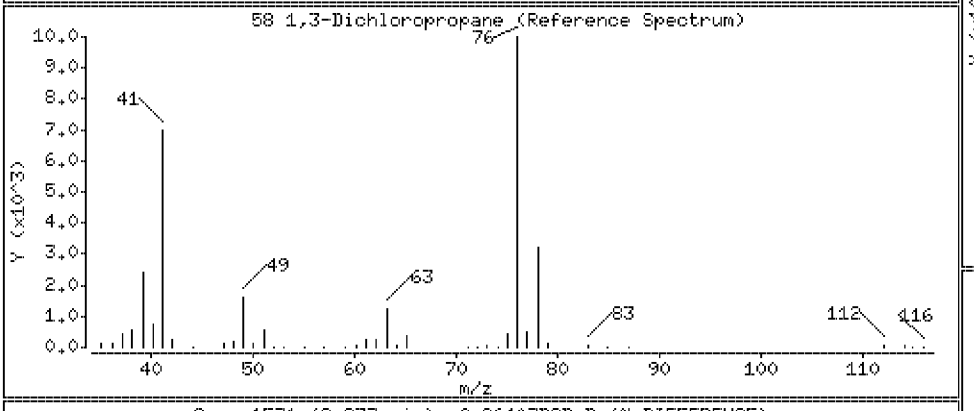
Purge Volume: 5.0 Operator:

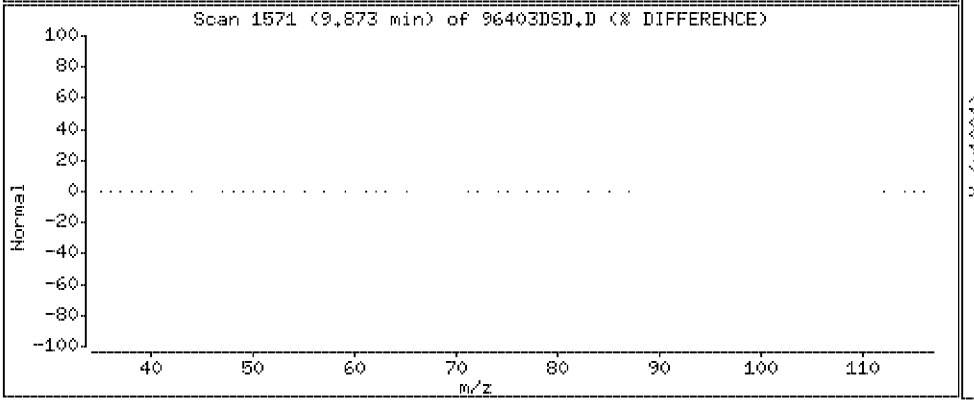
Column phase: DB-624 Column diameter: 0.18

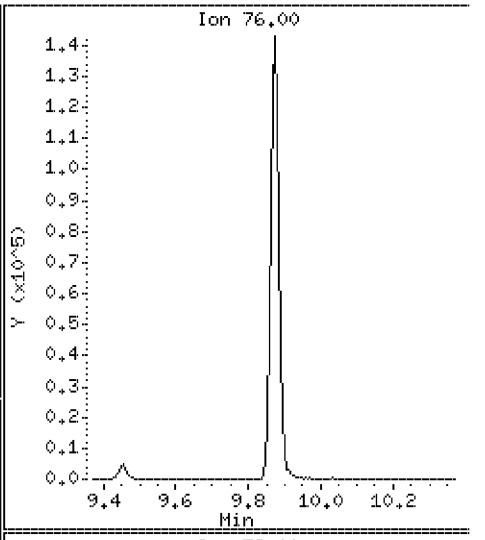
58 1,3-Dichloropropane Concentration: 98.5 ug/l

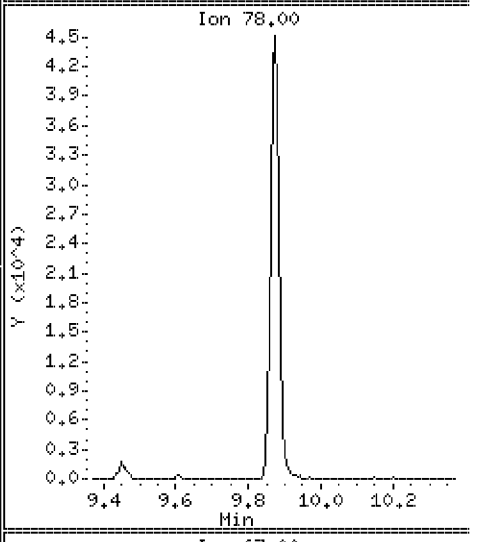


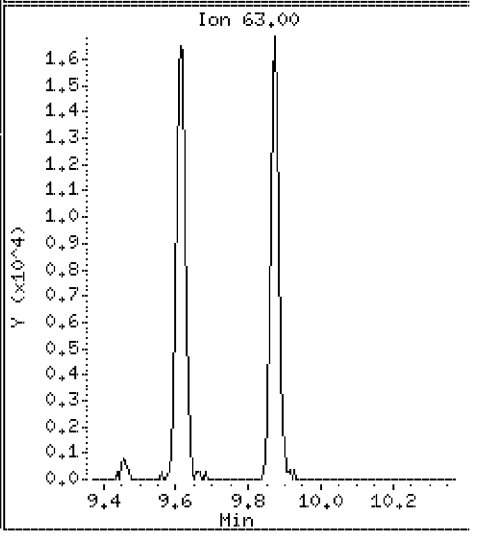












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

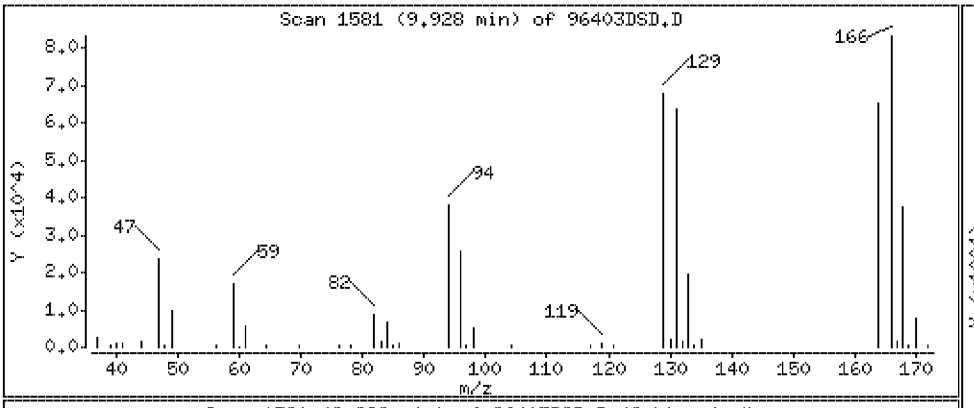
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

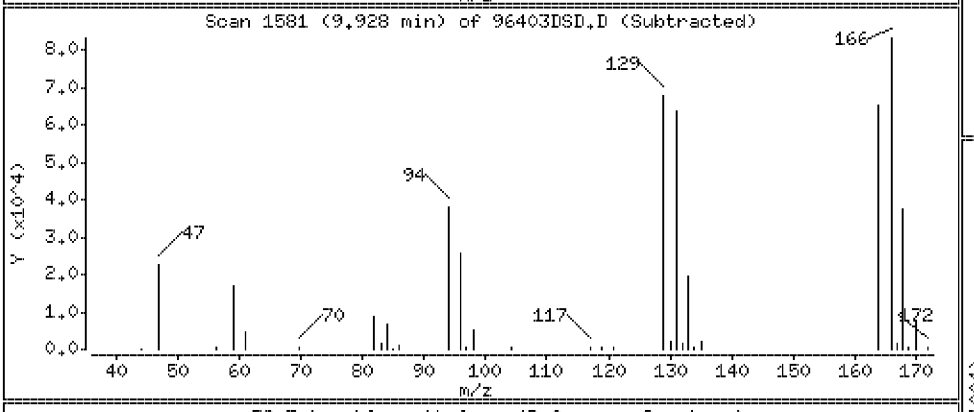
Sample Info: 250696403;2506964;5;

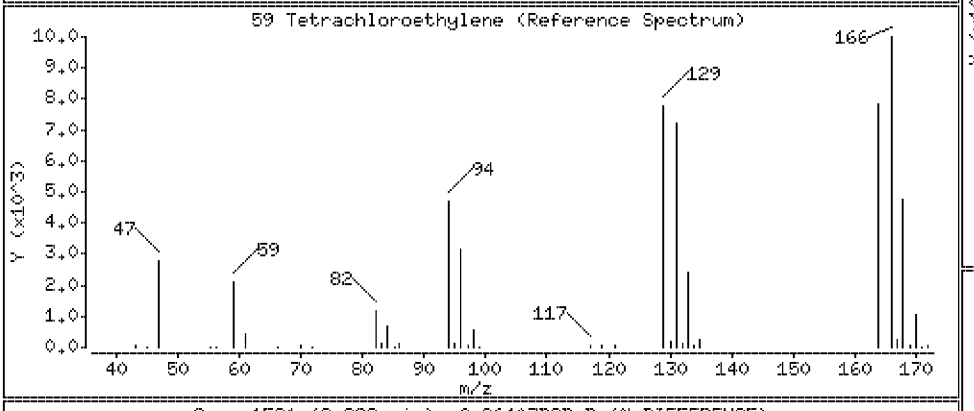
Purge Volume: 5.0 Operator:

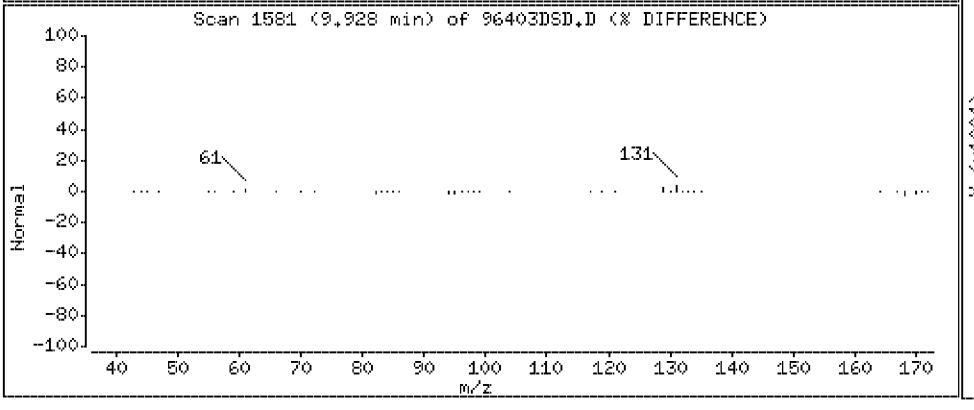
Column phase: DB-624 Column diameter: 0.18

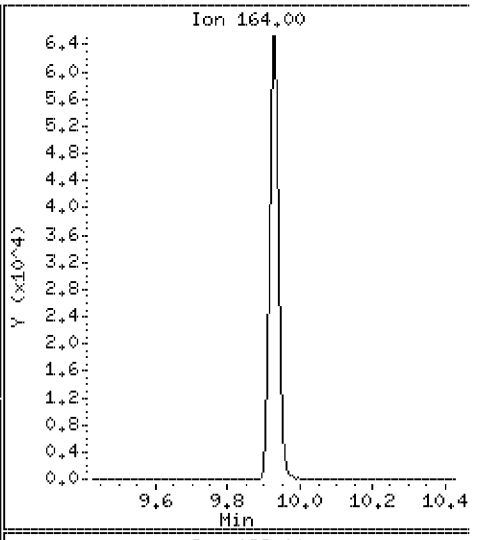
59 Tetrachloroethylene Concentration: 101 ug/l

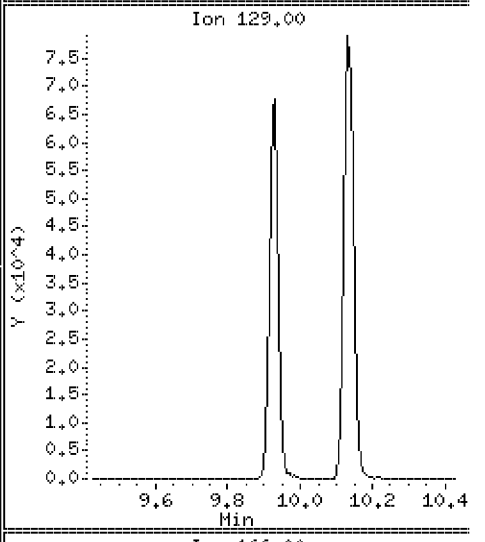


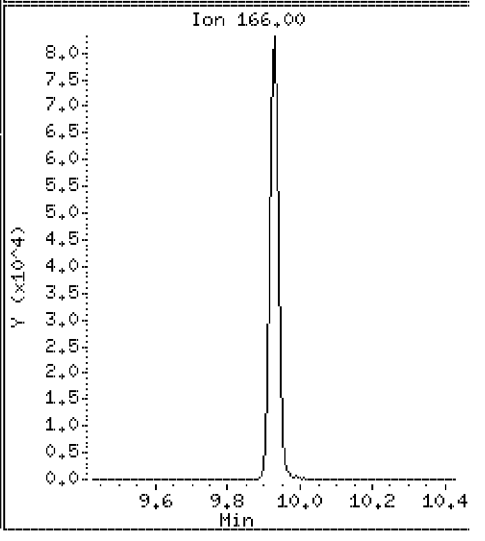












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

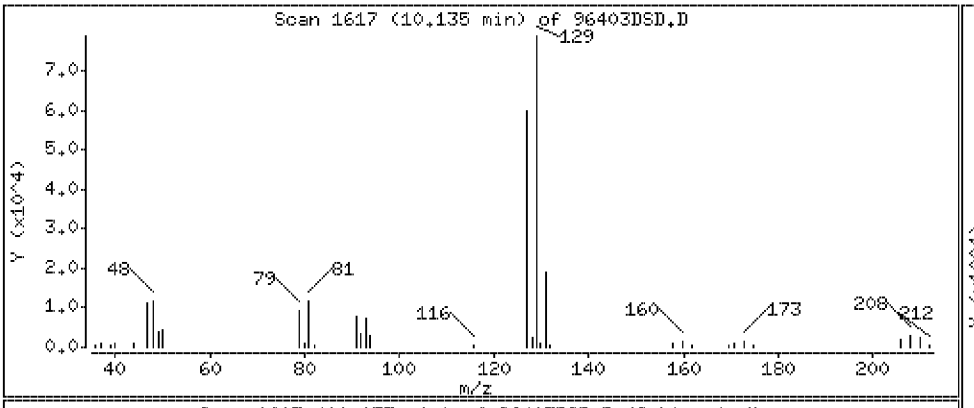
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

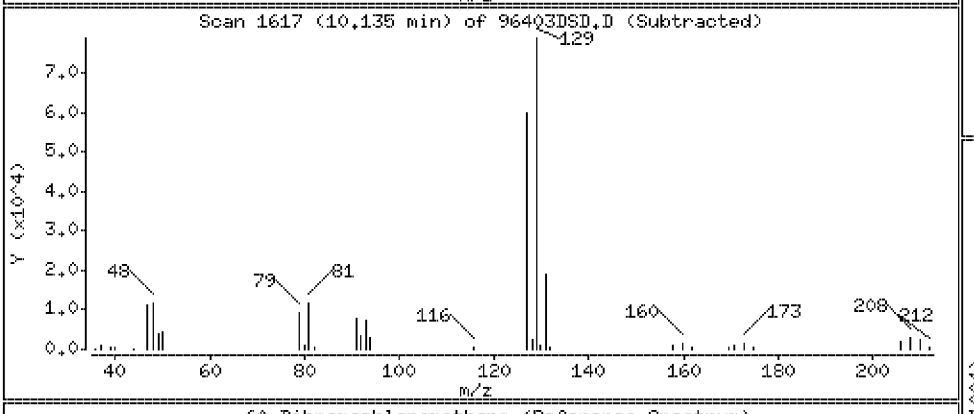
Sample Info: 250696403;2506964;5;

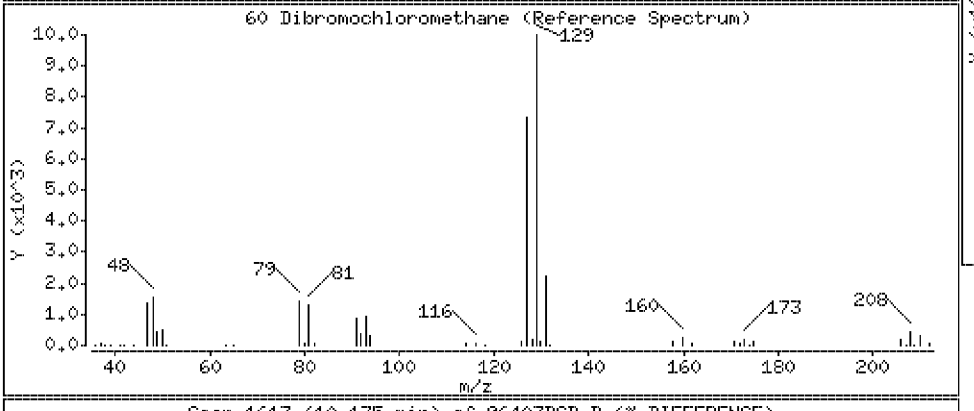
Purge Volume: 5.0 Operator:

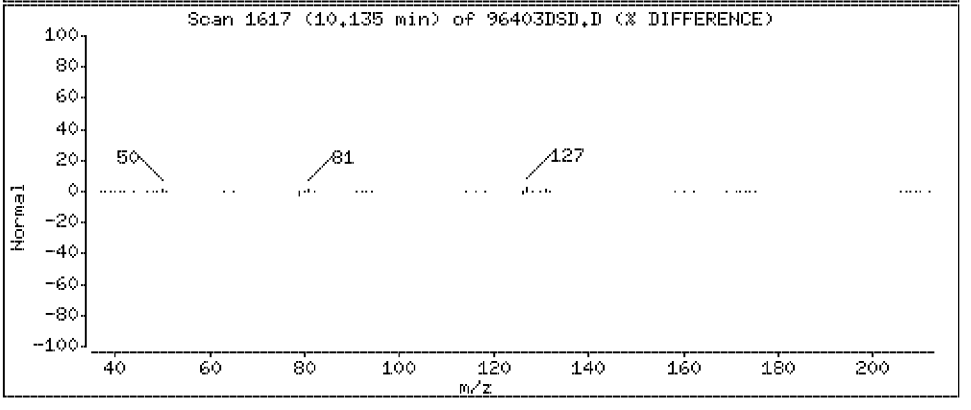
Column phase: DB-624 Column diameter: 0.18

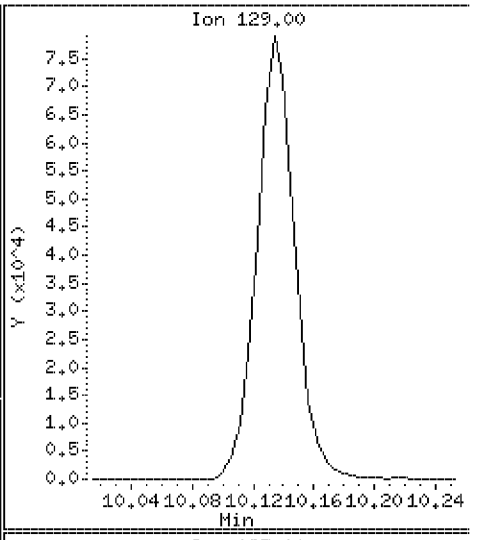
60 Dibromochloromethane Concentration: 97.1 ug/l

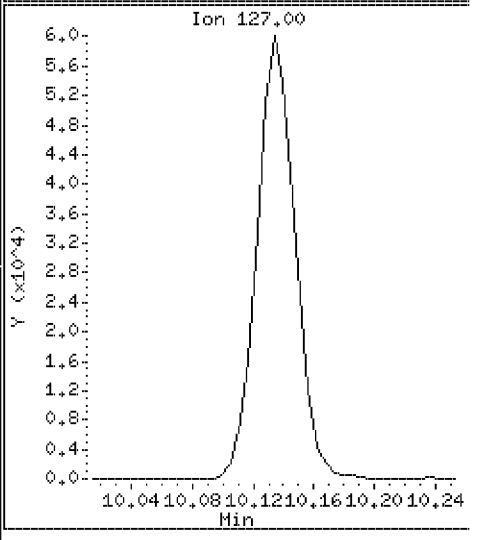












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

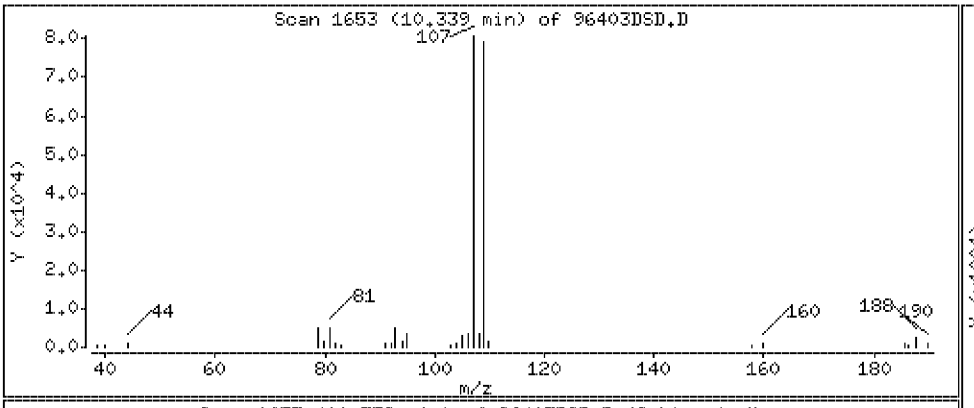
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

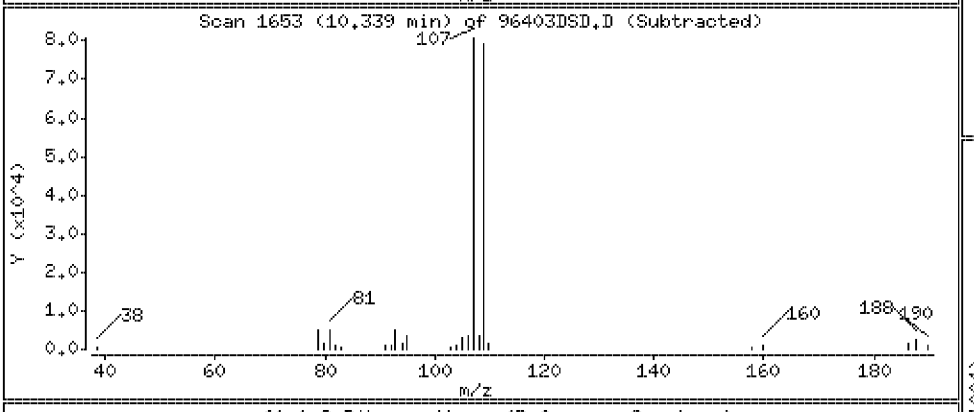
Sample Info: 250696403;2506964;5;

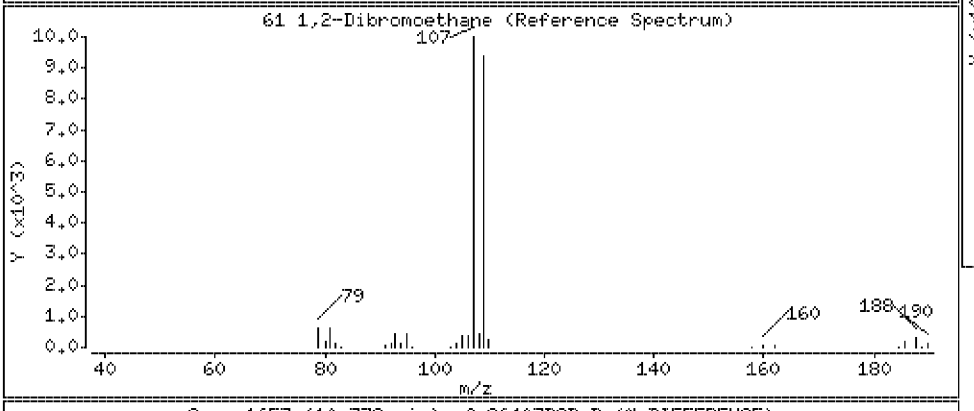
Purge Volume: 5.0 Operator:

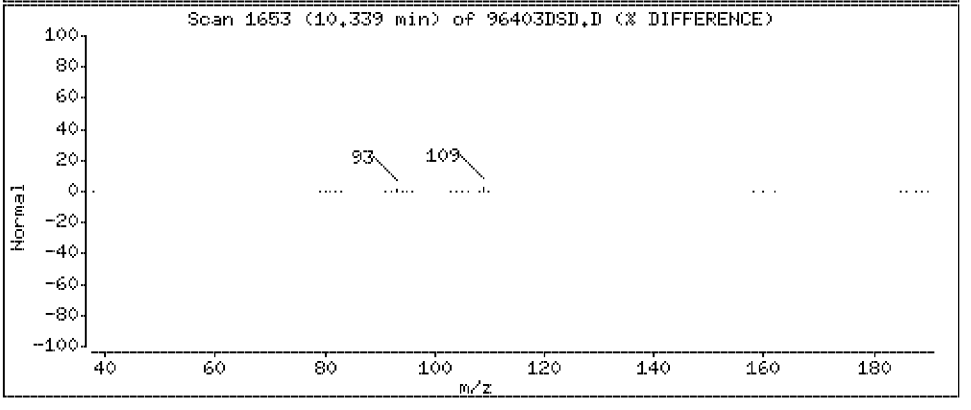
Column phase: DB-624 Column diameter: 0.18

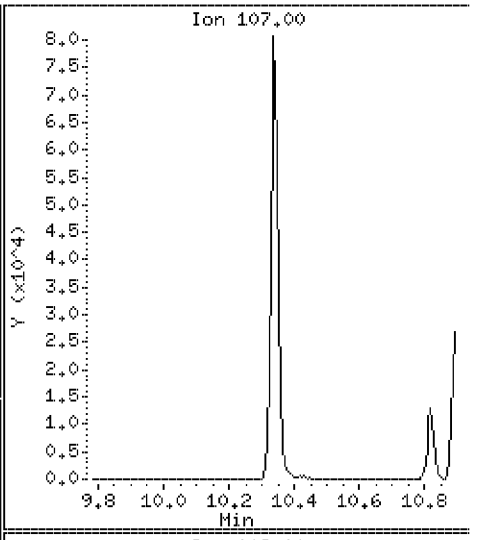
61 1,2-Dibromoethane Concentration: 99.9 ug/l

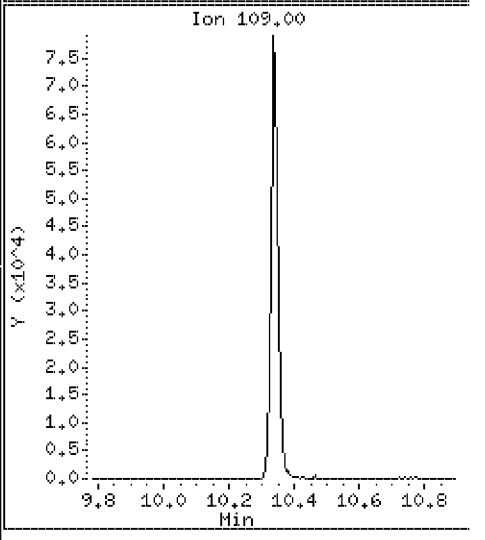












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

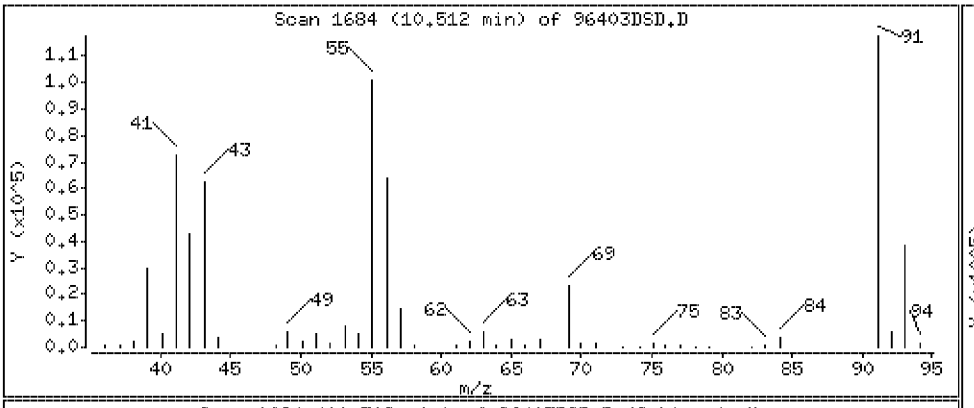
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

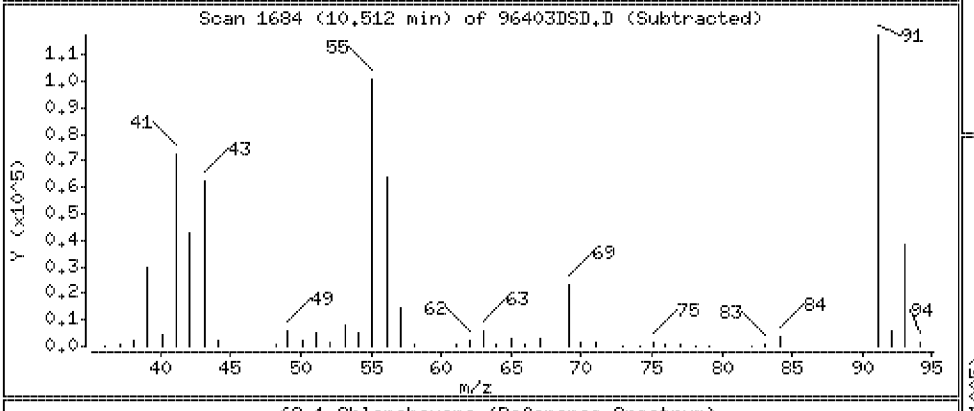
Sample Info: 250696403;2506964;5;

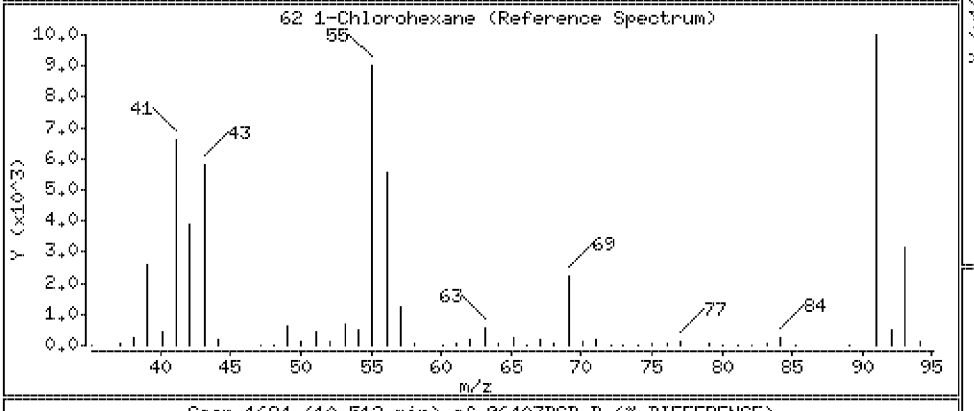
Purge Volume: 5.0 Operator:

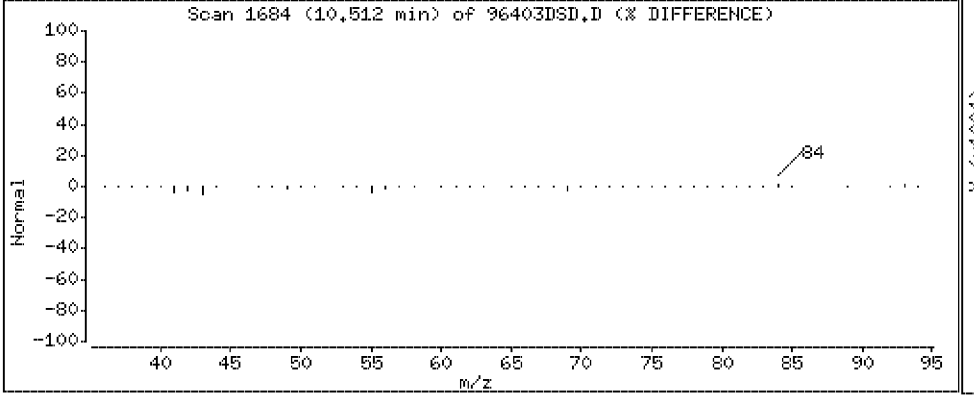
Column phase: DB-624 Column diameter: 0.18

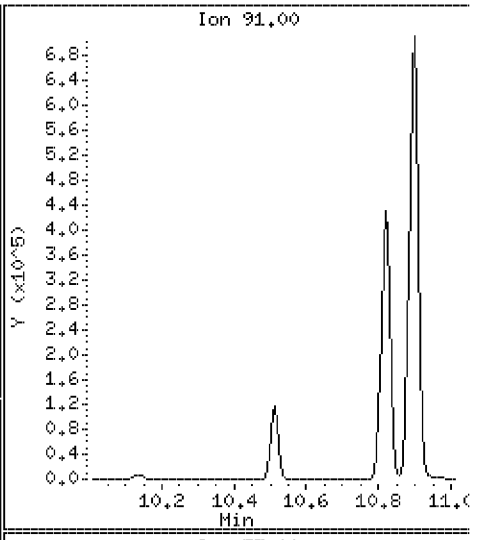
62 1-Chlorohexane Concentration: 100 ug/l

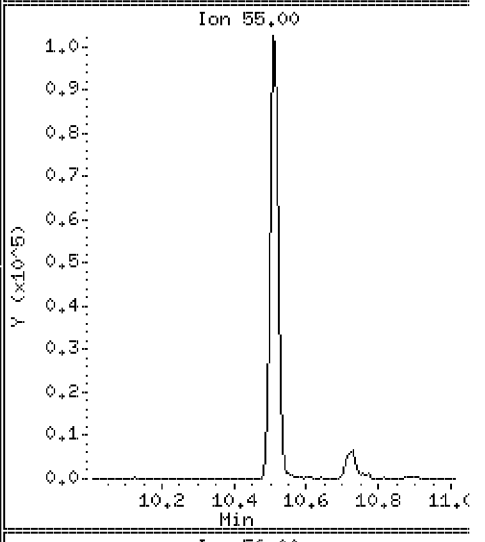


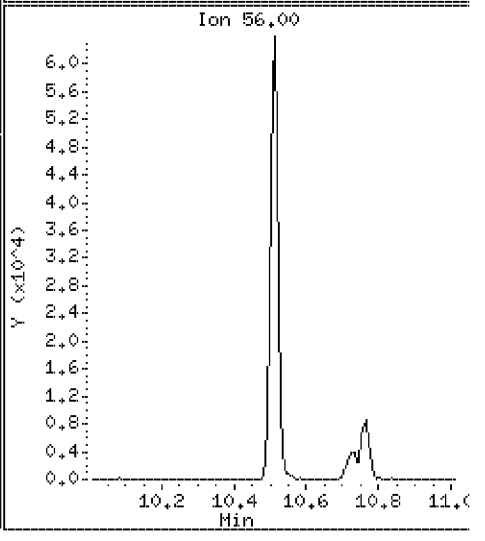












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

Client ID: TO0540AMSDBLDL1

Instrument: vms03.i

Sample Info: 250696403;2506964;5;

Purge Volume: 5.0

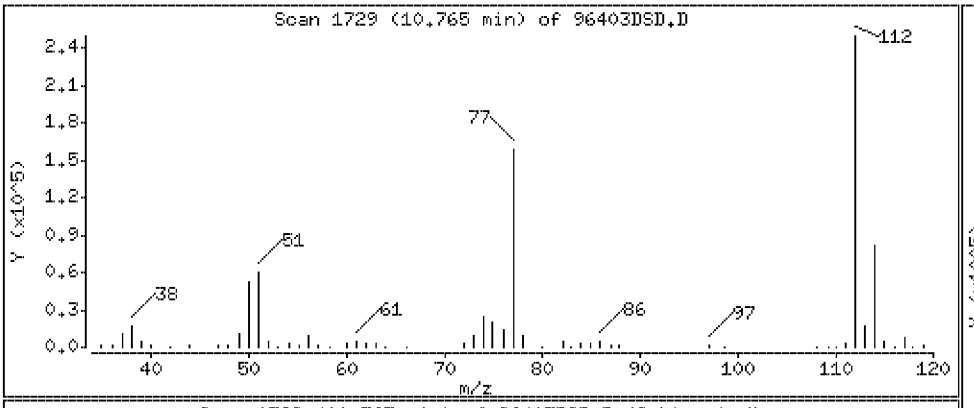
Operator:

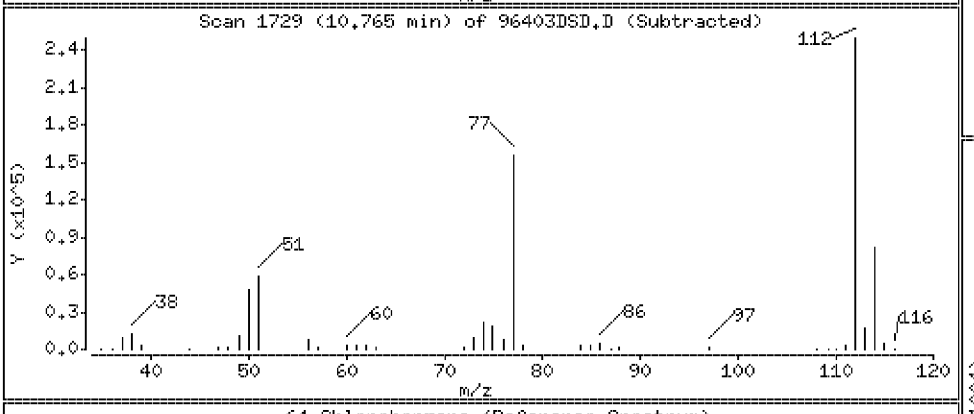
Column phase: DB-624

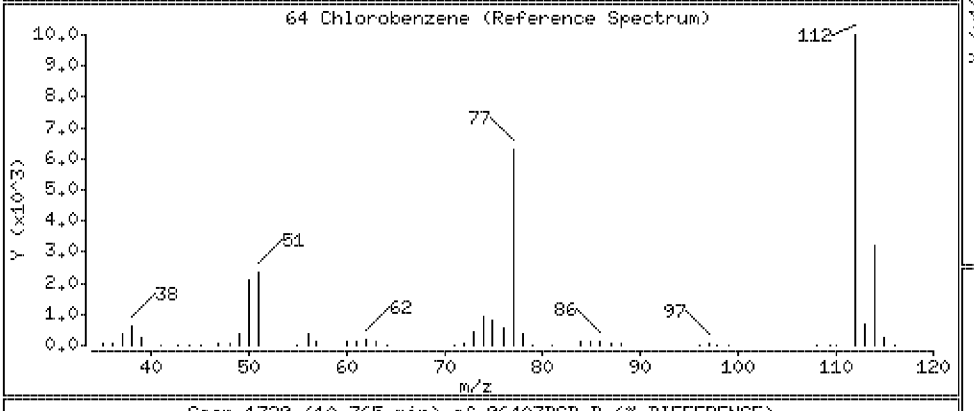
Column diameter: 0.18

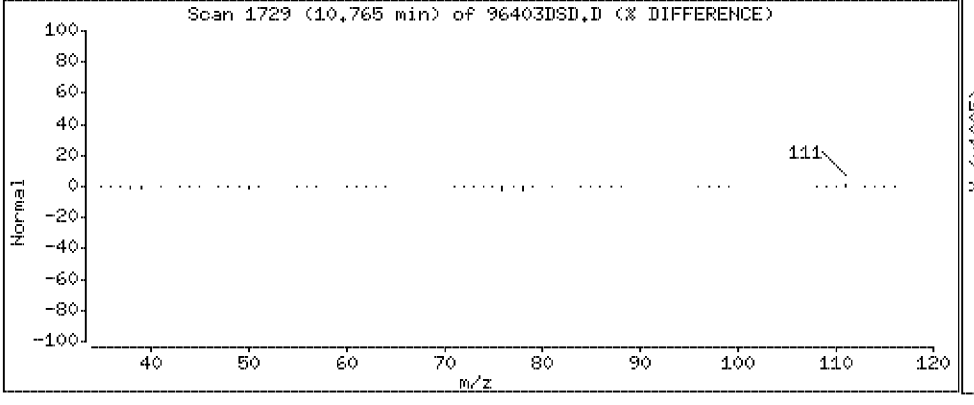
64 Chlorobenzene

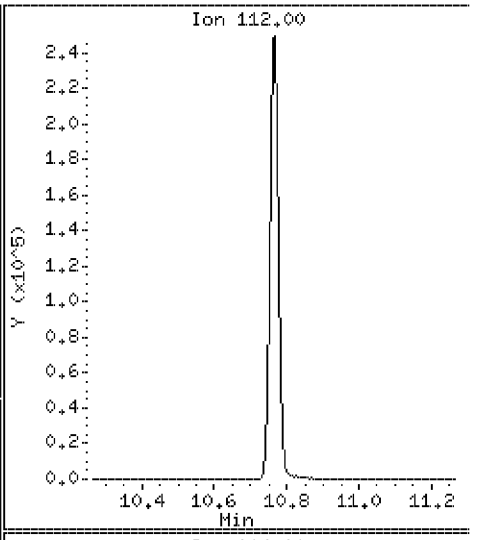
Concentration: 100 ug/l

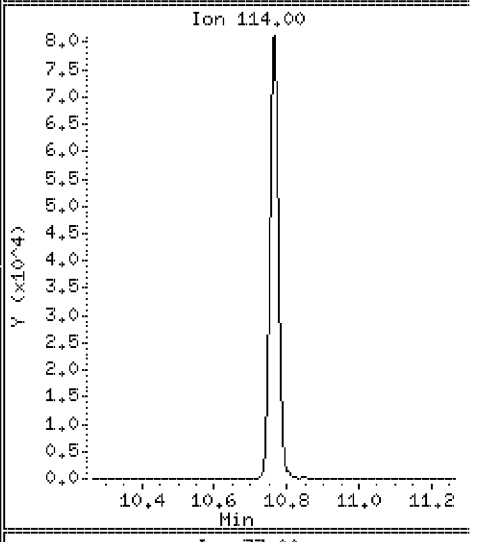


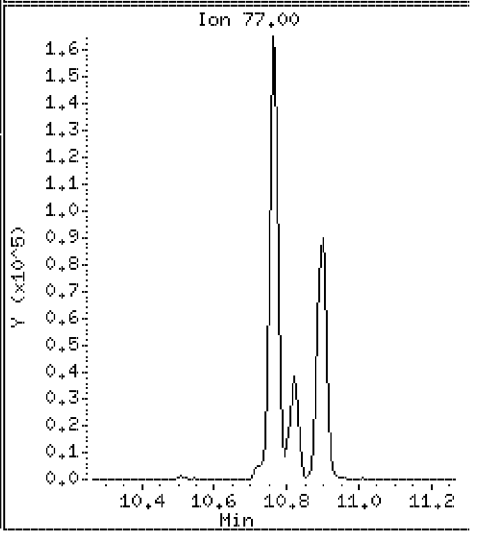












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

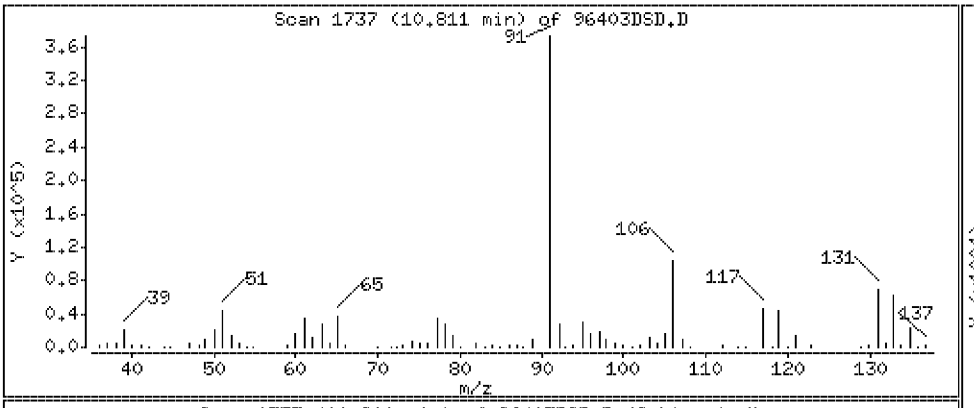
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

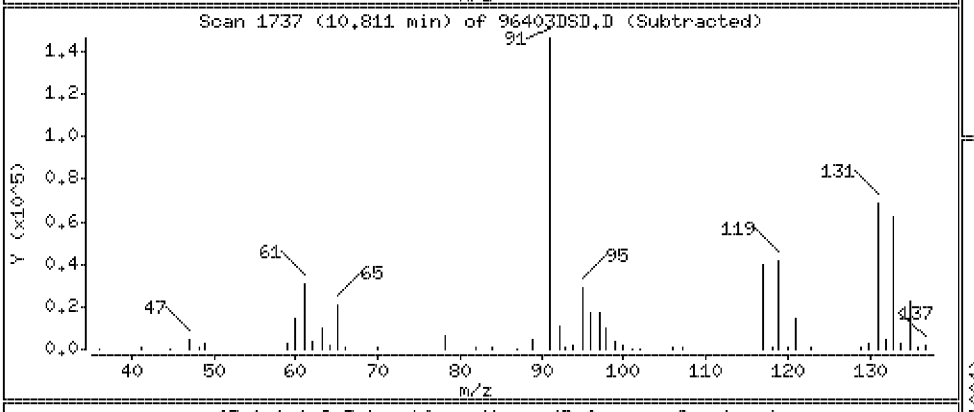
Sample Info: 250696403;2506964;5;

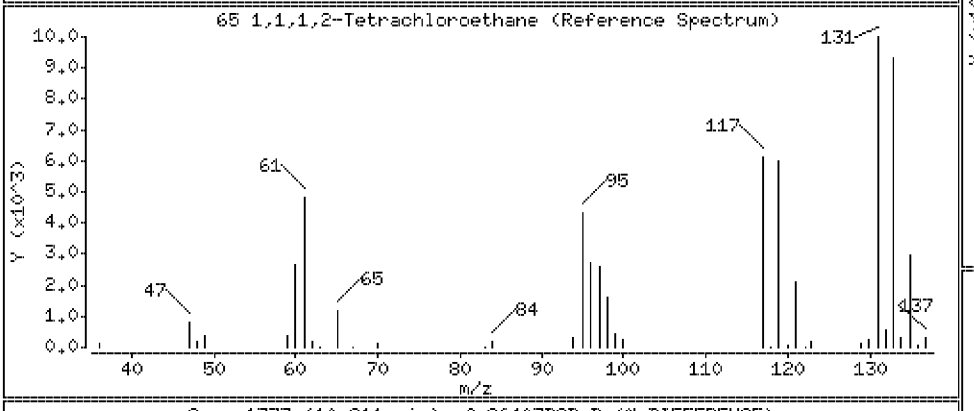
Purge Volume: 5.0 Operator:

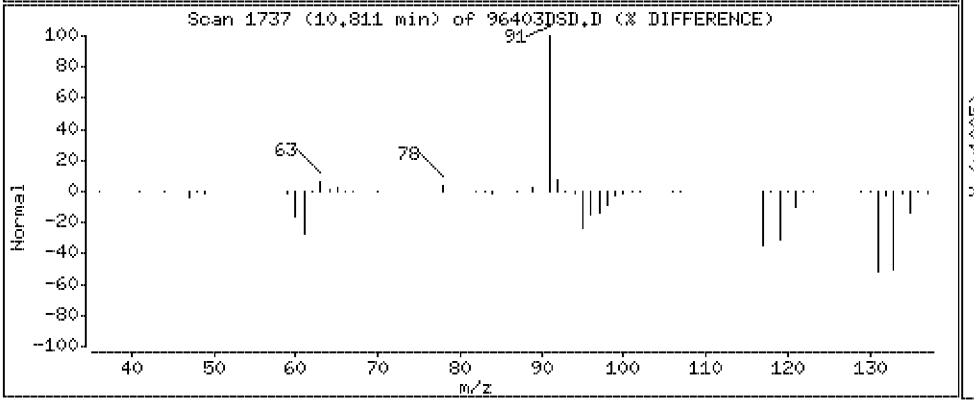
Column phase: DB-624 Column diameter: 0.18

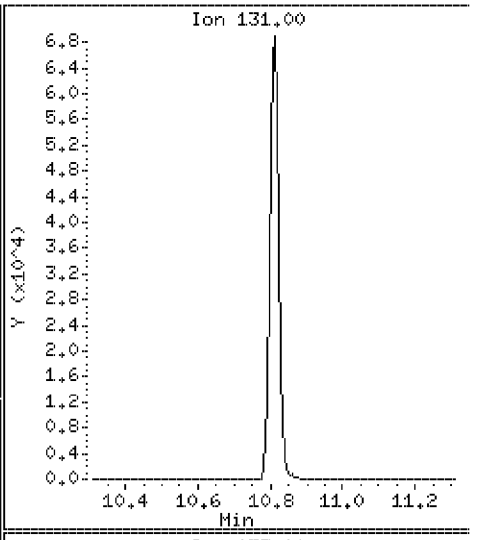
65 1,1,1,2-Tetrachloroethane Concentration: 95.6 ug/l

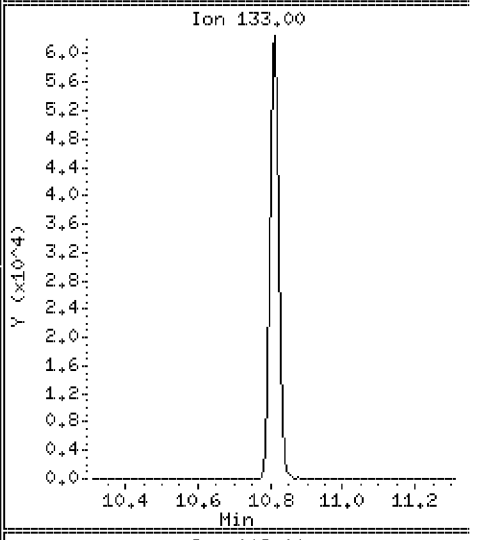


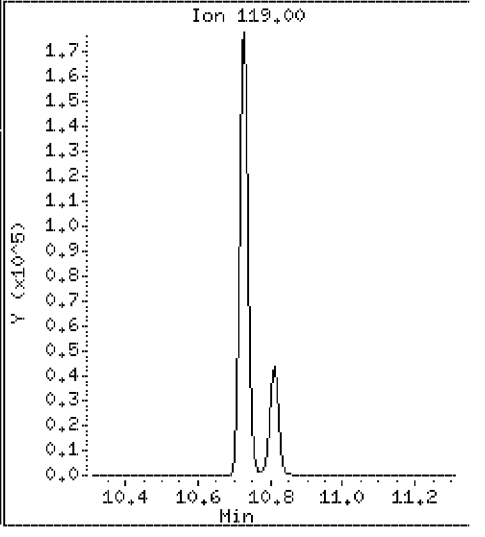












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

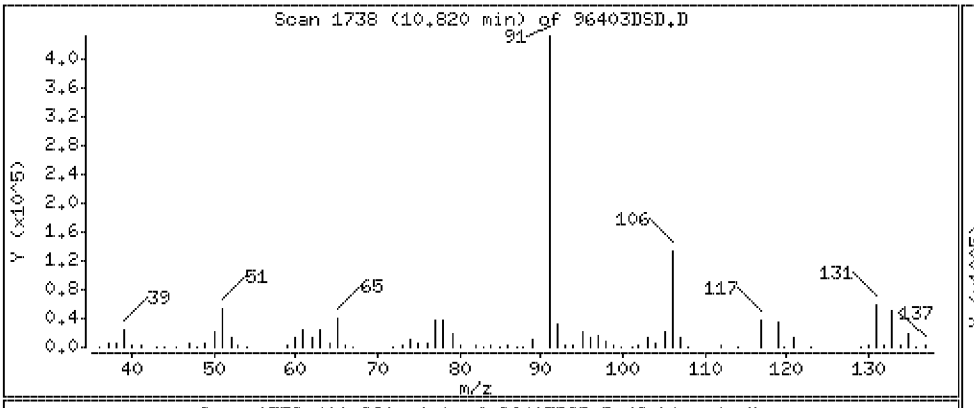
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

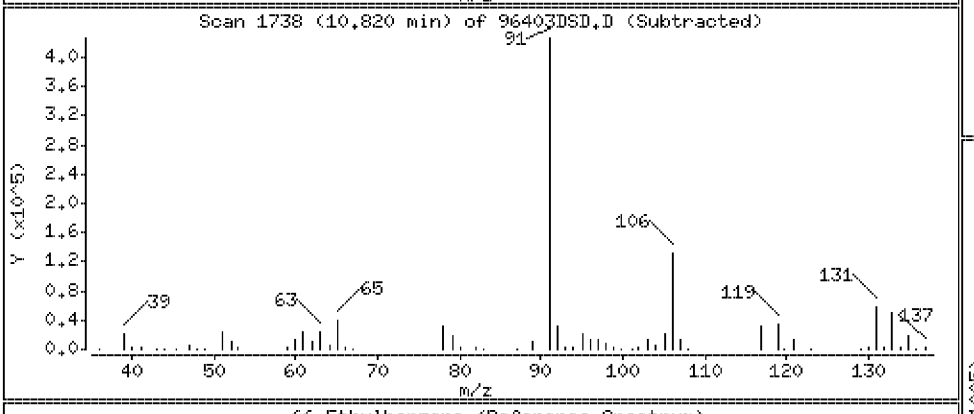
Sample Info: 250696403;2506964;5;

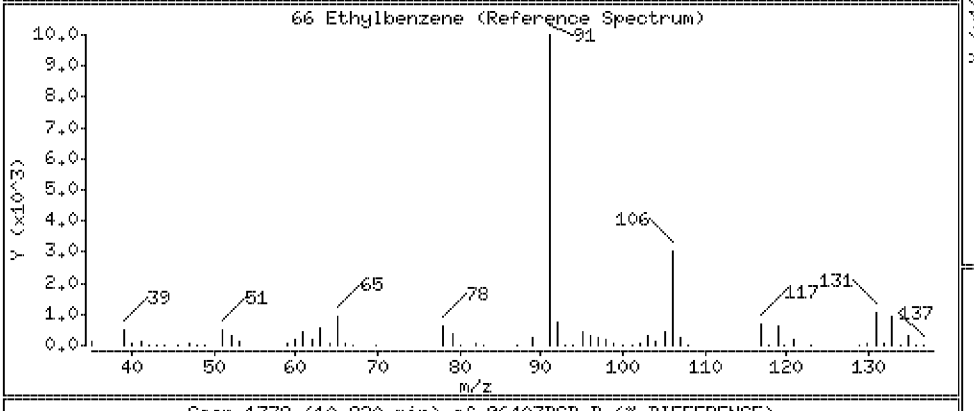
Purge Volume: 5.0 Operator:

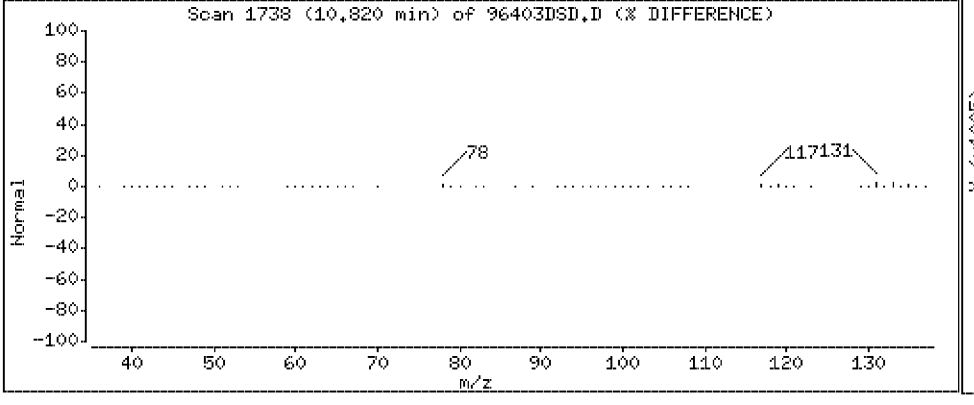
Column phase: DB-624 Column diameter: 0.18

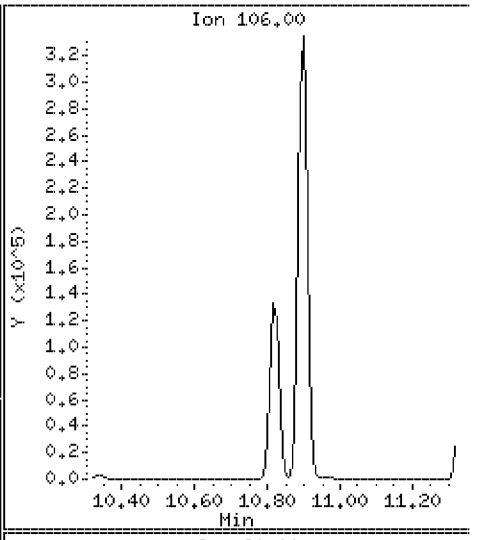
66 Ethylbenzene Concentration: 99.3 ug/l

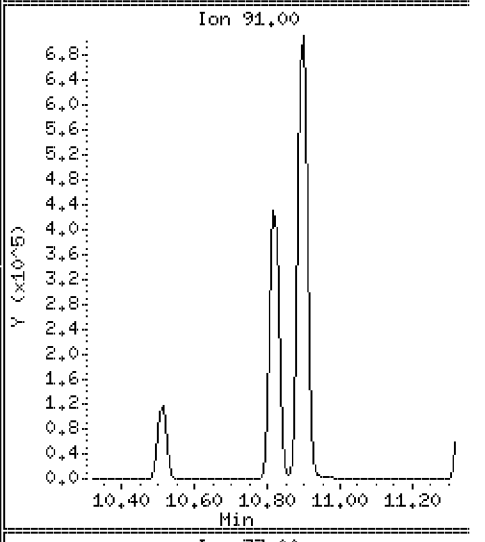


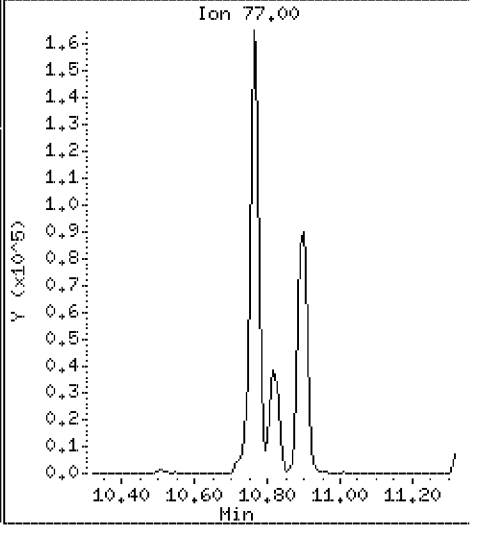












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

Client ID: TO0540AMSDBLDL1

Instrument: vms03.i

Sample Info: 250696403;2506964;5;

Purge Volume: 5.0

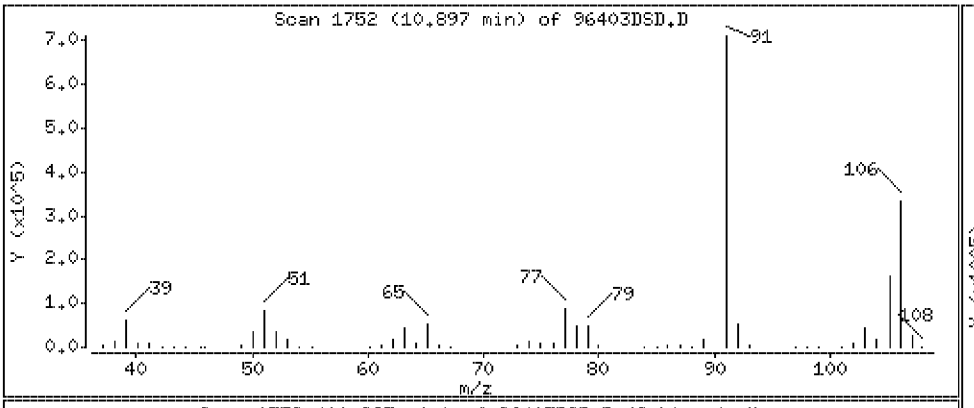
Operator:

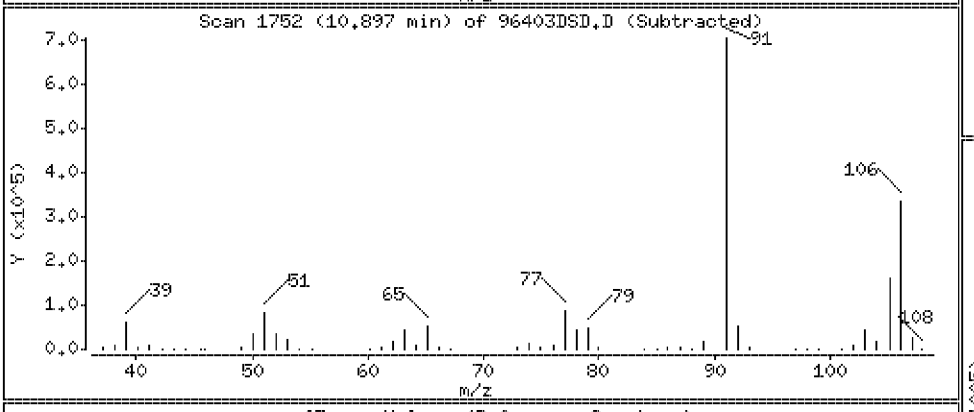
Column phase: DB-624

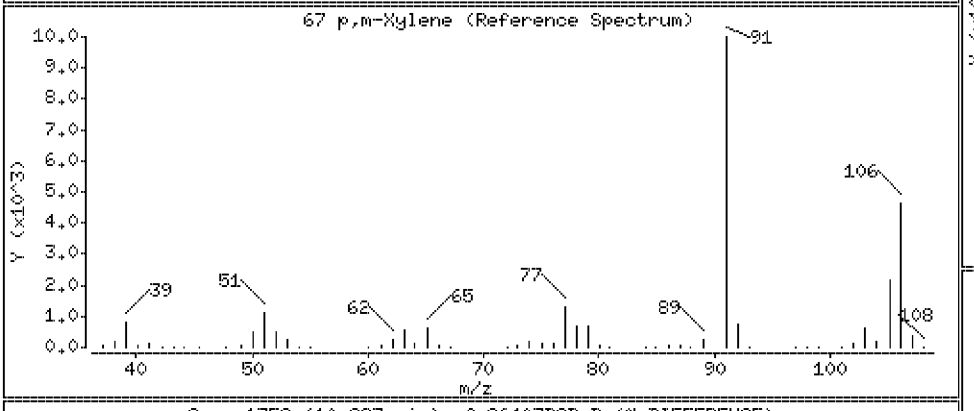
Column diameter: 0.18

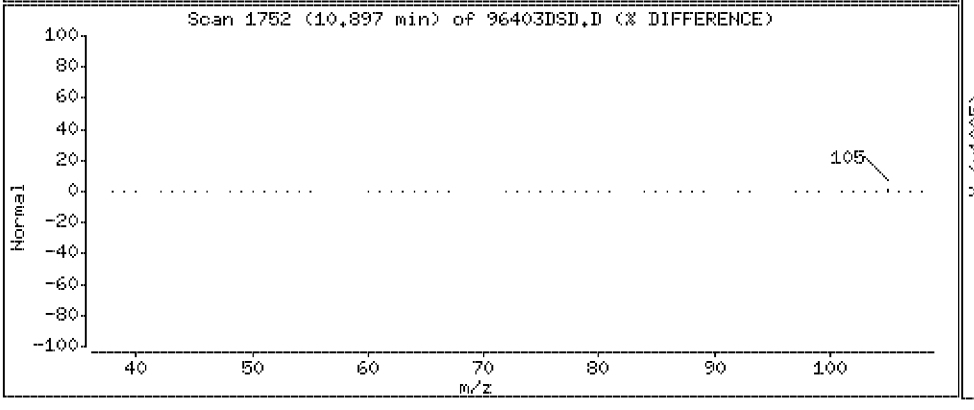
67 p,m-Xylene

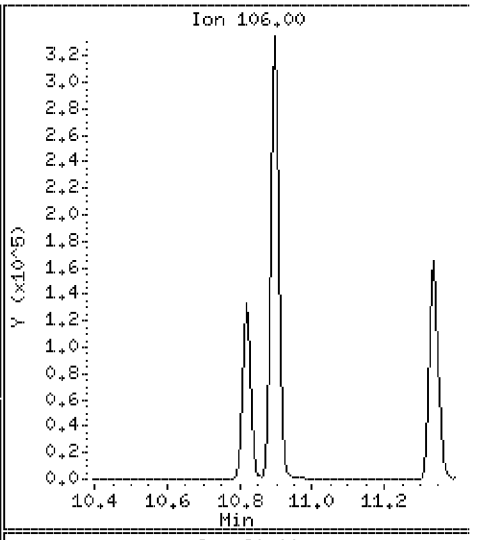
Concentration: 192 ug/l

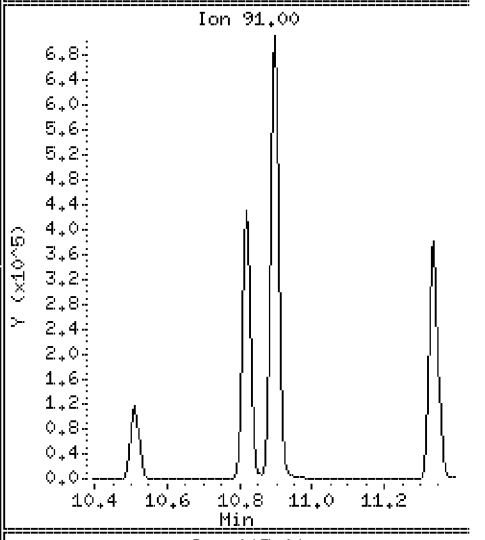


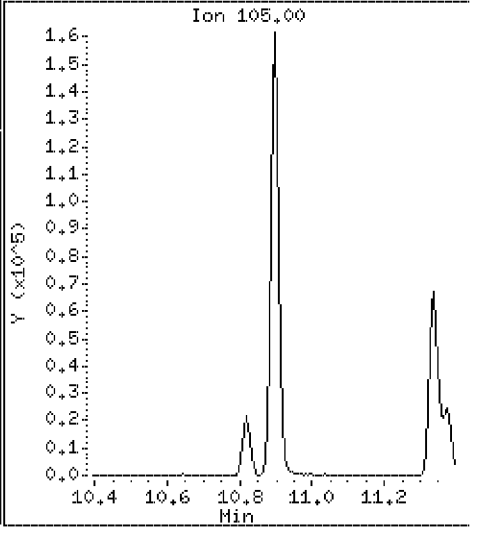












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

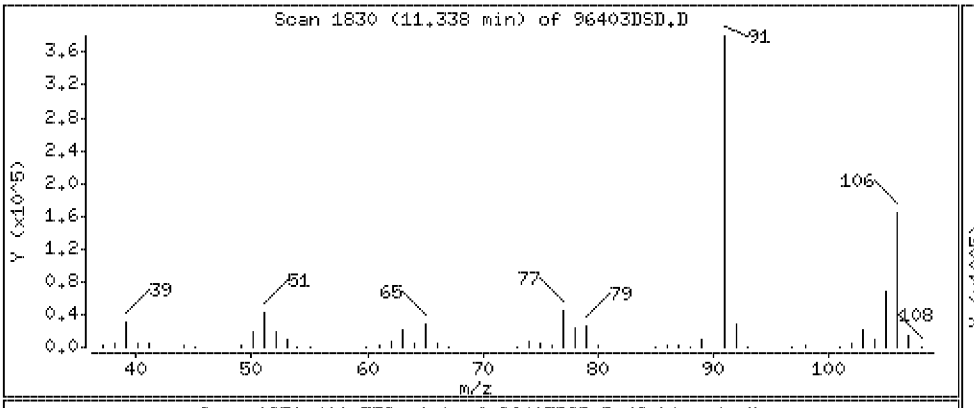
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

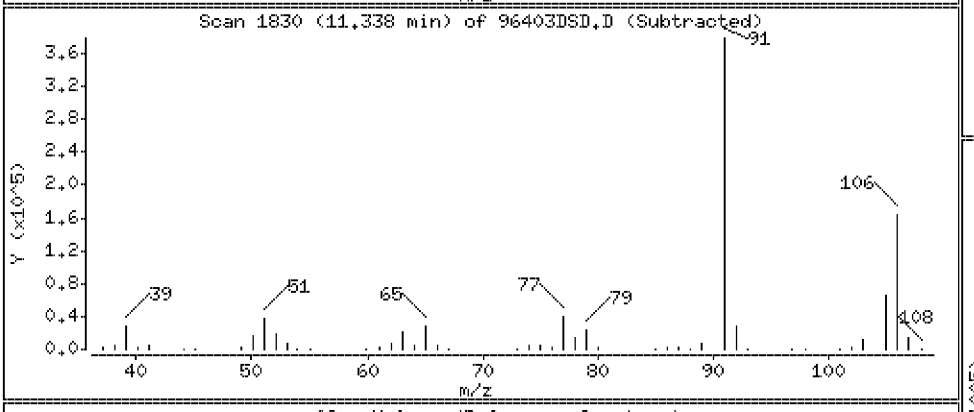
Sample Info: 250696403;2506964;5;

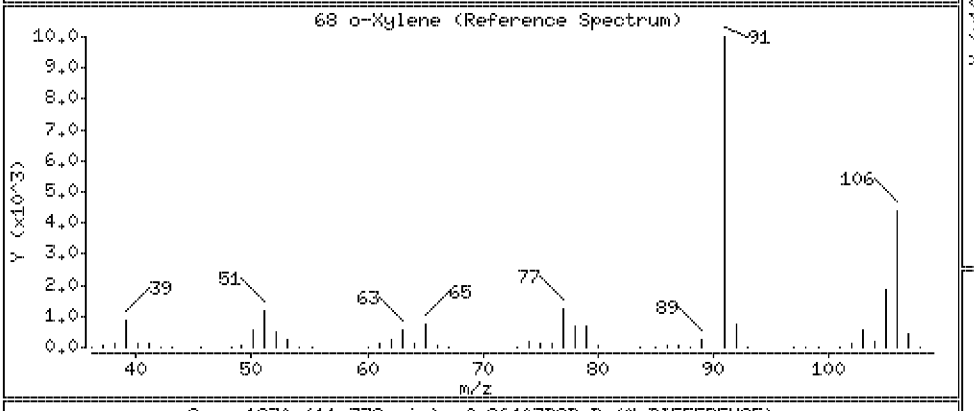
Purge Volume: 5.0 Operator:

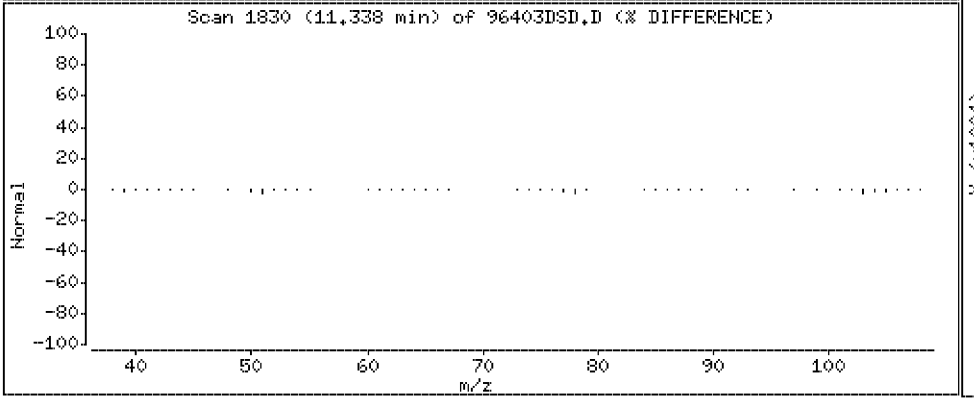
Column phase: DB-624 Column diameter: 0.18

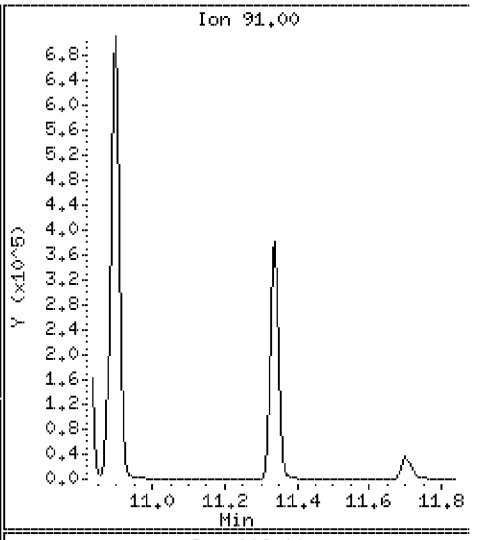
68 o-Xylene Concentration: 97.6 ug/l

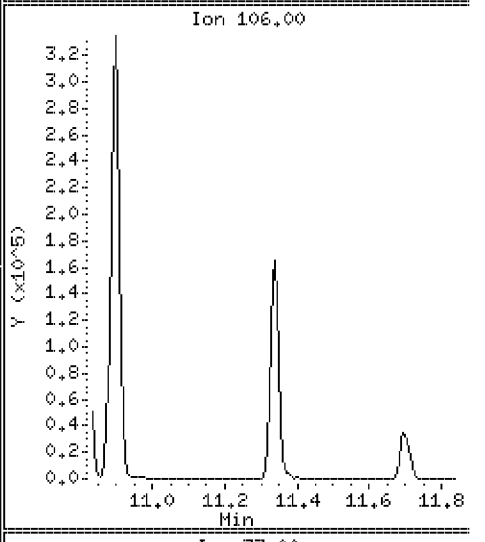


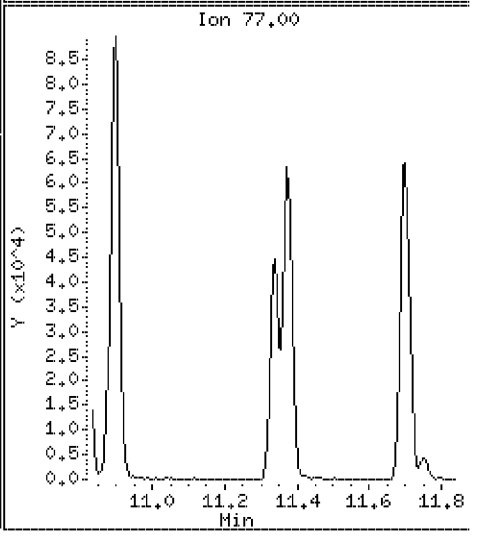












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

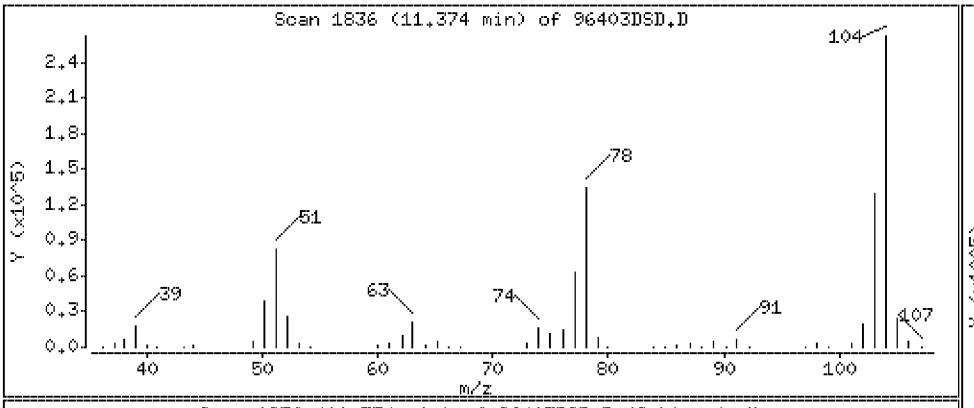
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

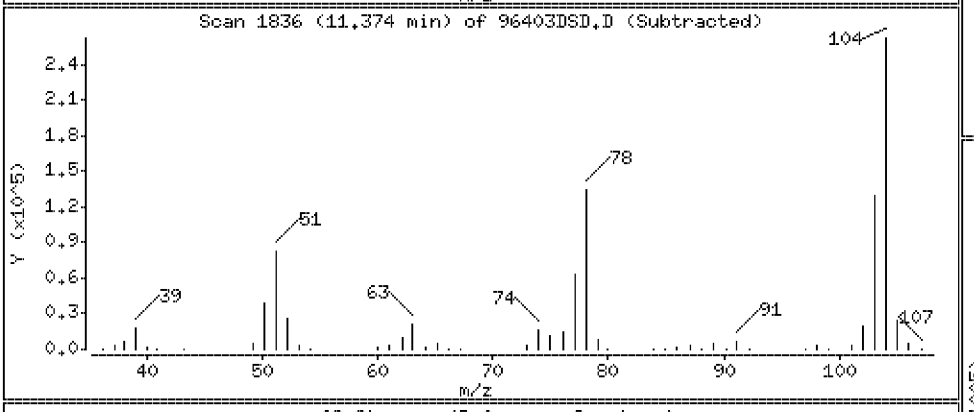
Sample Info: 250696403;2506964;5;

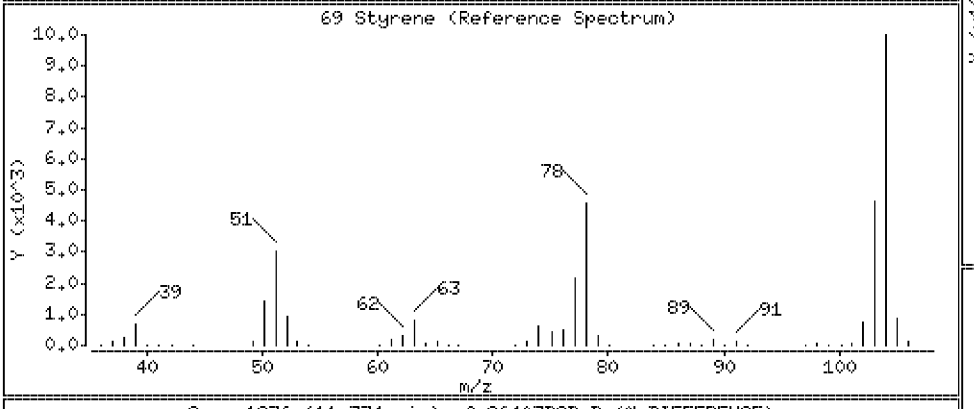
Purge Volume: 5.0 Operator:

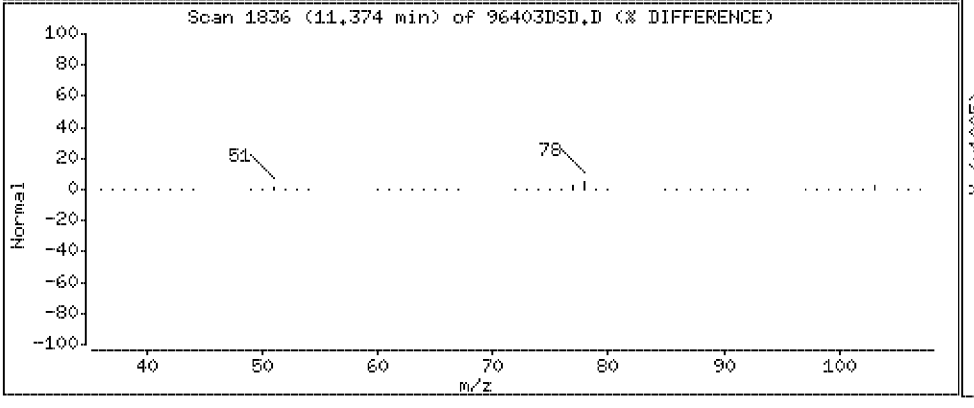
Column phase: DB-624 Column diameter: 0.18

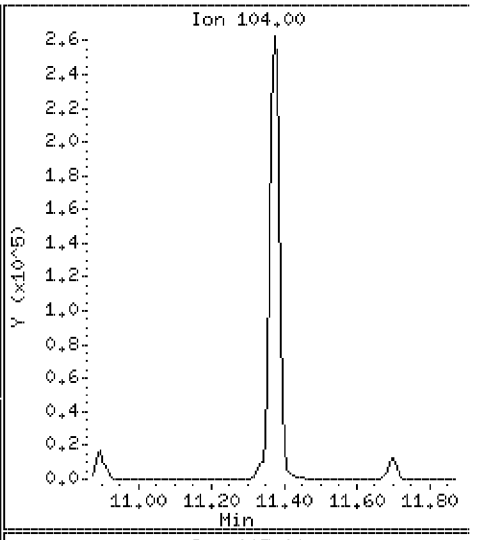
69 Styrene Concentration: 101 ug/l

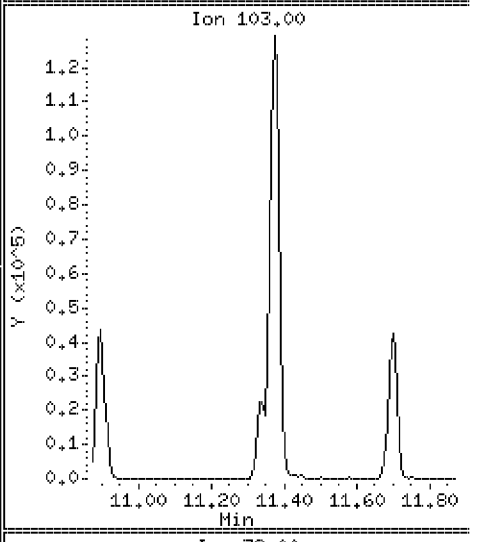


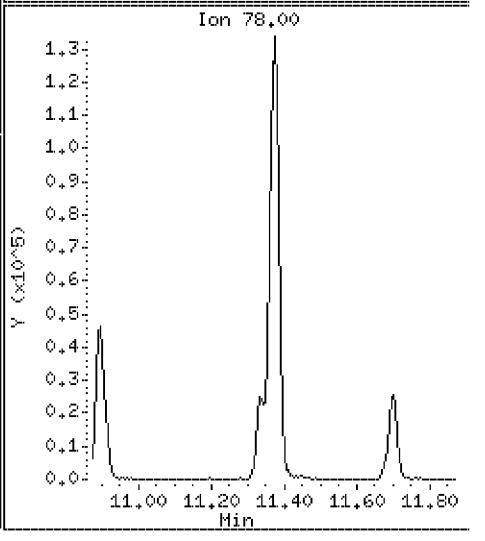












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

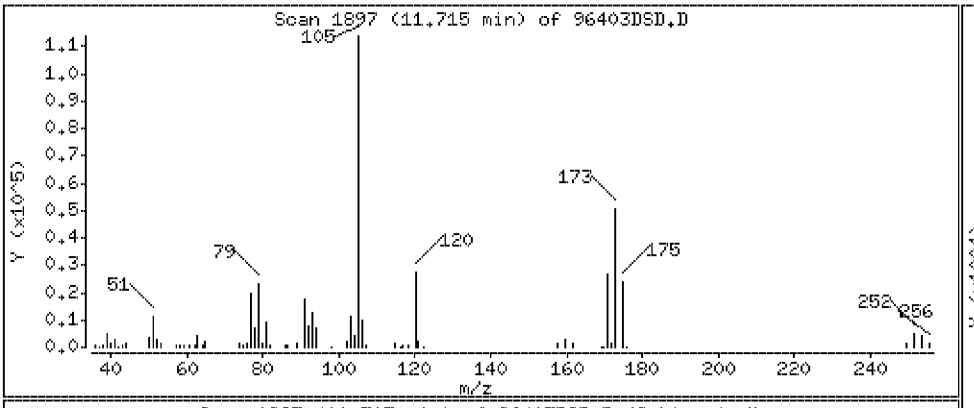
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

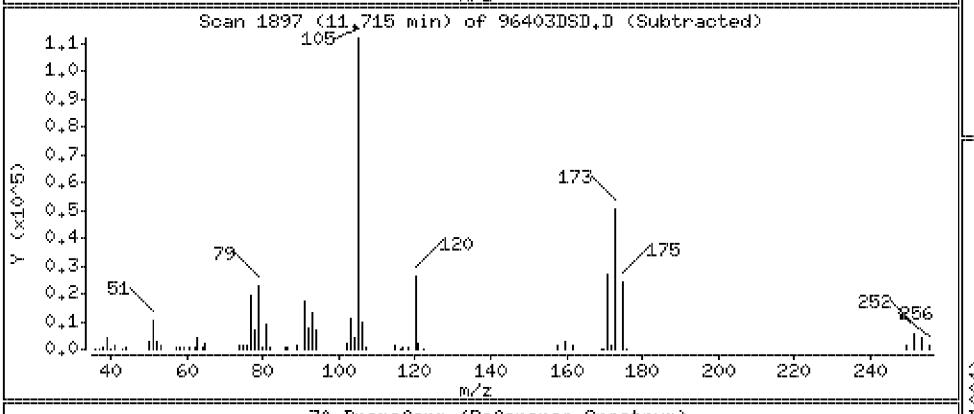
Sample Info: 250696403;2506964;5;

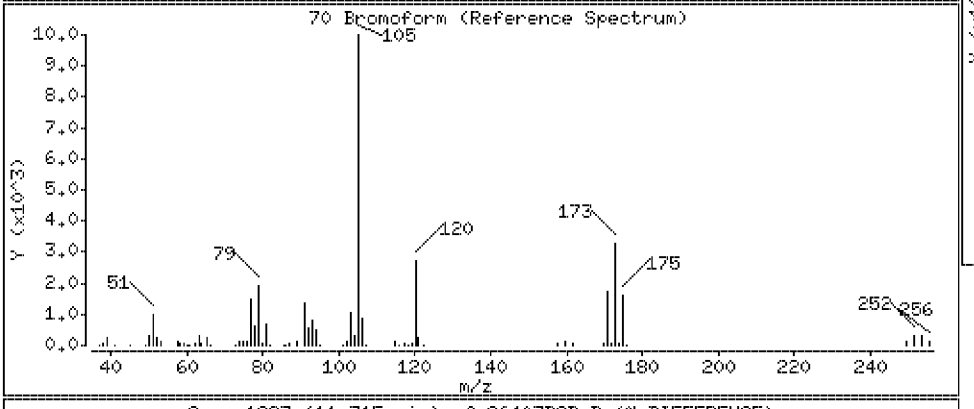
Purge Volume: 5.0 Operator:

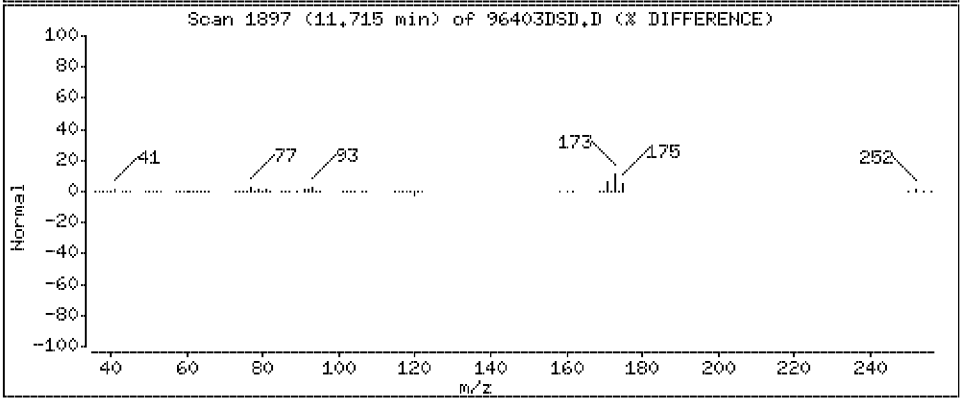
Column phase: DB-624 Column diameter: 0.18

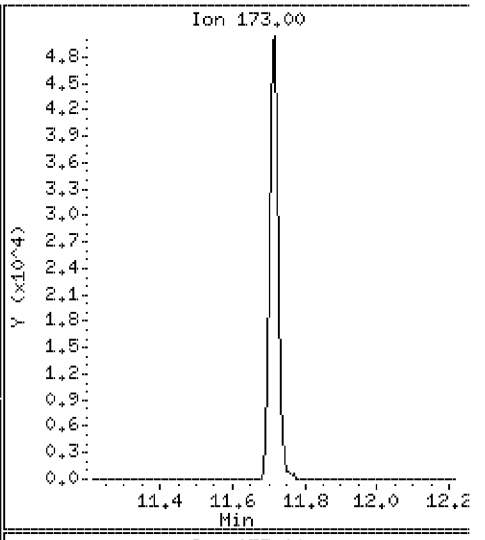
70 Bromoform Concentration: 94.8 ug/l

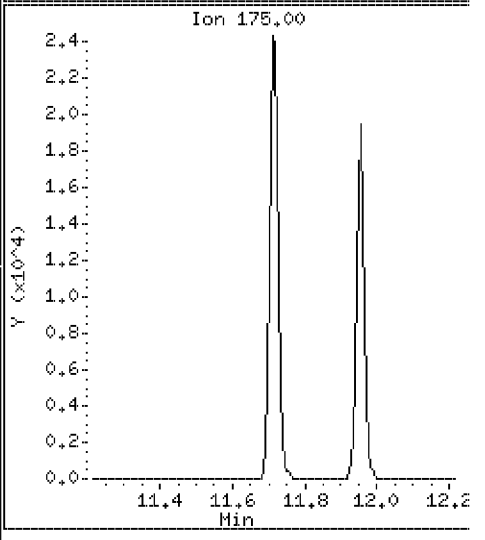












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

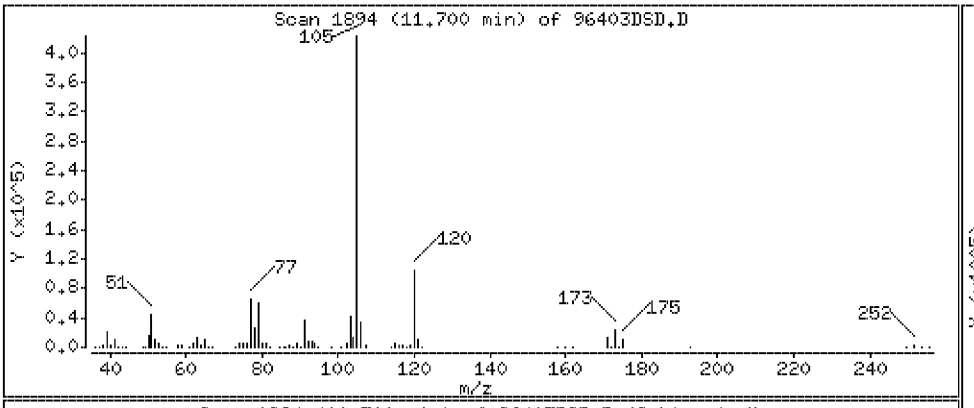
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

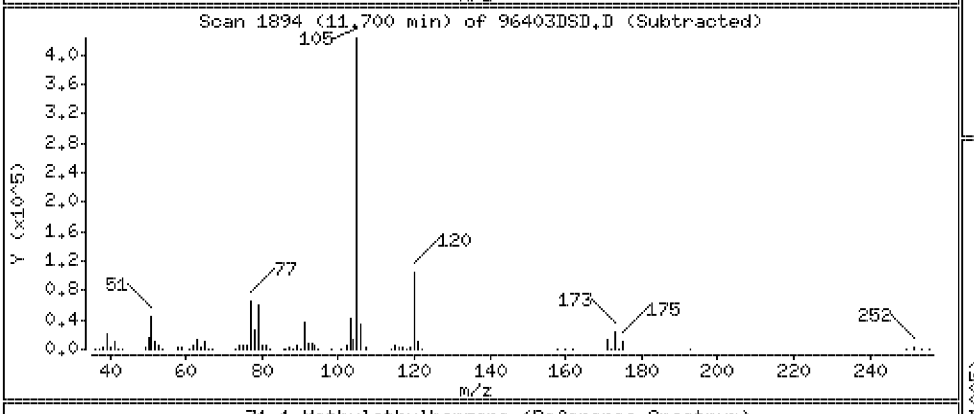
Sample Info: 250696403;2506964;5;

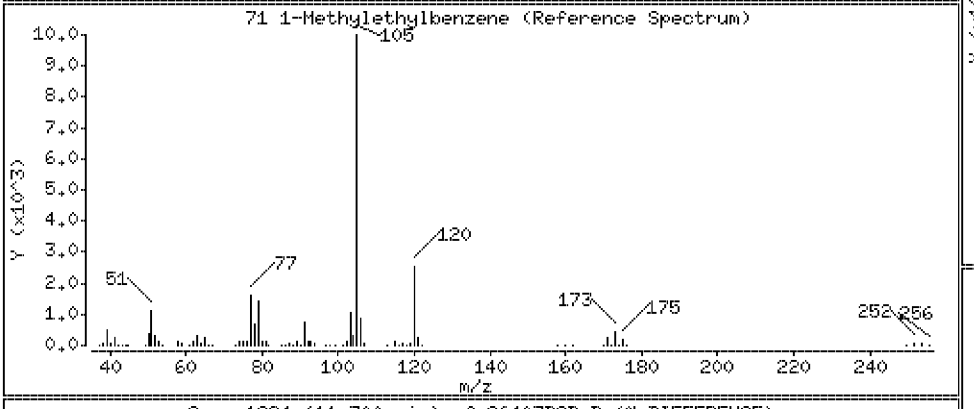
Purge Volume: 5.0 Operator:

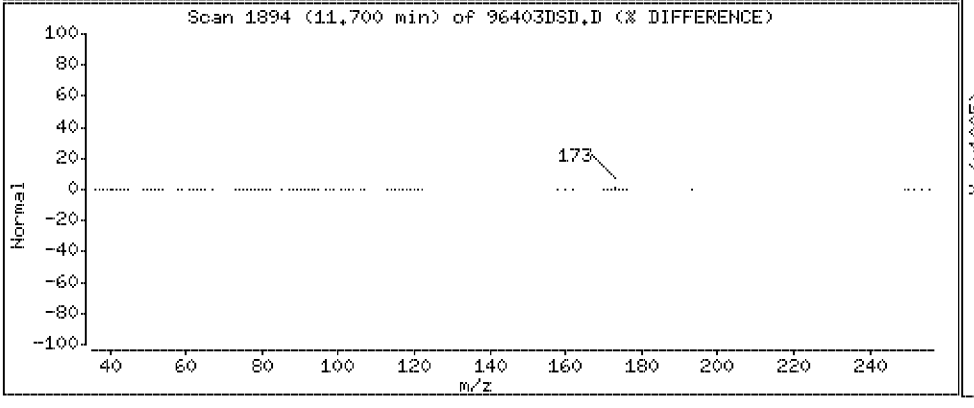
Column phase: DB-624 Column diameter: 0.18

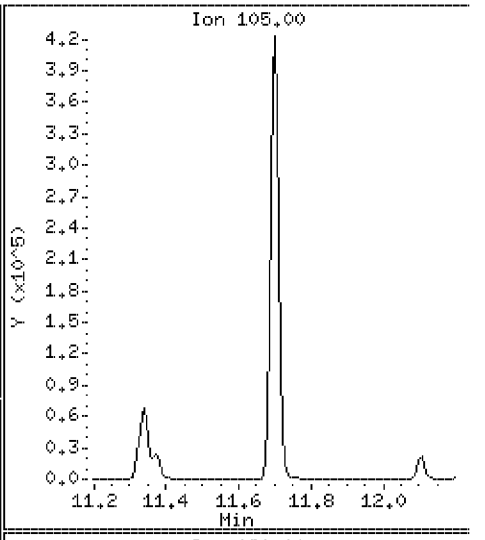
71 1-Methylethylbenzene Concentration: 103 ug/l

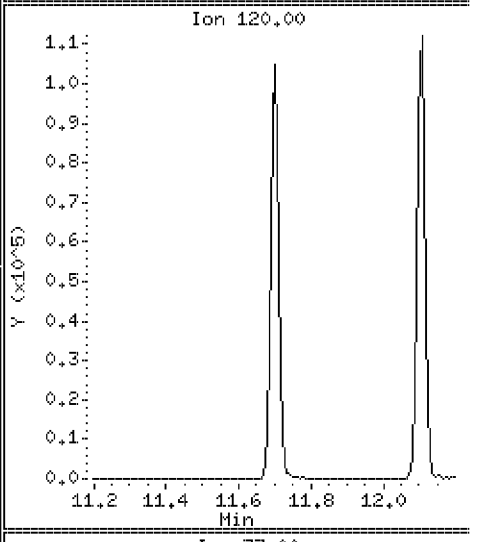


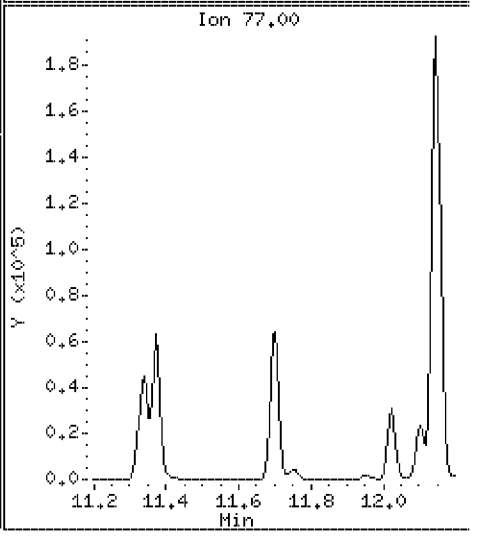












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

Client ID: TO0540AMSDBLDL1

Instrument: vms03.i

Sample Info: 250696403;2506964;5;

Purge Volume: 5.0

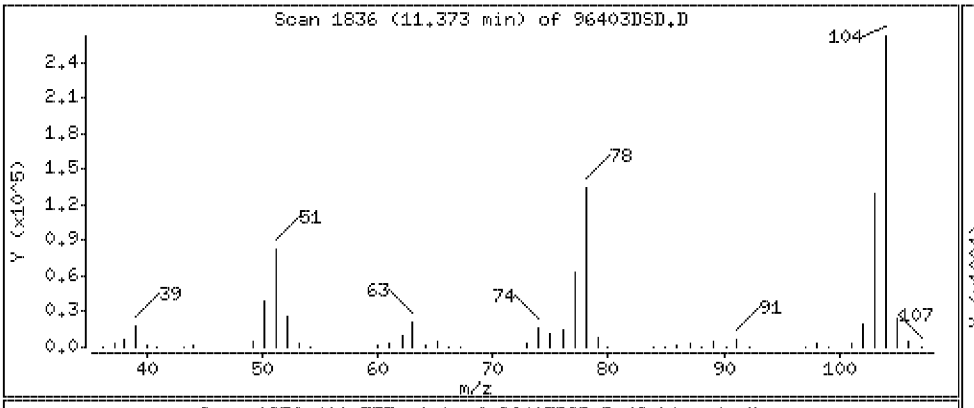
Operator:

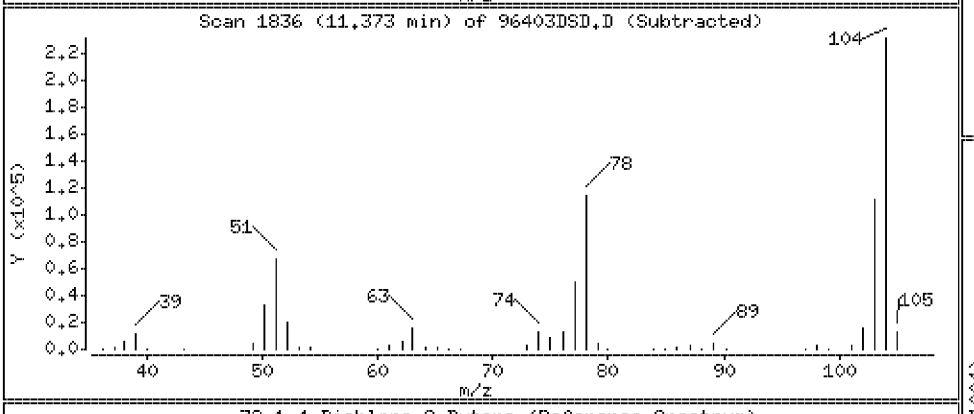
Column phase: DB-624

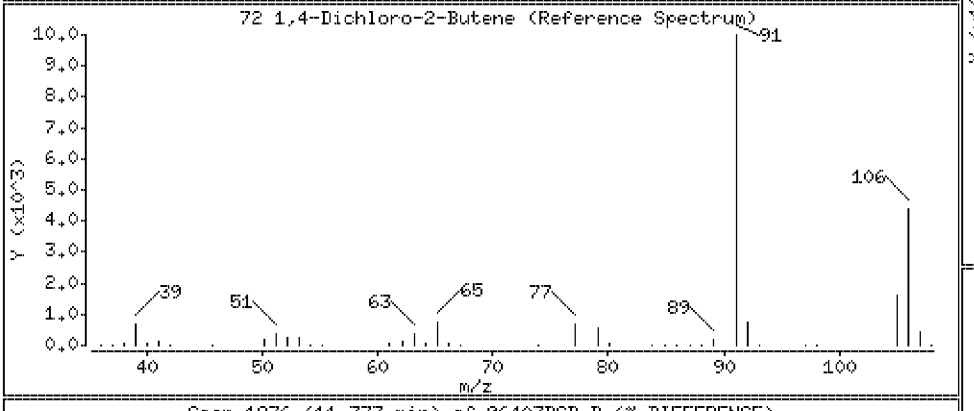
Column diameter: 0.18

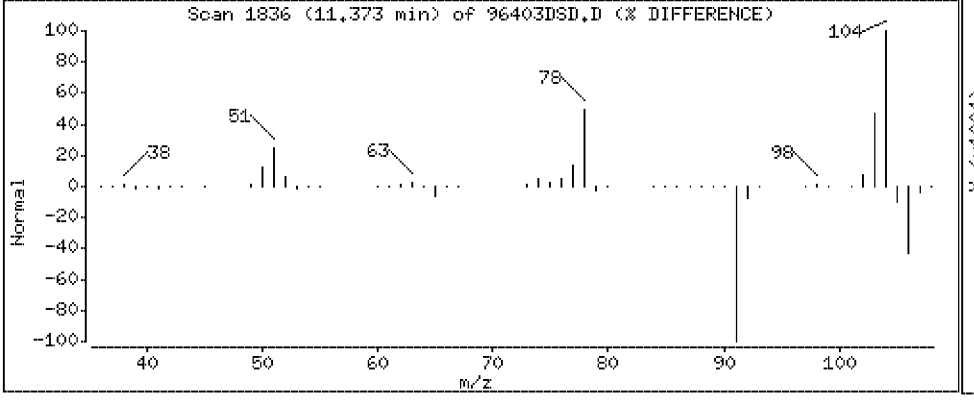
72 1,4-Dichloro-2-Butene

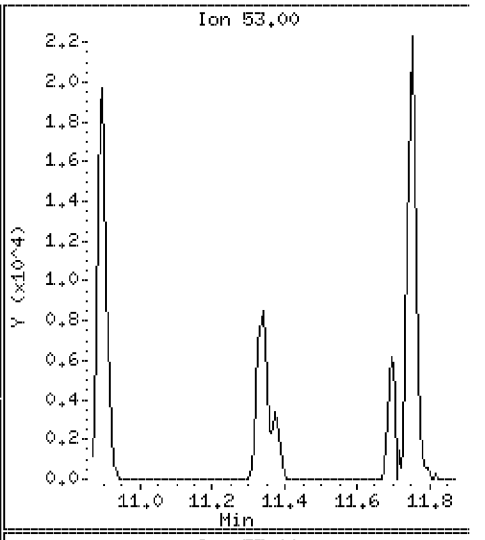
Concentration: 202 ug/l

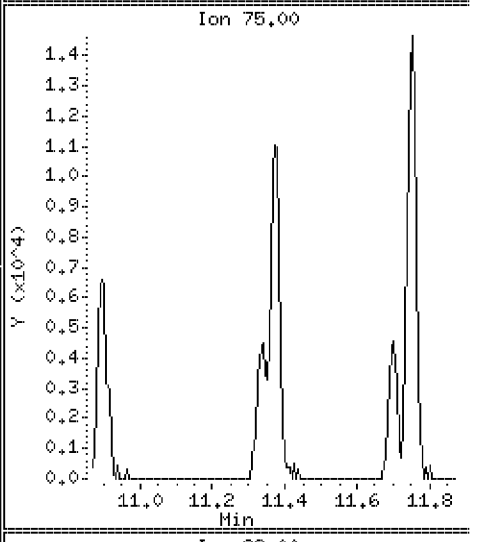


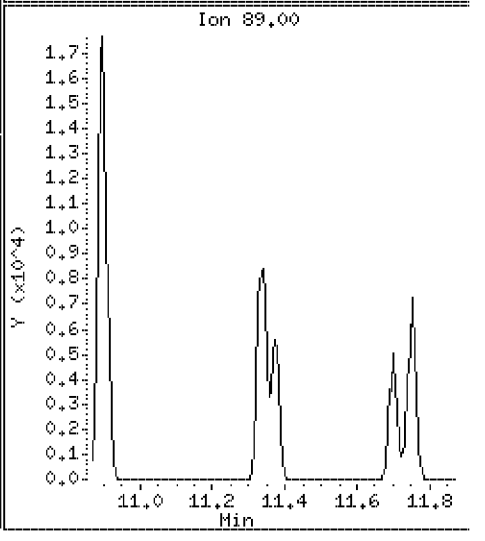












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

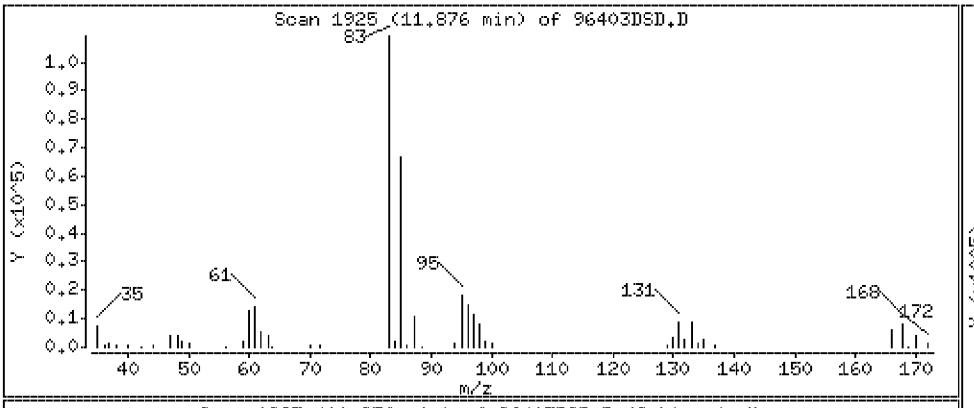
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

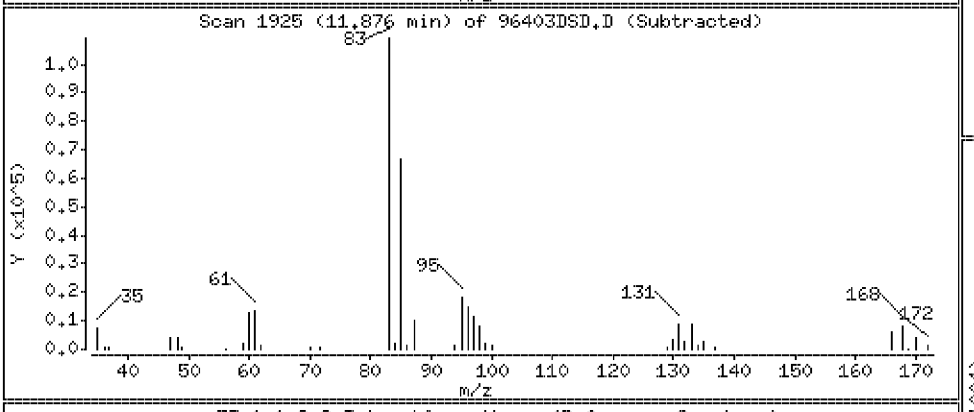
Sample Info: 250696403;2506964;5;

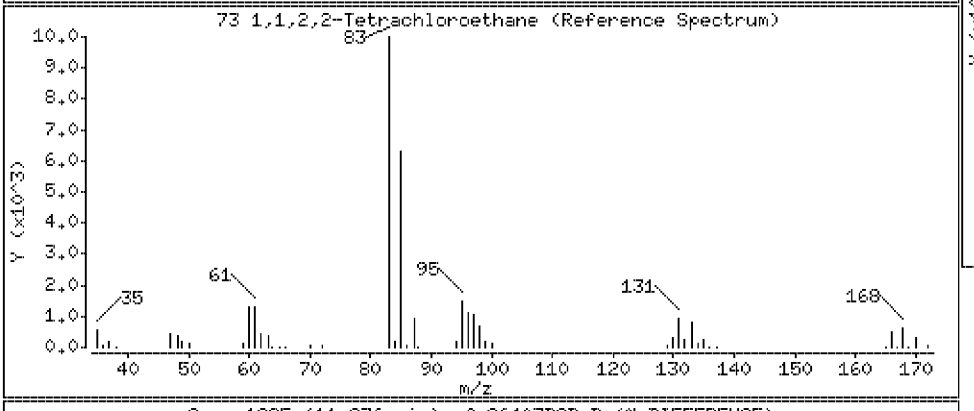
Purge Volume: 5.0 Operator:

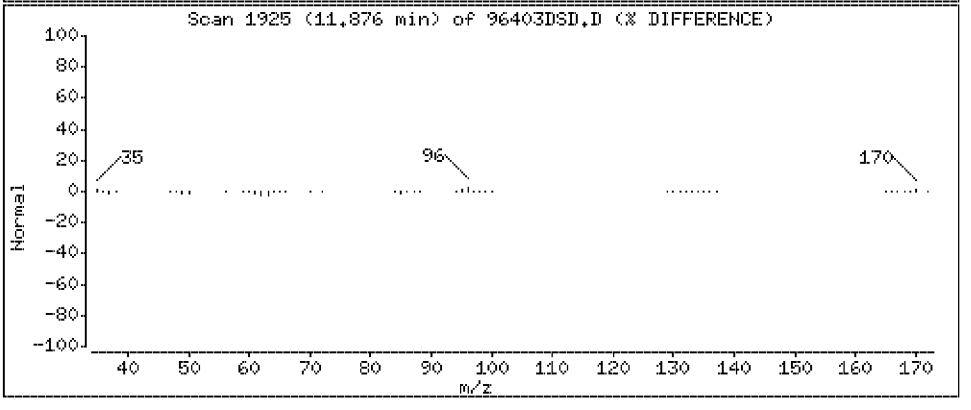
Column phase: DB-624 Column diameter: 0.18

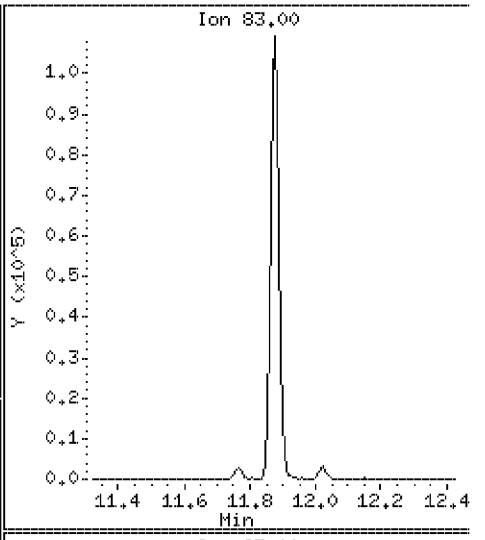
73 1,1,2,2-Tetrachloroethane Concentration: 103 ug/l

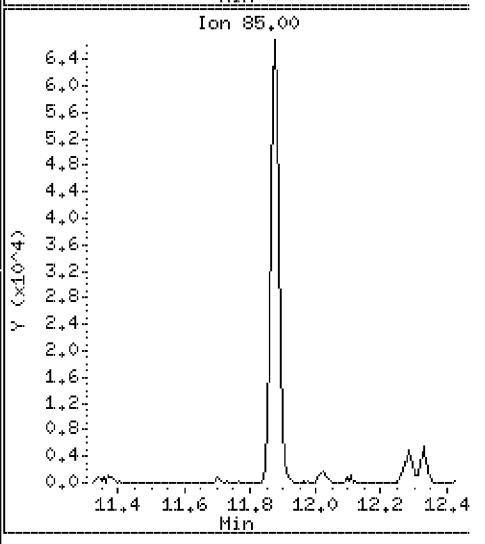












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

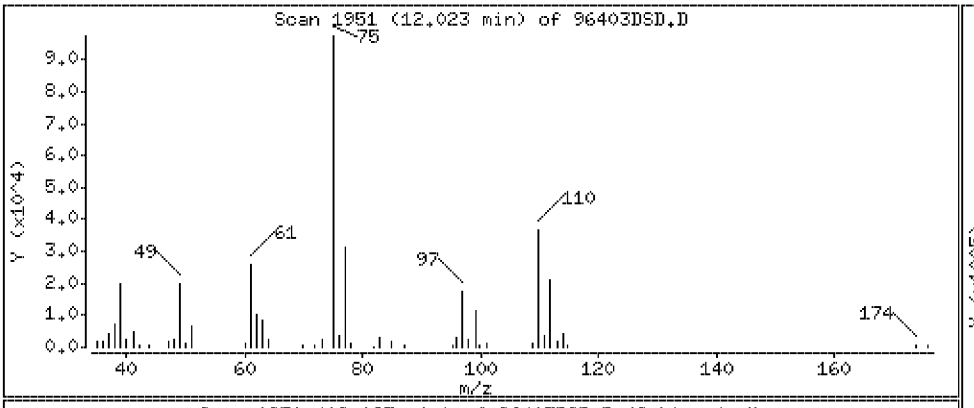
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

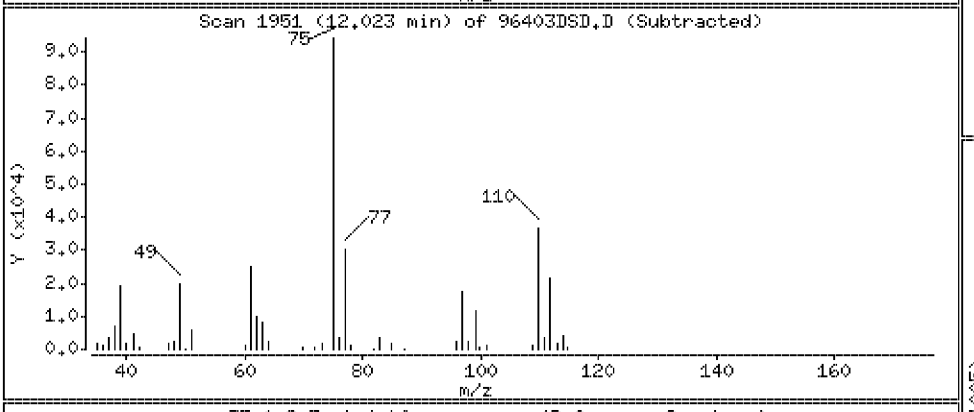
Sample Info: 250696403;2506964;5;

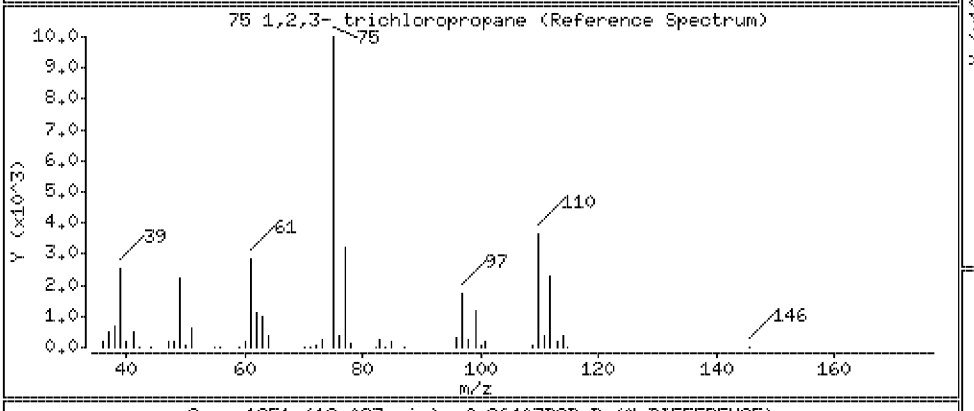
Purge Volume: 5.0 Operator:

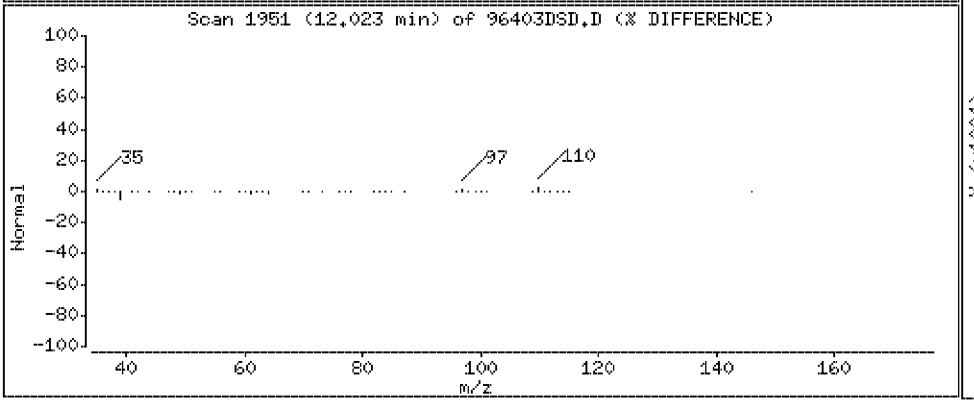
Column phase: DB-624 Column diameter: 0.18

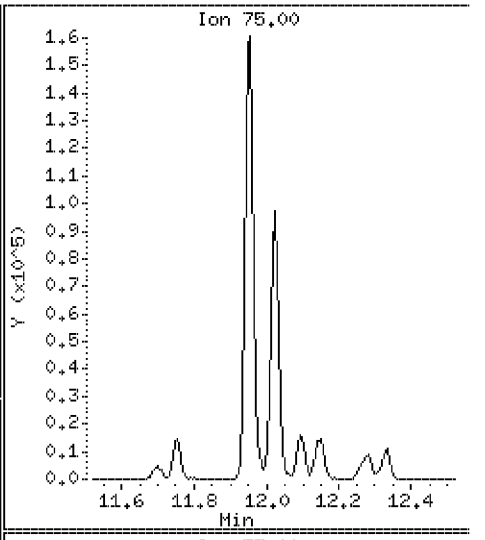
75 1,2,3- trichloropropane Concentration: 104 ug/l

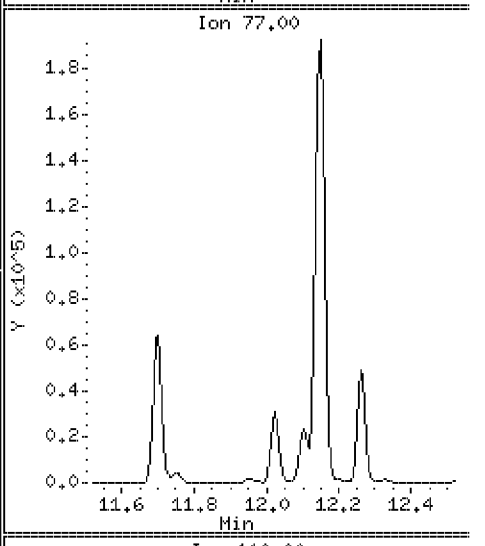


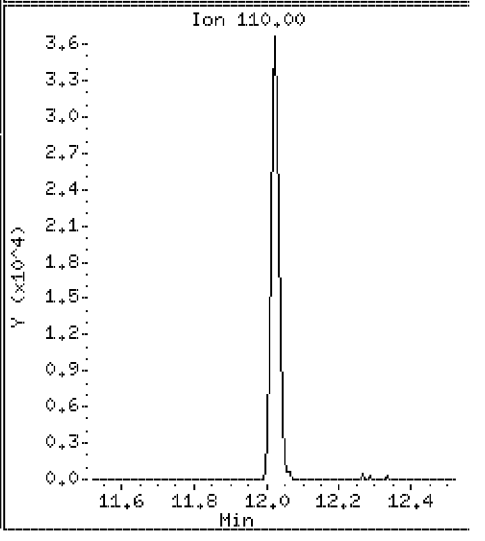












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

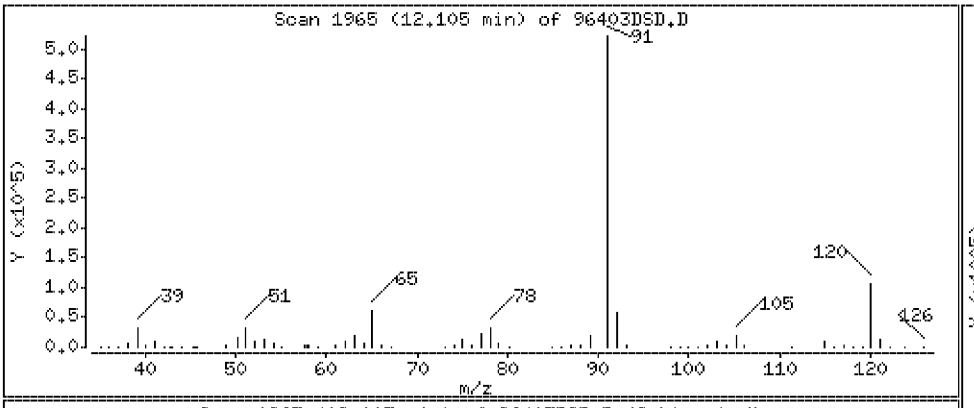
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

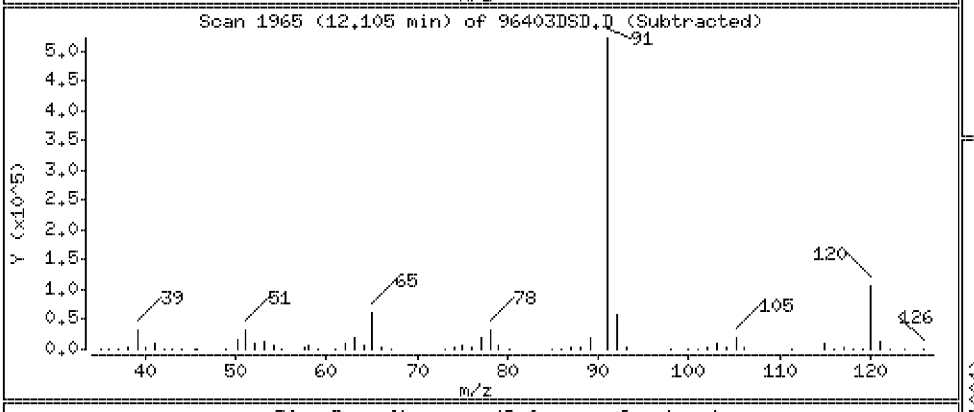
Sample Info: 250696403;2506964;5;

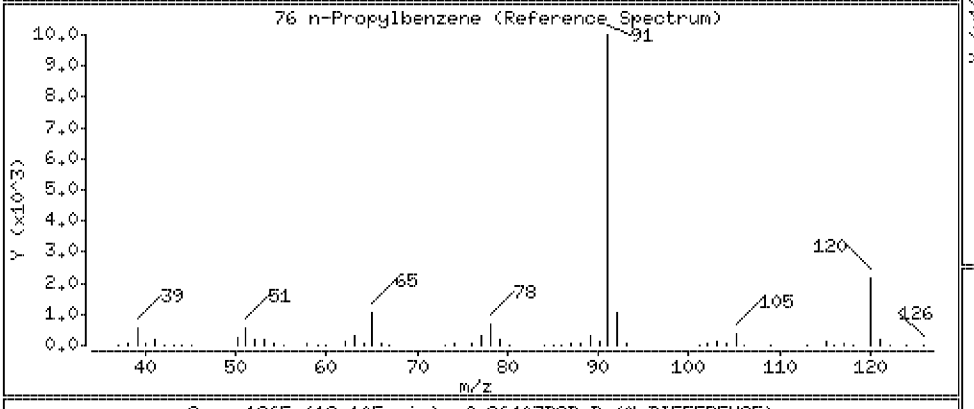
Purge Volume: 5.0 Operator:

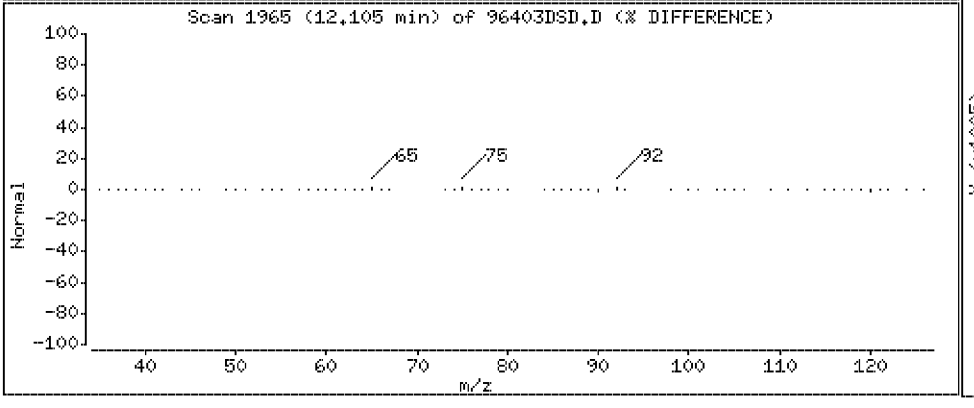
Column phase: DB-624 Column diameter: 0.18

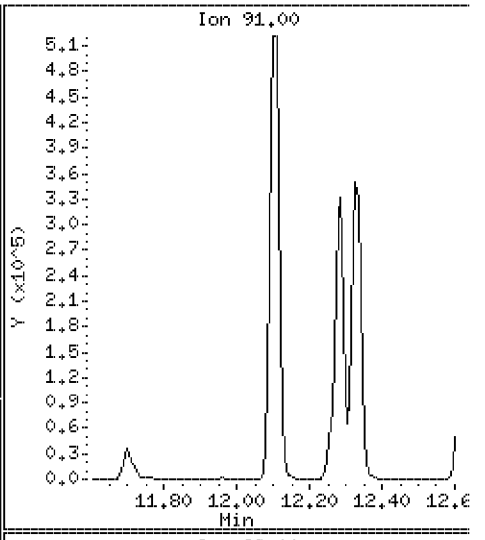
76 n-Propylbenzene Concentration: 101 ug/l

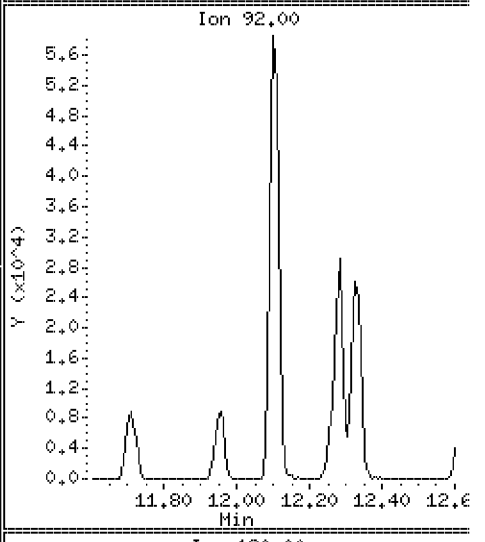


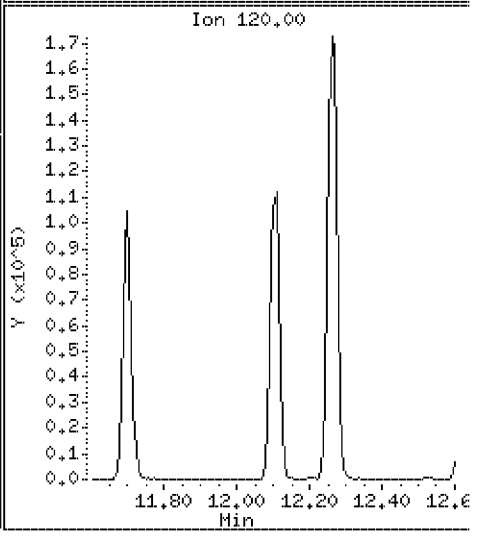












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

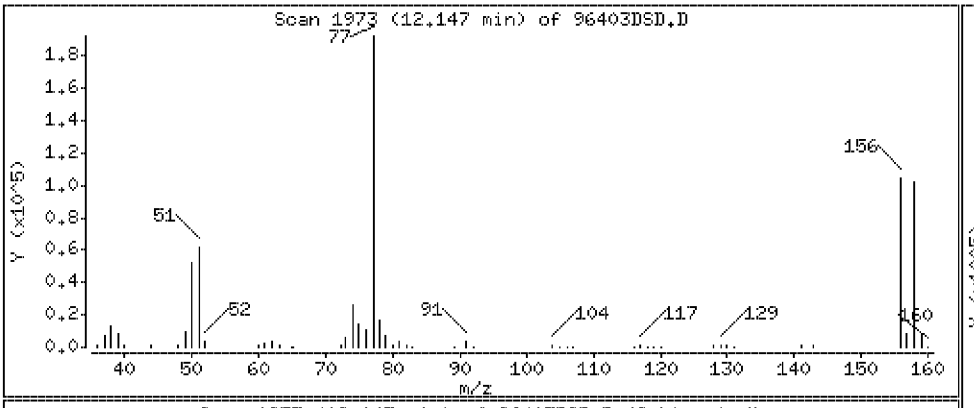
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

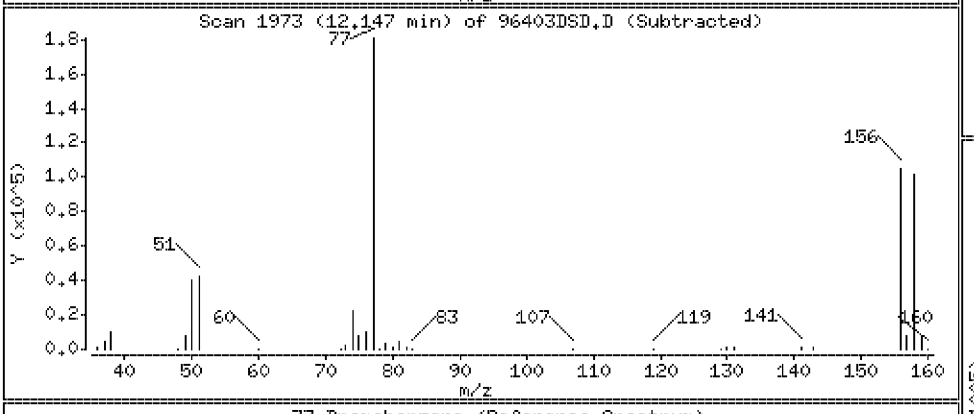
Sample Info: 250696403;2506964;5;

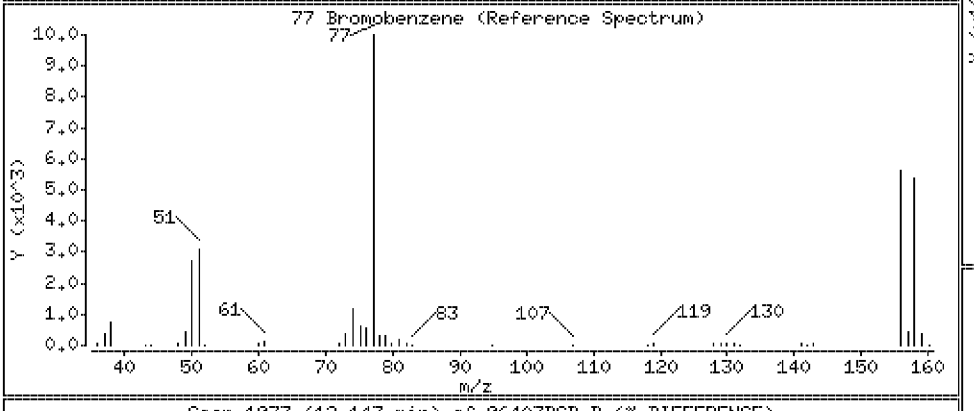
Purge Volume: 5.0 Operator:

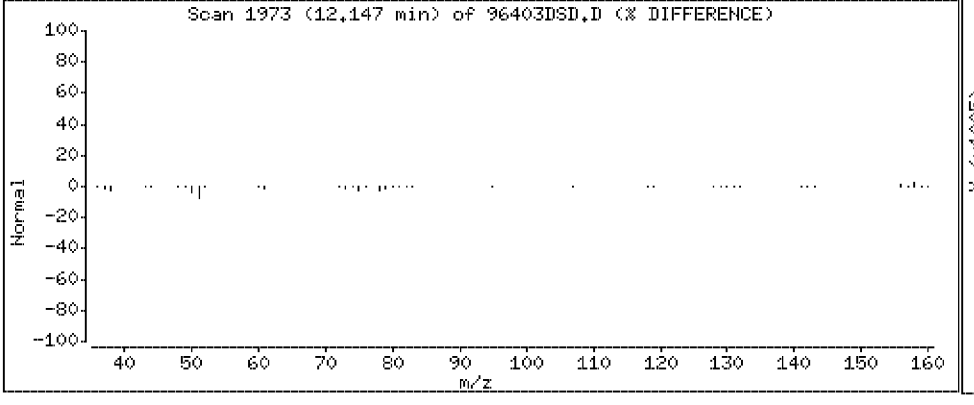
Column phase: DB-624 Column diameter: 0.18

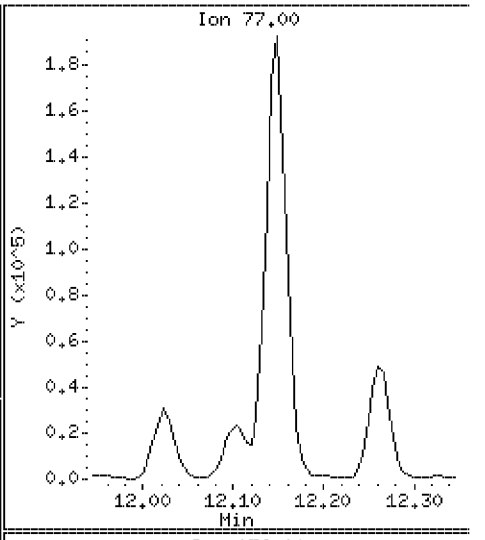
77 Bromobenzene Concentration: 97.3 ug/l

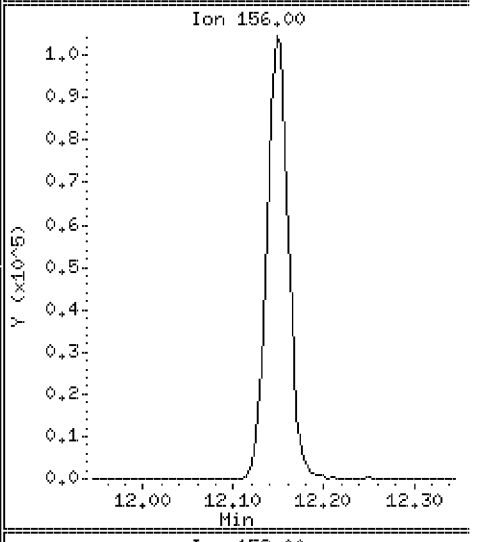


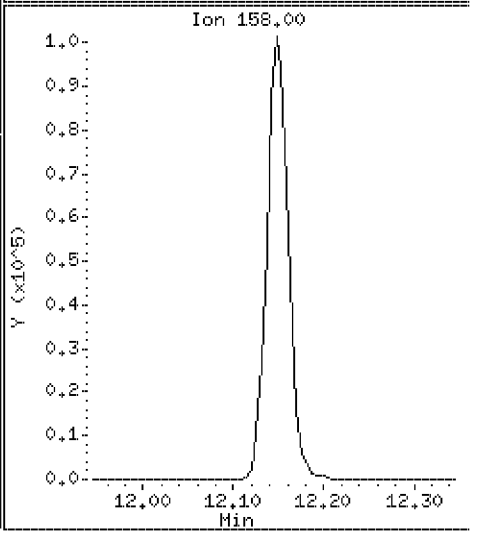












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

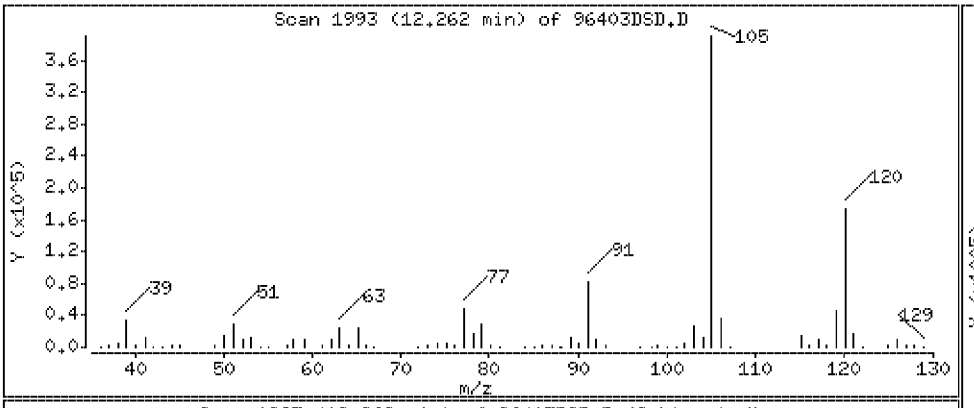
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

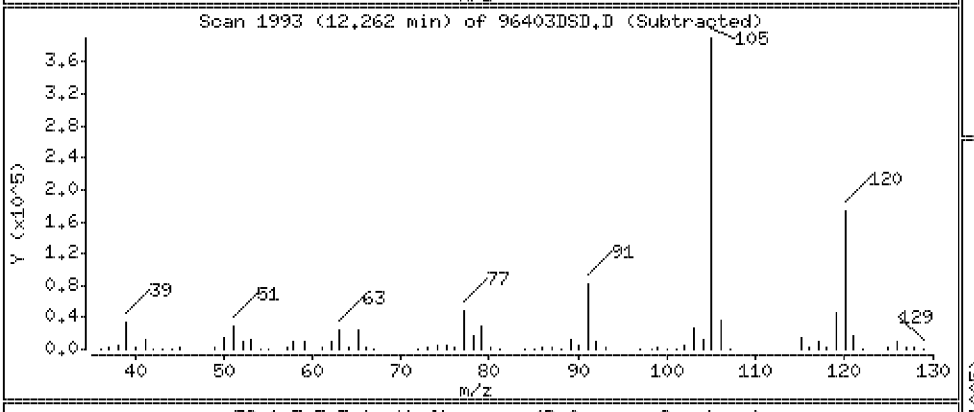
Sample Info: 250696403;2506964;5;

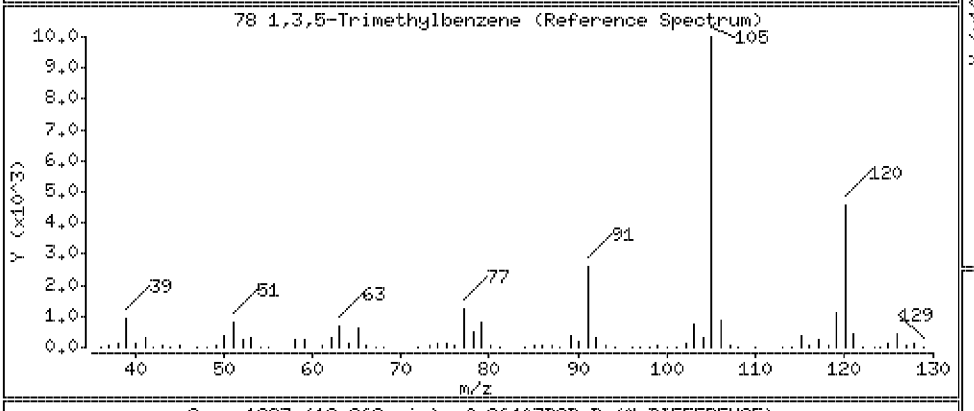
Purge Volume: 5.0 Operator:

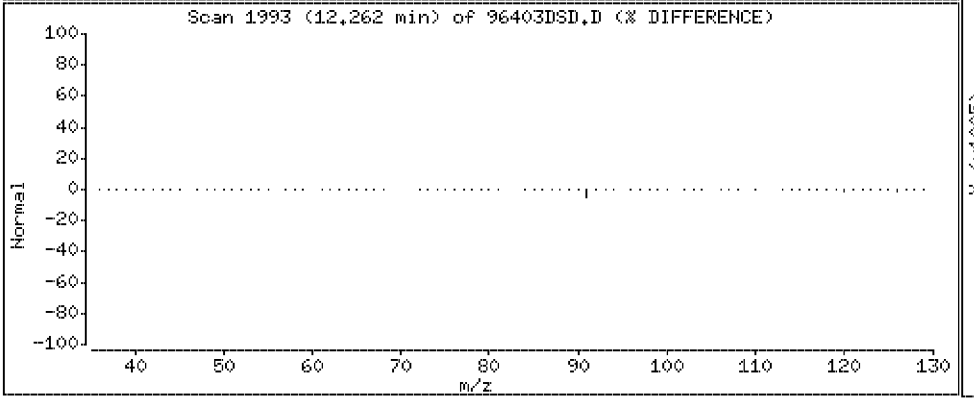
Column phase: DB-624 Column diameter: 0.18

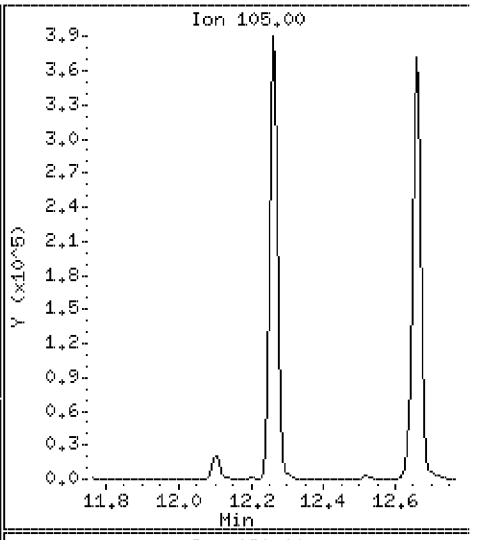
78 1,3,5-Trimethylbenzene Concentration: 102 ug/l

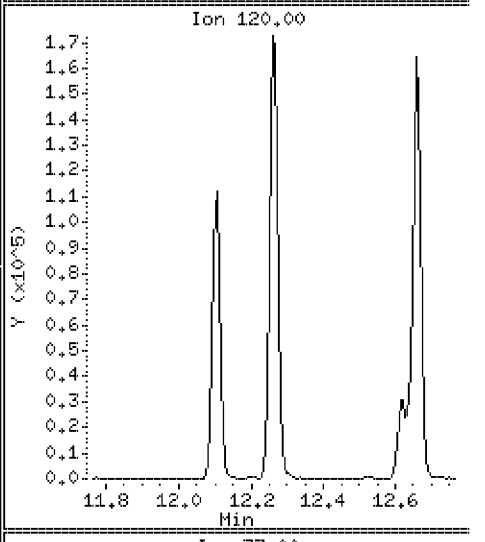


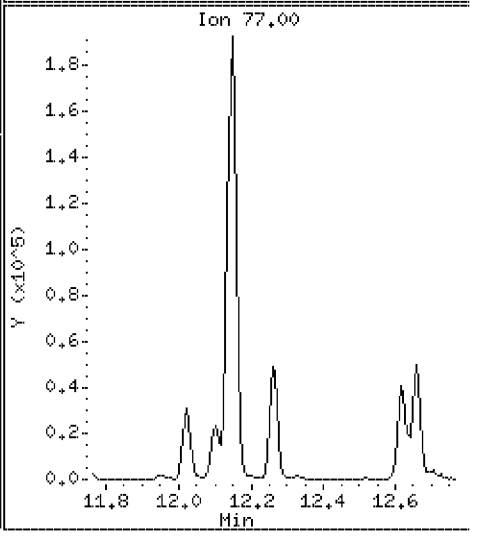












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

Client ID: TO0540AMSDBLDL1

Instrument: vms03.i

Sample Info: 250696403;2506964;5;

Purge Volume: 5.0

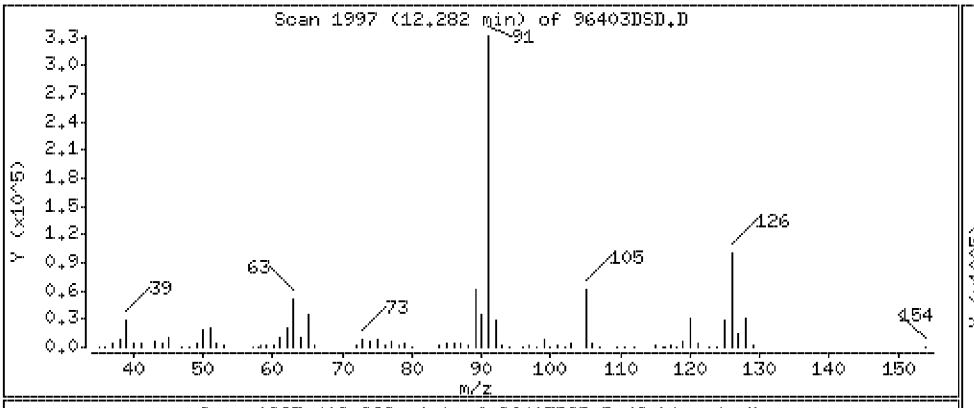
Operator:

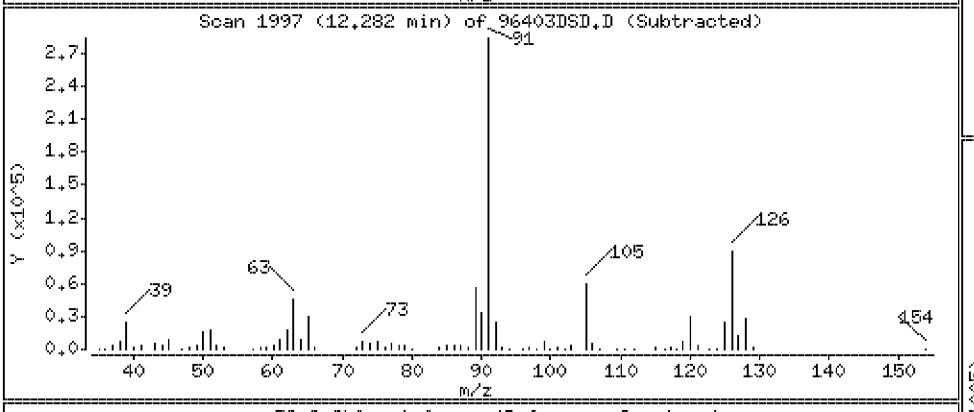
Column phase: DB-624

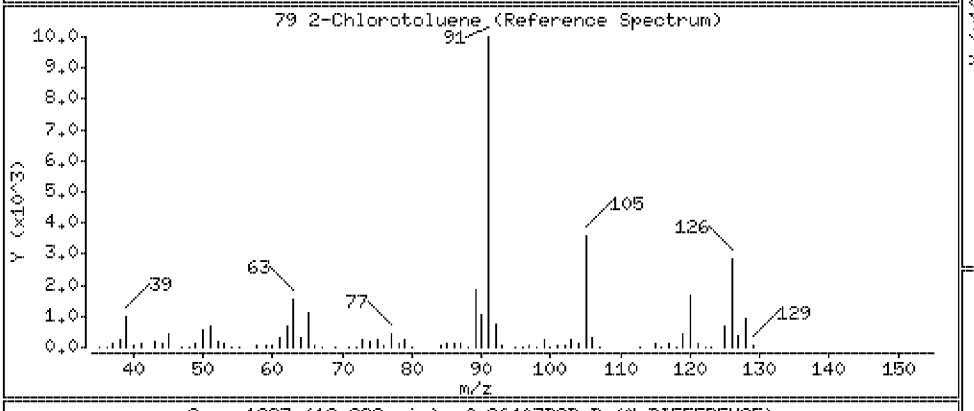
Column diameter: 0.18

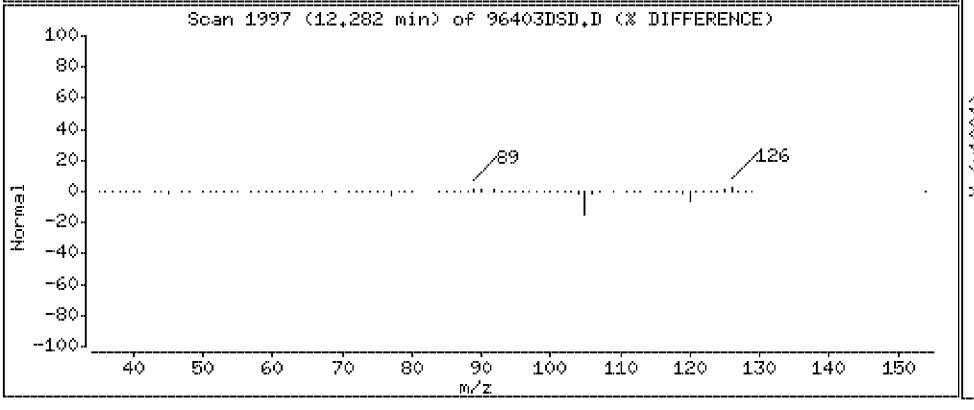
79 2-Chlorotoluene

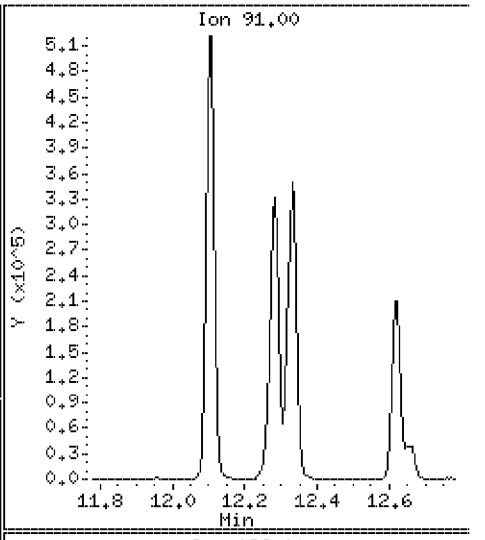
Concentration: 100 ug/l

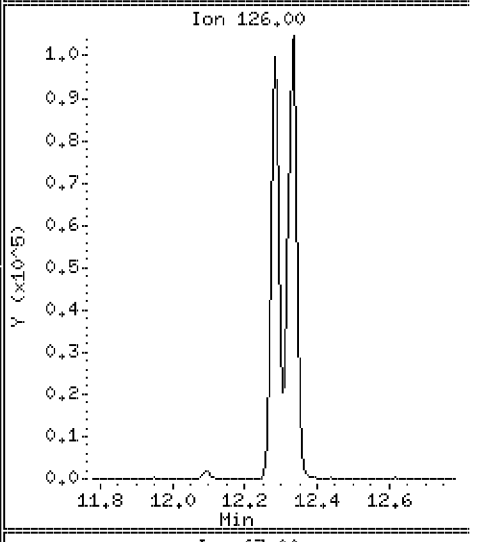


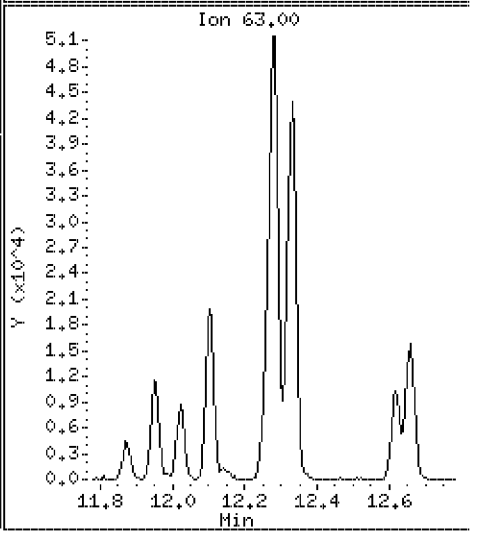












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

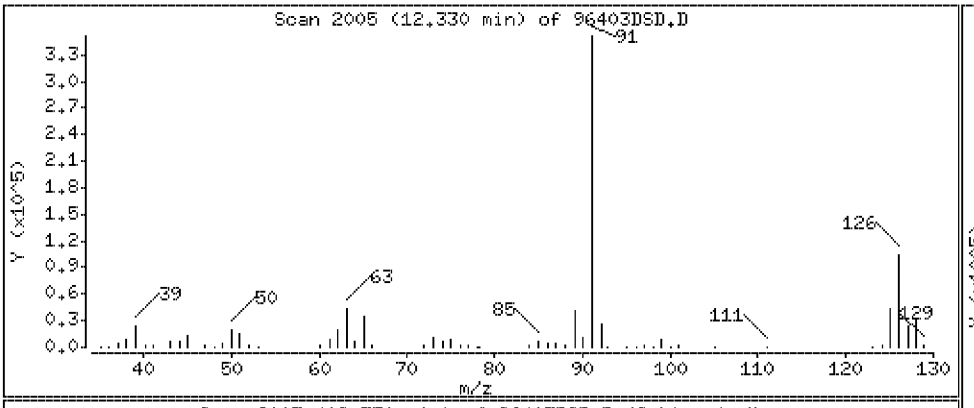
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

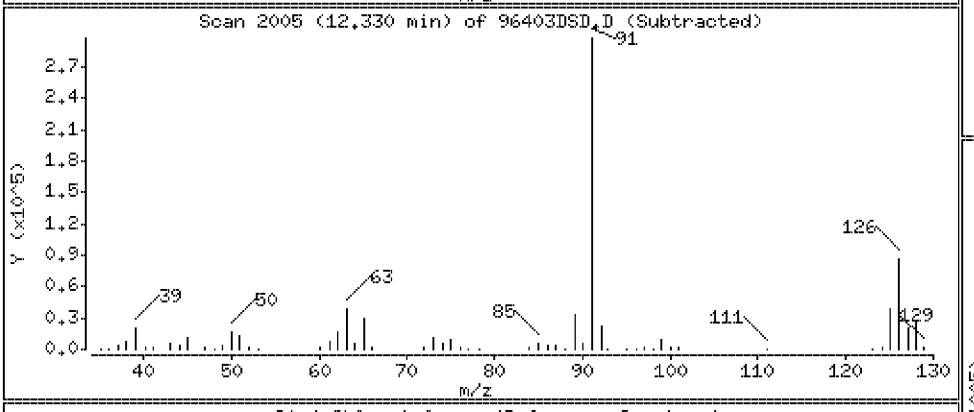
Sample Info: 250696403;2506964;5;

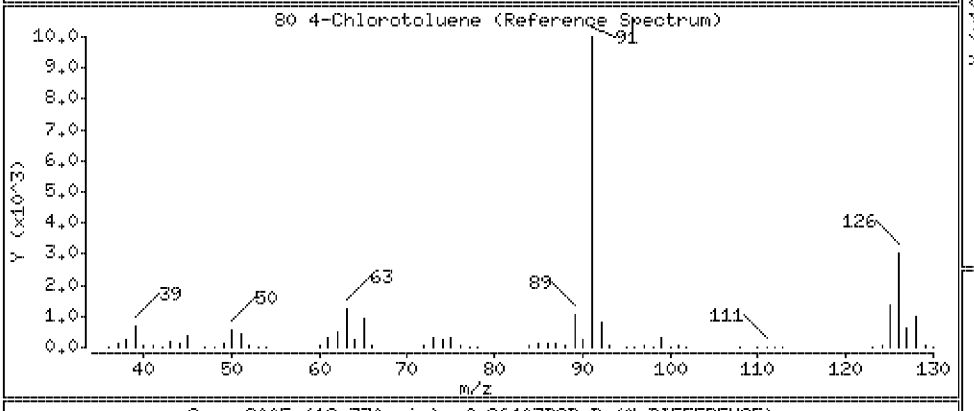
Purge Volume: 5.0 Operator:

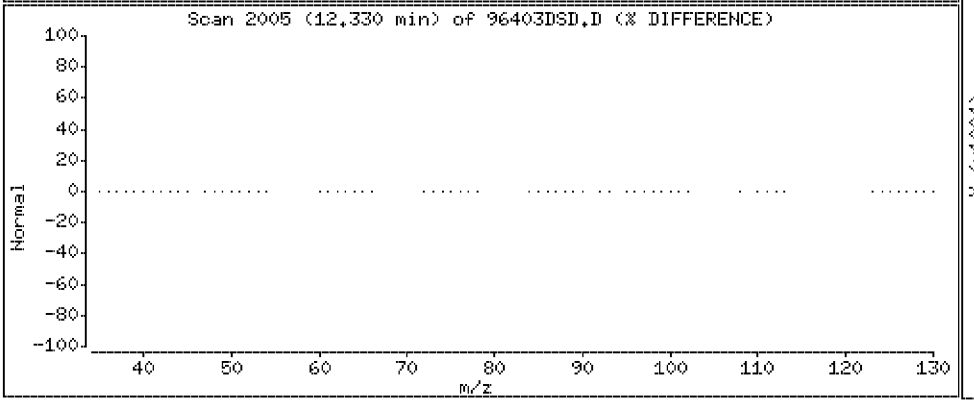
Column phase: DB-624 Column diameter: 0.18

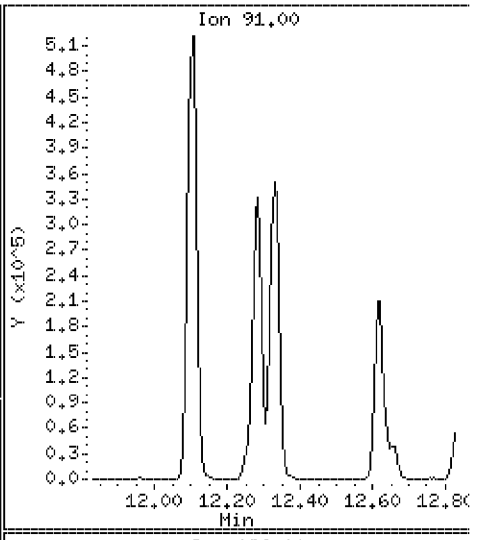
80 4-Chlorotoluene Concentration: 98.2 ug/l

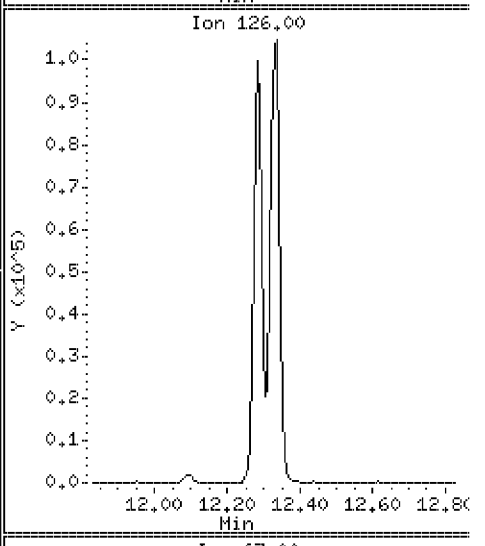


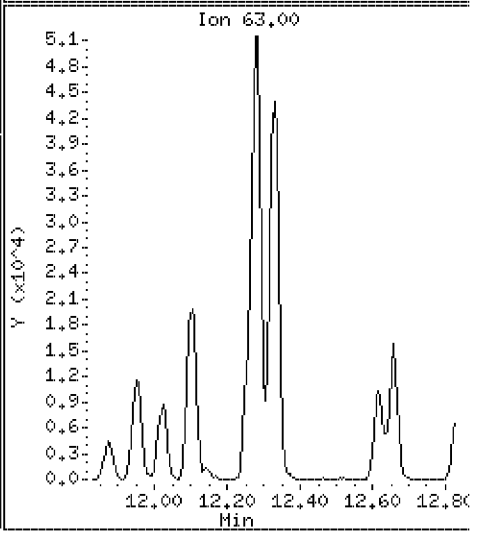












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

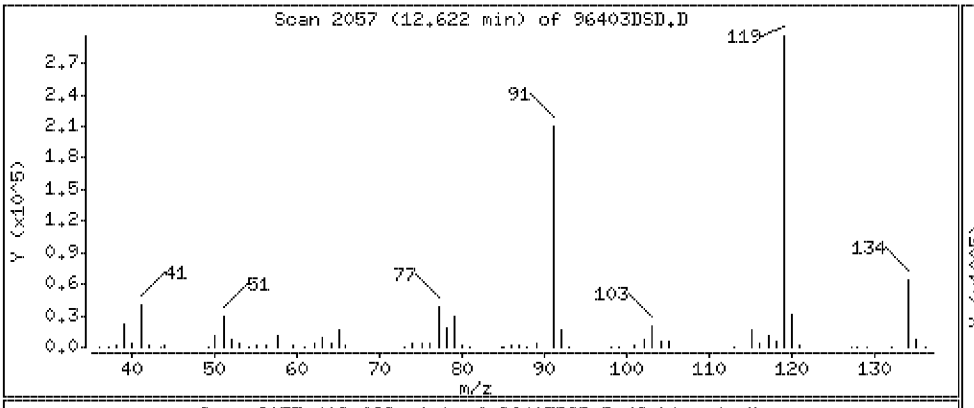
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

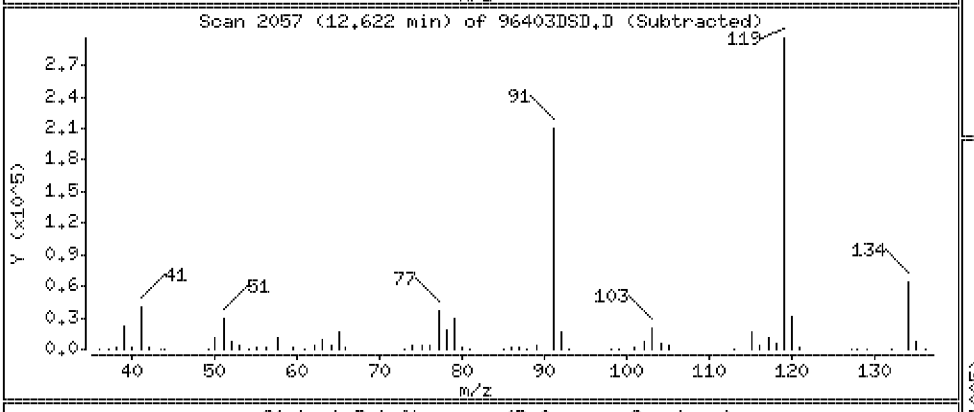
Sample Info: 250696403;2506964;5;

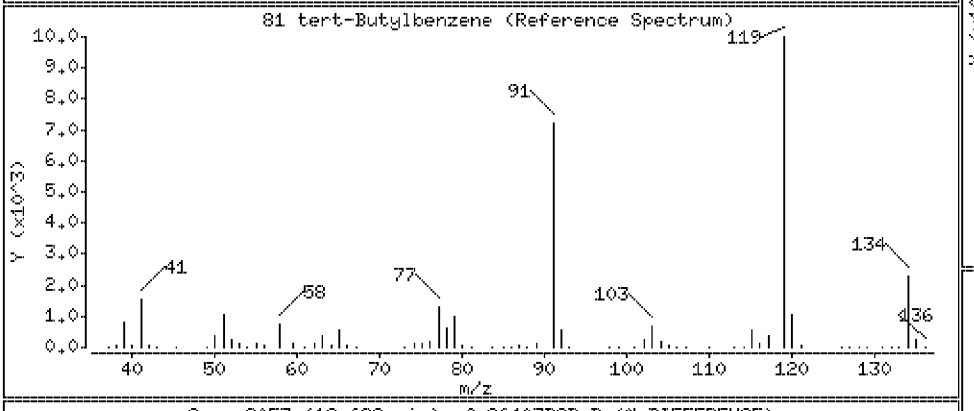
Purge Volume: 5.0 Operator:

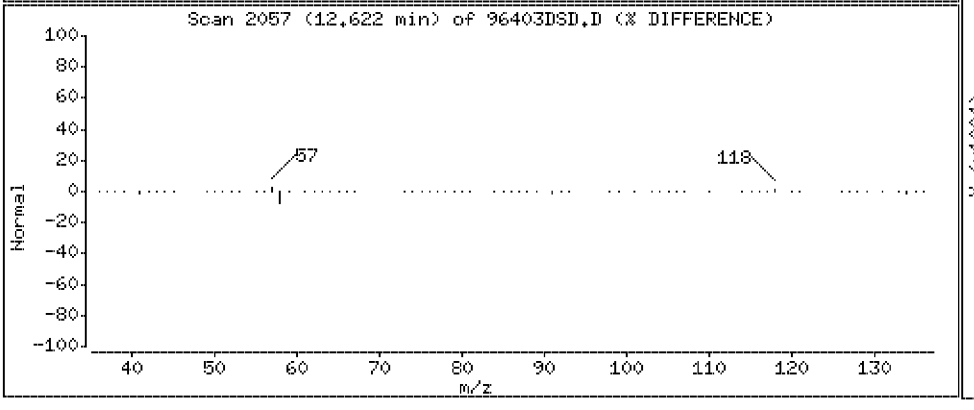
Column phase: DB-624 Column diameter: 0.18

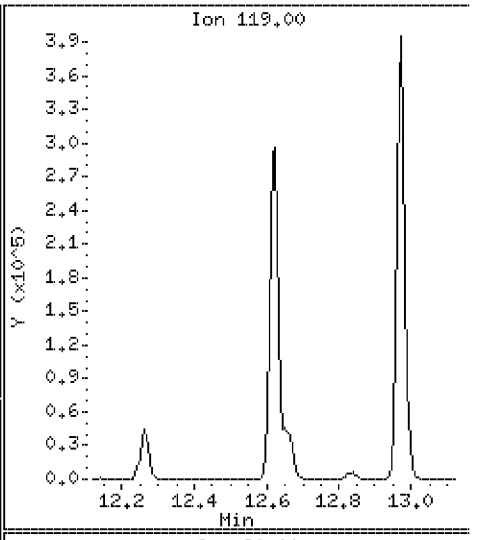
81 tert-Butylbenzene Concentration: 102 ug/l

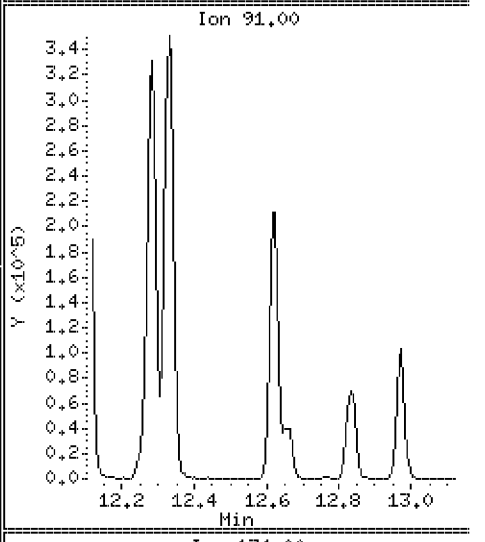


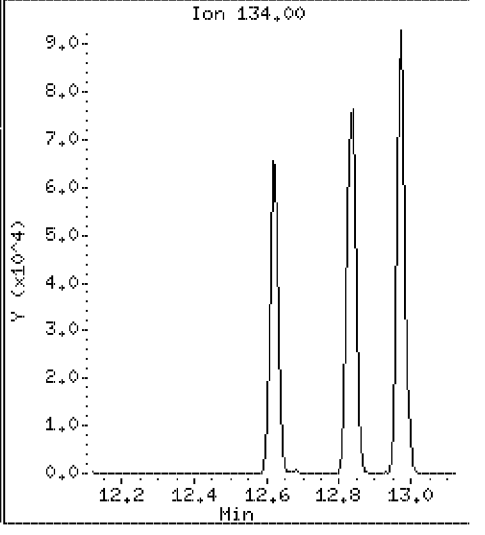












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

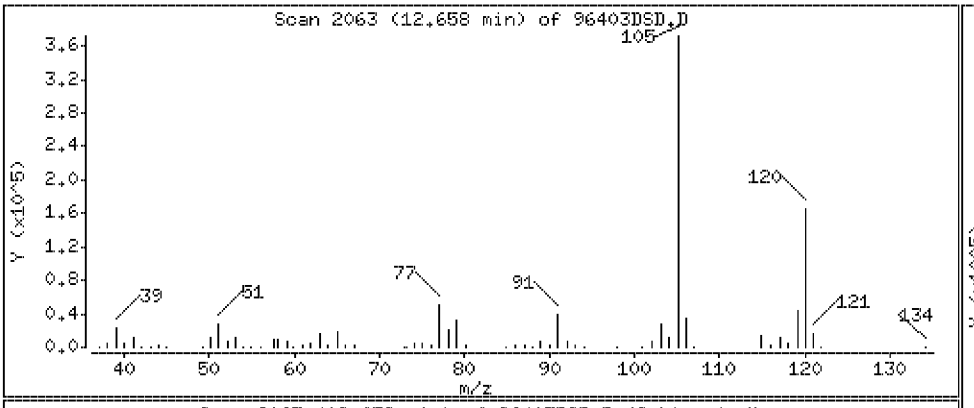
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

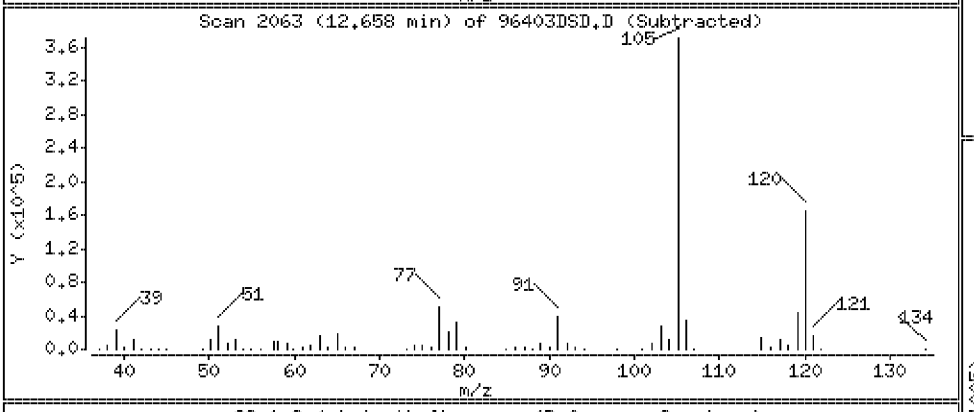
Sample Info: 250696403;2506964;5;

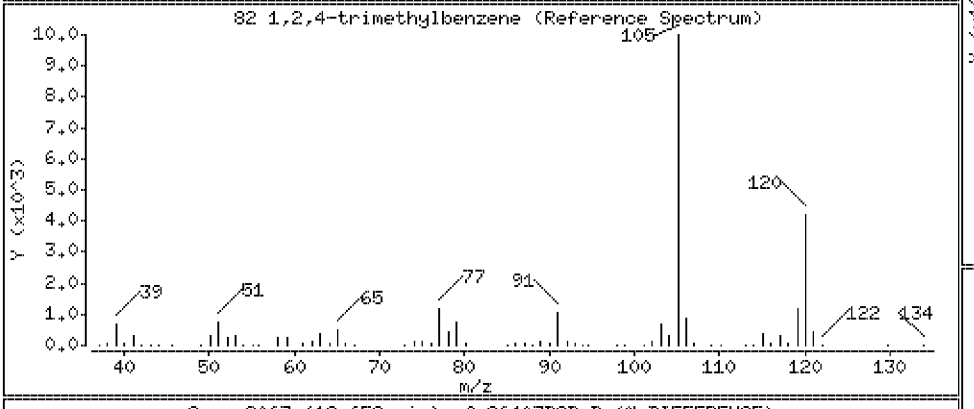
Purge Volume: 5.0 Operator:

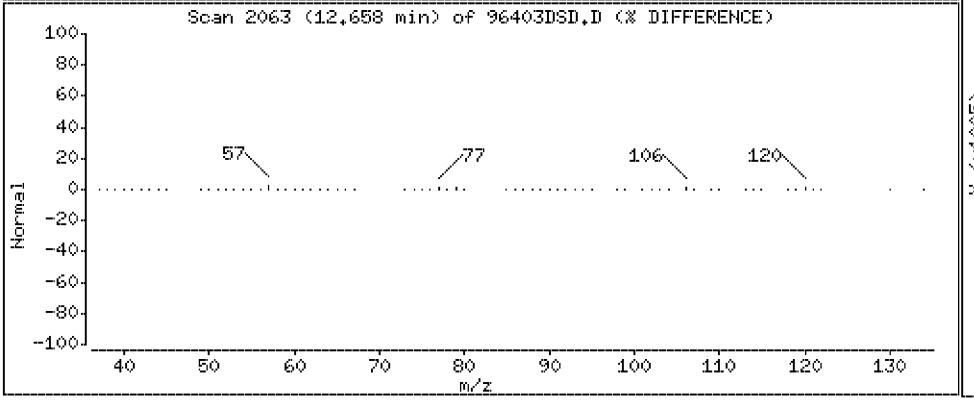
Column phase: DB-624 Column diameter: 0.18

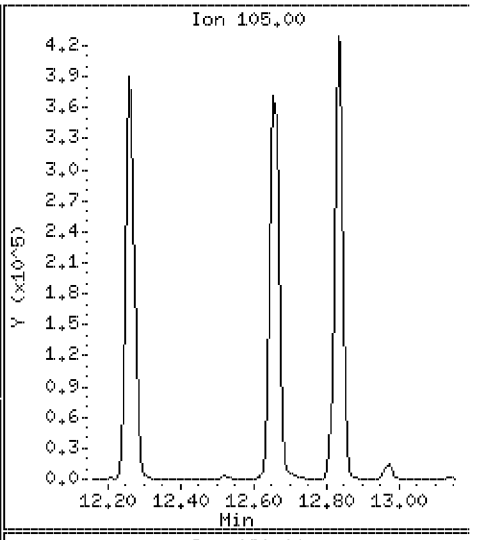
82 1,2,4-trimethylbenzene Concentration: 101 ug/l

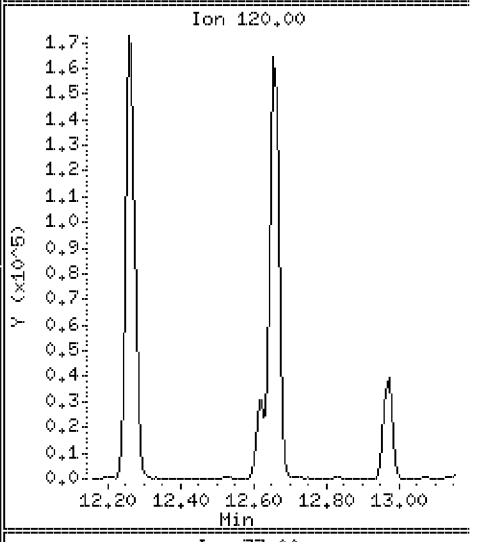


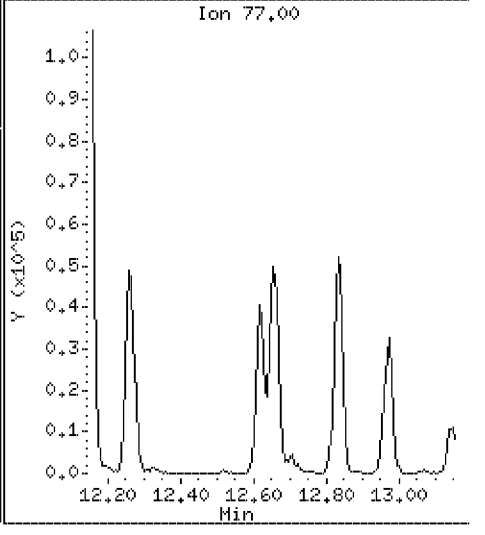












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

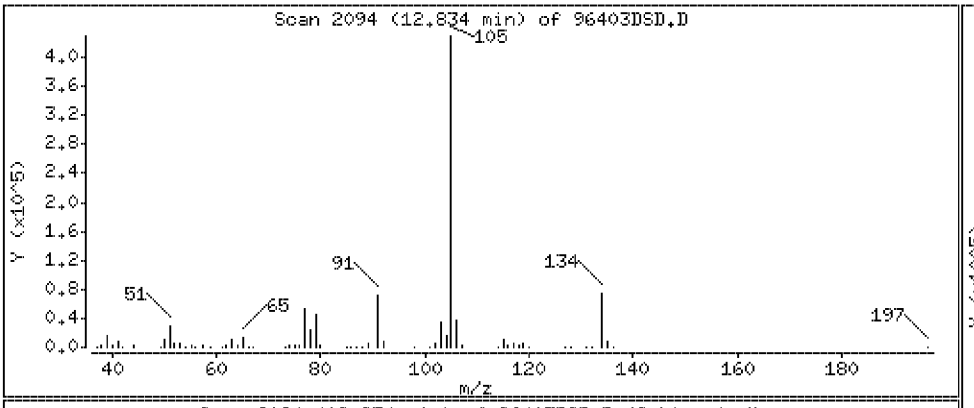
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

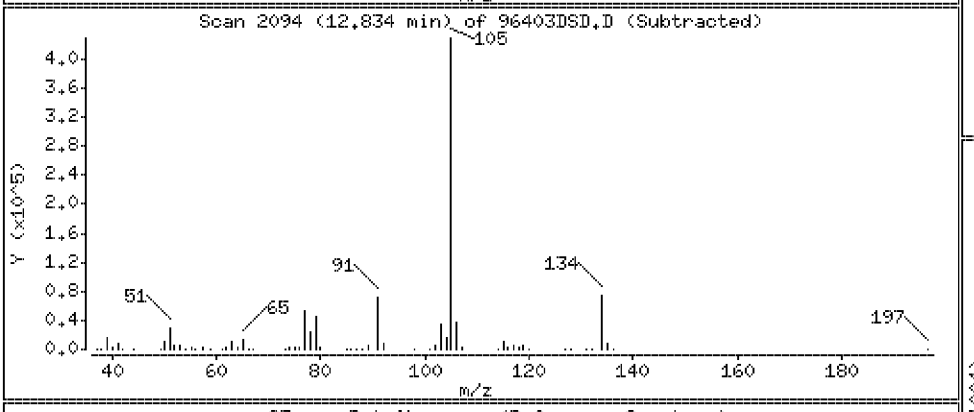
Sample Info: 250696403;2506964;5;

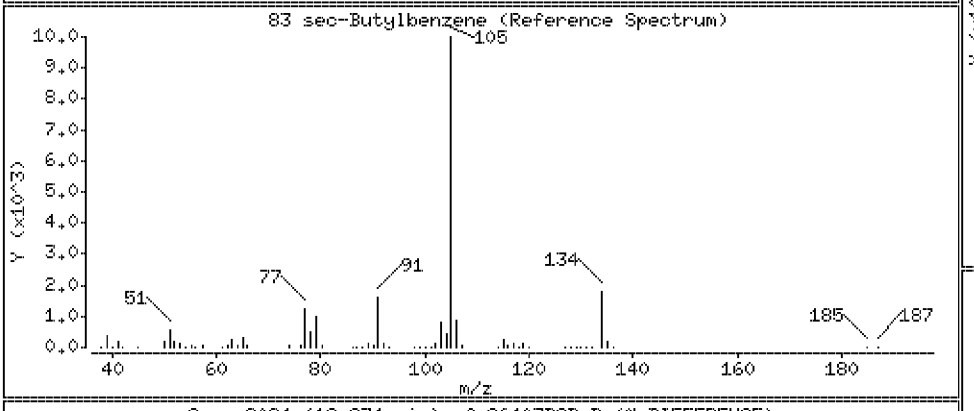
Purge Volume: 5.0 Operator:

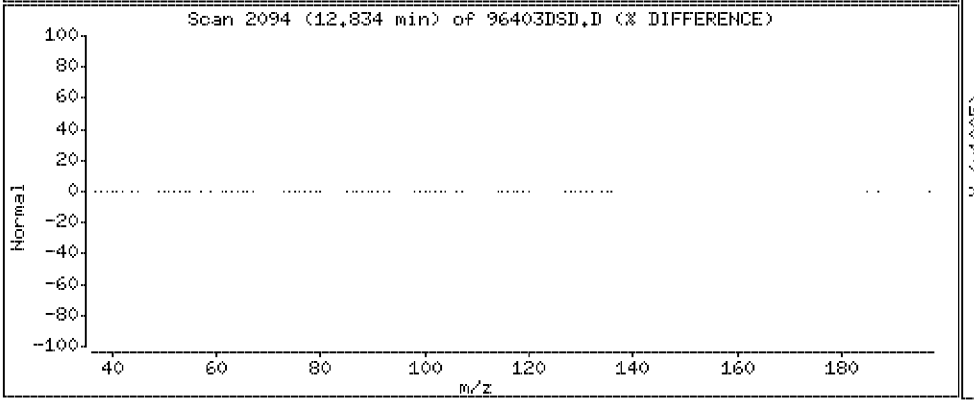
Column phase: DB-624 Column diameter: 0.18

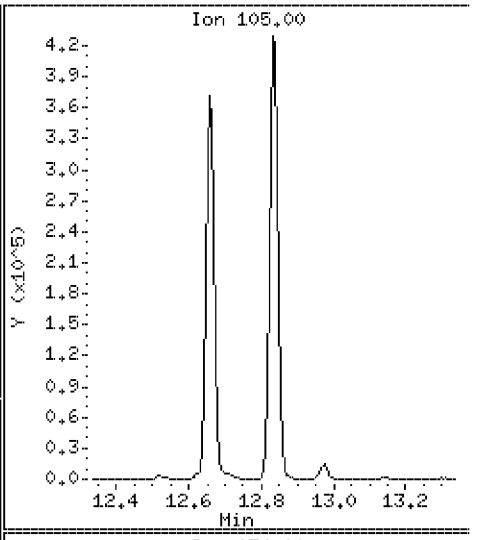
83 sec-Butylbenzene Concentration: 101 ug/l

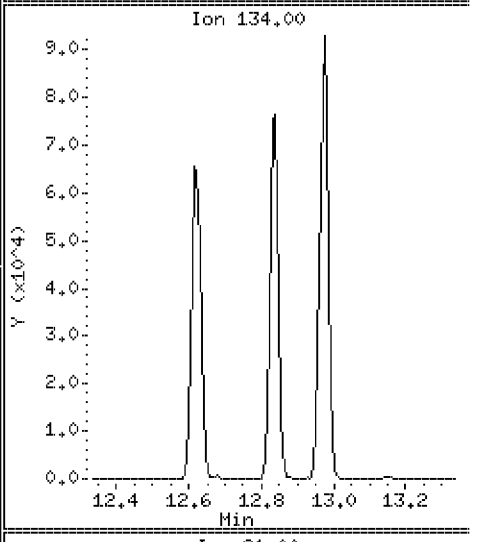


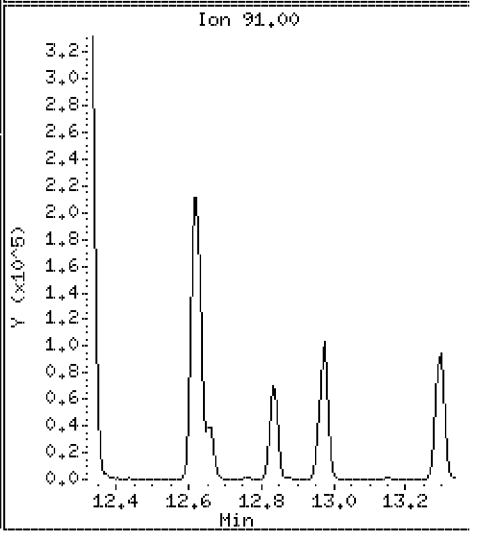












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

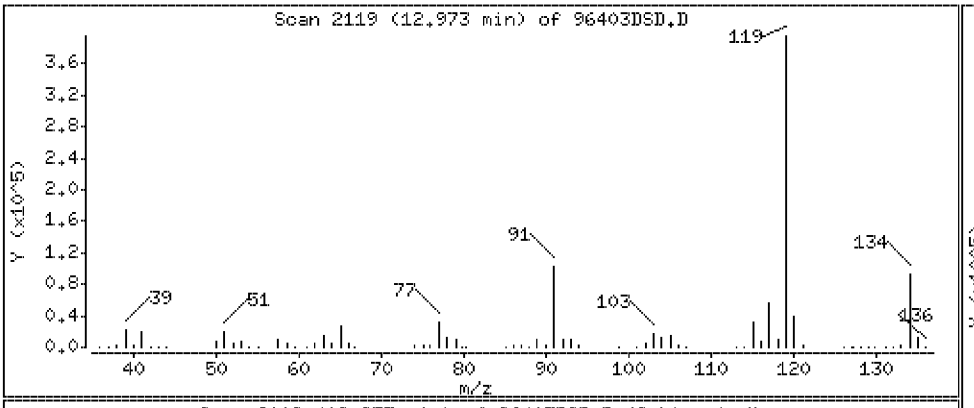
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

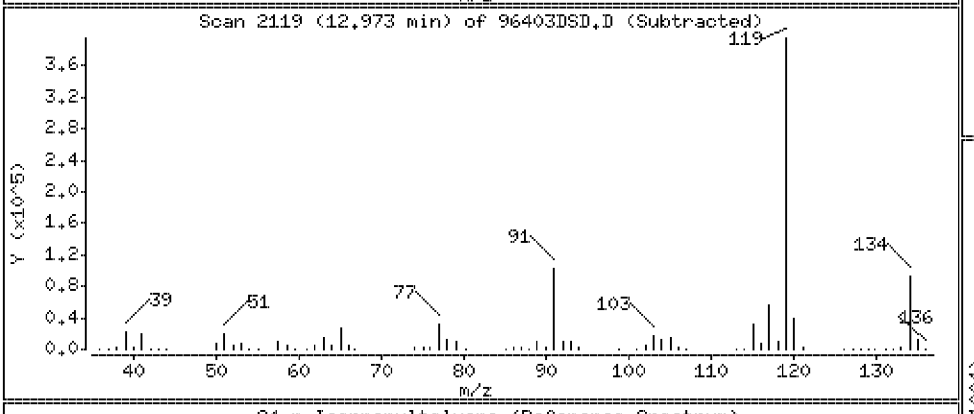
Sample Info: 250696403;2506964;5;

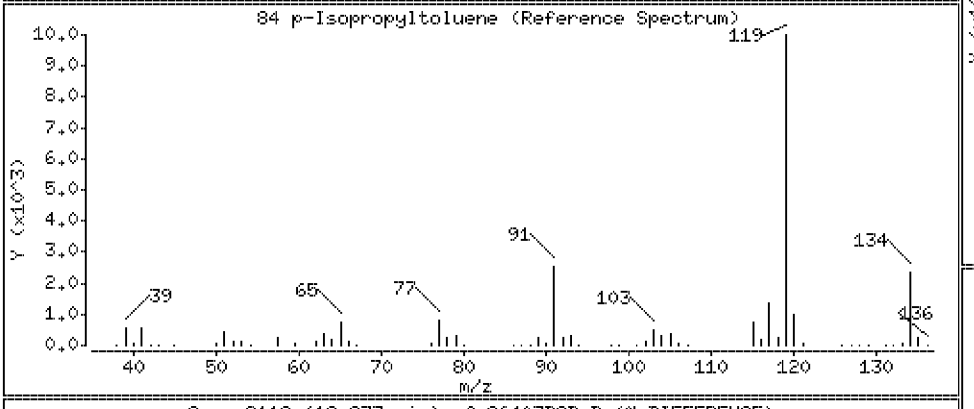
Purge Volume: 5.0 Operator:

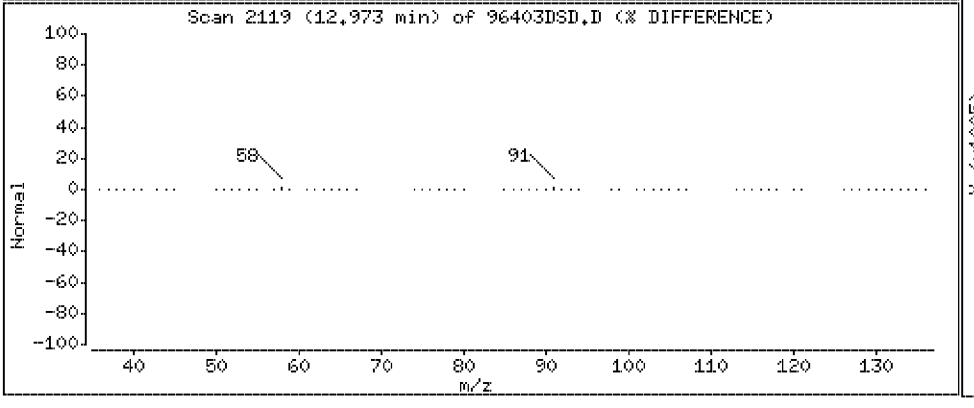
Column phase: DB-624 Column diameter: 0.18

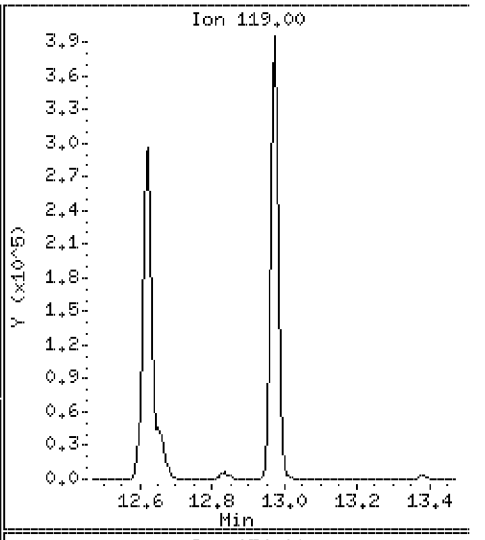
84 p-Isopropyltoluene Concentration: 102 ug/l

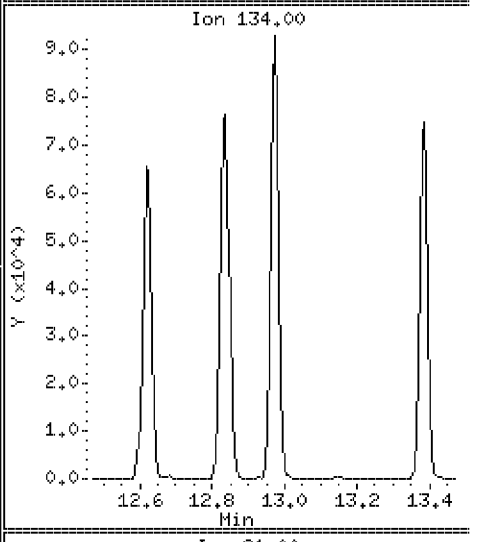


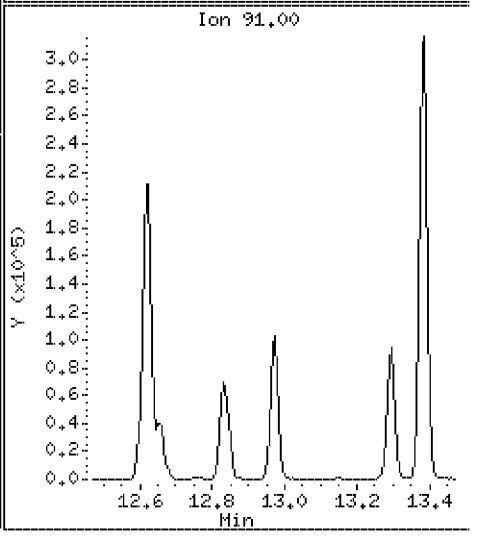












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

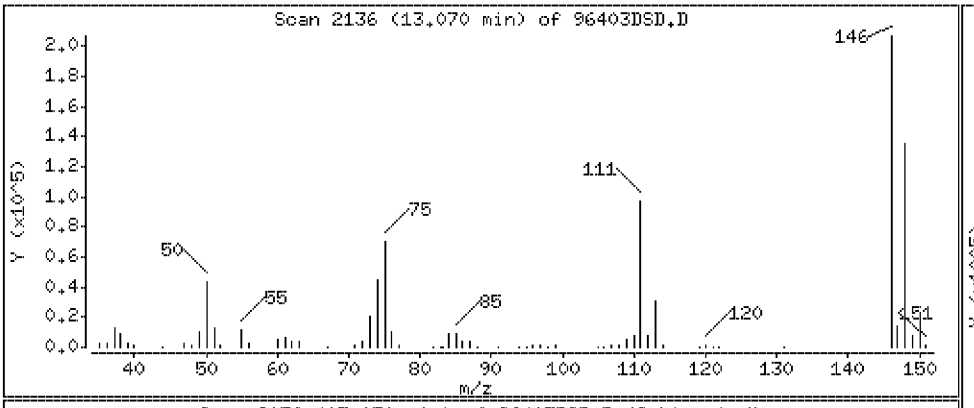
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

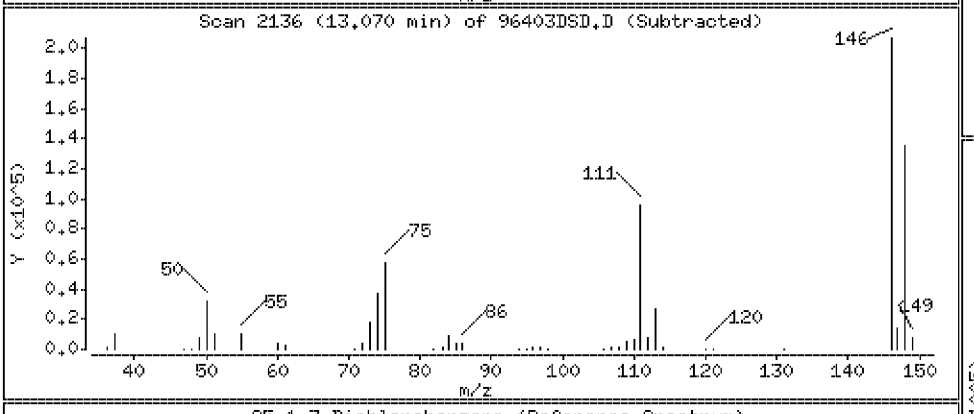
Sample Info: 250696403;2506964;5;

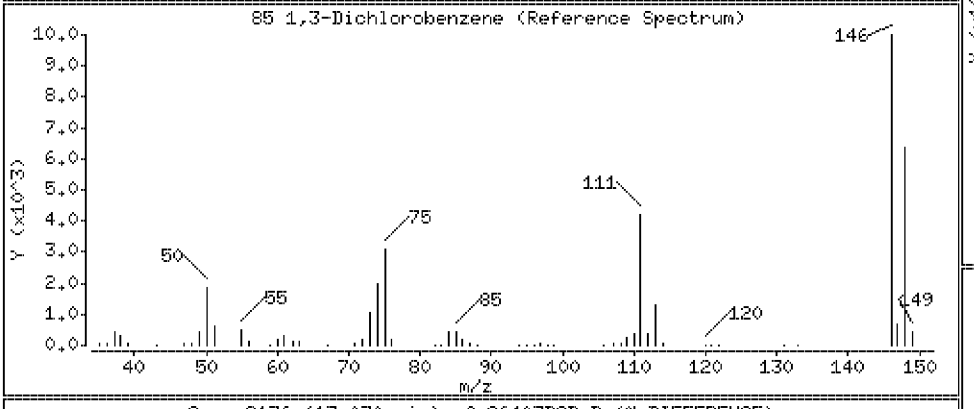
Purge Volume: 5.0 Operator:

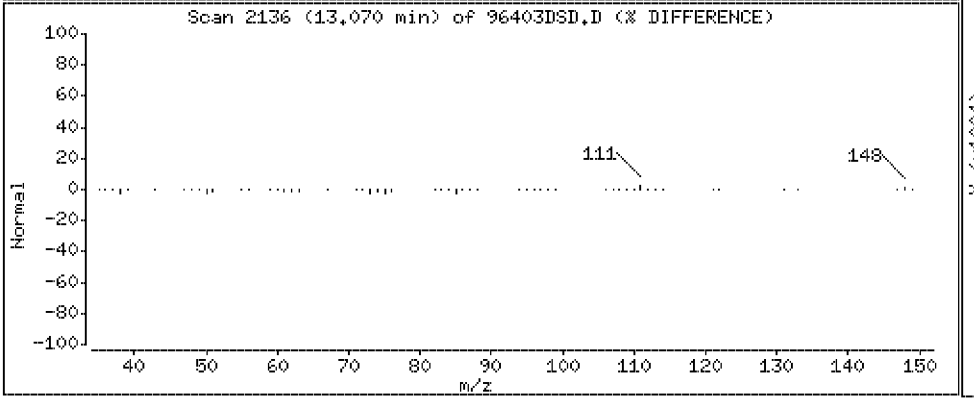
Column phase: DB-624 Column diameter: 0.18

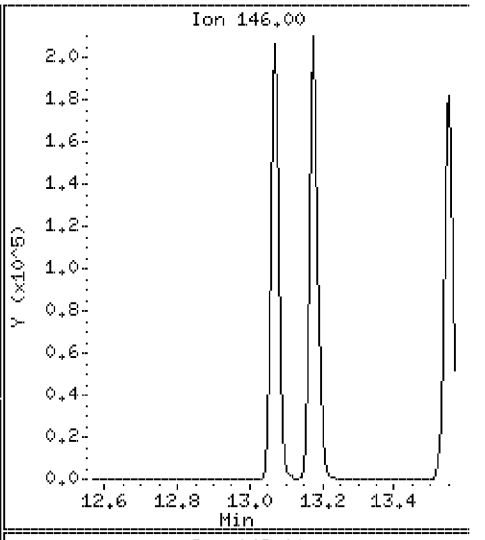
85 1,3-Dichlorobenzene Concentration: 102 ug/l

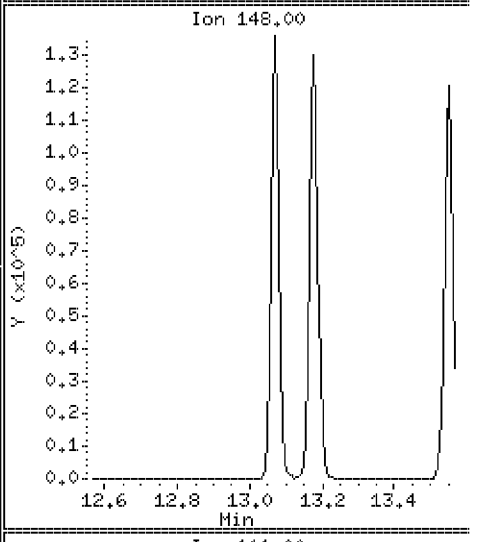


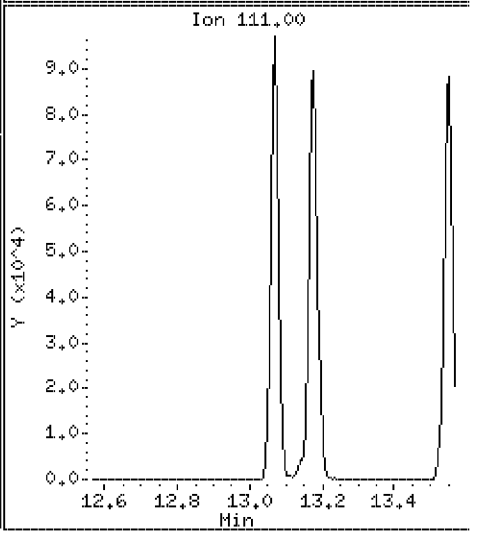












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

Client ID: TO0540AMSDBLDL1

Instrument: vms03.i

Sample Info: 250696403;2506964;5;

Purge Volume: 5.0

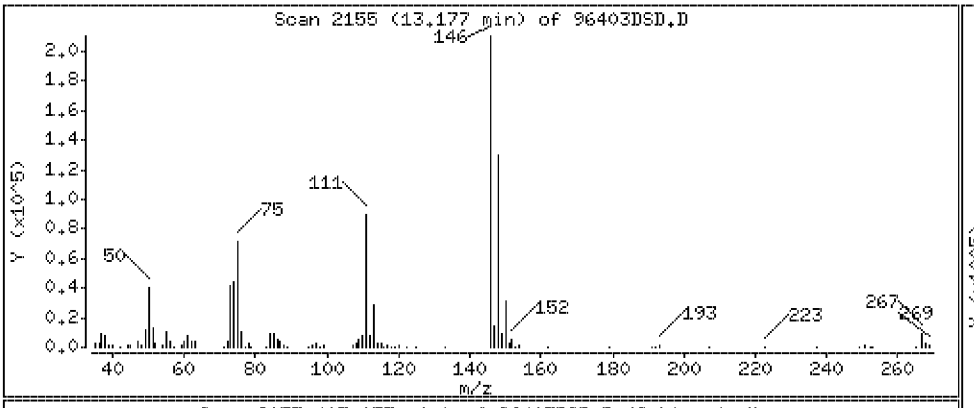
Operator:

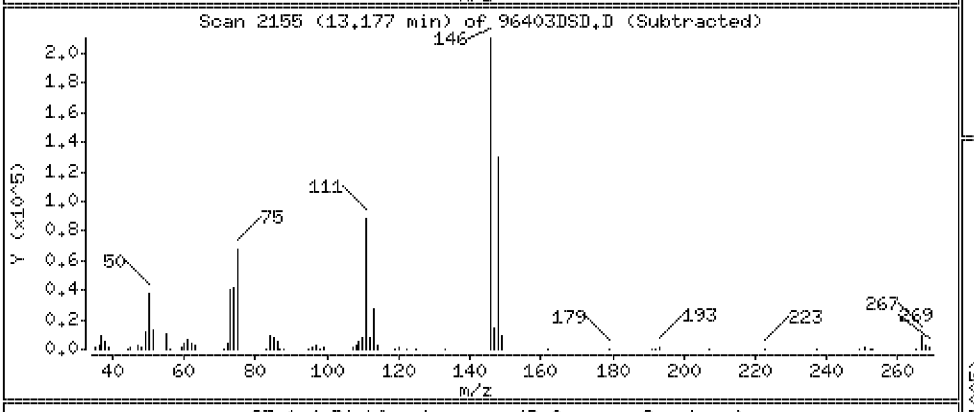
Column phase: DB-624

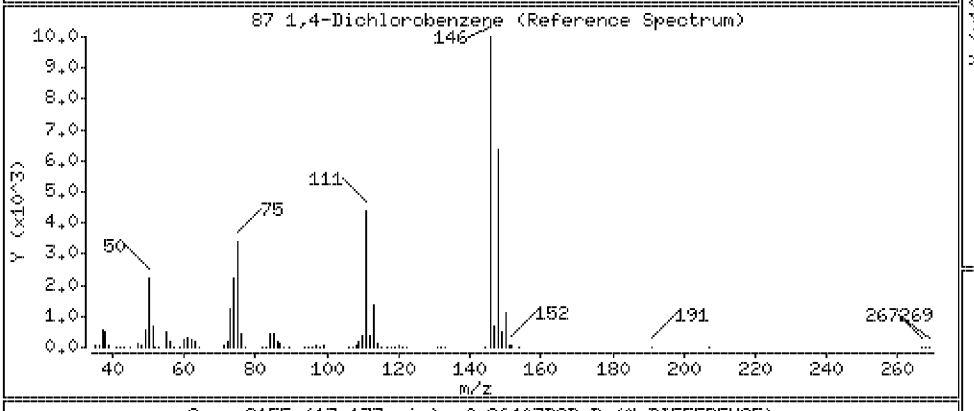
Column diameter: 0.18

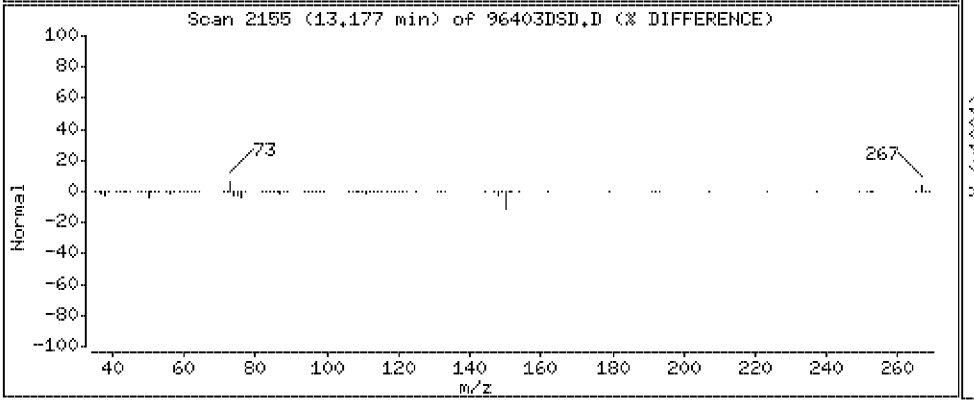
87 1,4-Dichlorobenzene

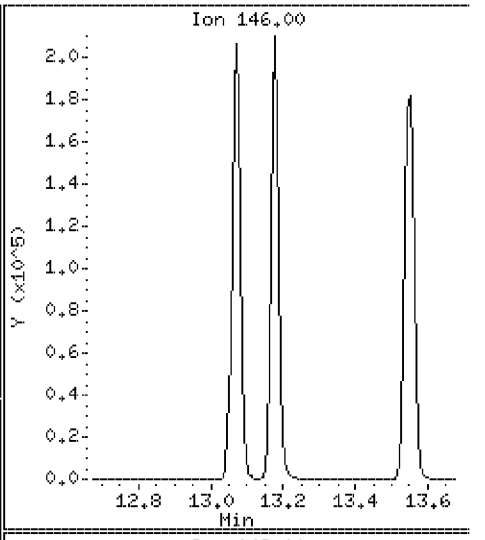
Concentration: 99.0 ug/l

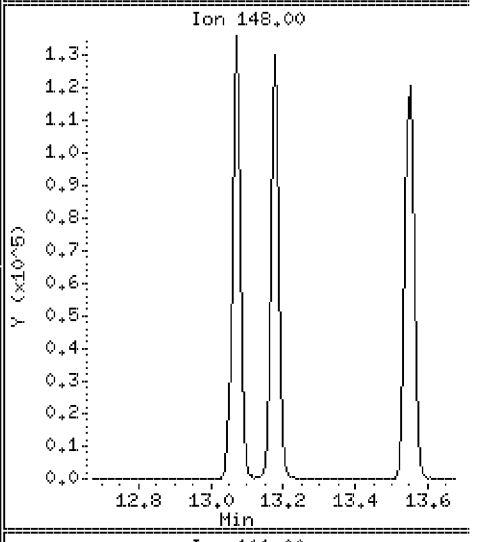


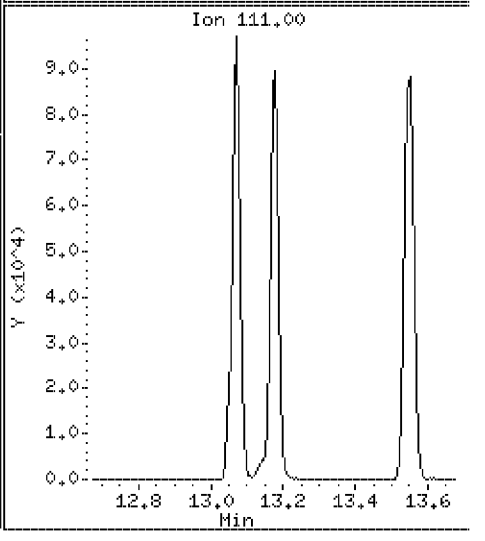












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

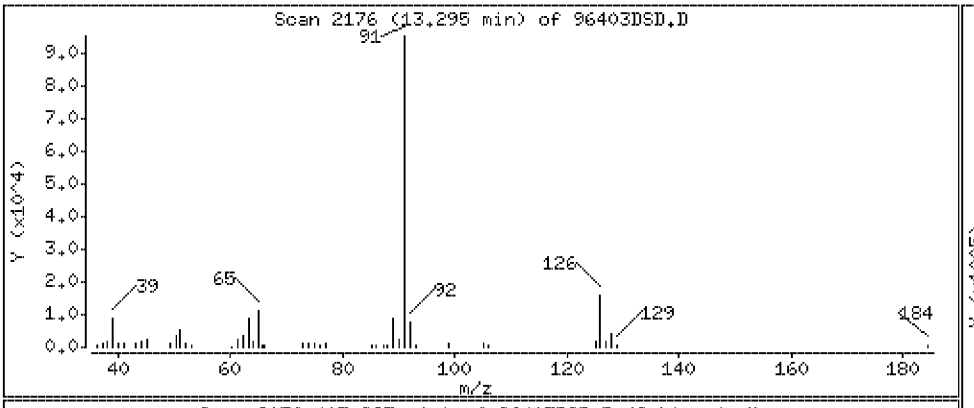
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

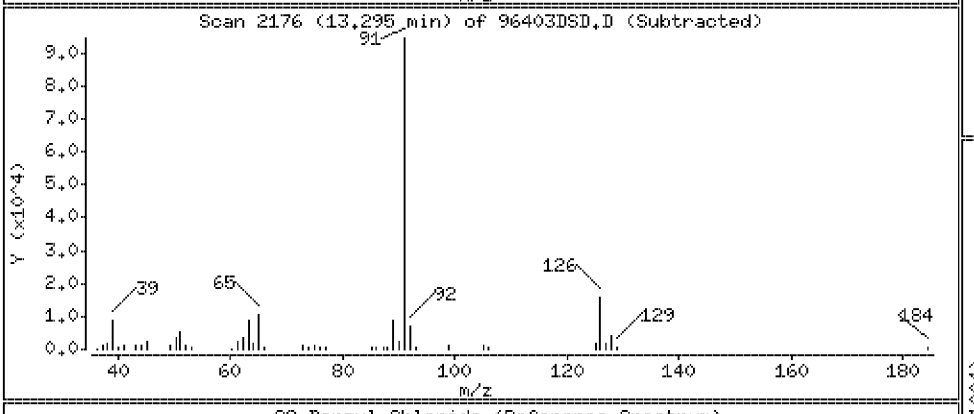
Sample Info: 250696403;2506964;5;

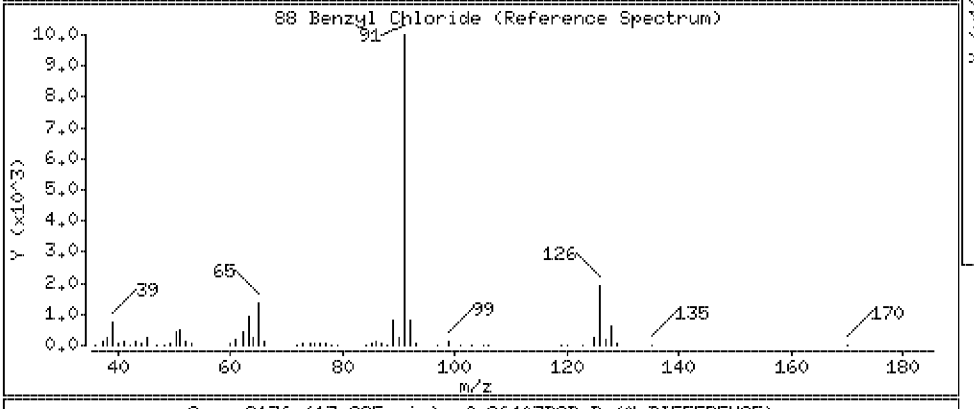
Purge Volume: 5.0 Operator:

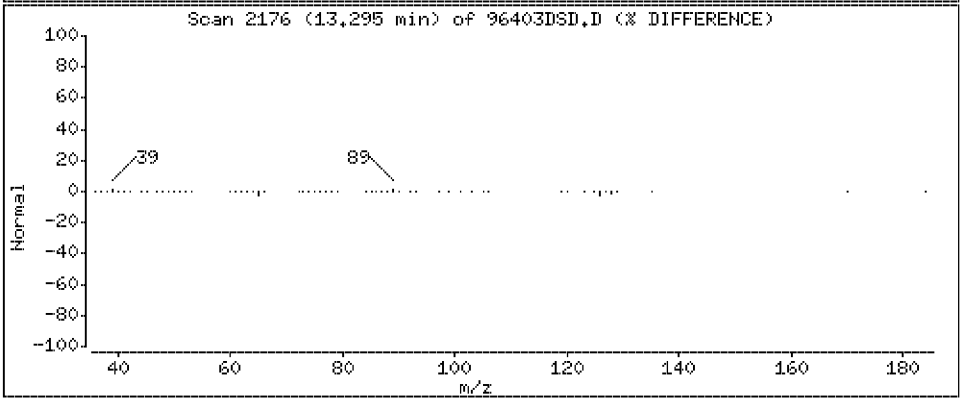
Column phase: DB-624 Column diameter: 0.18

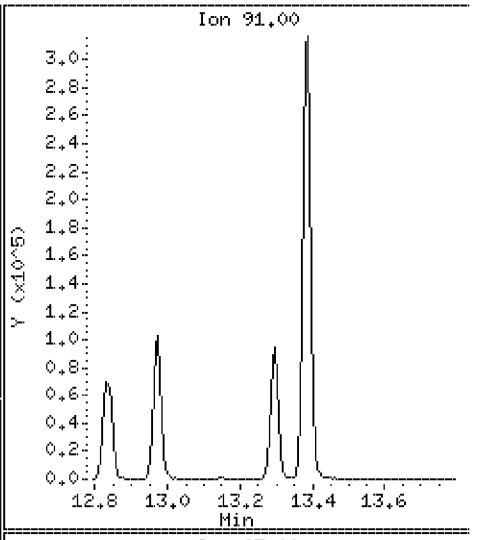
88 Benzyl Chloride Concentration: 87.4 ug/l

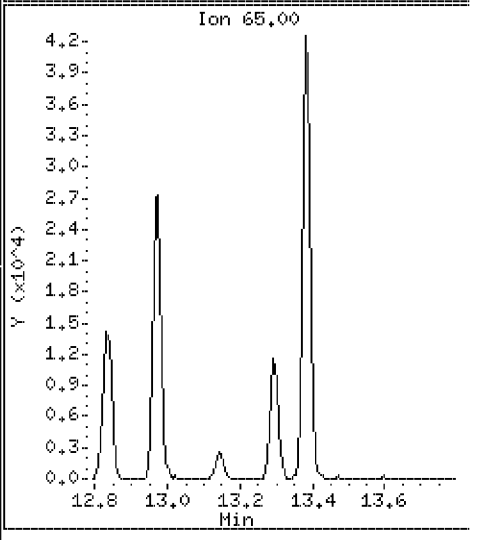












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

Client ID: TO0540AMSDBLDL1

Instrument: vms03.i

Sample Info: 250696403;2506964;5;

Purge Volume: 5.0

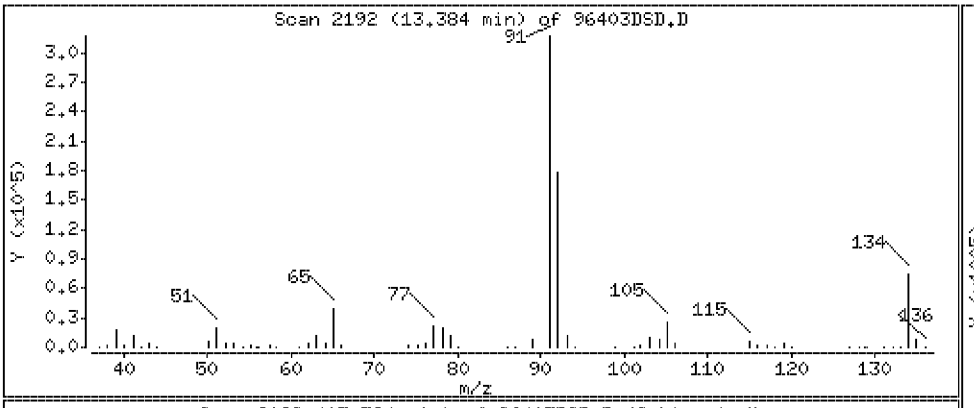
Operator:

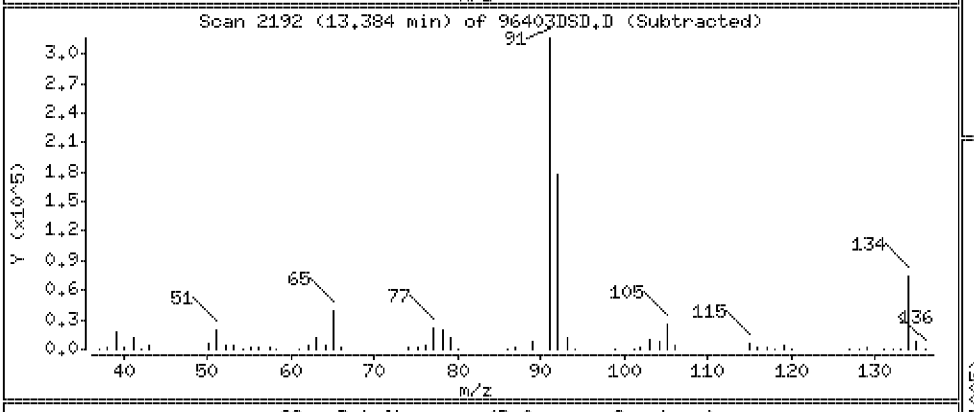
Column phase: DB-624

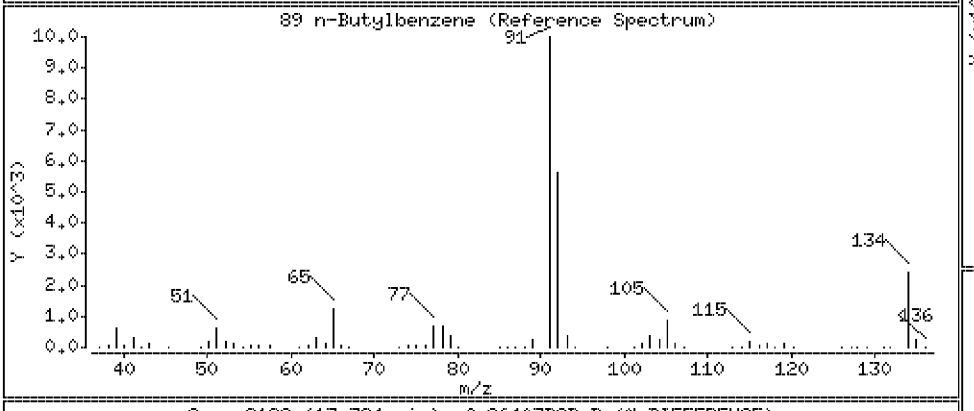
Column diameter: 0.18

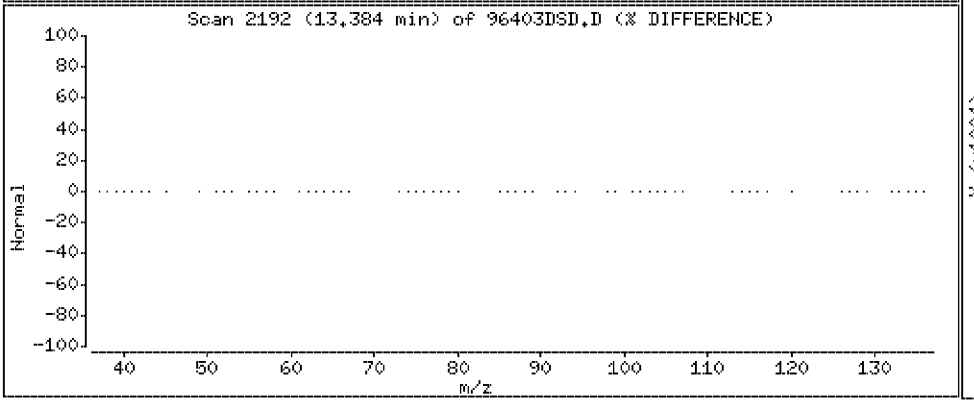
89 n-Butylbenzene

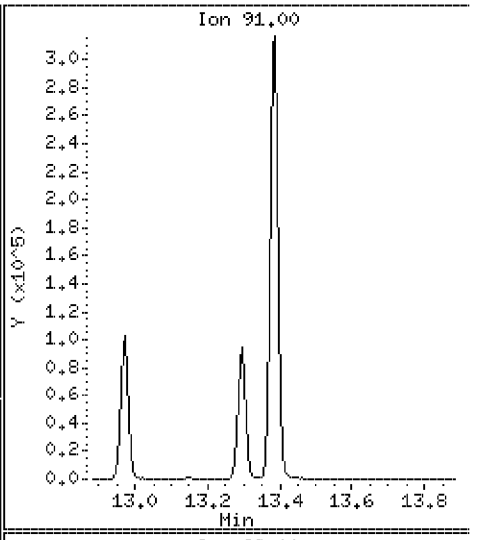
Concentration: 99.9 ug/l

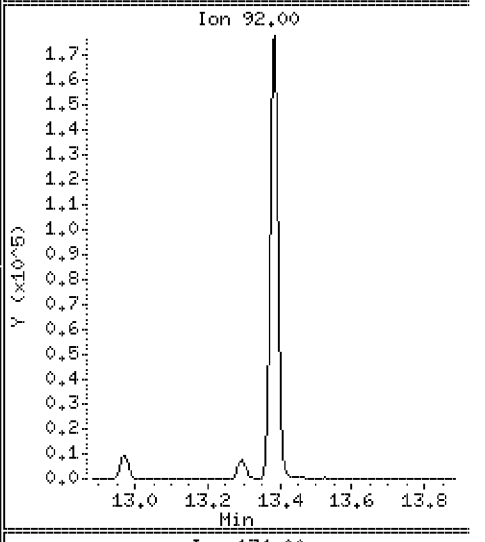


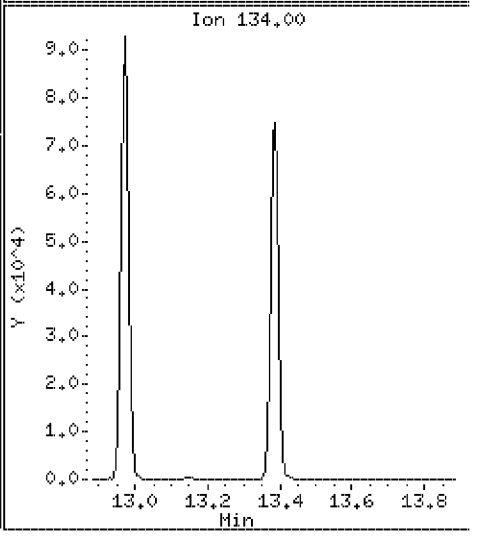












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

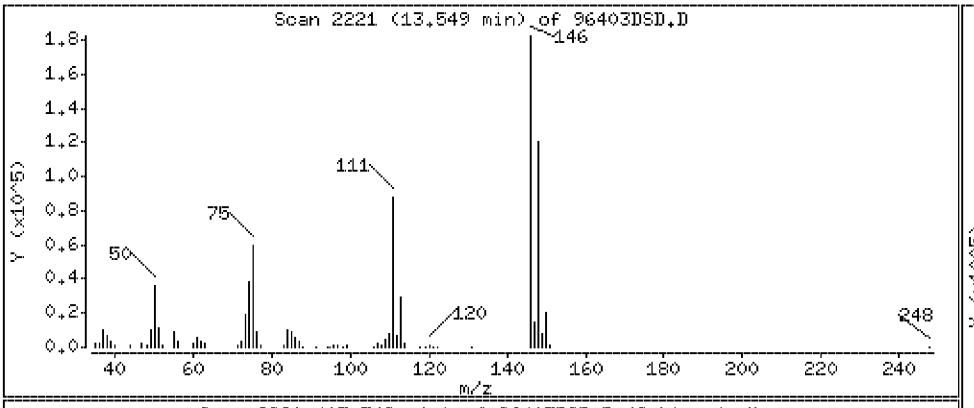
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

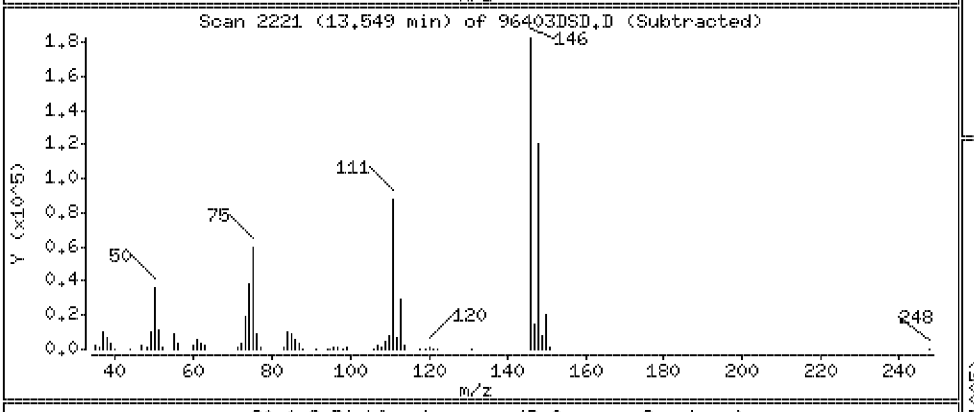
Sample Info: 250696403;2506964;5;

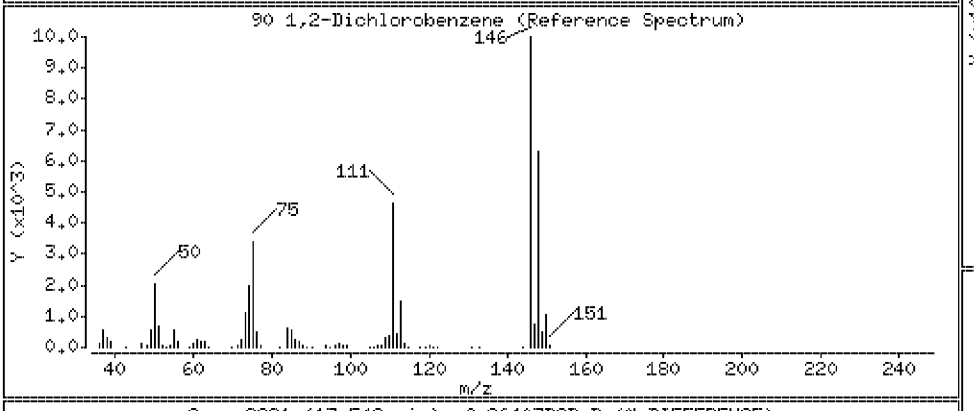
Purge Volume: 5.0 Operator:

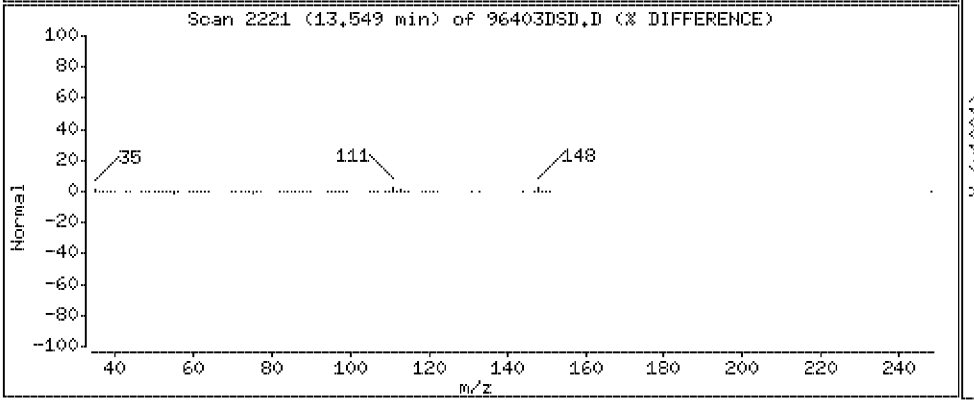
Column phase: DB-624 Column diameter: 0.18

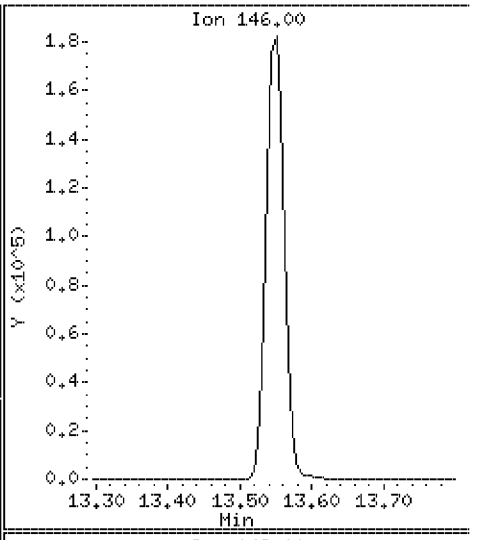
90 1,2-Dichlorobenzene Concentration: 100 ug/l

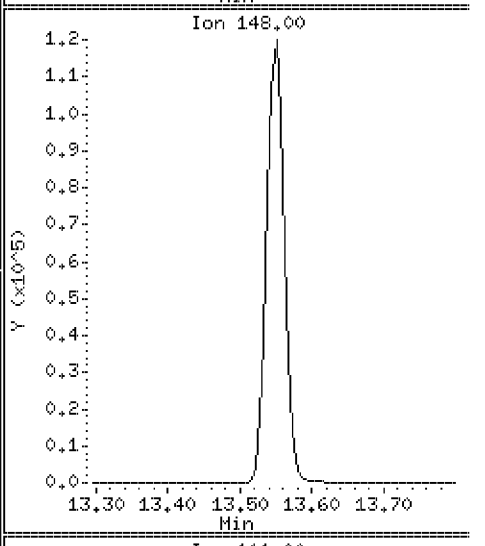


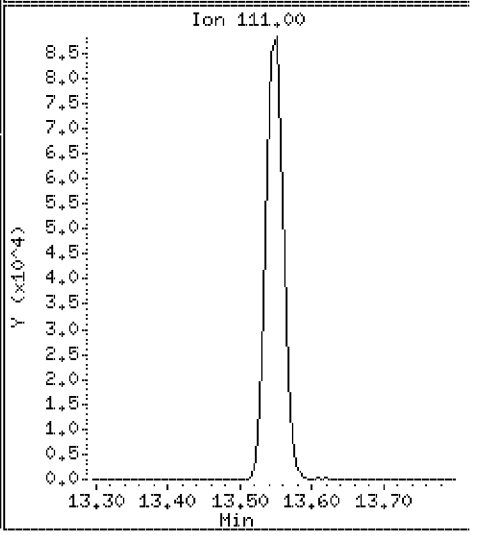












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

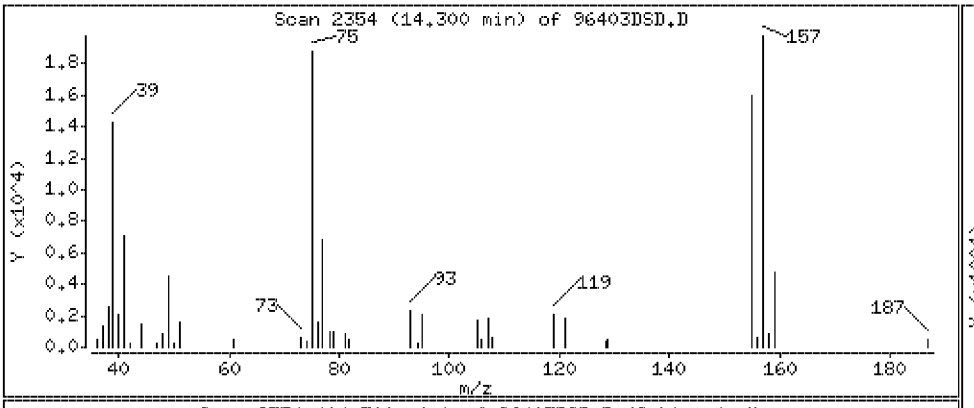
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

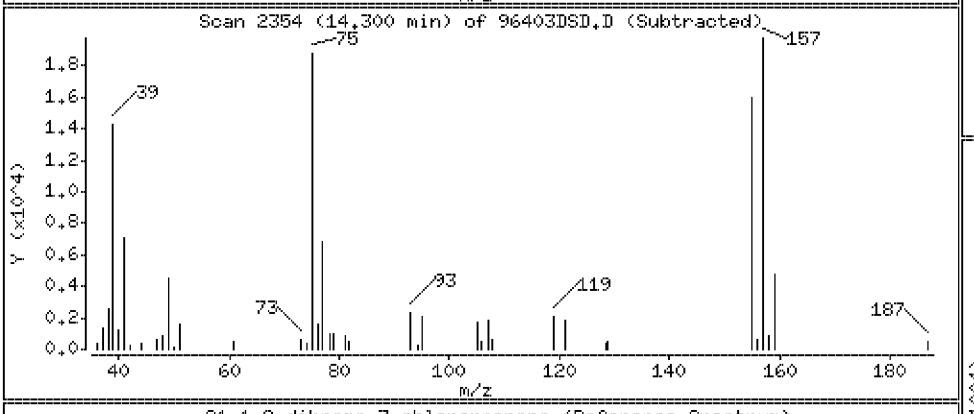
Sample Info: 250696403;2506964;5;

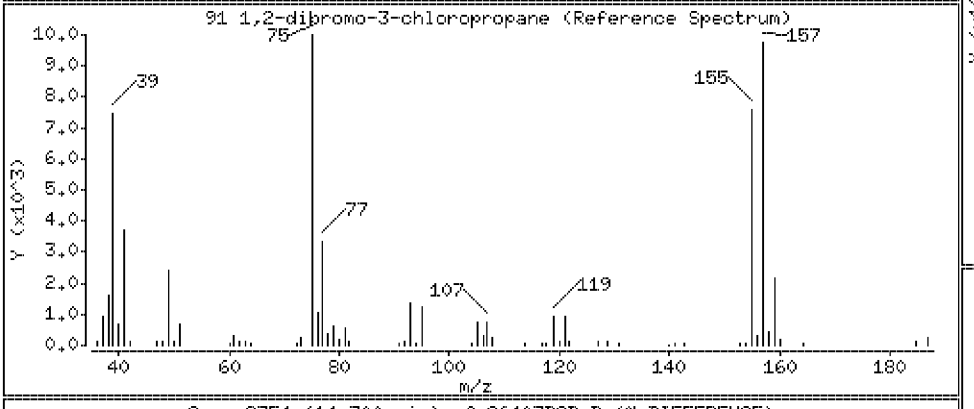
Purge Volume: 5.0 Operator:

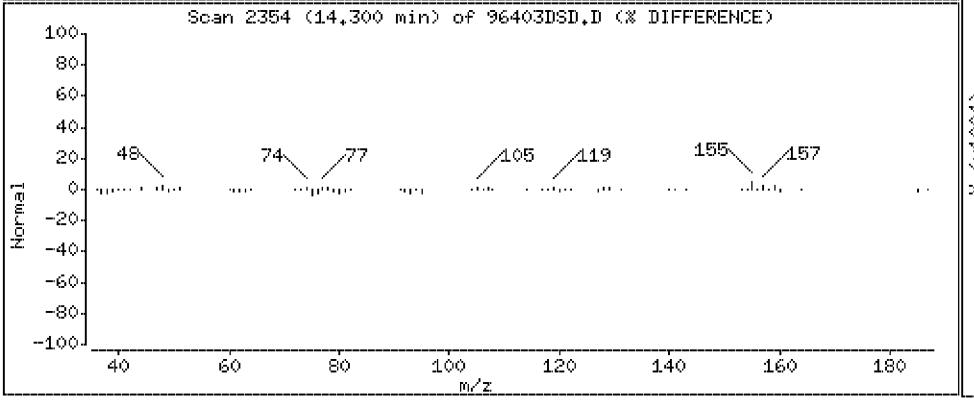
Column phase: DB-624 Column diameter: 0.18

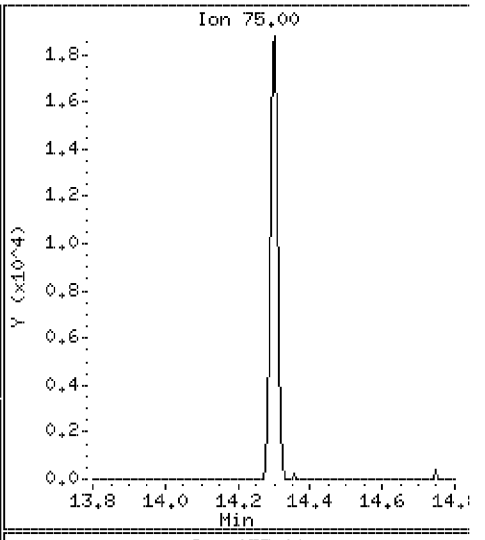
91 1,2-dibromo-3-chloropropane Concentration: 98.0 ug/l

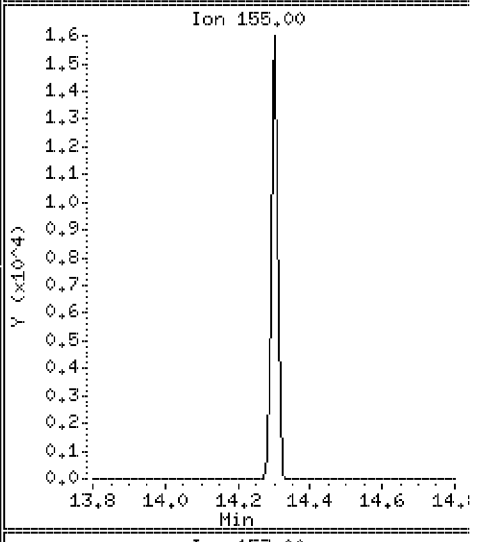


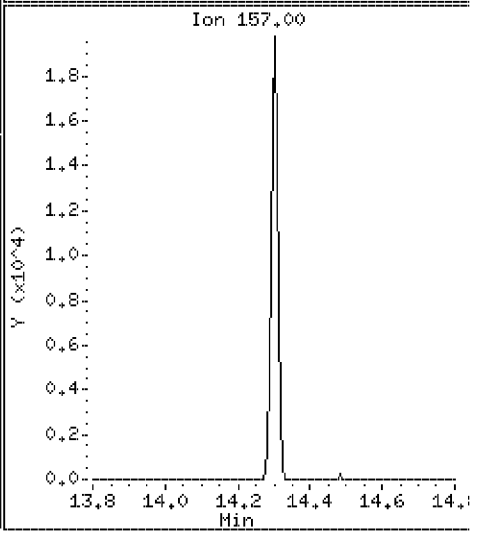












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

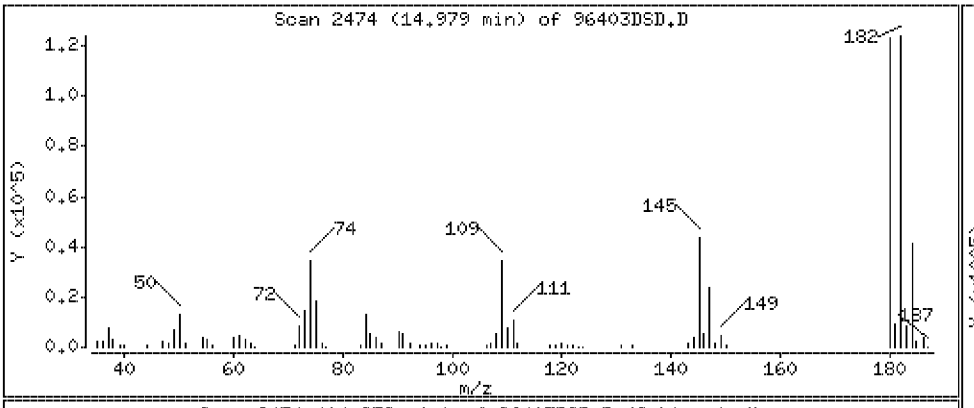
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

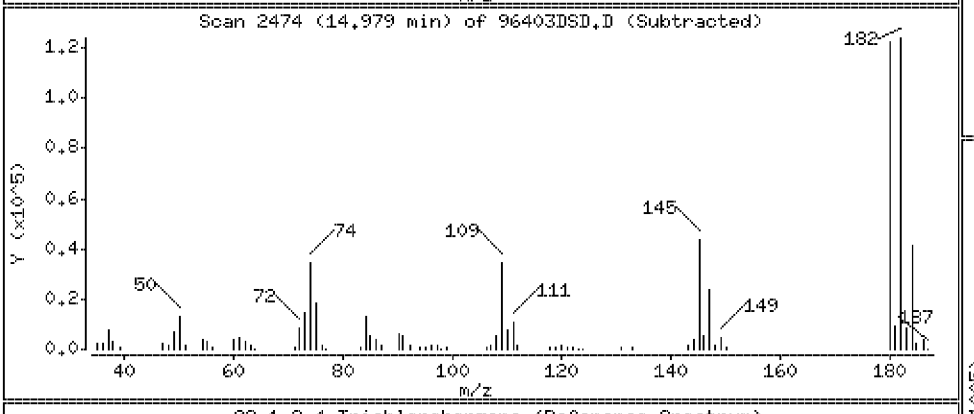
Sample Info: 250696403;2506964;5;

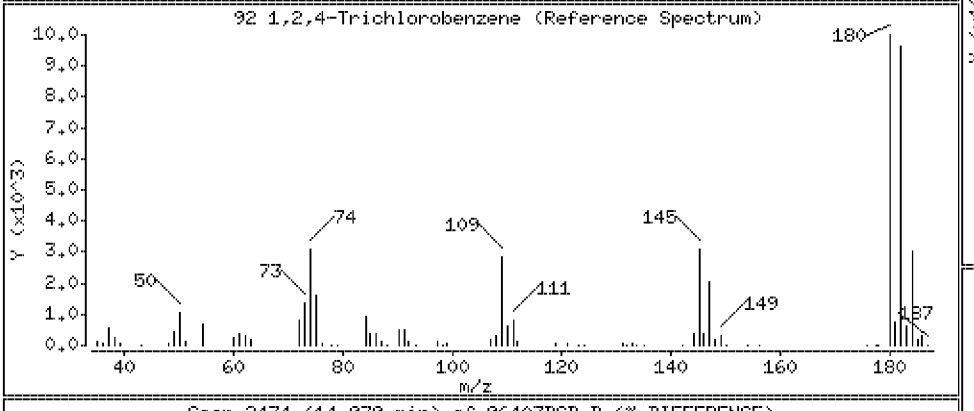
Purge Volume: 5.0 Operator:

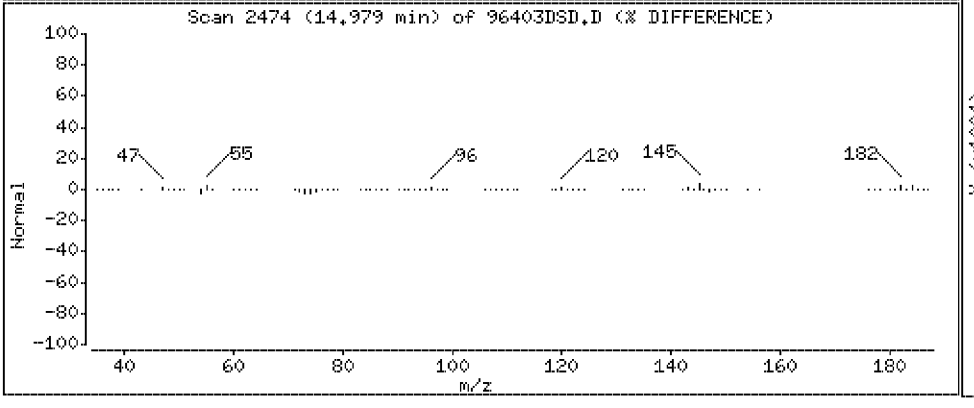
Column phase: DB-624 Column diameter: 0.18

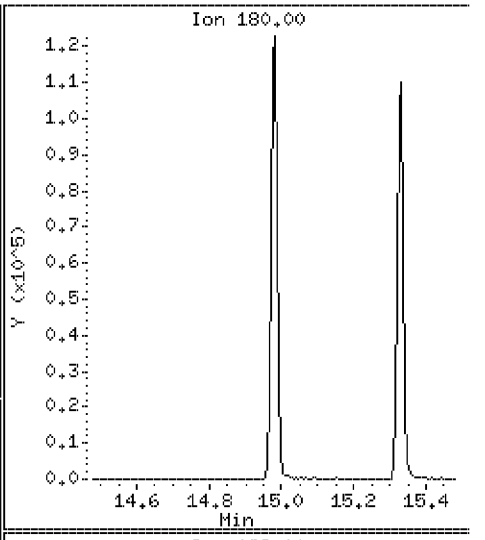
92 1,2,4-Trichlorobenzene Concentration: 98.4 ug/l

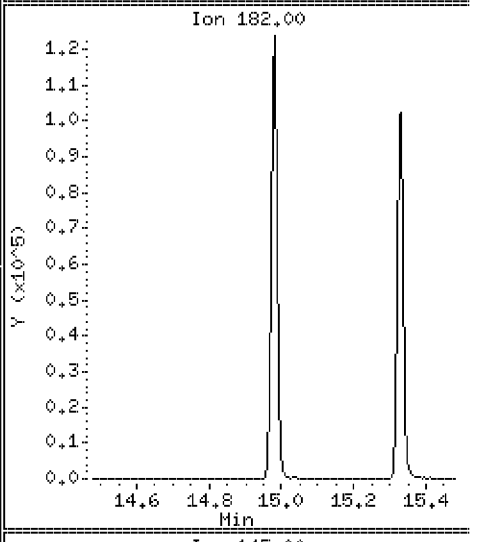


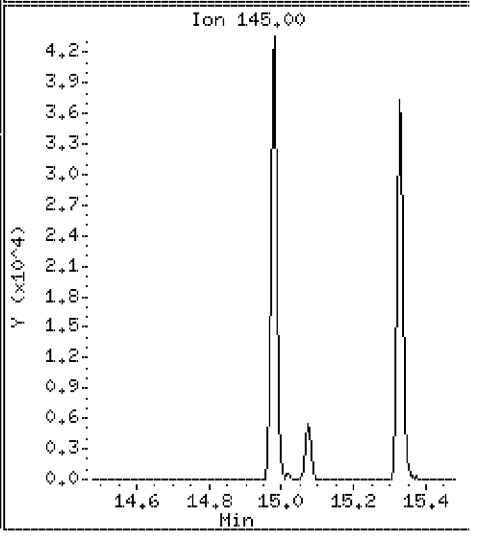












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

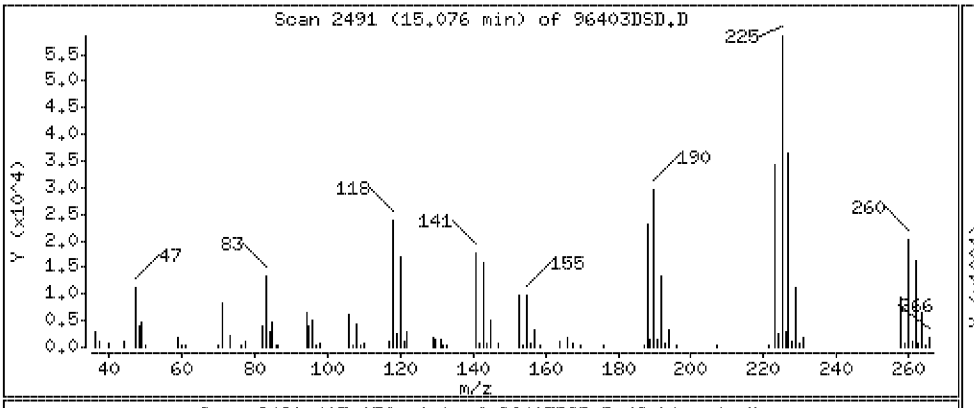
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

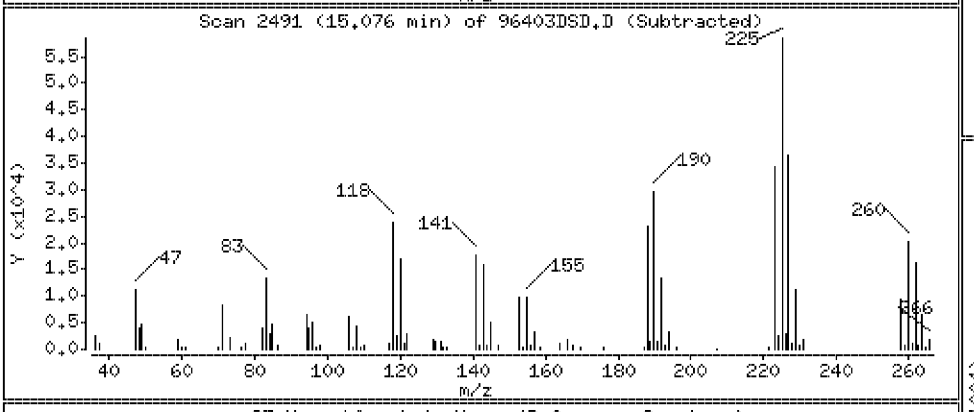
Sample Info: 250696403;2506964;5;

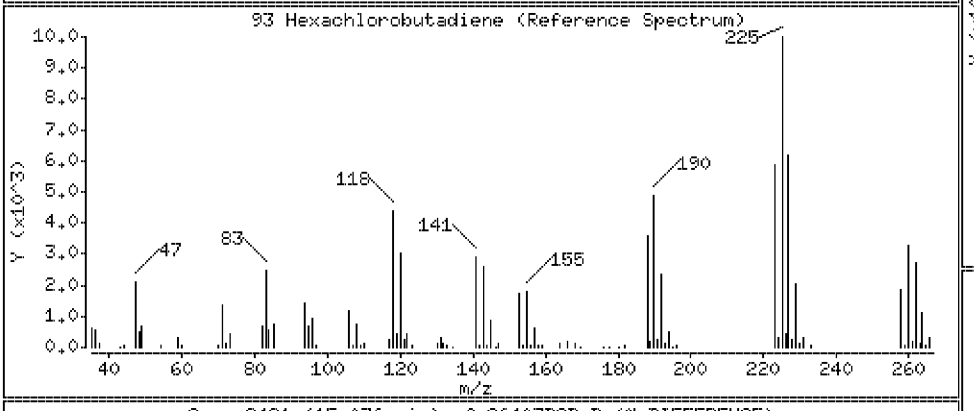
Purge Volume: 5.0 Operator:

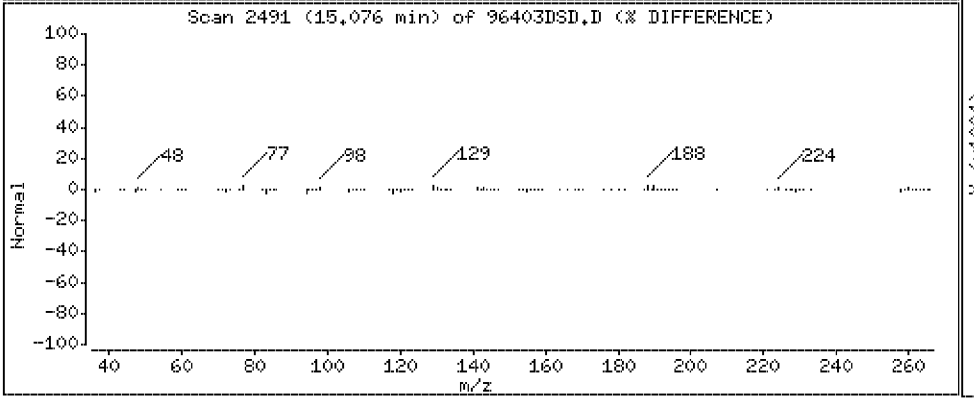
Column phase: DB-624 Column diameter: 0.18

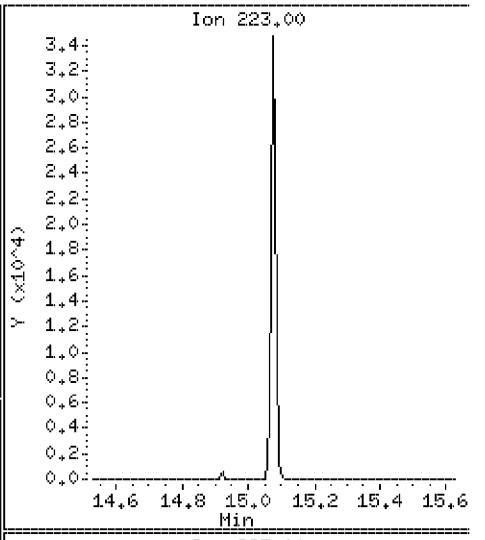
93 Hexachlorobutadiene Concentration: 101 ug/l

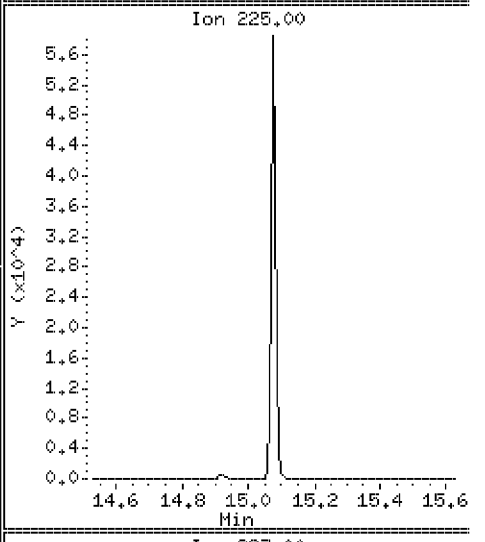


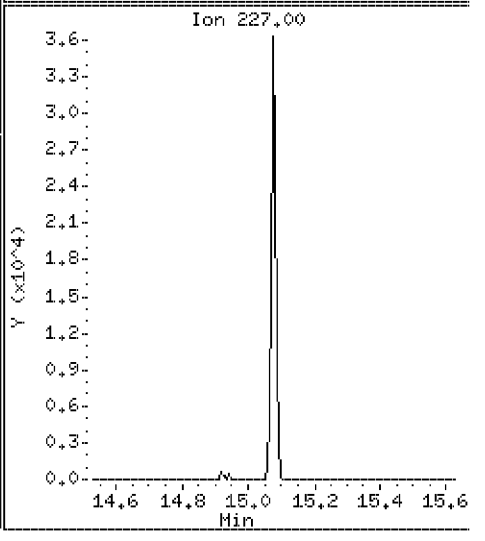












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

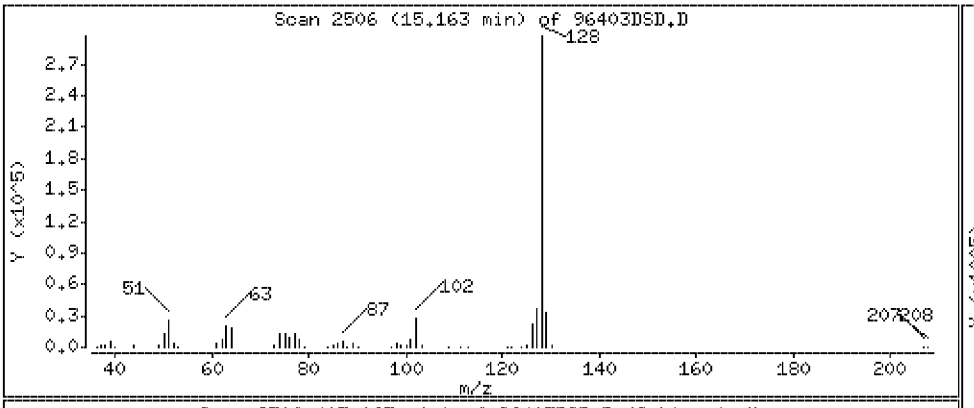
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

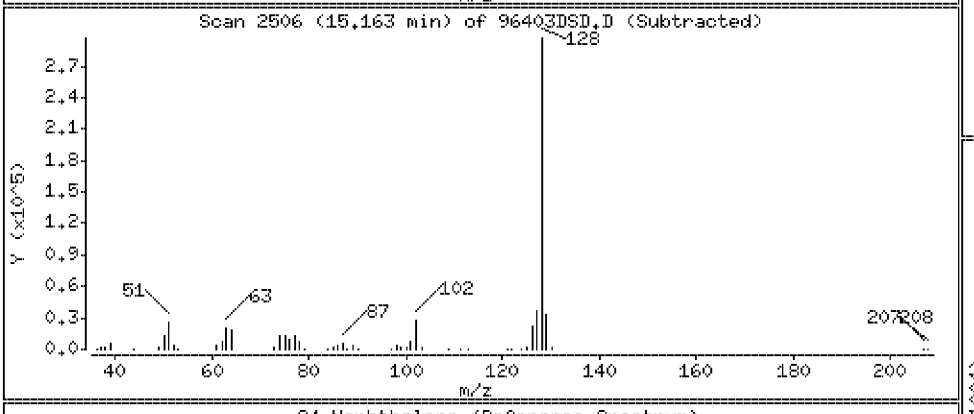
Sample Info: 250696403;2506964;5;

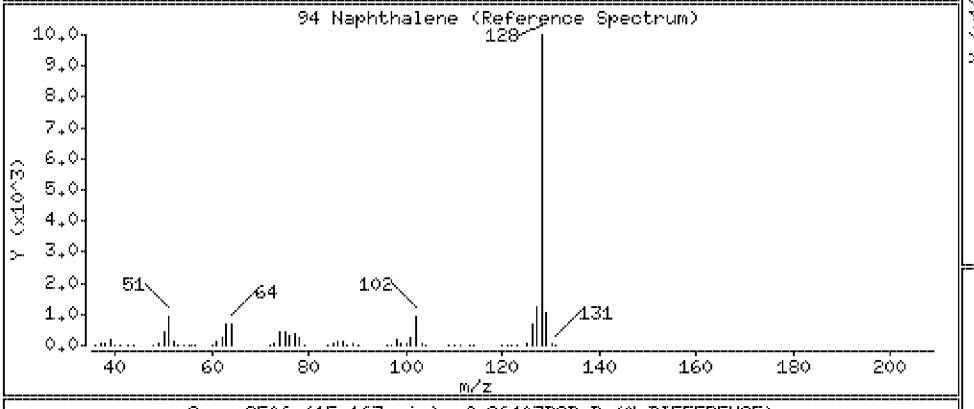
Purge Volume: 5.0 Operator:

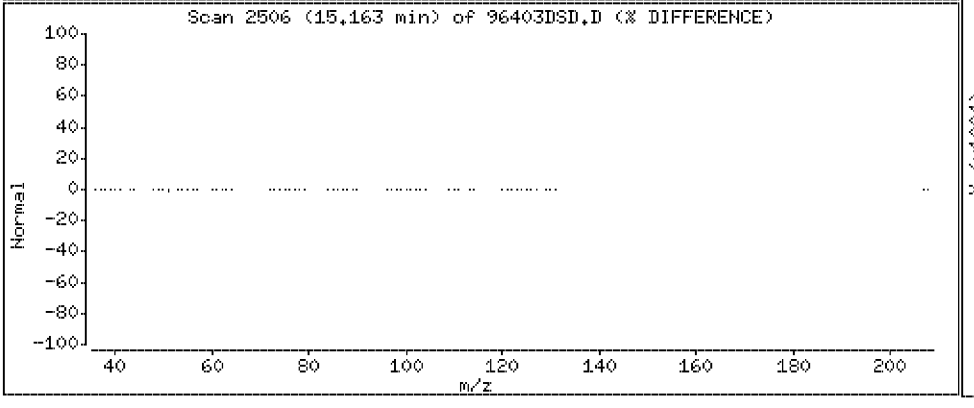
Column phase: DB-624 Column diameter: 0.18

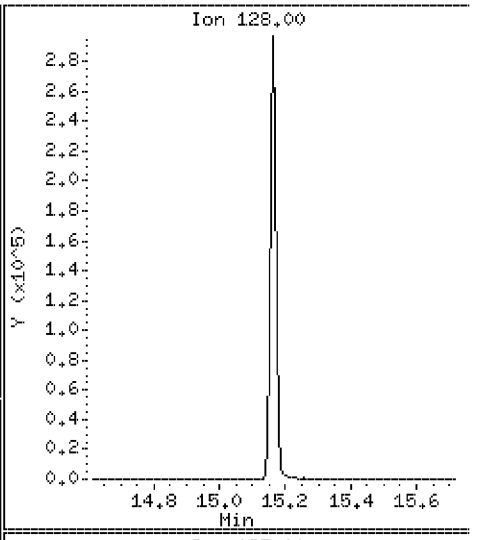
94 Naphthalene Concentration: 97.9 ug/l

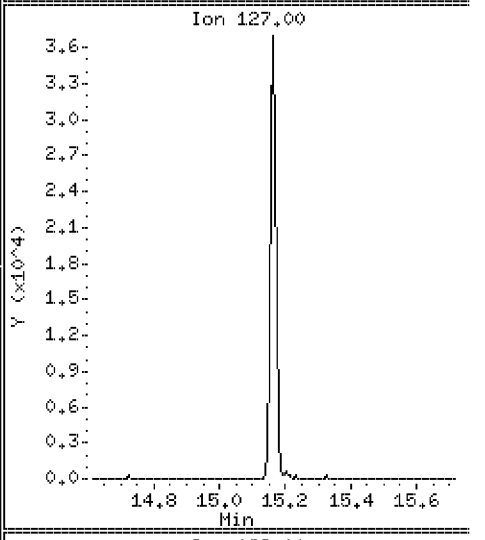


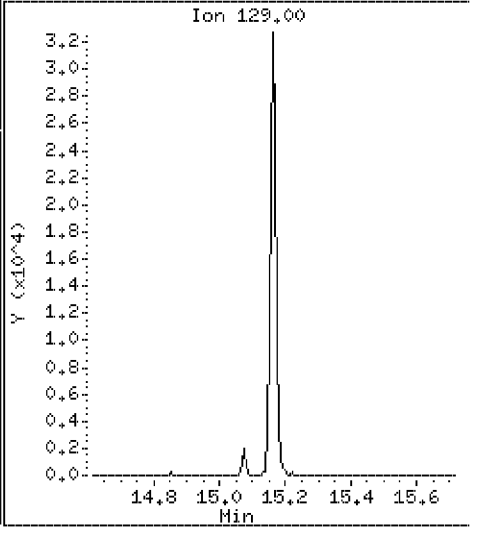












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

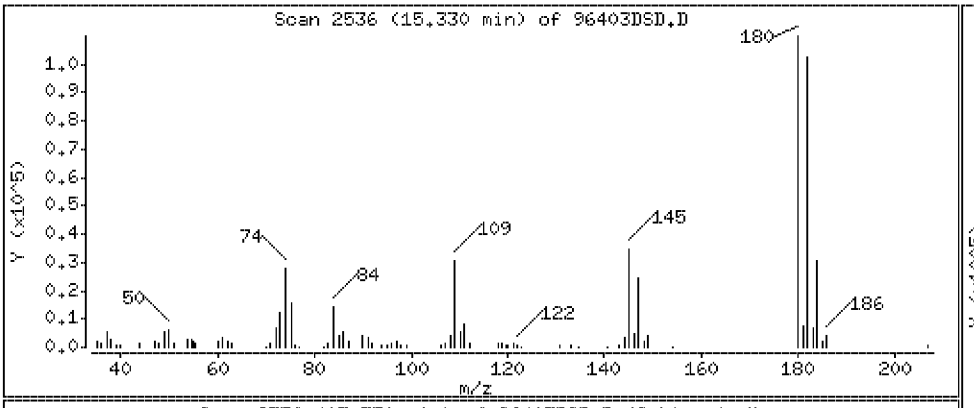
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

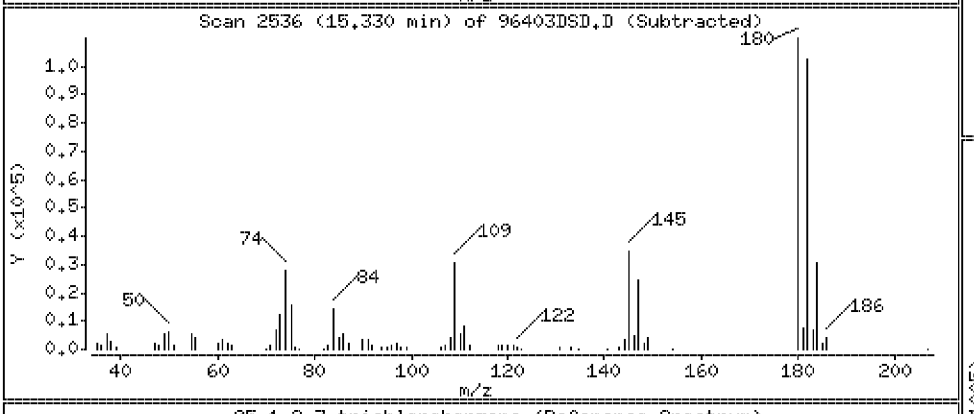
Sample Info: 250696403;2506964;5;

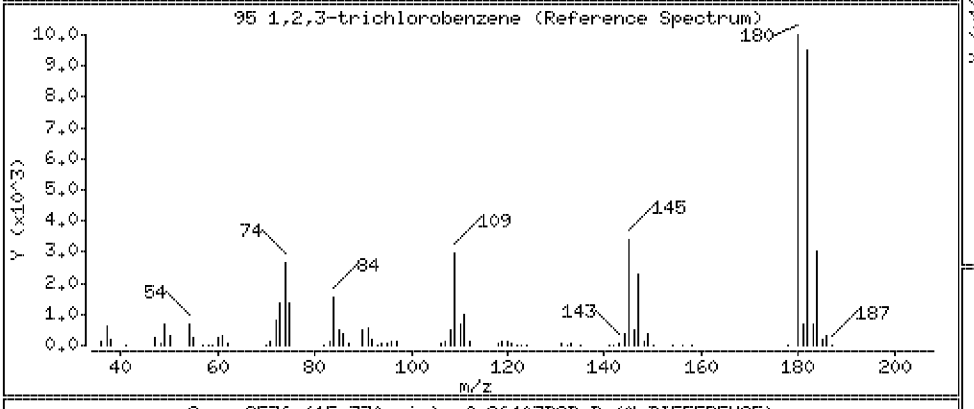
Purge Volume: 5.0 Operator:

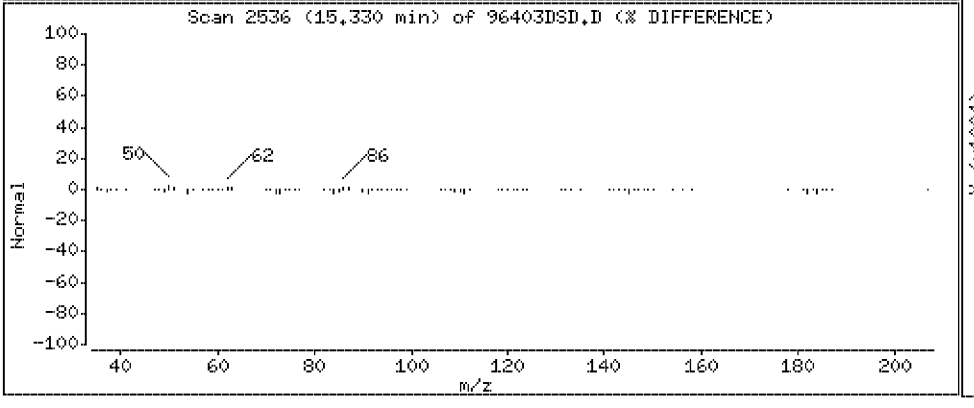
Column phase: DB-624 Column diameter: 0.18

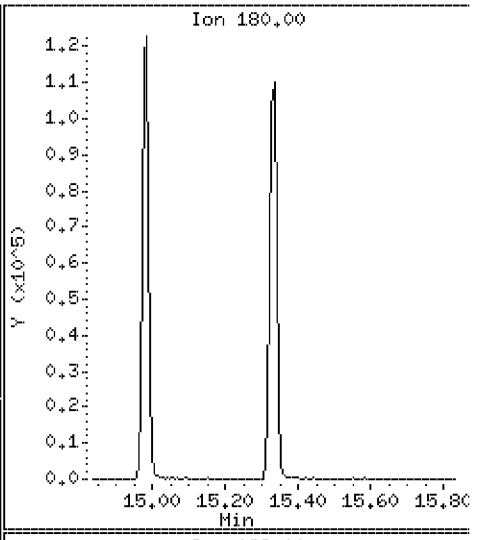
95 1,2,3-trichlorobenzene Concentration: 97.0 ug/l

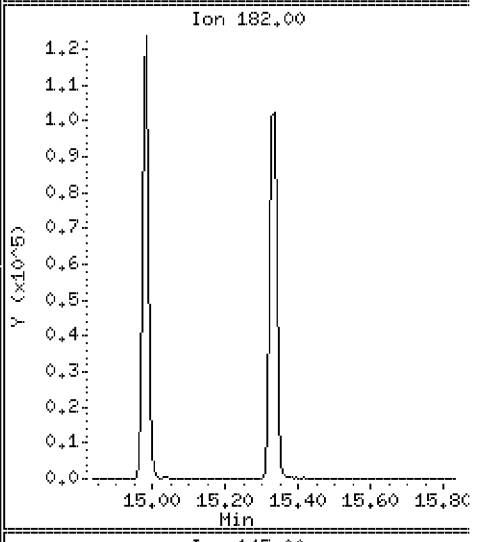


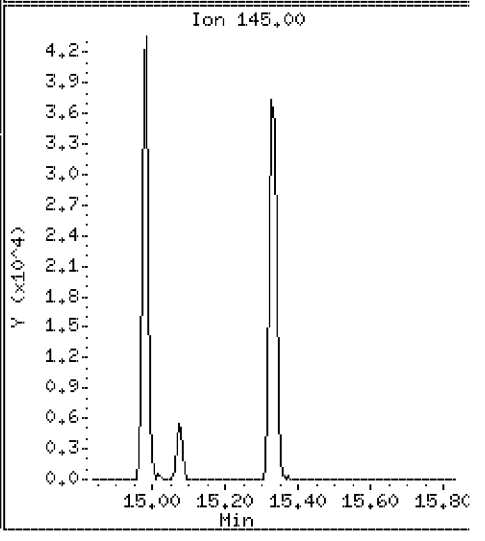












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

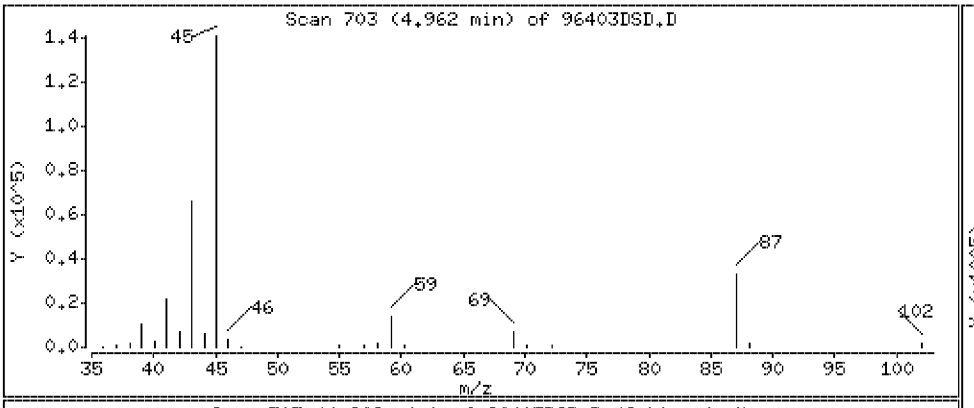
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

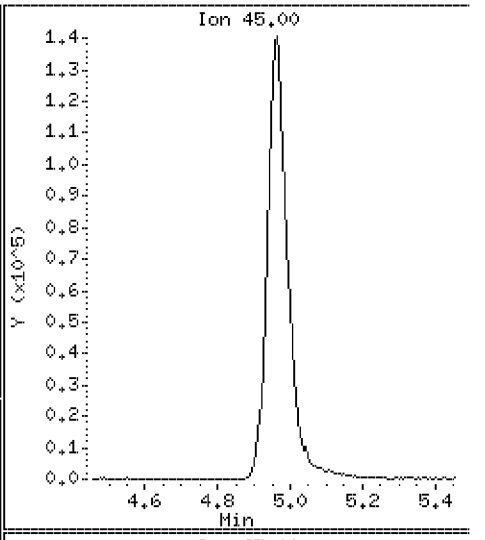
Sample Info: 250696403;2506964;5;

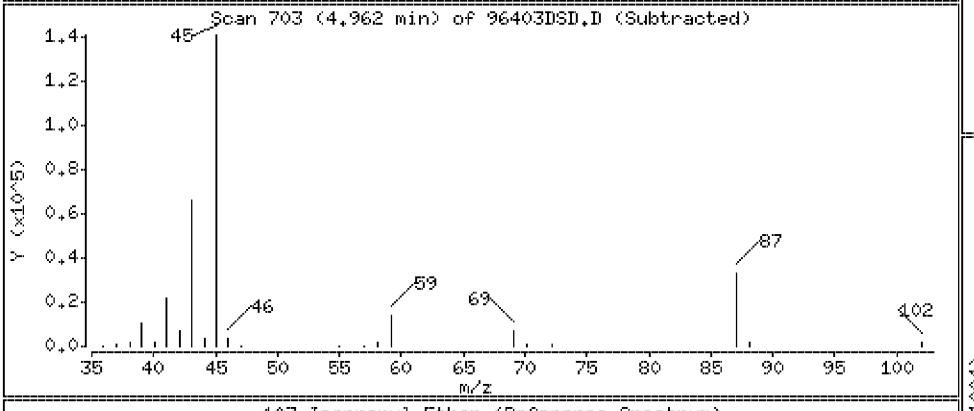
Purge Volume: 5.0 Operator:

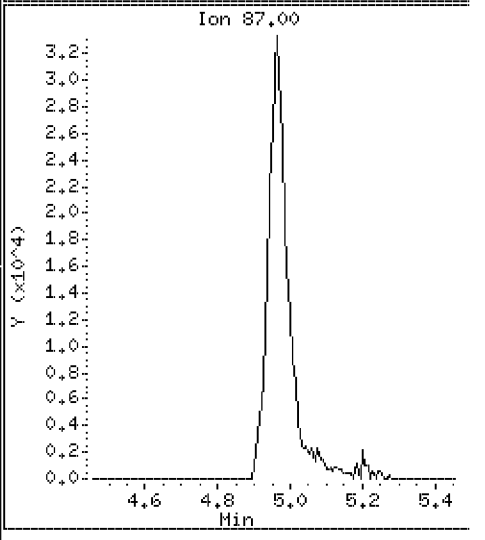
Column phase: DB-624 Column diameter: 0.18

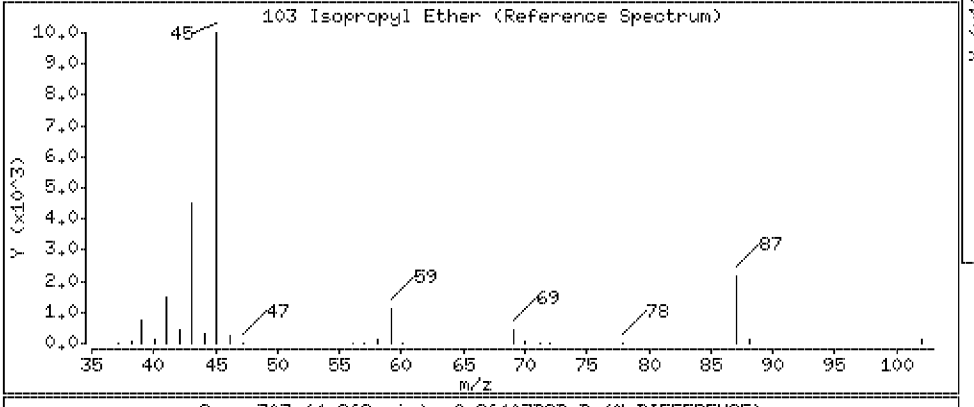
103 Isopropyl Ether Concentration: 101 ug/l

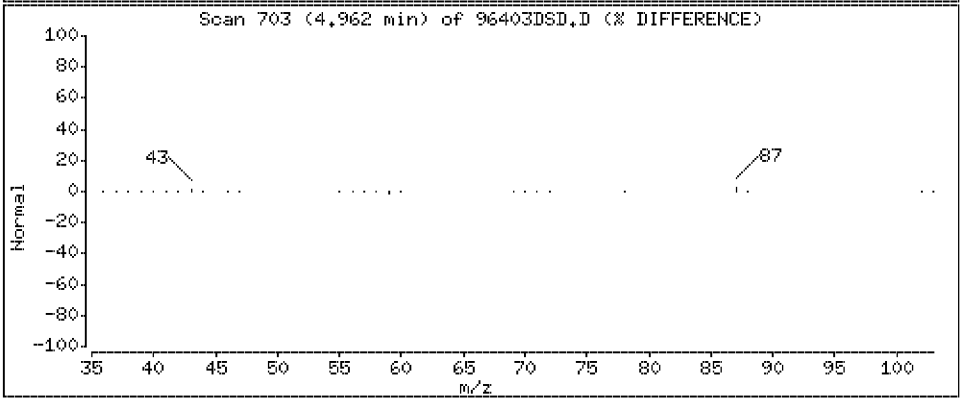












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

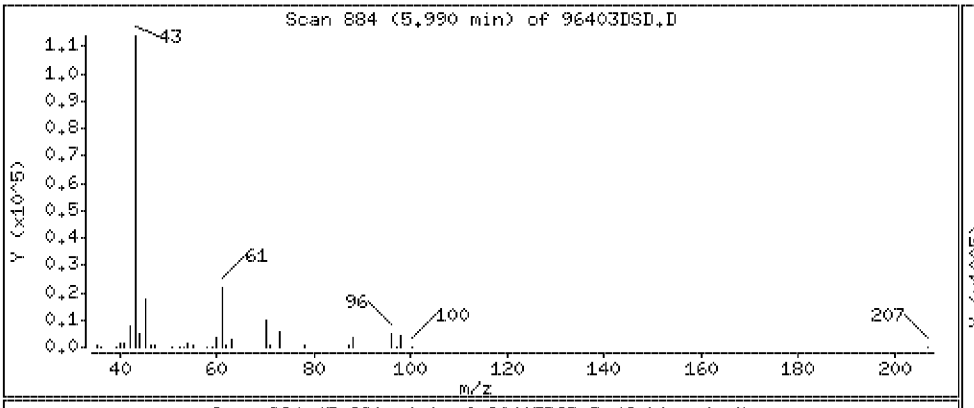
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

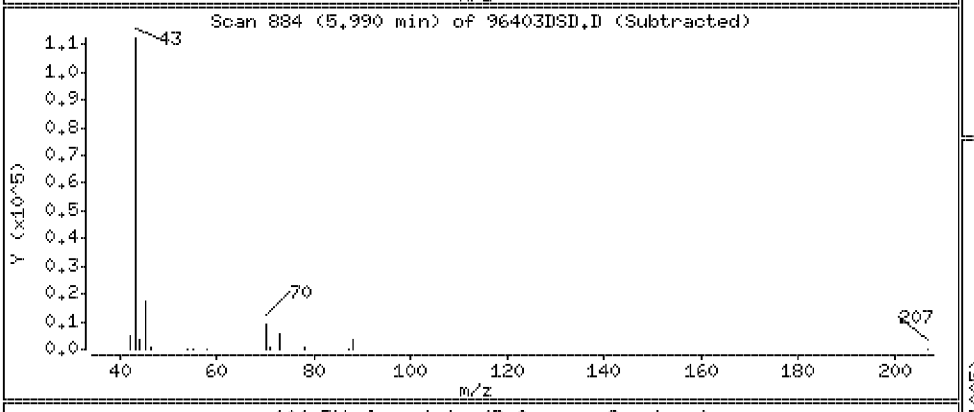
Sample Info: 250696403;2506964;5;

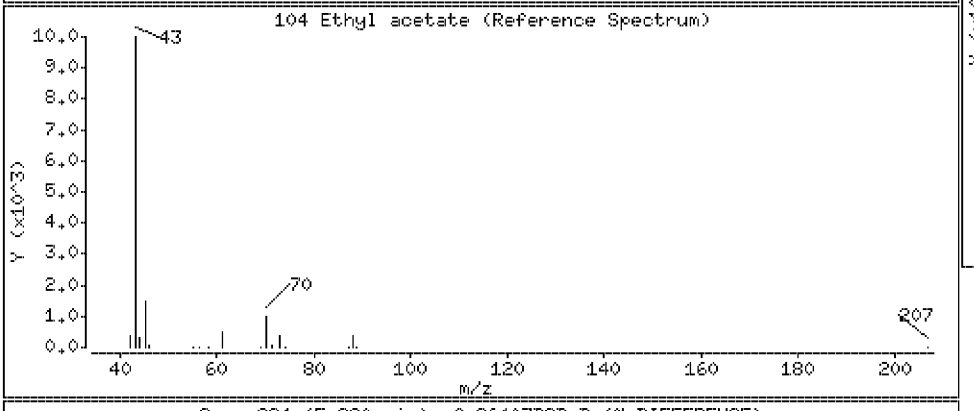
Purge Volume: 5.0 Operator:

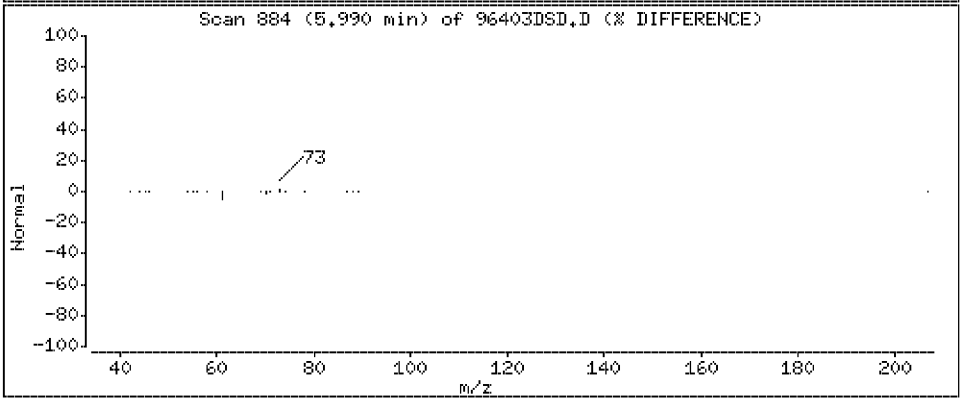
Column phase: DB-624 Column diameter: 0.18

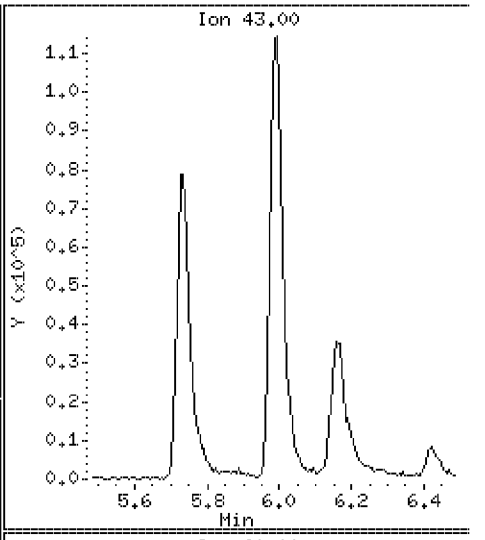
104 Ethyl acetate Concentration: 203 ug/l

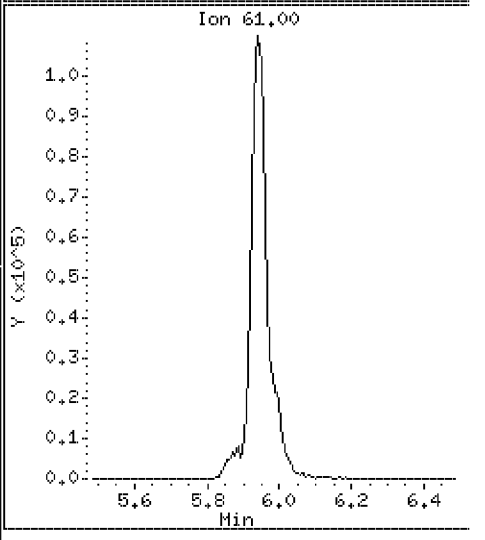












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

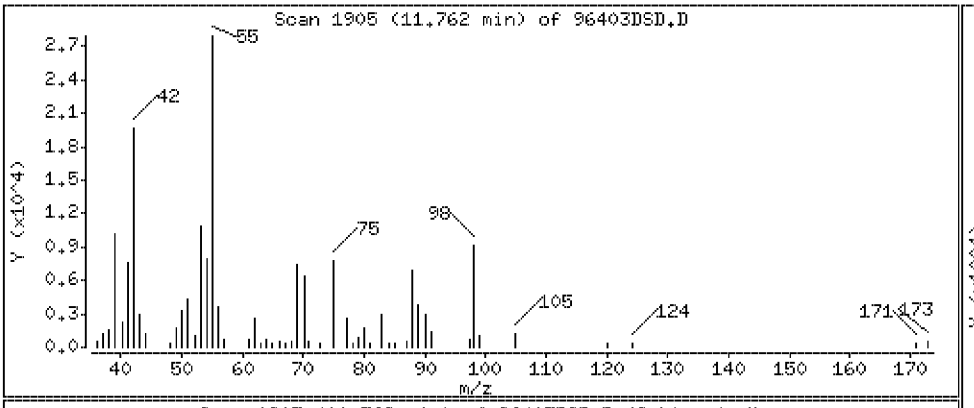
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

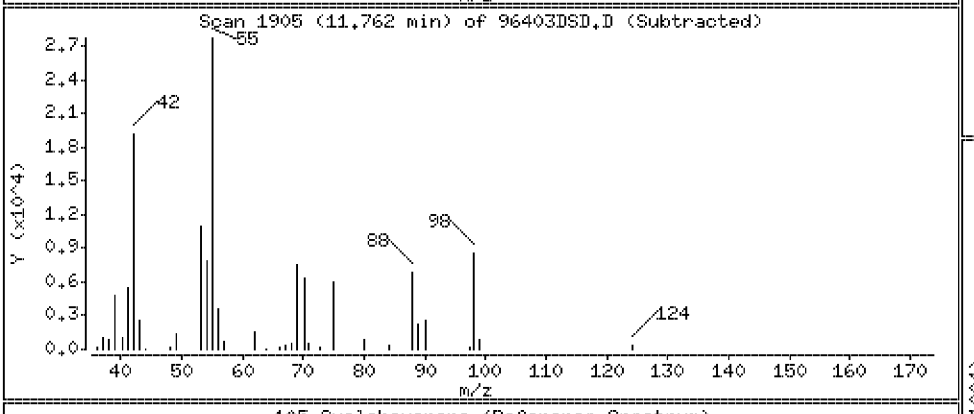
Sample Info: 250696403;2506964;5;

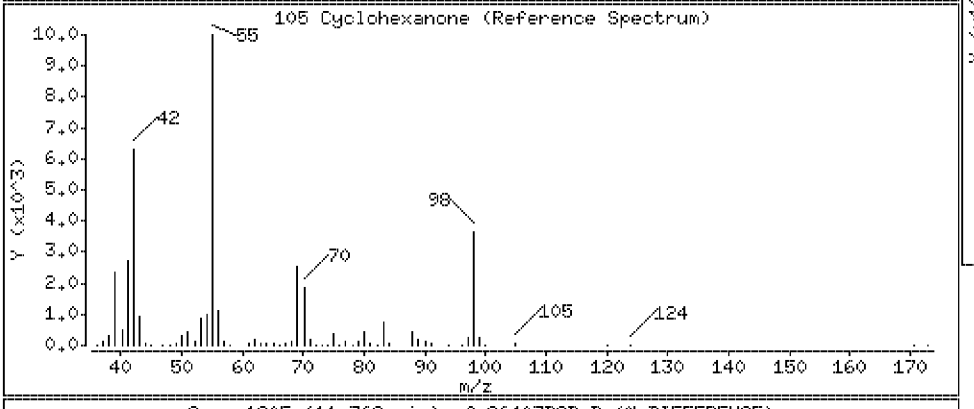
Purge Volume: 5.0 Operator:

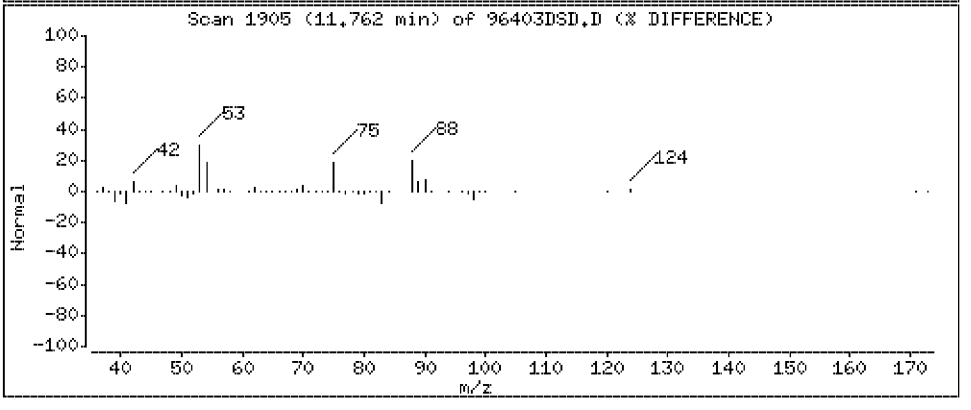
Column phase: DB-624 Column diameter: 0.18

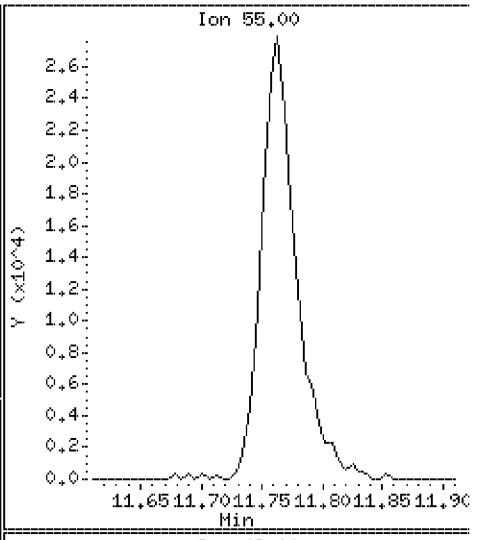
105 Cyclohexanone Concentration: 325 ug/l

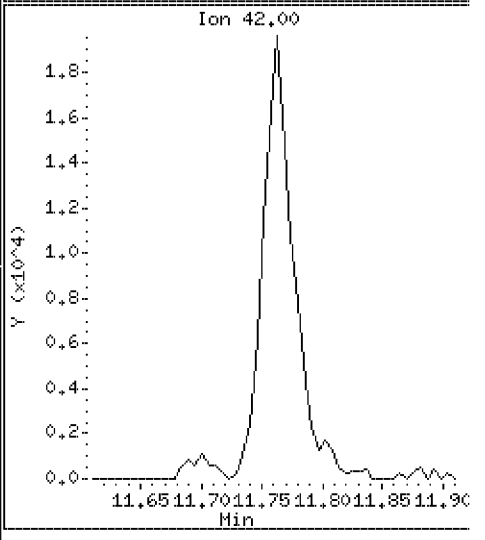












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

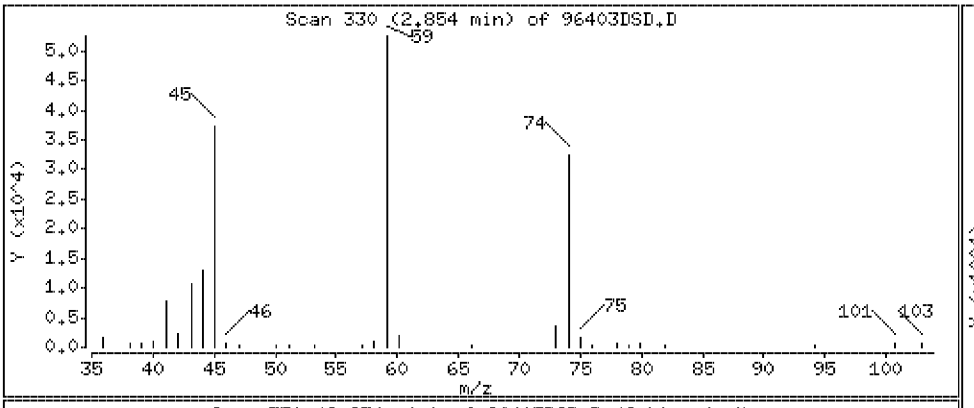
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

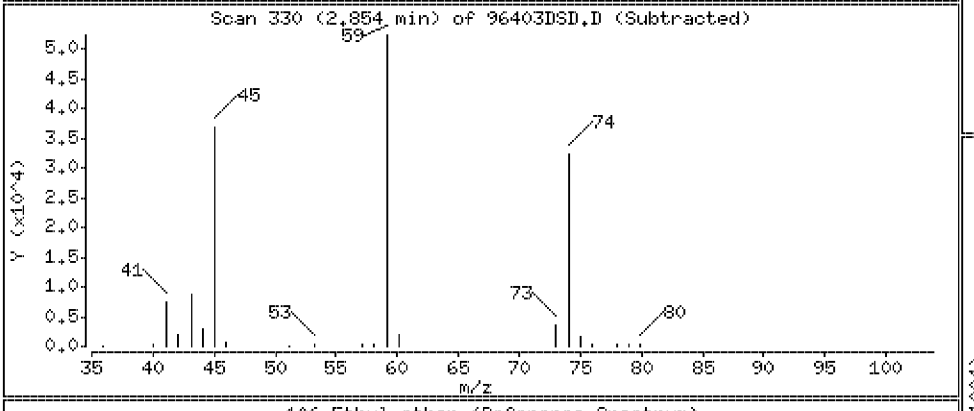
Sample Info: 250696403;2506964;5;

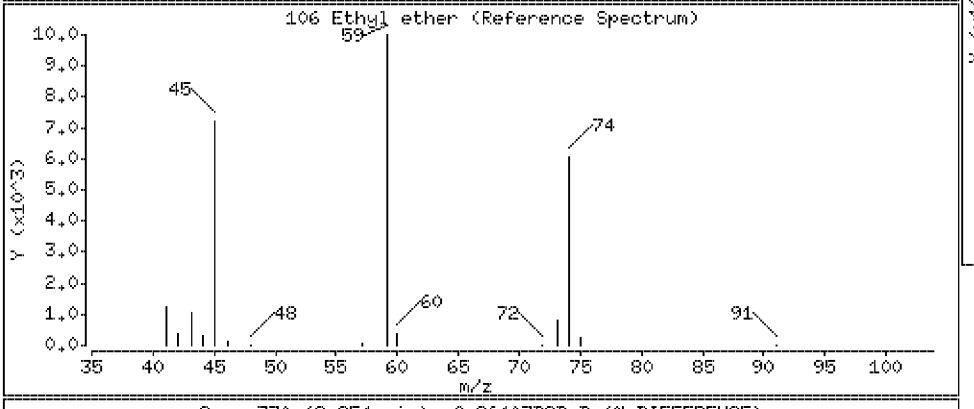
Purge Volume: 5.0 Operator:

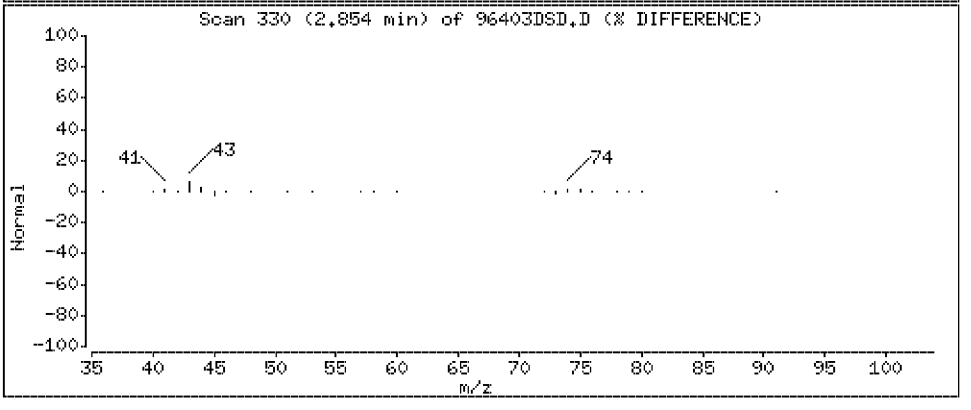
Column phase: DB-624 Column diameter: 0.18

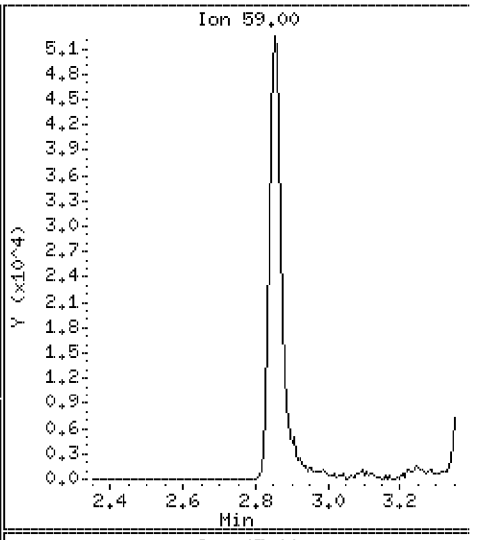
106 Ethyl ether Concentration: 104 ug/l

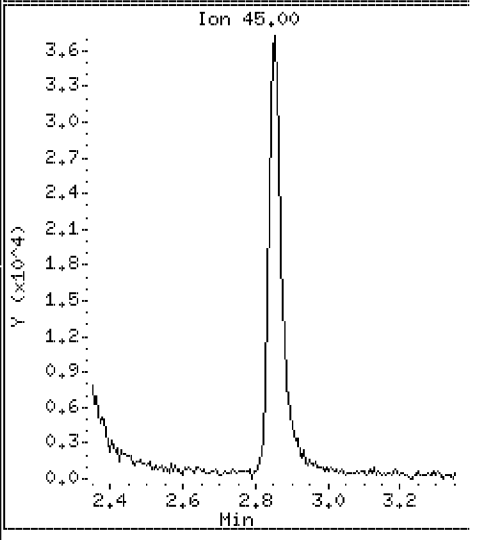












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

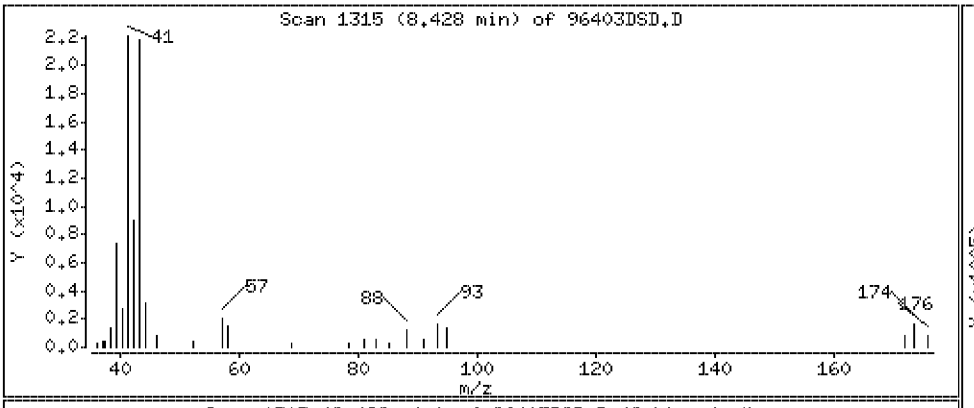
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

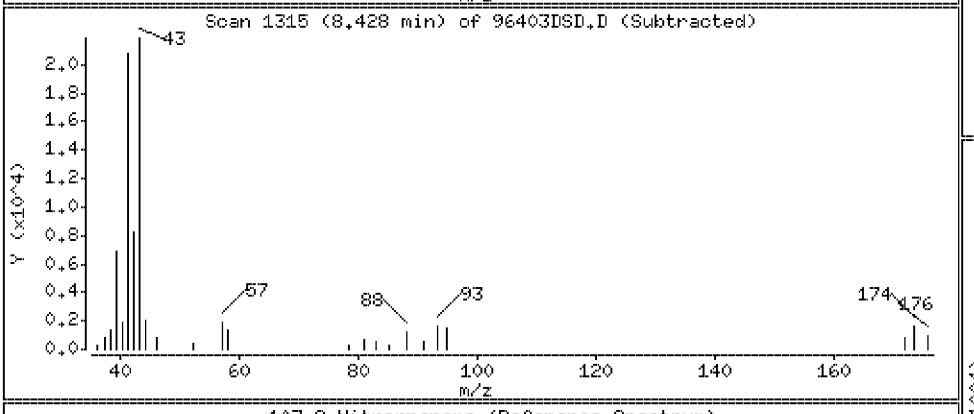
Sample Info: 250696403;2506964;5;

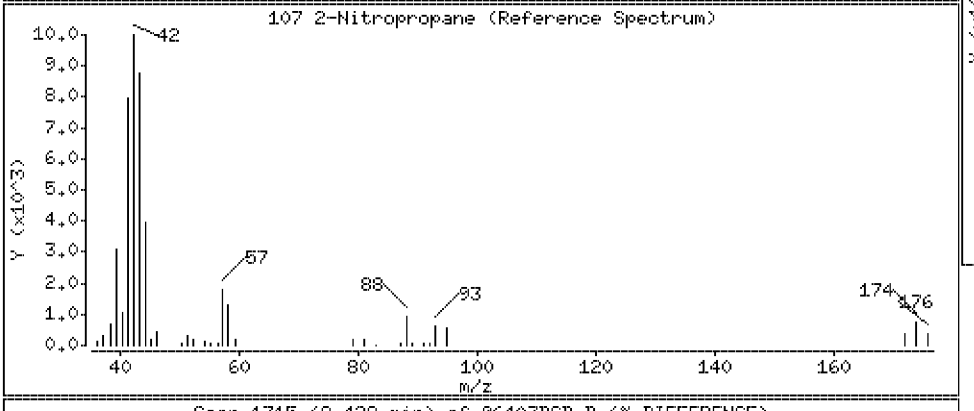
Purge Volume: 5.0 Operator:

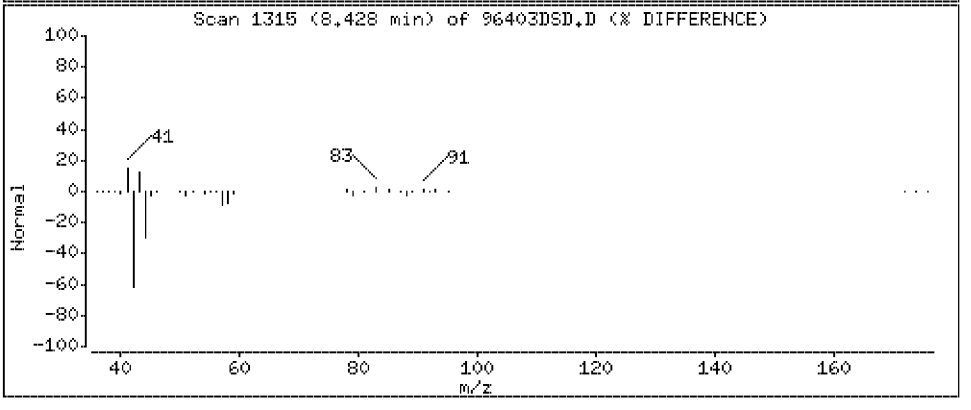
Column phase: DB-624 Column diameter: 0.18

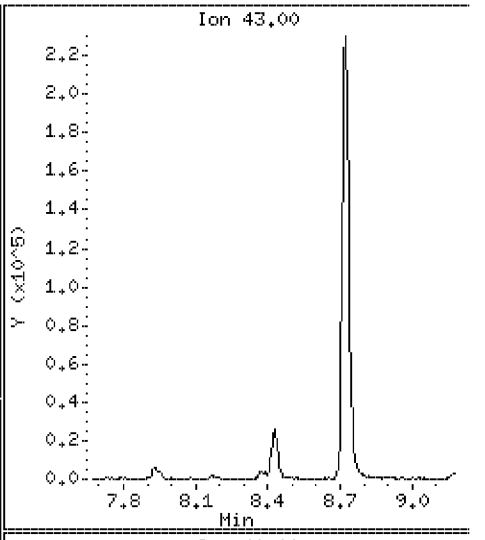
107 2-Nitropropane Concentration: 182 ug/l

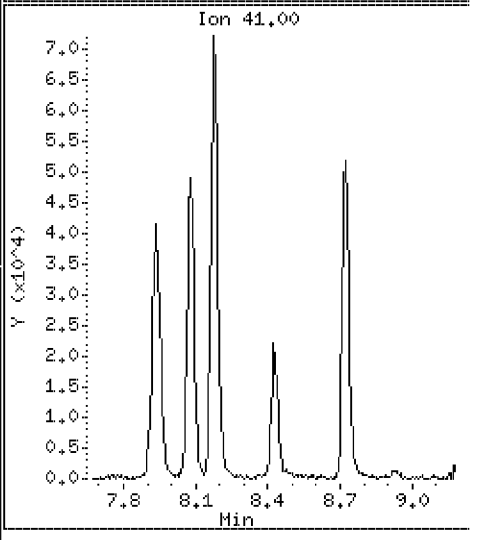












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96403DSD.D

Date : 15-JUN-2007 11:28

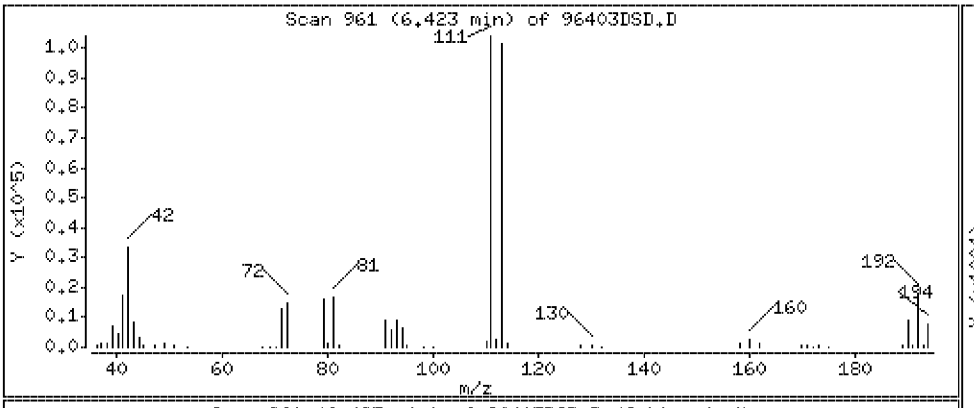
Client ID: TO0540AMSDBLDL1 Instrument: vms03.i

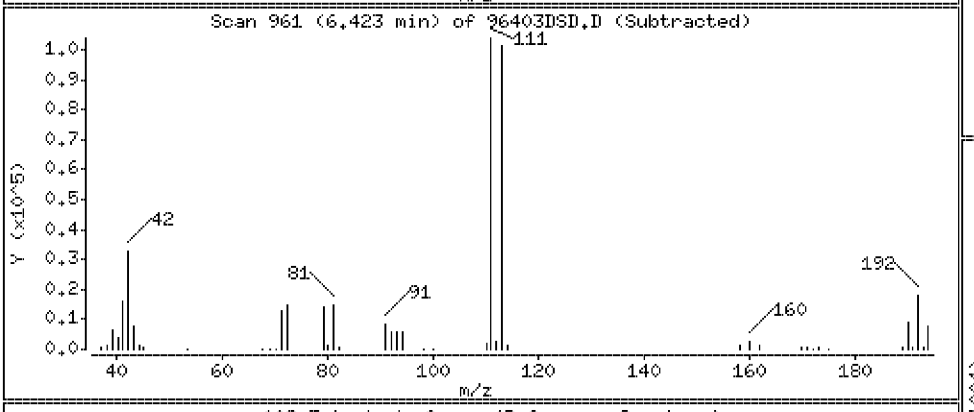
Sample Info: 250696403;2506964;5;

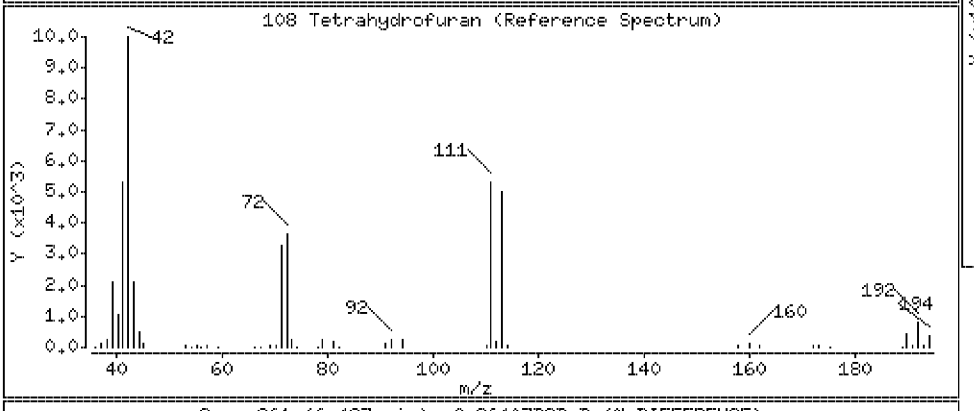
Purge Volume: 5.0 Operator:

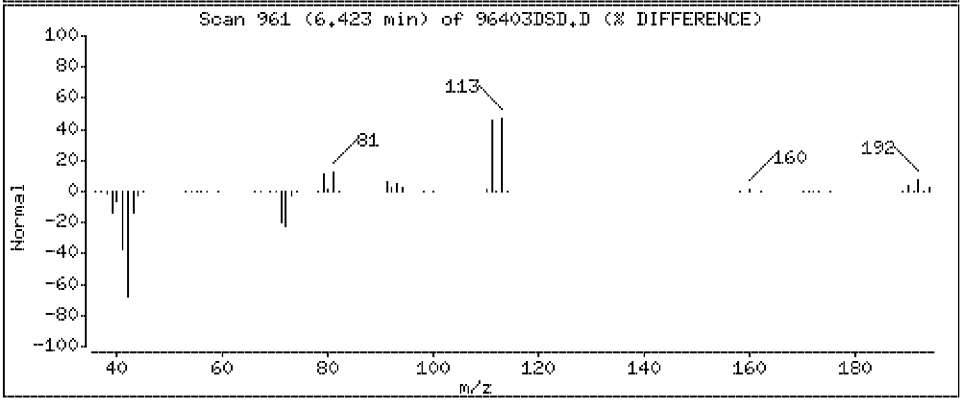
Column phase: DB-624 Column diameter: 0.18

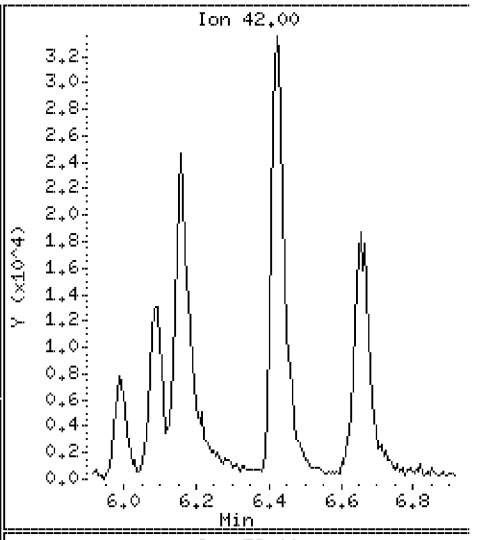
108 Tetrahydrofuran Concentration: 194 ug/l

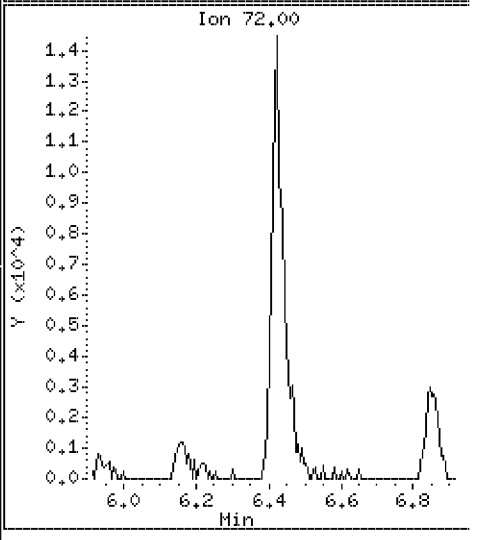












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M306150P.b\BLK32.D
Lab Smp Id: 061407BLKA32 Client Smp ID: 061407BLKA32
Inj Date : 15-JUN-2007 12:15
Operator : Inst ID: vms03.i
Smp Info : 061407BLKA32
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M306150P.b\8260A.m
Meth Date : 20-Jun-2007 10:26 lpelo Quant Type: ISTD
Cal Date : 15-JUN-2007 08:57 Cal File: 80PPB.D
Als bottle: 26 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.436	6.430	(0.866)	345595	50.4177	50.4
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	7.055	7.051	(0.949)	78769	51.1632	51.2
* 42 FLUOROBENZENE (IS)	96	7.431	7.427	(1.000)	1276437	50.0000	
$ 53 TOLUENE d8 (surr)	98	9.173	9.170	(1.234)	1336929	49.6712	49.7
* 63 CHLOROBENZENE d5 (IS)	117	10.727	10.724	(1.000)	941788	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.953	11.951	(0.909)	522675	50.3961	50.4
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.145	13.143	(1.000)	472756	50.0000	

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: BLK32.D
Lab Smp Id: 061407BLKA32
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M306150P.b\8260A.m
Misc Info:

Calibration Date: 15-JUN-2007
Calibration Time: 10:18
Client Smp ID: 061407BLKA32
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1288369	644185	2576738	1276437	-0.93
63 CHLOROBENZENE d5	921152	460576	1842304	941788	2.24
86 1,4-DICHLOROBENZE	508073	254037	1016146	472756	-6.95

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.06
63 CHLOROBENZENE d5	10.72	10.22	11.22	10.73	0.03
86 1,4-DICHLOROBENZE	13.14	12.64	13.64	13.15	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\BLK32.D

Date : 15-JUN-2007 12:15

Client ID: 061407BLKA32

Instrument: vms03.i

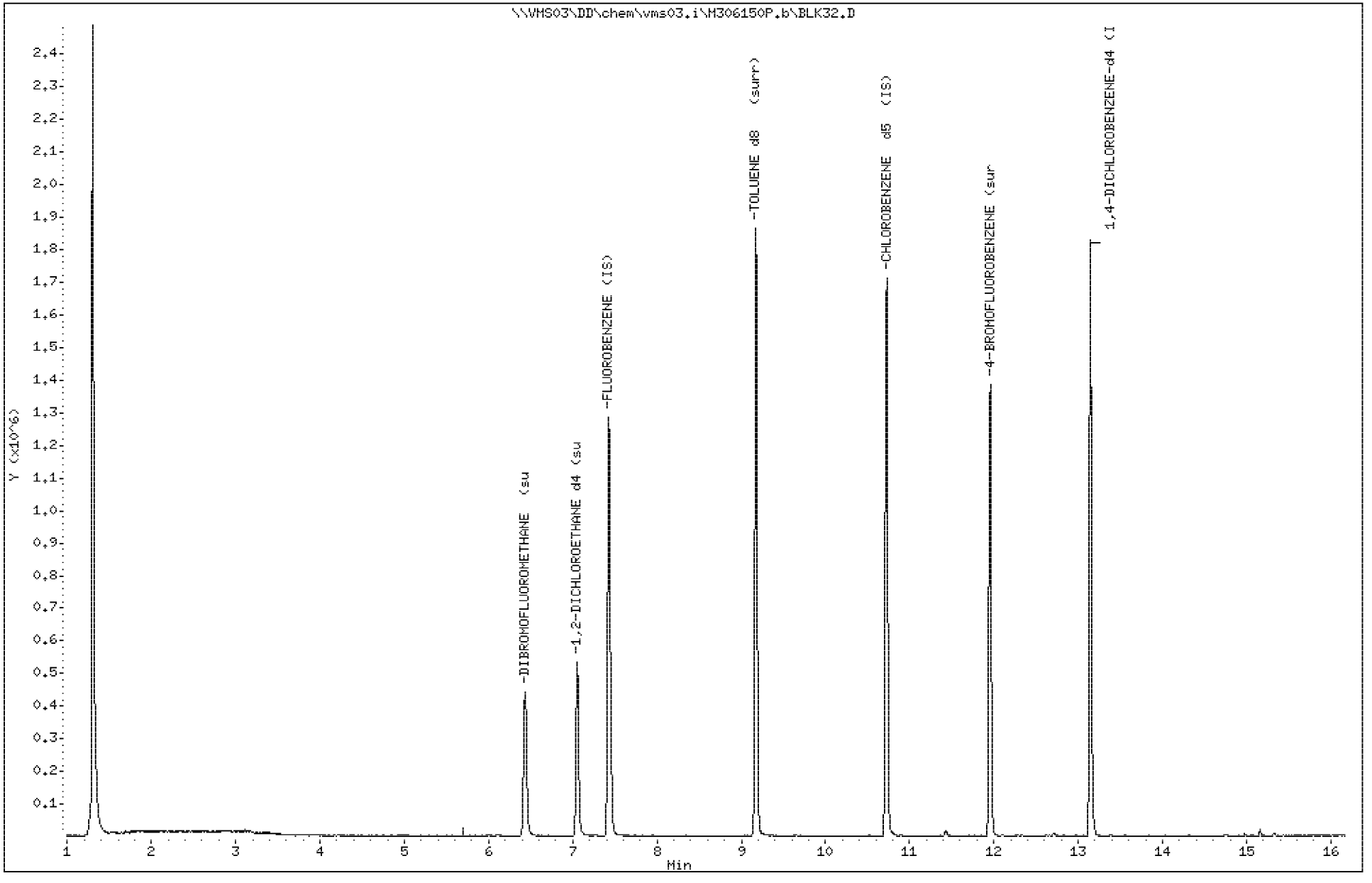
Sample Info: 061407BLKA32

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M306150P.b\96401.D
Lab Smp Id: 250696401 Client Smp ID: TO05MW40ABL
Inj Date : 15-JUN-2007 16:33
Operator : Inst ID: vms03.i
Smp Info : 250696401;2506964;1;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M306150P.b\8260A.m
Meth Date : 20-Jun-2007 10:26 lpelo Quant Type: ISTD
Cal Date : 15-JUN-2007 08:57 Cal File: 80PPB.D
Als bottle: 34
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				204905	27.5865	27.6
6 Vinyl Chloride	62	1.766	1.758	(0.238)	39976	6.08395	6.1
22 trans 1,2-Dichloroethene	61	4.409	4.402	(0.593)	7806	0.71347	0.71(a)
29 cis-1,2-Dichloroethene	96	5.944	5.937	(0.800)	197099	26.8730	26.9(q)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.436	6.430	(0.866)	335362	50.9634	51.0
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	7.055	7.051	(0.949)	76505	51.7633	51.8
41 Benzene	78	7.170	7.163	(0.965)	17295	0.61833	0.62(a)
* 42 FLUOROBENZENE (IS)	96	7.432	7.427	(1.000)	1225377	50.0000	
43 Trichloroethylene	130	7.880	7.875	(1.060)	1037733	147.072	147(A)
$ 53 TOLUENE d8 (surr)	98	9.173	9.170	(1.234)	1290646	49.9498	49.9
59 Tetrachloroethylene	164	9.926	9.926	(0.925)	29424	5.13413	5.1
* 63 CHLOROBENZENE d5 (IS)	117	10.727	10.724	(1.000)	910069	50.0000	
64 Chlorobenzene	112	10.766	10.763	(1.004)	97779	4.65978	4.6
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.954	11.951	(0.909)	497687	51.5041	51.5
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.145	13.143	(1.000)	440471	50.0000	

QC Flag Legend

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

QC Flag Legend

q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 96401.D
Lab Smp Id: 250696401
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M306150P.b\8260A.m
Misc Info:

Calibration Date: 15-JUN-2007
Calibration Time: 10:18
Client Smp ID: TO05MW40ABL
Level: LOW
Sample Type: WATER

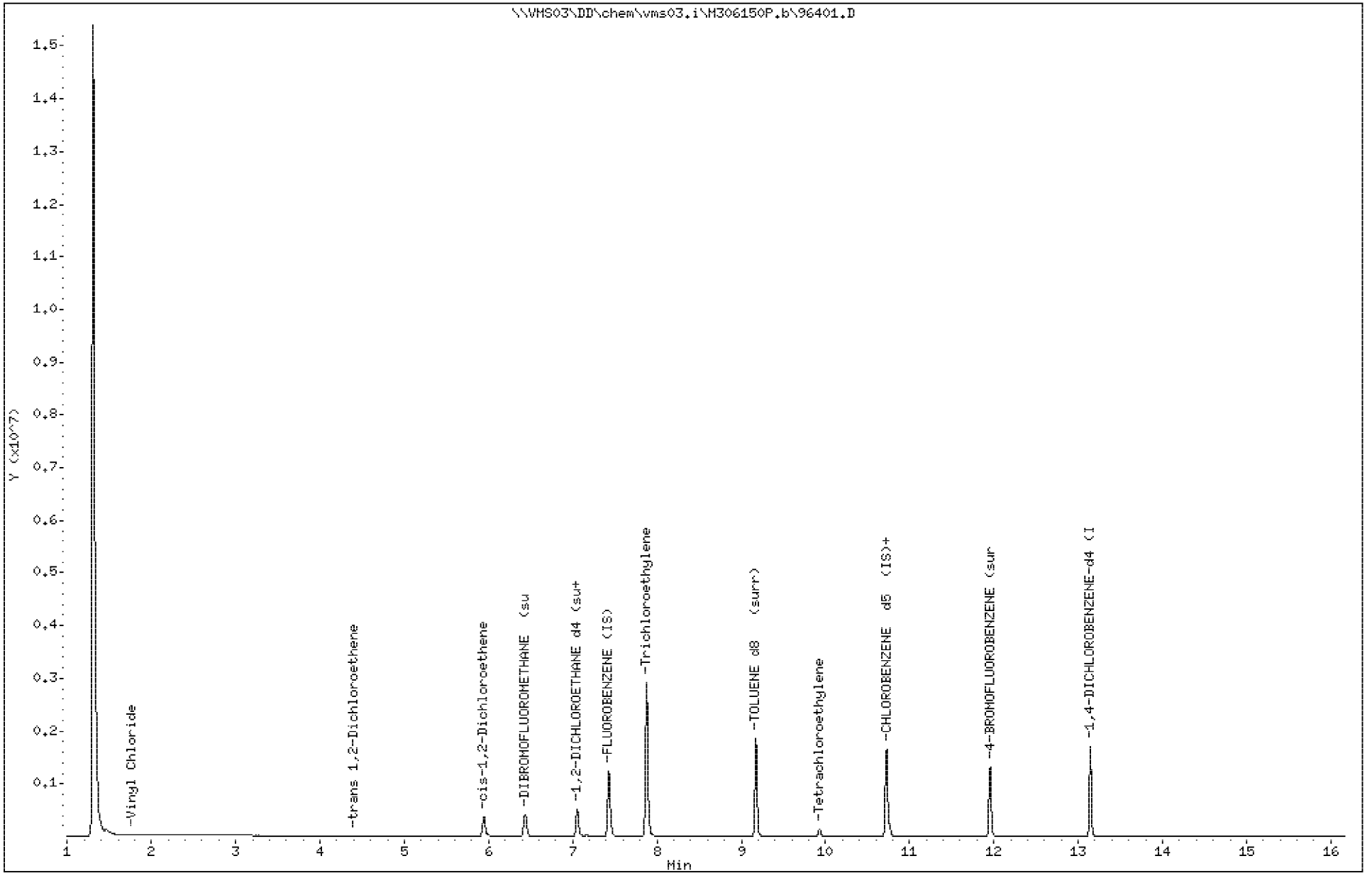
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1288369	644185	2576738	1225377	-4.89
63 CHLOROBENZENE d5	921152	460576	1842304	910069	-1.20
86 1,4-DICHLOROBENZE	508073	254037	1016146	440471	-13.31

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.06
63 CHLOROBENZENE d5	10.72	10.22	11.22	10.73	0.02
86 1,4-DICHLOROBENZE	13.14	12.64	13.64	13.15	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96401.D
Date : 15-JUN-2007 16:33
Client ID: T005MW40ABL
Sample Info: 250696401;2506964;1;
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



AO-371

2506964

Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96401.D

Date : 15-JUN-2007 16:33

Client ID: TO05MW40ABL

Instrument: vms03.i

Sample Info: 250696401;2506964;1;

Purge Volume: 5.0

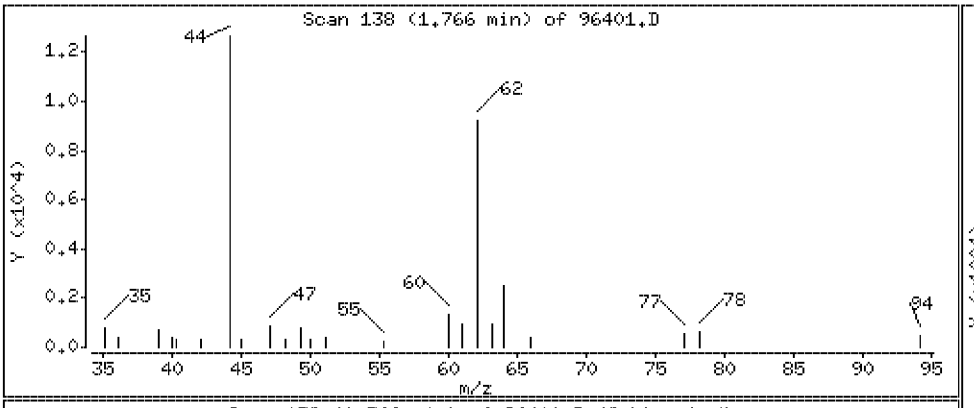
Operator:

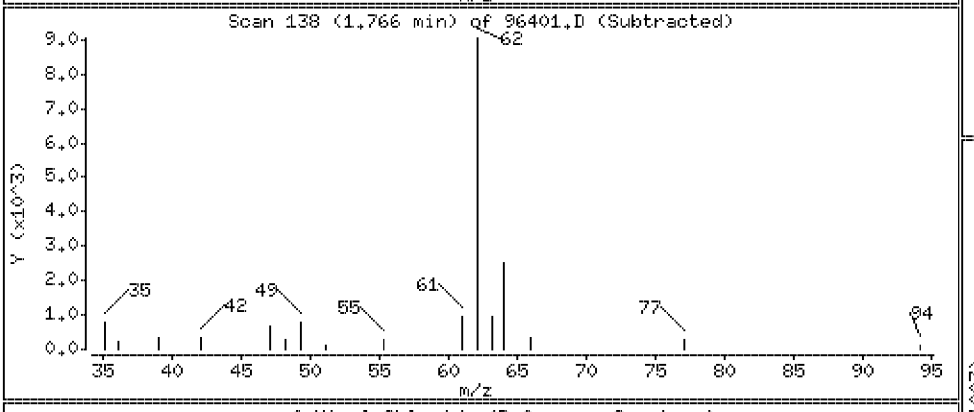
Column phase: DB-624

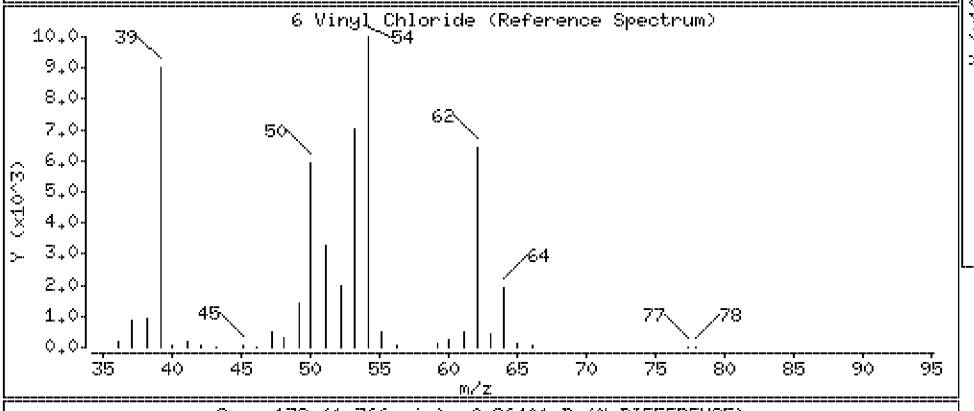
Column diameter: 0.18

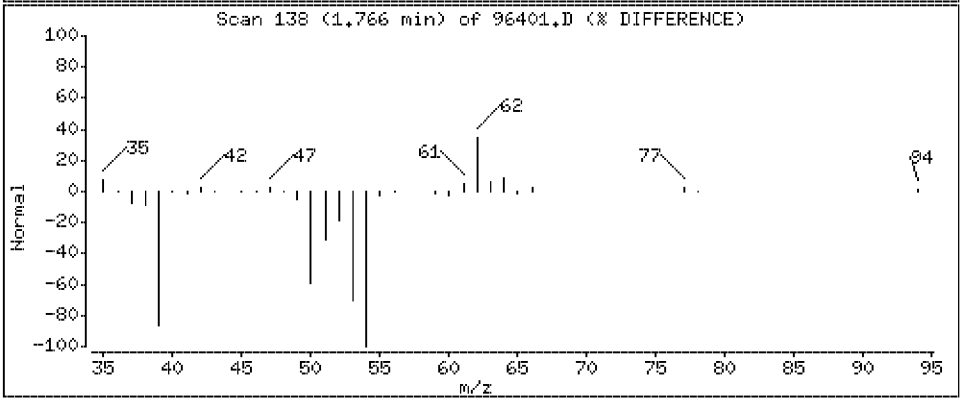
6 Vinyl Chloride

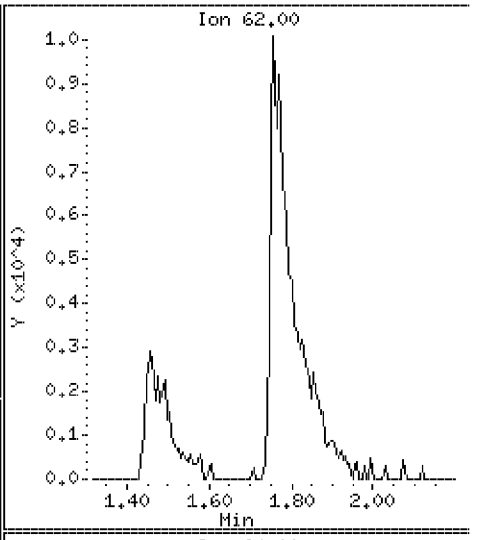
Concentration: 6.1 ug/l

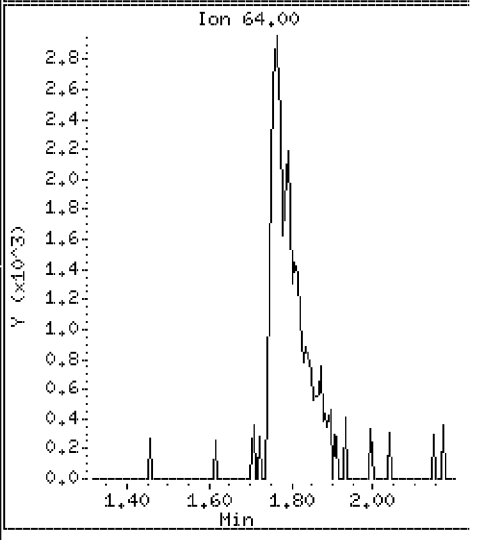












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96401.D

Date : 15-JUN-2007 16:33

Client ID: TO05MW40ABL

Instrument: vms03.i

Sample Info: 250696401;2506964;1;

Purge Volume: 5.0

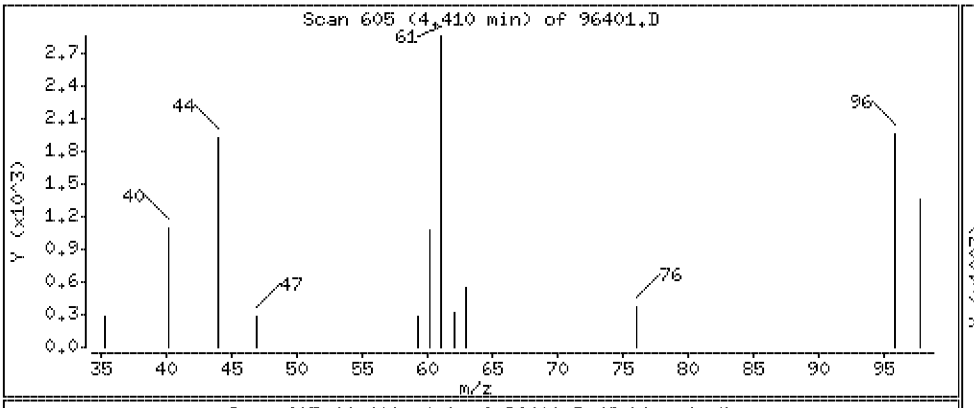
Operator:

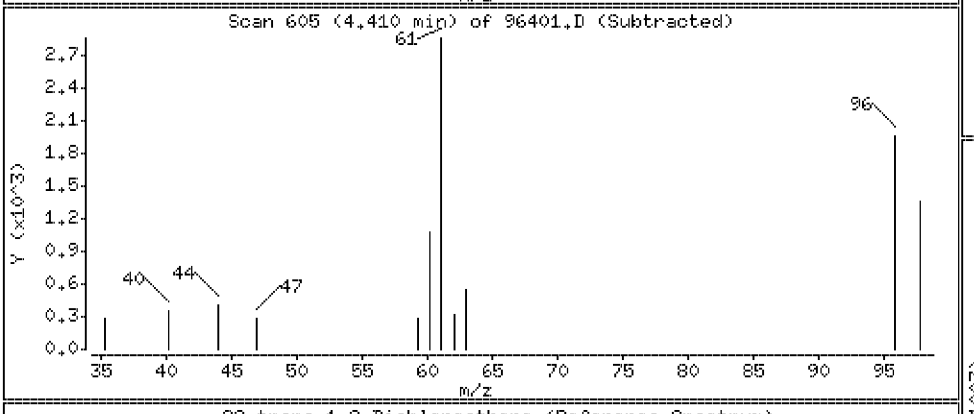
Column phase: DB-624

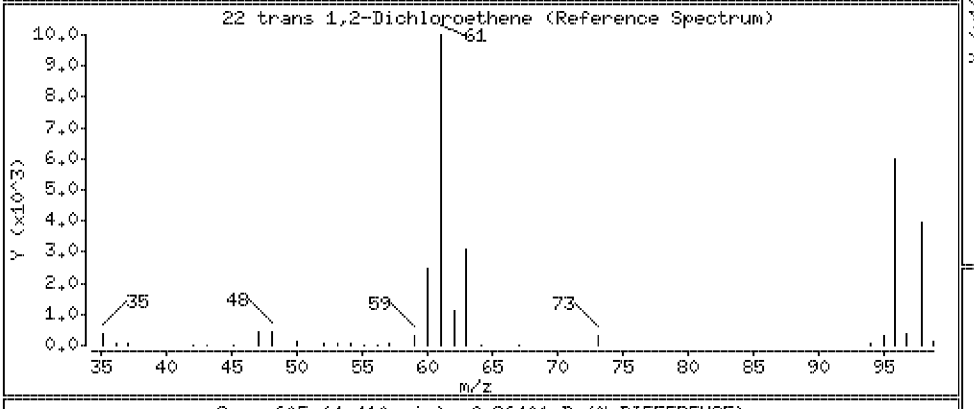
Column diameter: 0.18

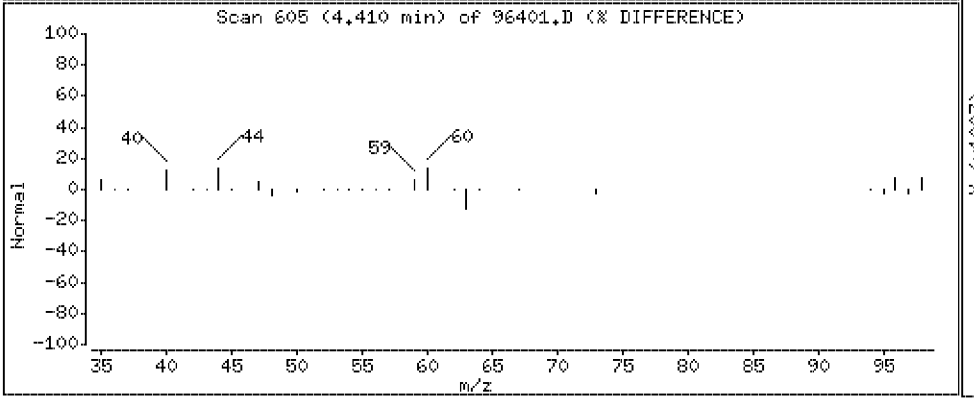
22 trans 1,2-Dichloroethene

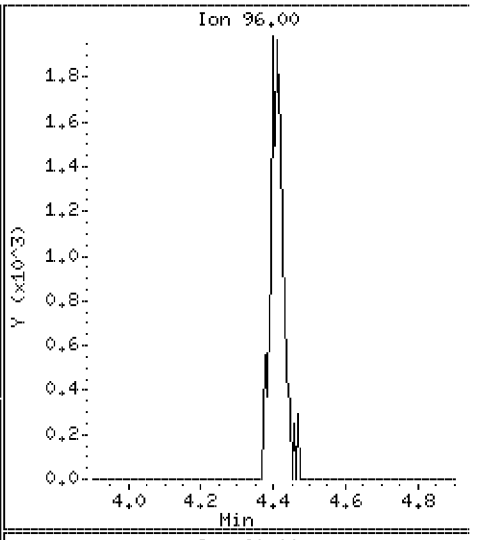
Concentration: 0.71 ug/l

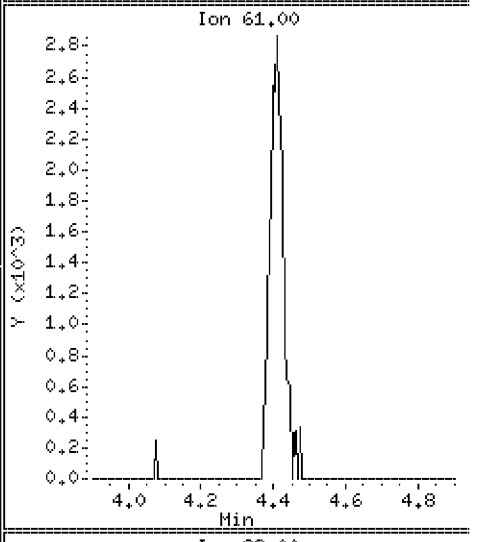


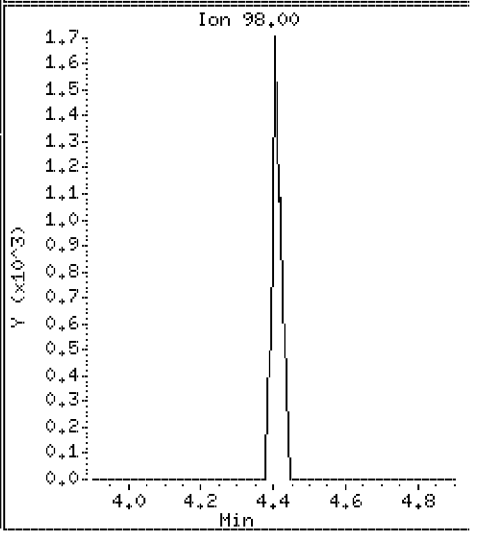












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96401.D

Date : 15-JUN-2007 16:33

Client ID: TO05MW40ABL

Instrument: vms03.i

Sample Info: 250696401;2506964;1;

Purge Volume: 5.0

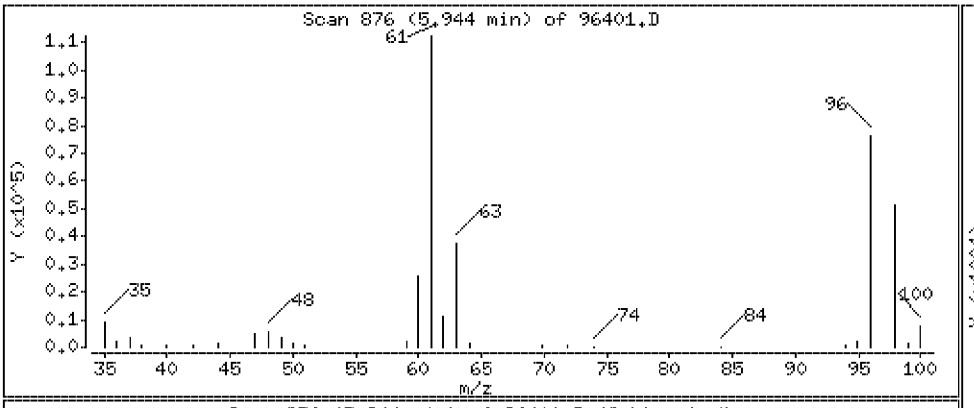
Operator:

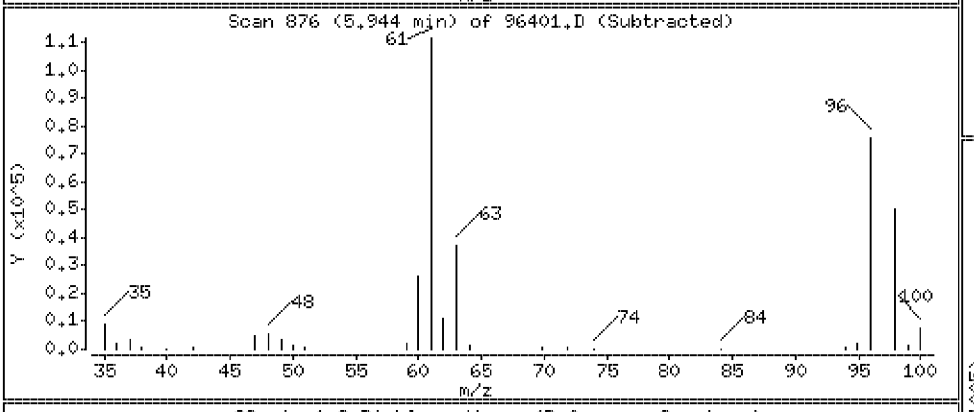
Column phase: DB-624

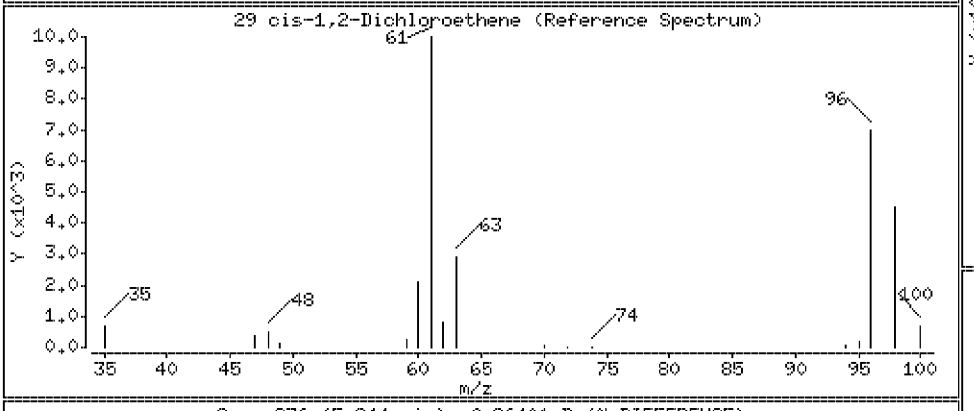
Column diameter: 0.18

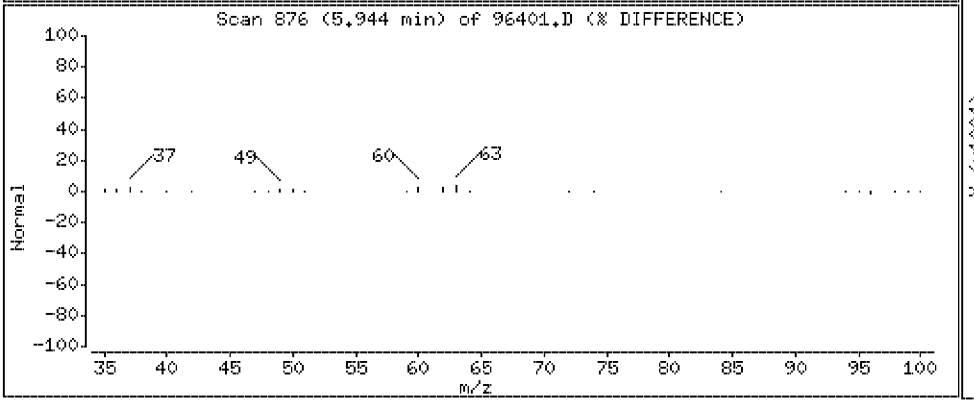
29 cis-1,2-Dichloroethene

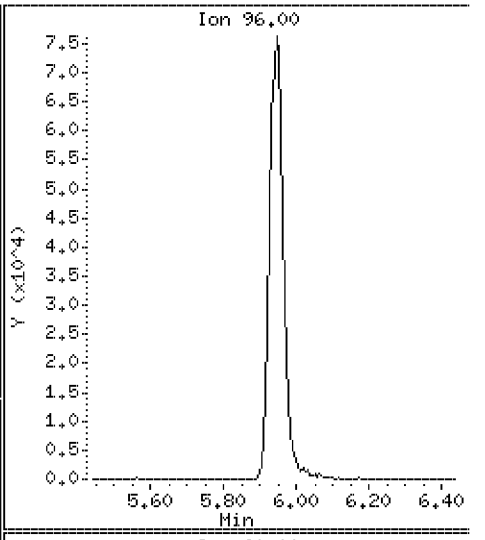
Concentration: 26.9 ug/l

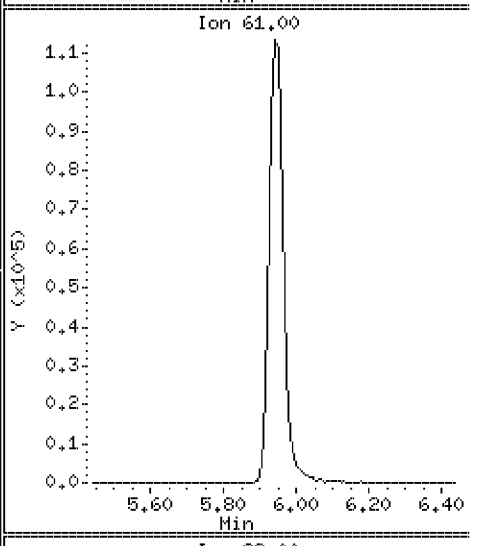


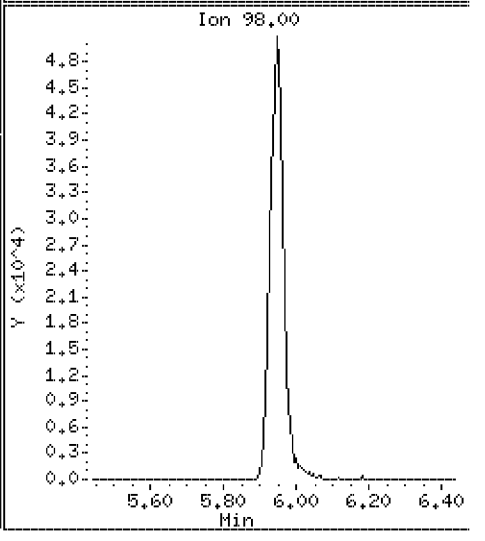












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96401.D

Date : 15-JUN-2007 16:33

Client ID: TO05MW40ABL

Instrument: vms03.i

Sample Info: 250696401;2506964;1;

Purge Volume: 5.0

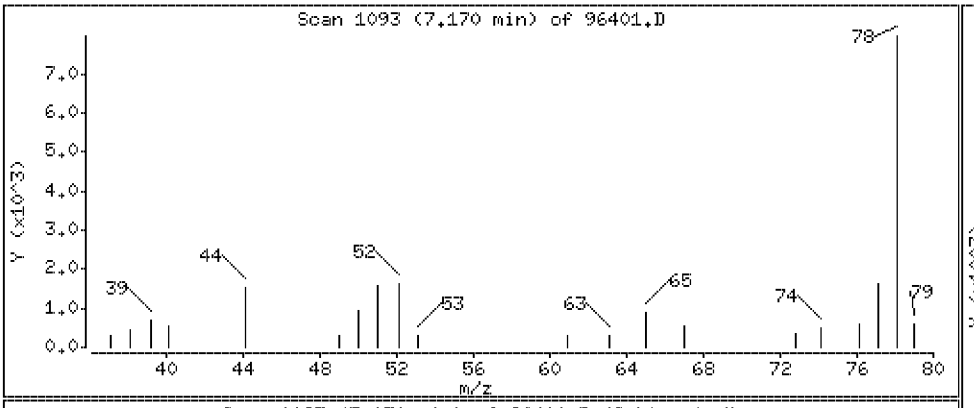
Operator:

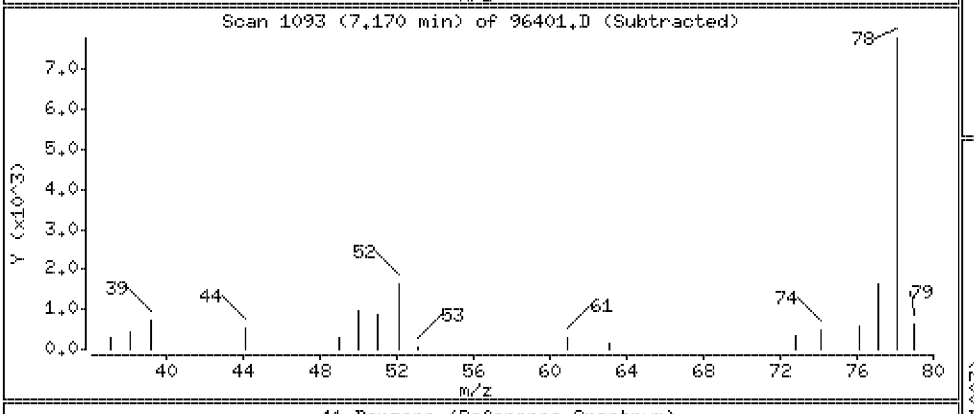
Column phase: DB-624

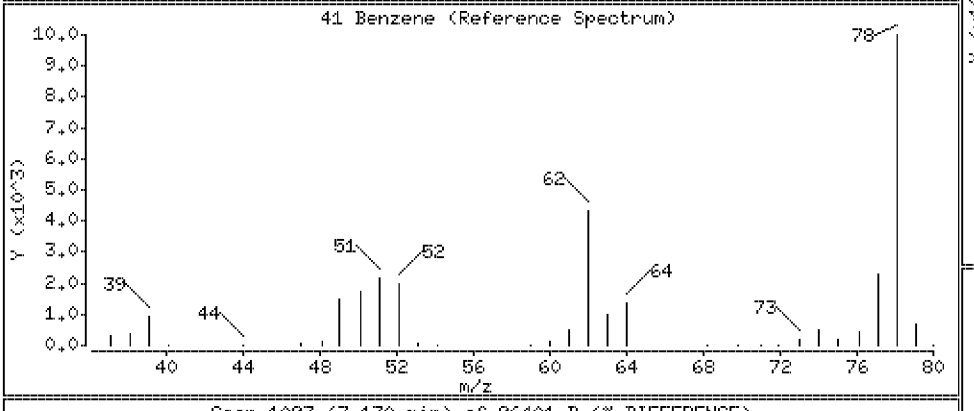
Column diameter: 0.18

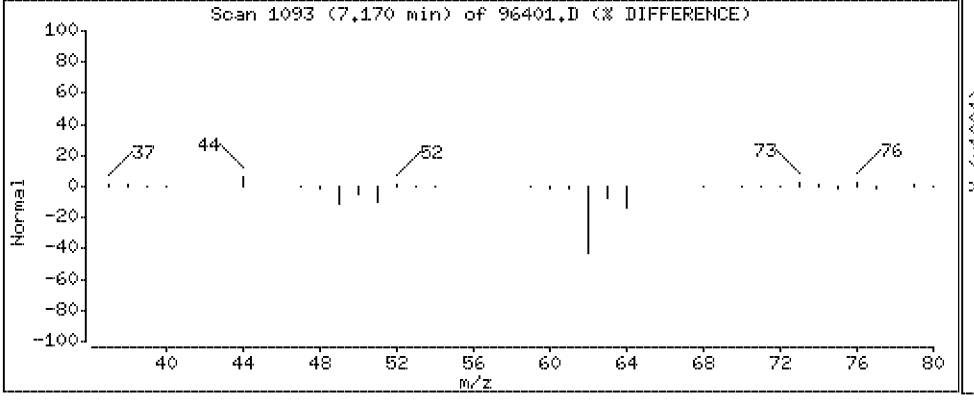
41 Benzene

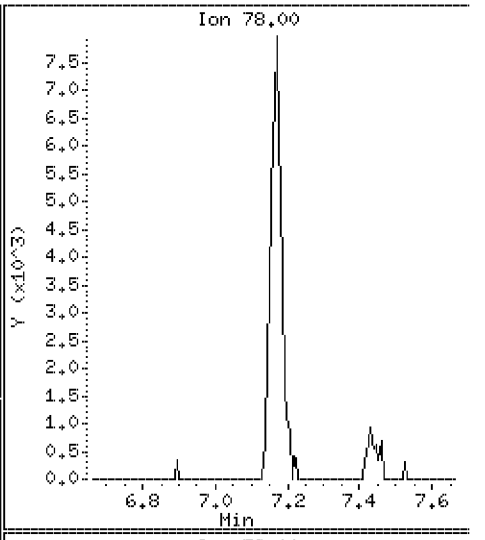
Concentration: 0.62 ug/l

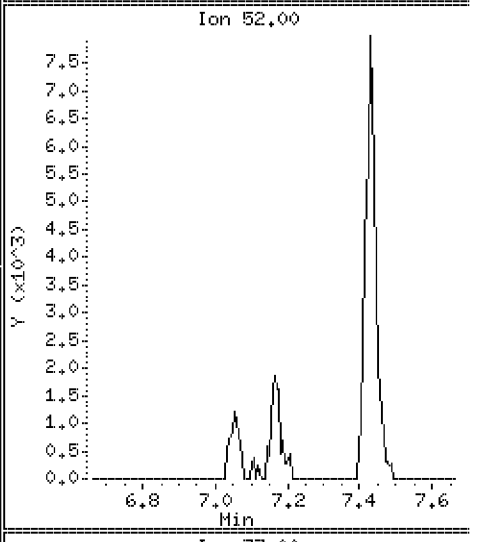


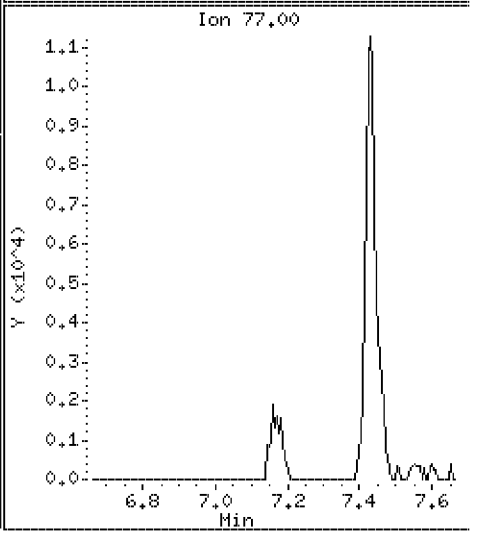












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96401.D

Date : 15-JUN-2007 16:33

Client ID: TO05MW40ABL

Instrument: vms03.i

Sample Info: 250696401;2506964;1;

Purge Volume: 5.0

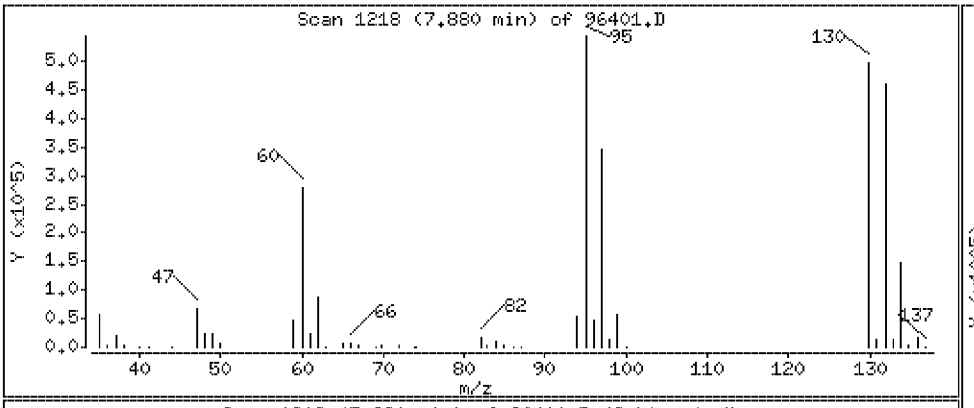
Operator:

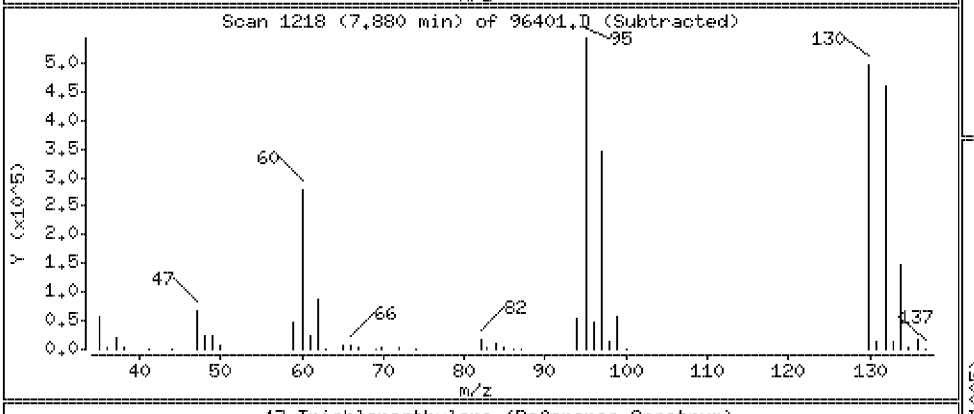
Column phase: DB-624

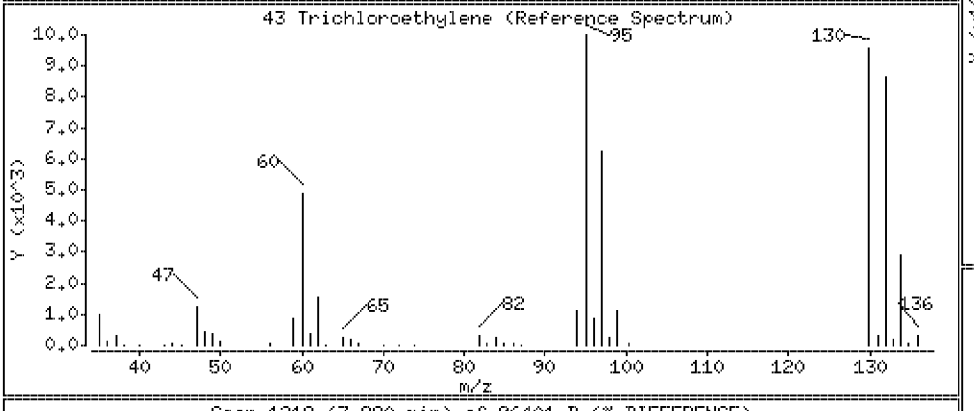
Column diameter: 0.18

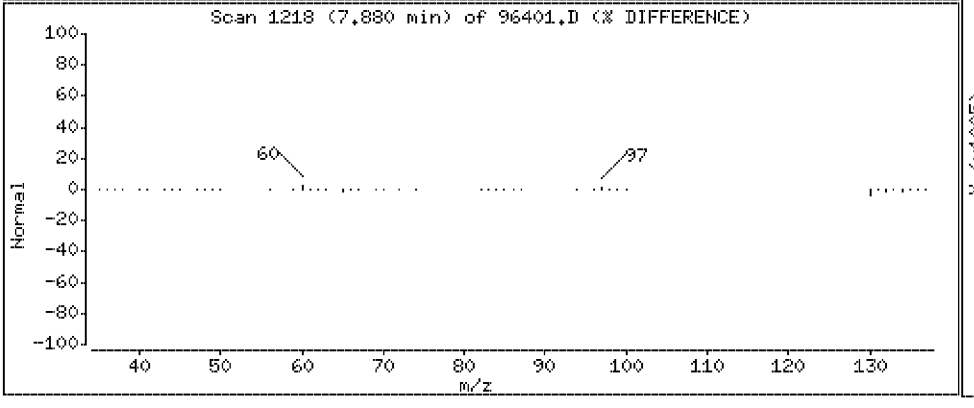
43 Trichloroethylene

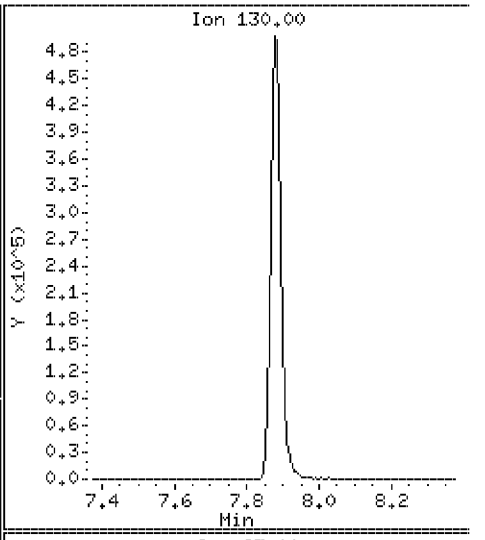
Concentration: 147 ug/l

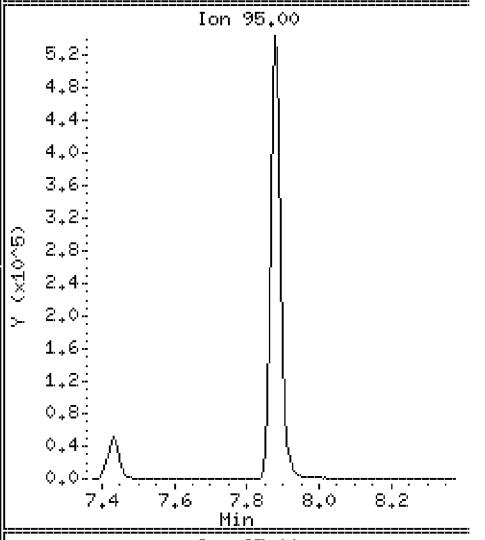


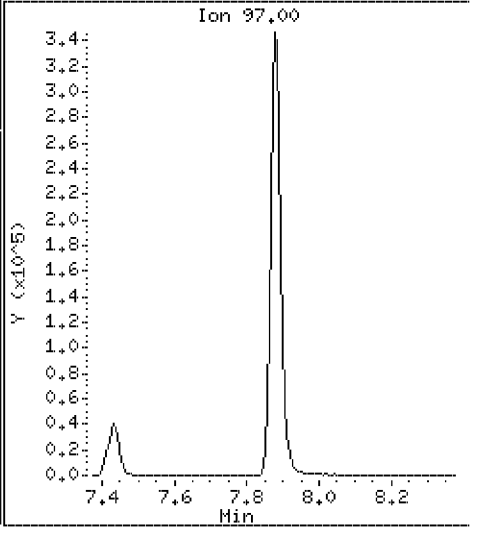












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96401.D

Date : 15-JUN-2007 16:33

Client ID: TO05MW40ABL

Instrument: vms03.i

Sample Info: 250696401;2506964;1;

Purge Volume: 5.0

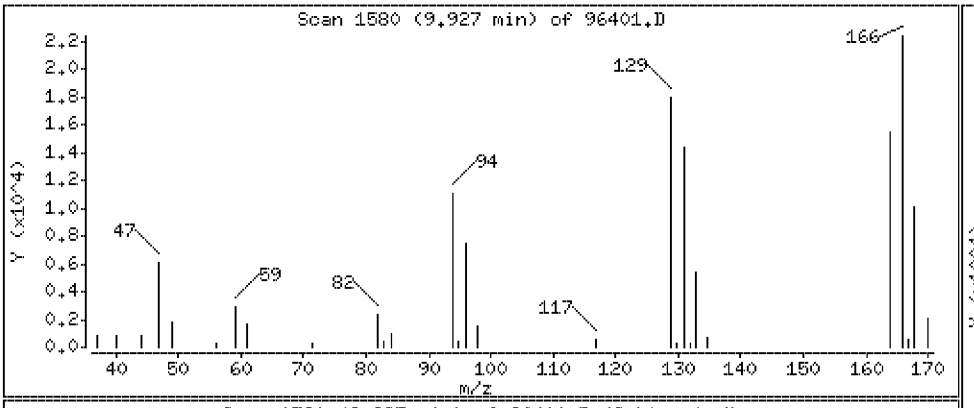
Operator:

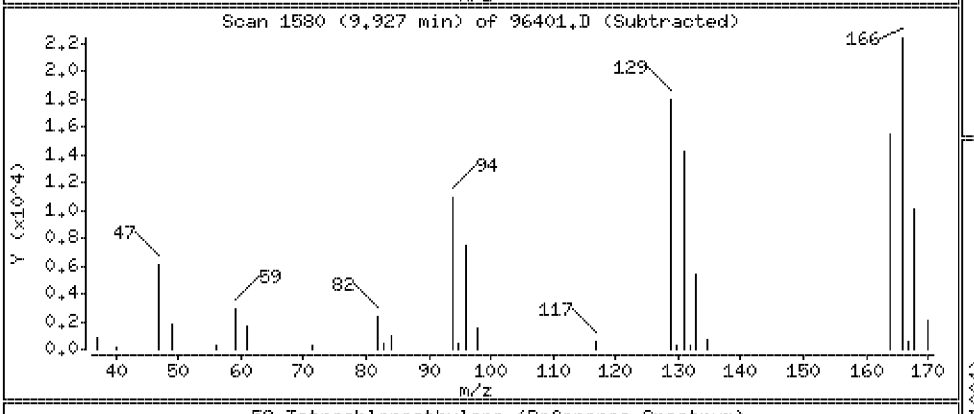
Column phase: DB-624

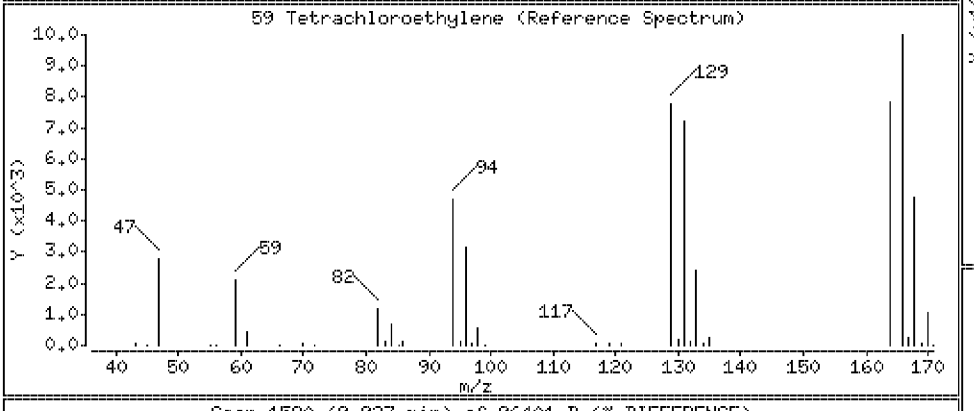
Column diameter: 0.18

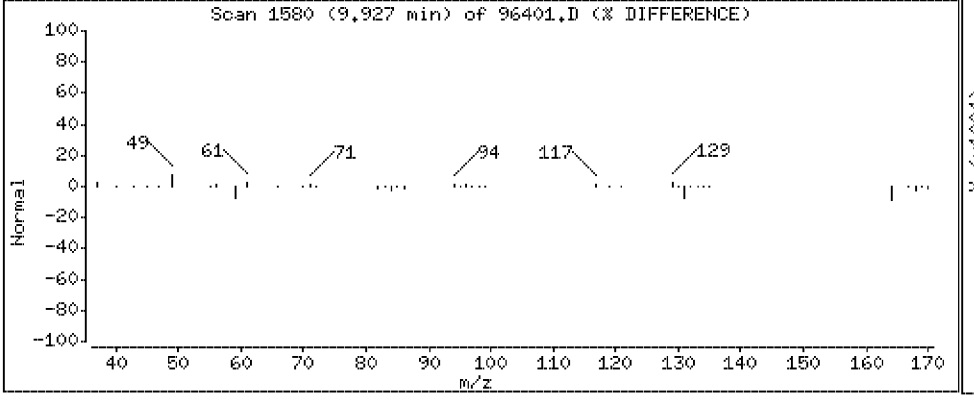
59 Tetrachloroethylene

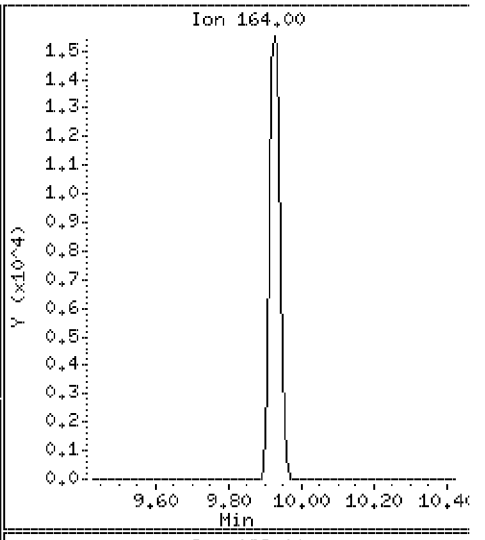
Concentration: 5.1 ug/l

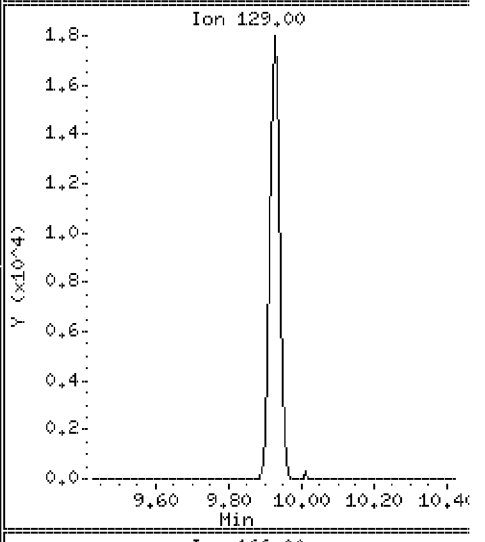


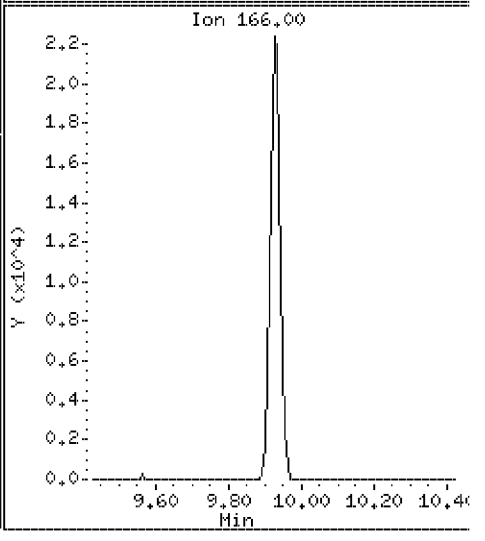












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96401.D

Date : 15-JUN-2007 16:33

Client ID: TO05MW40ABL

Instrument: vms03.i

Sample Info: 250696401;2506964;1;

Purge Volume: 5.0

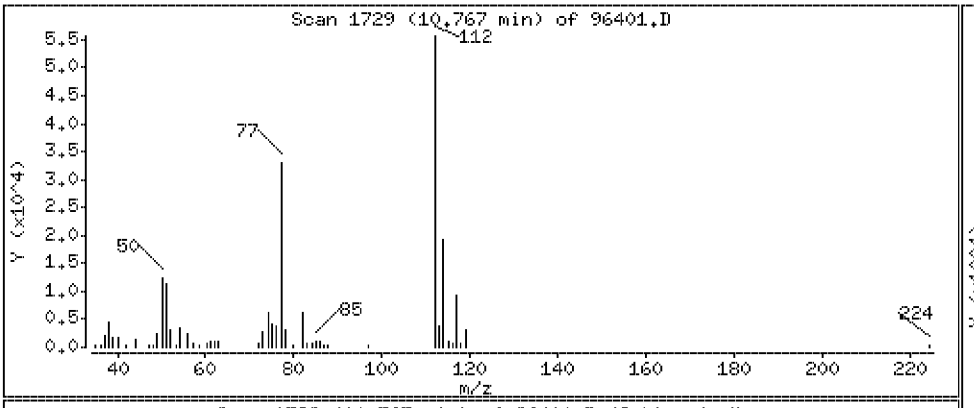
Operator:

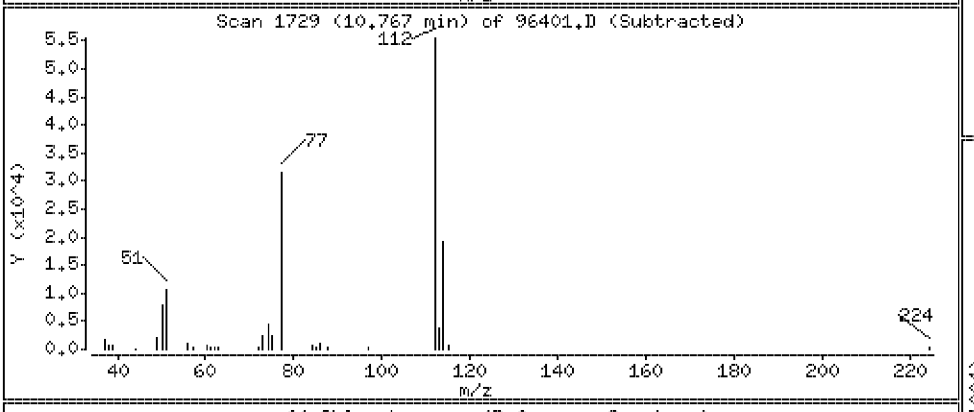
Column phase: DB-624

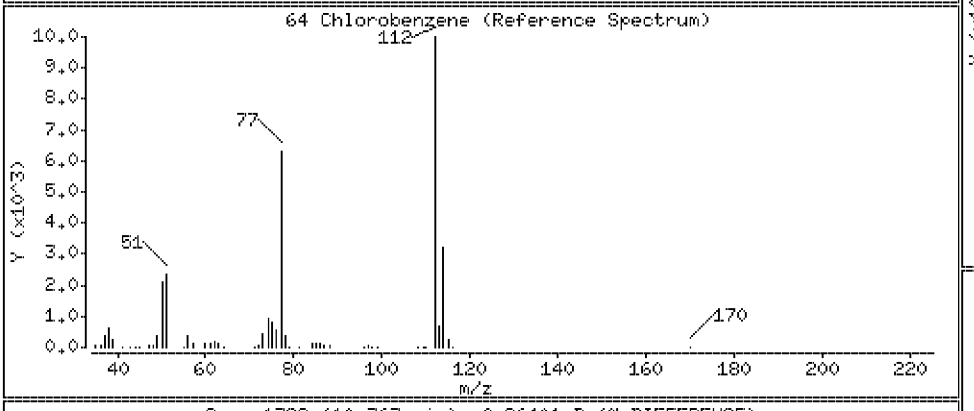
Column diameter: 0.18

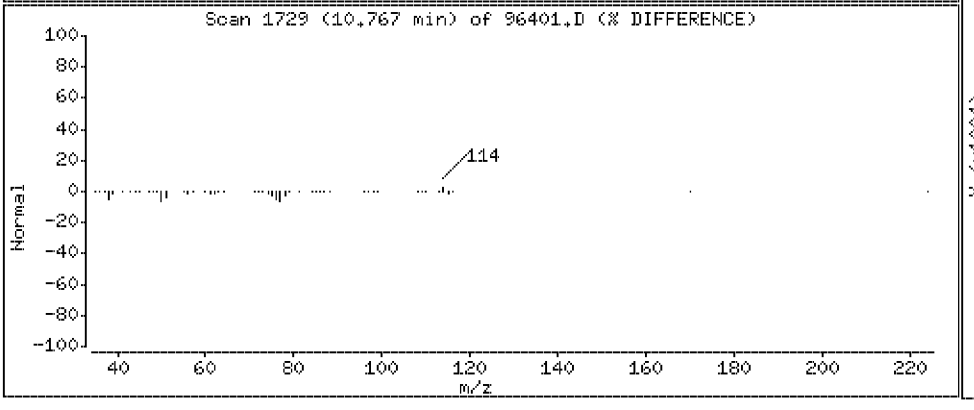
64 Chlorobenzene

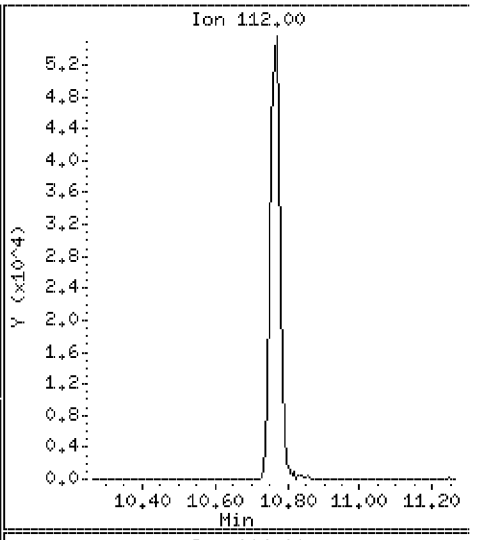
Concentration: 4.6 ug/l

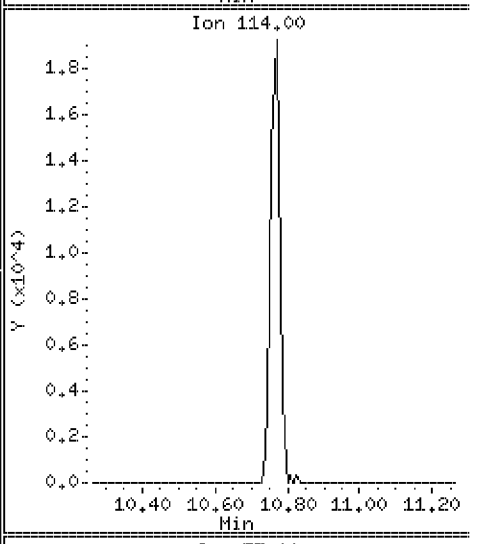


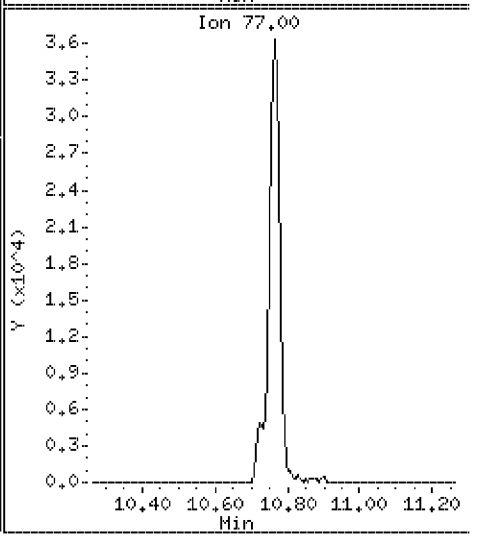












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M306150P.b\96401D.D
Lab Smp Id: 250696401 Client Smp ID: TO05MW40ABL
Inj Date : 15-JUN-2007 12:39
Operator : Inst ID: vms03.i
Smp Info : 250696401;2506964;5;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M306150P.b\8260A.m
Meth Date : 20-Jun-2007 10:26 lpelo Quant Type: ISTD
Cal Date : 15-JUN-2007 08:57 Cal File: 80PPB.D
Als bottle: 27
Dil Factor: 5.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	5.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				33739	4.52552	22.6
29 cis-1,2-Dichloroethene	96	5.944	5.937	(0.800)	33739	4.52552	22.6(Q)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.437	6.430	(0.866)	341070	50.9910	51.0
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	7.055	7.051	(0.949)	77195	51.3838	51.4
* 42 FLUOROBENZENE (IS)	96	7.432	7.427	(1.000)	1245561	50.0000	
43 Trichloroethylene	130	7.880	7.875	(1.060)	193264	26.9464	135
$ 53 TOLUENE d8 (surr)	98	9.173	9.170	(1.234)	1317228	50.1524	50.2
59 Tetrachloroethylene	164	9.928	9.926	(0.926)	6128	1.03365	5.2
* 63 CHLOROBENZENE d5 (IS)	117	10.726	10.724	(1.000)	941422	50.0000	
64 Chlorobenzene	112	10.763	10.763	(1.003)	18788	0.86555	4.3(a)
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.953	11.951	(0.909)	527174	51.9558	52.0
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.144	13.143	(1.000)	462511	50.0000	

QC Flag Legend

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

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 96401D.D
Lab Smp Id: 250696401
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M306150P.b\8260A.m
Misc Info:

Calibration Date: 15-JUN-2007
Calibration Time: 10:18
Client Smp ID: TO05MW40ABL
Level: LOW
Sample Type: WATER

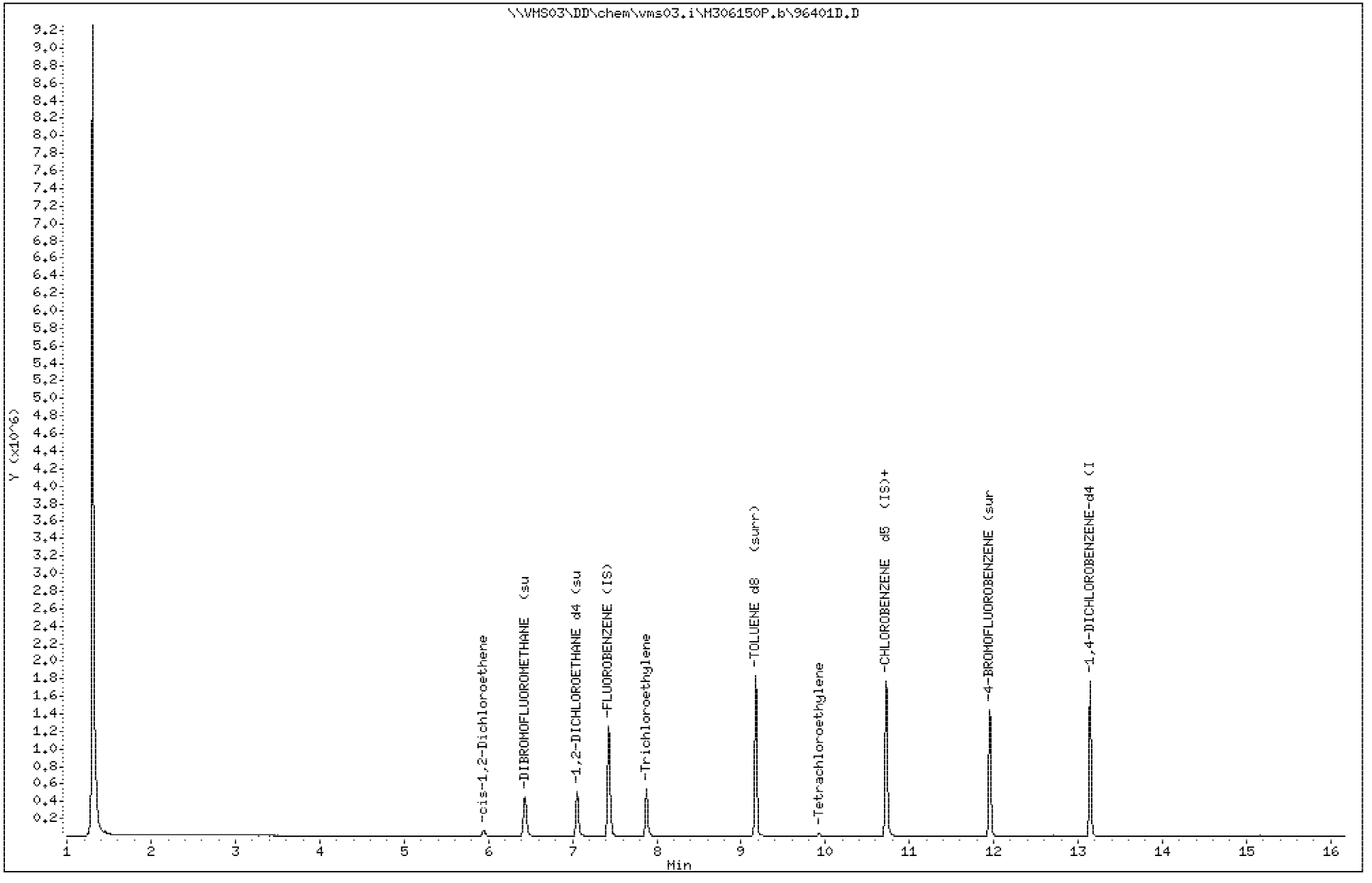
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1288369	644185	2576738	1245561	-3.32
63 CHLOROBENZENE d5	921152	460576	1842304	941422	2.20
86 1,4-DICHLOROBENZE	508073	254037	1016146	462511	-8.97

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.06
63 CHLOROBENZENE d5	10.72	10.22	11.22	10.73	0.02
86 1,4-DICHLOROBENZE	13.14	12.64	13.64	13.14	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96401D.D
Date : 15-JUN-2007 12:39
Client ID: TO05MW40ABL
Sample Info: 250696401;2506964;5;
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



AO-381

2506964

Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96401D.D

Date : 15-JUN-2007 12:39

Client ID: TO05MW40ABL

Instrument: vms03.i

Sample Info: 250696401;2506964;5;

Purge Volume: 5.0

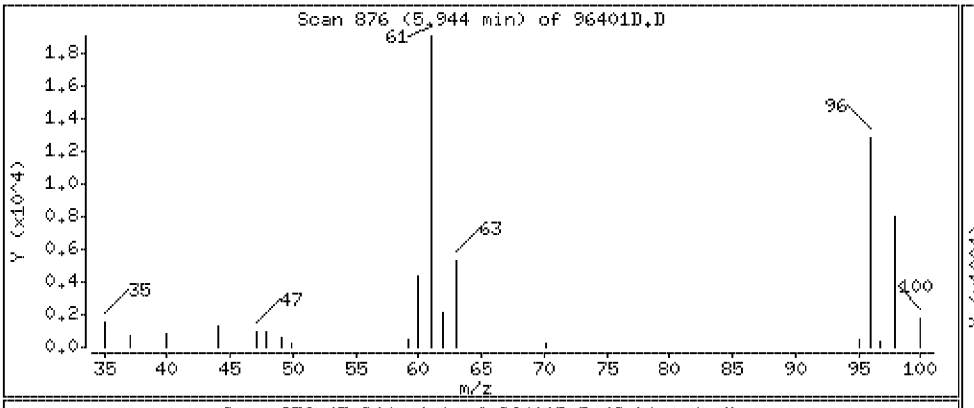
Operator:

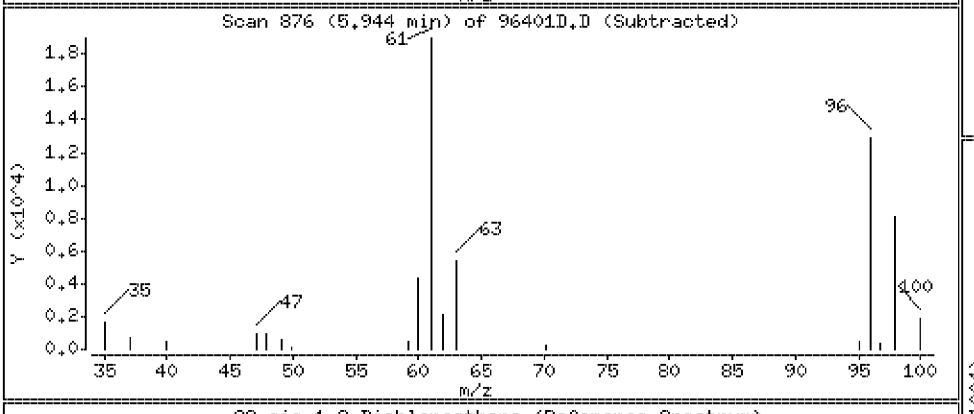
Column phase: DB-624

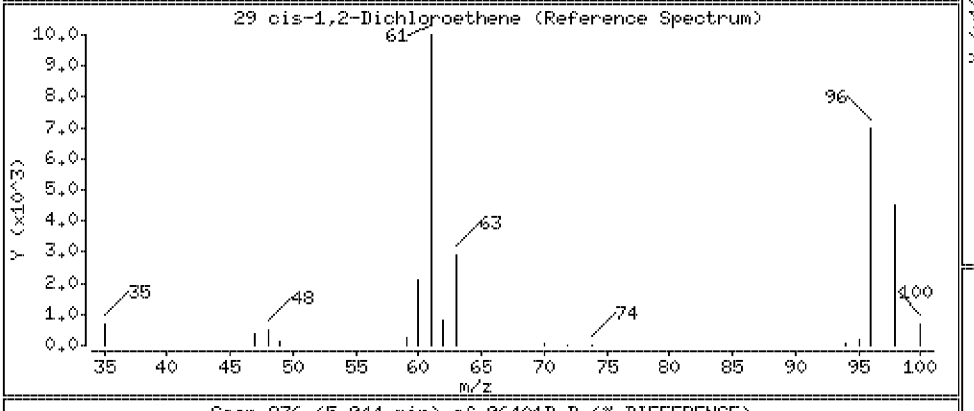
Column diameter: 0.18

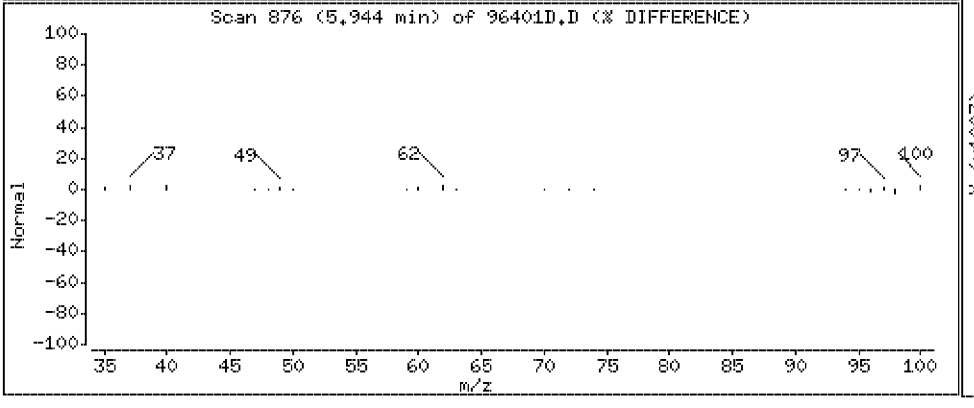
29 cis-1,2-Dichloroethene

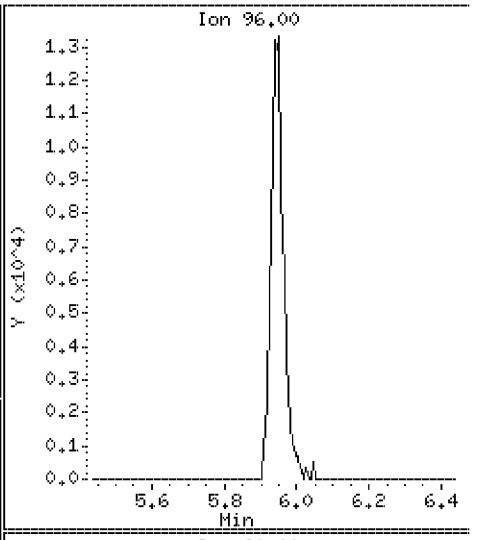
Concentration: 22.6 ug/l

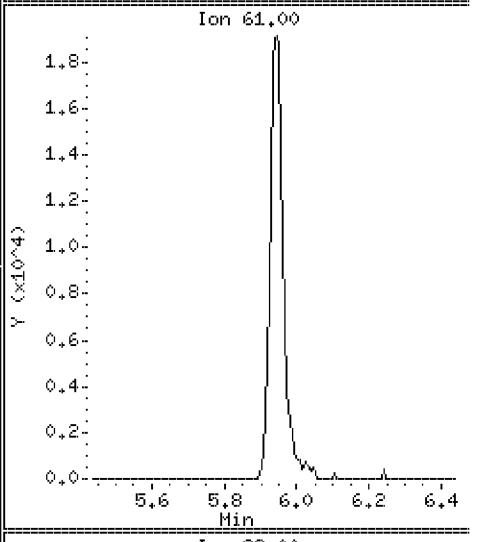


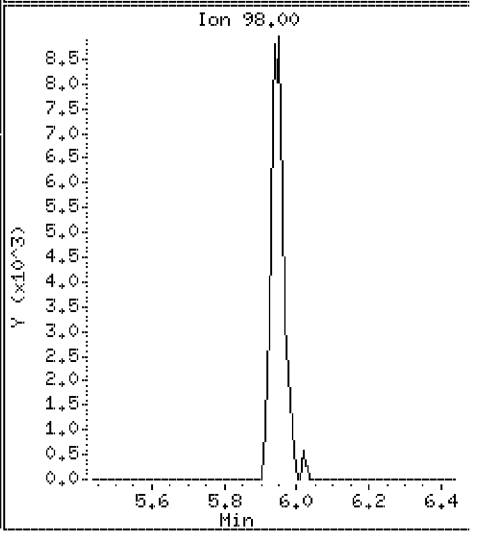












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96401D.D

Date : 15-JUN-2007 12:39

Client ID: TO05MW40ABL

Instrument: vms03.i

Sample Info: 250696401;2506964;5;

Purge Volume: 5.0

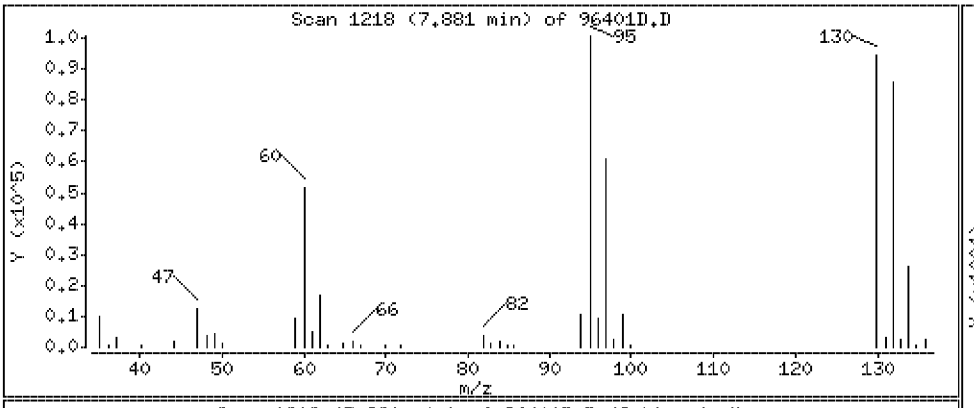
Operator:

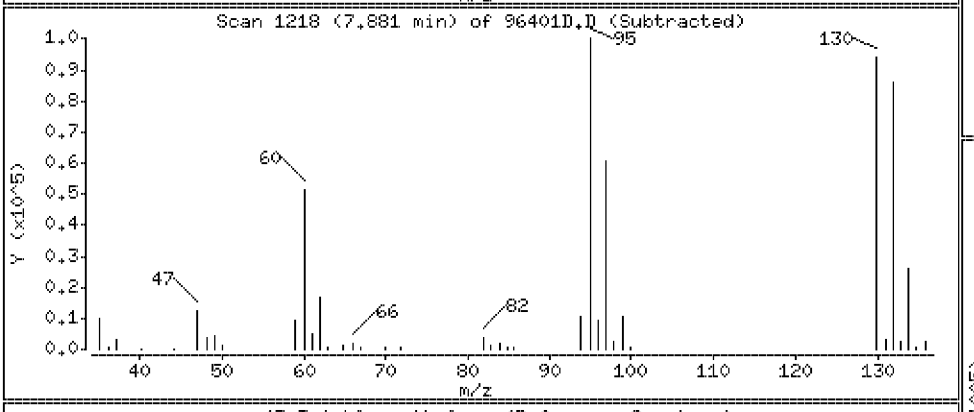
Column phase: DB-624

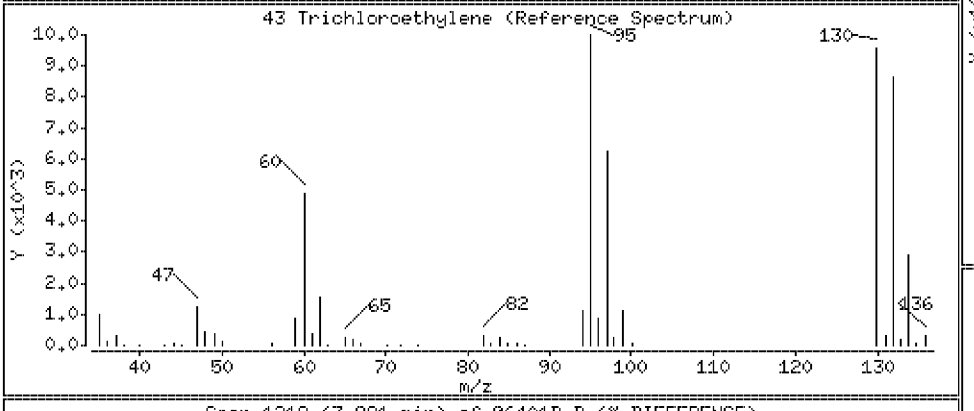
Column diameter: 0.18

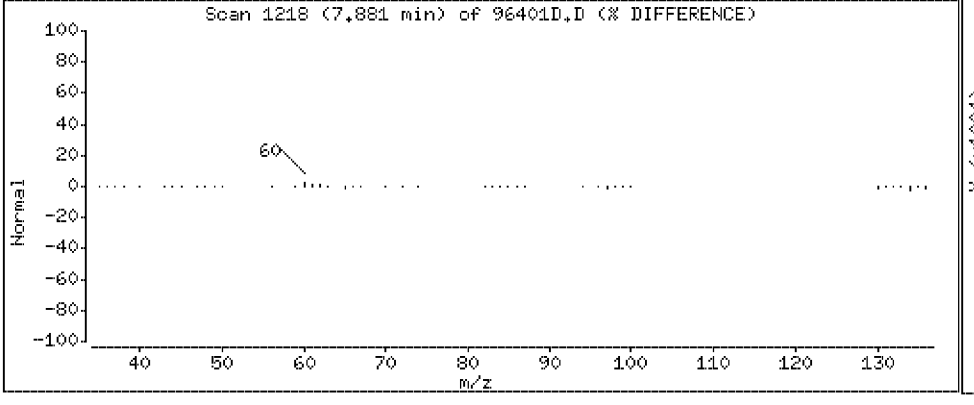
43 Trichloroethylene

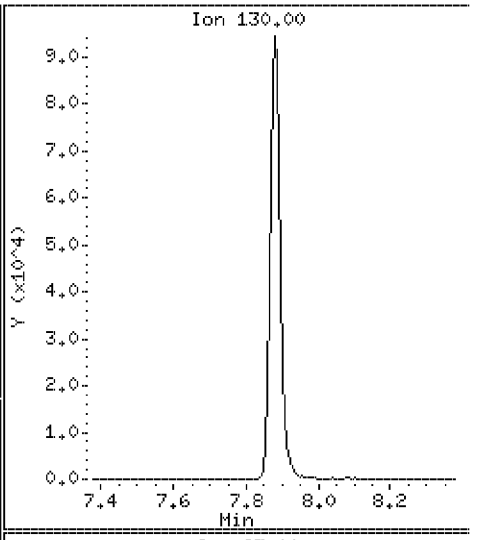
Concentration: 135 ug/l

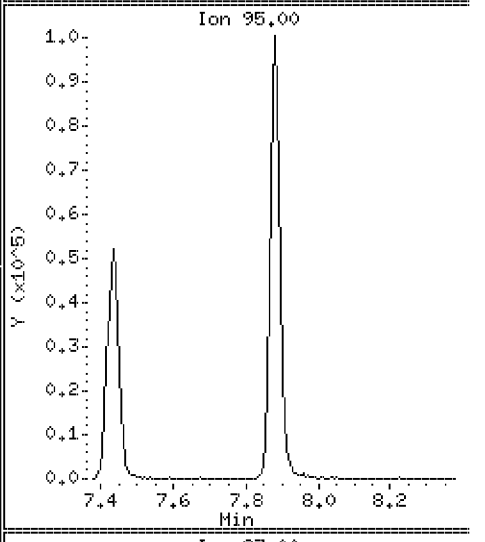


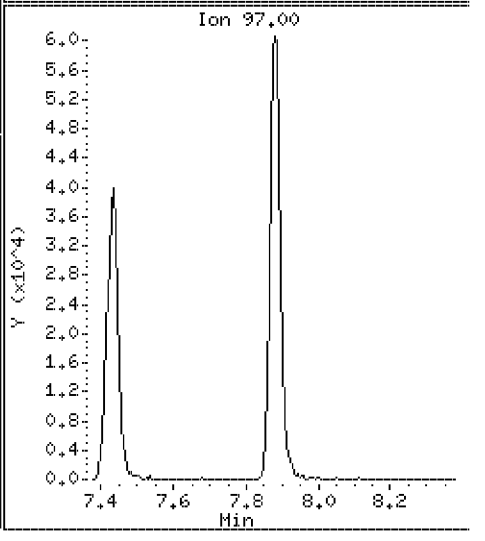












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96401D.D

Date : 15-JUN-2007 12:39

Client ID: TO05MW40ABL

Instrument: vms03.i

Sample Info: 250696401;2506964;5;

Purge Volume: 5.0

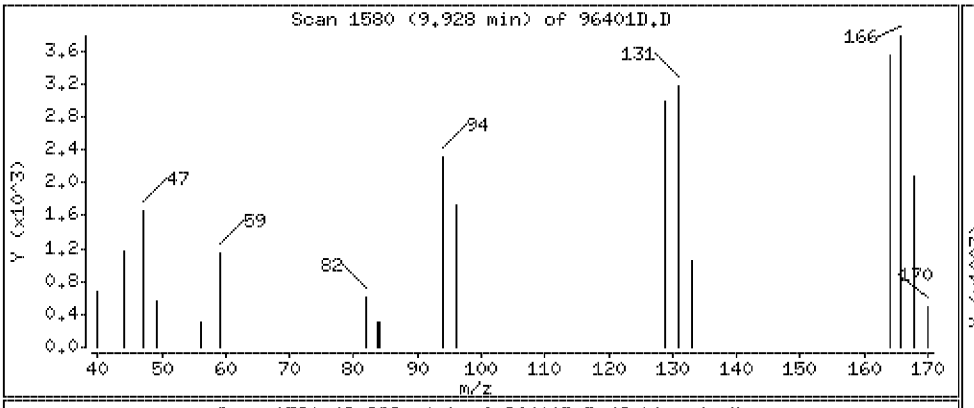
Operator:

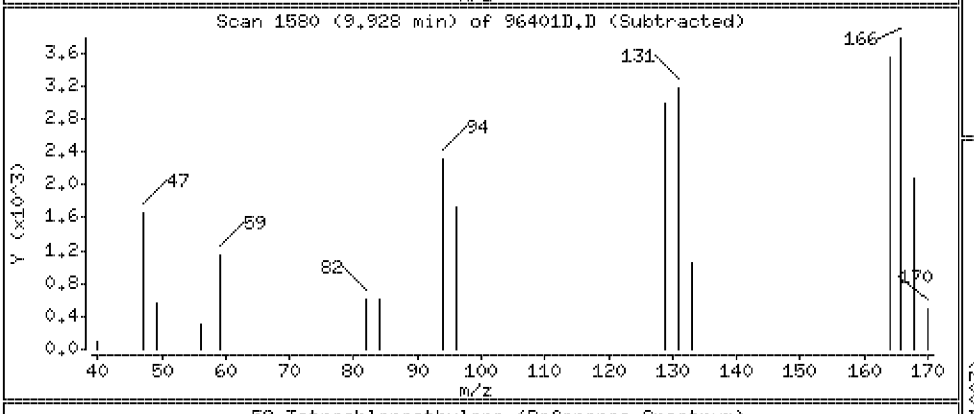
Column phase: DB-624

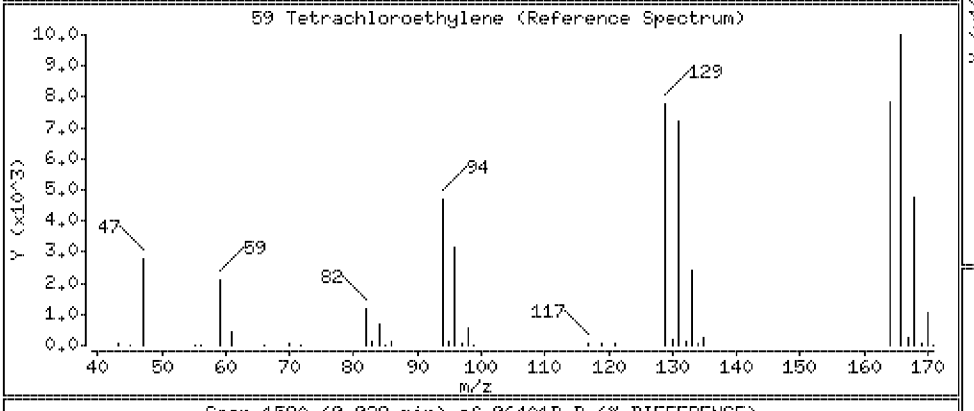
Column diameter: 0.18

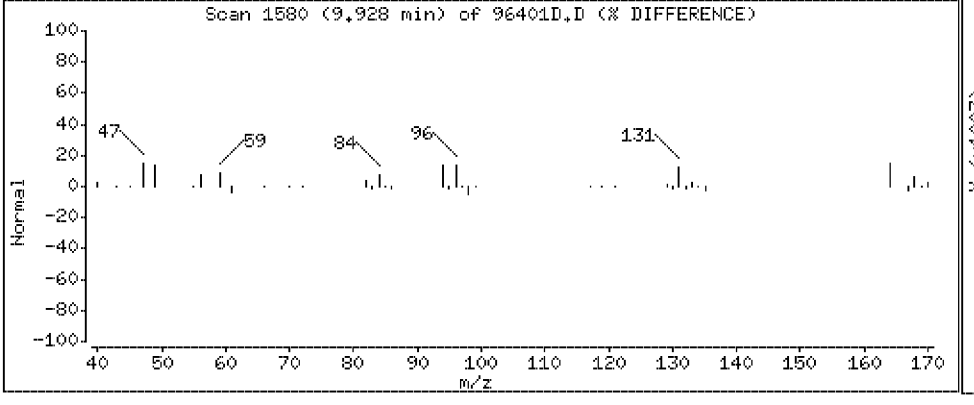
59 Tetrachloroethylene

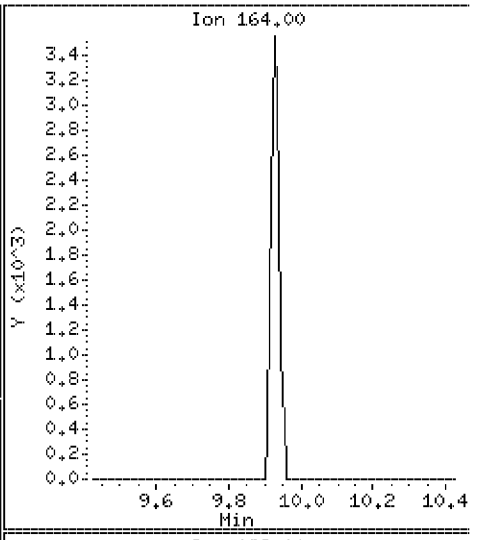
Concentration: 5.2 ug/l

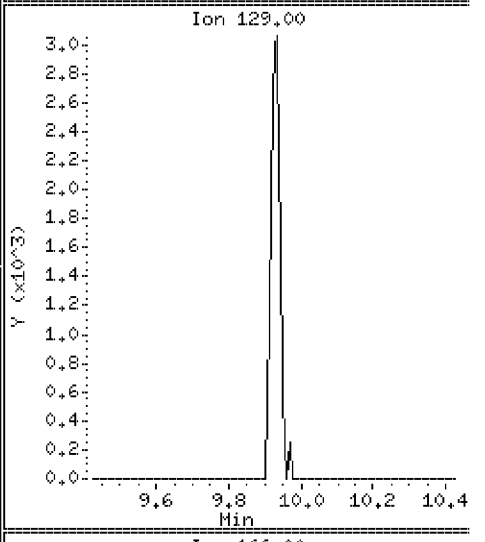


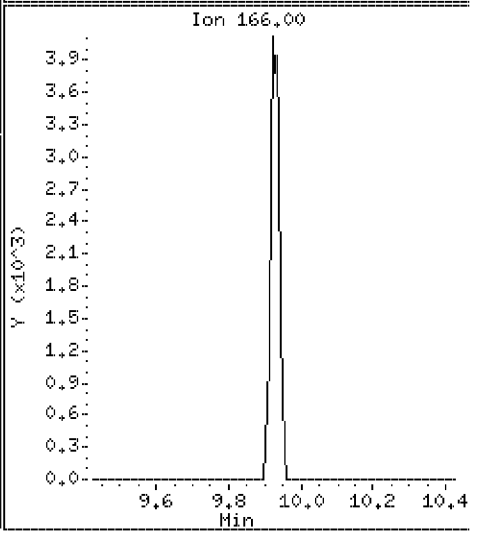












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96401D.D

Date : 15-JUN-2007 12:39

Client ID: TO05MW40ABL

Instrument: vms03.i

Sample Info: 250696401;2506964;5;

Purge Volume: 5.0

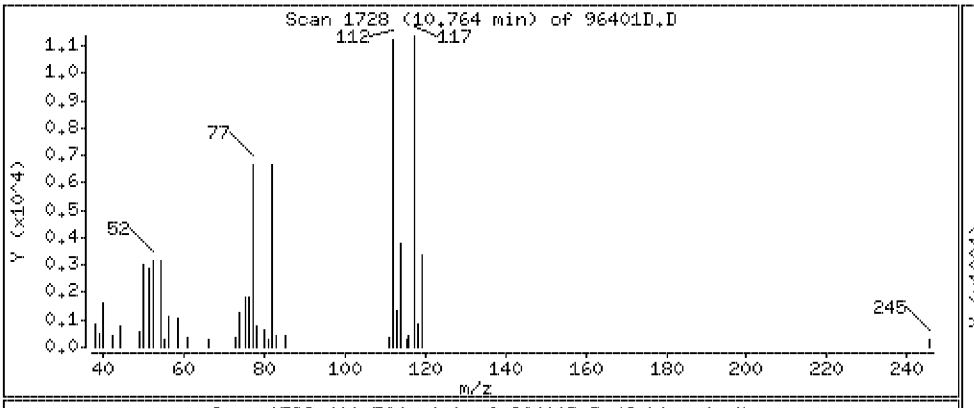
Operator:

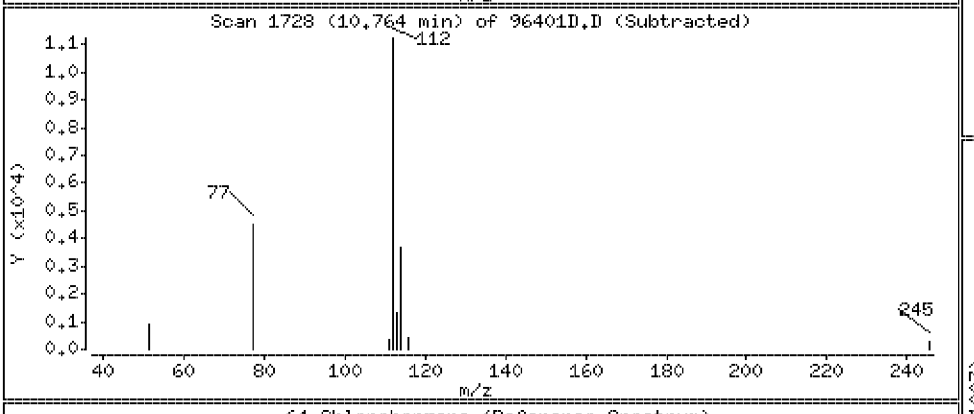
Column phase: DB-624

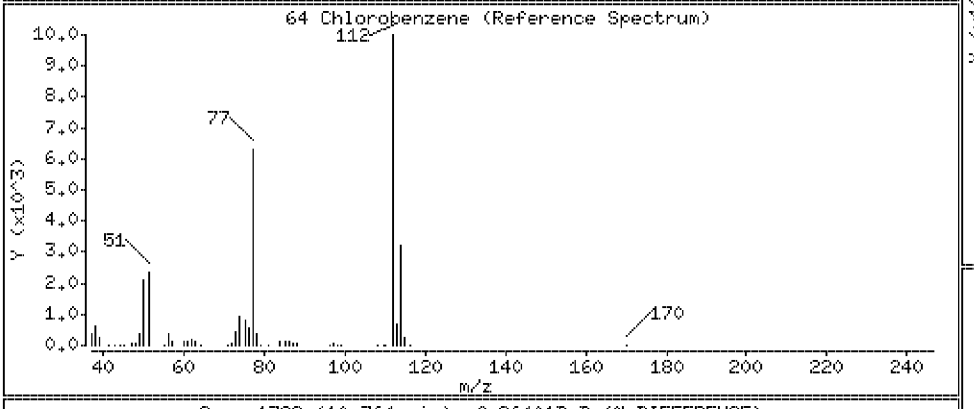
Column diameter: 0.18

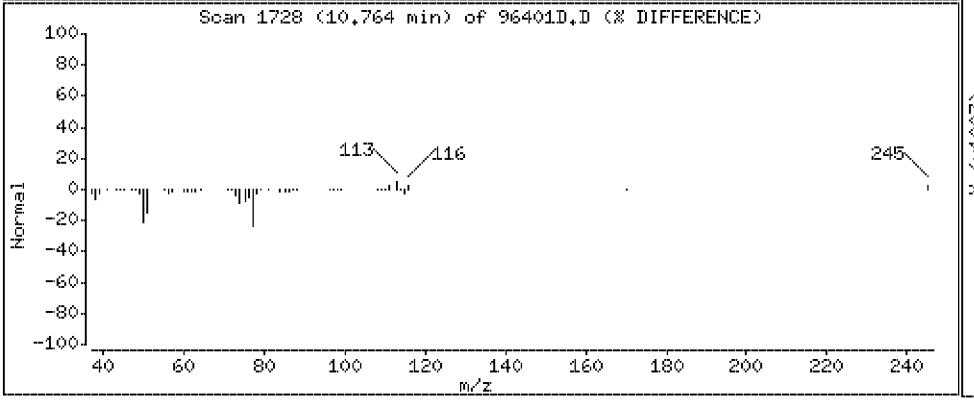
64 Chlorobenzene

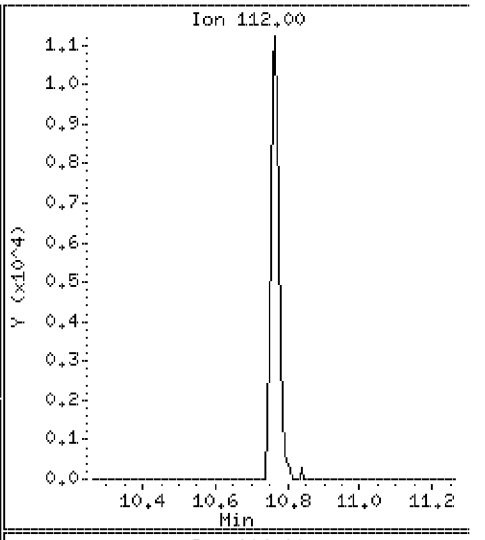
Concentration: 4.3 ug/l

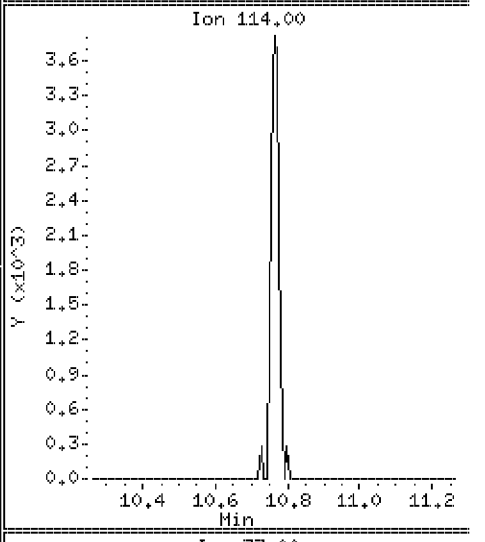


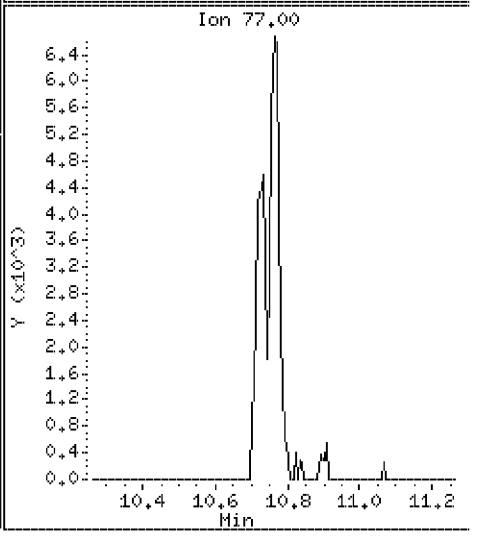












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M306150P.b\96404.D
Lab Smp Id: 250696404 Client Smp ID: TO05MW40BBL
Inj Date : 15-JUN-2007 16:56
Operator : Inst ID: vms03.i
Smp Info : 250696404;2506964;1;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M306150P.b\8260A.m
Meth Date : 20-Jun-2007 10:26 lpelo Quant Type: ISTD
Cal Date : 15-JUN-2007 08:57 Cal File: 80PPB.D
Als bottle: 35
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				682387	92.3416	92.3
6 Vinyl Chloride	62	1.765	1.758	(0.238)	210129	40.6392	40.6
13 1,1-Dichloroethene	61	3.251	3.252	(0.437)	14166	1.17088	1.2
22 trans 1,2-Dichloroethene	61	4.406	4.402	(0.593)	5921	0.53867	0.54(a)
29 cis-1,2-Dichloroethene	96	5.942	5.937	(0.800)	676466	91.8030	91.8(Aq)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.434	6.430	(0.866)	334470	50.5919	50.6
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	7.055	7.051	(0.949)	77069	51.9028	51.9
41 Benzene	78	7.170	7.163	(0.965)	41613	1.48085	1.5
* 42 FLUOROBENZENE (IS)	96	7.431	7.427	(1.000)	1231092	50.0000	
43 Trichloroethylene	130	7.882	7.875	(1.061)	15023066	2119.25	2120(A)
$ 53 TOLUENE d8 (surr)	98	9.173	9.170	(1.234)	1315590	50.6788	50.7
54 Toluene	92	9.253	9.253	(1.245)	19706	1.08949	1.1
57 1,1,2-Trichloroethane	97	9.610	9.610	(1.293)	4694	0.69689	0.70(a)
59 Tetrachloroethylene	164	9.928	9.926	(0.926)	130314	22.5885	22.6
* 63 CHLOROBENZENE d5 (IS)	117	10.727	10.724	(1.000)	916098	50.0000	
64 Chlorobenzene	112	10.765	10.763	(1.004)	84264	3.98928	4.0
66 Ethylbenzene	106	10.819	10.818	(1.009)	4887	0.45851	0.46(a)
68 o-Xylene	91	11.340	11.336	(1.057)	9904	0.31349	0.31(a)
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.953	11.951	(0.909)	507507	52.3755	52.4
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.145	13.143	(1.000)	441689	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
    exceeded maximum amount.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 96404.D
Lab Smp Id: 250696404
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M306150P.b\8260A.m
Misc Info:

Calibration Date: 15-JUN-2007
Calibration Time: 10:18
Client Smp ID: TO05MW40BBL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1288369	644185	2576738	1231092	-4.45
63 CHLOROBENZENE d5	921152	460576	1842304	916098	-0.55
86 1,4-DICHLOROBENZE	508073	254037	1016146	441689	-13.07

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.06
63 CHLOROBENZENE d5	10.72	10.22	11.22	10.73	0.03
86 1,4-DICHLOROBENZE	13.14	12.64	13.64	13.15	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96404.D

Date : 15-JUN-2007 16:56

Client ID: T005MW40BBL

Instrument: vms03.i

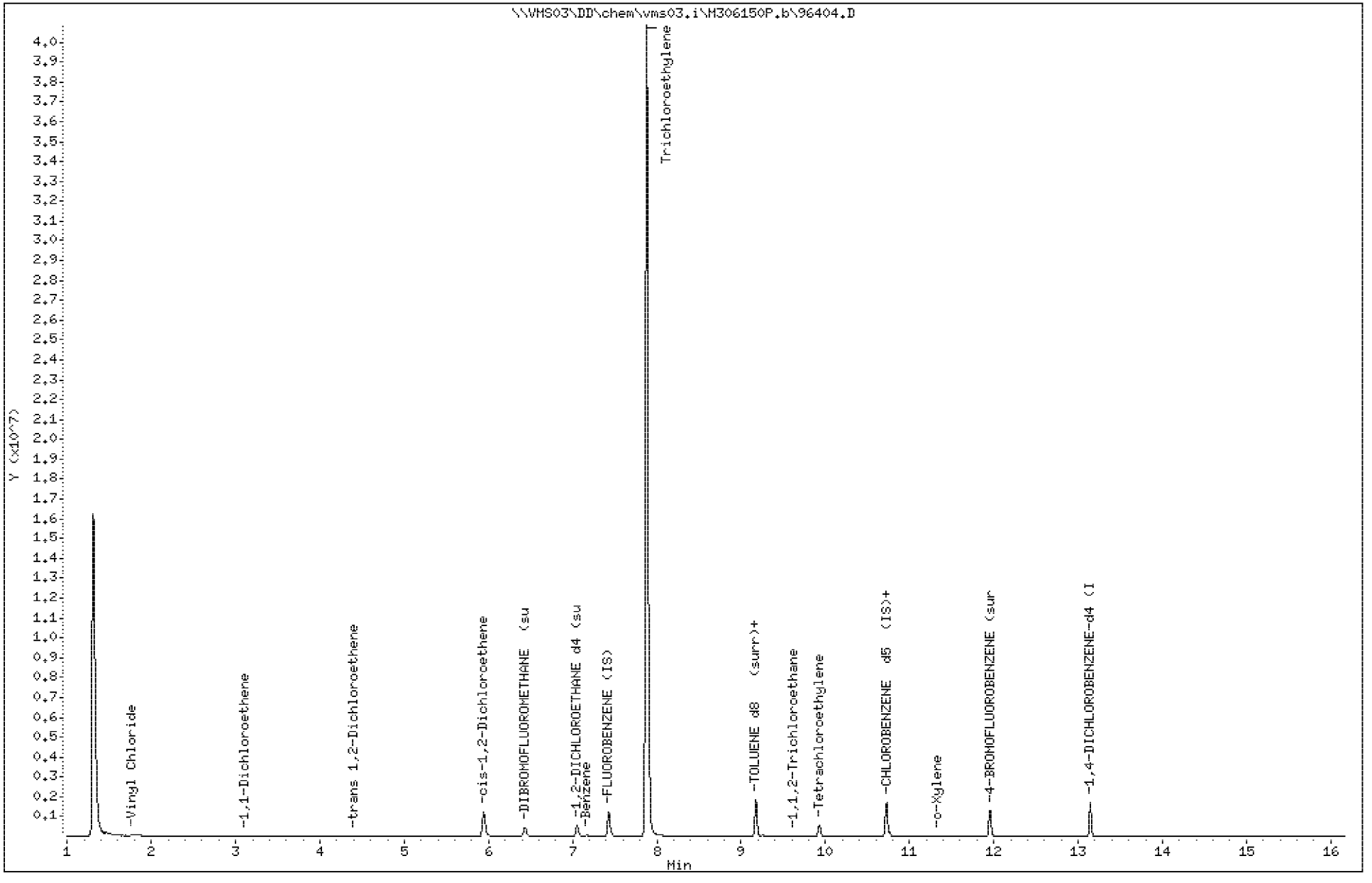
Sample Info: 250696404;2506964;1;

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96404.D

Date : 15-JUN-2007 16:56

Client ID: TO05MW40BBL

Instrument: vms03.i

Sample Info: 250696404;2506964;1;

Purge Volume: 5.0

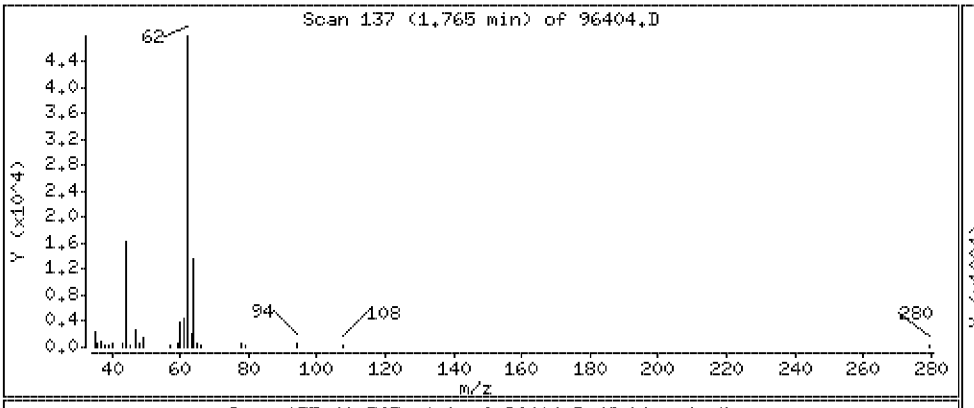
Operator:

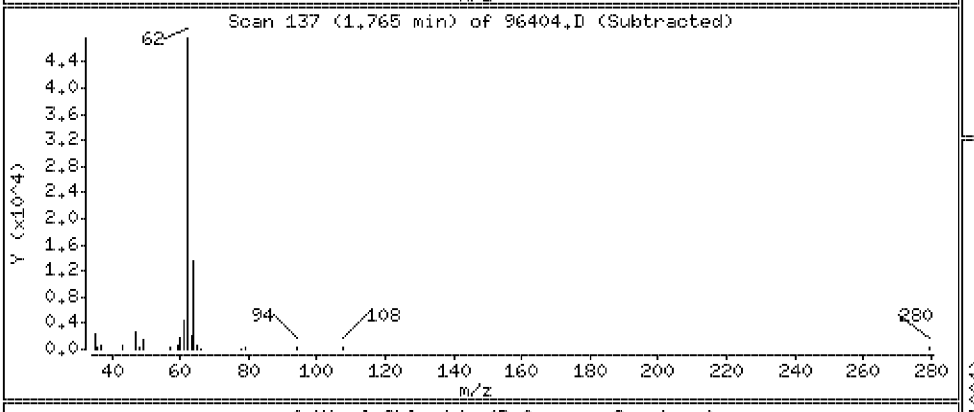
Column phase: DB-624

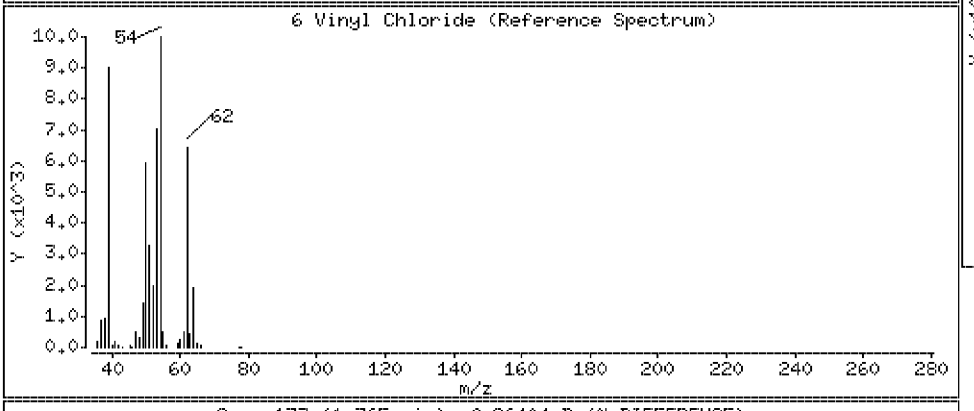
Column diameter: 0.18

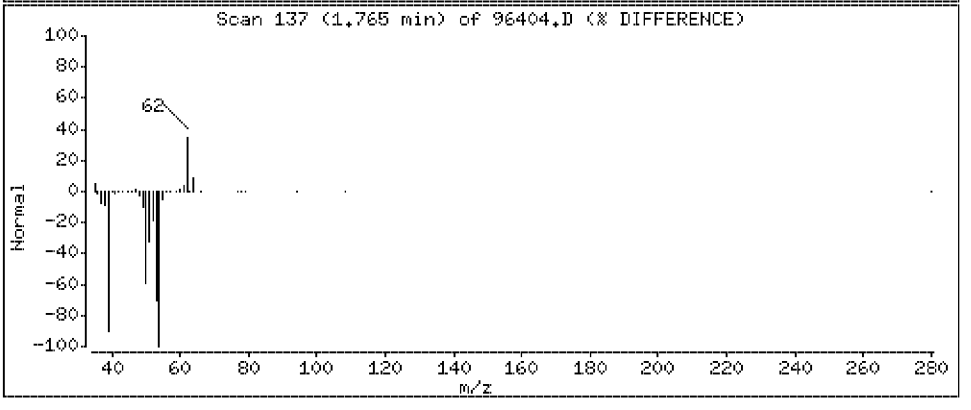
6 Vinyl Chloride

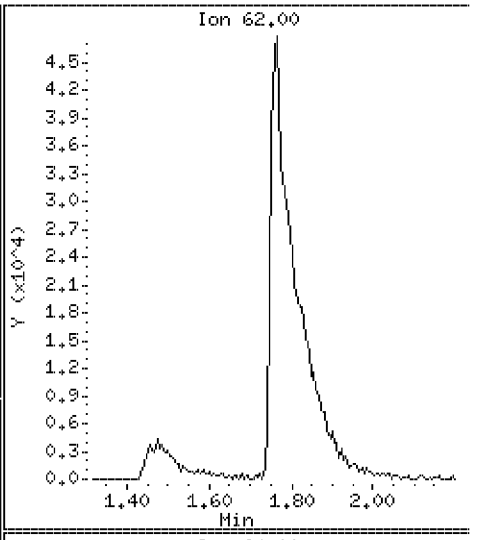
Concentration: 40.6 ug/l

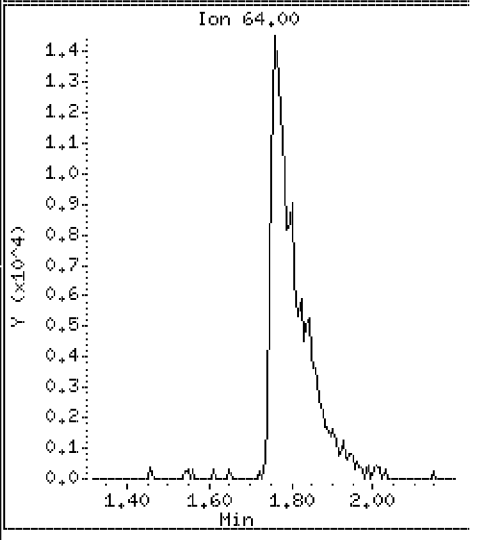












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96404.D

Date : 15-JUN-2007 16:56

Client ID: TO05MW40BBL

Instrument: vms03.i

Sample Info: 250696404;2506964;1;

Purge Volume: 5.0

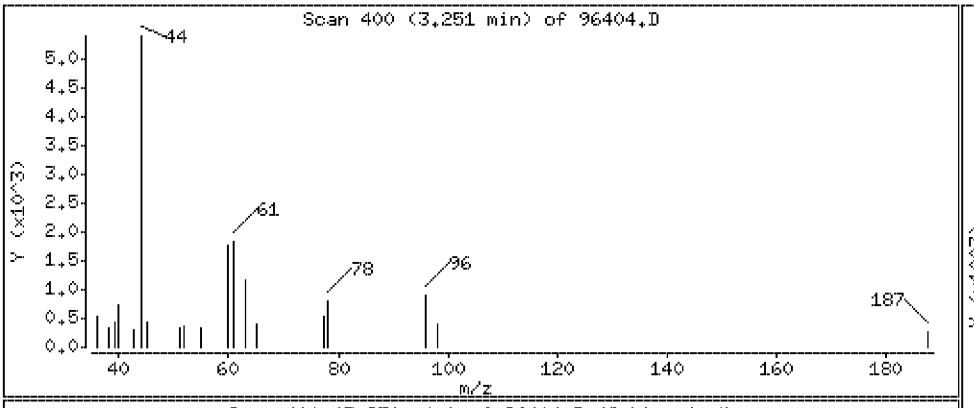
Operator:

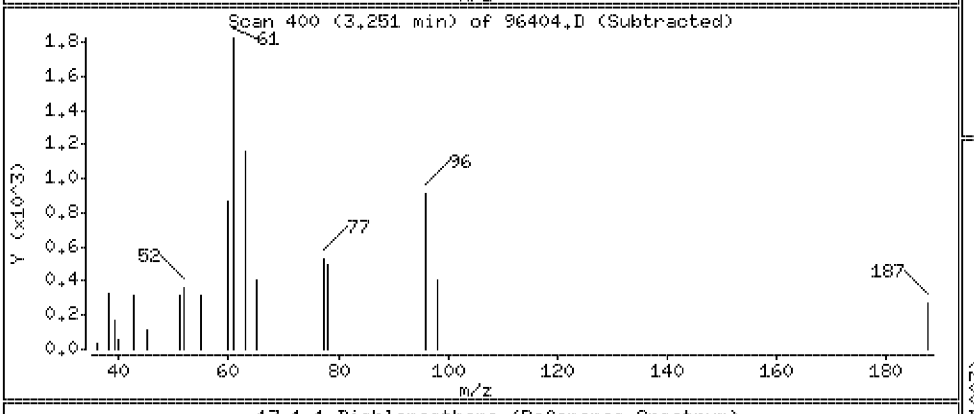
Column phase: DB-624

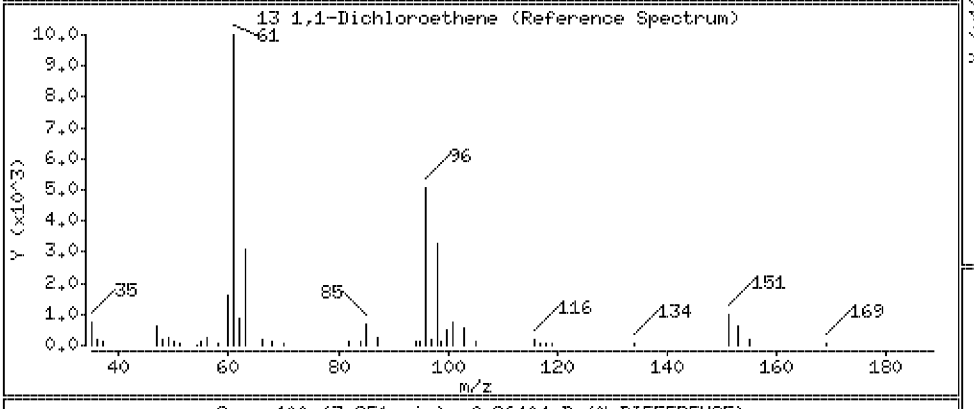
Column diameter: 0.18

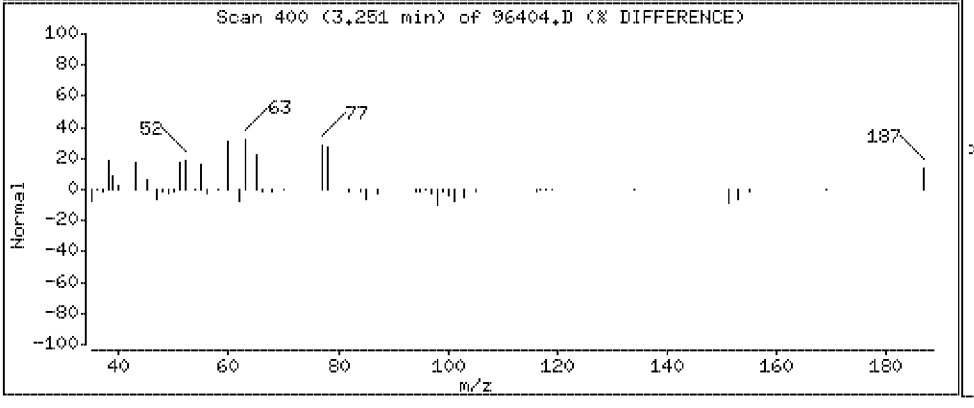
13 1,1-Dichloroethene

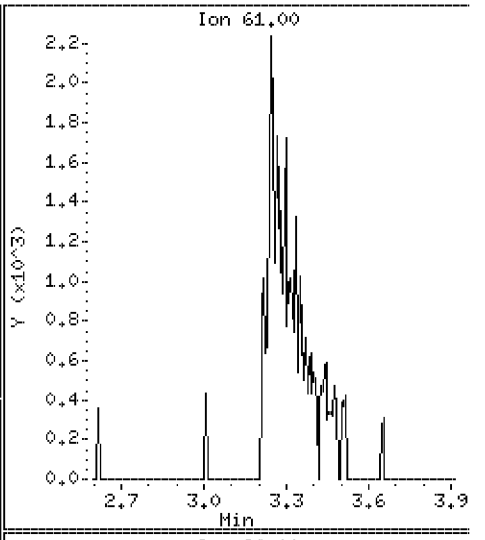
Concentration: 1.2 ug/l

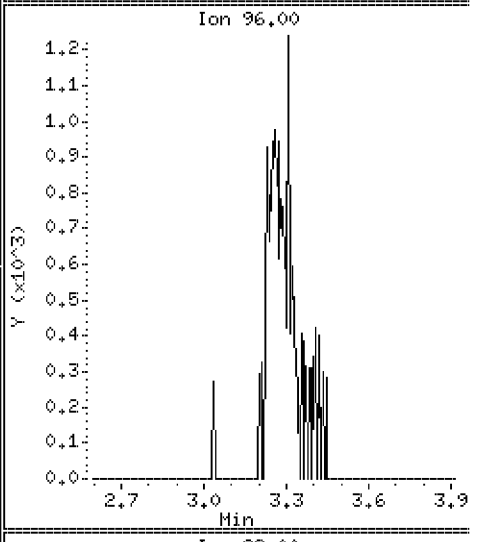


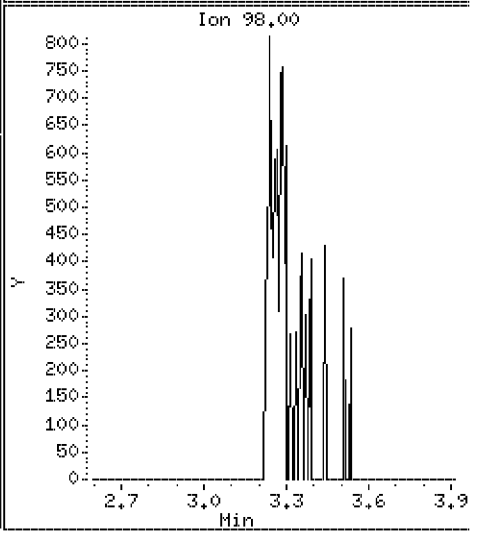












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96404.D

Date : 15-JUN-2007 16:56

Client ID: TO05MW40BBL

Instrument: vms03.i

Sample Info: 250696404;2506964;1;

Purge Volume: 5.0

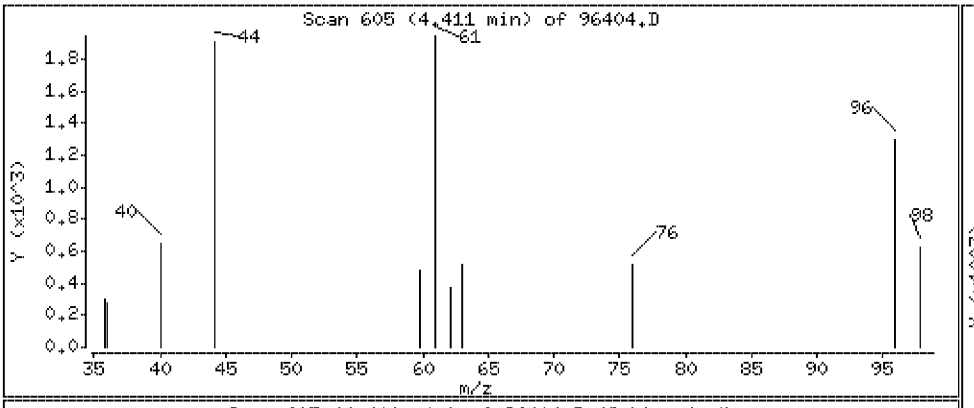
Operator:

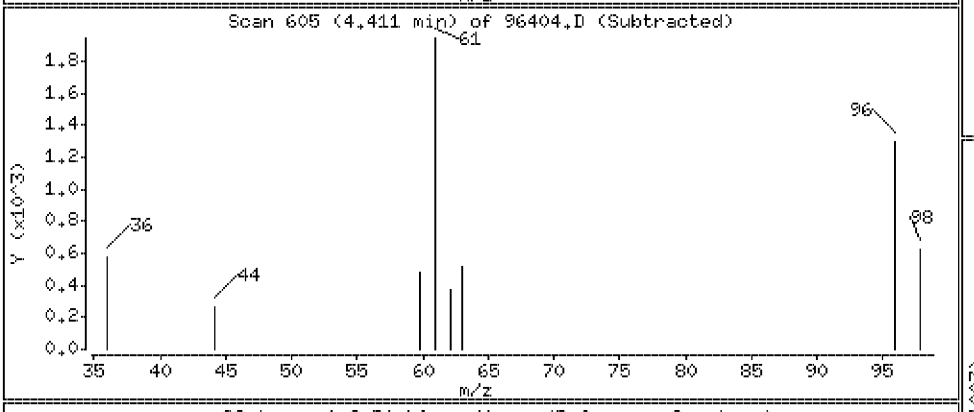
Column phase: DB-624

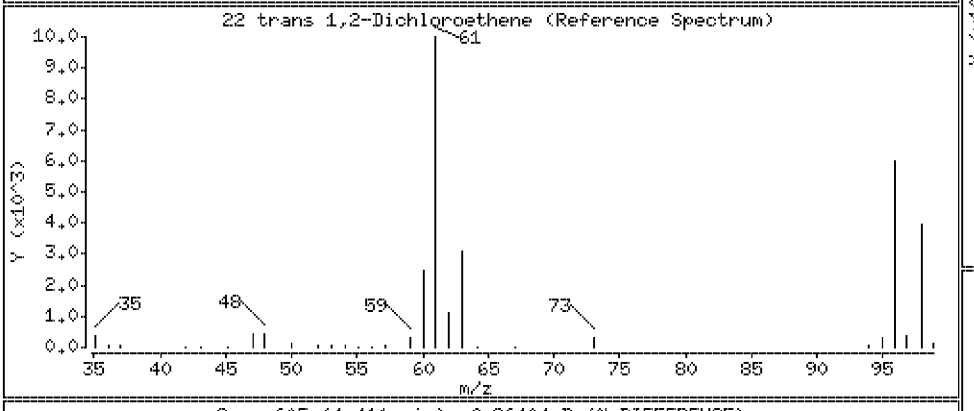
Column diameter: 0.18

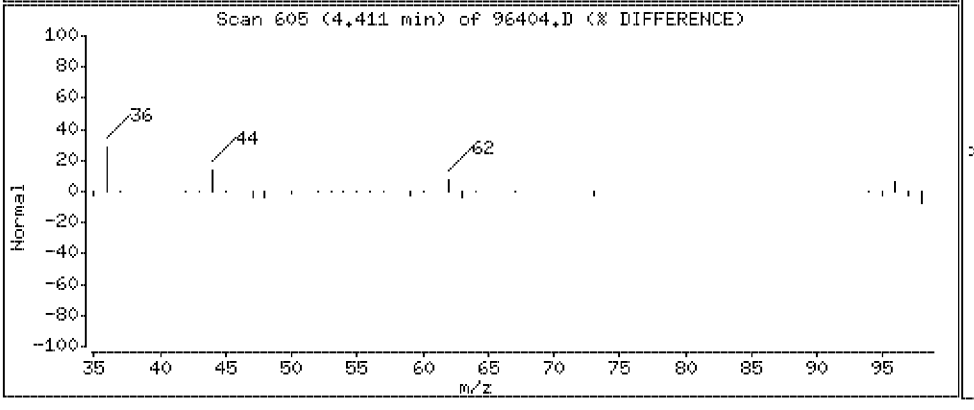
22 trans 1,2-Dichloroethene

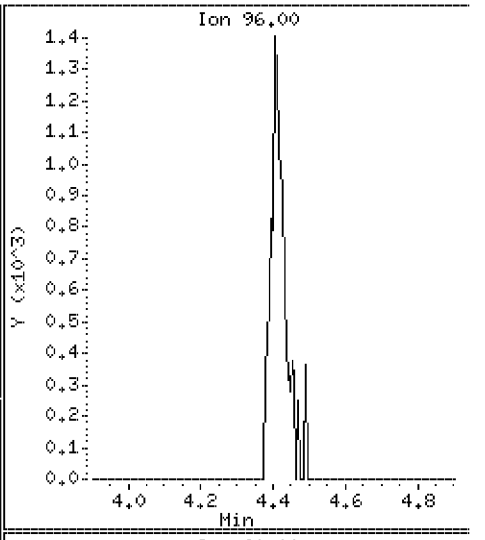
Concentration: 0.54 ug/l

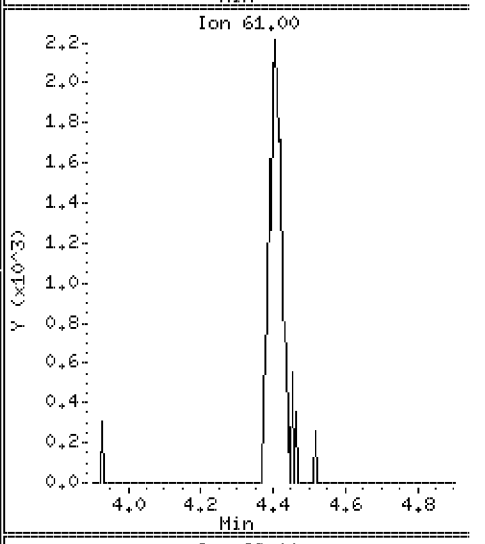


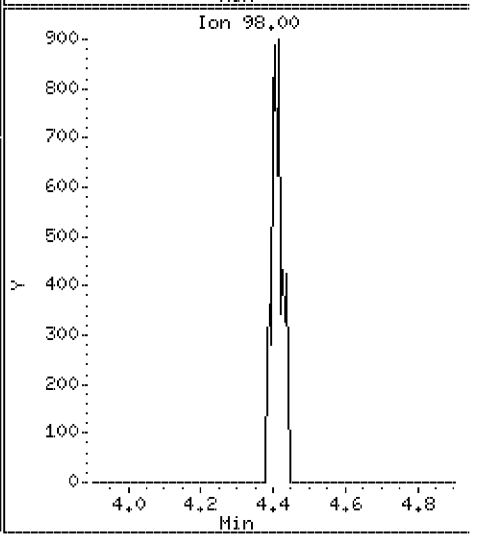












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96404.D

Date : 15-JUN-2007 16:56

Client ID: TO05MW40BBL

Instrument: vms03.i

Sample Info: 250696404;2506964;1;

Purge Volume: 5.0

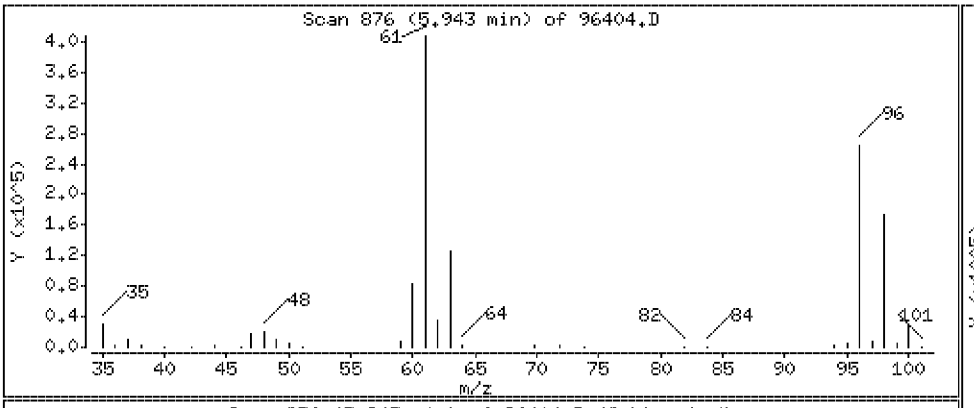
Operator:

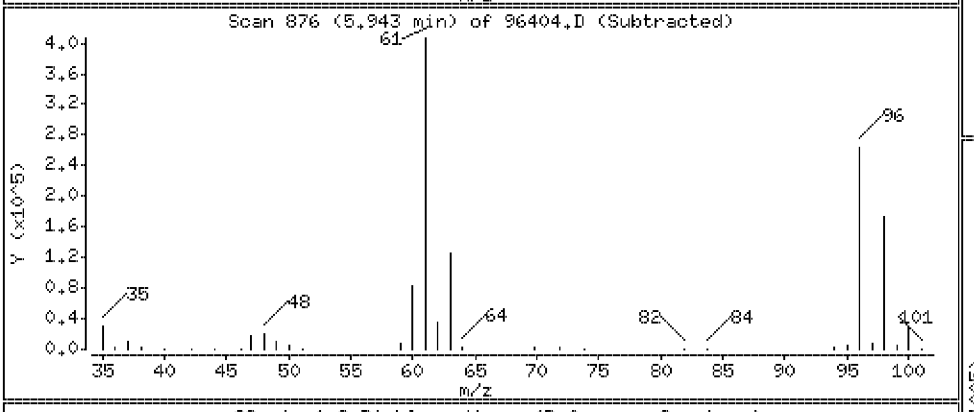
Column phase: DB-624

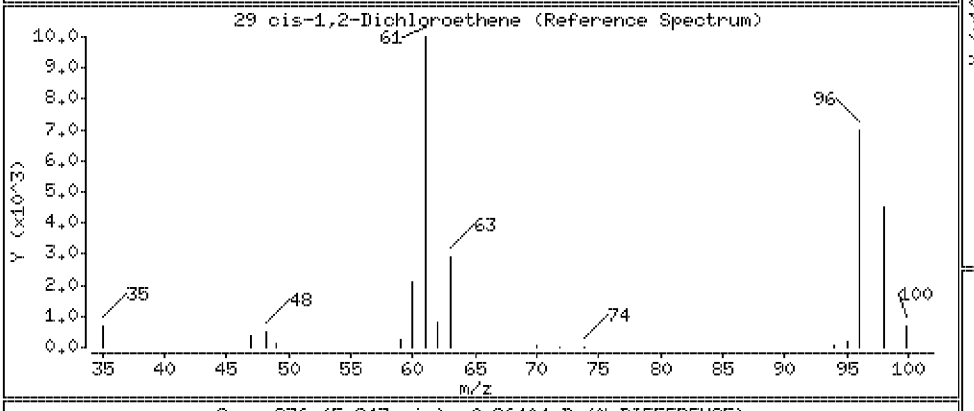
Column diameter: 0.18

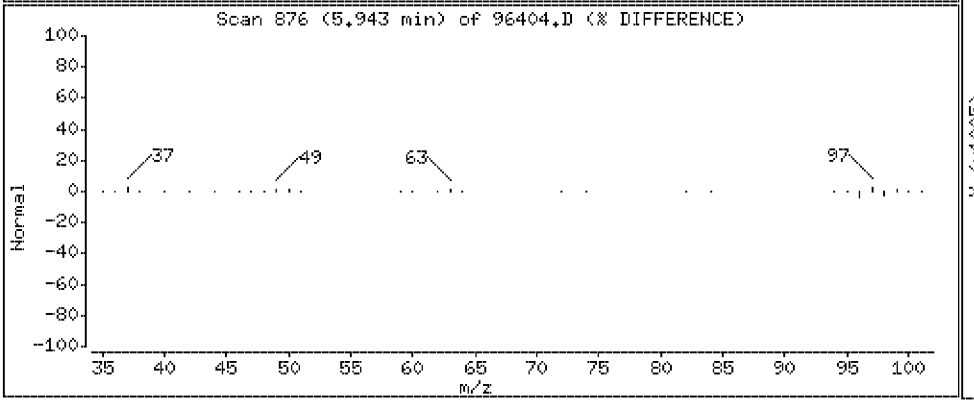
29 cis-1,2-Dichloroethene

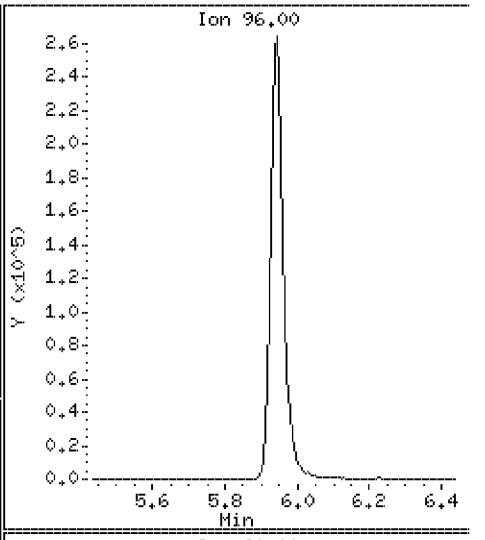
Concentration: 91.8 ug/l

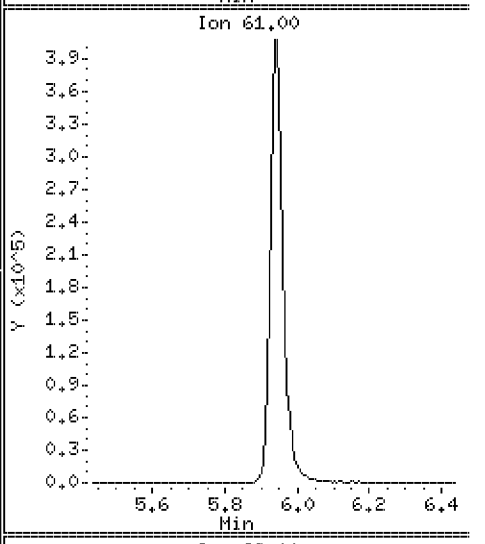


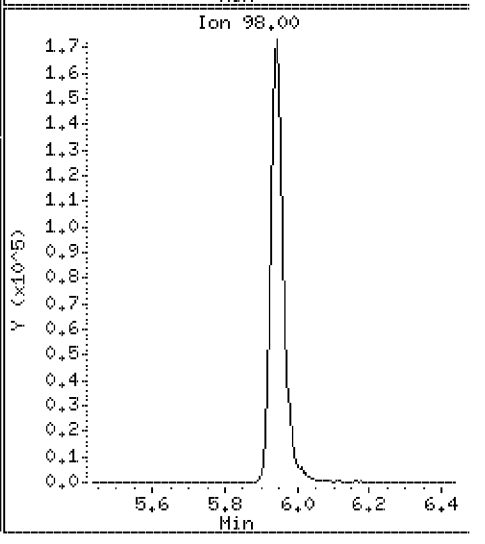












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96404.D

Date : 15-JUN-2007 16:56

Client ID: TO05MW40BBL

Instrument: vms03.i

Sample Info: 250696404;2506964;1;

Purge Volume: 5.0

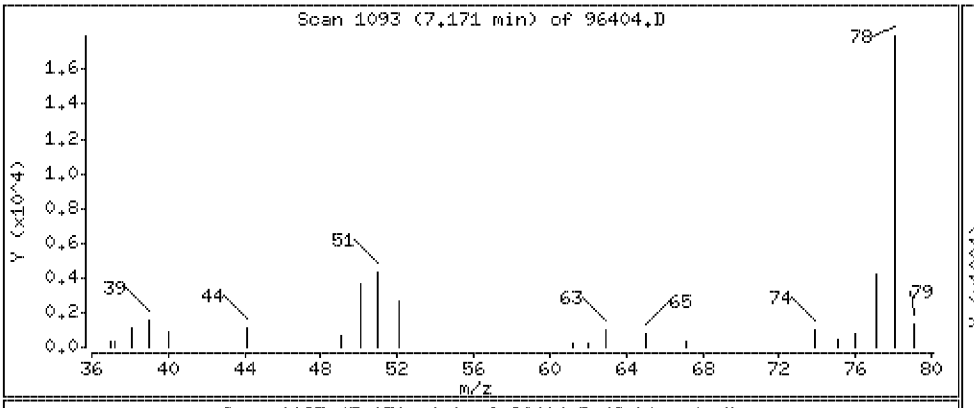
Operator:

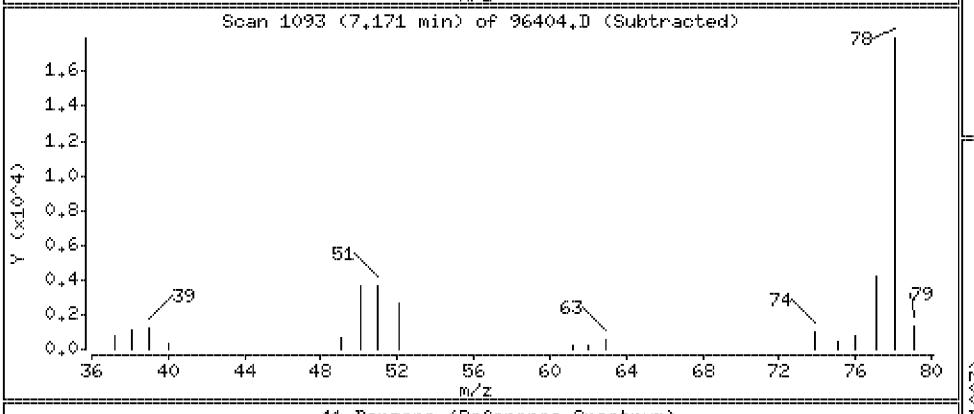
Column phase: DB-624

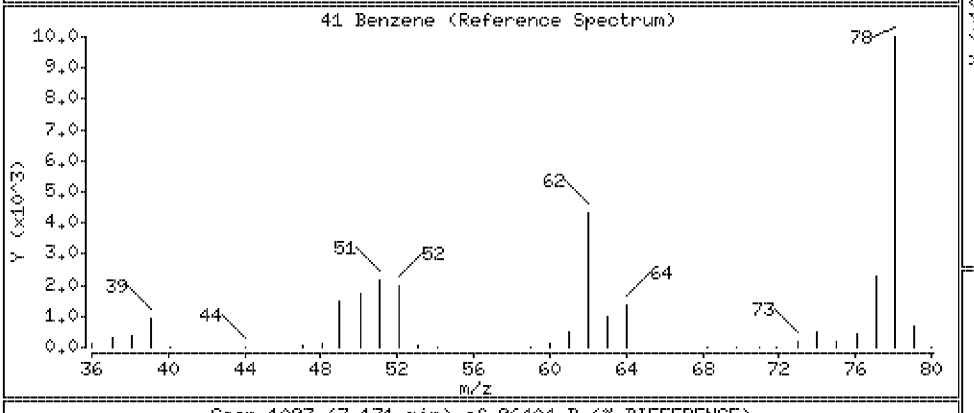
Column diameter: 0.18

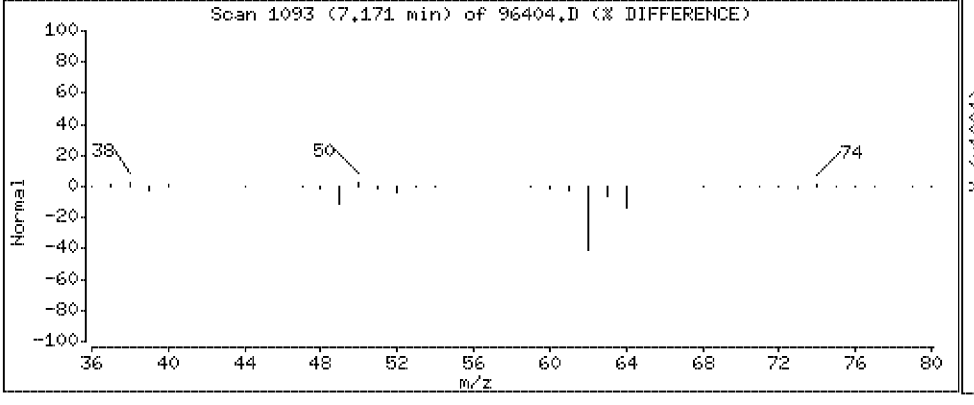
41 Benzene

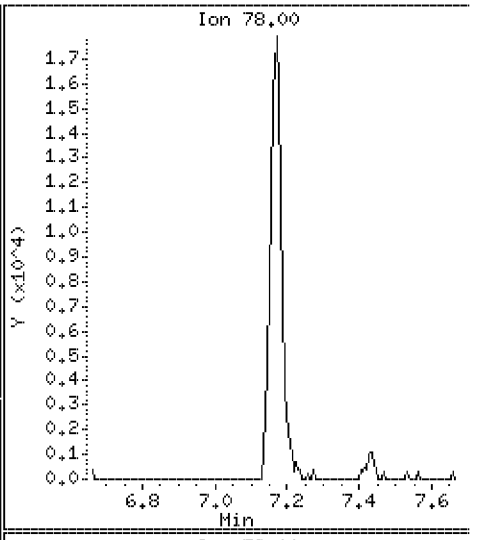
Concentration: 1.5 ug/l

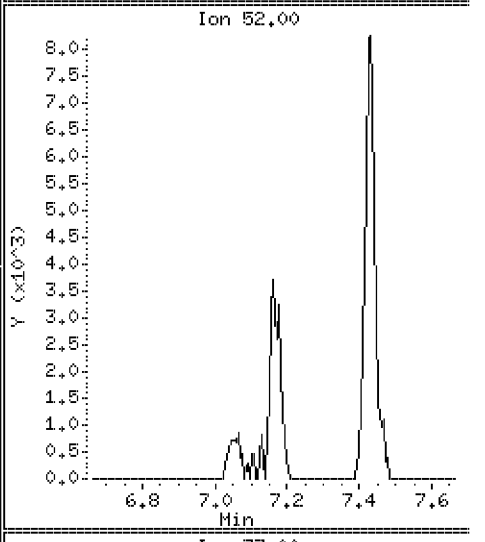


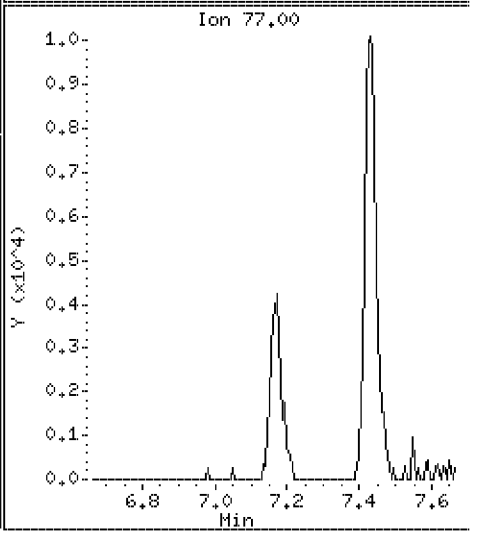












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96404.D

Date : 15-JUN-2007 16:56

Client ID: TO05MW40BBL

Instrument: vms03.i

Sample Info: 250696404;2506964;1;

Purge Volume: 5.0

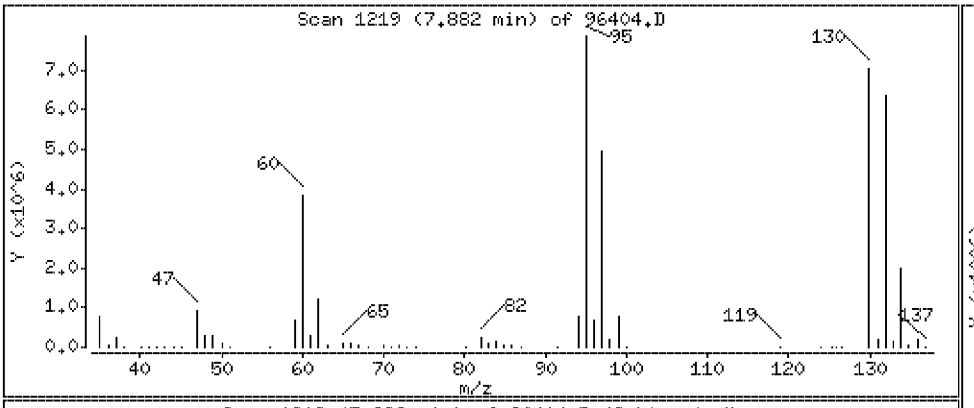
Operator:

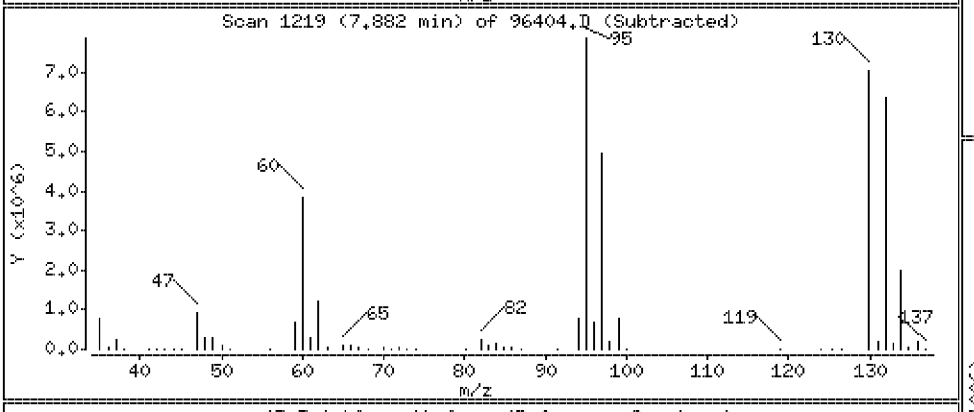
Column phase: DB-624

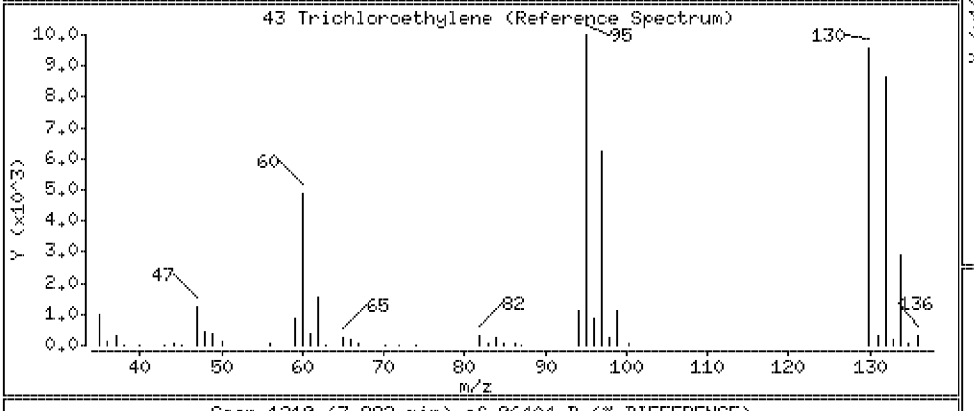
Column diameter: 0.18

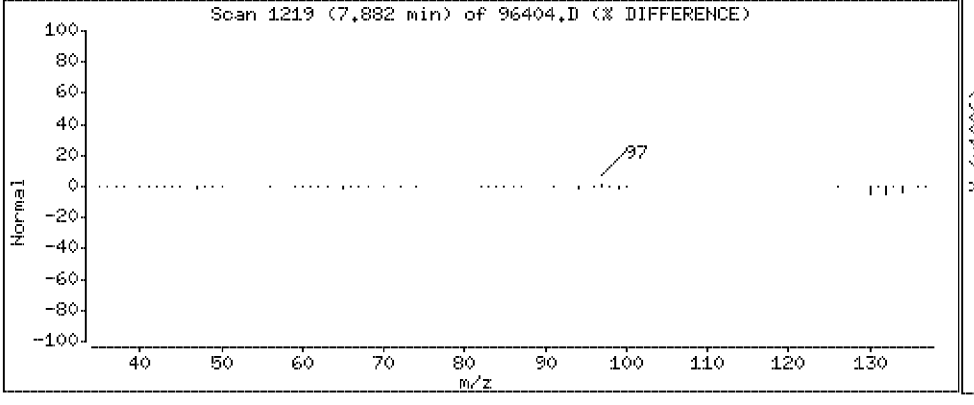
43 Trichloroethylene

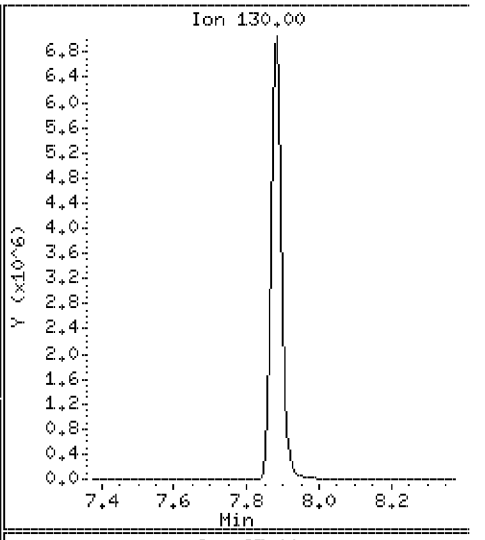
Concentration: 2120 ug/l

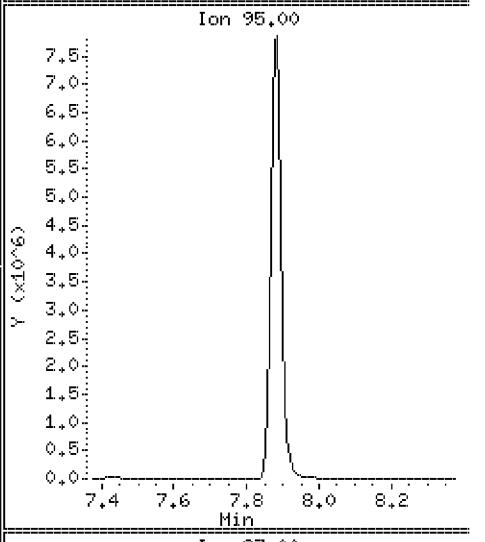


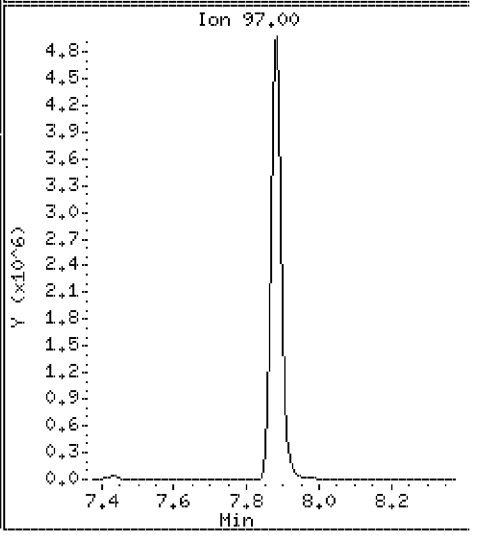












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96404.D

Date : 15-JUN-2007 16:56

Client ID: TO05MW40BBL

Instrument: vms03.i

Sample Info: 250696404;2506964;1;

Purge Volume: 5.0

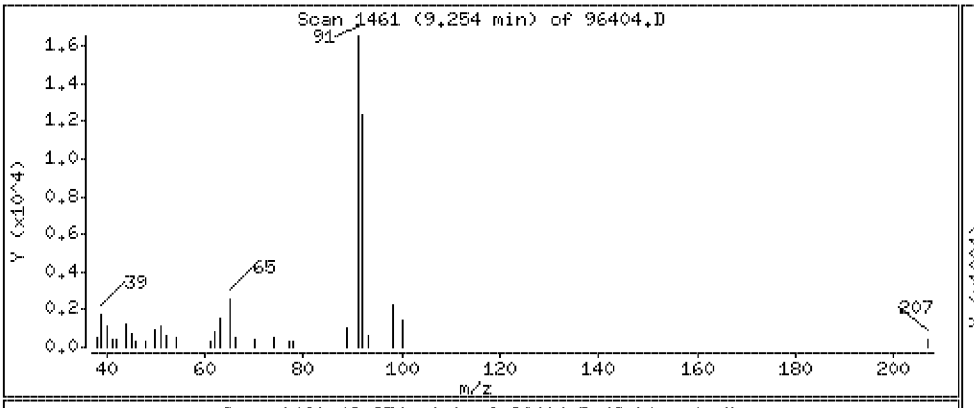
Operator:

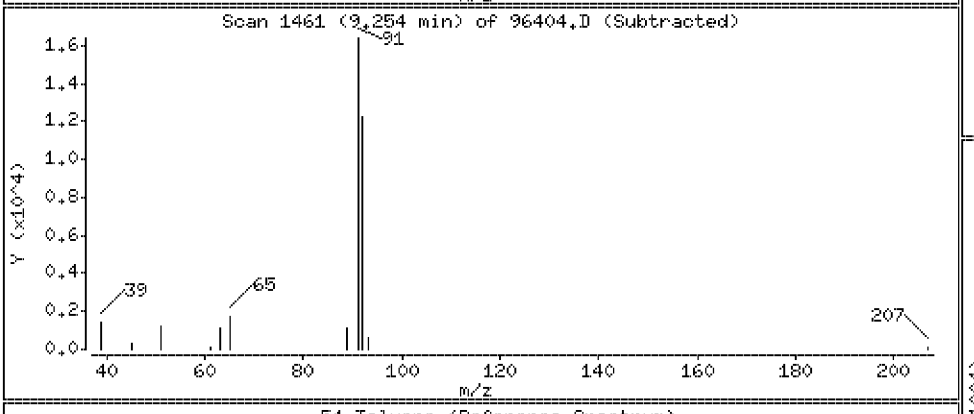
Column phase: DB-624

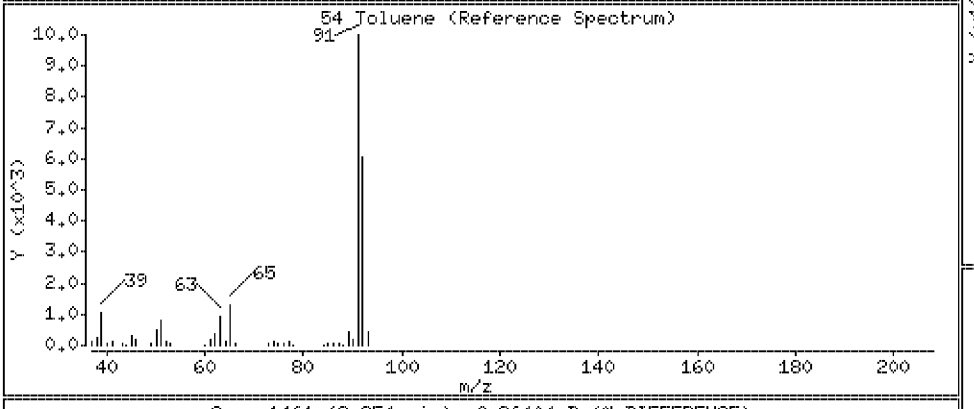
Column diameter: 0.18

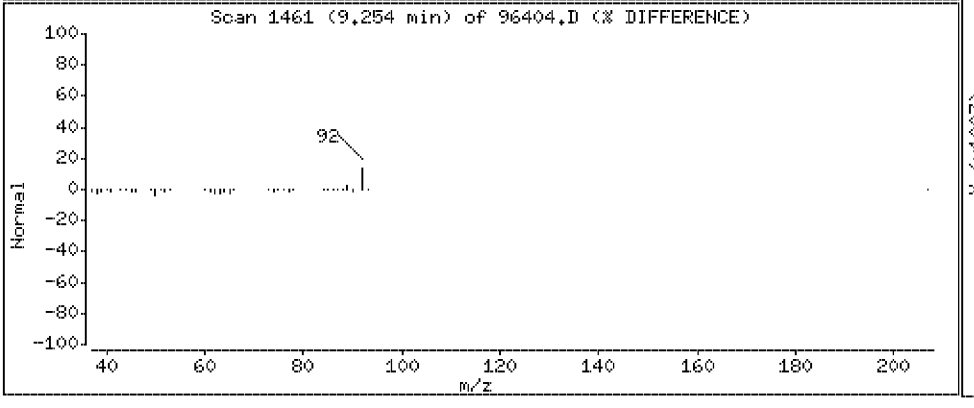
54 Toluene

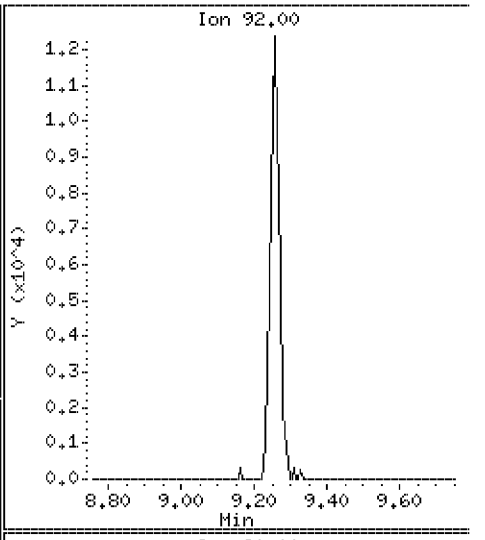
Concentration: 1.1 ug/l

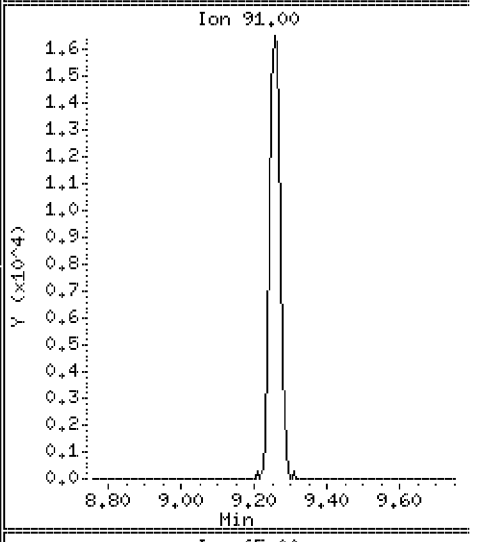


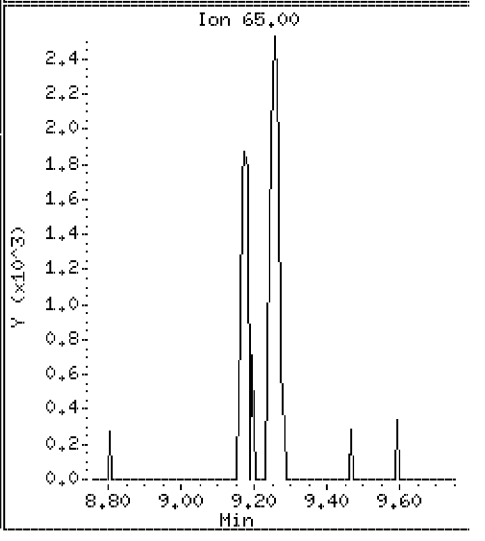












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96404.D

Date : 15-JUN-2007 16:56

Client ID: TO05MW40BBL

Instrument: vms03.i

Sample Info: 250696404;2506964;1;

Purge Volume: 5.0

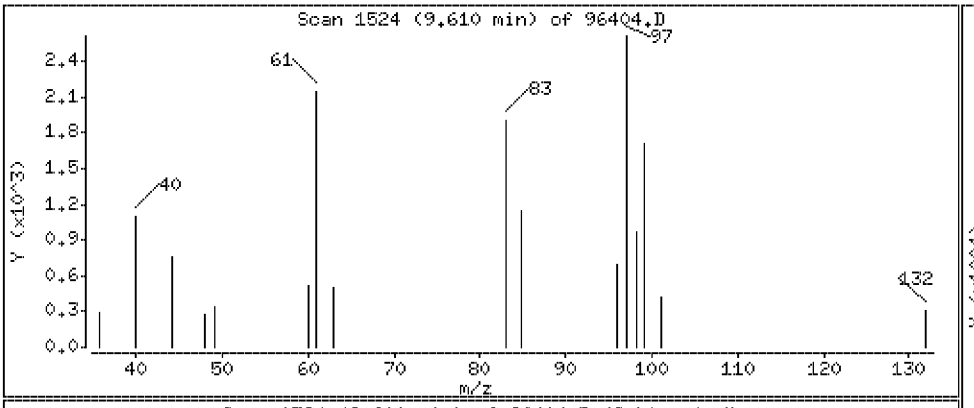
Operator:

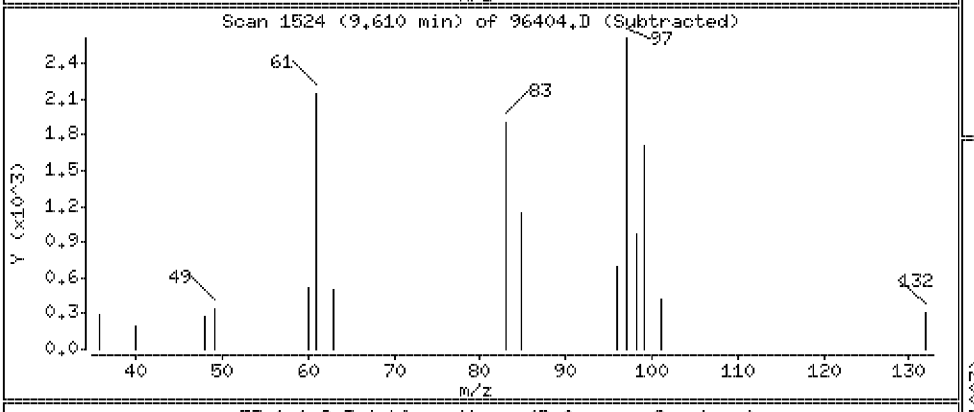
Column phase: DB-624

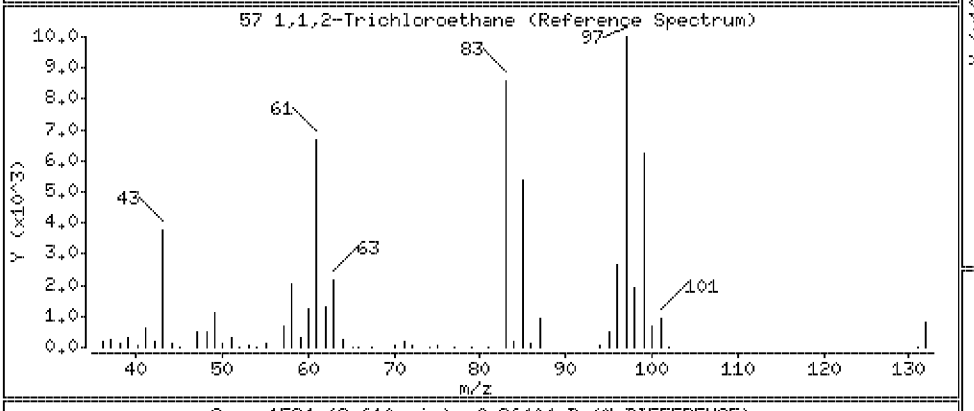
Column diameter: 0.18

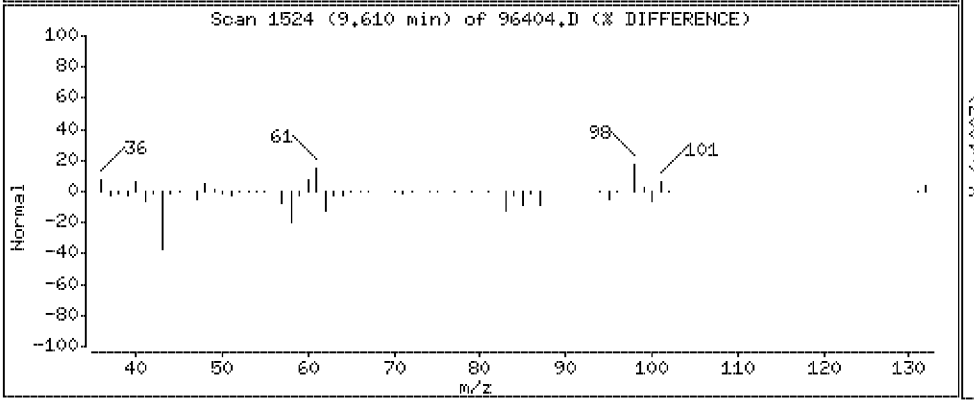
57 1,1,2-Trichloroethane

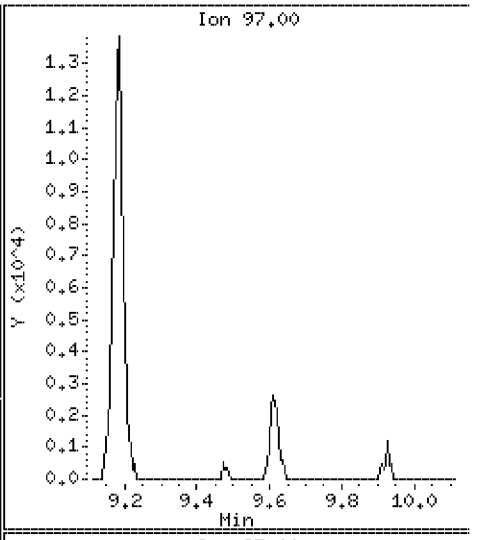
Concentration: 0.70 ug/l

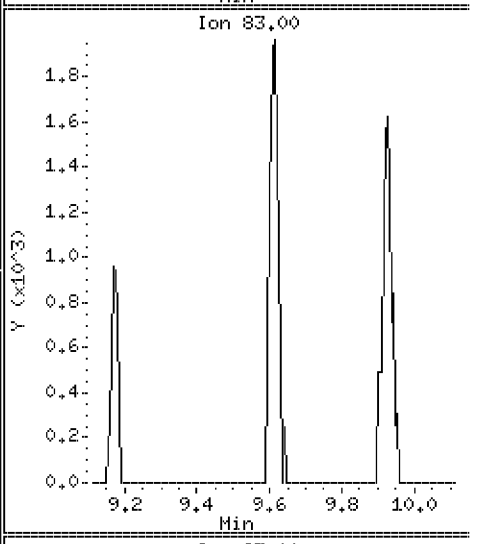


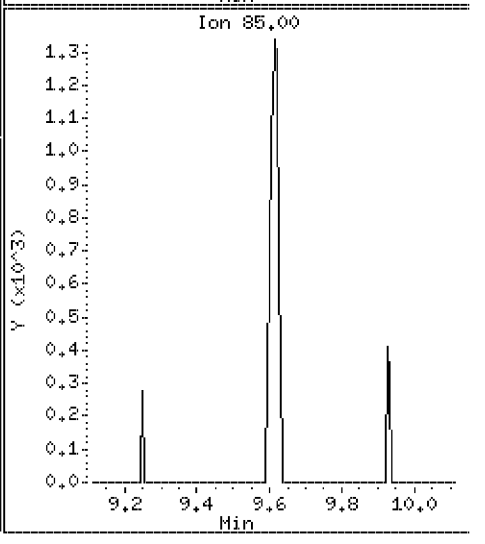












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96404.D

Date : 15-JUN-2007 16:56

Client ID: TO05MW40BBL

Instrument: vms03.i

Sample Info: 250696404;2506964;1;

Purge Volume: 5.0

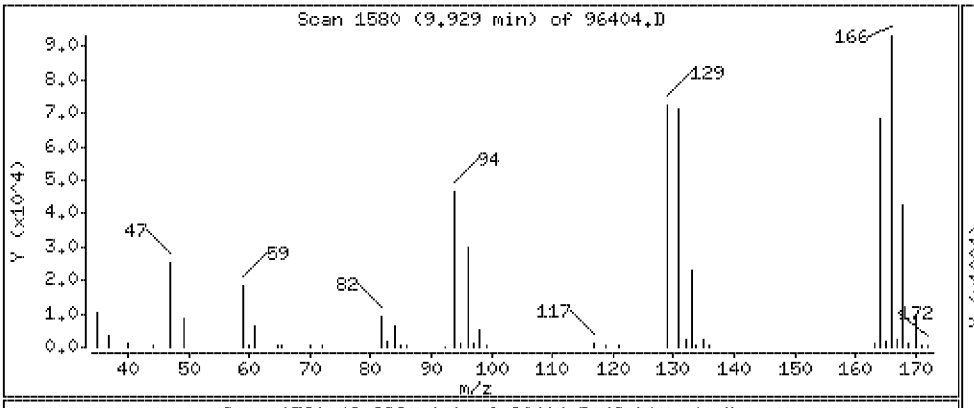
Operator:

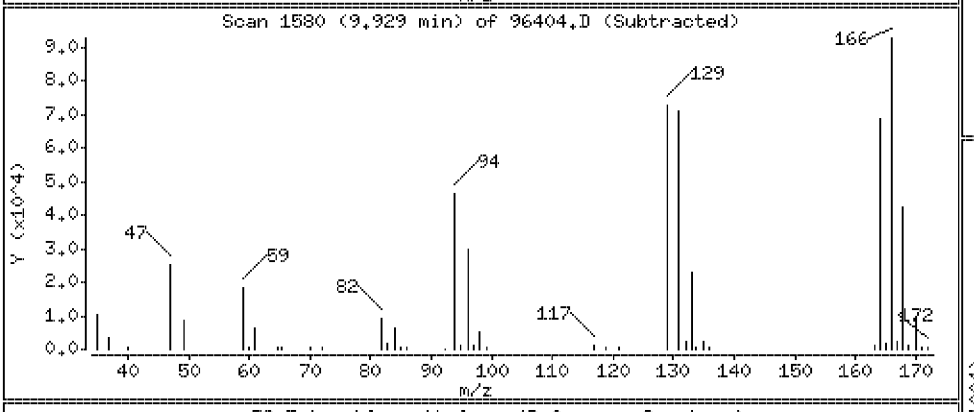
Column phase: DB-624

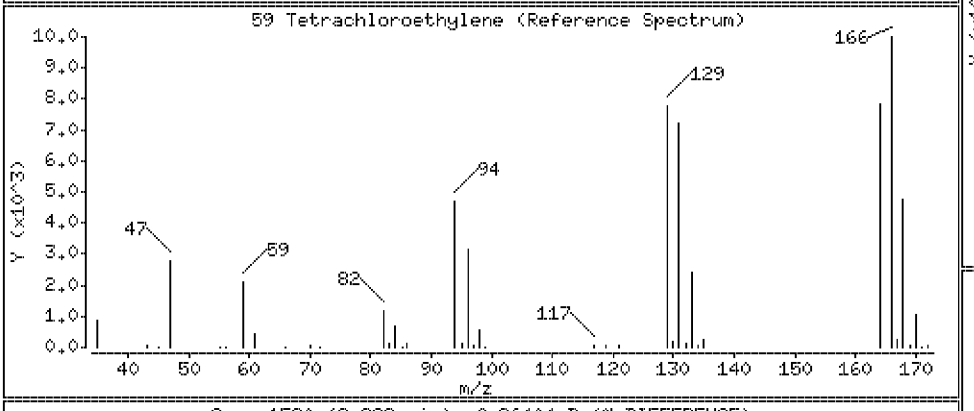
Column diameter: 0.18

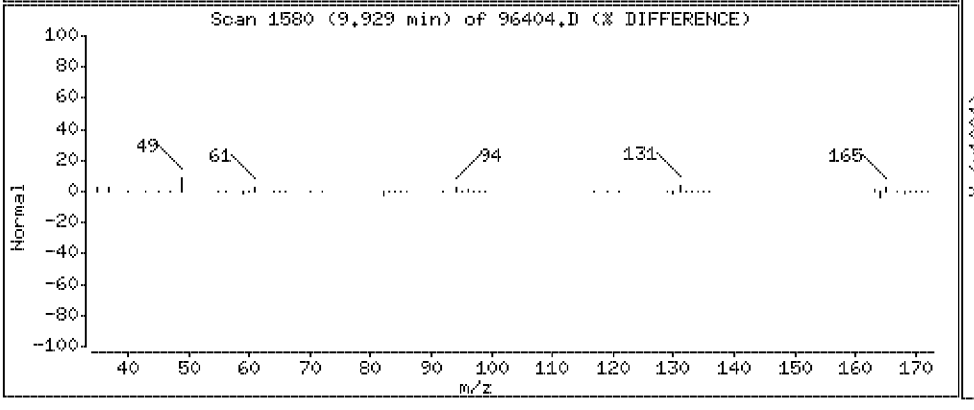
59 Tetrachloroethylene

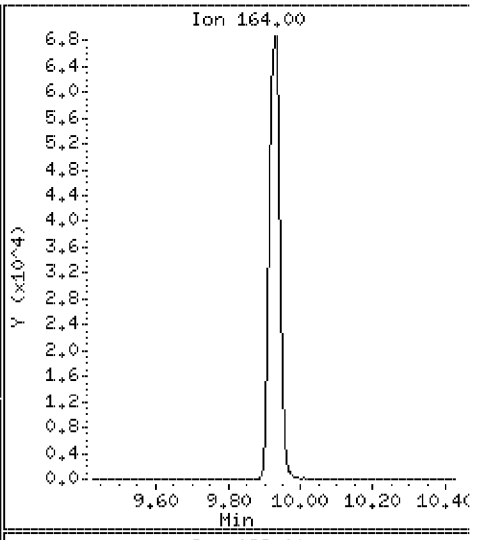
Concentration: 22.6 ug/l

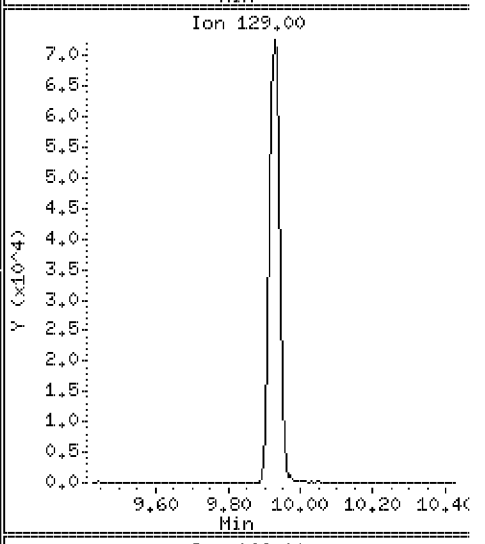


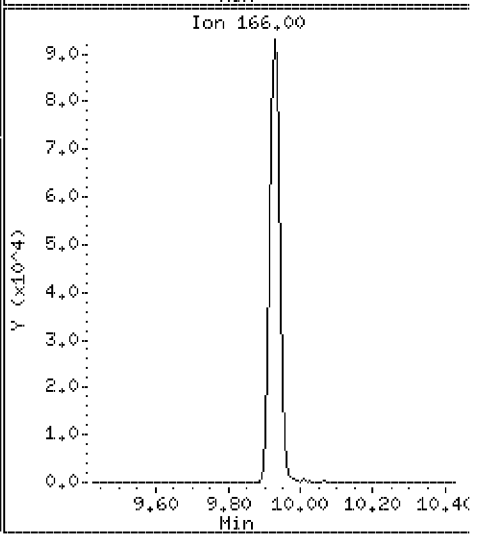












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96404.D

Date : 15-JUN-2007 16:56

Client ID: TO05MW40BBL

Instrument: vms03.i

Sample Info: 250696404;2506964;1;

Purge Volume: 5.0

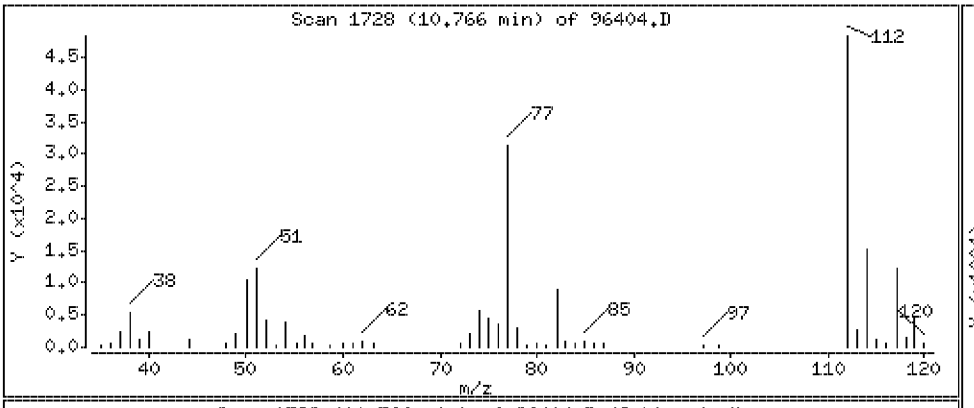
Operator:

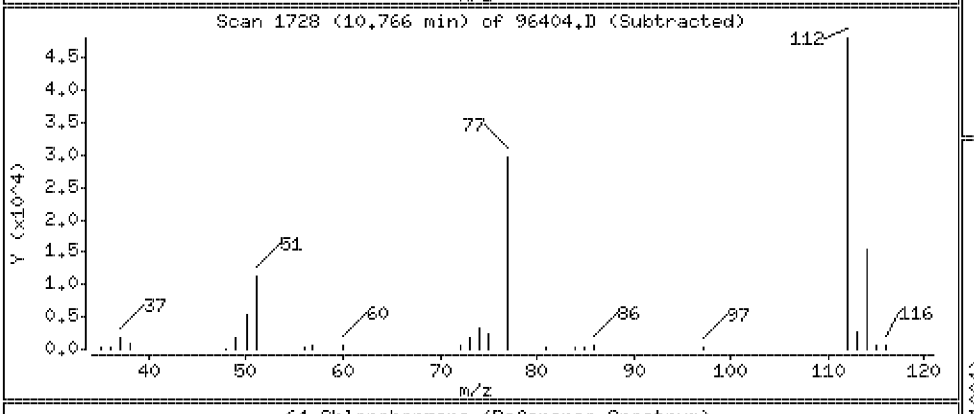
Column phase: DB-624

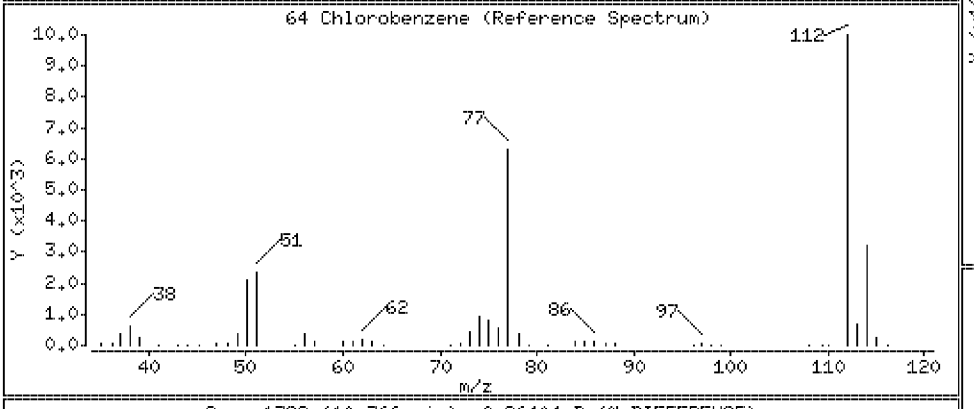
Column diameter: 0.18

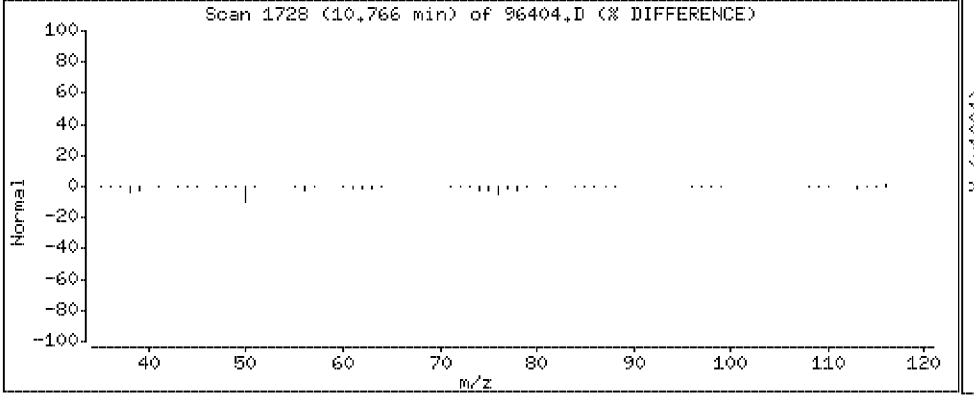
64 Chlorobenzene

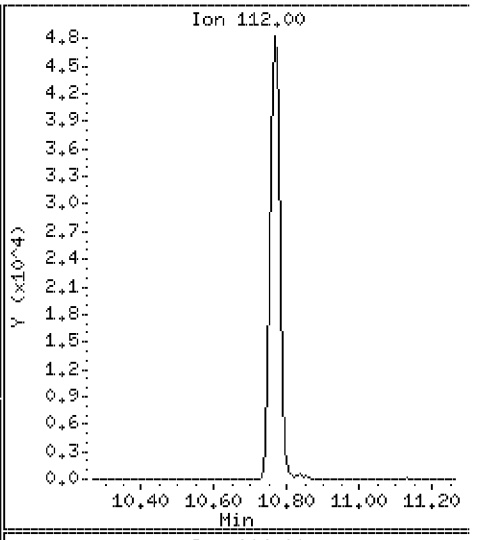
Concentration: 4.0 ug/l

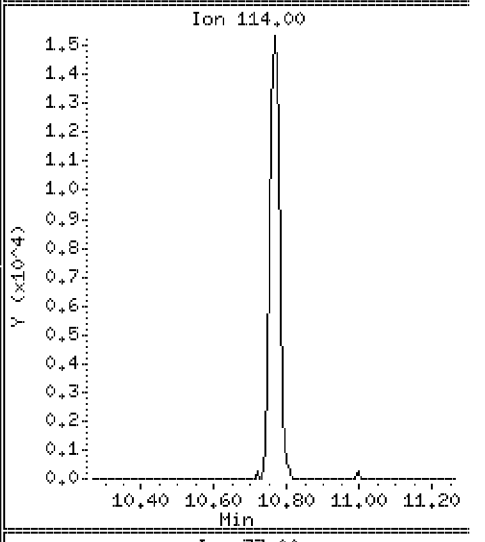


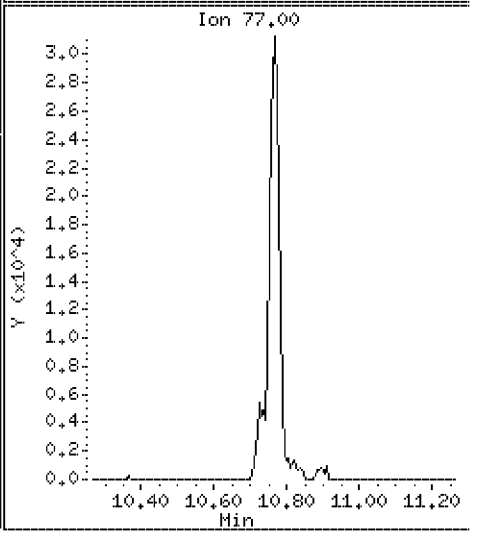












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96404.D

Date : 15-JUN-2007 16:56

Client ID: TO05MW40BBL

Instrument: vms03.i

Sample Info: 250696404;2506964;1;

Purge Volume: 5.0

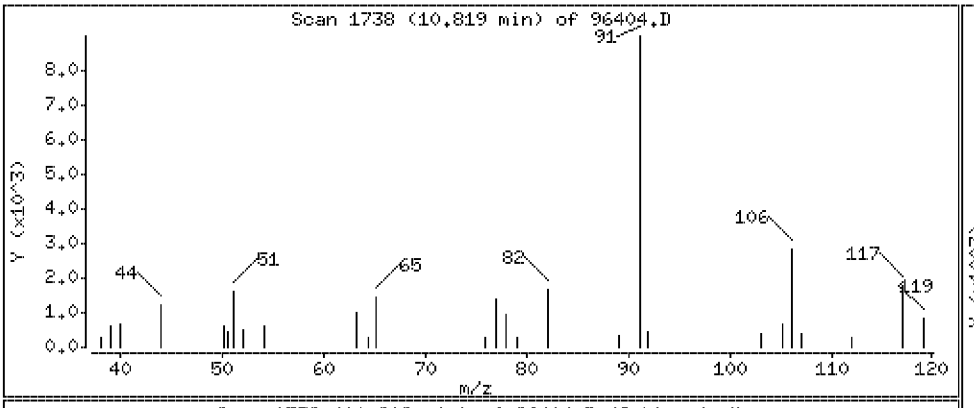
Operator:

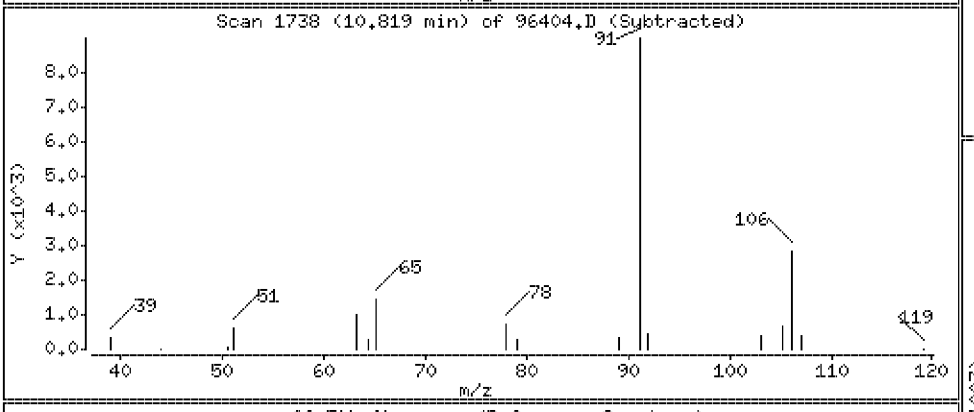
Column phase: DB-624

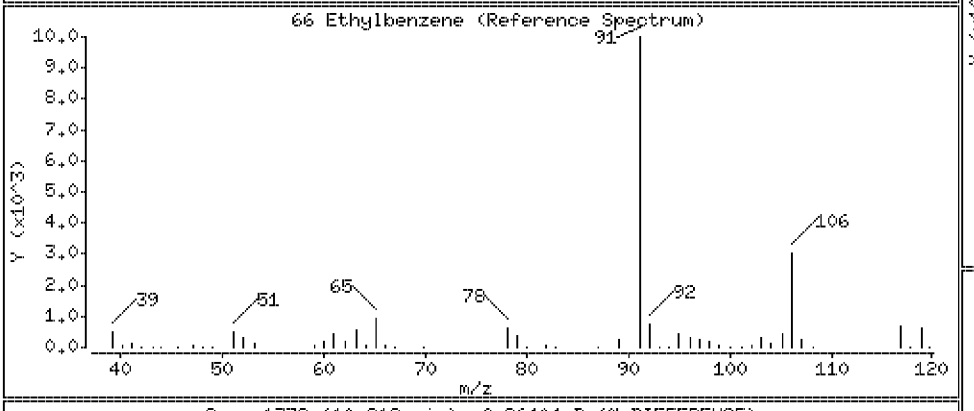
Column diameter: 0.18

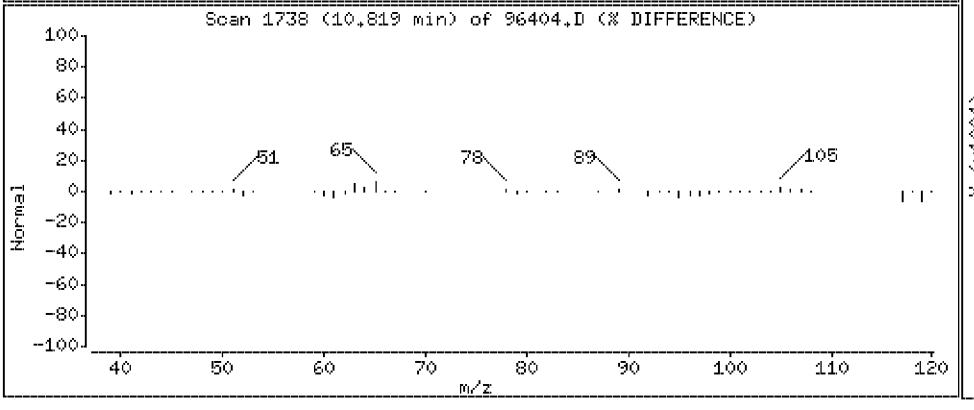
66 Ethylbenzene

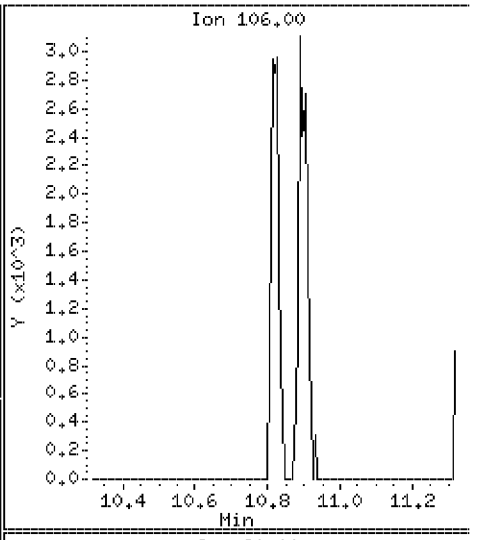
Concentration: 0.46 ug/l

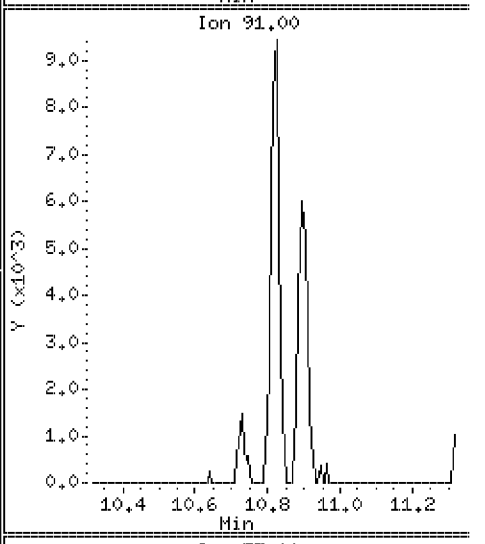


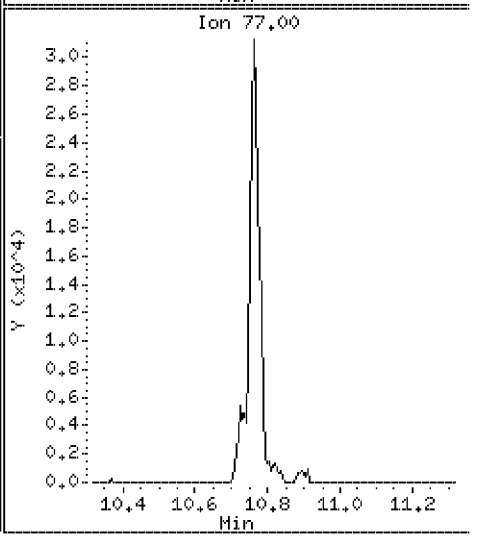












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96404.D

Date : 15-JUN-2007 16:56

Client ID: TO05MW40BBL

Instrument: vms03.i

Sample Info: 250696404;2506964;1;

Purge Volume: 5.0

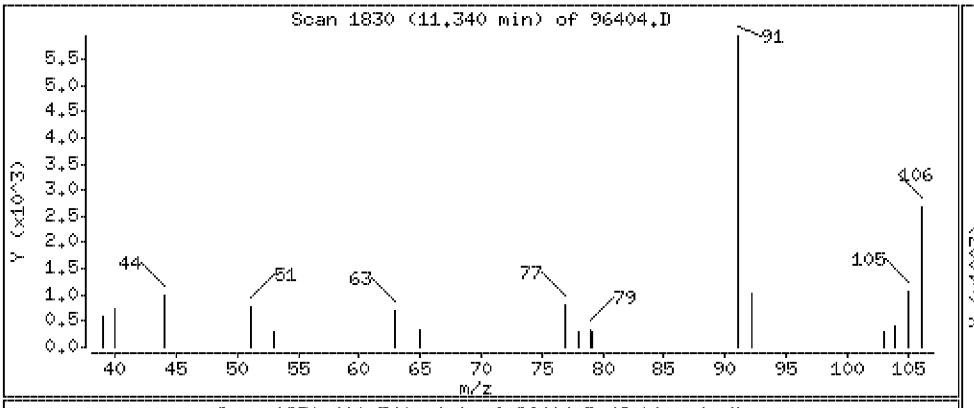
Operator:

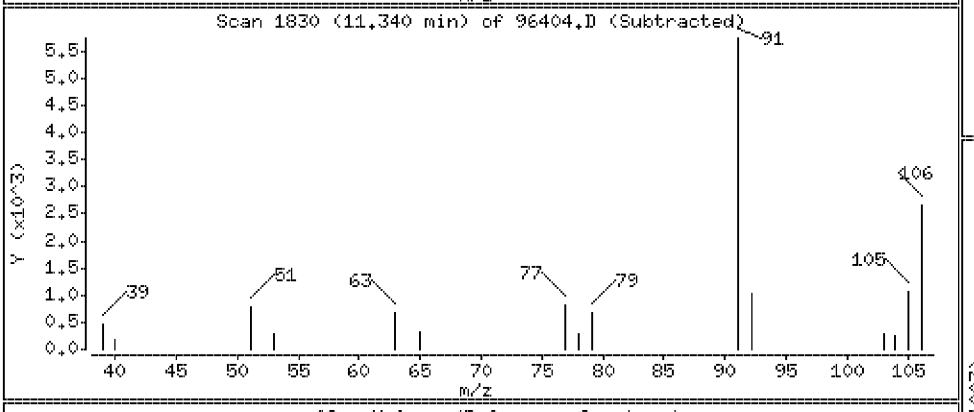
Column phase: DB-624

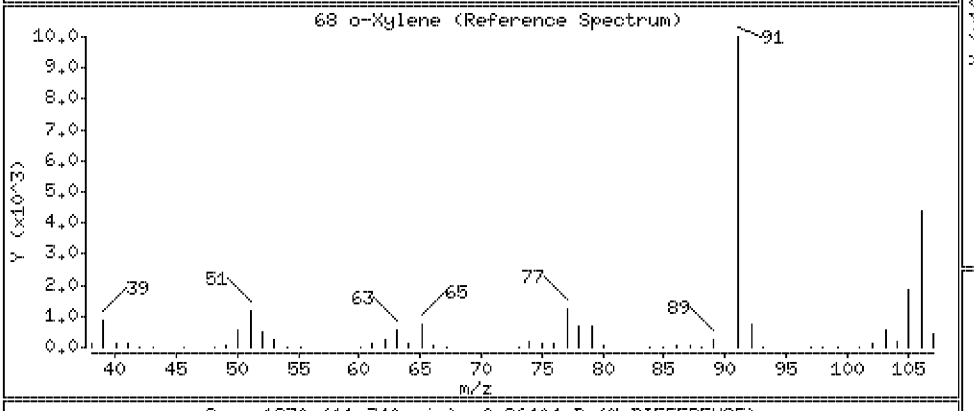
Column diameter: 0.18

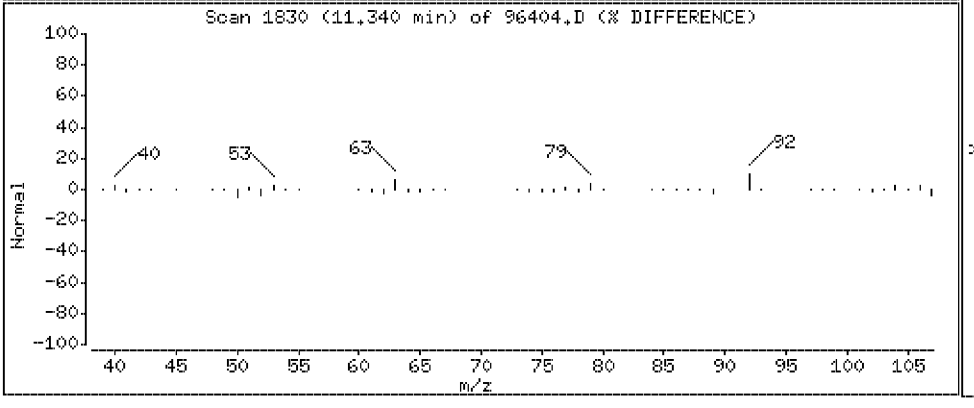
68 o-Xylene

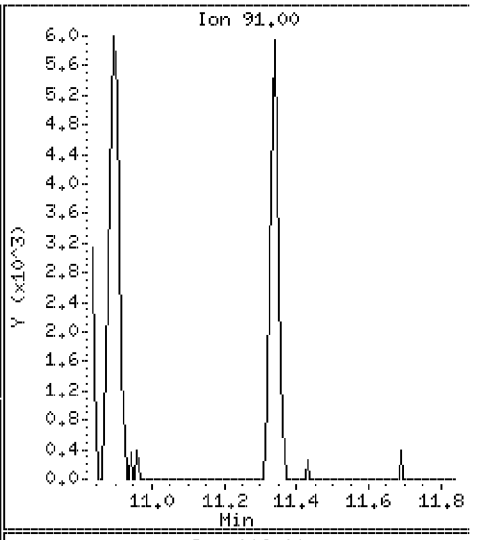
Concentration: 0.31 ug/l

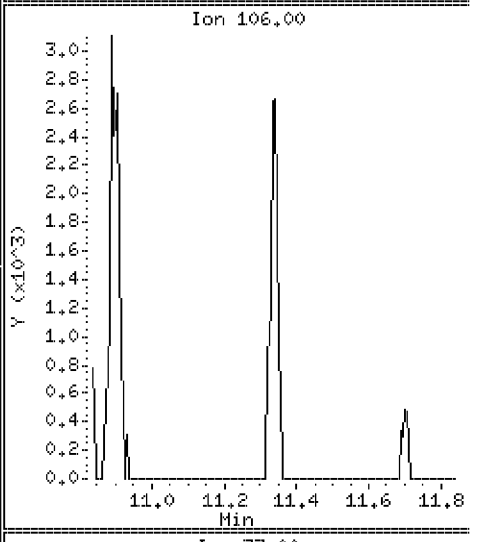


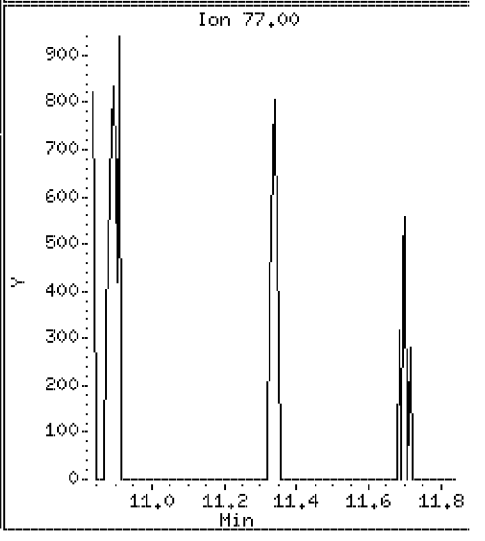












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M306150P.b\96404D.D
Lab Smp Id: 250696404 Client Smp ID: TO05MW40BBL
Inj Date : 15-JUN-2007 14:59
Operator : Inst ID: vms03.i
Smp Info : 250696404;2506964;20;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M306150P.b\8260A.m
Meth Date : 20-Jun-2007 10:26 lpelo Quant Type: ISTD
Cal Date : 15-JUN-2007 08:57 Cal File: 80PPB.D
Als bottle: 33
Dil Factor: 20.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	20.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				29946	4.07572	81.5
6 Vinyl Chloride	62	1.767	1.758	(0.238)	9124	0.82369	16.5(a)
29 cis-1,2-Dichloroethene	96	5.944	5.937	(0.800)	29946	4.07572	81.5(Q)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.438	6.430	(0.866)	337920	51.2616	51.3
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	7.057	7.051	(0.949)	76264	51.5092	51.5
* 42 FLUOROBENZENE (IS)	96	7.433	7.427	(1.000)	1227541	50.0000	
43 Trichloroethylene	130	7.880	7.875	(1.060)	714257	101.049	2020(A)
$ 53 TOLUENE d8 (surr)	98	9.174	9.170	(1.234)	1317046	50.8816	50.9
59 Tetrachloroethylene	164	9.930	9.926	(0.926)	4887	0.84941	17.0(a)
* 63 CHLOROBENZENE d5 (IS)	117	10.727	10.724	(1.000)	913621	50.0000	
64 Chlorobenzene	112	10.763	10.763	(1.003)	4811	0.22838	4.6(a)
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.953	11.951	(0.909)	519571	53.4802	53.5
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.145	13.143	(1.000)	442848	50.0000	

QC Flag Legend

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

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 96404D.D
Lab Smp Id: 250696404
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M306150P.b\8260A.m
Misc Info:

Calibration Date: 15-JUN-2007
Calibration Time: 10:18
Client Smp ID: TO05MW40BBL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1288369	644185	2576738	1227541	-4.72
63 CHLOROBENZENE d5	921152	460576	1842304	913621	-0.82
86 1,4-DICHLOROBENZE	508073	254037	1016146	442848	-12.84

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.08
63 CHLOROBENZENE d5	10.72	10.22	11.22	10.73	0.03
86 1,4-DICHLOROBENZE	13.14	12.64	13.64	13.15	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96404D.D

Date : 15-JUN-2007 14:59

Client ID: TO05MW40BBL

Instrument: vms03.i

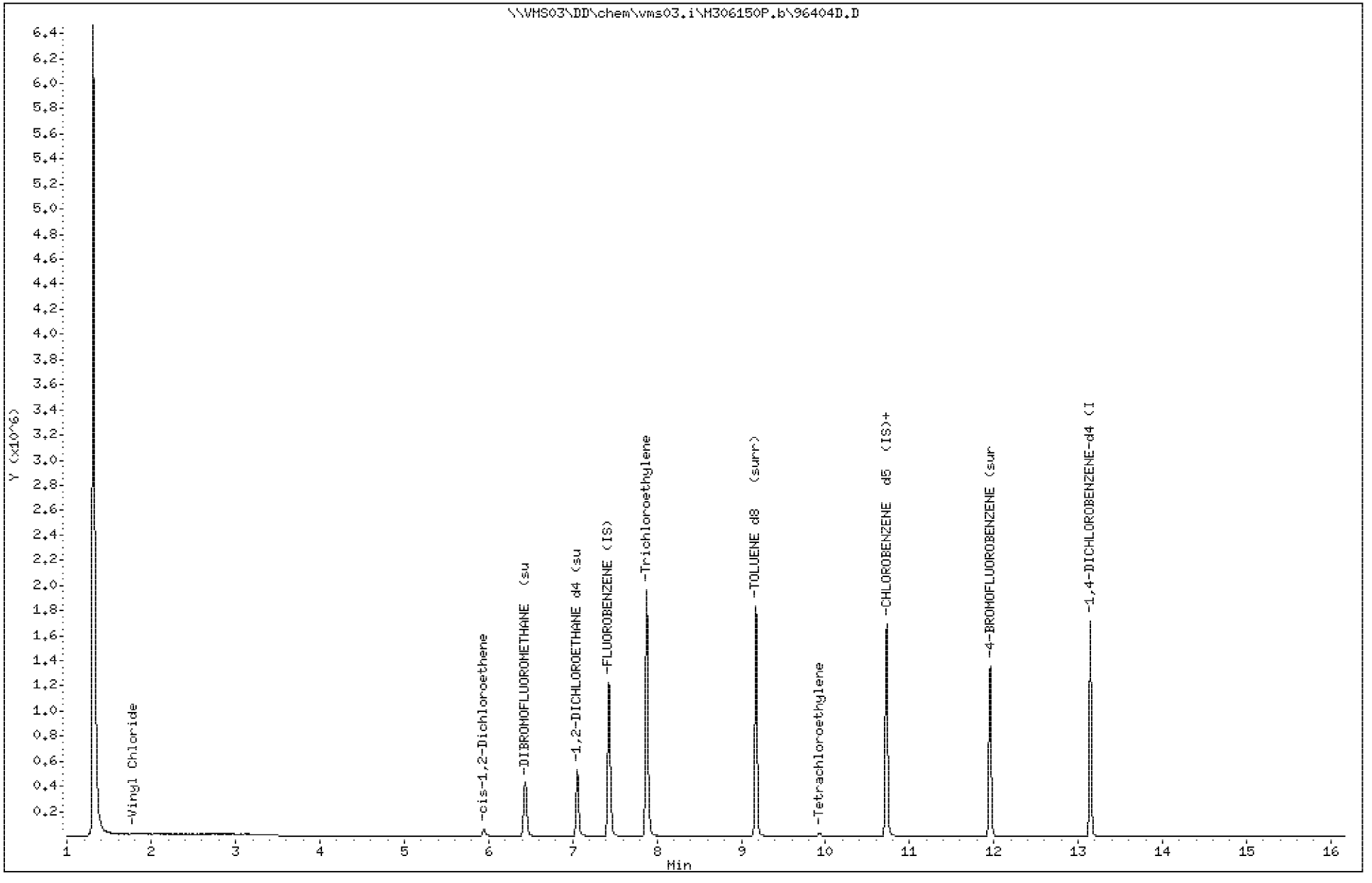
Sample Info: 250696404;2506964;20;

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



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Date : 15-JUN-2007 14:59

Client ID: TO05MW40BBL

Instrument: vms03.i

Sample Info: 250696404;2506964;20;

Purge Volume: 5.0

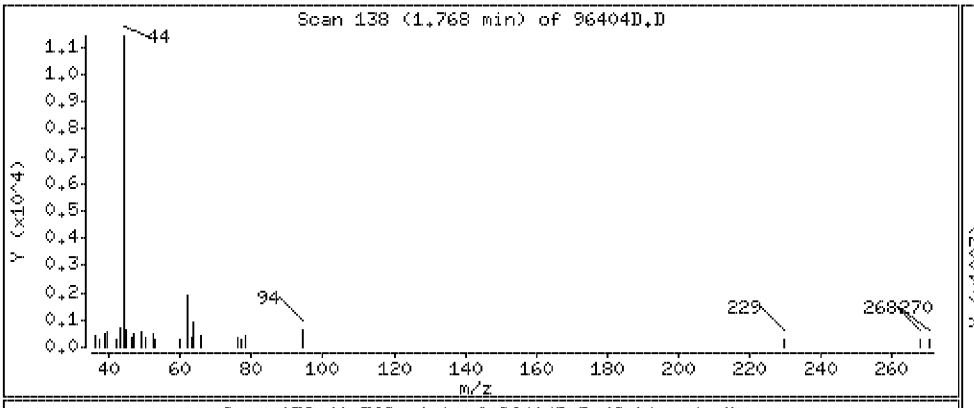
Operator:

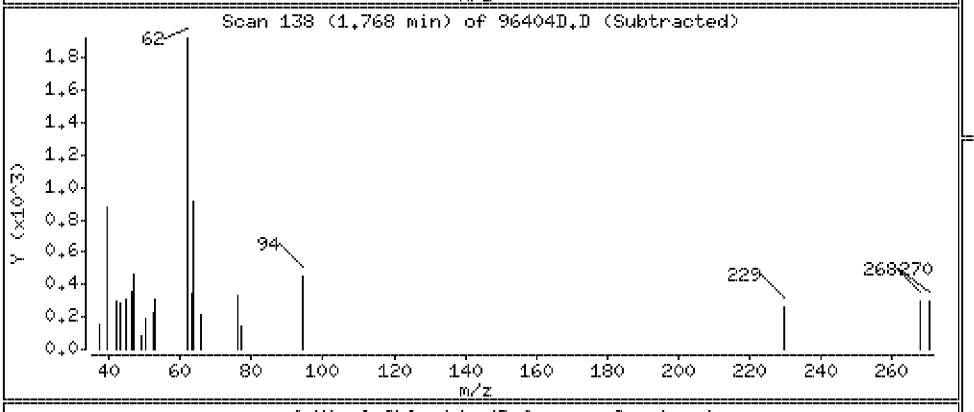
Column phase: DB-624

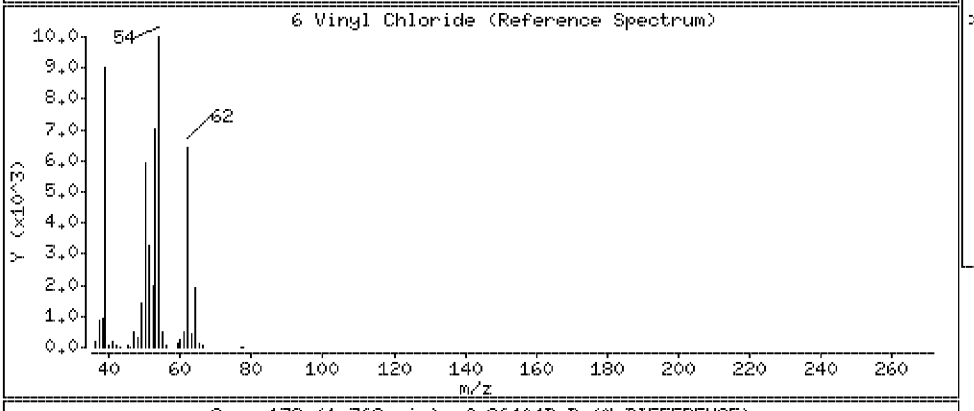
Column diameter: 0.18

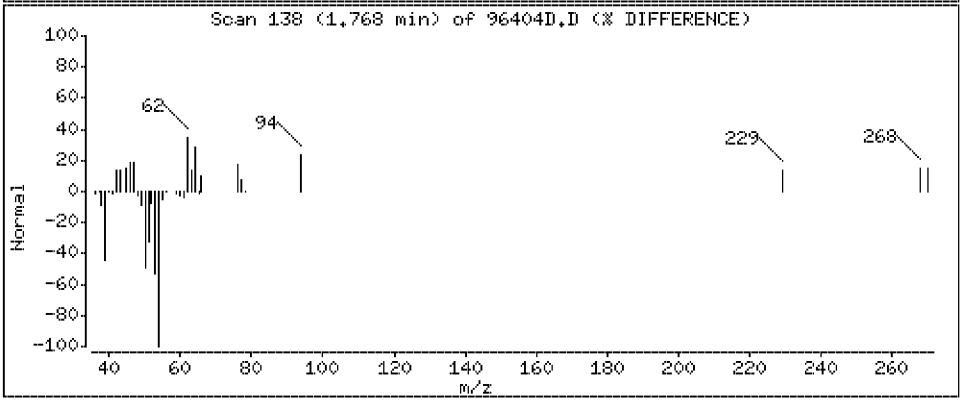
6 Vinyl Chloride

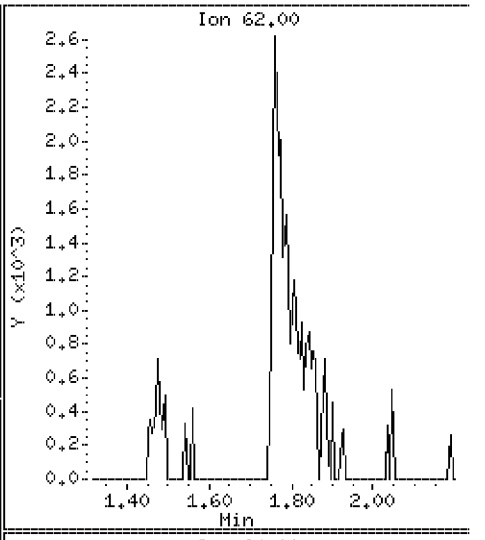
Concentration: 16.5 ug/l

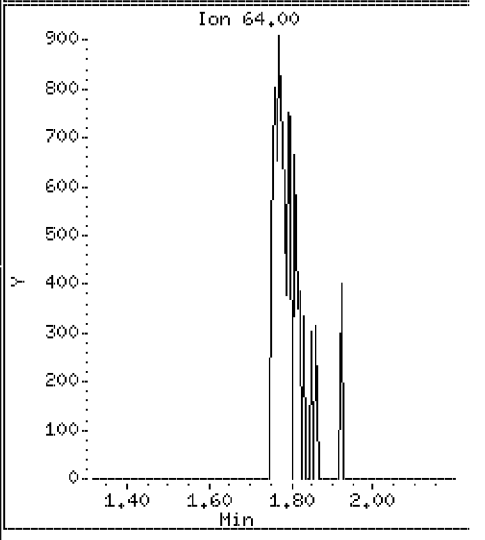












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96404D.D

Date : 15-JUN-2007 14:59

Client ID: TO05MW40BBL

Instrument: vms03.i

Sample Info: 250696404;2506964;20;

Purge Volume: 5.0

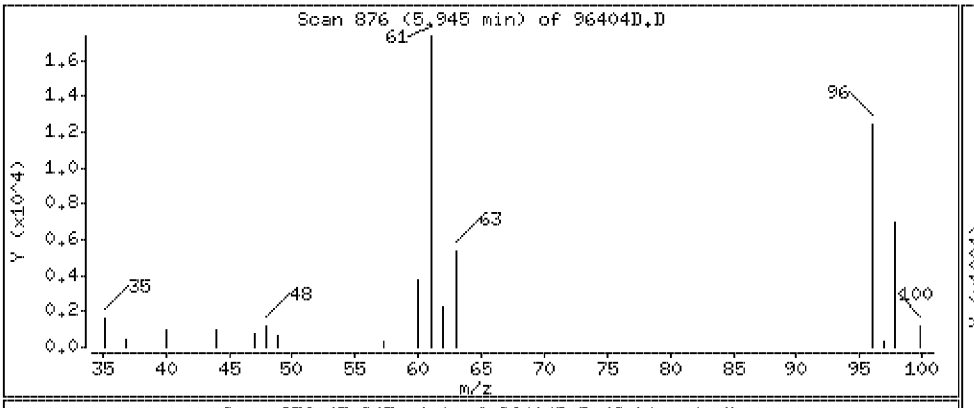
Operator:

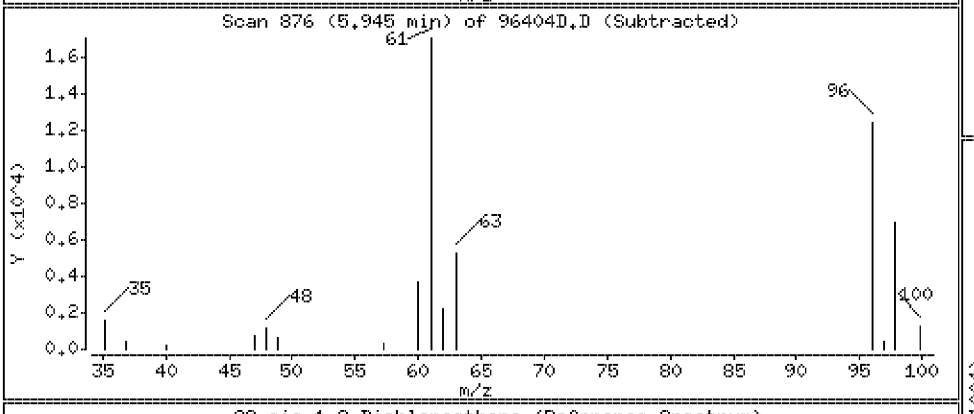
Column phase: DB-624

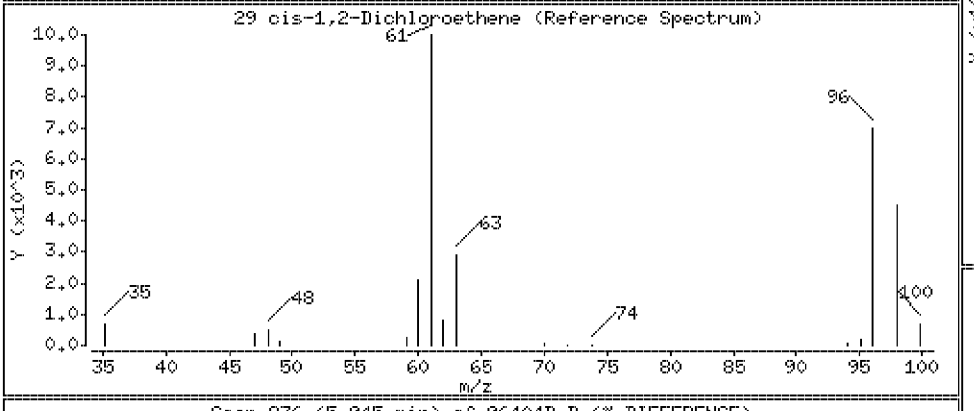
Column diameter: 0.18

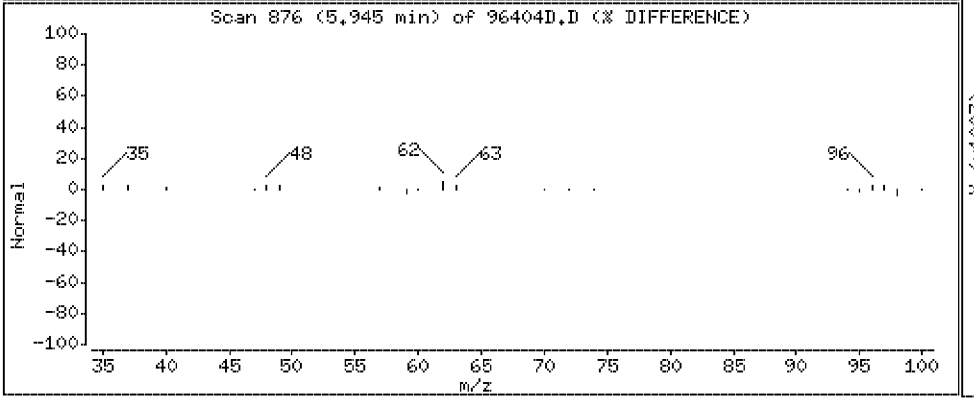
29 cis-1,2-Dichloroethene

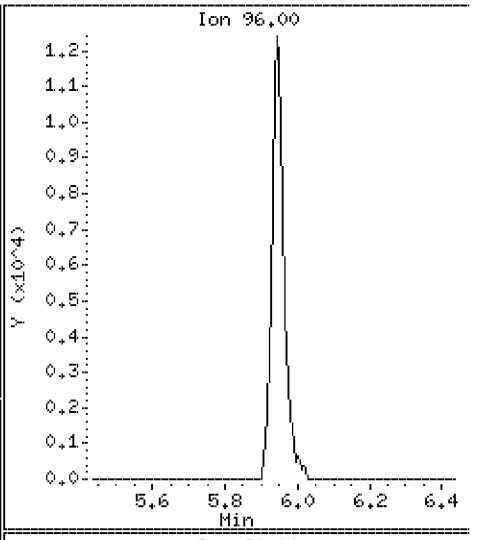
Concentration: 81.5 ug/l

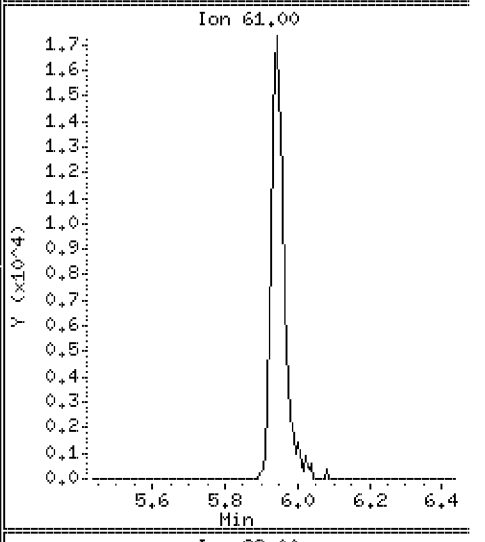


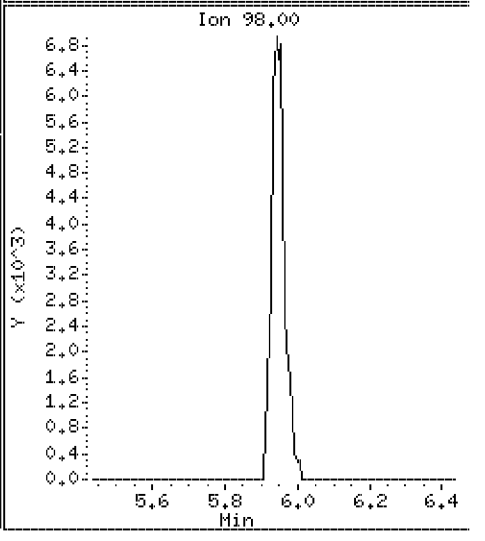












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96404D.D

Date : 15-JUN-2007 14:59

Client ID: TO05MW40BBL

Instrument: vms03.i

Sample Info: 250696404;2506964;20;

Purge Volume: 5.0

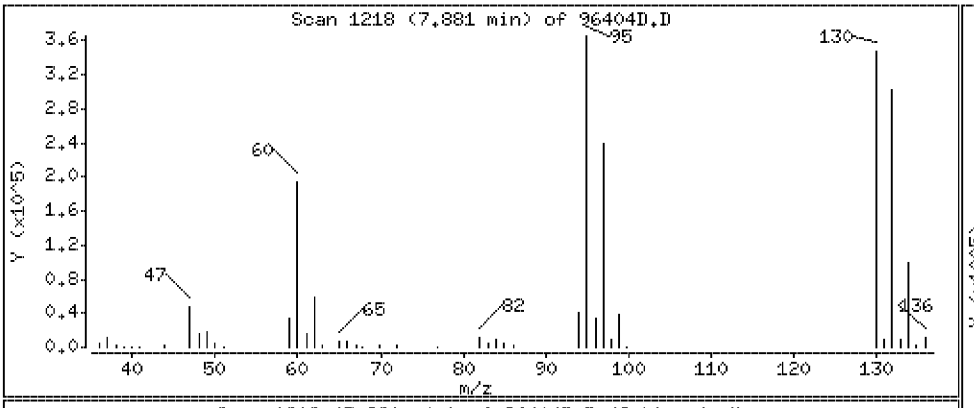
Operator:

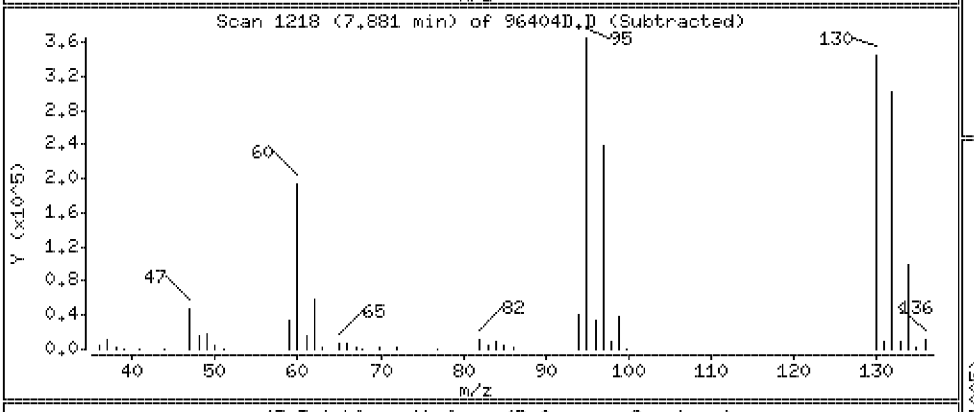
Column phase: DB-624

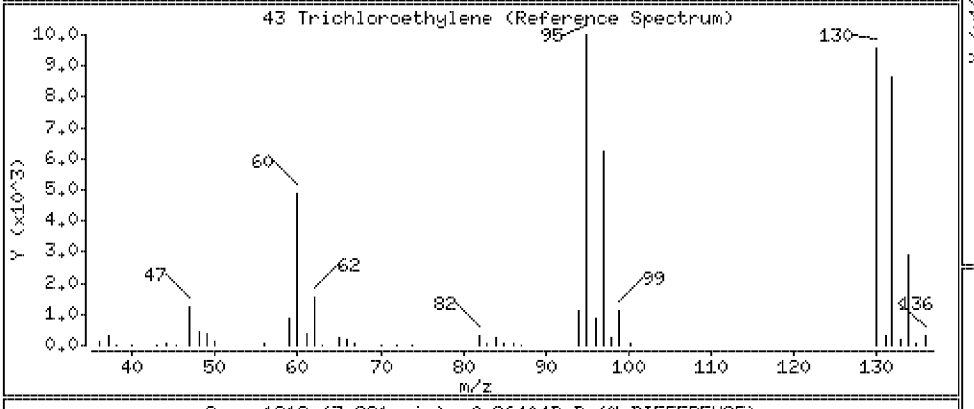
Column diameter: 0.18

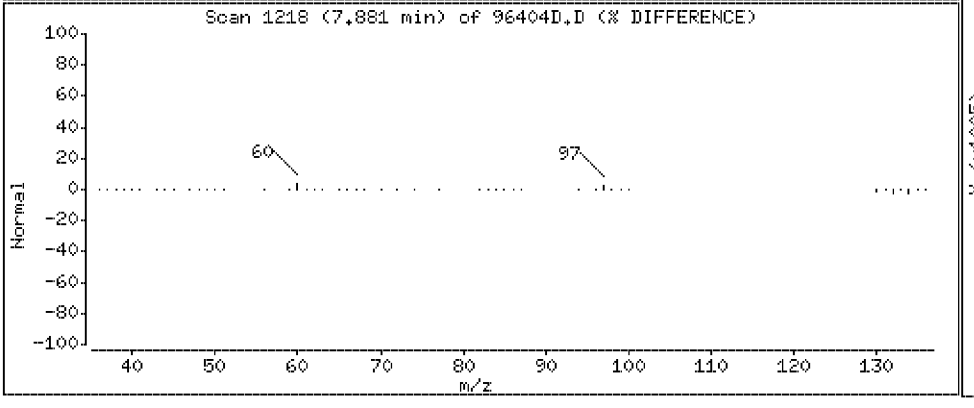
43 Trichloroethylene

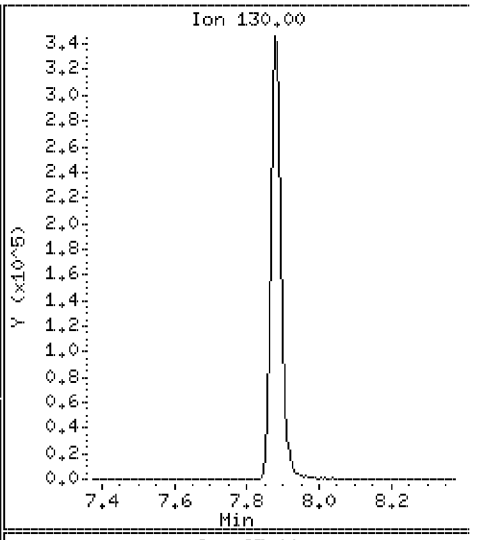
Concentration: 2020 ug/l

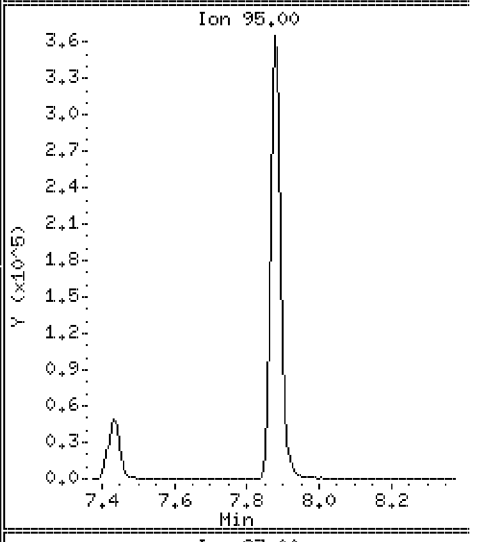


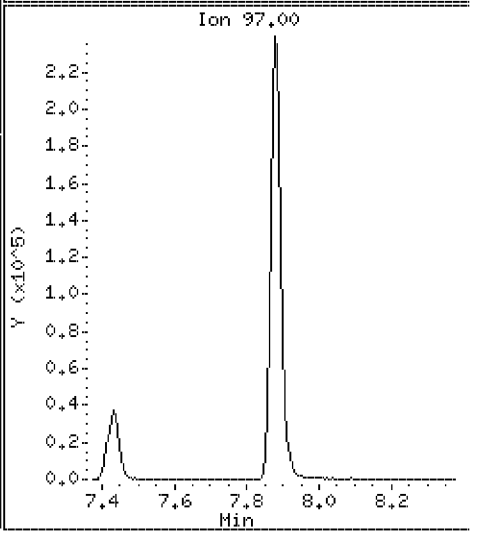












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96404D.D

Date : 15-JUN-2007 14:59

Client ID: TO05MW40BBL

Instrument: vms03.i

Sample Info: 250696404;2506964;20;

Purge Volume: 5.0

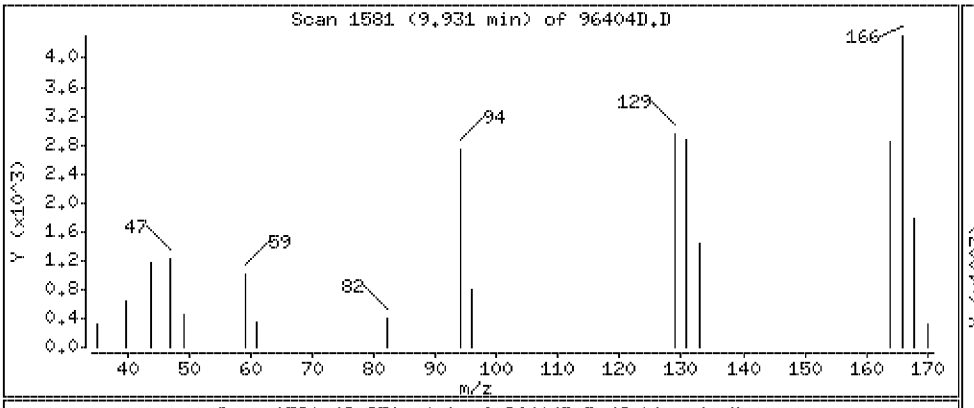
Operator:

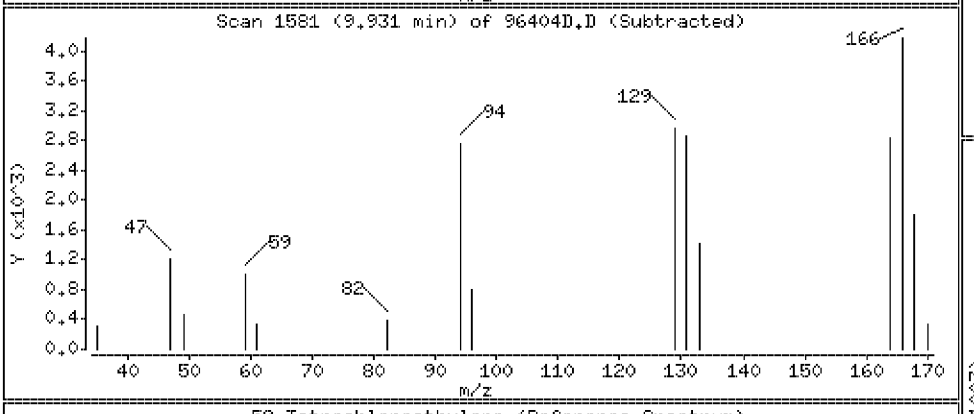
Column phase: DB-624

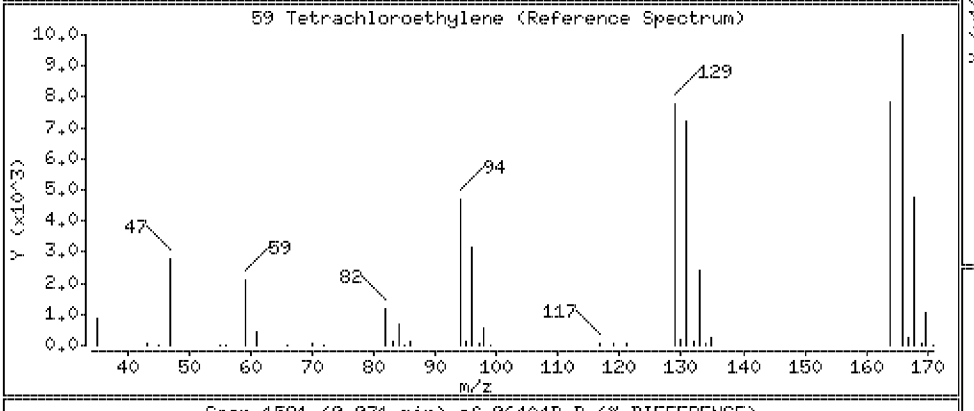
Column diameter: 0.18

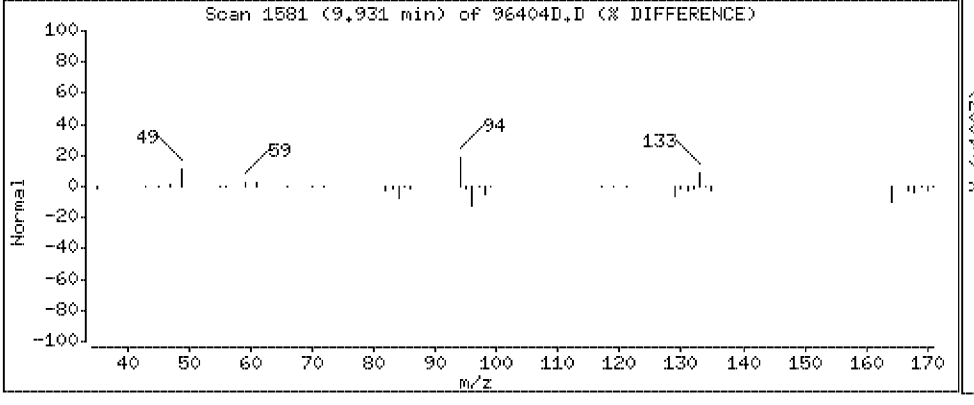
59 Tetrachloroethylene

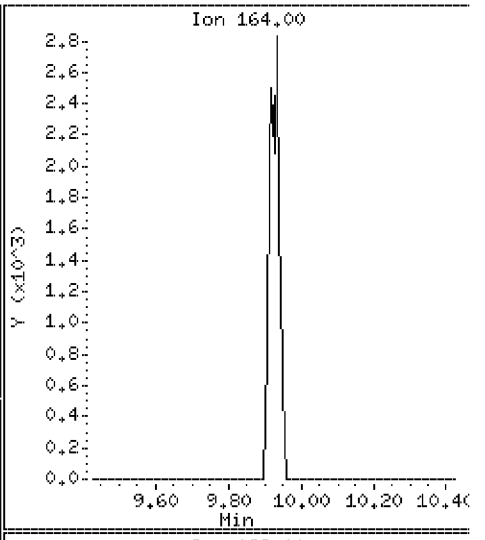
Concentration: 17.0 ug/l

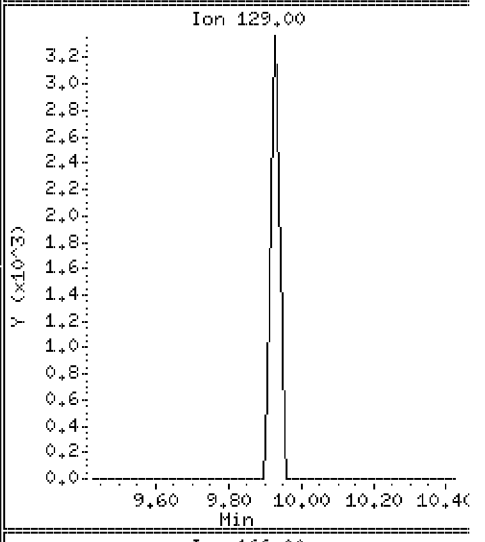


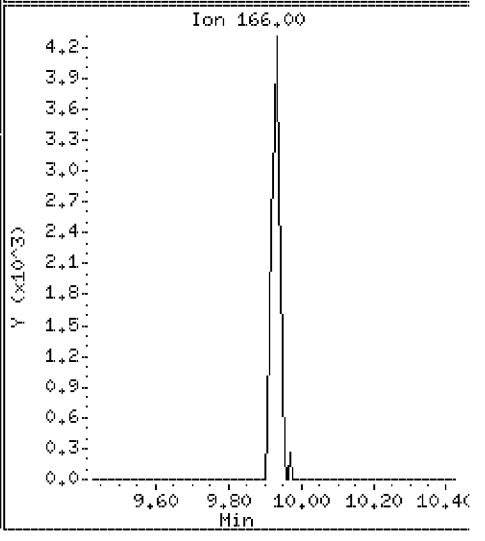












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96404D.D

Date : 15-JUN-2007 14:59

Client ID: TO05MW40BBL

Instrument: vms03.i

Sample Info: 250696404;2506964;20;

Purge Volume: 5.0

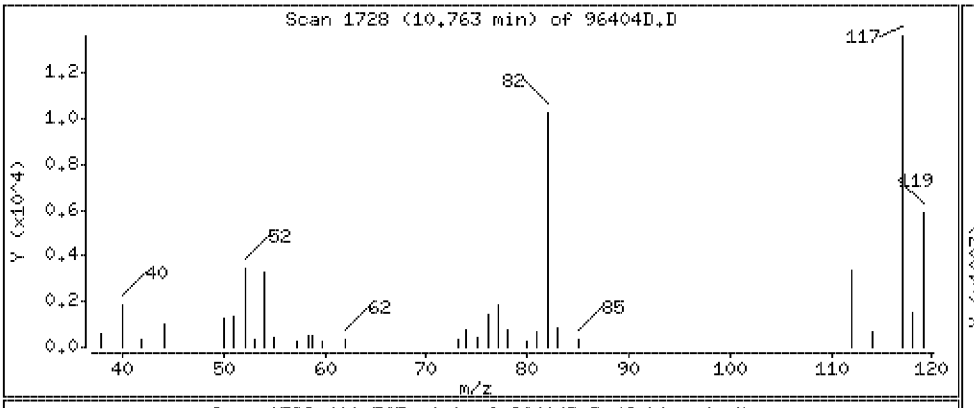
Operator:

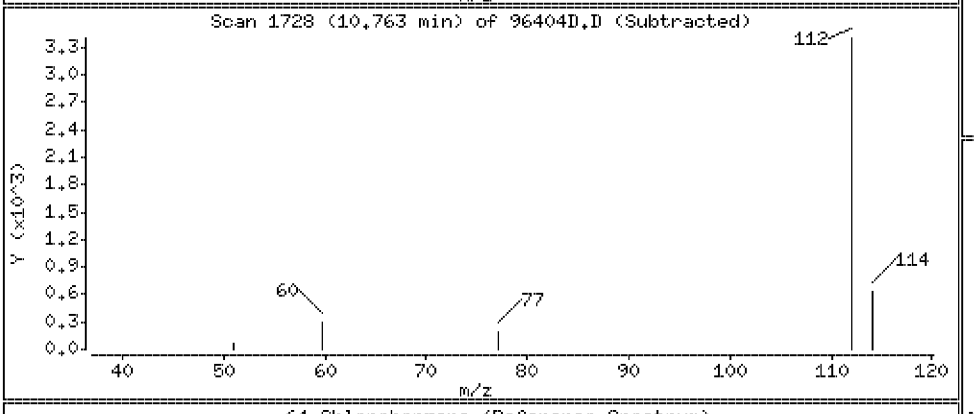
Column phase: DB-624

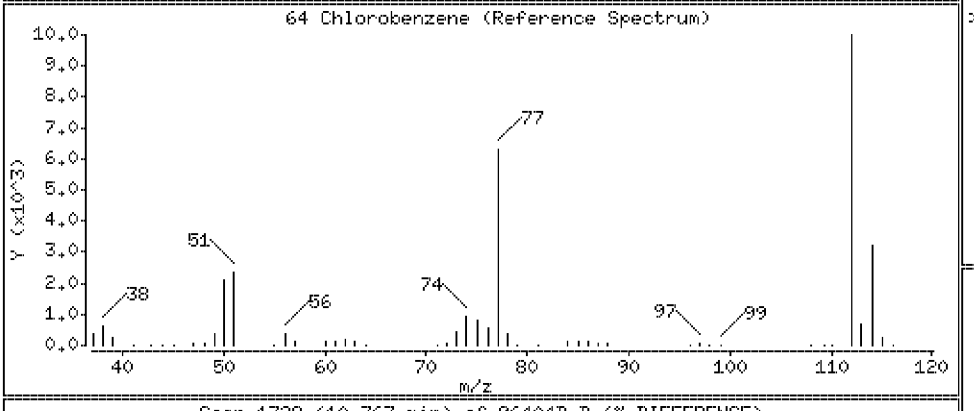
Column diameter: 0.18

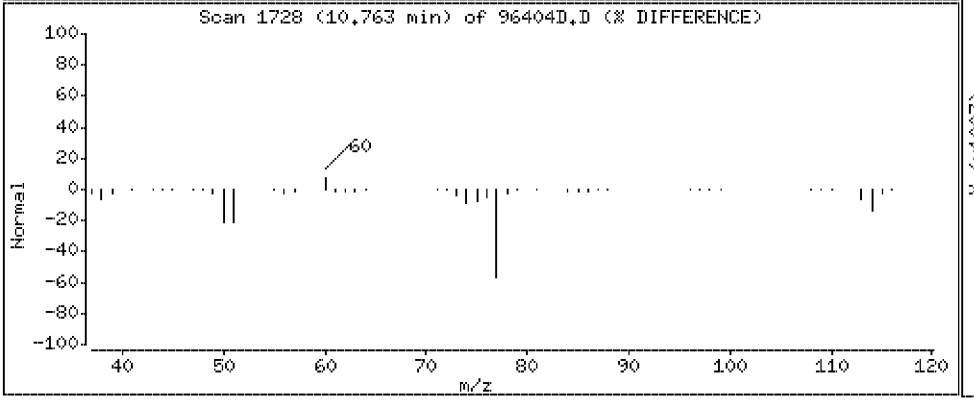
64 Chlorobenzene

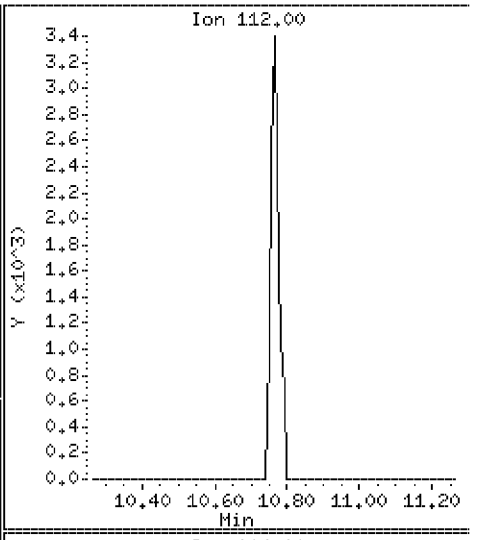
Concentration: 4.6 ug/l

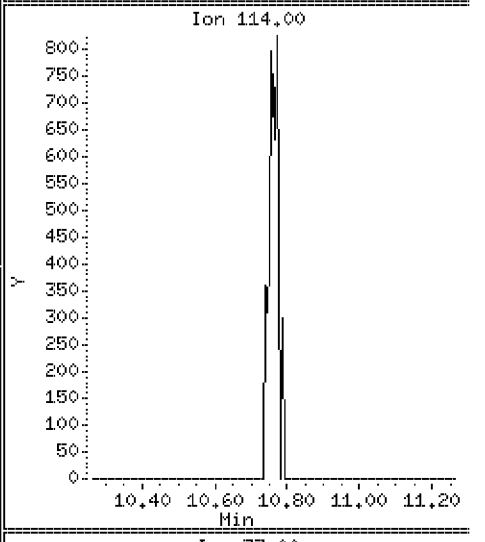


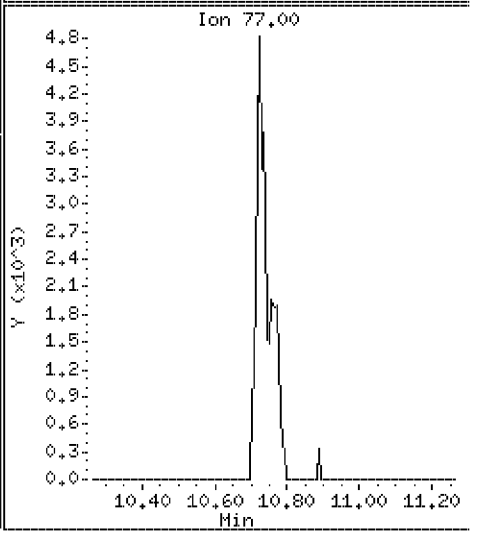












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M306150P.b\96405.D
Lab Smp Id: 250696405 Client Smp ID: TO05FD02BL
Inj Date : 15-JUN-2007 17:20
Operator : Inst ID: vms03.i
Smp Info : 250696405;2506964;1;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M306150P.b\8260A.m
Meth Date : 20-Jun-2007 10:26 lpelo Quant Type: ISTD
Cal Date : 15-JUN-2007 08:57 Cal File: 80PPB.D
Als bottle: 36
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				616349	86.0348	86.0
6 Vinyl Chloride	62	1.767	1.758	(0.238)	184621	36.1434	36.1
13 1,1-Dichloroethene	61	3.255	3.252	(0.438)	10830	0.92343	0.92(a)
22 trans 1,2-Dichloroethene	61	4.412	4.402	(0.594)	5466	0.51298	0.51(a)
29 cis-1,2-Dichloroethene	96	5.944	5.937	(0.800)	610883	85.5218	85.5(Aq)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.436	6.430	(0.866)	335331	52.3246	52.3
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	7.055	7.051	(0.949)	78490	54.5298	54.5
41 Benzene	78	7.170	7.163	(0.965)	38230	1.40344	1.4
* 42 FLUOROBENZENE (IS)	96	7.432	7.427	(1.000)	1193390	50.0000	
43 Trichloroethylene	130	7.881	7.875	(1.060)	13471030	1960.34	1960(A)
$ 53 TOLUENE d8 (surr)	98	9.174	9.170	(1.234)	1289284	51.2345	51.2
54 Toluene	92	9.256	9.253	(1.245)	16652	0.94973	0.95(a)
57 1,1,2-Trichloroethane	97	9.618	9.610	(1.294)	3993	0.61154	0.61(a)
59 Tetrachloroethylene	164	9.929	9.926	(0.926)	116365	20.7616	20.8
* 63 CHLOROBENZENE d5 (IS)	117	10.727	10.724	(1.000)	890024	50.0000	
64 Chlorobenzene	112	10.766	10.763	(1.004)	91275	4.44779	4.4
66 Ethylbenzene	106	10.820	10.818	(1.009)	3943	0.38078	0.38(aQ)
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.954	11.951	(0.909)	512361	52.5467	52.5
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.145	13.143	(1.000)	444460	50.0000	

QC Flag Legend

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

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 96405.D
Lab Smp Id: 250696405
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M306150P.b\8260A.m
Misc Info:

Calibration Date: 15-JUN-2007
Calibration Time: 10:18
Client Smp ID: TO05FD02BL
Level: LOW
Sample Type: WATER

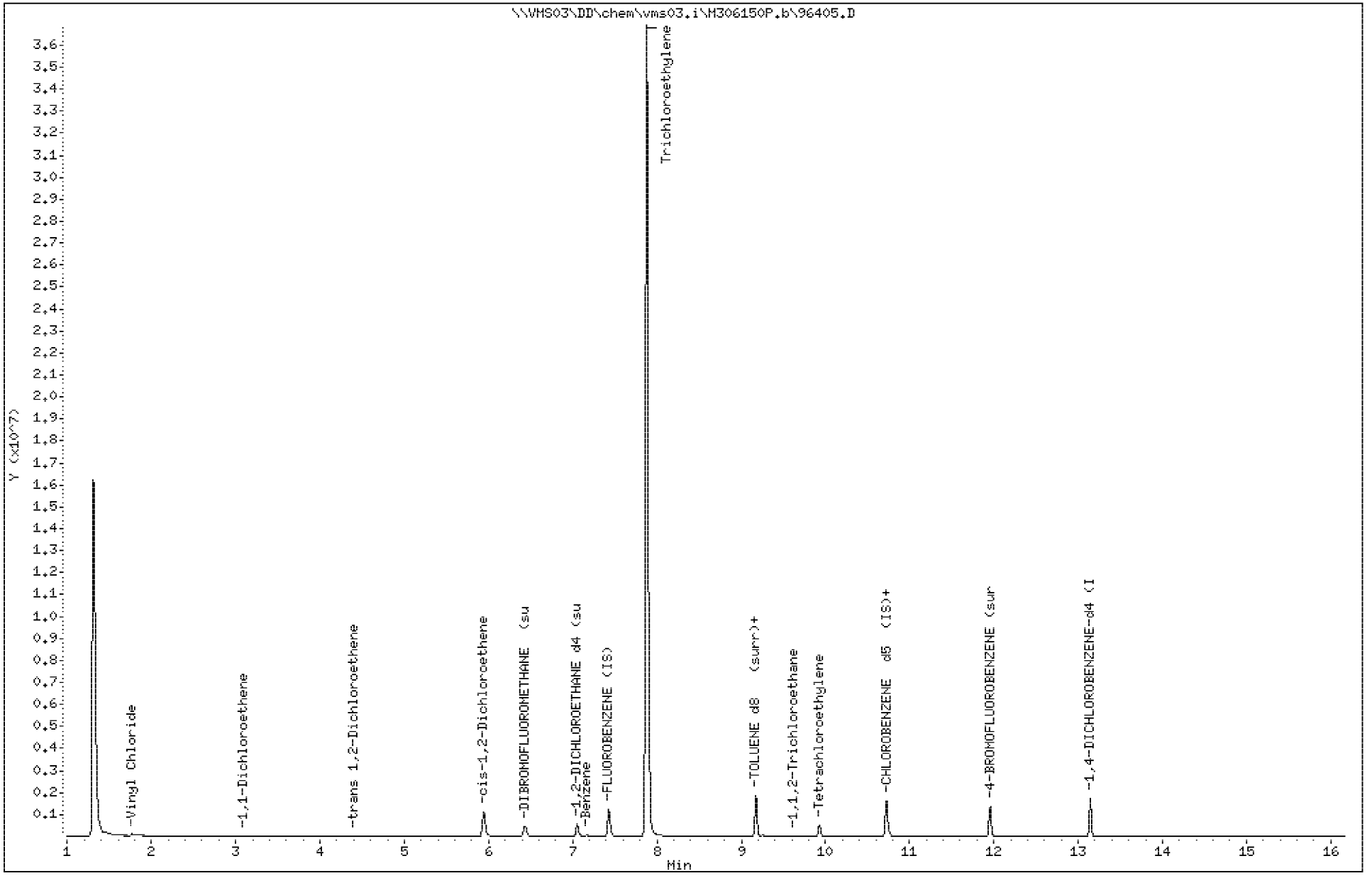
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1288369	644185	2576738	1193390	-7.37
63 CHLOROBENZENE d5	921152	460576	1842304	890024	-3.38
86 1,4-DICHLOROBENZE	508073	254037	1016146	444460	-12.52

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.06
63 CHLOROBENZENE d5	10.72	10.22	11.22	10.73	0.03
86 1,4-DICHLOROBENZE	13.14	12.64	13.64	13.15	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96405.D
Date : 15-JUN-2007 17:20
Client ID: T005FD02BL
Sample Info: 250696405;2506964;1;
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



AO-413

2506964

Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96405.D

Date : 15-JUN-2007 17:20

Client ID: TO05FD02BL

Instrument: vms03.i

Sample Info: 250696405;2506964;1;

Purge Volume: 5.0

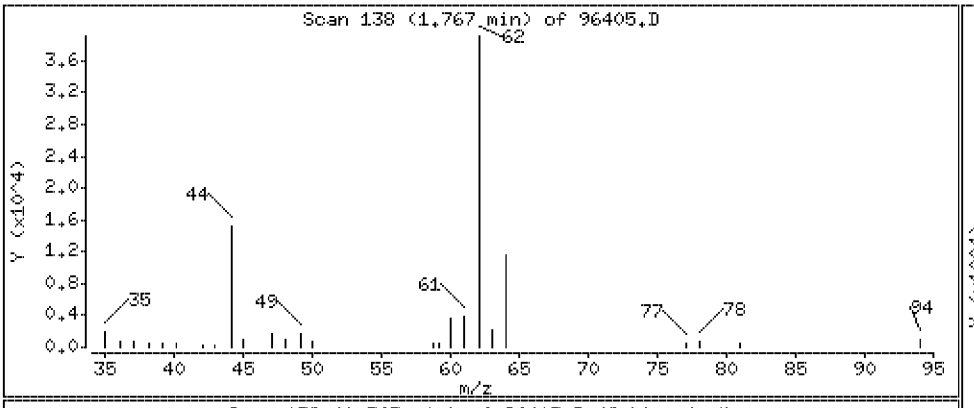
Operator:

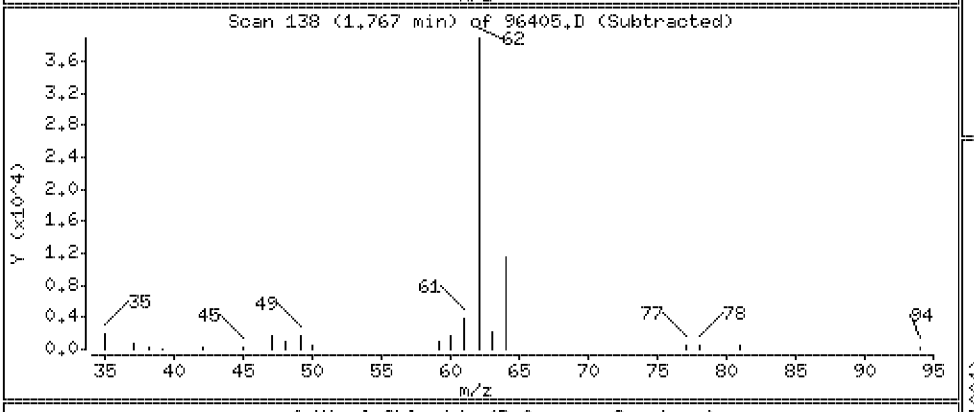
Column phase: DB-624

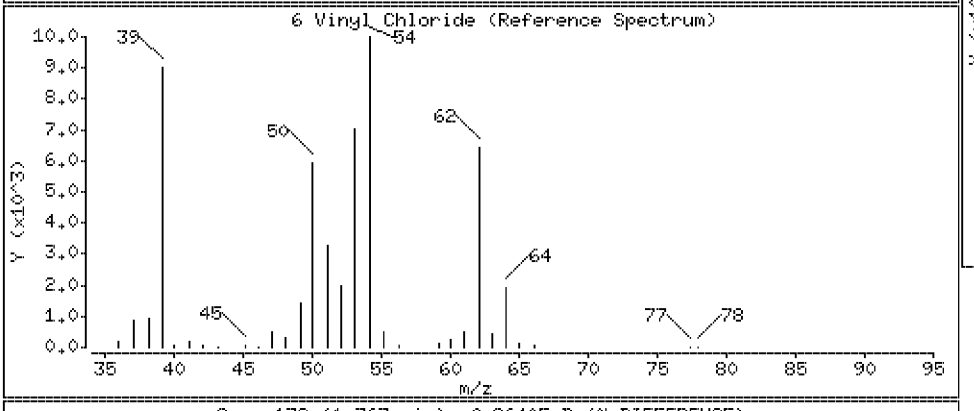
Column diameter: 0.18

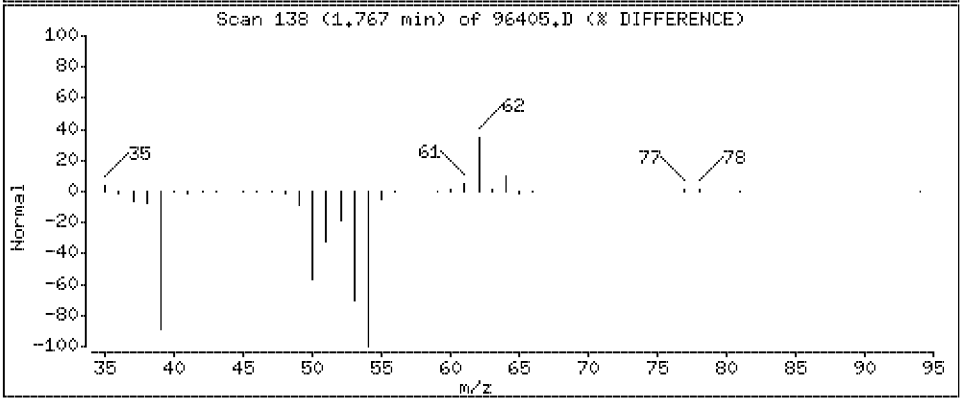
6 Vinyl Chloride

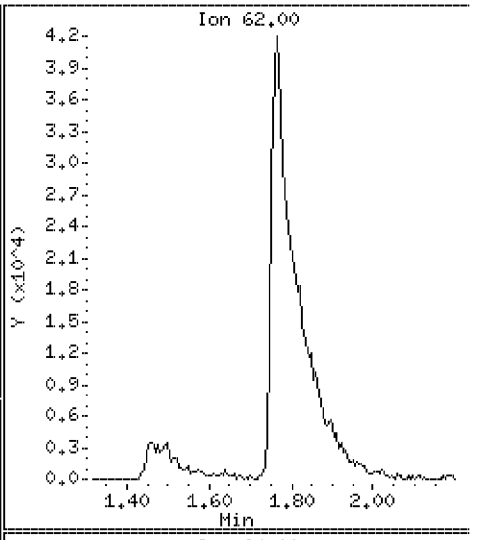
Concentration: 36.1 ug/l

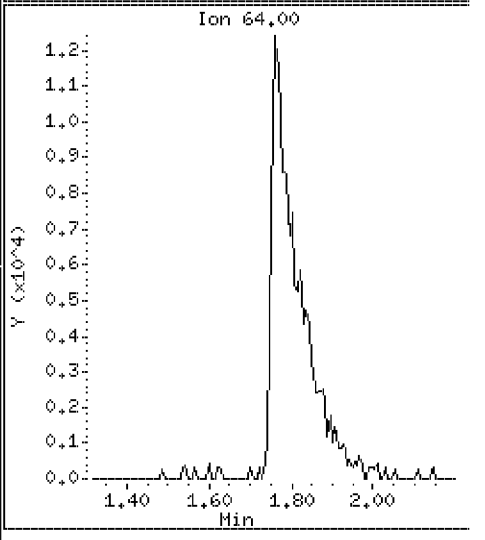












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96405.D

Date : 15-JUN-2007 17:20

Client ID: TO05FD02BL

Instrument: vms03.i

Sample Info: 250696405;2506964;1;

Purge Volume: 5.0

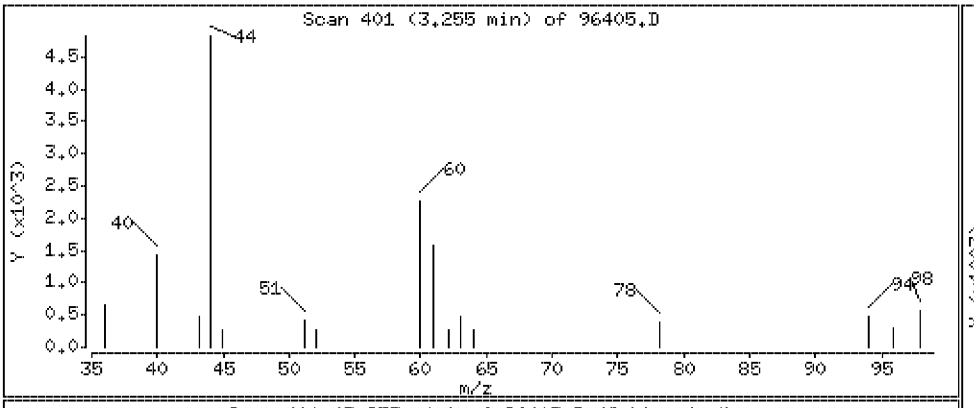
Operator:

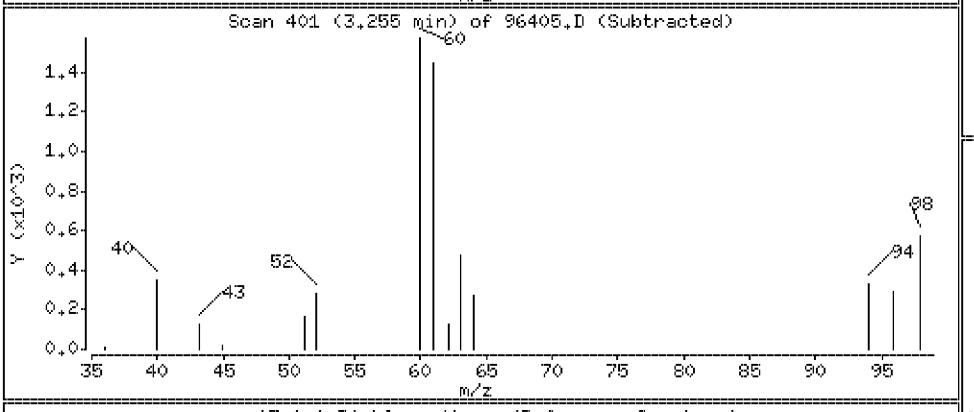
Column phase: DB-624

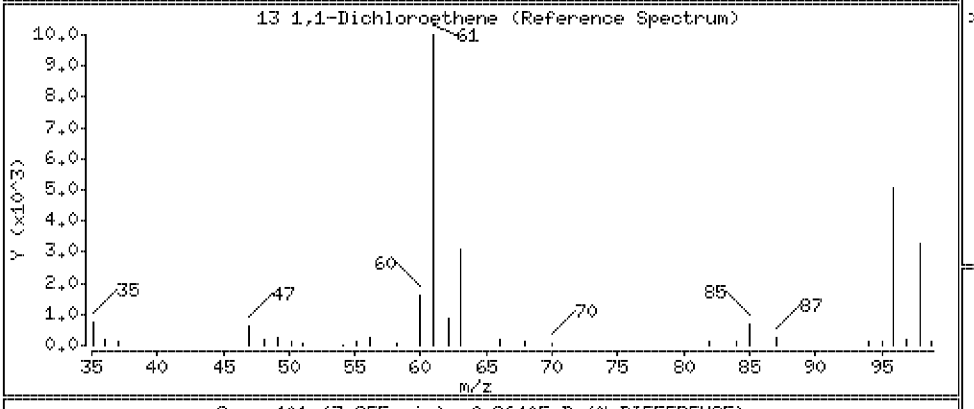
Column diameter: 0.18

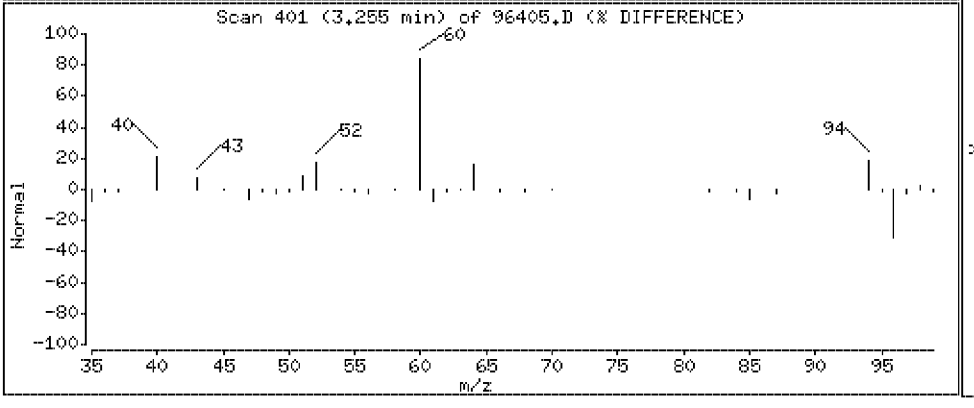
13 1,1-Dichloroethene

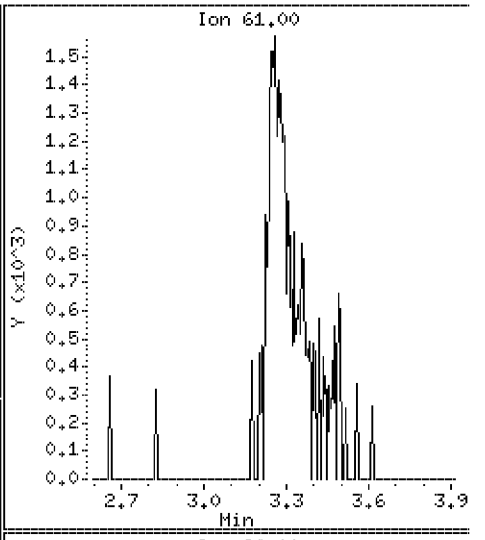
Concentration: 0.92 ug/l

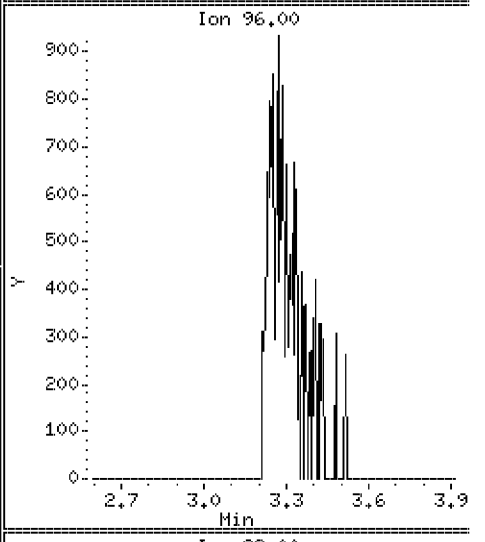


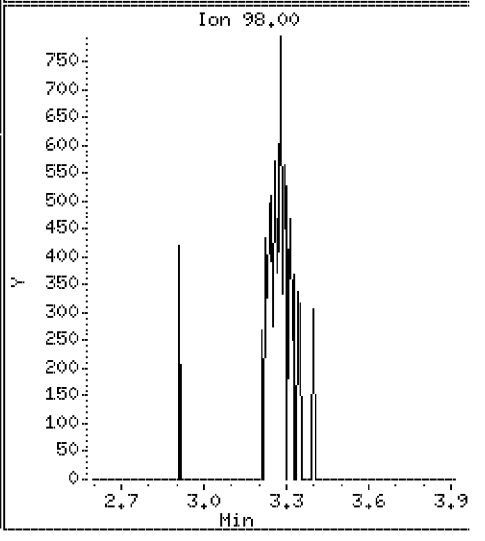












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96405.D

Date : 15-JUN-2007 17:20

Client ID: TO05FD02BL

Instrument: vms03.i

Sample Info: 250696405;2506964;1;

Purge Volume: 5.0

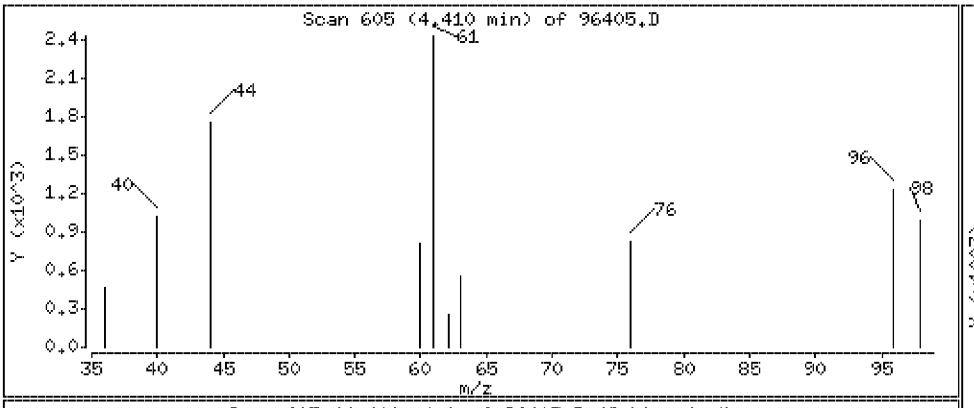
Operator:

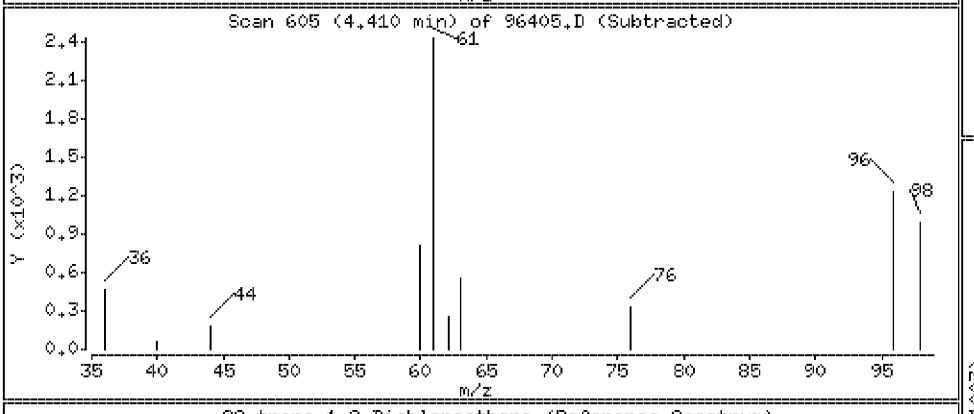
Column phase: DB-624

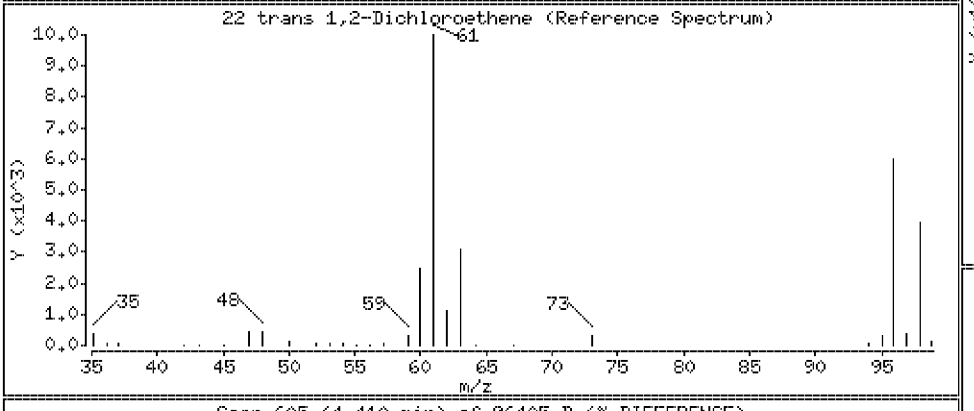
Column diameter: 0.18

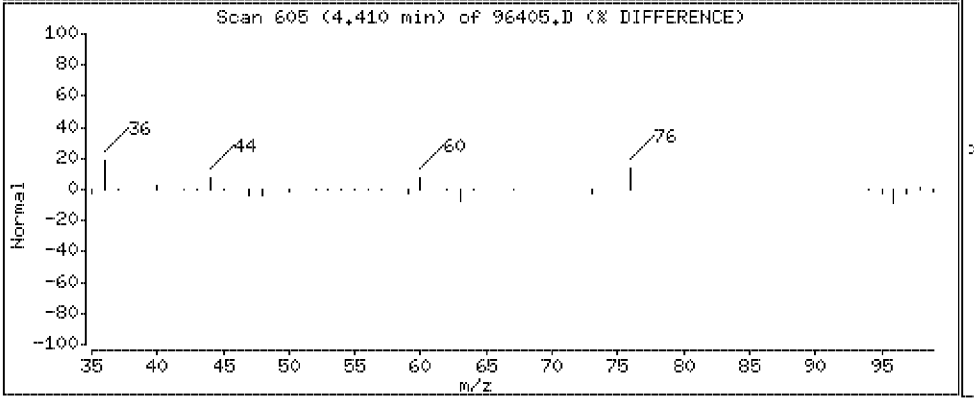
22 trans 1,2-Dichloroethene

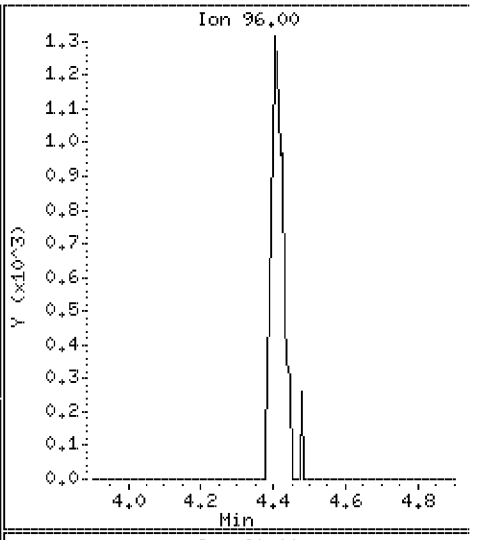
Concentration: 0.51 ug/l

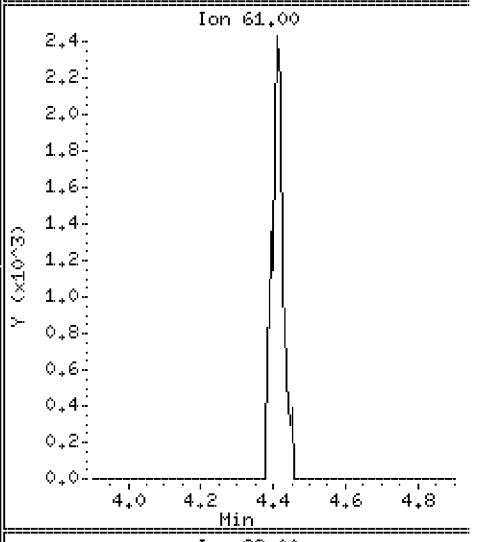


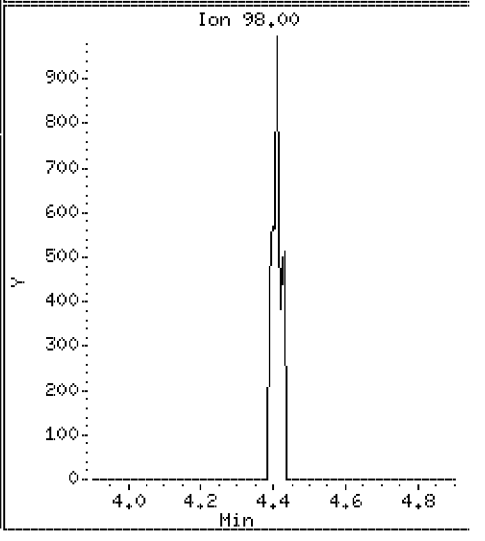












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96405.D

Date : 15-JUN-2007 17:20

Client ID: TO05FD02BL

Instrument: vms03.i

Sample Info: 250696405;2506964;1;

Purge Volume: 5.0

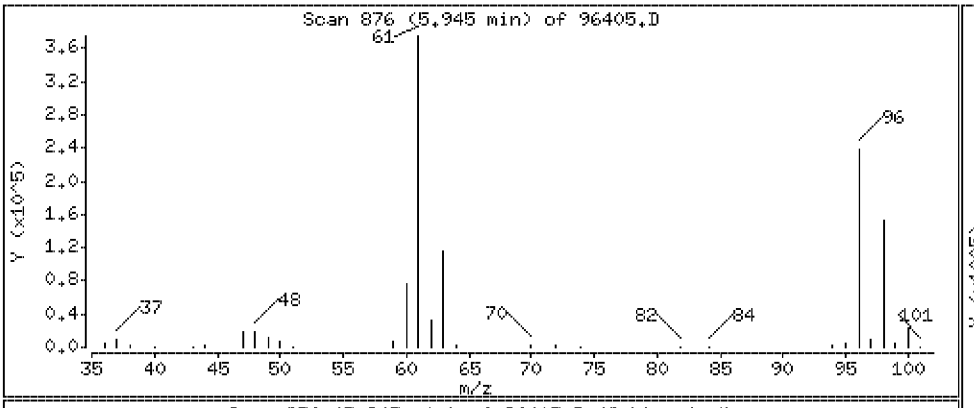
Operator:

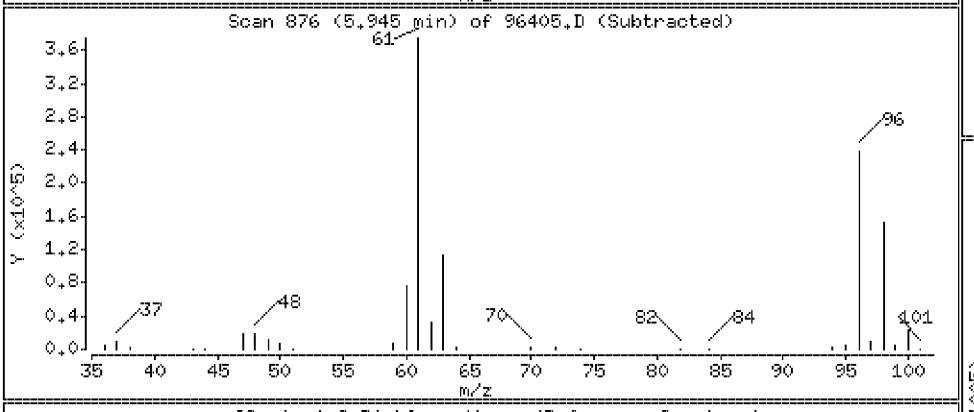
Column phase: DB-624

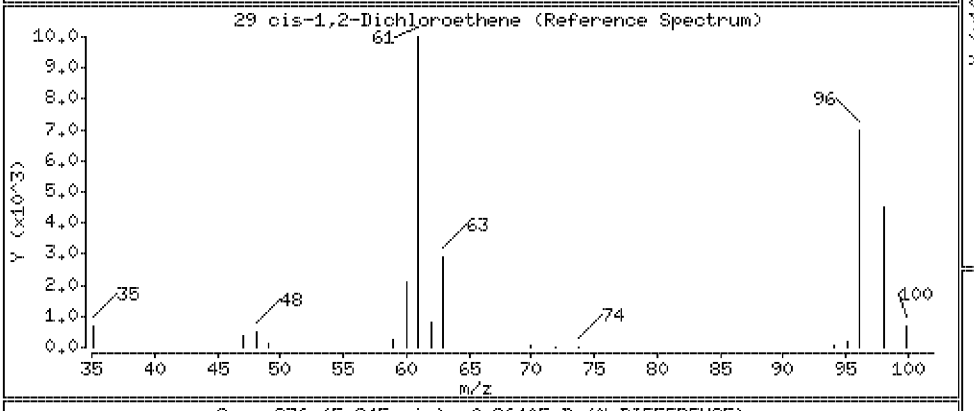
Column diameter: 0.18

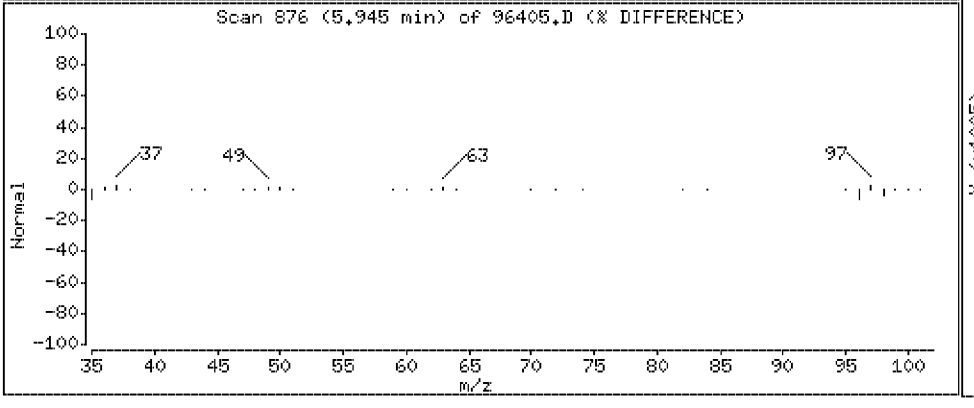
29 cis-1,2-Dichloroethene

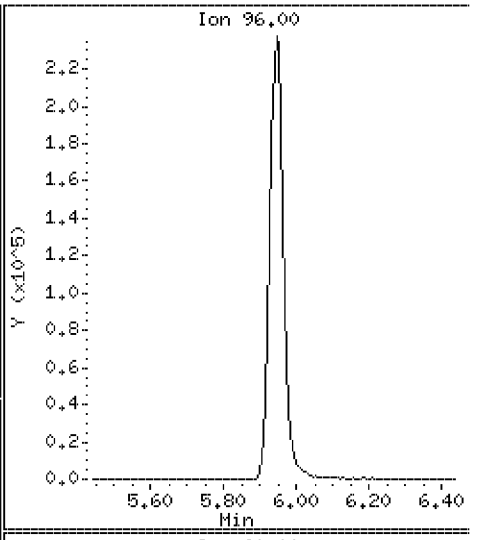
Concentration: 85.5 ug/l

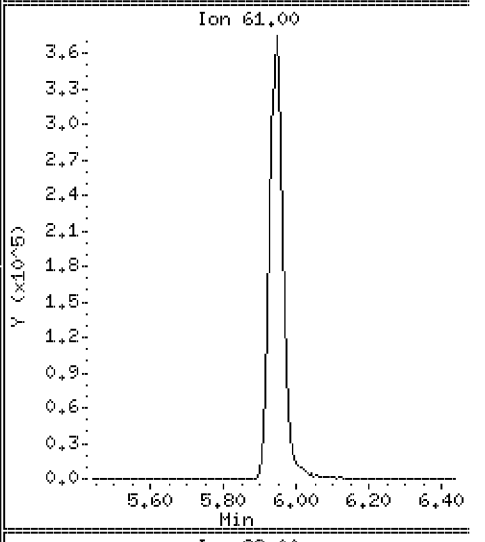


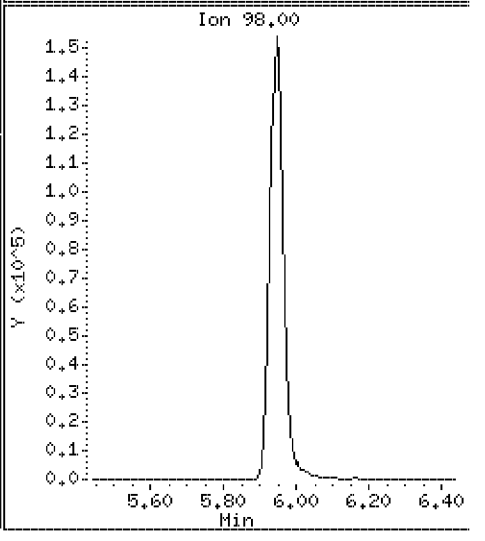












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96405.D

Date : 15-JUN-2007 17:20

Client ID: TO05FD02BL

Instrument: vms03.i

Sample Info: 250696405;2506964;1;

Purge Volume: 5.0

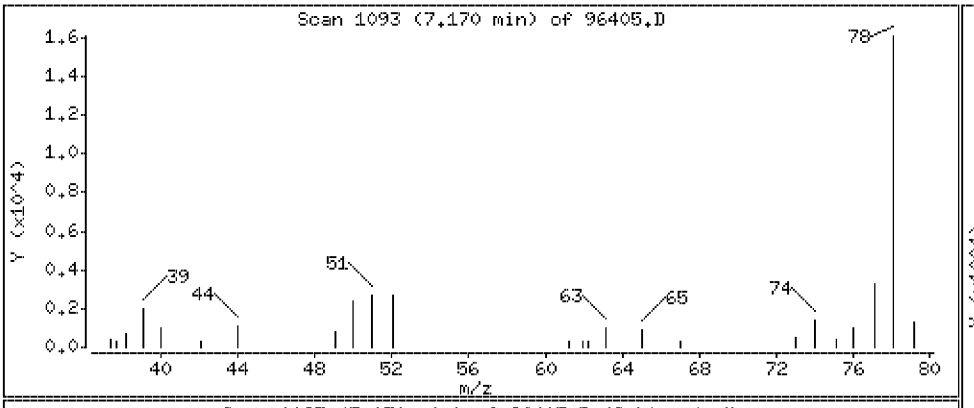
Operator:

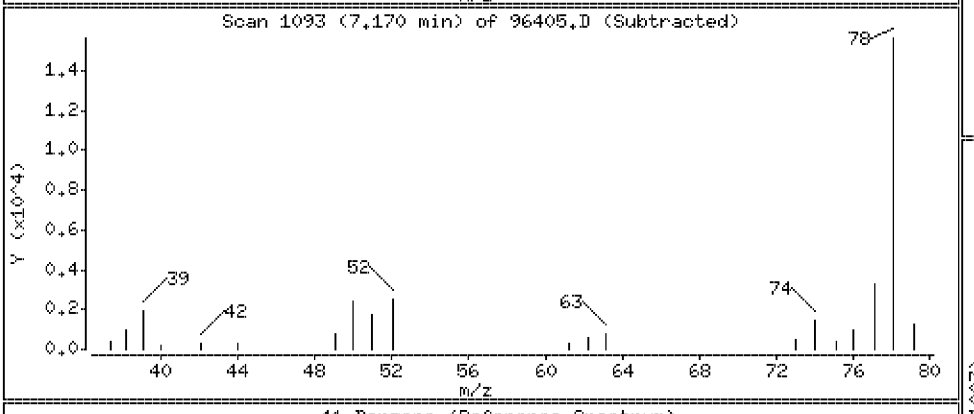
Column phase: DB-624

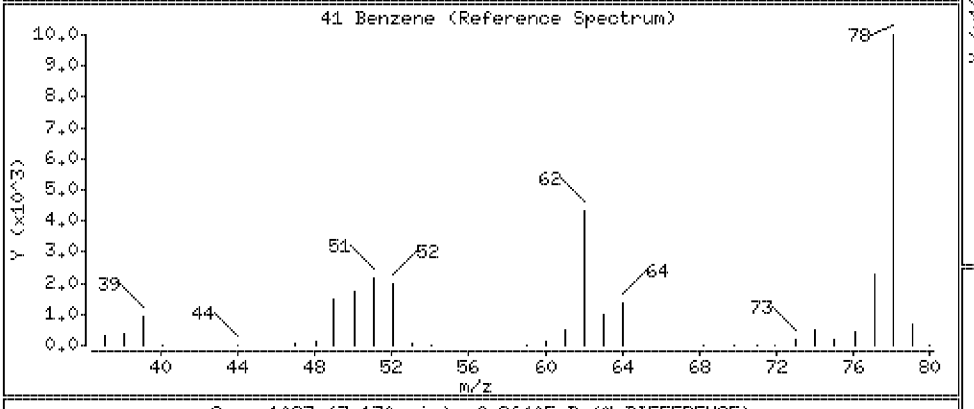
Column diameter: 0.18

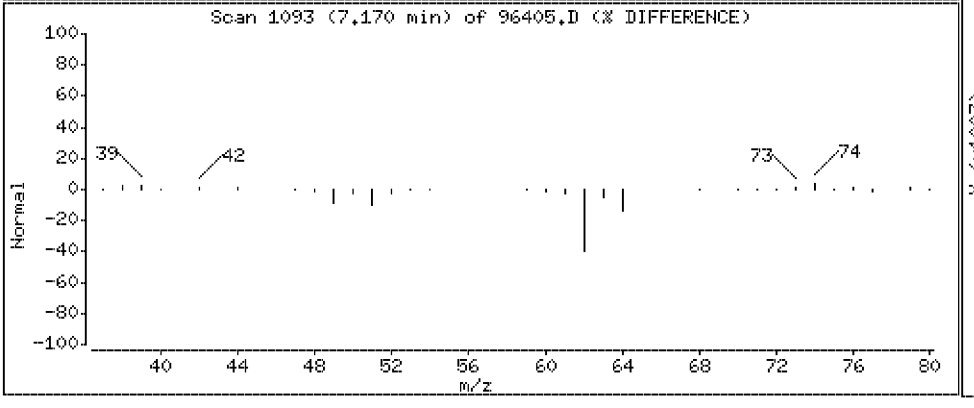
41 Benzene

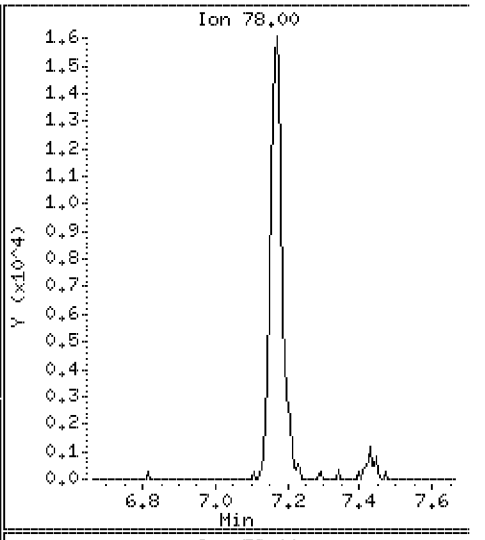
Concentration: 1.4 ug/l

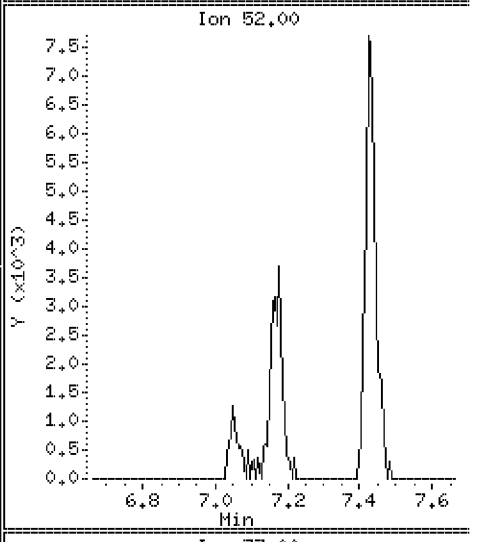


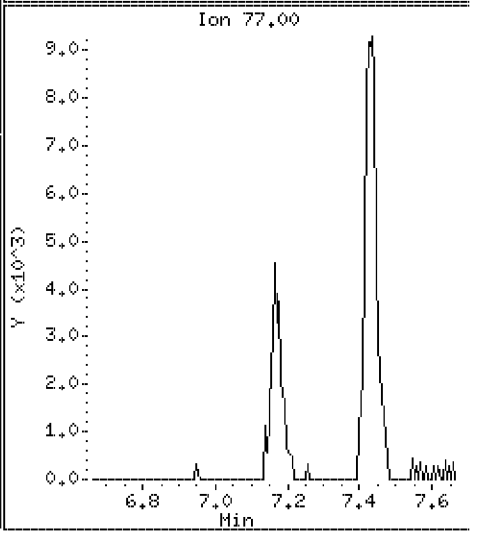












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96405.D

Date : 15-JUN-2007 17:20

Client ID: TO05FD02BL

Instrument: vms03.i

Sample Info: 250696405;2506964;1;

Purge Volume: 5.0

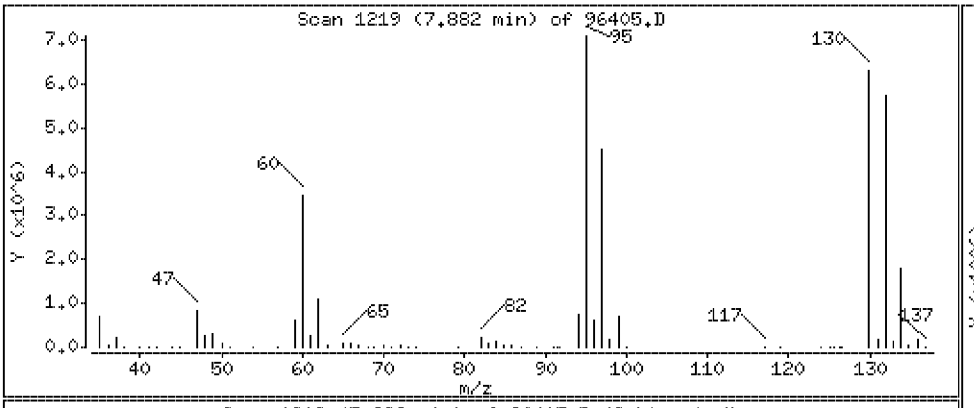
Operator:

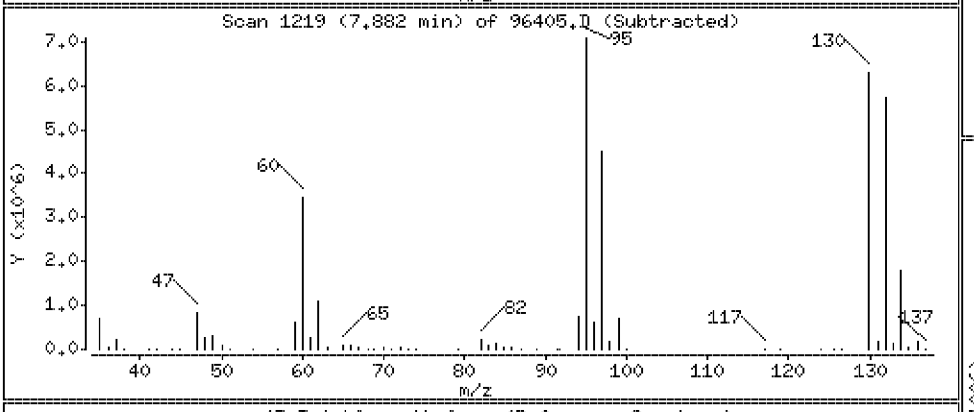
Column phase: DB-624

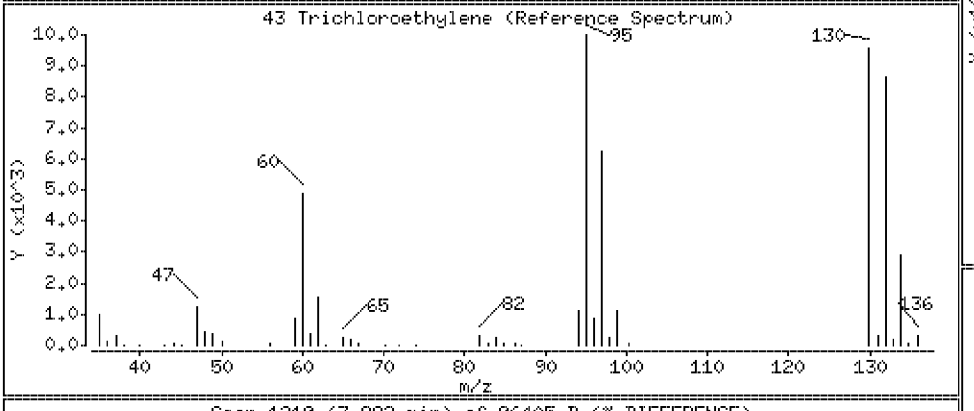
Column diameter: 0.18

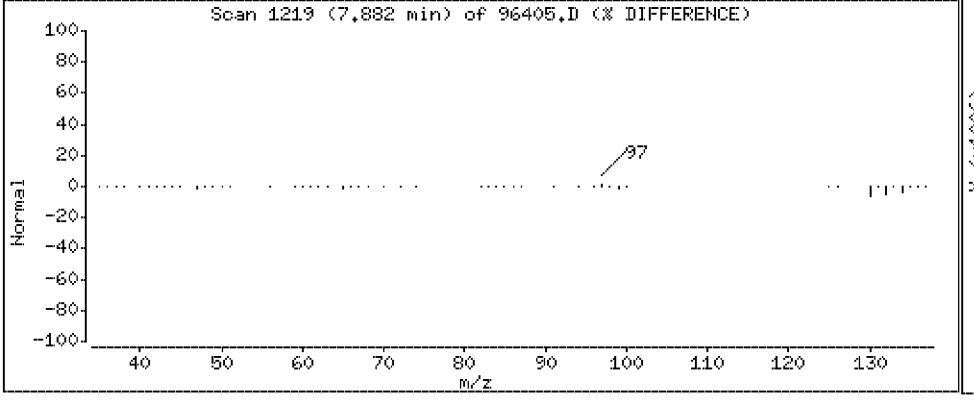
43 Trichloroethylene

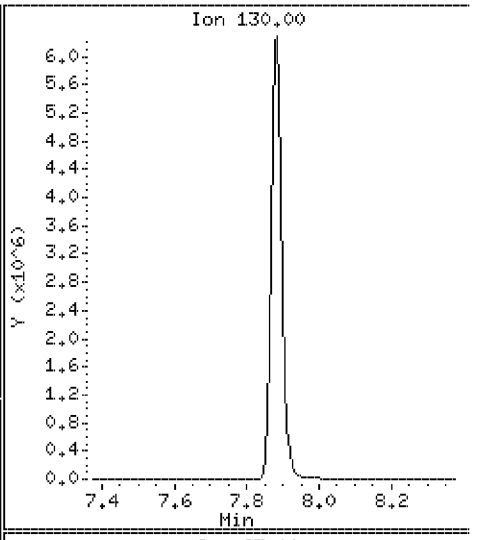
Concentration: 1960 ug/l

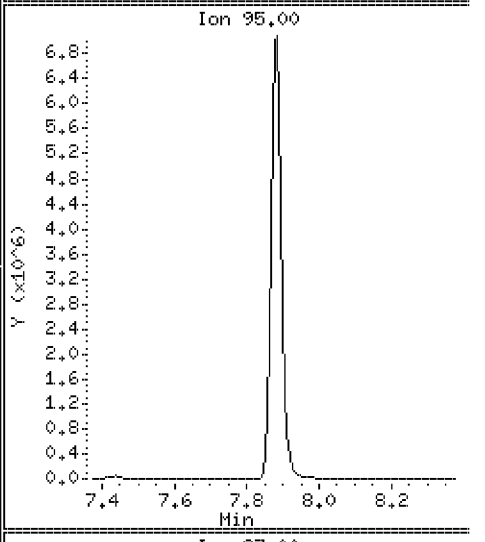


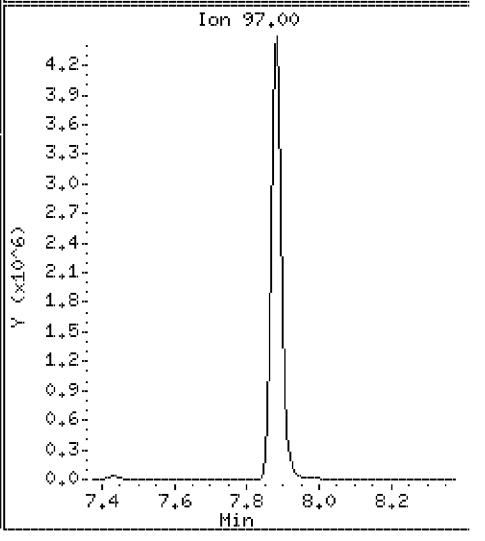












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96405.D

Date : 15-JUN-2007 17:20

Client ID: TO05FD02BL

Instrument: vms03.i

Sample Info: 250696405;2506964;1;

Purge Volume: 5.0

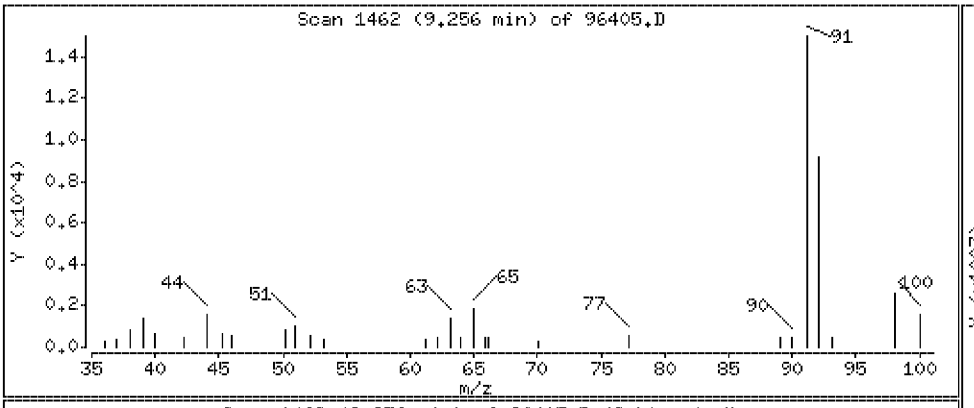
Operator:

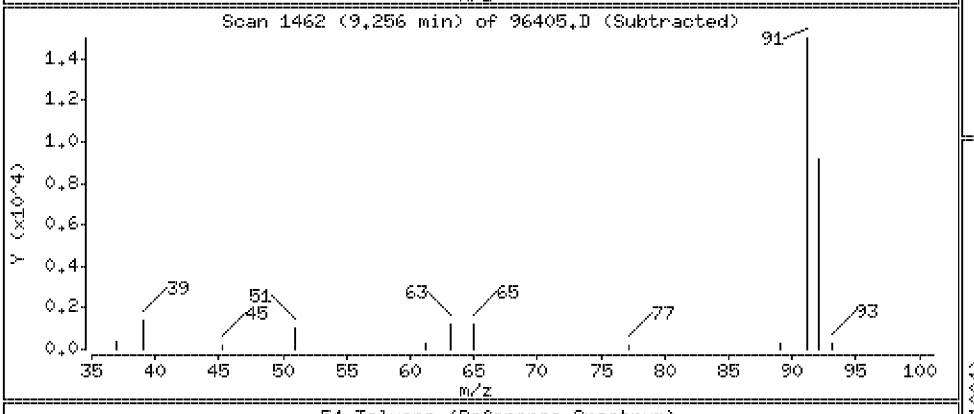
Column phase: DB-624

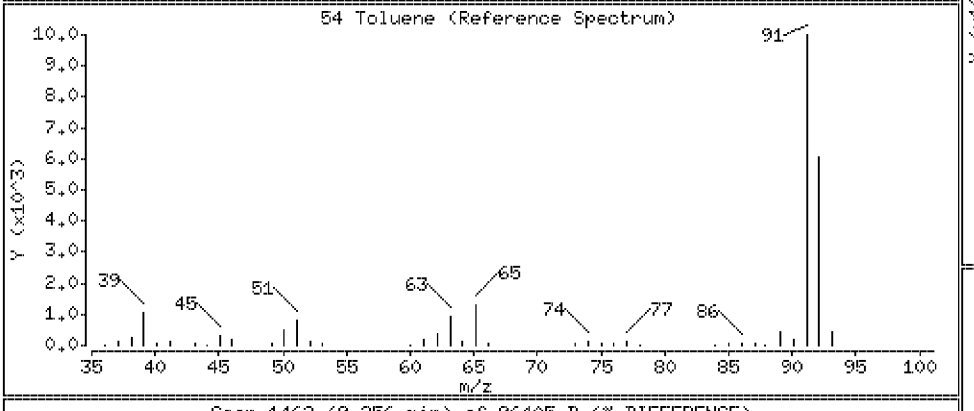
Column diameter: 0.18

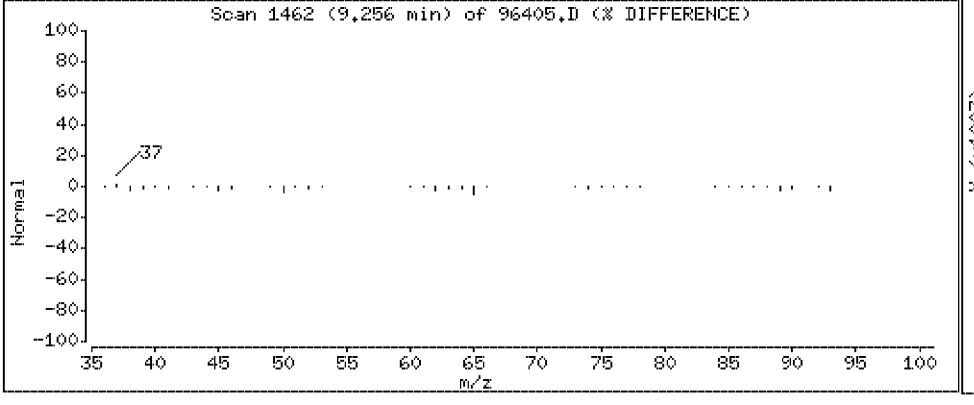
54 Toluene

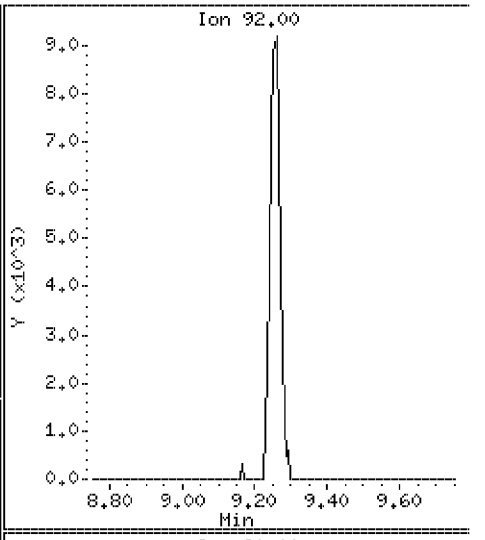
Concentration: 0.95 ug/l

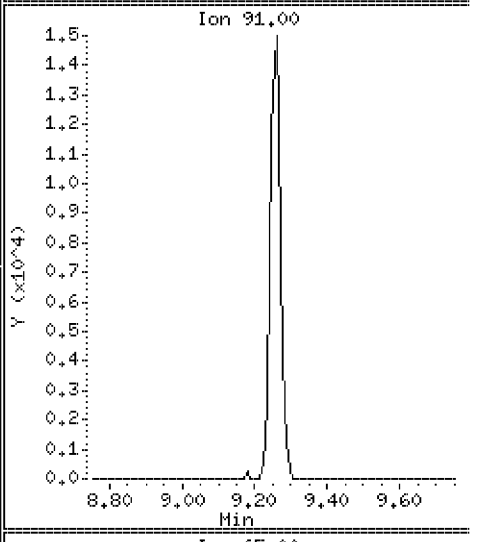


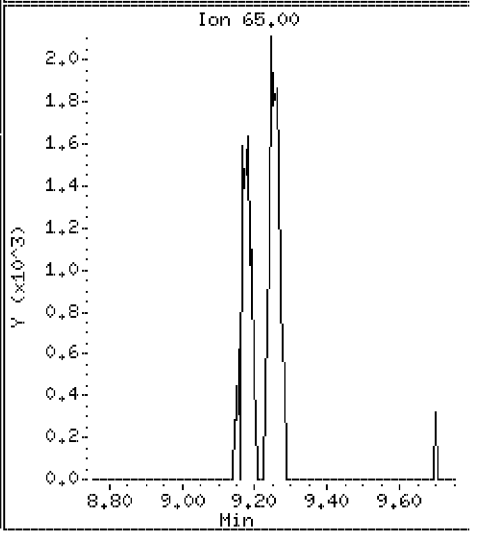












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96405.D

Date : 15-JUN-2007 17:20

Client ID: TO05FD02BL

Instrument: vms03.i

Sample Info: 250696405;2506964;1;

Purge Volume: 5.0

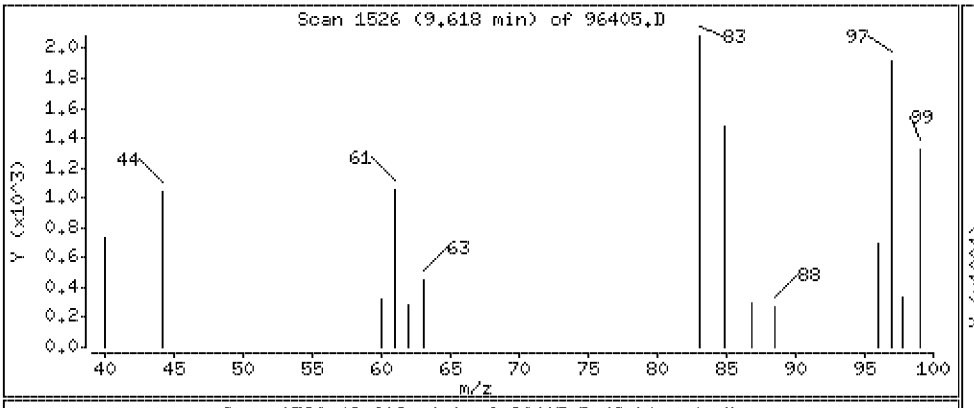
Operator:

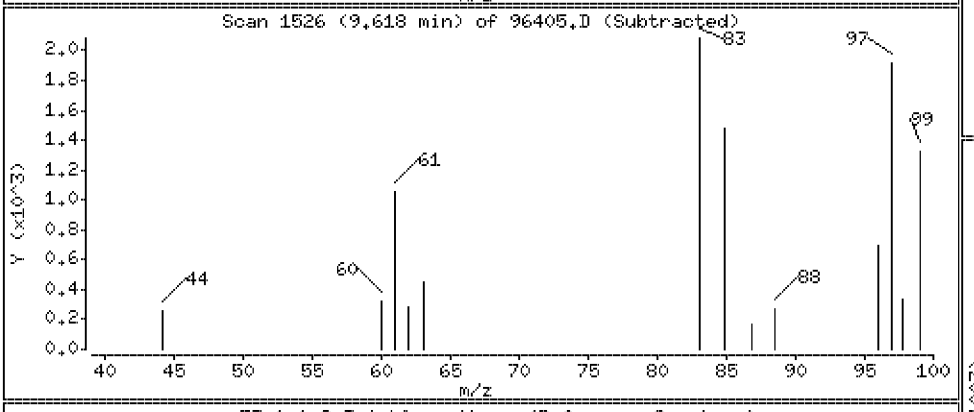
Column phase: DB-624

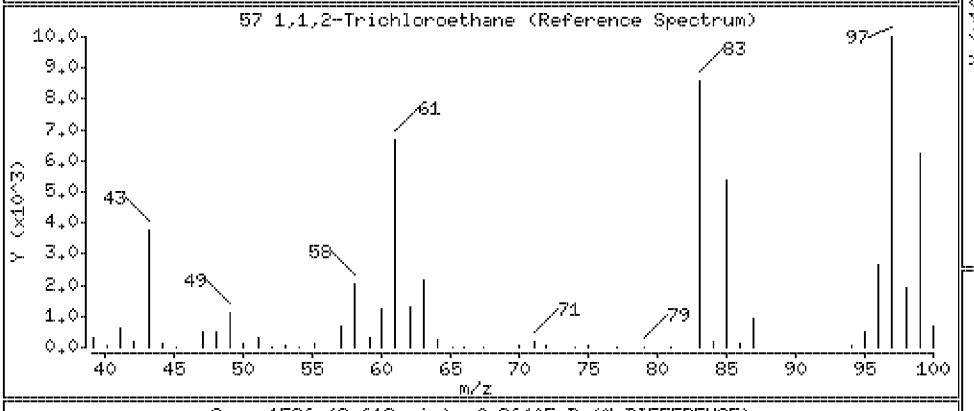
Column diameter: 0.18

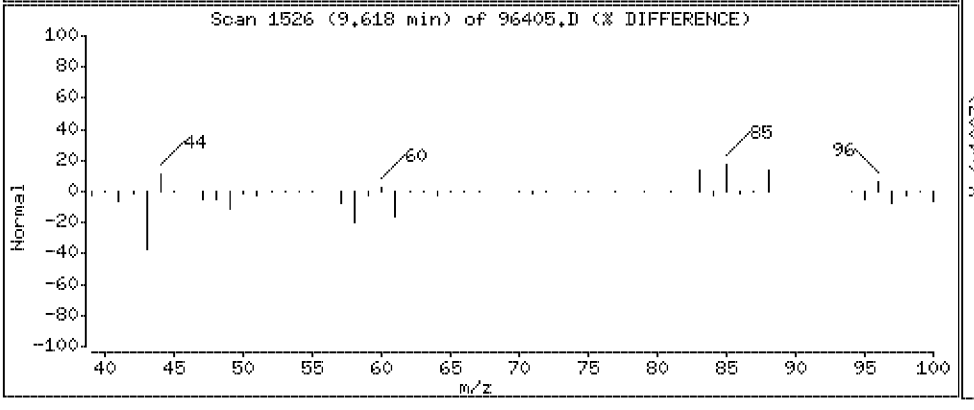
57 1,1,2-Trichloroethane

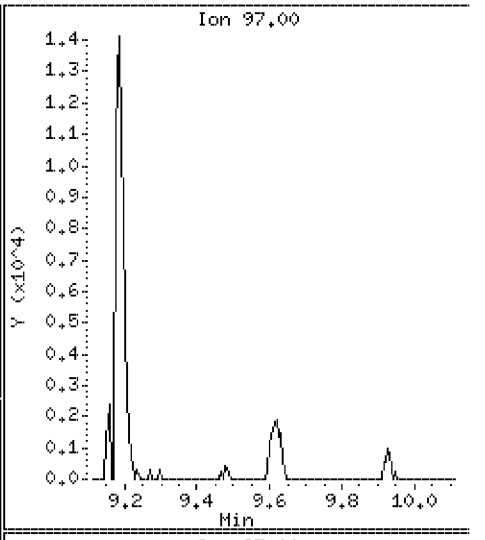
Concentration: 0.61 ug/l

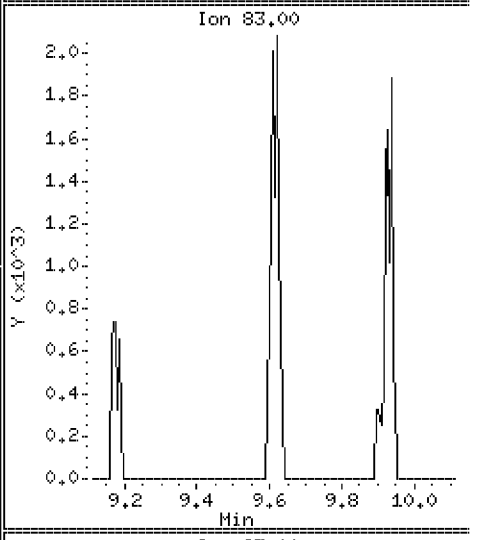


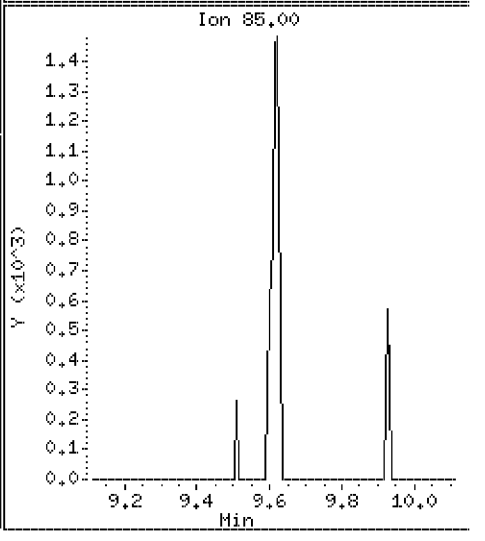












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96405.D

Date : 15-JUN-2007 17:20

Client ID: TO05FD02BL

Instrument: vms03.i

Sample Info: 250696405;2506964;1;

Purge Volume: 5.0

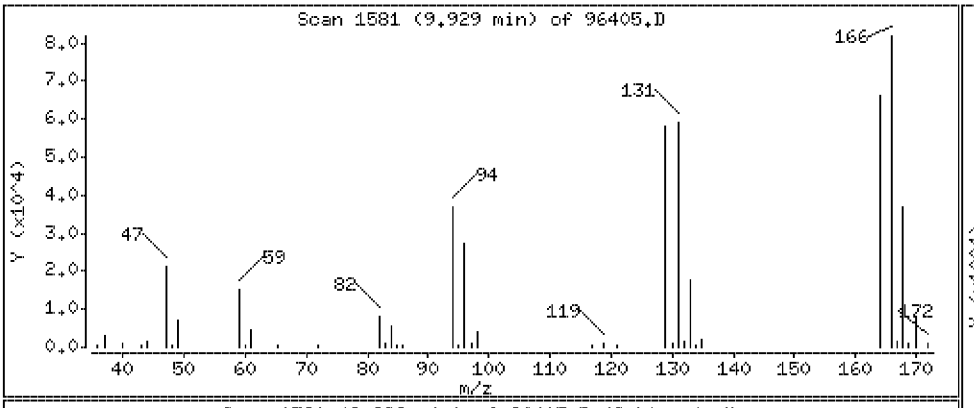
Operator:

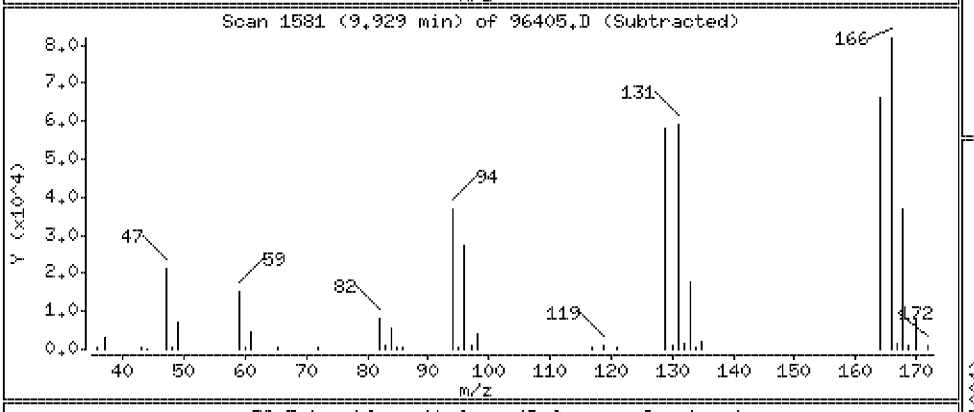
Column phase: DB-624

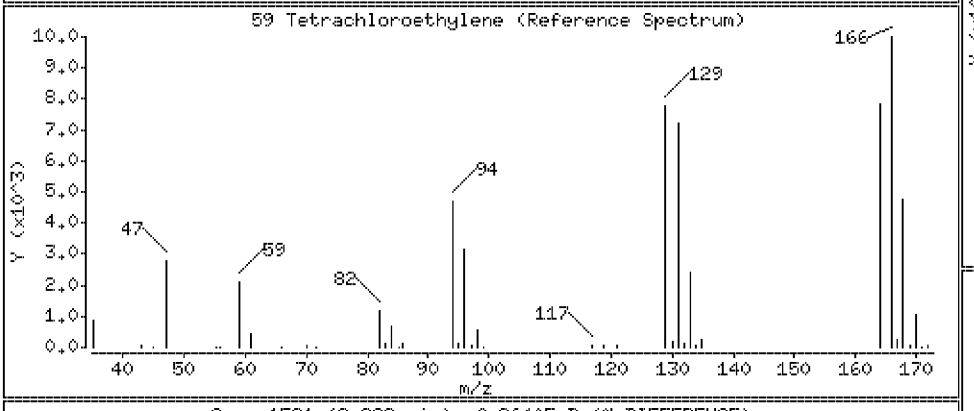
Column diameter: 0.18

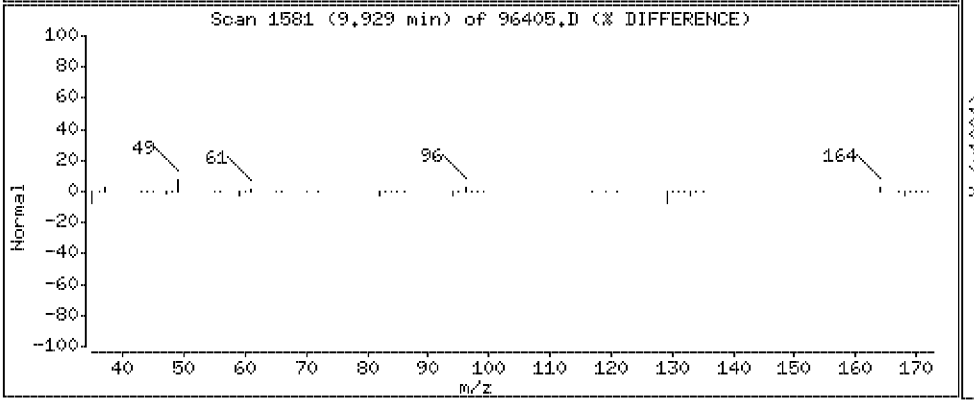
59 Tetrachloroethylene

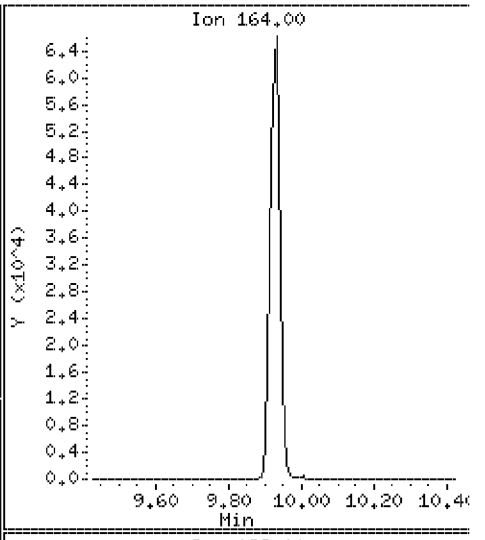
Concentration: 20.8 ug/l

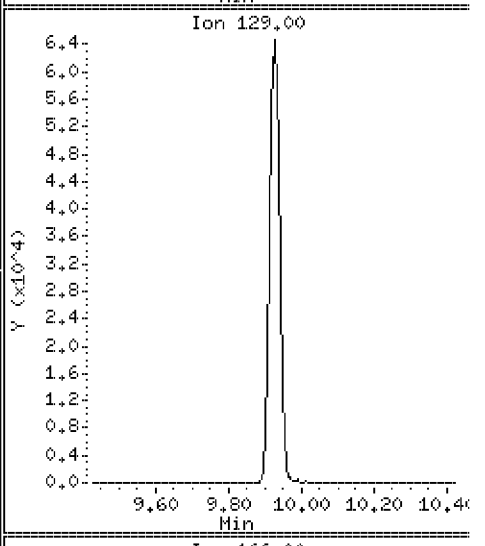


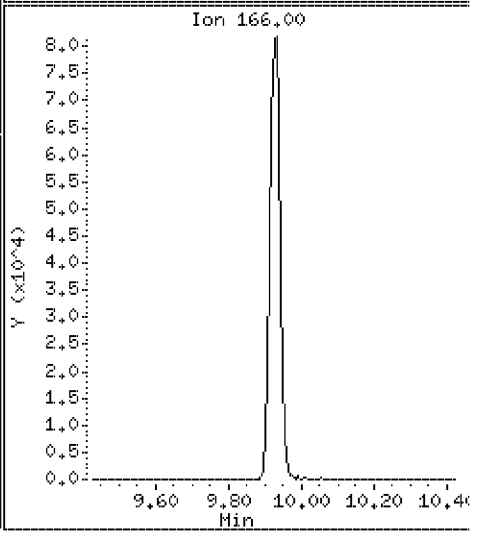












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96405.D

Date : 15-JUN-2007 17:20

Client ID: TO05FD02BL

Instrument: vms03.i

Sample Info: 250696405;2506964;1;

Purge Volume: 5.0

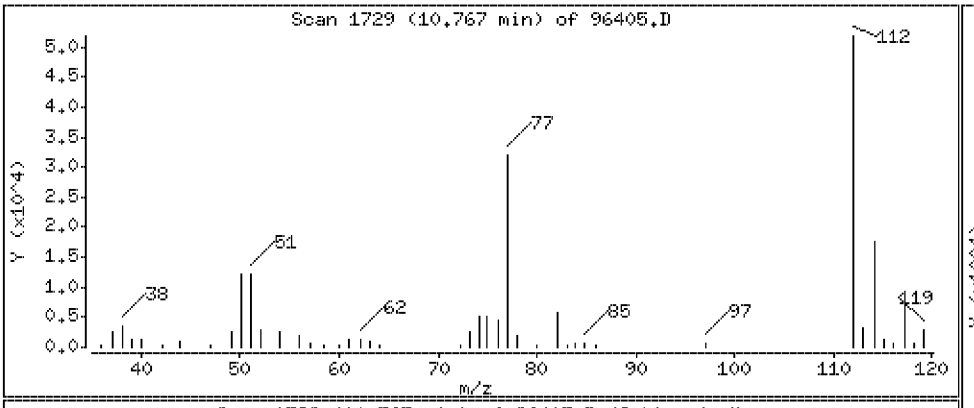
Operator:

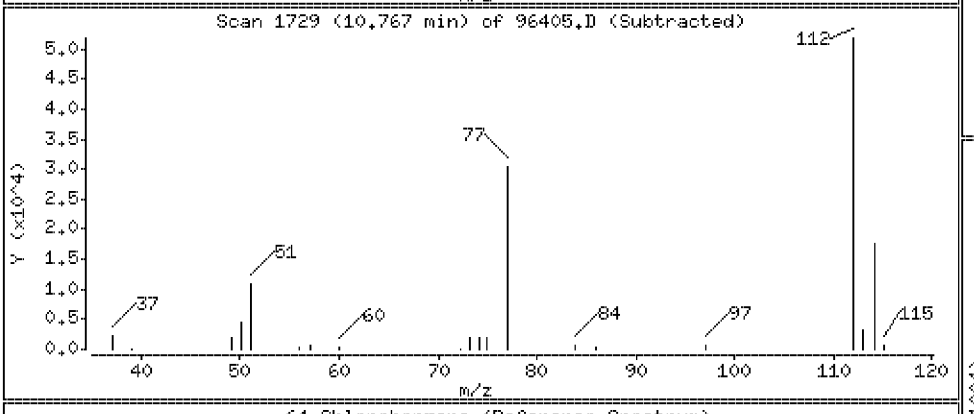
Column phase: DB-624

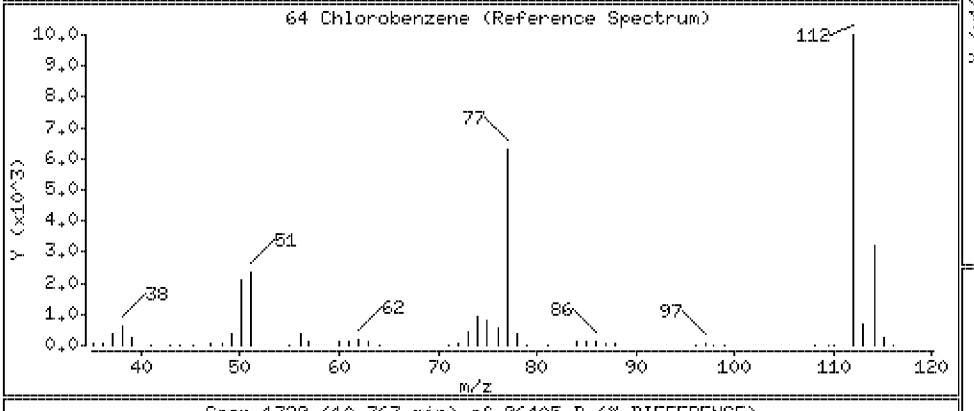
Column diameter: 0.18

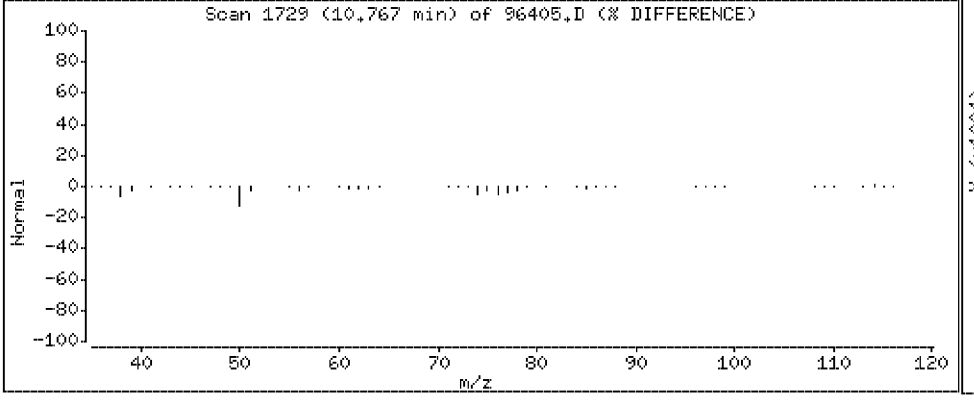
64 Chlorobenzene

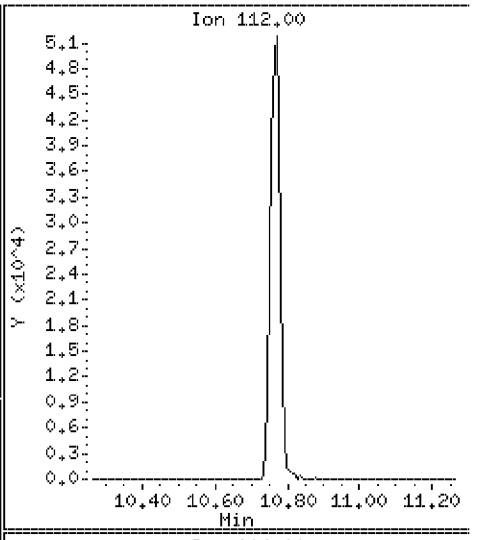
Concentration: 4.4 ug/l

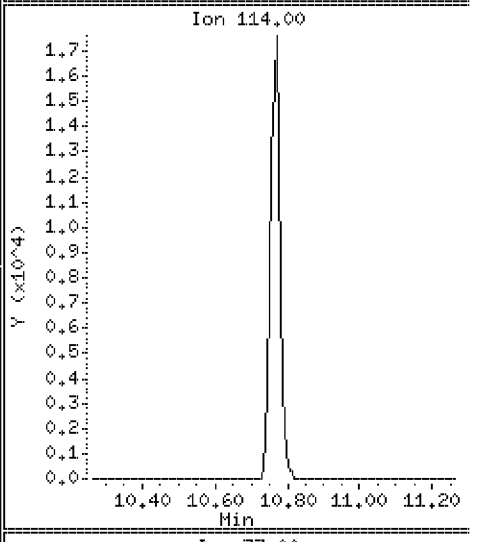


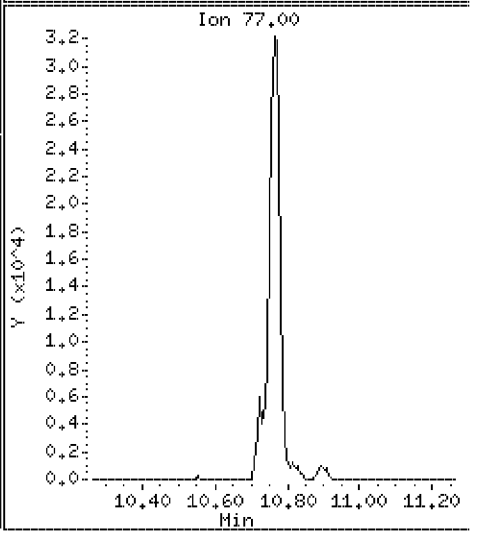












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96405.D

Date : 15-JUN-2007 17:20

Client ID: TO05FD02BL

Instrument: vms03.i

Sample Info: 250696405;2506964;1;

Purge Volume: 5.0

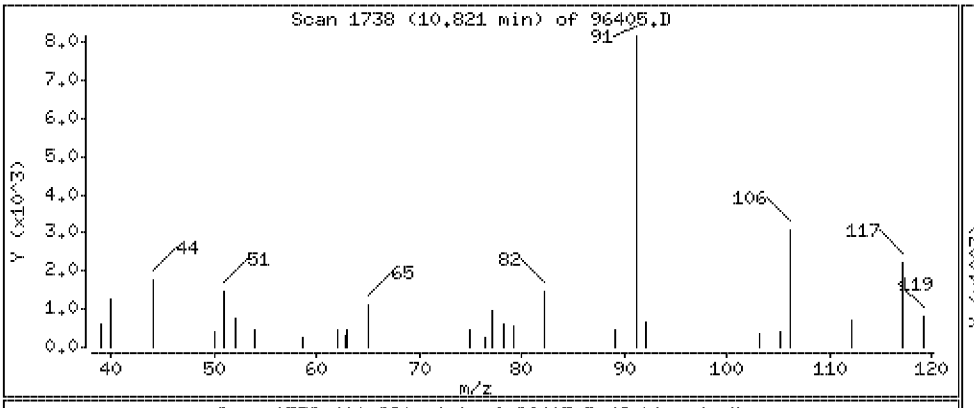
Operator:

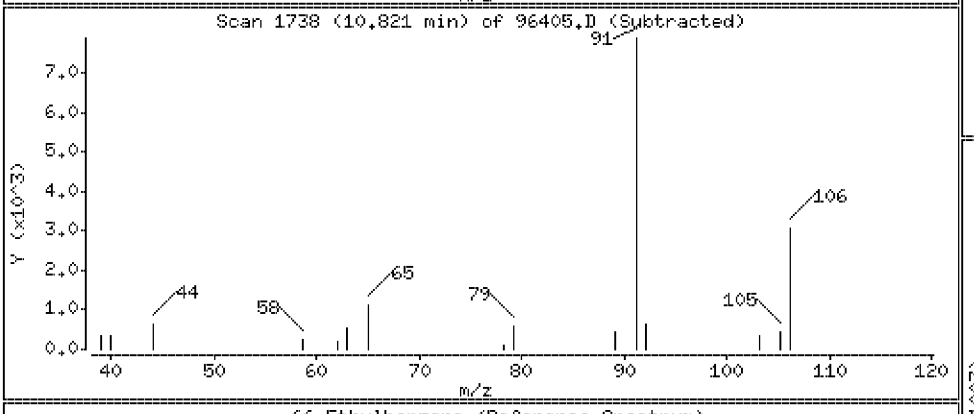
Column phase: DB-624

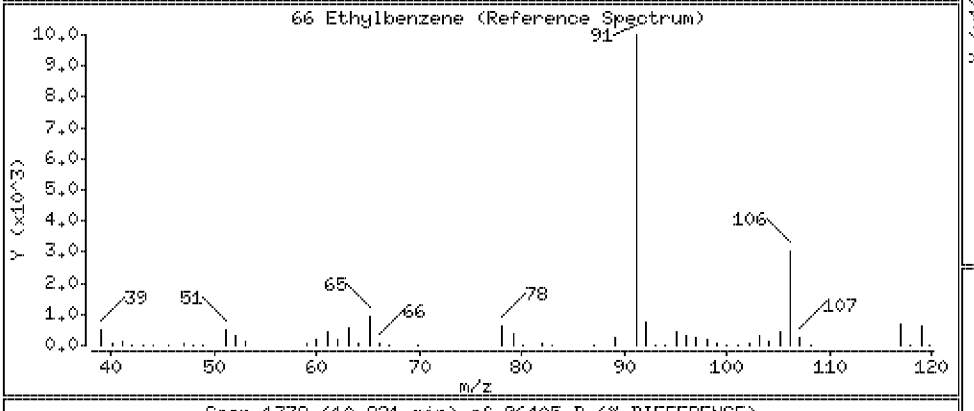
Column diameter: 0.18

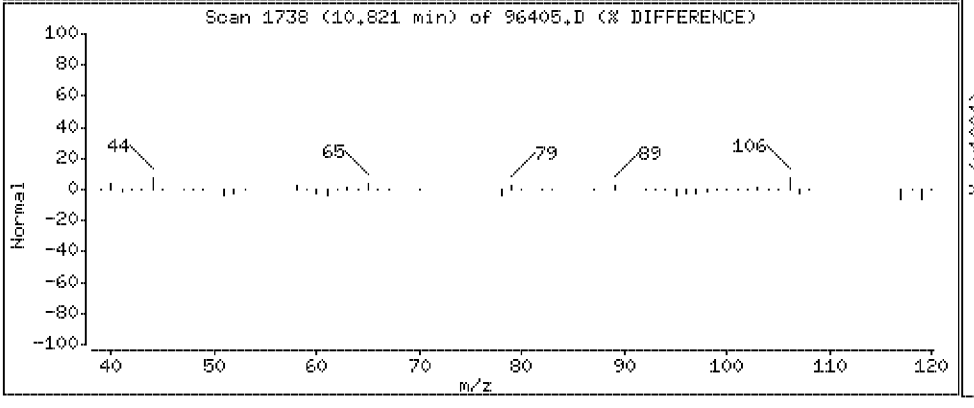
66 Ethylbenzene

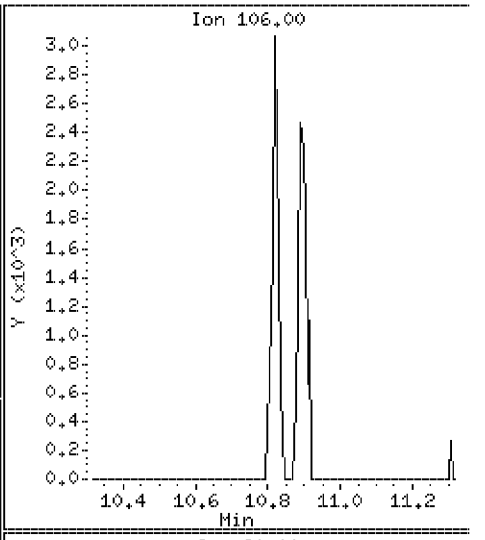
Concentration: 0.38 ug/l

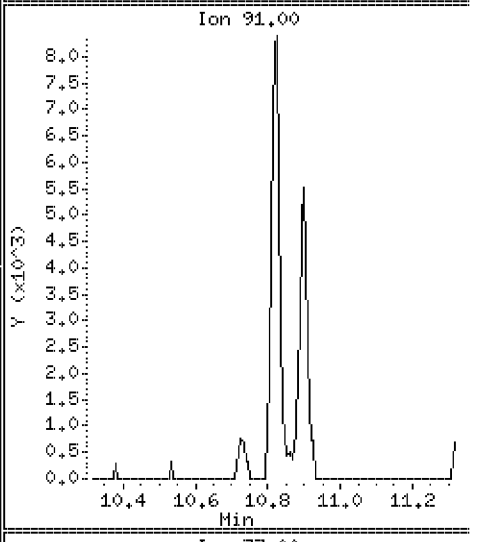


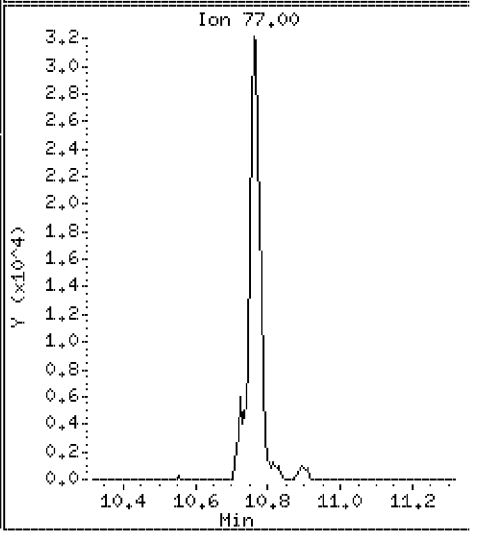












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M306150P.b\96405D.D
Lab Smp Id: 250696405 Client Smp ID: TO05FD02BL
Inj Date : 15-JUN-2007 14:36
Operator : Inst ID: vms03.i
Smp Info : 250696405;2506964;20;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M306150P.b\8260A.m
Meth Date : 20-Jun-2007 10:26 lpelo Quant Type: ISTD
Cal Date : 15-JUN-2007 08:57 Cal File: 80PPB.D
Als bottle: 32
Dil Factor: 20.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	20.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				19836	2.62502	52.5
29 cis-1,2-Dichloroethene	96	5.943	5.937	(0.800)	19836	2.62502	52.5(Q)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.437	6.430	(0.866)	338678	49.9551	50.0
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	7.057	7.051	(0.949)	78818	51.7613	51.8
* 42 FLUOROBENZENE (IS)	96	7.433	7.427	(1.000)	1262473	50.0000	
43 Trichloroethylene	130	7.880	7.875	(1.060)	408029	56.1284	1120
$ 53 TOLUENE d8 (surr)	98	9.174	9.170	(1.234)	1314672	49.3846	49.4
* 63 CHLOROBENZENE d5 (IS)	117	10.727	10.724	(1.000)	932205	50.0000	
64 Chlorobenzene	112	10.767	10.763	(1.004)	6123	0.28487	5.7(a)
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.954	11.951	(0.909)	530048	51.9968	52.0
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.145	13.143	(1.000)	464666	50.0000	

QC Flag Legend

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

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 96405D.D
Lab Smp Id: 250696405
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M306150P.b\8260A.m
Misc Info:

Calibration Date: 15-JUN-2007
Calibration Time: 10:18
Client Smp ID: TO05FD02BL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1288369	644185	2576738	1262473	-2.01
63 CHLOROBENZENE d5	921152	460576	1842304	932205	1.20
86 1,4-DICHLOROBENZE	508073	254037	1016146	464666	-8.54

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.07
63 CHLOROBENZENE d5	10.72	10.22	11.22	10.73	0.03
86 1,4-DICHLOROBENZE	13.14	12.64	13.64	13.15	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96405D.D

Date : 15-JUN-2007 14:36

Client ID: T005FD02BL

Instrument: vms03.i

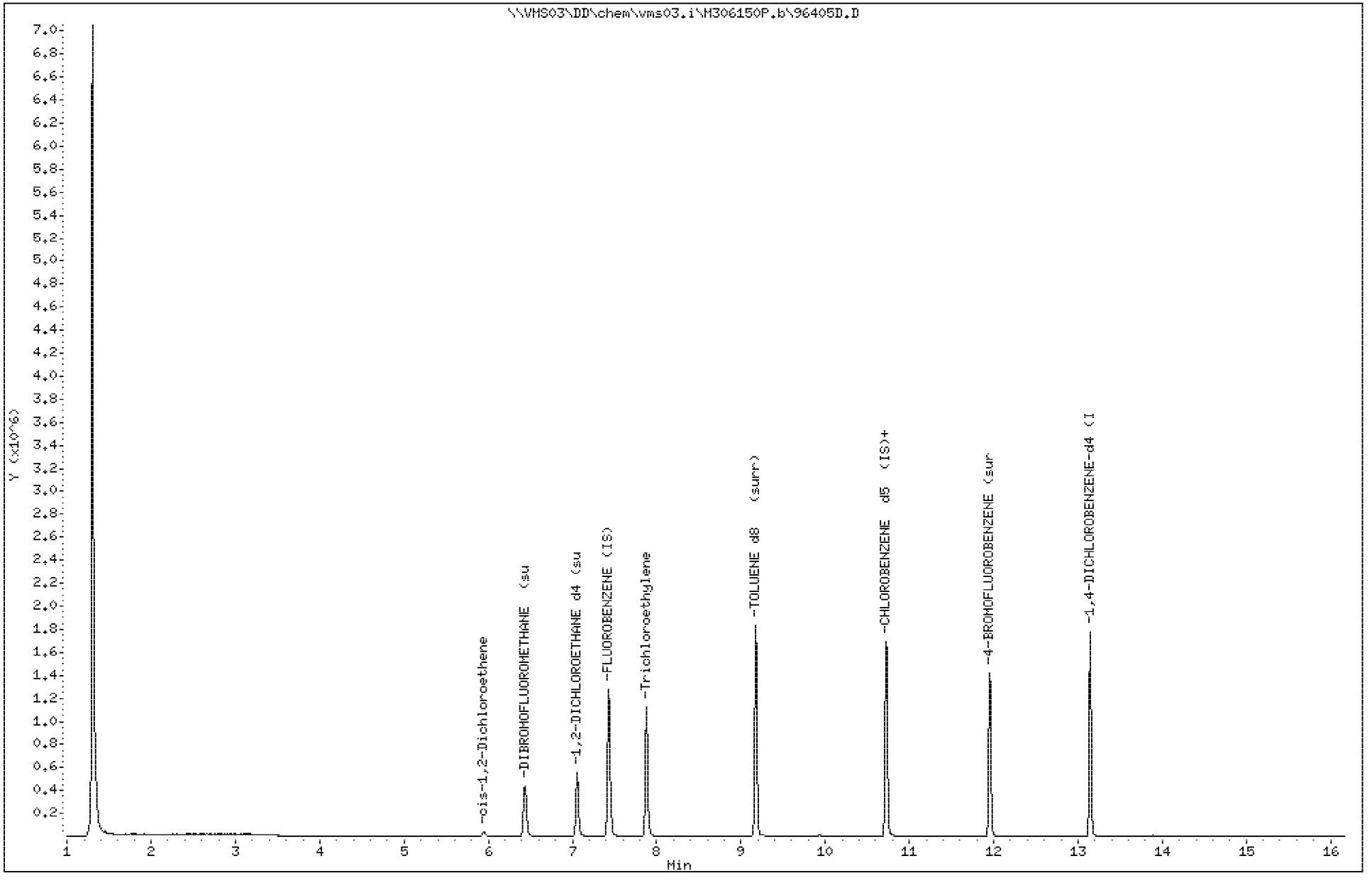
Sample Info: 250696405;2506964;20;

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96405D.D

Date : 15-JUN-2007 14:36

Client ID: TO05FD02BL

Instrument: vms03.i

Sample Info: 250696405;2506964;20;

Purge Volume: 5.0

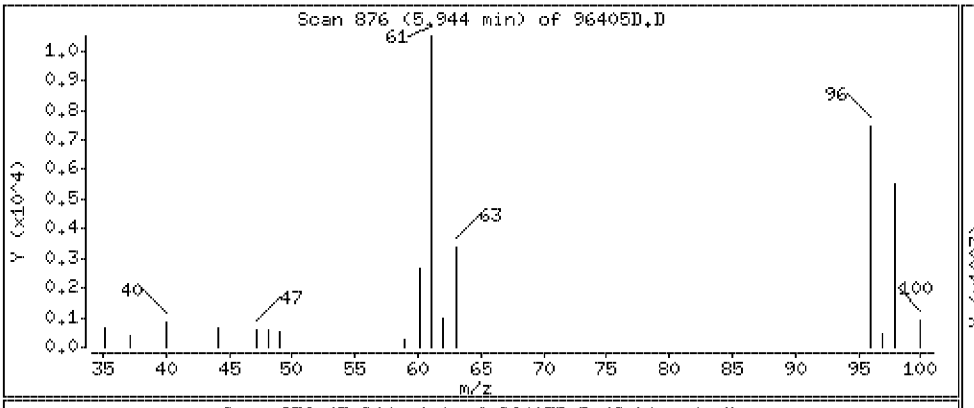
Operator:

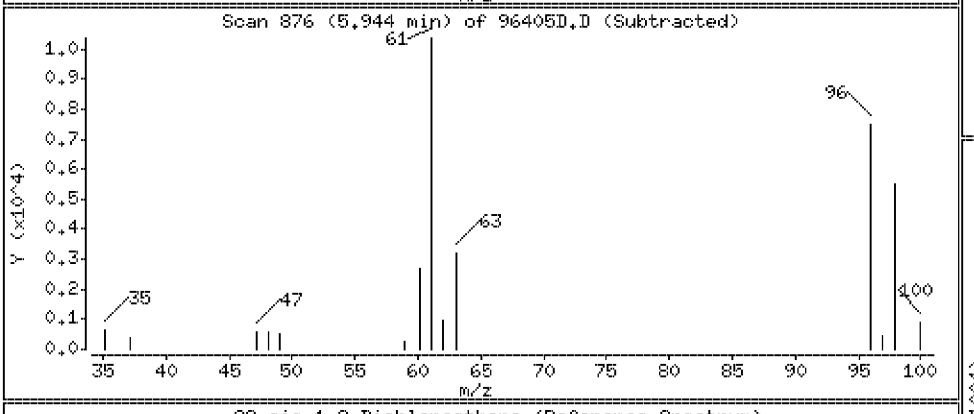
Column phase: DB-624

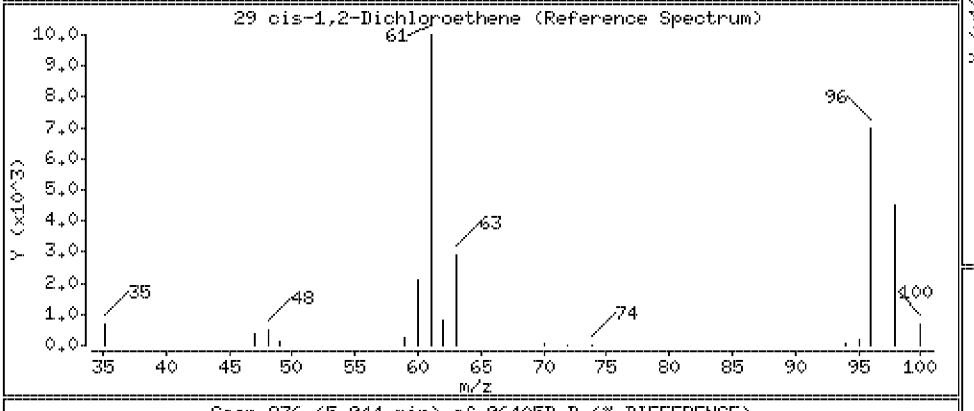
Column diameter: 0.18

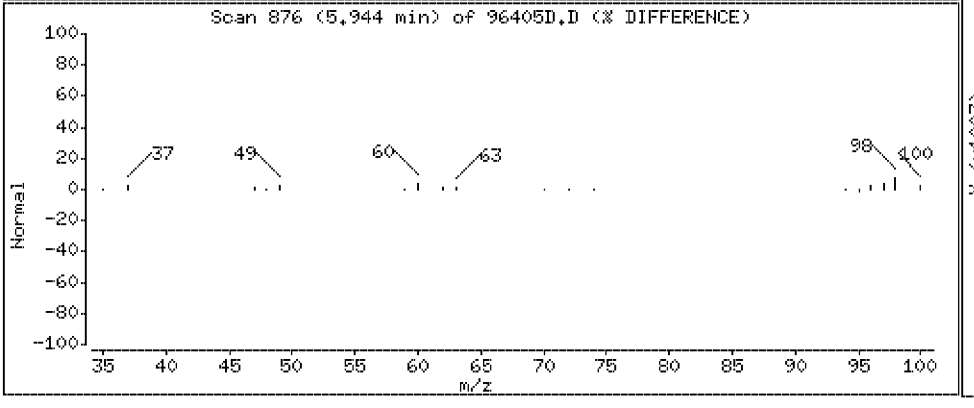
29 cis-1,2-Dichloroethene

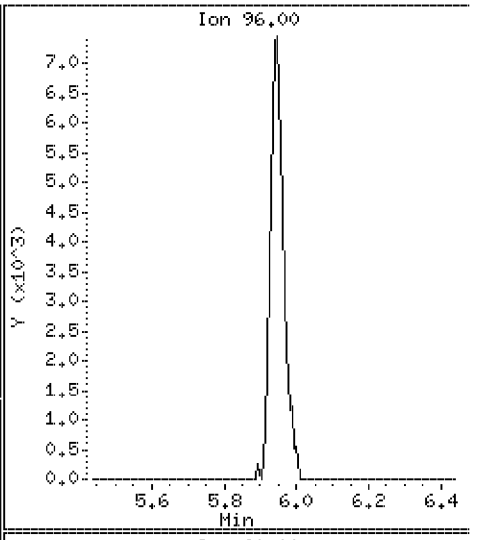
Concentration: 52.5 ug/l

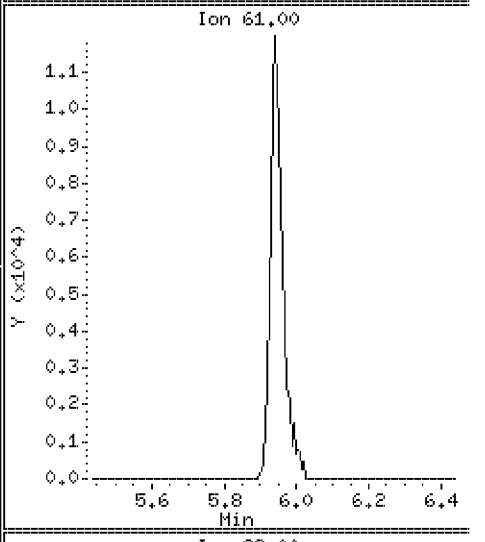


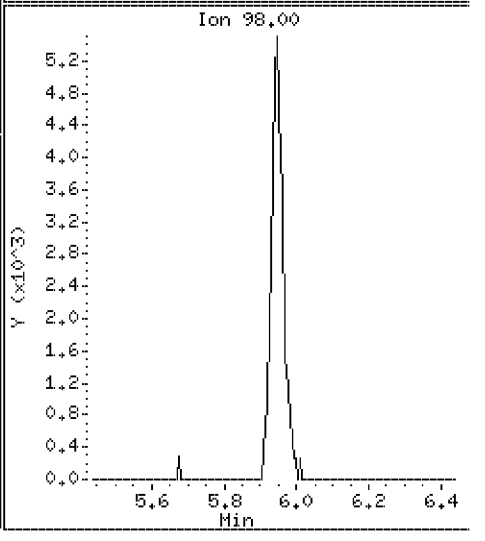












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96405D.D

Date : 15-JUN-2007 14:36

Client ID: TO05FD02BL

Instrument: vms03.i

Sample Info: 250696405;2506964;20;

Purge Volume: 5.0

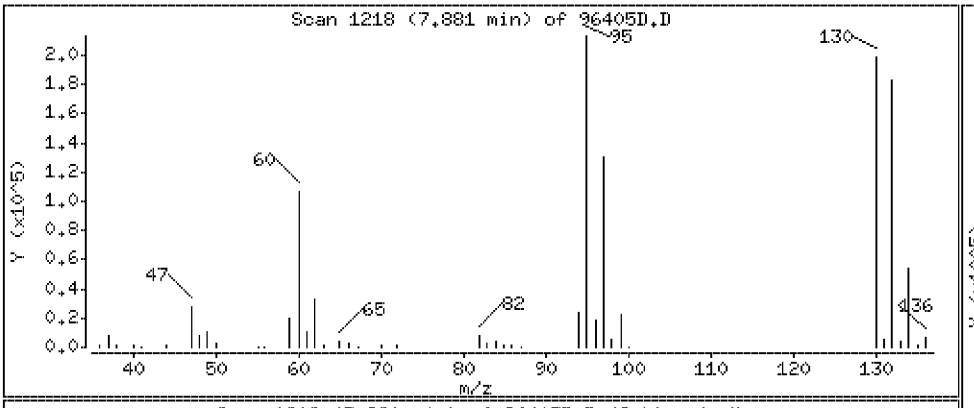
Operator:

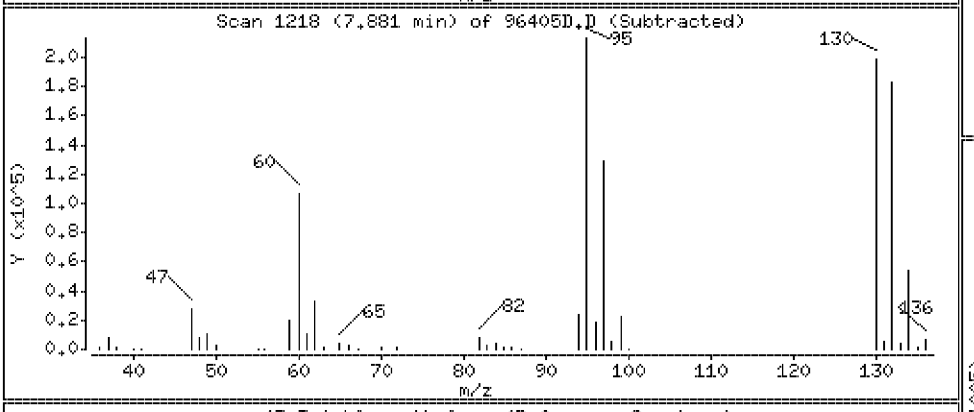
Column phase: DB-624

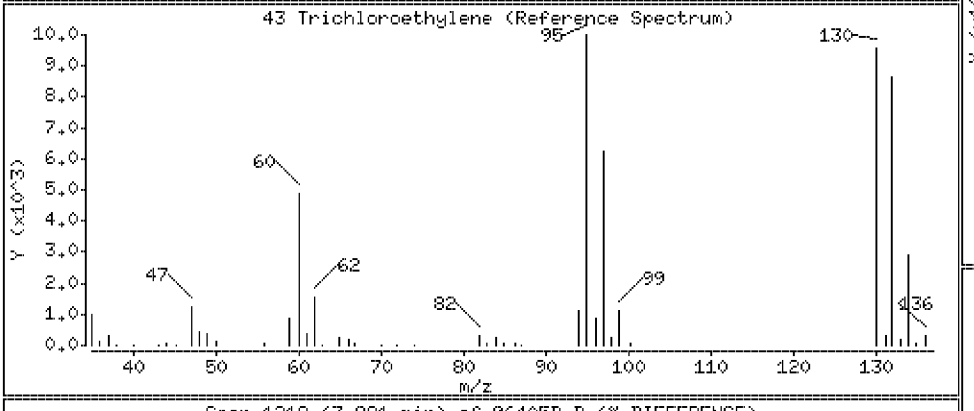
Column diameter: 0.18

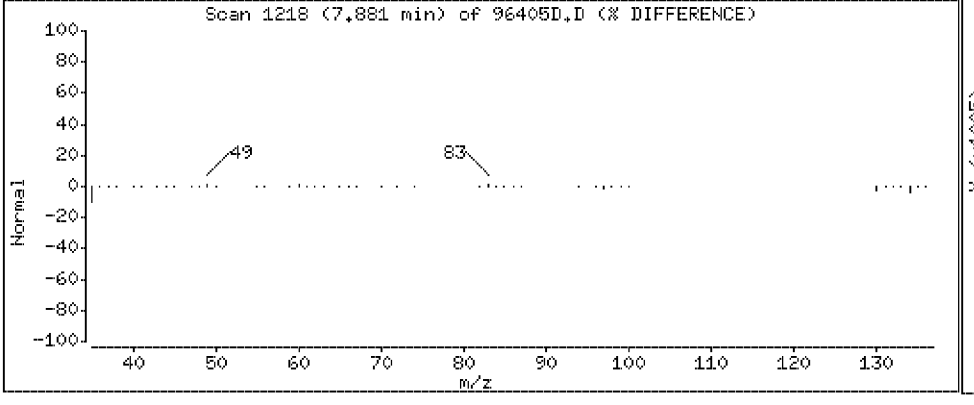
43 Trichloroethylene

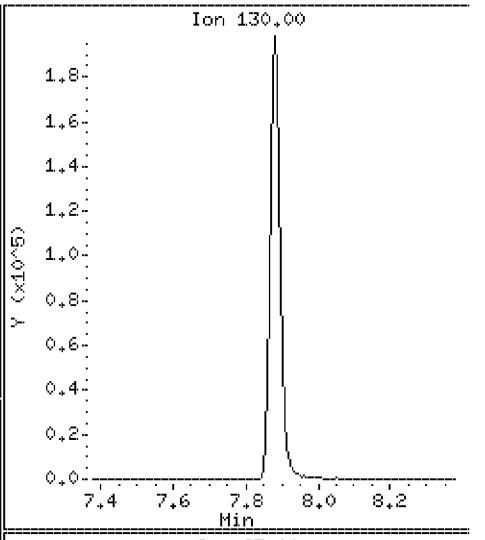
Concentration: 1120 ug/l

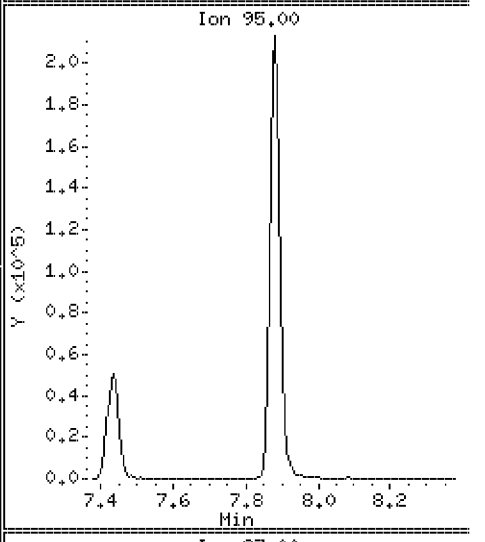


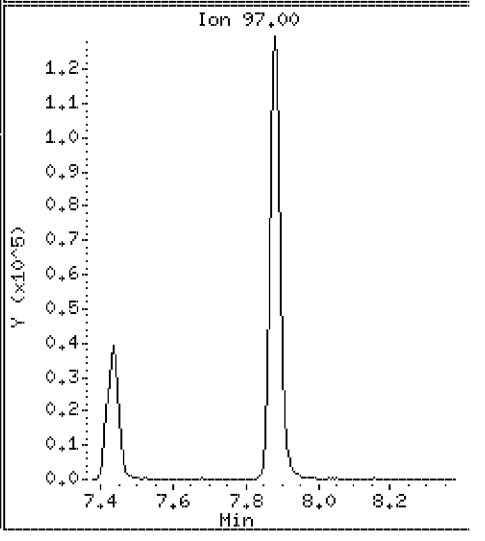












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96405D.D

Date : 15-JUN-2007 14:36

Client ID: TO05FD02BL

Instrument: vms03.i

Sample Info: 250696405;2506964;20;

Purge Volume: 5.0

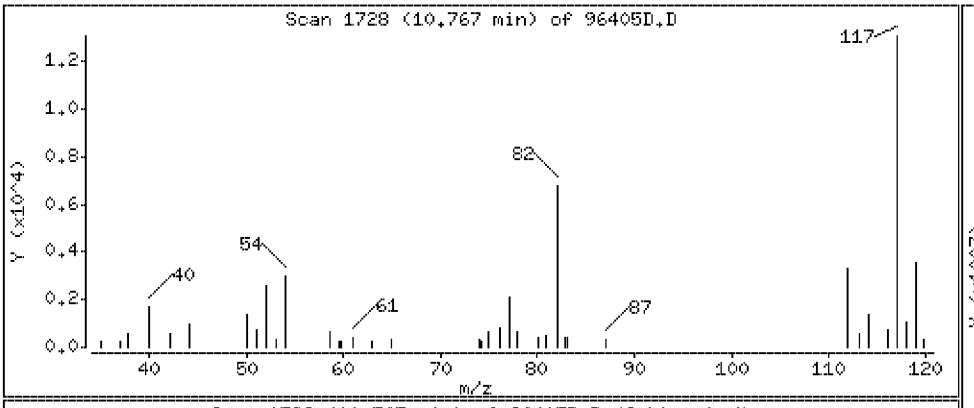
Operator:

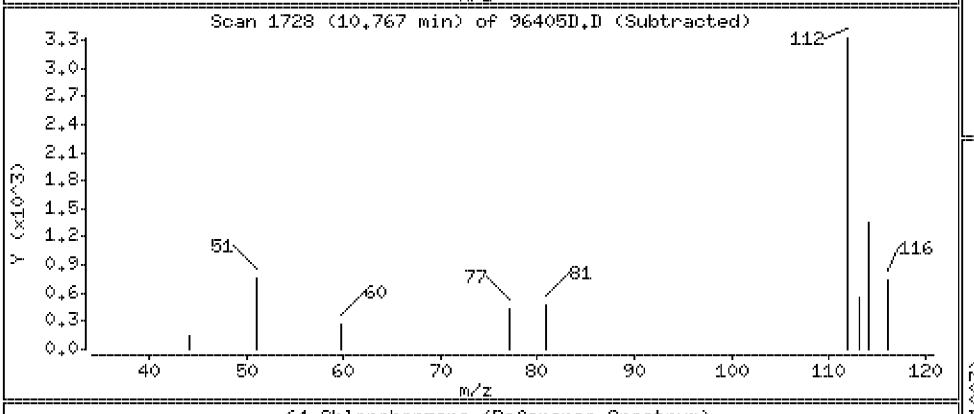
Column phase: DB-624

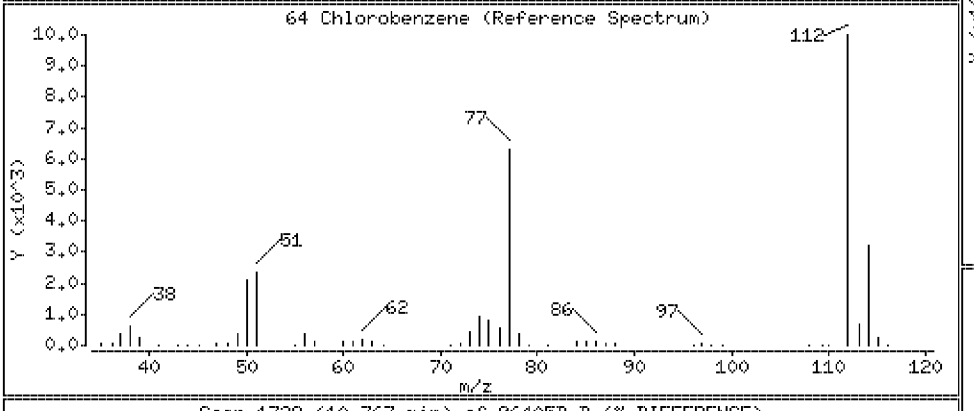
Column diameter: 0.18

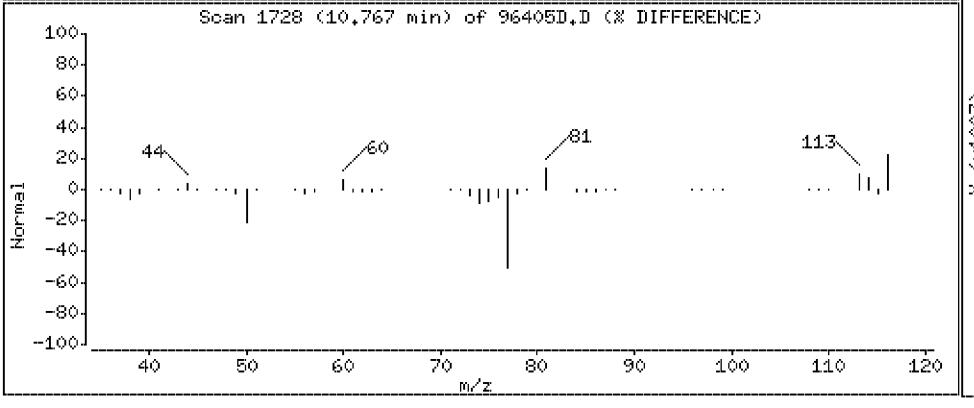
64 Chlorobenzene

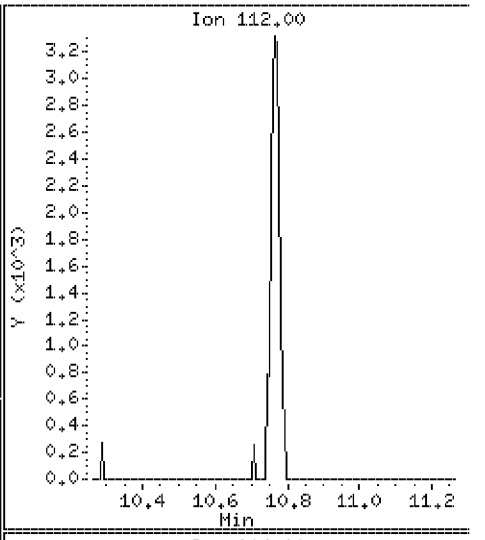
Concentration: 5.7 ug/l

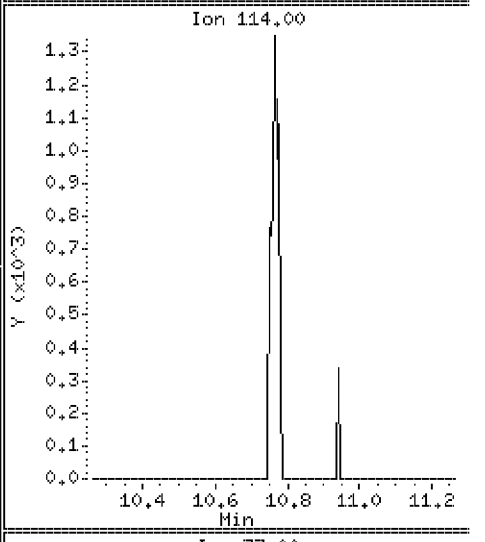


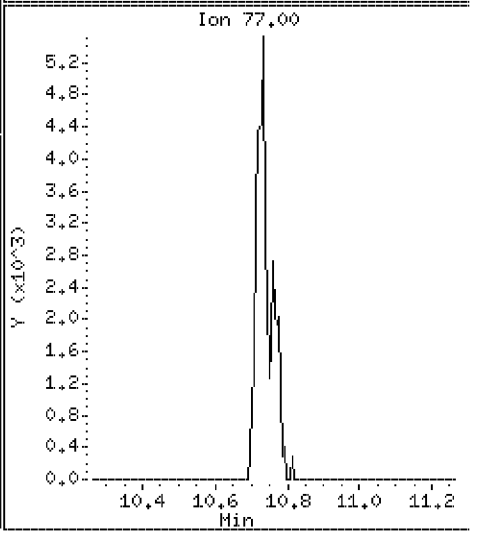












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M306150P.b\96406.D
Lab Smp Id: 250696406 Client Smp ID: TO05MW41BBL
Inj Date : 15-JUN-2007 14:12
Operator : Inst ID: vms03.i
Smp Info : 250696406;2506964;1;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M306150P.b\8260A.m
Meth Date : 20-Jun-2007 10:26 lpelo Quant Type: ISTD
Cal Date : 15-JUN-2007 08:57 Cal File: 80PPB.D
Als bottle: 31
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				3168	0.42519	0.42(a)
M 2 Xylenes (Total)	100				8680	0.62269	0.62(a)
6 Vinyl Chloride	62	1.767	1.758	(0.238)	8158	0.64592	0.64(a)
29 cis-1,2-Dichloroethene	96	5.938	5.937	(0.799)	3168	0.42519	0.42(a)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.437	6.430	(0.866)	330112	49.3820	49.4
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	7.056	7.051	(0.949)	73378	48.8720	48.9
41 Benzene	78	7.170	7.163	(0.965)	53519	1.88353	1.9
* 42 FLUOROBENZENE (IS)	96	7.433	7.427	(1.000)	1244823	50.0000	
43 Trichloroethylene	130	7.882	7.875	(1.060)	21352	2.97882	3.0
$ 53 TOLUENE d8 (surr)	98	9.174	9.170	(1.234)	1292060	49.2233	49.2
* 63 CHLOROBENZENE d5 (IS)	117	10.727	10.724	(1.000)	916238	50.0000	
67 p,m-Xylene	106	10.896	10.895	(1.016)	8680	0.62269	0.62(a)
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.953	11.951	(0.909)	514837	51.0305	51.0
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.145	13.143	(1.000)	459878	50.0000	

QC Flag Legend

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

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 96406.D
Lab Smp Id: 250696406
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M306150P.b\8260A.m
Misc Info:

Calibration Date: 15-JUN-2007
Calibration Time: 10:18
Client Smp ID: TO05MW41BBL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1288369	644185	2576738	1244823	-3.38
63 CHLOROBENZENE d5	921152	460576	1842304	916238	-0.53
86 1,4-DICHLOROBENZE	508073	254037	1016146	459878	-9.49

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.08
63 CHLOROBENZENE d5	10.72	10.22	11.22	10.73	0.03
86 1,4-DICHLOROBENZE	13.14	12.64	13.64	13.15	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96406.D

Date : 15-JUN-2007 14:12

Client ID: TO05MW41BBL

Instrument: vms03.i

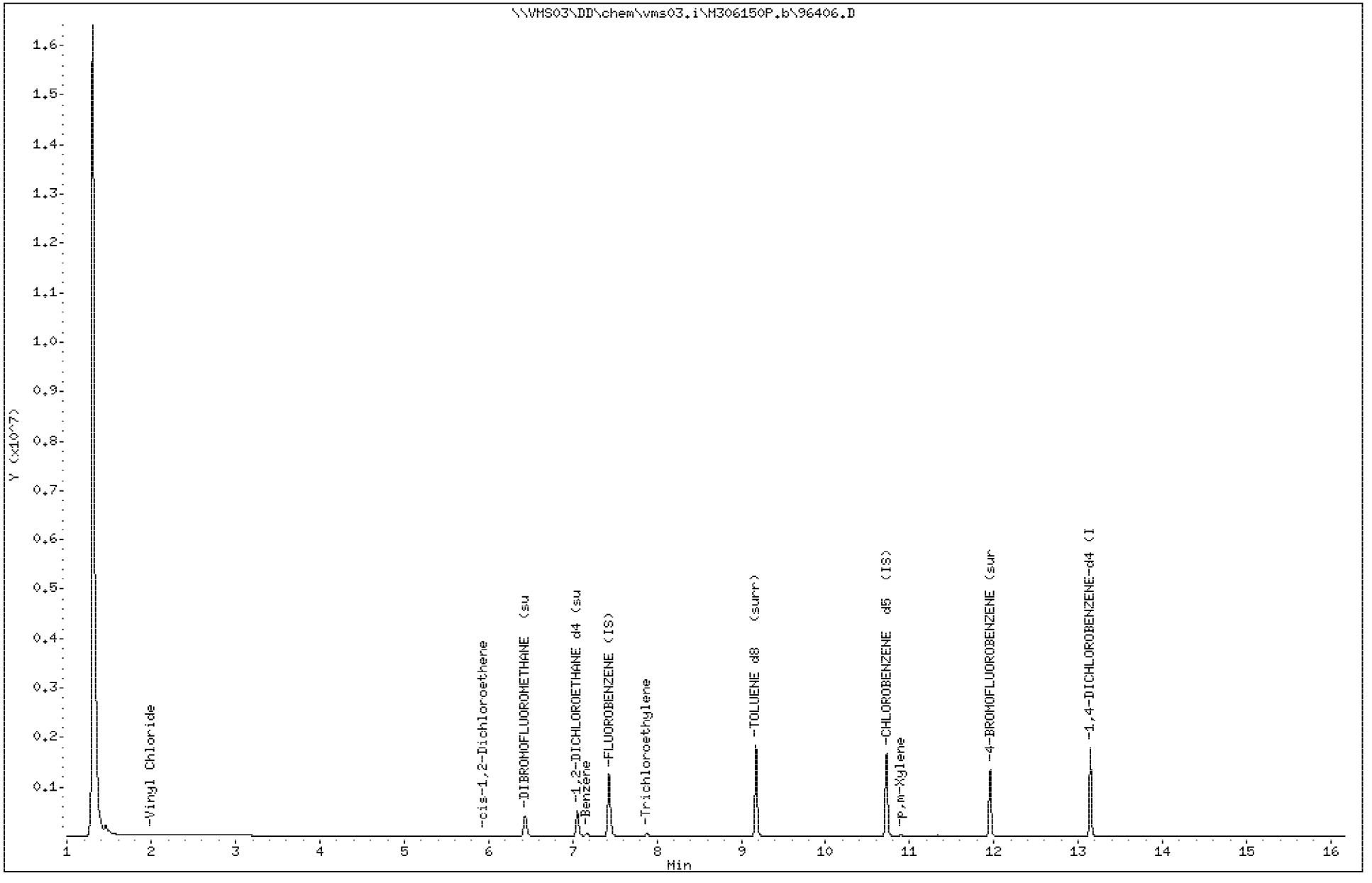
Sample Info: 250696406;2506964;1;

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96406.D

Date : 15-JUN-2007 14:12

Client ID: TO05MW41BBL

Instrument: vms03.i

Sample Info: 250696406;2506964;1;

Purge Volume: 5.0

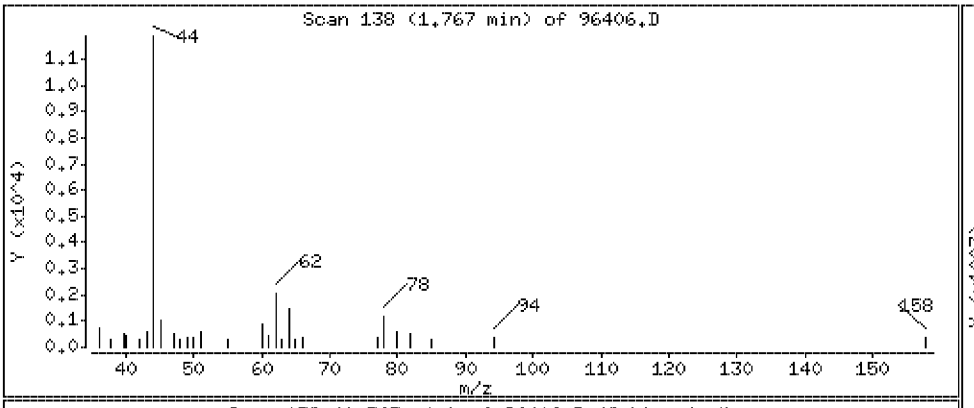
Operator:

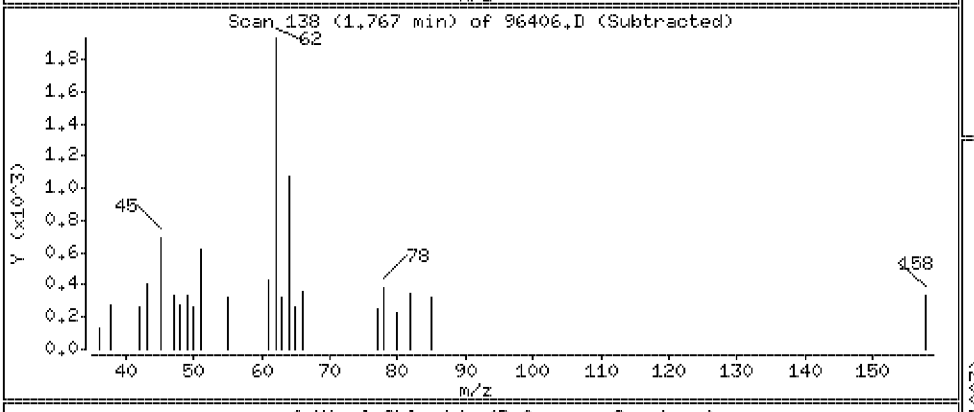
Column phase: DB-624

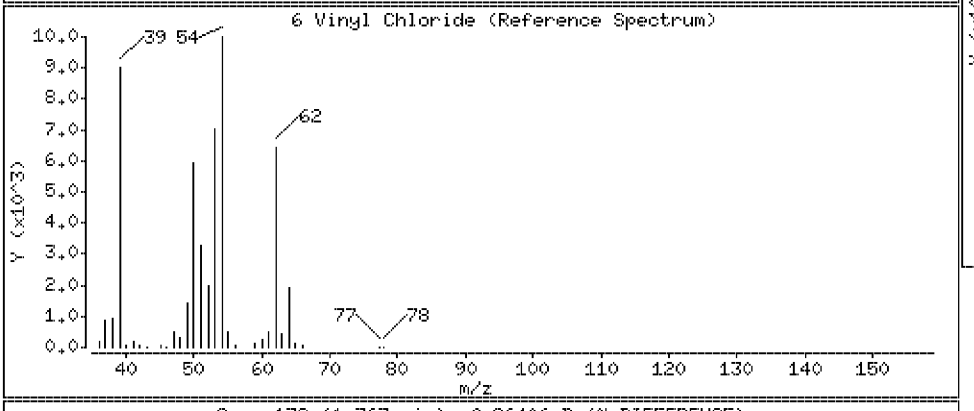
Column diameter: 0.18

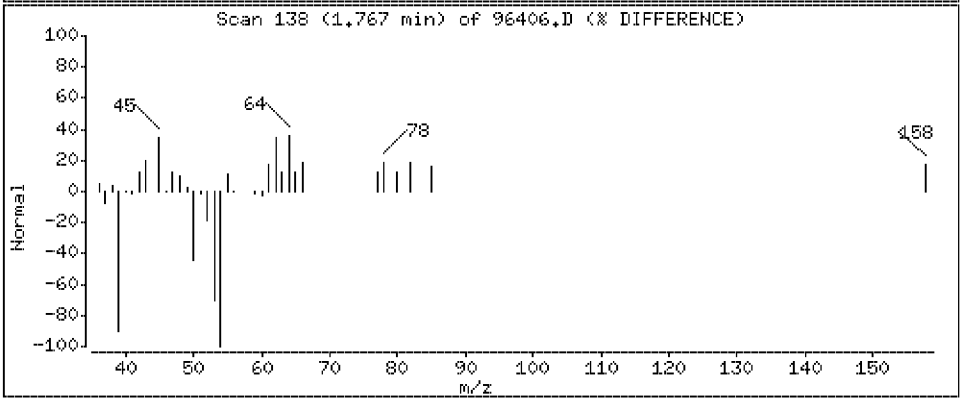
6 Vinyl Chloride

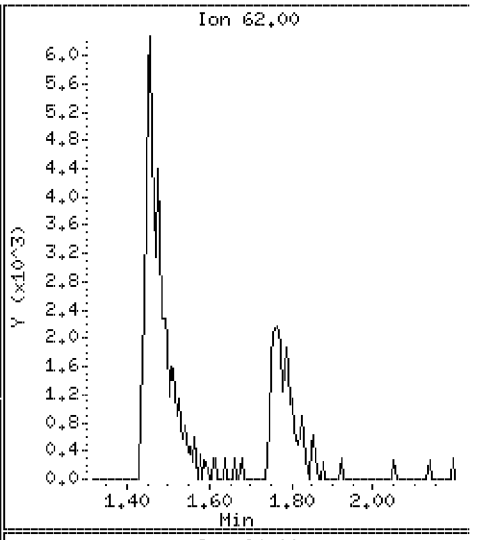
Concentration: 0.64 ug/l

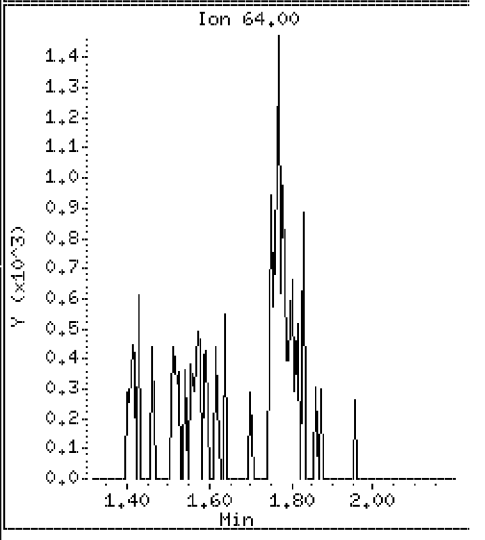












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96406.D

Date : 15-JUN-2007 14:12

Client ID: TO05MW41BBL

Instrument: vms03.i

Sample Info: 250696406;2506964;1;

Purge Volume: 5.0

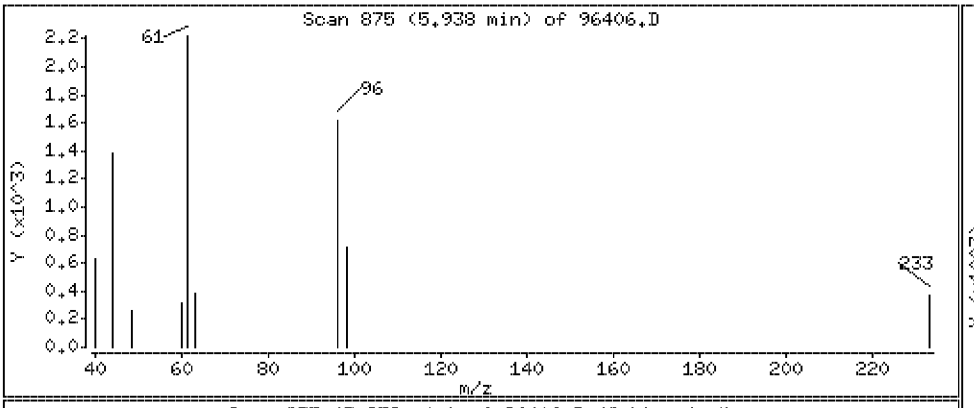
Operator:

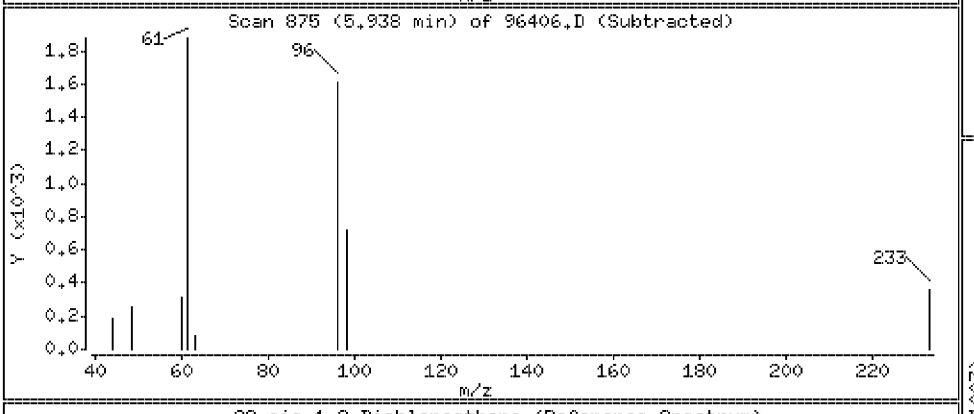
Column phase: DB-624

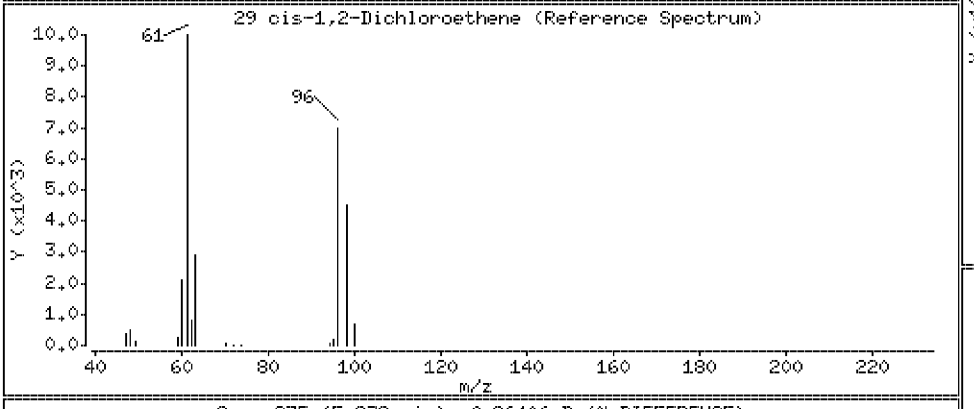
Column diameter: 0.18

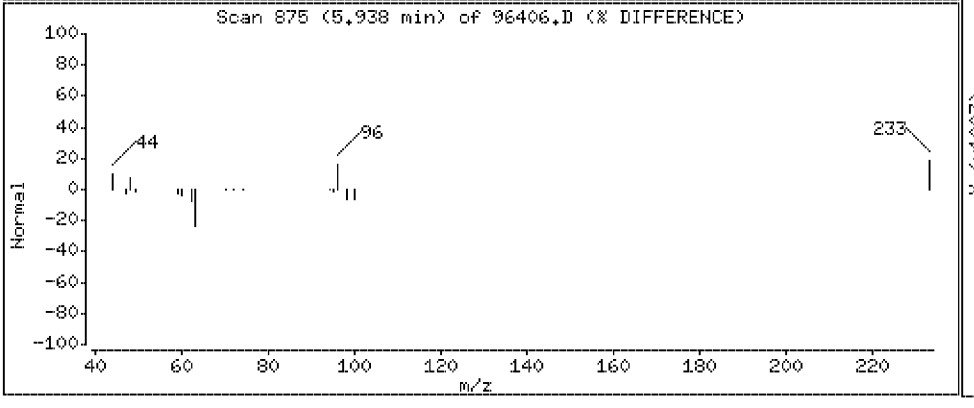
29 cis-1,2-Dichloroethene

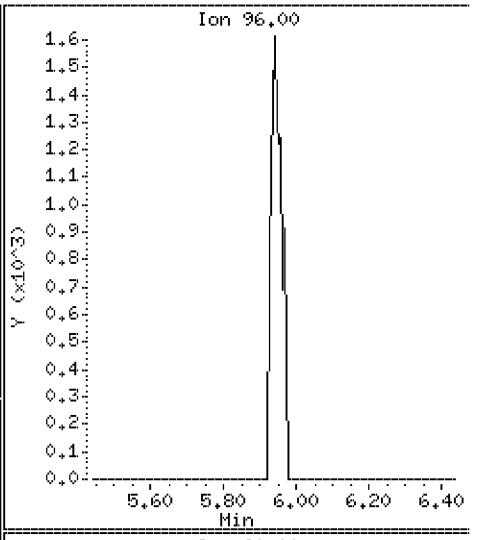
Concentration: 0.42 ug/l

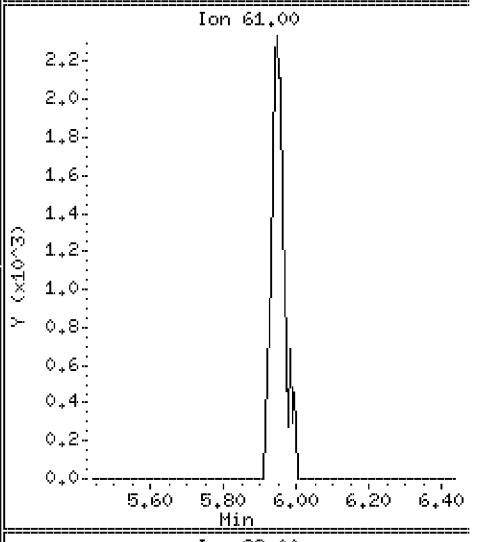


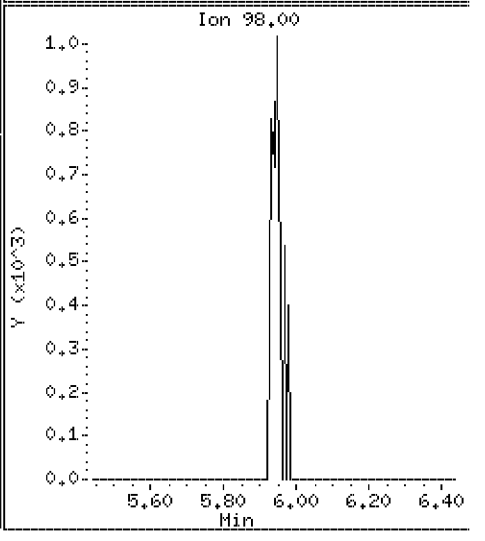












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96406.D

Date : 15-JUN-2007 14:12

Client ID: TO05MW41BBL

Instrument: vms03.i

Sample Info: 250696406;2506964;1;

Purge Volume: 5.0

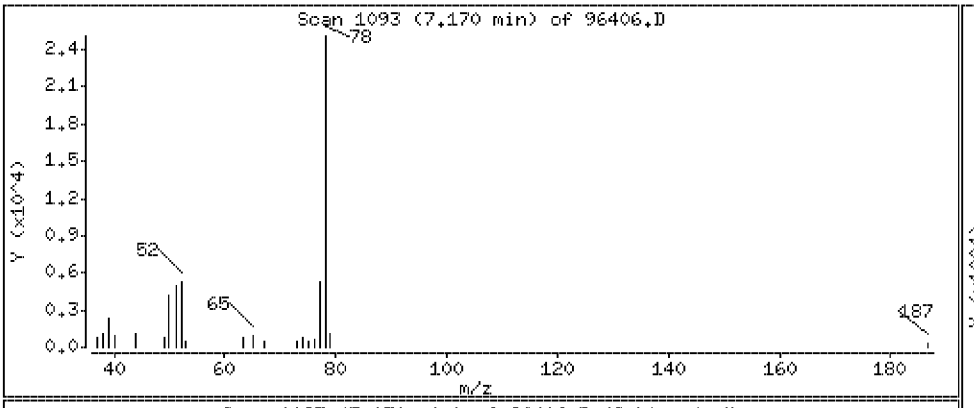
Operator:

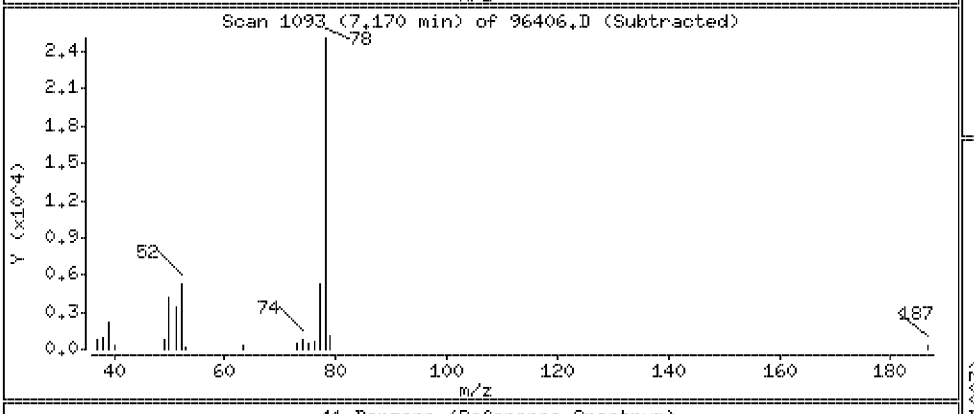
Column phase: DB-624

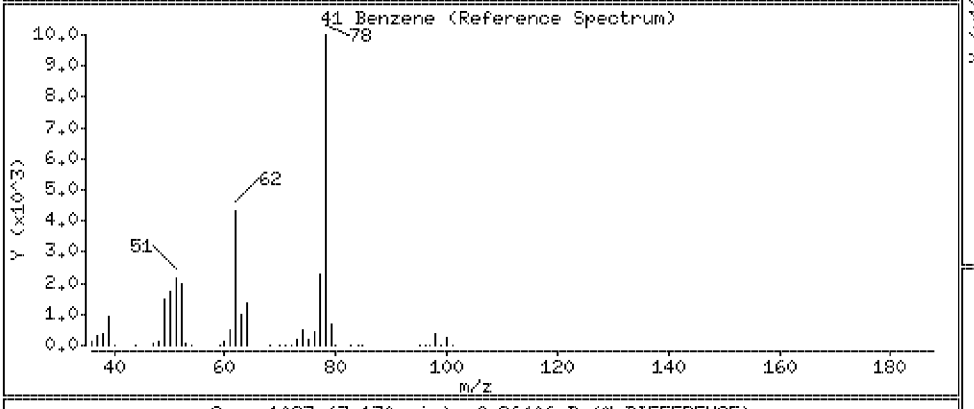
Column diameter: 0.18

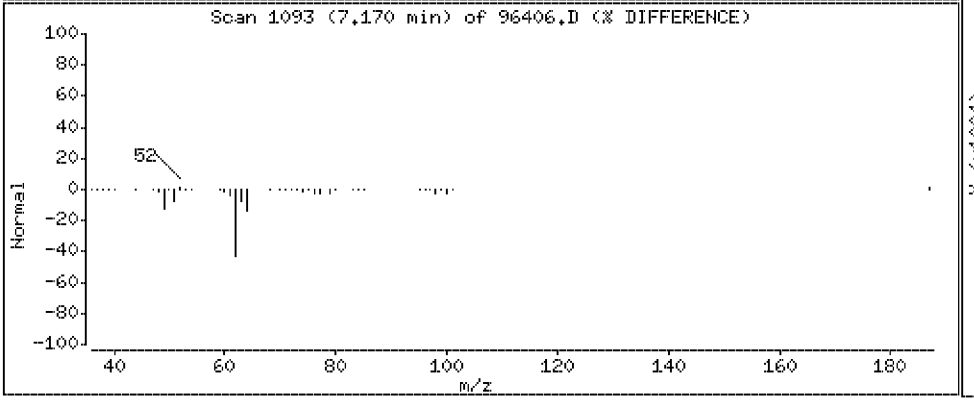
41 Benzene

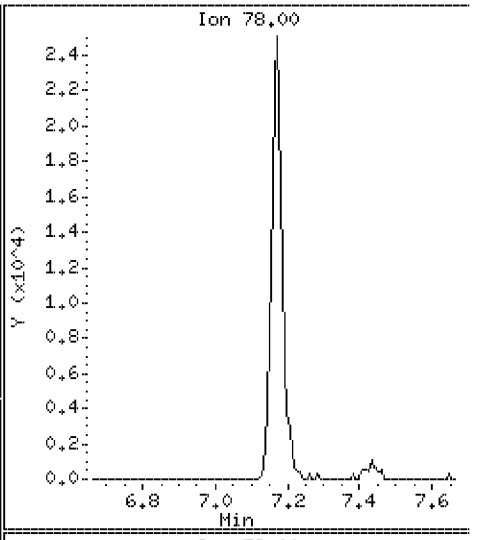
Concentration: 1.9 ug/l

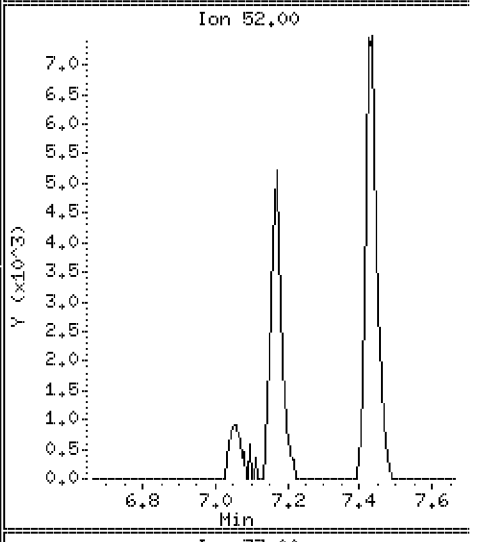


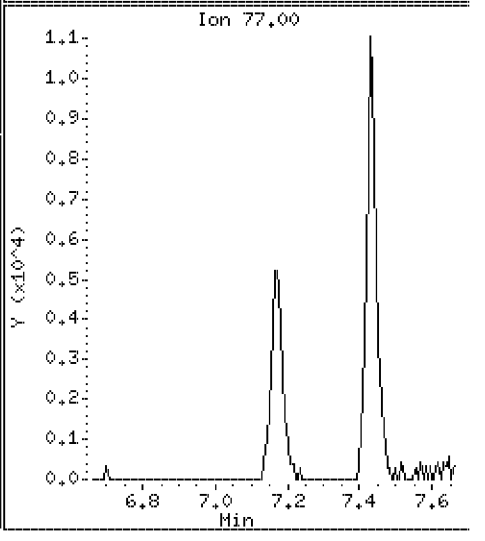












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96406.D

Date : 15-JUN-2007 14:12

Client ID: TO05MW41BBL

Instrument: vms03.i

Sample Info: 250696406;2506964;1;

Purge Volume: 5.0

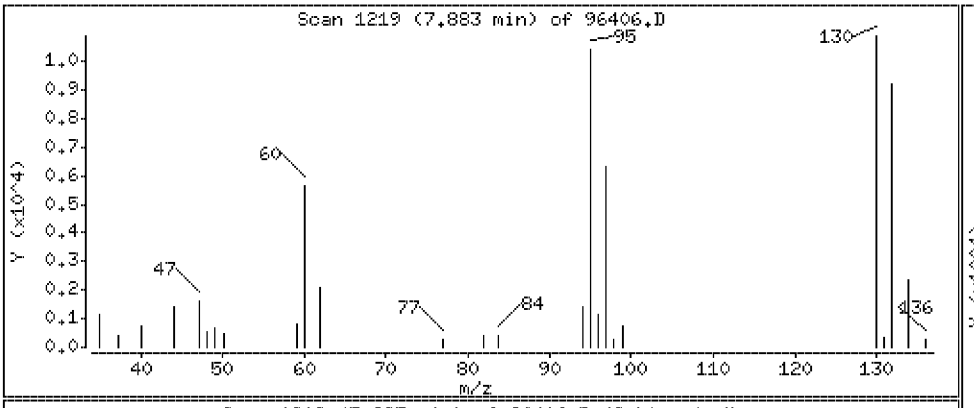
Operator:

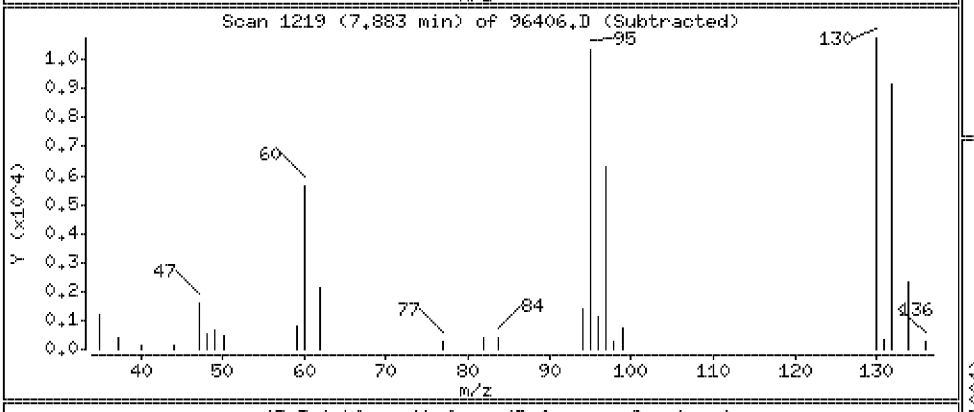
Column phase: DB-624

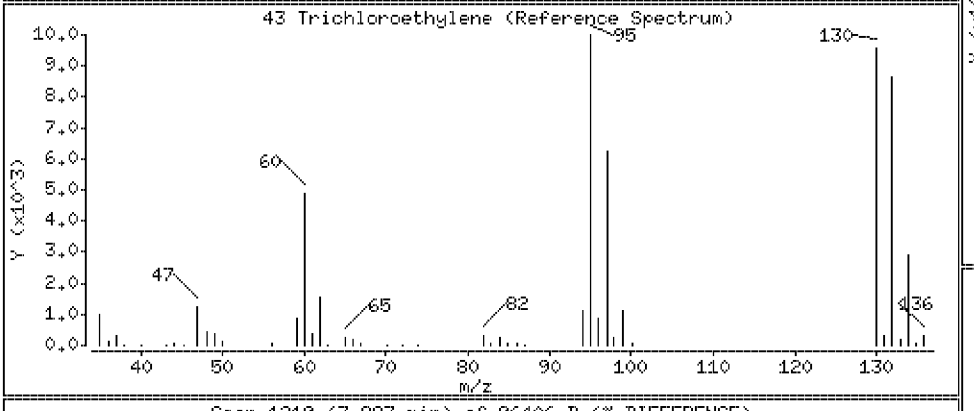
Column diameter: 0.18

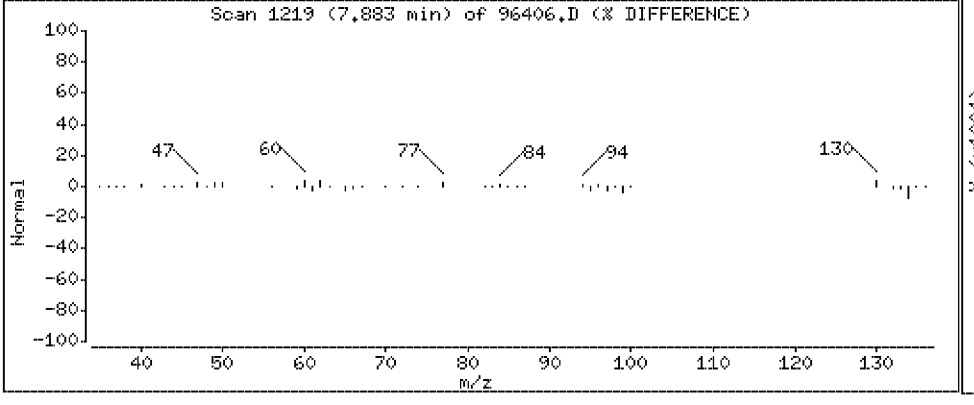
43 Trichloroethylene

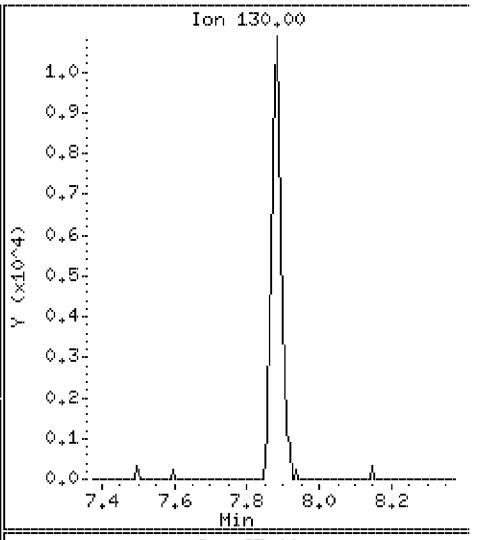
Concentration: 3.0 ug/l

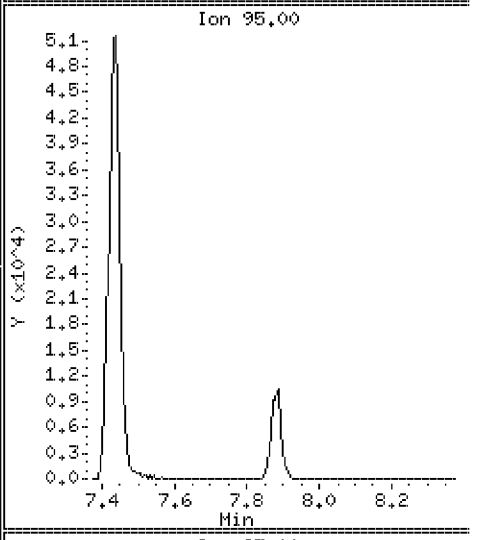


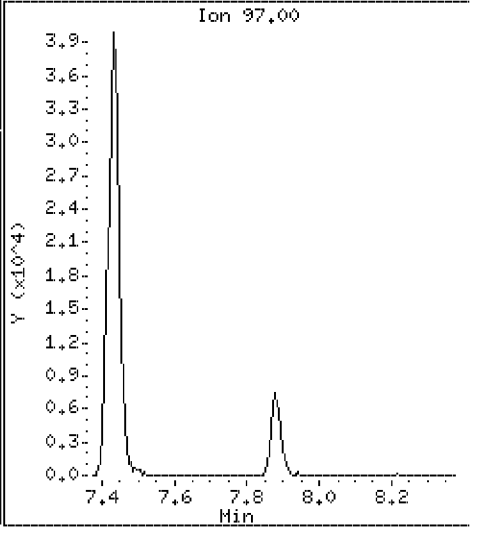












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96406.D

Date : 15-JUN-2007 14:12

Client ID: TO05MW41BBL

Instrument: vms03.i

Sample Info: 250696406;2506964;1;

Purge Volume: 5.0

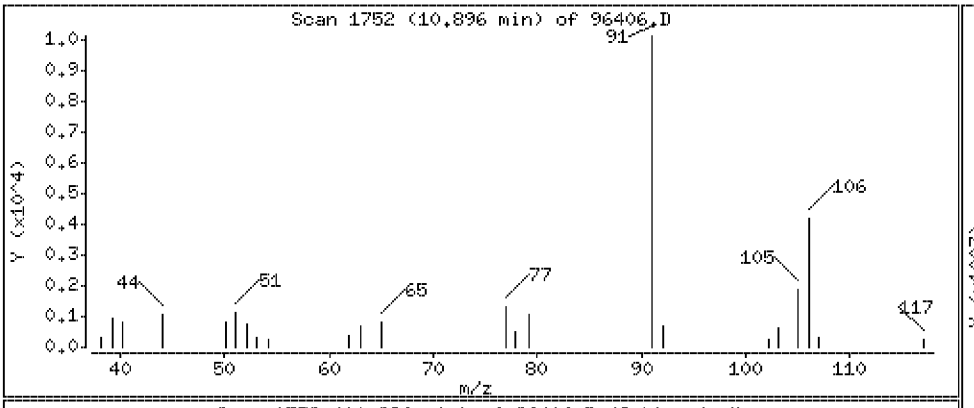
Operator:

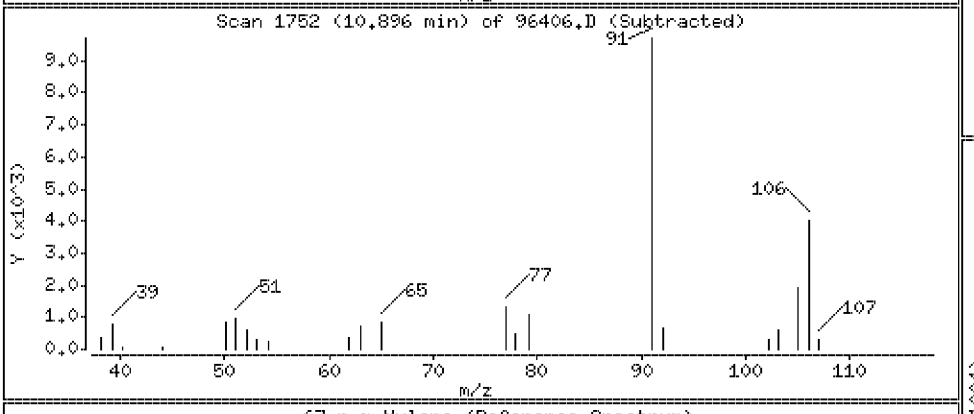
Column phase: DB-624

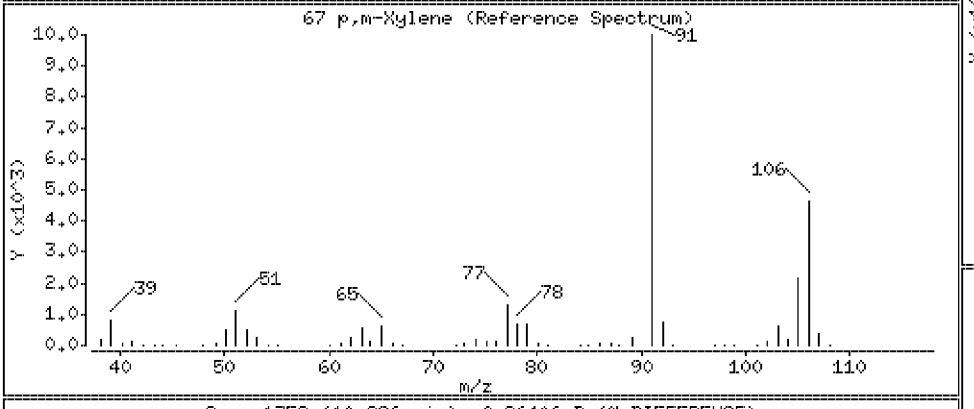
Column diameter: 0.18

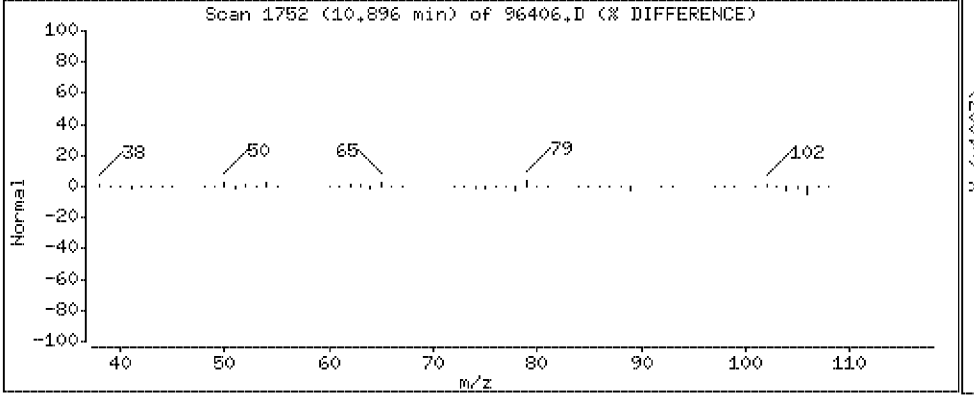
67 p,m-Xylene

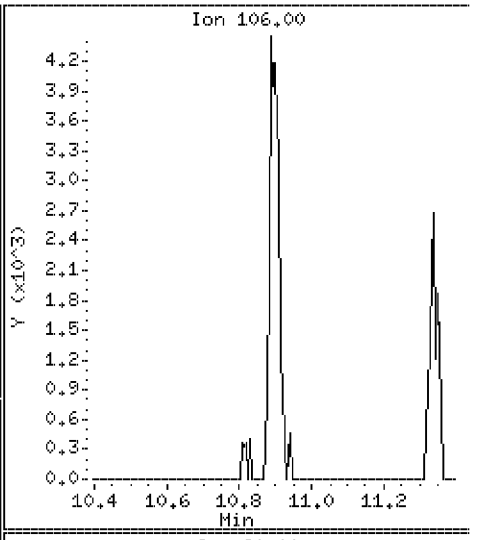
Concentration: 0.62 ug/l

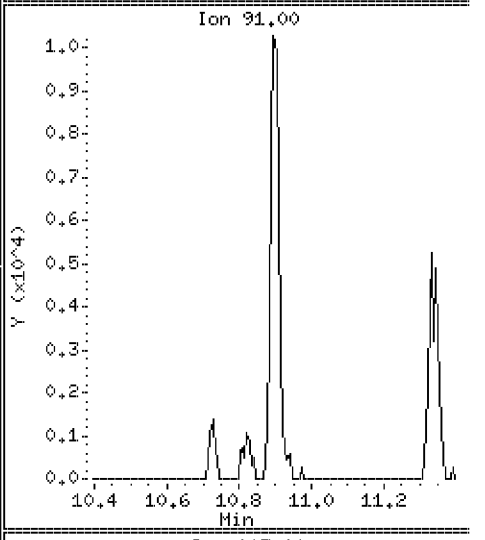


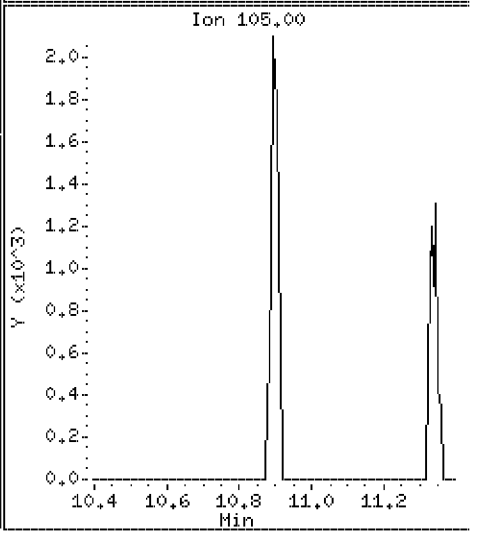












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M306150P.b\96409.D
Lab Smp Id: 250696409 Client Smp ID: TO05MW39BBL
Inj Date : 15-JUN-2007 13:49
Operator : Inst ID: vms03.i
Smp Info : 250696409;2506964;1;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M306150P.b\8260A.m
Meth Date : 20-Jun-2007 10:26 lpelo Quant Type: ISTD
Cal Date : 15-JUN-2007 08:57 Cal File: 80PPB.D
Als bottle: 30
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				55782	7.50225	7.5
6 Vinyl Chloride	62	1.765	1.758	(0.238)	17369	2.16029	2.2
29 cis-1,2-Dichloroethene	96	5.943	5.937	(0.800)	55782	7.50225	7.5(q)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.436	6.430	(0.866)	332109	49.7842	49.8
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	7.056	7.051	(0.949)	78629	52.4784	52.5(q)
* 42 FLUOROBENZENE (IS)	96	7.432	7.427	(1.000)	1242235	50.0000	
43 Trichloroethylene	130	7.880	7.875	(1.060)	281190	39.3106	39.3
$ 53 TOLUENE d8 (surr)	98	9.173	9.170	(1.234)	1316061	50.2422	50.2
59 Tetrachloroethylene	164	9.925	9.926	(0.925)	13488	2.33008	2.3
* 63 CHLOROBENZENE d5 (IS)	117	10.727	10.724	(1.000)	919213	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.953	11.951	(0.909)	519477	51.7743	51.8
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.145	13.143	(1.000)	457356	50.0000	

QC Flag Legend

q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 96409.D
Lab Smp Id: 250696409
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M306150P.b\8260A.m
Misc Info:

Calibration Date: 15-JUN-2007
Calibration Time: 10:18
Client Smp ID: TO05MW39BBL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1288369	644185	2576738	1242235	-3.58
63 CHLOROBENZENE d5	921152	460576	1842304	919213	-0.21
86 1,4-DICHLOROBENZE	508073	254037	1016146	457356	-9.98

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.06
63 CHLOROBENZENE d5	10.72	10.22	11.22	10.73	0.03
86 1,4-DICHLOROBENZE	13.14	12.64	13.64	13.15	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96409.D

Date : 15-JUN-2007 13:49

Client ID: TO05MW39BBL

Instrument: vms03.i

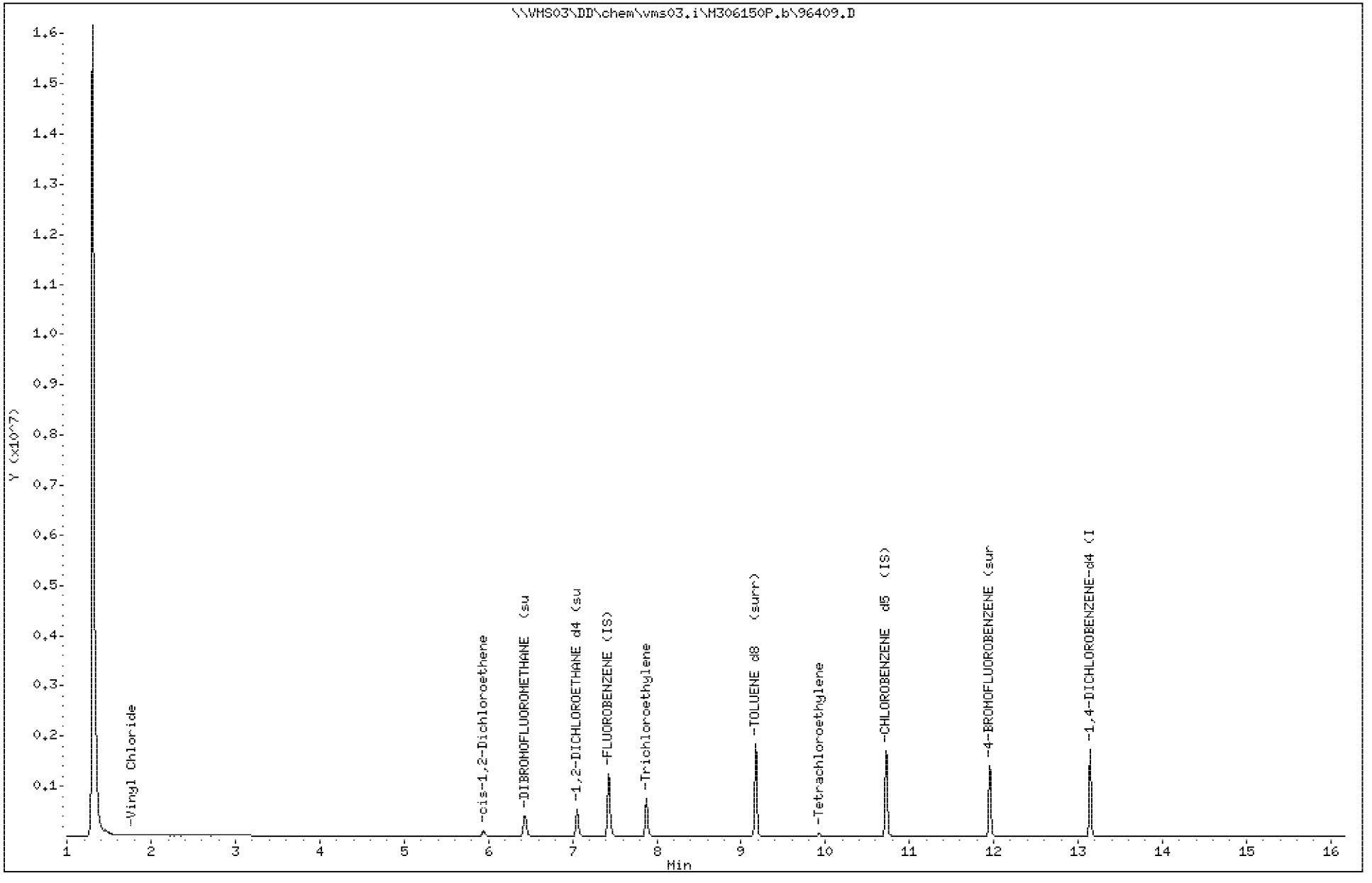
Sample Info: 250696409;2506964;1;

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96409.D

Date : 15-JUN-2007 13:49

Client ID: TO05MW39BBL

Instrument: vms03.i

Sample Info: 250696409;2506964;1;

Purge Volume: 5.0

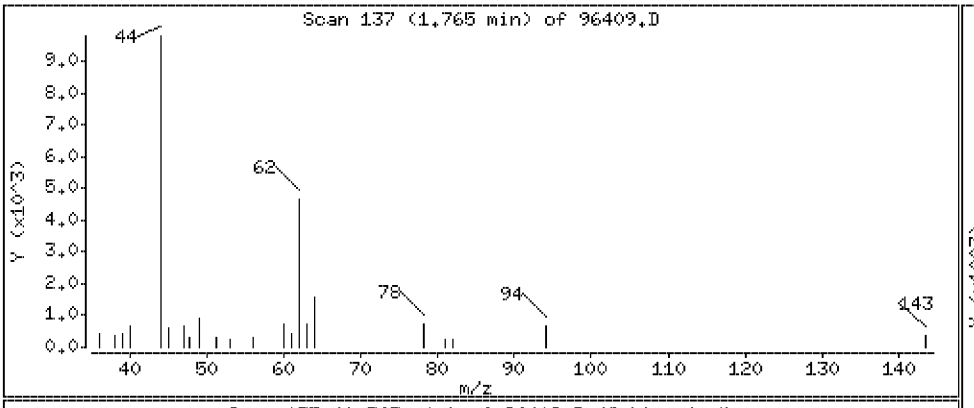
Operator:

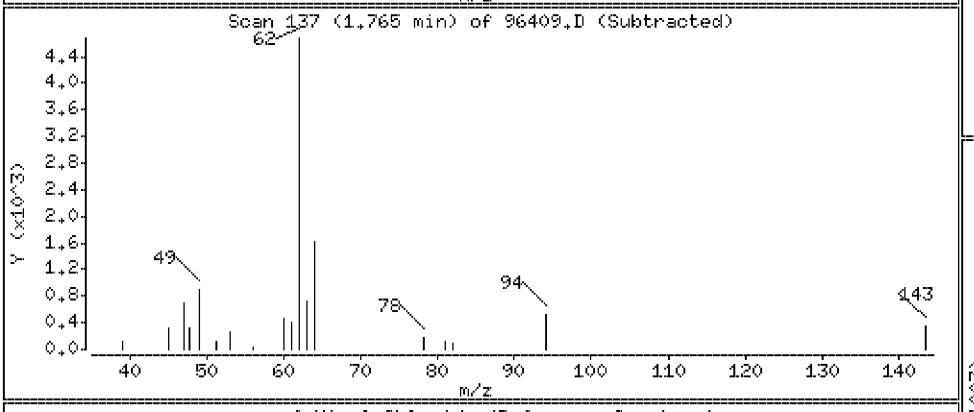
Column phase: DB-624

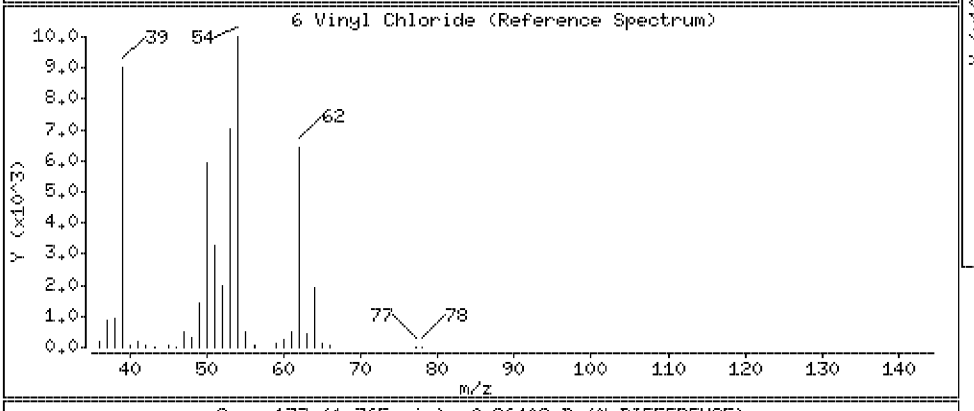
Column diameter: 0.18

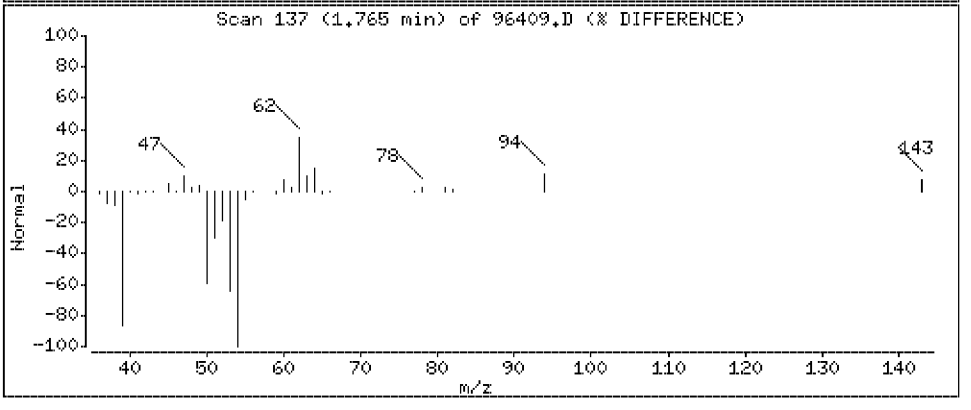
6 Vinyl Chloride

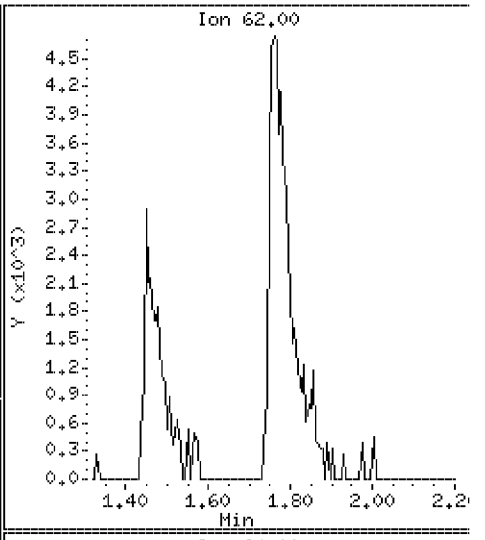
Concentration: 2.2 ug/l

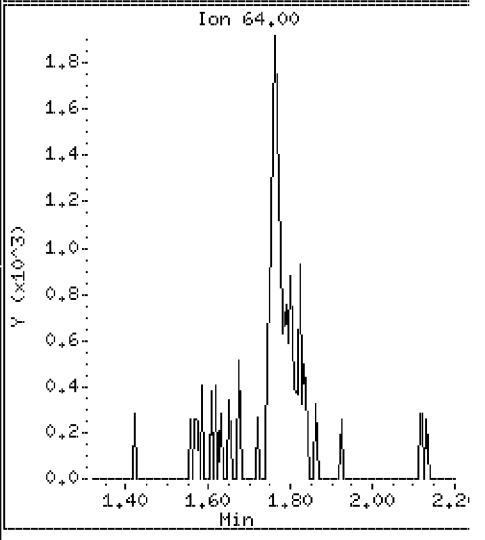












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96409.D

Date : 15-JUN-2007 13:49

Client ID: TO05MW39BBL

Instrument: vms03.i

Sample Info: 250696409;2506964;1;

Purge Volume: 5.0

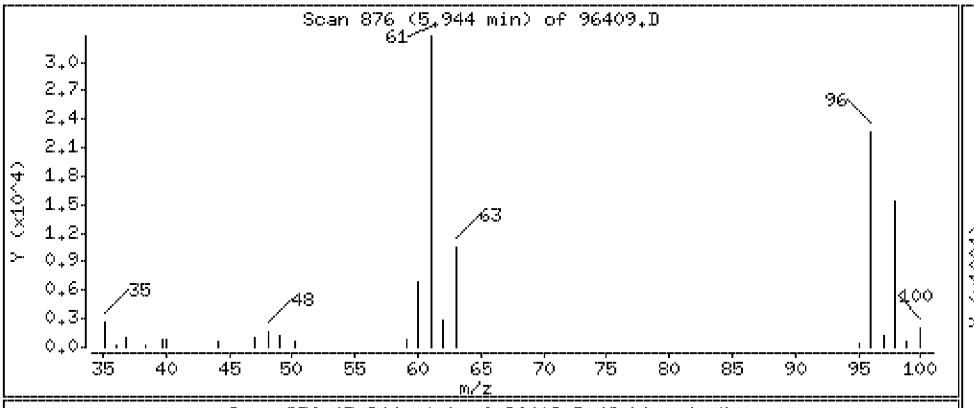
Operator:

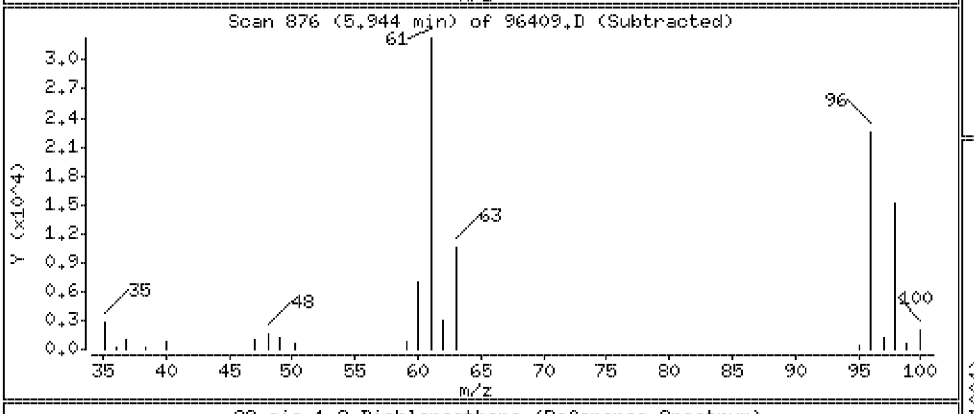
Column phase: DB-624

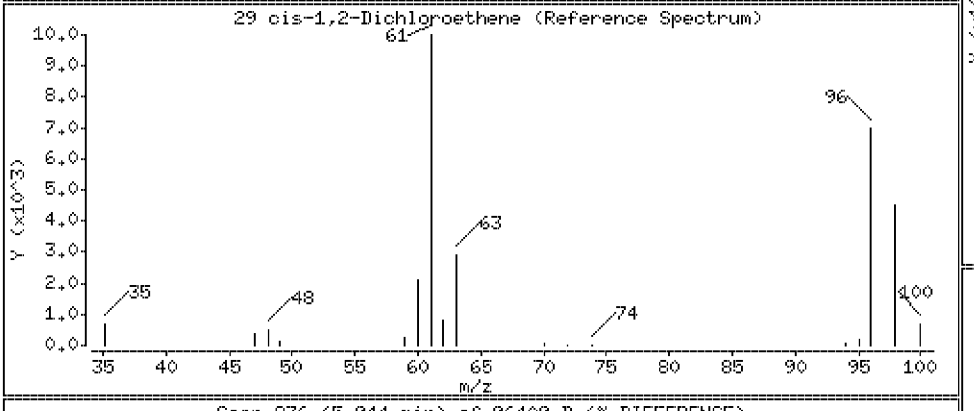
Column diameter: 0.18

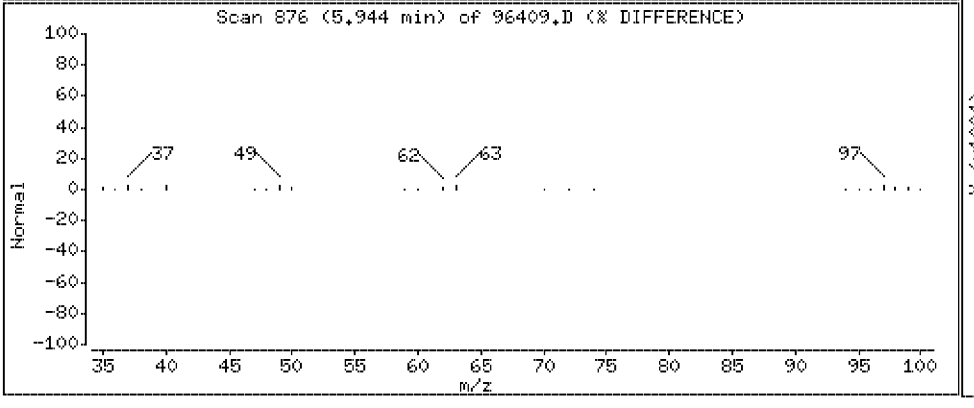
29 cis-1,2-Dichloroethene

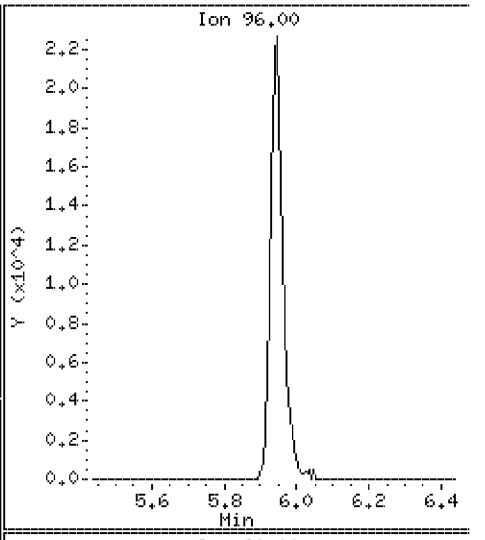
Concentration: 7.5 ug/l

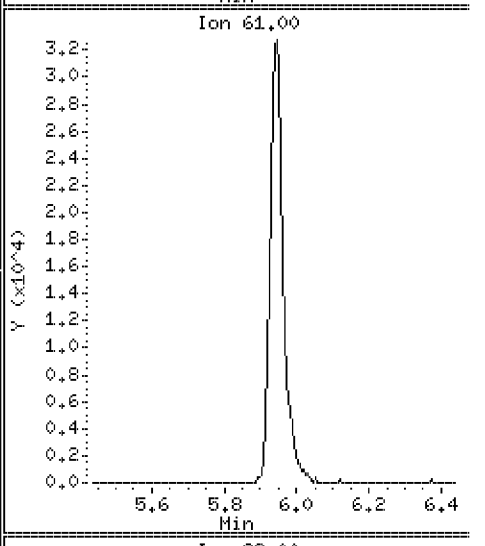


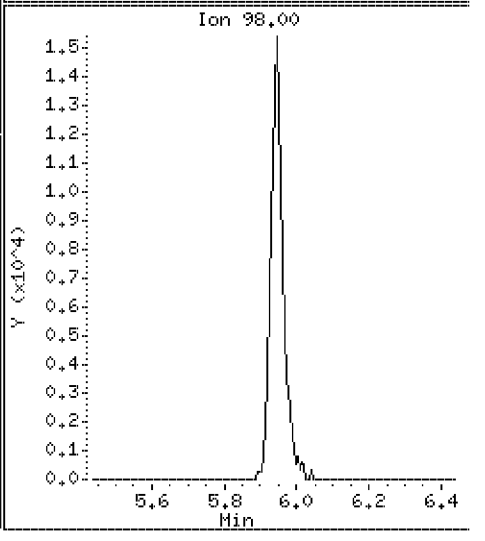












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96409.D

Date : 15-JUN-2007 13:49

Client ID: TO05MW39BBL

Instrument: vms03.i

Sample Info: 250696409;2506964;1;

Purge Volume: 5.0

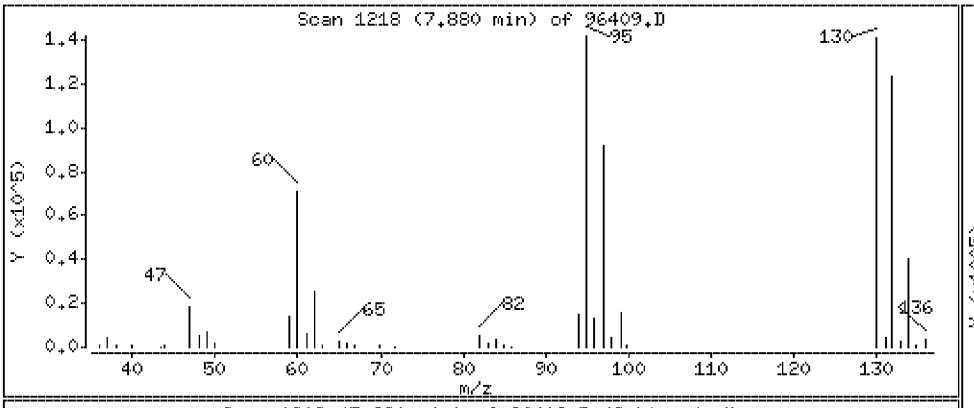
Operator:

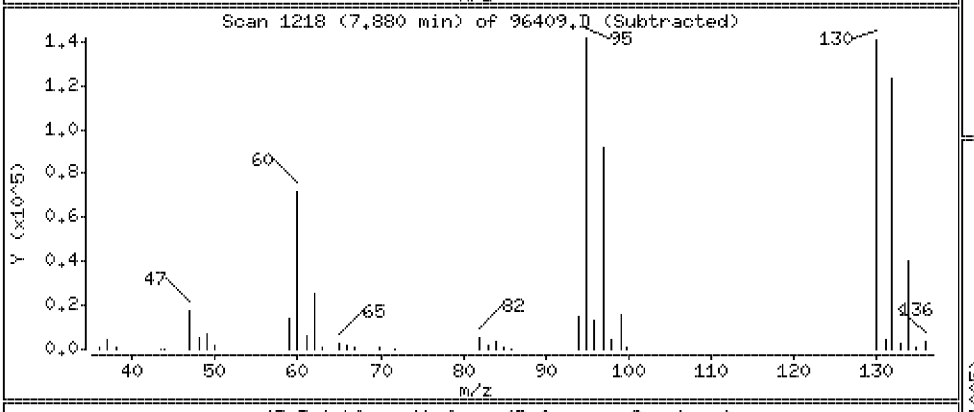
Column phase: DB-624

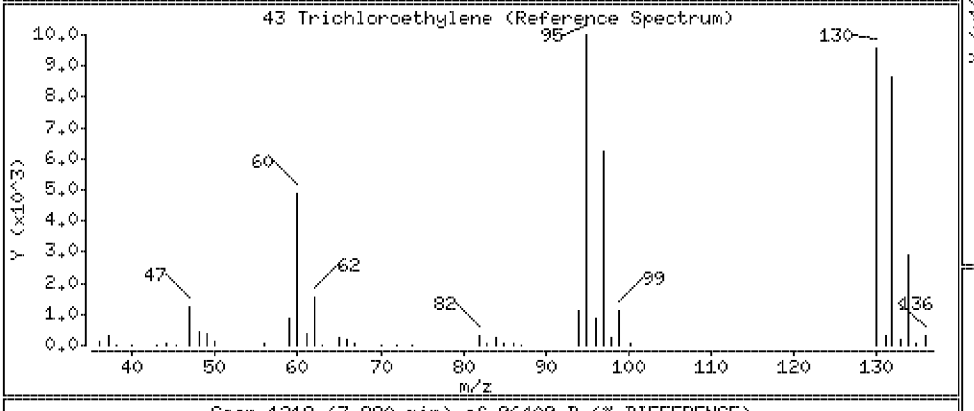
Column diameter: 0.18

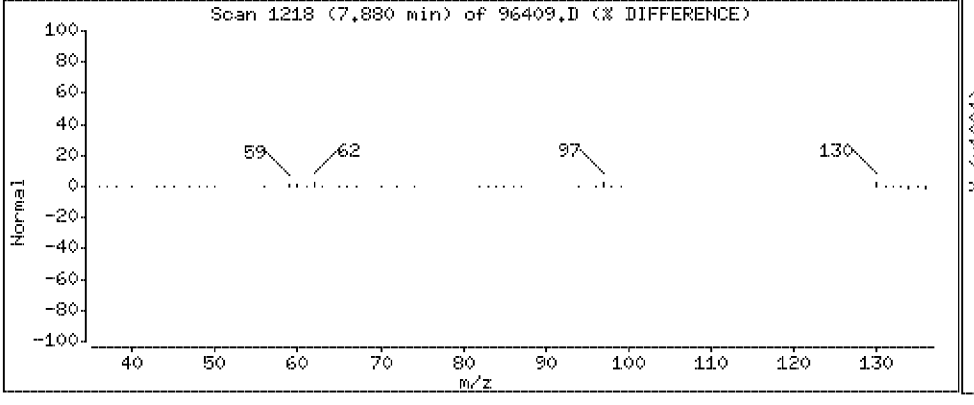
43 Trichloroethylene

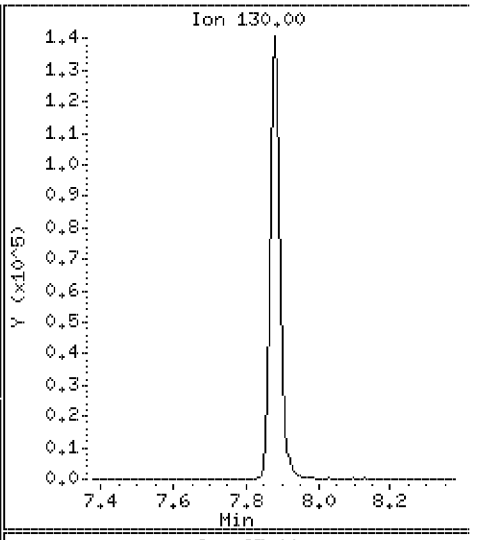
Concentration: 39.3 ug/l

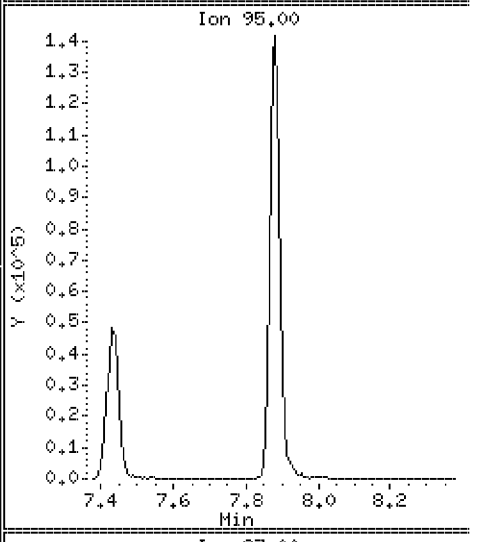


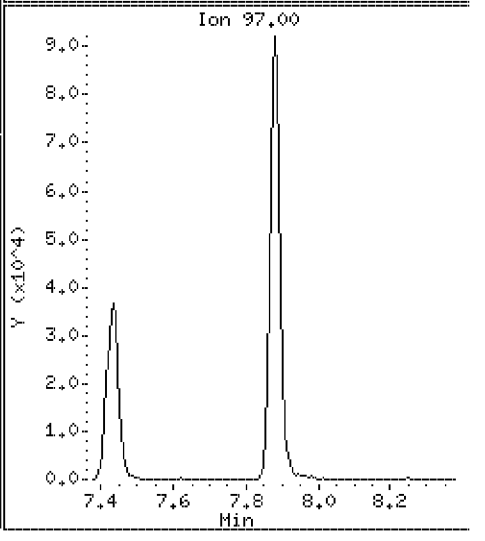












Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96409.D

Date : 15-JUN-2007 13:49

Client ID: TO05MW39BBL

Instrument: vms03.i

Sample Info: 250696409;2506964;1;

Purge Volume: 5.0

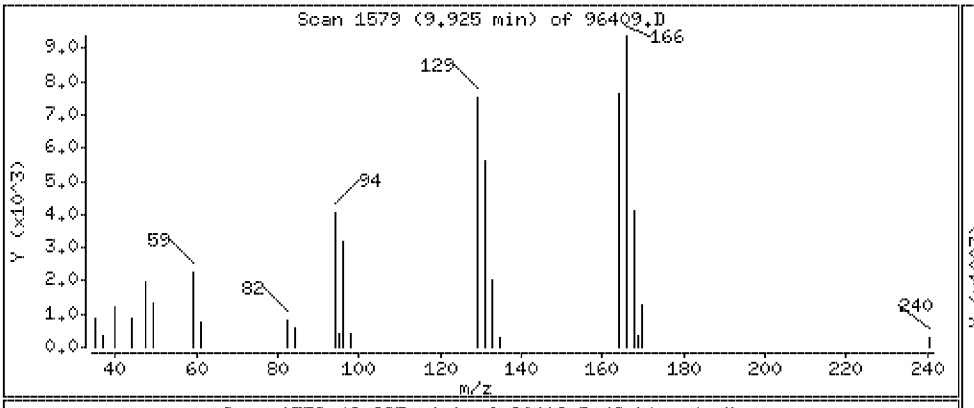
Operator:

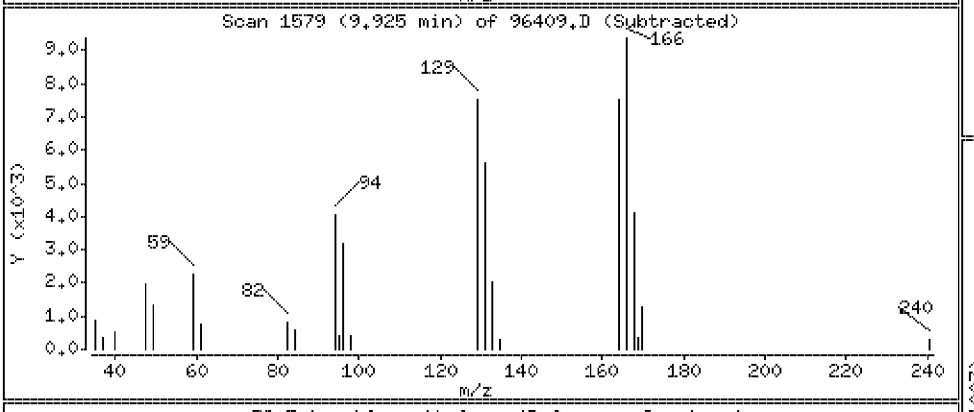
Column phase: DB-624

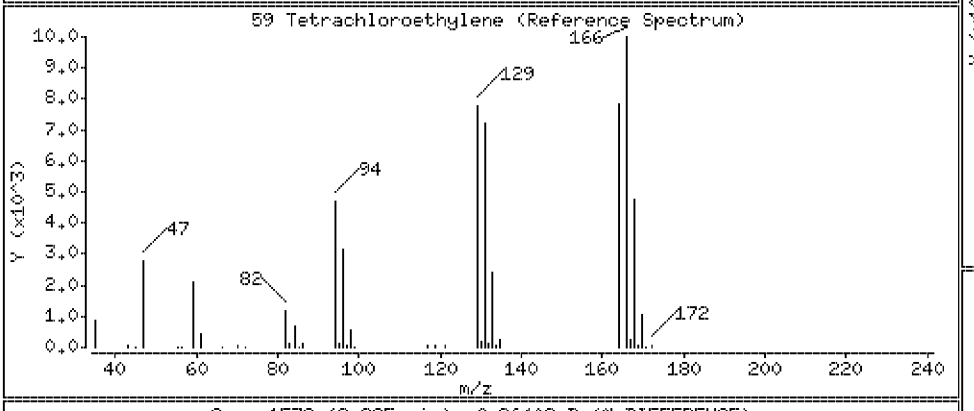
Column diameter: 0.18

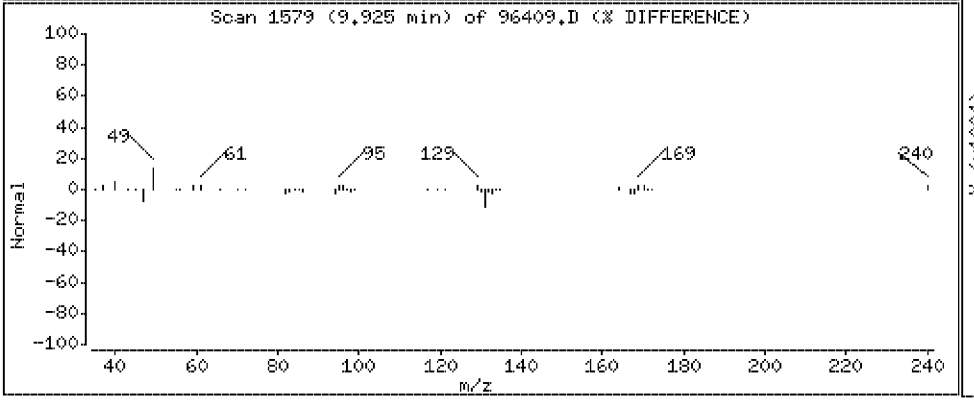
59 Tetrachloroethylene

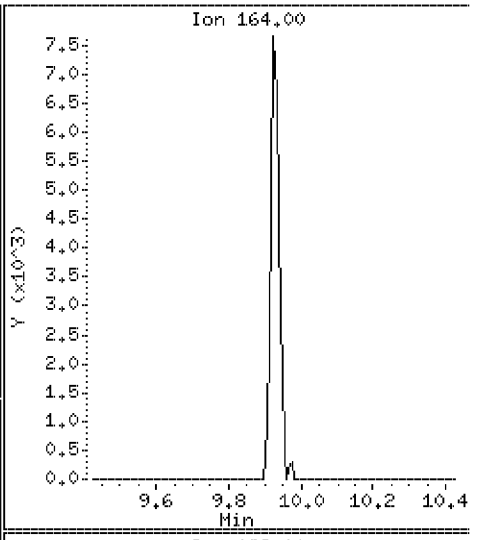
Concentration: 2.3 ug/l

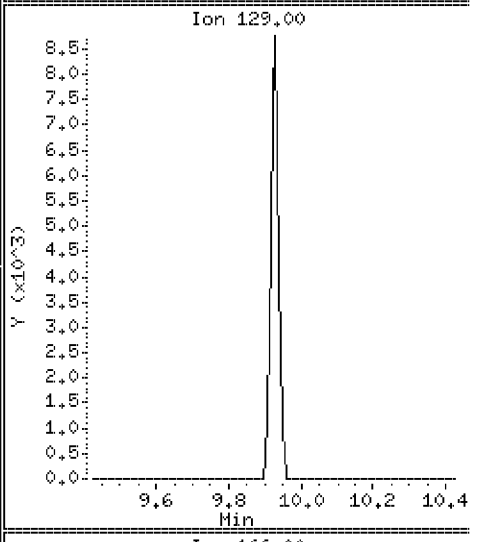


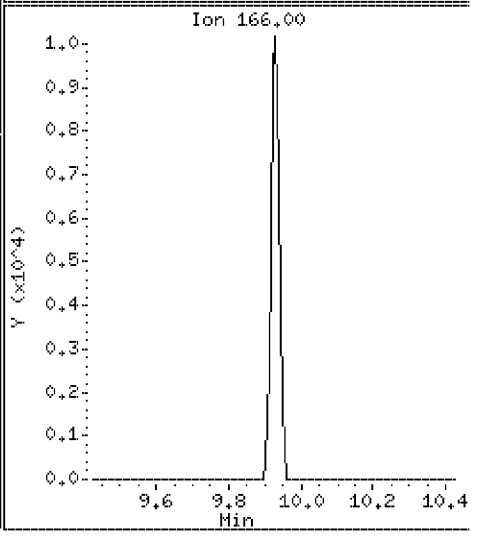












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M306150P.b\96410.D
Lab Smp Id: 250696410 Client Smp ID: TO05EB1BL
Inj Date : 15-JUN-2007 13:25
Operator : Inst ID: vms03.i
Smp Info : 250696410;2506964;1;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M306150P.b\8260A.m
Meth Date : 20-Jun-2007 10:26 lpelo Quant Type: ISTD
Cal Date : 15-JUN-2007 08:57 Cal File: 80PPB.D
Als bottle: 29
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.438	6.430	(0.866)	325528	48.7617	48.8
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	7.056	7.051	(0.949)	73412	48.9603	49.0
* 42 FLUOROBENZENE (IS)	96	7.432	7.427	(1.000)	1243152	50.0000	
$ 53 TOLUENE d8 (surr)	98	9.174	9.170	(1.234)	1283293	48.9551	49.0
54 Toluene	92	9.257	9.253	(1.246)	13942	0.76334	0.76(a)
* 63 CHLOROBENZENE d5 (IS)	117	10.727	10.724	(1.000)	904879	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.954	11.951	(0.909)	498101	51.3056	51.3
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.145	13.143	(1.000)	442543	50.0000	

QC Flag Legend

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

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 96410.D
Lab Smp Id: 250696410
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M306150P.b\8260A.m
Misc Info:

Calibration Date: 15-JUN-2007
Calibration Time: 10:18
Client Smp ID: TO05EB1BL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1288369	644185	2576738	1243152	-3.51
63 CHLOROBENZENE d5	921152	460576	1842304	904879	-1.77
86 1,4-DICHLOROBENZE	508073	254037	1016146	442543	-12.90

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.07
63 CHLOROBENZENE d5	10.72	10.22	11.22	10.73	0.03
86 1,4-DICHLOROBENZE	13.14	12.64	13.64	13.15	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96410.D

Date : 15-JUN-2007 13:25

Client ID: TO05EB1BL

Instrument: vms03.i

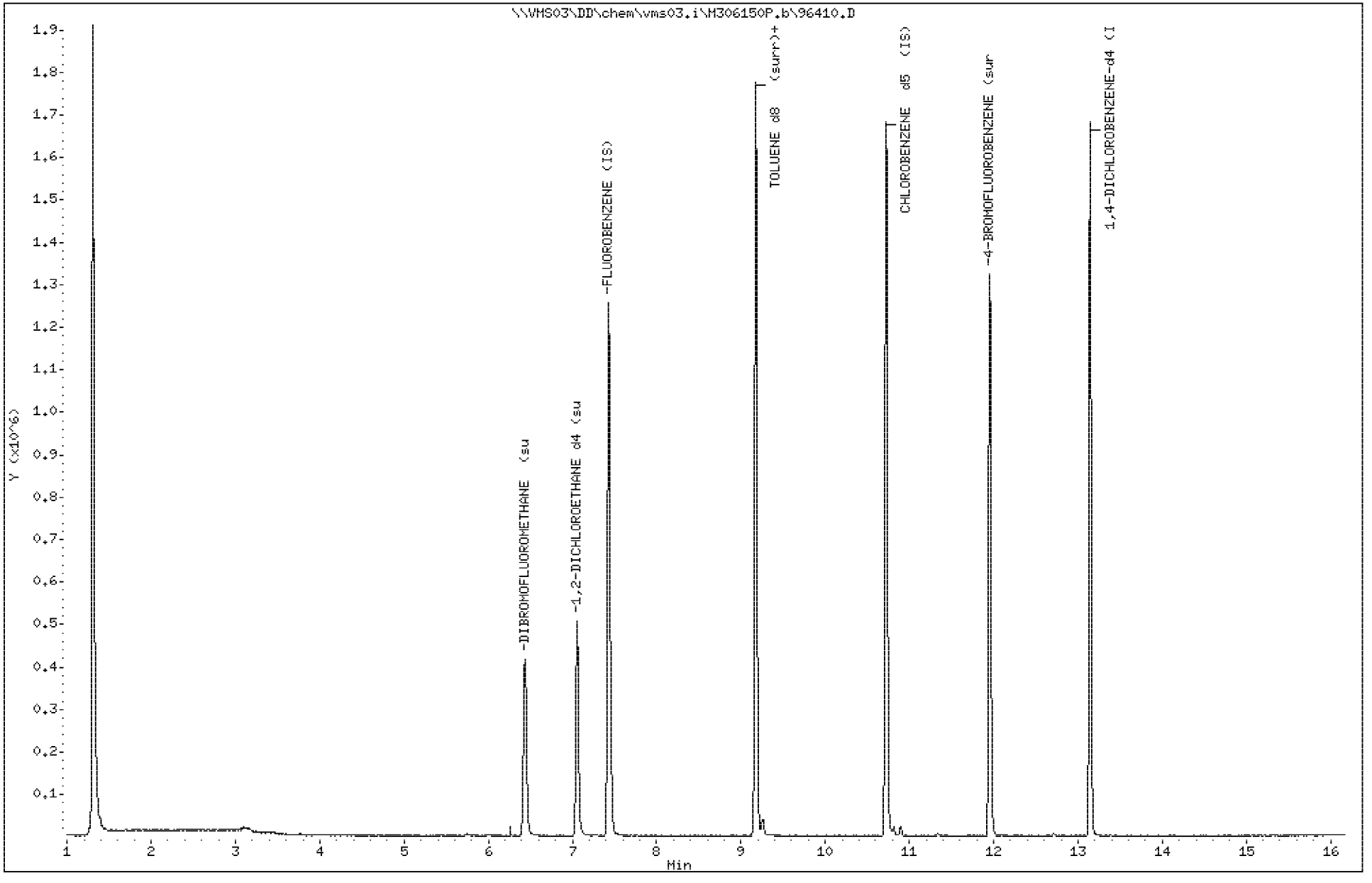
Sample Info: 250696410;2506964;1;

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96410.D

Date : 15-JUN-2007 13:25

Client ID: TO05EB1BL

Instrument: vms03.i

Sample Info: 250696410;2506964;1;

Purge Volume: 5.0

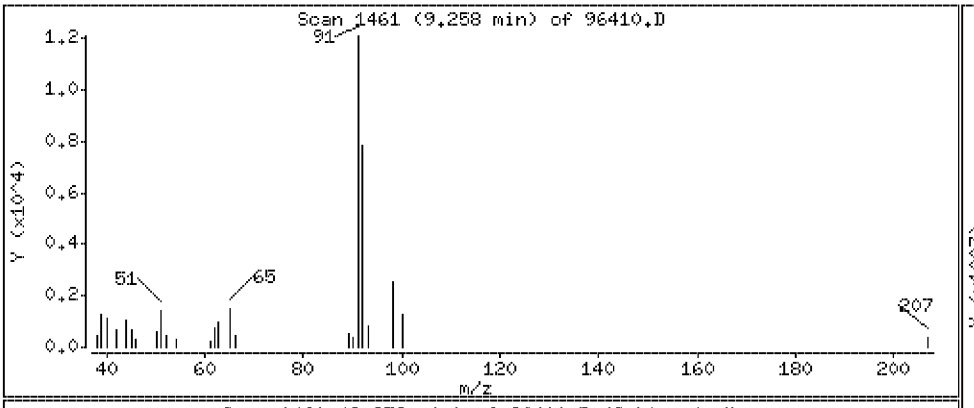
Operator:

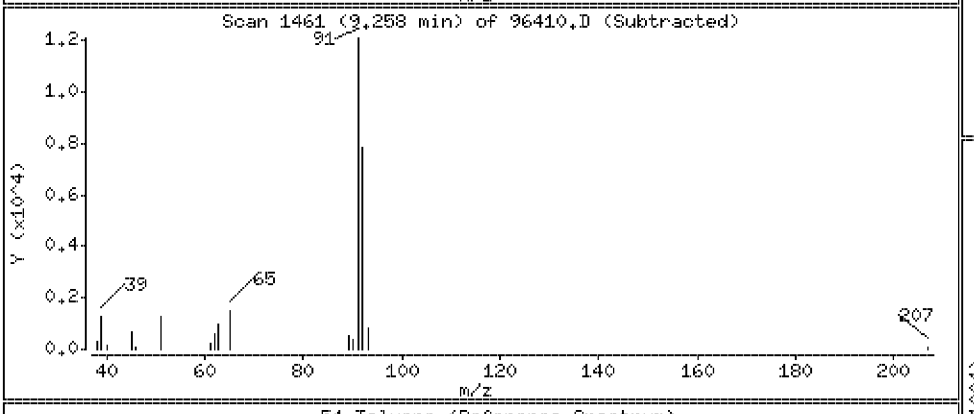
Column phase: DB-624

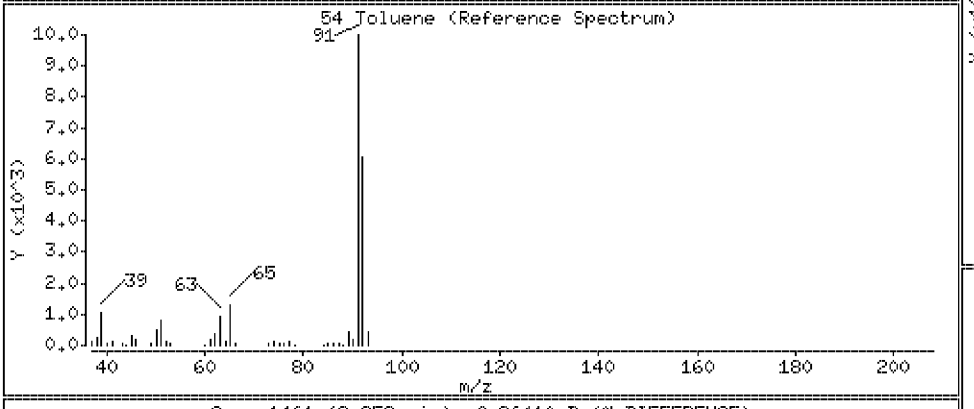
Column diameter: 0.18

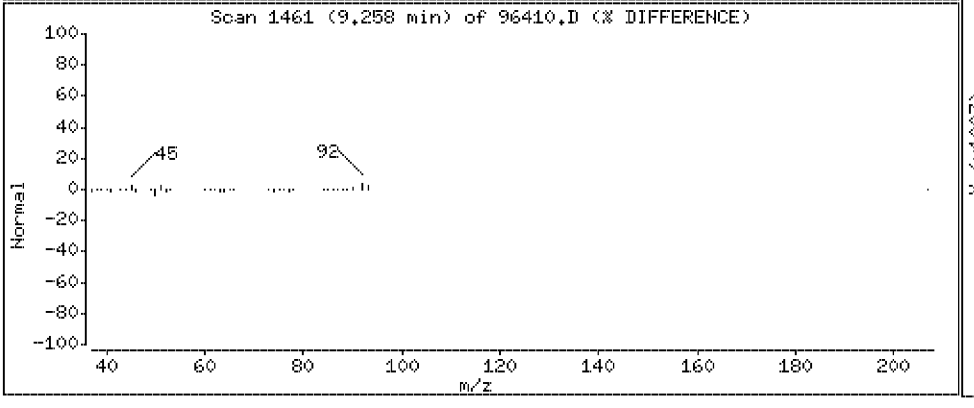
54 Toluene

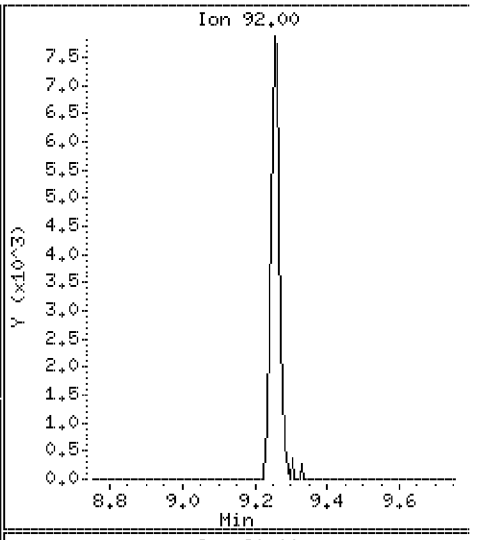
Concentration: 0.76 ug/l

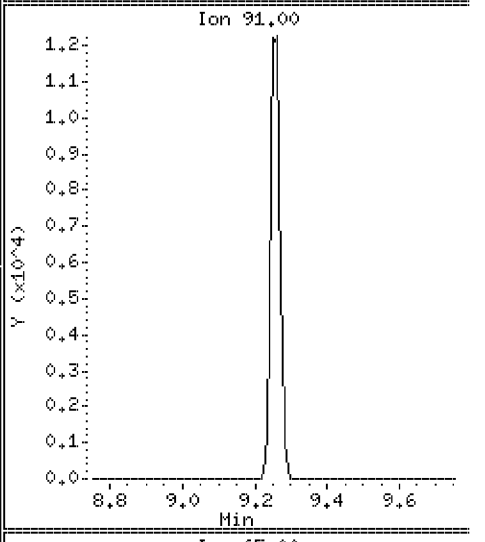


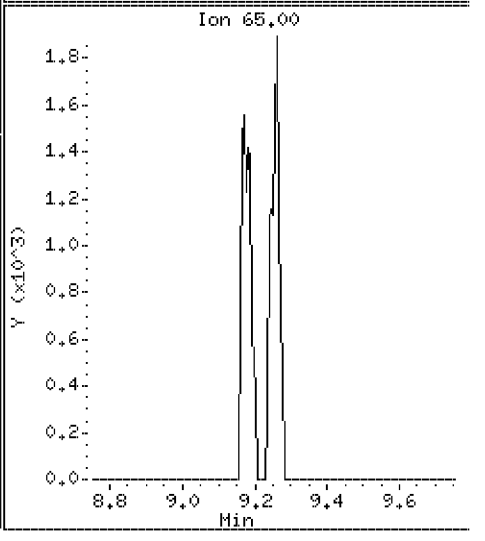












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M306150P.b\96411.D
Lab Smp Id: 250696411 Client Smp ID: TO05TB2BL
Inj Date : 15-JUN-2007 13:02
Operator : Inst ID: vms03.i
Smp Info : 250696411;2506964;1;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M306150P.b\8260A.m
Meth Date : 20-Jun-2007 10:26 lpelo Quant Type: ISTD
Cal Date : 15-JUN-2007 08:57 Cal File: 80PPB.D
Als bottle: 28
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.437	6.430	(0.866)	343021	50.5466	50.5
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	7.056	7.051	(0.949)	78159	51.2787	51.3
* 42 FLUOROBENZENE (IS)	96	7.433	7.427	(1.000)	1263699	50.0000	
$ 53 TOLUENE d8 (surr)	98	9.174	9.170	(1.234)	1324459	49.7039	49.7
* 63 CHLOROBENZENE d5 (IS)	117	10.727	10.724	(1.000)	938874	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.954	11.951	(0.909)	531191	52.8672	52.9
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.145	13.143	(1.000)	458001	50.0000	

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 96411.D
Lab Smp Id: 250696411
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M306150P.b\8260A.m
Misc Info:

Calibration Date: 15-JUN-2007
Calibration Time: 10:18
Client Smp ID: TO05TB2BL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1288369	644185	2576738	1263699	-1.91
63 CHLOROBENZENE d5	921152	460576	1842304	938874	1.92
86 1,4-DICHLOROBENZE	508073	254037	1016146	458001	-9.86

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.07
63 CHLOROBENZENE d5	10.72	10.22	11.22	10.73	0.02
86 1,4-DICHLOROBENZE	13.14	12.64	13.64	13.15	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M306150P.b\96411.D

Date : 15-JUN-2007 13:02

Client ID: TO05TB2BL

Instrument: vms03.i

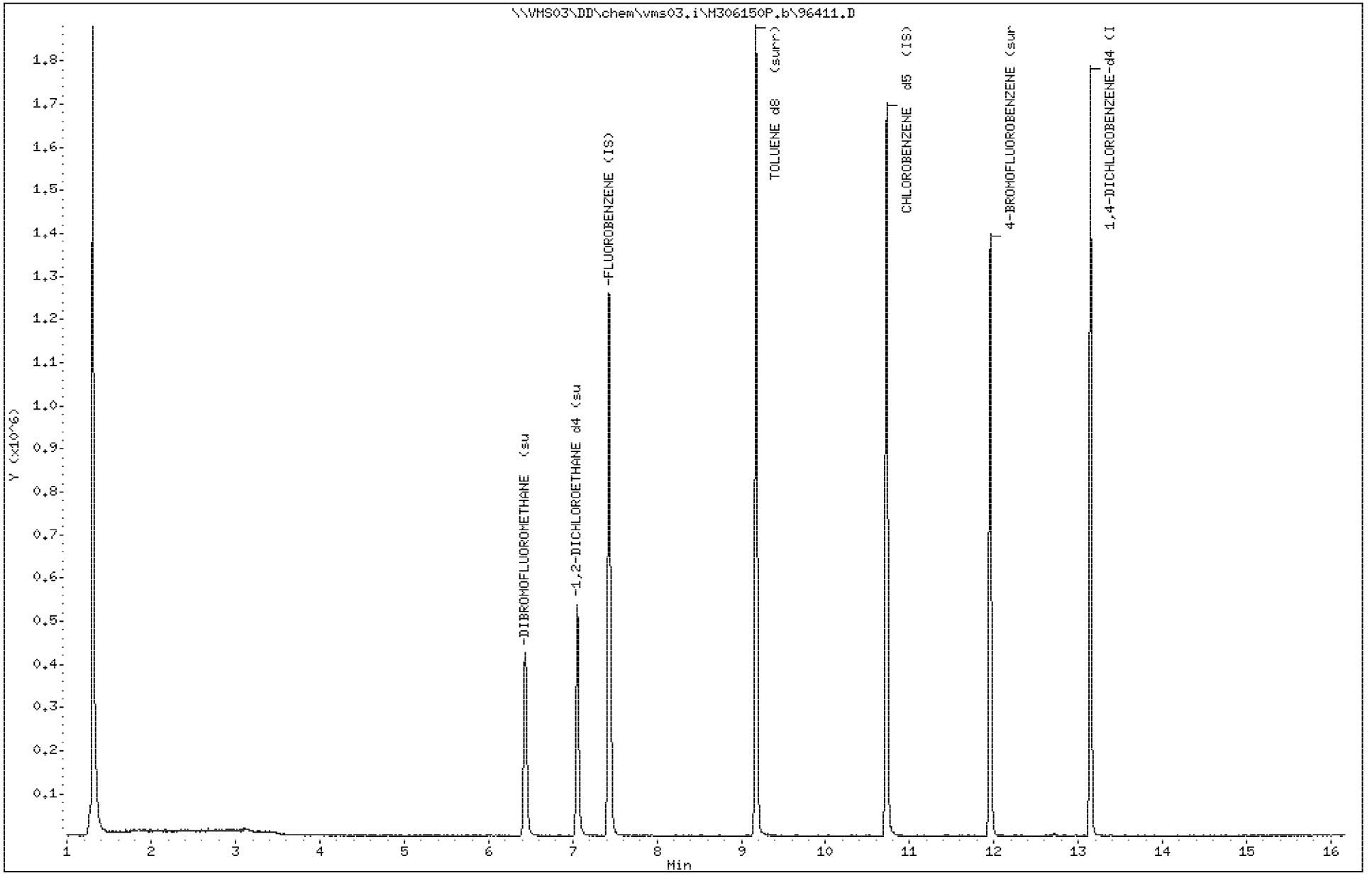
Sample Info: 250696411;2506964;1;

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



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Data file : \\VMS03\DD\chem\vms03.i\M3061807C.b\BFB31.D
Lab Smp Id: 061807BFBA31 Client Smp ID: 061807BFBA31
Inj Date : 18-JUN-2007 11:11
Operator : Inst ID: vms03.i
Smp Info : 061807BFBA31
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3061807C.b\BFBE.m
Meth Date : 20-Jun-2007 10:25 lpelo Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: VOLS11

Concentration Formula: Amt * DF * CpndVariable
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 #: 74-83-9		
7.232	7.500	-0.268	95	97504			0.00- 100.00	100.00
7.232	7.500	-0.268	50	20152			15.00- 40.00	20.67
7.232	7.500	-0.268	75	47208			30.00- 60.00	48.42
7.232	7.500	-0.268	96	7028			5.00- 9.00	7.21
7.232	7.500	-0.268	173	0	0.0	0.0	0.00- 2.00	0.00
7.232	7.500	-0.268	174	72392			50.00- 100.00	74.25
7.232	7.500	-0.268	175	5382			5.00- 9.00	7.43
7.232	7.500	-0.268	176	69288			95.00- 101.00	95.71
7.232	7.500	-0.268	177	4480			5.00- 9.00	6.47

Data File: \\VMS03\DD\chem\vms03.i\M3061807C.b\BFB31.D

Date : 18-JUN-2007 11:11

Client ID: 061807BFBA31

Instrument: vms03.i

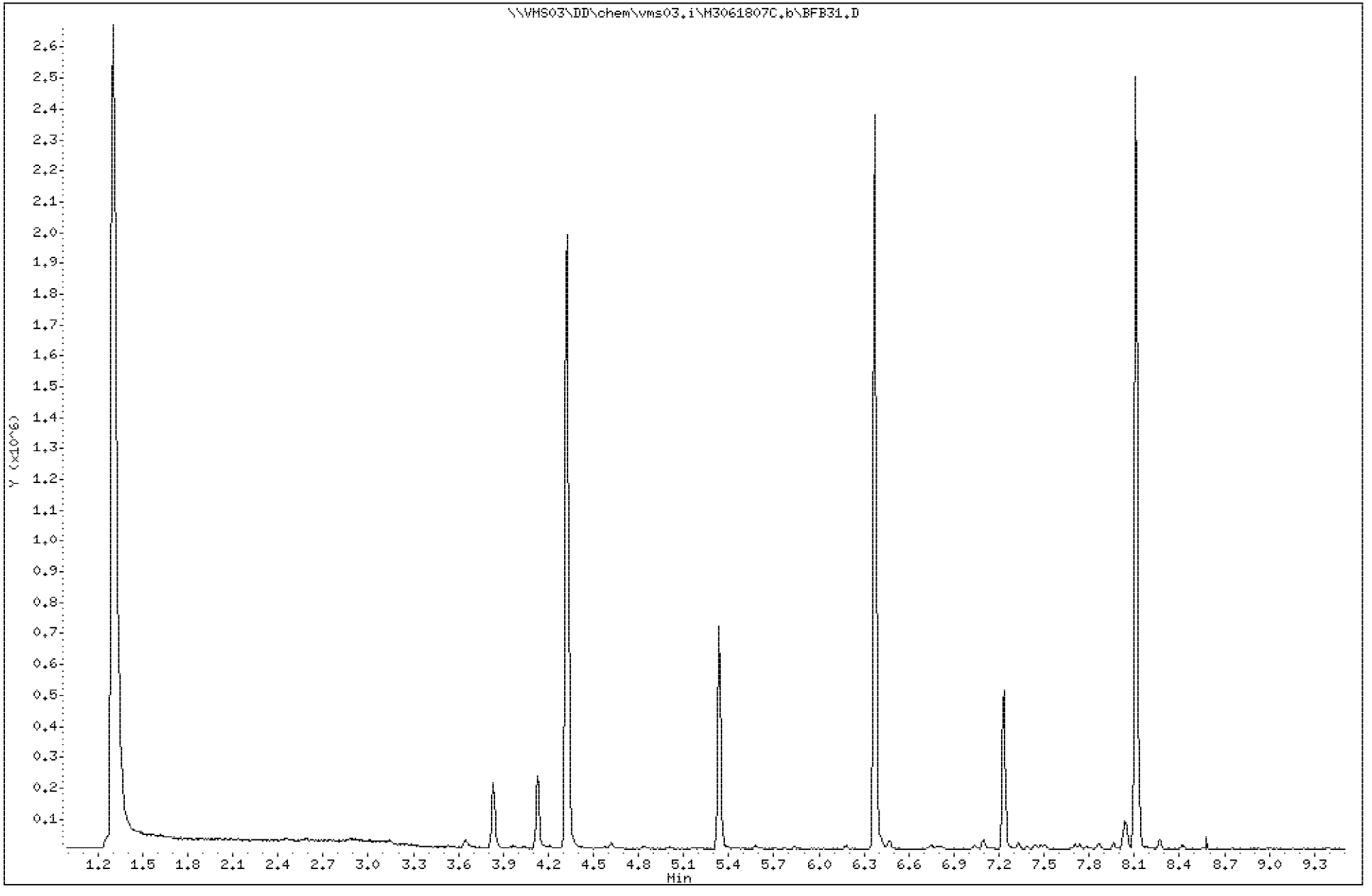
Sample Info: 061807BFBA31

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



Data File: \\VMS03\DD\chem\vms03.i\M3061807C.b\BFB31.D

Date : 18-JUN-2007 11:11

Client ID: 061807BFBA31

Instrument: vms03.i

Sample Info: 061807BFBA31

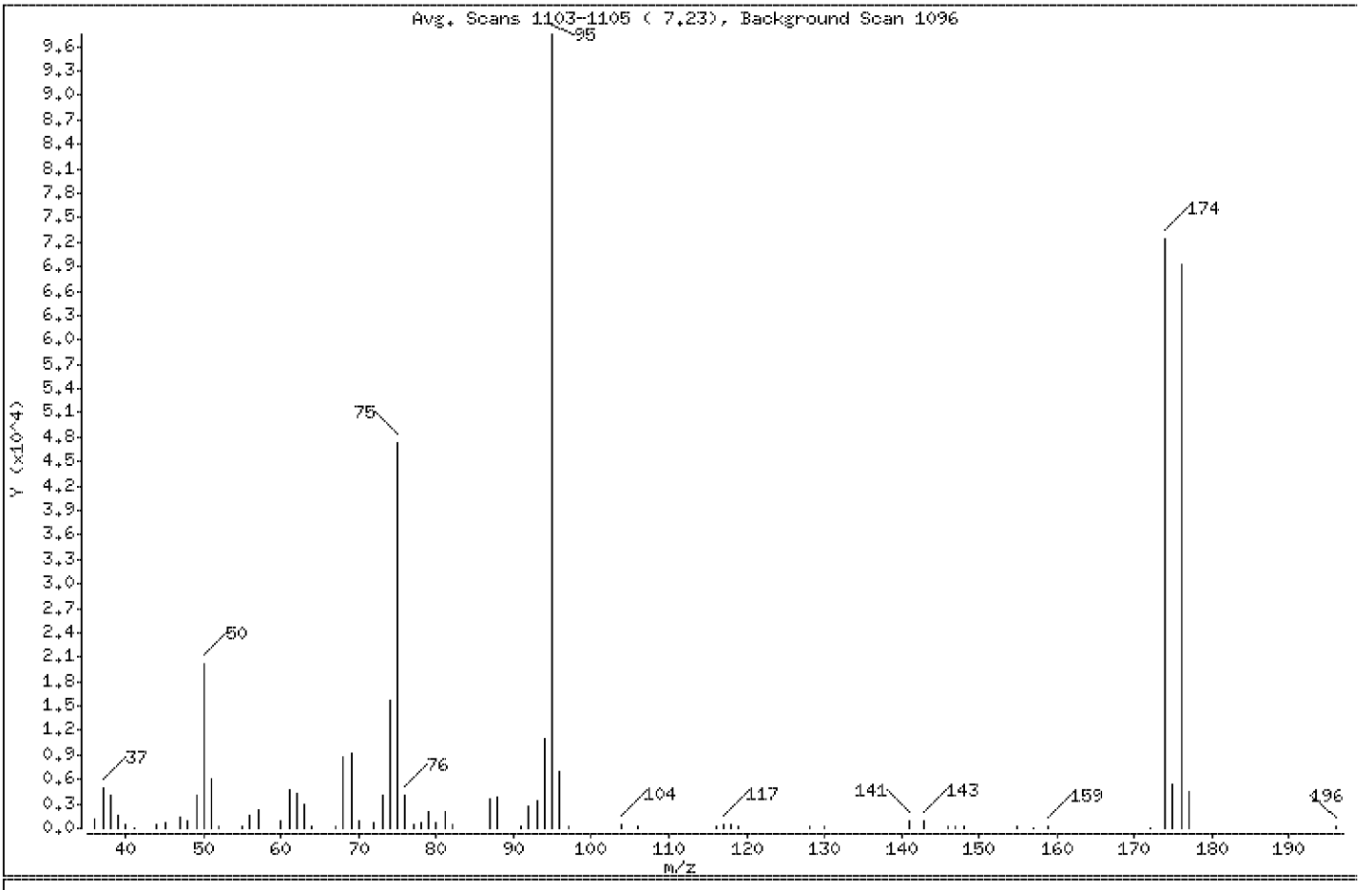
Purge Volume: 5.0

Operator:

Column phase: DB-624

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	20.67
75	30.00 - 60.00% of mass 95	48.42
96	5.00 - 9.00% of mass 95	7.21
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	74.25
175	5.00 - 9.00% of mass 174	5.52 (7.43)
176	95.00 - 101.00% of mass 174	71.06 (95.71)
177	5.00 - 9.00% of mass 176	4.59 (6.47)

Data File: \\VMS03\DD\chem\vms03.i\M3061807C.b\BFB31.D

Date : 18-JUN-2007 11:11

Client ID: 061807BFBA31 Instrument: vms03.i

Sample Info: 061807BFBA31

Purge Volume: 5.0 Operator:

Column phase: DB-624 Column diameter: 0.18

Data File: BFB31.D
Spectrum: Avg. Scans 1103-1105 (7.23), Background Scan 1096
Location of Maximum: 95.00
Number of points: 68

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1124	61.00	4688	82.00	394	141.00	804
37.00	4849	62.00	4264	87.00	3589	143.00	967
38.00	3967	63.00	2863	88.00	3802	146.00	140
39.00	1525	64.00	116	91.00	262	147.00	121
40.00	482	67.00	284	92.00	2668	148.00	209
41.00	91	68.00	8745	93.00	3408	155.00	211
44.00	425	69.00	9106	94.00	11007	157.00	87
45.00	746	70.00	788	95.00	97504	159.00	118
47.00	1427	72.00	706	96.00	7028	172.00	110
48.00	817	73.00	3990	97.00	127	174.00	72392
49.00	4029	74.00	15618	104.00	423	175.00	5382
50.00	20152	75.00	47208	106.00	302	176.00	69288
51.00	6157	76.00	4142	116.00	231	177.00	4480
52.00	119	77.00	528	117.00	530	196.00	113
55.00	313	78.00	719	118.00	433		
56.00	1638	79.00	1913	119.00	315		
57.00	2284	80.00	638	128.00	208		
60.00	821	81.00	2089	130.00	209		

PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3061807C.b\1PPB.D
Lab Smp Id: 1PPBCAL Client Smp ID: 1PPBCAL
Inj Date : 18-JUN-2007 12:20
Operator : Inst ID: vms03.i
Smp Info : 1PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3061807C.b\8260A.m
Meth Date : 20-Jun-2007 10:25 lpelo Quant Type: ISTD
Cal Date : 15-JUN-2007 08:57 Cal File: 80PPB.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				21793	2.00000	2.1
M 2 Xylenes (Total)	100				70869	3.00000	3.2
M 3 Trihalomethanes (Total)	100				38331	1.00000	3.9
4 Dichlorodifluoromethane	85	1.454	1.454	(0.196)	9088	1.00000	1.0
5 Chloromethane	50	1.668	1.669	(0.225)	20417	1.00000	1.3
6 Vinyl Chloride	62	1.774	1.774	(0.239)	10325	1.00000	0.50(a)
7 Bromomethane	96	2.217	2.217	(0.298)	5565	1.00000	1.1(a)
8 Chloroethane	64	2.286	2.286	(0.308)	9361	1.00000	1.2
9 Trichlorofluoromethane	101	2.530	2.531	(0.341)	11344	1.00000	0.95(a)
11 1,1,2 Trichlorotrifluoromethan	101	3.047	3.048	(0.410)	6648	1.00000	0.88(a)
13 1,1-Dichloroethene	61	3.262	3.262	(0.439)	15676	1.00000	1.2
109 t-Butyl-Alcohol	59	3.419	3.420	(0.460)	8250	10.0000	9.2
14 Acetonitrile	41	3.466	3.467	(0.467)	18637	10.0000	11.8
15 Iodomethane	142	3.680	3.681	(0.495)	7442	1.00000	0.75(a)
16 Methyl Acetate	43	3.757	3.757	(0.506)	9401	1.00000	1.1
17 Allyl Chloride	41	3.771	3.771	(0.508)	13852	1.00000	1.1
18 Carbon Disulfide	76	3.928	3.928	(0.529)	27024	1.00000	1.1
19 Methylene Chloride	49	3.963	3.963	(0.533)	17638	1.00000	1.2(a)
20 Acrylonitrile	53	4.187	4.187	(0.563)	6807	2.00000	1.8(a)
21 Methyl-tert-butyl ether	73	4.232	4.232	(0.570)	22010	1.00000	0.94(a)
22 trans 1,2-Dichloroethene	61	4.407	4.410	(0.593)	12776	1.00000	1.0
23 1,1-Dichloroethane	63	5.072	5.072	(0.683)	17558	1.00000	1.1
24 Vinyl Acetate	43	5.133	5.133	(0.691)	15245	1.00000	0.95(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
25 Chloroprene	53	5.205	5.205	(0.700)	15187	1.00000	1.0
26 2-Butanone	43	5.744	5.744	(0.773)	9934	2.00000	2.2(a)
27 Propionitrile	54	5.841	5.841	(0.786)	14998	10.0000	10.1
28 2,2-Dichloropropane	77	5.882	5.882	(0.792)	7665	1.00000	1.1
29 cis-1,2-Dichloroethene	96	5.947	5.947	(0.800)	9017	1.00000	1.1
30 Methyacrylonitrile	67	6.098	6.098	(0.821)	36864	10.0000	10.1
31 Isobutyl Alcohol	43	6.176	6.177	(0.831)	8253	20.0000	(aM)
32 Chloroform	83	6.156	6.156	(0.828)	15740	1.00000	1.0
33 Bromochloromethane	49	6.353	6.353	(0.855)	9247	1.00000	1.1
35 1,1,1-Trichloroethane	97	6.658	6.658	(0.896)	12537	1.00000	1.1
36 Cyclohexane	56	6.654	6.654	(0.895)	14633	1.00000	0.95(a)
37 1,1-Dichloropropene	75	6.850	6.850	(0.922)	11439	1.00000	1.0
38 Carbon tetrachloride	117	6.960	6.960	(0.937)	7990	1.00000	0.96(a)
40 1,2-Dichloroethane	62	7.166	7.166	(0.964)	13828	1.00000	1.0
41 Benzene	78	7.172	7.172	(0.965)	35165	1.00000	1.1
* 42 FLUOROBENZENE (IS)	96	7.430	7.430	(1.000)	1364397	50.0000	
43 Trichloroethylene	130	7.879	7.879	(1.060)	8791	1.00000	1.1
44 Methyl Cyclohexane	55	7.940	7.940	(1.069)	12030	1.00000	1.0(a)
45 1,2-Dichloropropane	63	8.082	8.082	(1.088)	10369	1.00000	1.1
46 Methyl Methacrylate	69	8.175	8.175	(1.100)	5568	1.00000	1.0
47 Bromodichloromethane	83	8.333	8.333	(1.121)	11120	1.00000	0.99(a)
48 1,4 Dioxane	88	8.388	8.388	(1.129)	1214	20.0000	15.7(M)
49 Dibromomethane	93	8.386	8.386	(1.129)	6125	1.00000	1.1
50 4-Methyl-2-Pentanone	43	8.733	8.733	(0.664)	15697	2.00000	1.7(a)
51 2-Hexanone	43	9.641	9.641	(0.899)	12084	2.00000	1.8(a)
52 cis 1,3-Dichloropropene	75	8.926	8.926	(1.201)	13405	1.00000	0.97(a)
54 Toluene	92	9.255	9.255	(1.245)	22676	1.00000	1.1
55 trans 1,3-Dichloropropene	75	9.456	9.456	(1.273)	10721	1.00000	0.90(a)
56 Ethyl Methacrylate	69	9.461	9.461	(1.273)	8959	1.00000	0.92(a)
57 1,1,2-Trichloroethane	97	9.613	9.613	(1.294)	9025	1.00000	1.1
58 1,3-Dichloropropane	76	9.873	9.873	(0.920)	13780	1.00000	1.0
59 Tetrachloroethylene	164	9.925	9.925	(0.925)	7429	1.00000	1.2
60 Dibromochloromethane	129	10.135	10.135	(0.945)	6705	1.00000	0.88(a)
61 1,2-Dibromoethane	107	10.338	10.338	(0.964)	8360	1.00000	1.1
62 1-Chlorohexane	91	10.512	10.512	(0.980)	10468	1.00000	1.0
* 63 CHLOROBENZENE d5 (IS)	117	10.726	10.726	(1.000)	989199	50.0000	
64 Chlorobenzene	112	10.765	10.765	(1.004)	24990	1.00000	1.1
65 1,1,1,2-Tetrachloroethane	131	10.811	10.811	(1.008)	7141	1.00000	1.0
66 Ethylbenzene	106	10.819	10.819	(1.009)	12152	1.00000	1.0
67 p,m-Xylene	106	10.896	10.896	(1.016)	32344	2.00000	2.1
68 o-Xylene	91	11.336	11.336	(1.057)	38525	1.00000	1.1
69 Styrene	104	11.374	11.374	(1.060)	23880	1.00000	1.0
70 Bromoform	173	11.718	11.718	(1.092)	4766	1.00000	0.94(a)
71 1-Methylethylbenzene	105	11.699	11.699	(0.890)	38489	1.00000	1.1
72 1,4-Dichloro-2-Butene	53	11.341	11.342	(0.863)	429	2.00000	2.7
73 1,1,2,2-Tetrachloroethane	83	11.878	11.878	(0.904)	9724	1.00000	1.00
75 1,2,3- trichloropropane	110	12.022	12.021	(0.914)	2983	1.00000	0.97(a)
76 n-Propylbenzene	91	12.105	12.105	(0.921)	48650	1.00000	1.1
77 Bromobenzene	77	12.145	12.145	(0.924)	18438	1.00000	1.1
78 1,3,5-Trimethylbenzene	105	12.262	12.262	(0.933)	33787	1.00000	1.0
79 2-Chlorotoluene	91	12.283	12.283	(0.934)	36201	1.00000	1.1
80 4-Chlorotoluene	91	12.331	12.331	(0.938)	32361	1.00000	1.0
81 tert-Butylbenzene	119	12.622	12.622	(0.960)	31784	1.00000	1.1
82 1,2,4-trimethylbenzene	105	12.658	12.658	(0.963)	36292	1.00000	1.1

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
83 sec-Butylbenzene	105	12.835	12.835	(0.976)	39894	1.00000	1.0
84 p-Isopropyltoluene	119	12.971	12.971	(0.987)	32957	1.00000	1.0
85 1,3-Dichlorobenzene	146	13.070	13.070	(0.994)	19445	1.00000	1.1
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.146	13.146	(1.000)	512646	50.0000	
87 1,4-Dichlorobenzene	146	13.177	13.177	(1.002)	20541	1.00000	1.2
88 Benzyl Chloride	91	13.294	13.295	(1.011)	7504	1.00000	1.9
89 n-Butylbenzene	91	13.384	13.384	(1.018)	28730	1.00000	1.0
90 1,2-Dichlorobenzene	146	13.552	13.552	(1.031)	17512	1.00000	1.0
91 1,2-dibromo-3-chloropropane	75	14.307	14.308	(1.088)	1763	1.00000	1.1
92 1,2,4-Trichlorobenzene	180	15.002	15.003	(1.141)	7872	1.00000	1.4
93 Hexachlorobutadiene	223	15.104	15.104	(1.149)	2861	1.00000	1.2
94 Naphthalene	128	15.194	15.194	(1.156)	19863	1.00000	1.6
95 1,2,3-trichlorobenzene	180	15.367	15.367	(1.169)	6649	1.00000	1.5
103 Isopropyl Ether	45	4.966	4.967	(0.668)	29917	1.00000	0.98
104 Ethyl acetate	43	5.995	5.995	(0.807)	16129	2.00000	1.9
105 Cyclohexanone	55	11.767	11.767	(1.097)	9432	10.0000	8.6
106 Ethyl ether	59	2.858	2.858	(0.385)	6814	1.00000	0.91(a)
107 2-Nitropropane	43	8.429	8.429	(1.134)	3353	2.00000	1.8(a)
108 Tetrahydrofuran	42	6.435	6.436	(0.866)	9324	2.00000	1.3(a)
112 2-Cleve	63	8.692	8.692	(1.170)	7372	2.00000	1.7(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 1PPB.D
Lab Smp Id: 1PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3061807C.b\8260A.m
Misc Info:

Calibration Date: 18-JUN-2007
Calibration Time: 14:17
Client Smp ID: 1PPBCAL
Level: LOW
Sample Type: WATER

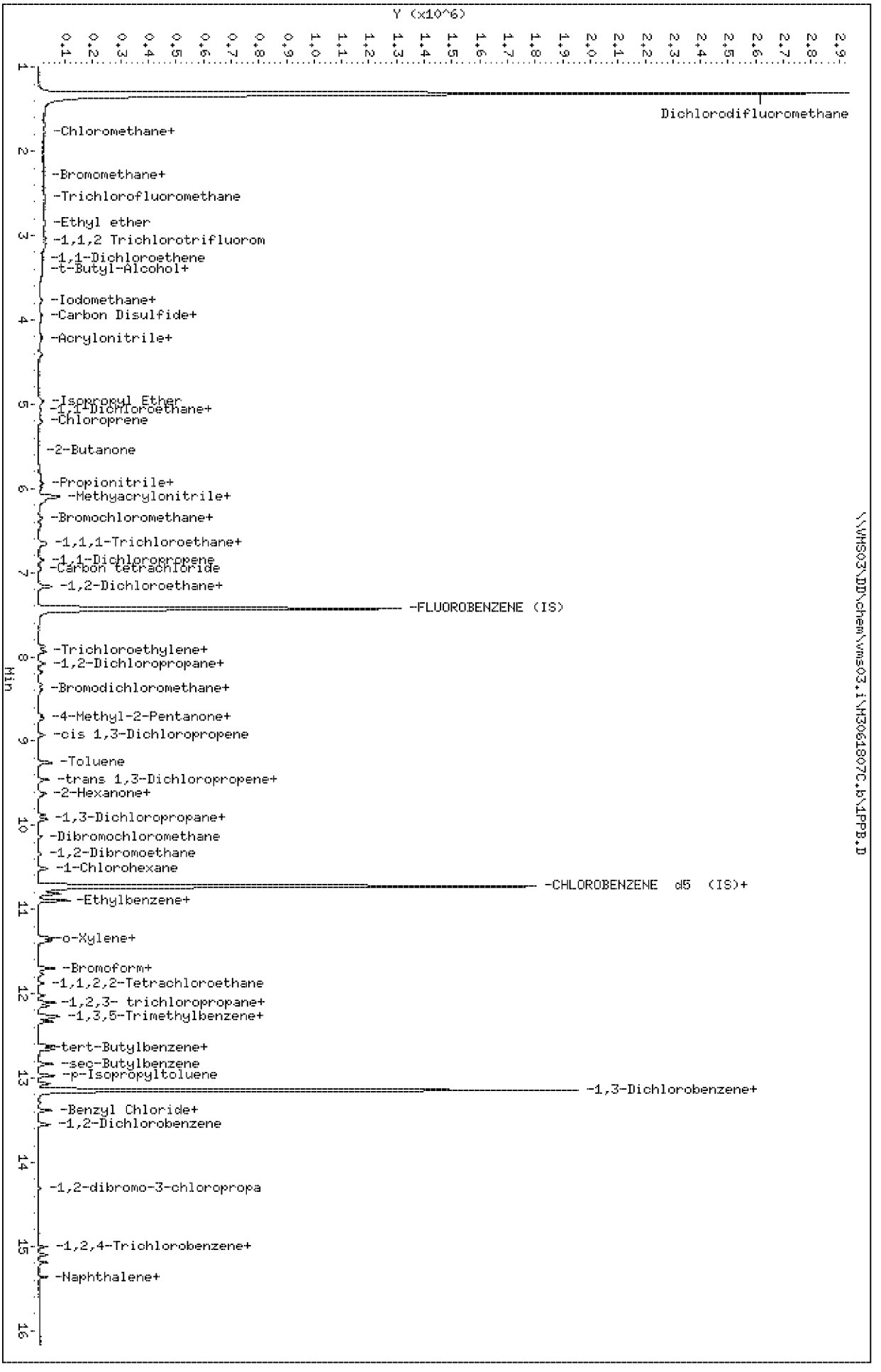
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1365201	682601	2730402	1364397	-0.06
63 CHLOROBENZENE d5	981241	490621	1962482	989199	0.81
86 1,4-DICHLOROBENZE	539868	269934	1079736	512646	-5.04

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	-0.03
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	-0.02
86 1,4-DICHLOROBENZE	13.15	12.65	13.65	13.15	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3061807C.b\1PPB.D
Date : 18-JUN-2007 12:20
Client ID: 1PPBCAL
Sample Info: 1PPBCAL
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



\\VMS03\DD\chem\vms03.i\M3061807C.b\1PPB.D

PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3061807C.b\2PPB.D
Lab Smp Id: 2PPBCAL Client Smp ID: 2PPBCAL
Inj Date : 18-JUN-2007 12:43
Operator : Inst ID: vms03.i
Smp Info : 2PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3061807C.b\8260A.m
Meth Date : 20-Jun-2007 10:25 lpelo Quant Type: ISTD
Cal Date : 15-JUN-2007 08:57 Cal File: 80PPB.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				39602	4.00000	(a)
M 2 Xylenes (Total)	100				125784	6.00000	(a)
M 3 Trihalomethanes (Total)	100				73652	2.00000	(a)
4 Dichlorodifluoromethane	85	1.455	1.454	(0.196)	17807	2.00000	2.0
5 Chloromethane	50	1.662	1.669	(0.224)	27806	2.00000	2.3
6 Vinyl Chloride	62	1.770	1.774	(0.238)	19772	2.00000	2.6
7 Bromomethane	96	2.190	2.217	(0.295)	10735	2.00000	2.1(q)
8 Chloroethane	64	2.283	2.286	(0.307)	14230	2.00000	2.4
9 Trichlorofluoromethane	101	2.528	2.531	(0.340)	23909	2.00000	2.0(q)
10 Acrolein	56	3.023	3.022	(0.407)	5841	4.00000	4.3
11 1,1,2 Trichlorotrifluoromethan	101	3.050	3.048	(0.410)	14413	2.00000	1.9(aq)
12 Acetone	43	3.112	3.112	(0.419)	15860	4.00000	4.6(a)
13 1,1-Dichloroethene	61	3.257	3.262	(0.438)	25709	2.00000	1.9
109 t-Butyl-Alcohol	59	3.417	3.420	(0.460)	17125	20.0000	18.8(q)
14 Acetonitrile	41	3.469	3.467	(0.467)	34111	20.0000	22.8
15 Iodomethane	142	3.674	3.681	(0.494)	17448	2.00000	1.7(a)
16 Methyl Acetate	43	3.749	3.757	(0.505)	16798	2.00000	2.1(T)
17 Allyl Chloride	41	3.768	3.771	(0.507)	24437	2.00000	1.9
18 Carbon Disulfide	76	3.926	3.928	(0.528)	52235	2.00000	2.1
19 Methylene Chloride	49	3.944	3.963	(0.531)	29271	2.00000	2.2
20 Acrylonitrile	53	4.179	4.187	(0.562)	15286	4.00000	3.9
21 Methyl-tert-butyl ether	73	4.229	4.232	(0.569)	46457	2.00000	2.0
22 trans 1,2-Dichloroethene	61	4.408	4.410	(0.593)	24172	2.00000	2.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	5.073	5.072	(0.683)	29403	2.00000	1.9
	24 Vinyl Acetate	43	5.131	5.133	(0.691)	27672	2.00000	1.7
	25 Chloroprene	53	5.206	5.205	(0.701)	27070	2.00000	1.9
	26 2-Butanone	43	5.747	5.744	(0.773)	18694	4.00000	4.3(a)
	27 Propionitrile	54	5.842	5.841	(0.786)	28931	20.0000	19.7
	28 2,2-Dichloropropane	77	5.879	5.882	(0.791)	12440	2.00000	1.8
	29 cis-1,2-Dichloroethene	96	5.945	5.947	(0.800)	15430	2.00000	1.8
	30 Methyacrylonitrile	67	6.092	6.098	(0.820)	68762	20.0000	18.9(q)
	31 Isobutyl Alcohol	43	6.175	6.177	(0.831)	14422	40.0000	41.8(Q)
	32 Chloroform	83	6.150	6.156	(0.828)	30243	2.00000	2.1
	33 Bromochloromethane	49	6.357	6.353	(0.856)	16282	2.00000	2.0
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.435	6.435	(0.866)	16413	2.00000	2.4
	35 1,1,1-Trichloroethane	97	6.656	6.658	(0.896)	22442	2.00000	2.0
	36 Cyclohexane	56	6.655	6.654	(0.896)	27784	2.00000	1.8(a)
	37 1,1-Dichloropropene	75	6.853	6.850	(0.922)	21830	2.00000	2.0
	38 Carbon tetrachloride	117	6.954	6.960	(0.936)	15597	2.00000	1.9
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.058	7.058	(0.950)	3600	2.00000	2.3(Q)
	40 1,2-Dichloroethane	62	7.168	7.166	(0.965)	25563	2.00000	2.0
	41 Benzene	78	7.169	7.172	(0.965)	63965	2.00000	2.0
*	42 FLUOROBENZENE (IS)	96	7.431	7.430	(1.000)	1350622	50.0000	
	43 Trichloroethylene	130	7.878	7.879	(1.060)	16277	2.00000	2.1
	44 Methyl Cyclohexane	55	7.939	7.940	(1.068)	21799	2.00000	1.9(a)
	45 1,2-Dichloropropane	63	8.080	8.082	(1.087)	17474	2.00000	1.9
	46 Methyl Methacrylate	69	8.182	8.175	(1.101)	10174	2.00000	1.8(q)
	47 Bromodichloromethane	83	8.333	8.333	(1.121)	21496	2.00000	1.9
	48 1,4 Dioxane	88	8.383	8.388	(1.128)	2817	40.0000	35.1(q)
	49 Dibromomethane	93	8.387	8.386	(1.129)	10403	2.00000	1.9
	50 4-Methyl-2-Pentanone	43	8.733	8.733	(0.664)	33050	4.00000	3.5(a)
	51 2-Hexanone	43	9.639	9.641	(0.899)	27348	4.00000	4.0(a)
	52 cis 1,3-Dichloropropene	75	8.926	8.926	(1.201)	25175	2.00000	1.8
$	53 TOLUENE d8 (surr)	98	9.174	9.174	(1.235)	64290	2.00000	2.4
	54 Toluene	92	9.255	9.255	(1.245)	39689	2.00000	2.0
	55 trans 1,3-Dichloropropene	75	9.457	9.456	(1.273)	19856	2.00000	1.6
	56 Ethyl Methacrylate	69	9.459	9.461	(1.273)	16441	2.00000	1.6
	57 1,1,2-Trichloroethane	97	9.609	9.613	(1.293)	15463	2.00000	2.0
	58 1,3-Dichloropropane	76	9.874	9.873	(0.920)	25518	2.00000	1.9
	59 Tetrachloroethylene	164	9.928	9.925	(0.926)	11819	2.00000	1.9
	60 Dibromochloromethane	129	10.134	10.135	(0.945)	13757	2.00000	1.7
	61 1,2-Dibromoethane	107	10.341	10.338	(0.964)	14678	2.00000	1.9
	62 1-Chlorohexane	91	10.512	10.512	(0.980)	20063	2.00000	2.0
*	63 CHLOROBENZENE d5 (IS)	117	10.727	10.726	(1.000)	992094	50.0000	
	64 Chlorobenzene	112	10.765	10.765	(1.004)	44858	2.00000	2.0
	65 1,1,1,2-Tetrachloroethane	131	10.811	10.811	(1.008)	12674	2.00000	1.8(q)
	66 Ethylbenzene	106	10.821	10.819	(1.009)	24005	2.00000	2.0(q)
	67 p,m-Xylene	106	10.897	10.896	(1.016)	59706	4.00000	3.9
	68 o-Xylene	91	11.340	11.336	(1.057)	66078	2.00000	1.9
	69 Styrene	104	11.374	11.374	(1.060)	42751	2.00000	1.8
	70 Bromoform	173	11.717	11.718	(1.092)	8156	2.00000	1.5
	71 1-Methylethylbenzene	105	11.701	11.699	(0.890)	70511	2.00000	2.0
	72 1,4-Dichloro-2-Butene	53	11.380	11.342	(0.866)	636	4.00000	4.2(Q)
	73 1,1,2,2-Tetrachloroethane	83	11.877	11.878	(0.903)	19761	2.00000	2.0
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.954	11.954	(0.909)	25963	2.00000	2.4
	75 1,2,3- trichloropropane	110	12.024	12.021	(0.915)	6080	2.00000	2.0
	76 n-Propylbenzene	91	12.105	12.105	(0.921)	91435	2.00000	2.0

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	12.147	12.145	(0.924)	34166	2.00000	2.1
78 1,3,5-Trimethylbenzene	105	12.264	12.262	(0.933)	60370	2.00000	1.8
79 2-Chlorotoluene	91	12.283	12.283	(0.934)	62784	2.00000	1.9
80 4-Chlorotoluene	91	12.330	12.331	(0.938)	60955	2.00000	2.0
81 tert-Butylbenzene	119	12.623	12.622	(0.960)	57255	2.00000	1.9
82 1,2,4-trimethylbenzene	105	12.660	12.658	(0.963)	62422	2.00000	1.9
83 sec-Butylbenzene	105	12.835	12.835	(0.976)	71977	2.00000	1.9
84 p-Isopropyltoluene	119	12.973	12.971	(0.987)	58362	2.00000	1.8
85 1,3-Dichlorobenzene	146	13.072	13.070	(0.994)	33764	2.00000	2.0
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.146	13.146	(1.000)	517507	50.0000	
87 1,4-Dichlorobenzene	146	13.179	13.177	(1.002)	34744	2.00000	2.0(q)
88 Benzyl Chloride	91	13.295	13.295	(1.011)	13489	2.00000	1.3
89 n-Butylbenzene	91	13.384	13.384	(1.018)	51447	2.00000	1.8
90 1,2-Dichlorobenzene	146	13.552	13.552	(1.031)	32597	2.00000	2.0
91 1,2-dibromo-3-chloropropane	75	14.307	14.308	(1.088)	2466	2.00000	1.5(q)
92 1,2,4-Trichlorobenzene	180	15.009	15.003	(1.142)	14598	2.00000	1.7
93 Hexachlorobutadiene	223	15.112	15.104	(1.150)	4044	2.00000	1.7(Q)
94 Naphthalene	128	15.203	15.194	(1.156)	32529	2.00000	1.6
95 1,2,3-trichlorobenzene	180	15.377	15.367	(1.170)	12841	2.00000	1.7
103 Isopropyl Ether	45	4.966	4.967	(0.668)	60388	2.00000	2.0
104 Ethyl acetate	43	5.994	5.995	(0.807)	33249	4.00000	3.9
105 Cyclohexanone	55	11.767	11.767	(1.097)	20325	20.0000	17.7
106 Ethyl ether	59	2.856	2.858	(0.384)	15078	2.00000	2.0(aQ)
107 2-Nitropropane	43	8.428	8.429	(1.134)	6476	4.00000	3.5(aq)
108 Tetrahydrofuran	42	6.437	6.436	(0.866)	14565	4.00000	5.5(a)
112 2-Cleve	63	8.692	8.692	(1.170)	14125	4.00000	3.2(aq)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 2PPB.D
Lab Smp Id: 2PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3061807C.b\8260A.m
Misc Info:

Calibration Date: 18-JUN-2007
Calibration Time: 14:17
Client Smp ID: 2PPBCAL
Level: LOW
Sample Type: WATER

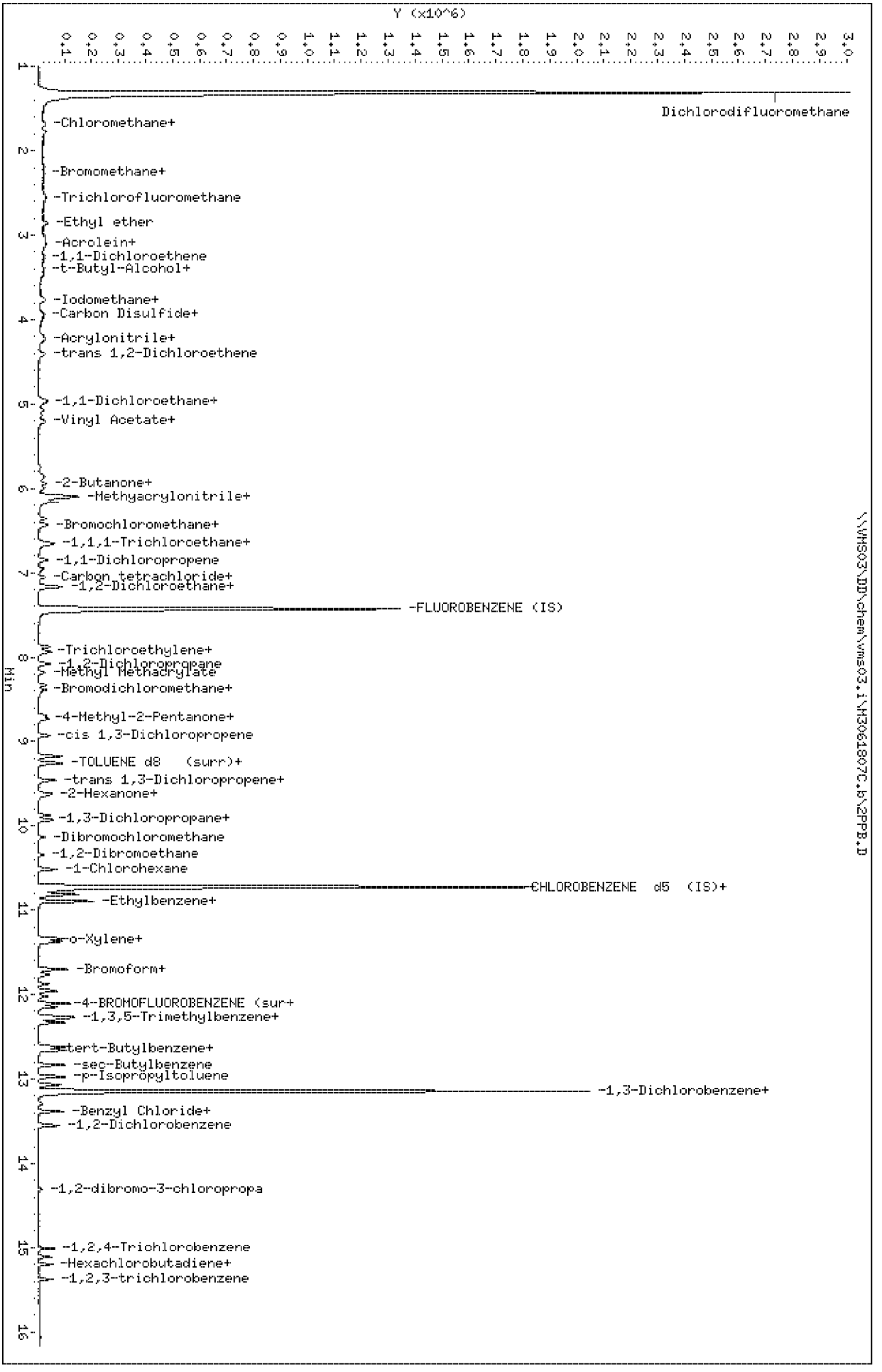
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1365201	682601	2730402	1350622	-1.07
63 CHLOROBENZENE d5	981241	490621	1962482	992094	1.11
86 1,4-DICHLOROBENZE	539868	269934	1079736	517507	-4.14

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	-0.02
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	-0.01
86 1,4-DICHLOROBENZE	13.15	12.65	13.65	13.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3061807C.b\2PPB.D
Date : 18-JUN-2007 12:43
Client ID: 2PPBCAL
Sample Info: 2PPBCAL
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3061807C.b\5PPB.D
Lab Smp Id: 5PPBTCAL Client Smp ID: 5PPBTCAL
Inj Date : 18-JUN-2007 13:06
Operator : Inst ID: vms03.i
Smp Info : 5PPBTCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3061807C.b\8260A.m
Meth Date : 20-Jun-2007 10:25 lpelo Quant Type: ISTD
Cal Date : 15-JUN-2007 08:57 Cal File: 80PPB.D
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				103983	10.0000	(a)
M 2 Xylenes (Total)	100				317266	15.0000	(a)
M 3 Trihalomethanes (Total)	100				186617	5.00000	(a)
4 Dichlorodifluoromethane	85	1.453	1.454	(0.196)	47381	5.00000	5.5
5 Chloromethane	50	1.668	1.669	(0.224)	65909	5.00000	5.5
6 Vinyl Chloride	62	1.767	1.774	(0.238)	50410	5.00000	7.0
7 Bromomethane	96	2.191	2.217	(0.295)	26804	5.00000	5.4(q)
8 Chloroethane	64	2.277	2.286	(0.306)	35537	5.00000	6.2(q)
9 Trichlorofluoromethane	101	2.527	2.531	(0.340)	62145	5.00000	5.3
10 Acrolein	56	3.018	3.022	(0.406)	13044	10.0000	9.6
11 1,1,2 Trichlorotrifluoromethan	101	3.054	3.048	(0.411)	38975	5.00000	5.1(aq)
12 Acetone	43	3.105	3.112	(0.418)	39879	10.0000	12.1
13 1,1-Dichloroethene	61	3.255	3.262	(0.438)	67293	5.00000	5.1
109 t-Butyl-Alcohol	59	3.410	3.420	(0.459)	43769	50.0000	48.0(q)
14 Acetonitrile	41	3.466	3.467	(0.466)	70652	50.0000	46.9
15 Iodomethane	142	3.681	3.681	(0.495)	46426	5.00000	4.4
16 Methyl Acetate	43	3.752	3.757	(0.505)	41122	5.00000	5.3
17 Allyl Chloride	41	3.768	3.771	(0.507)	61009	5.00000	4.8
18 Carbon Disulfide	76	3.922	3.928	(0.528)	130151	5.00000	5.4
19 Methylene Chloride	49	3.943	3.963	(0.531)	69346	5.00000	5.2
20 Acrylonitrile	53	4.176	4.187	(0.562)	35434	10.0000	9.0
21 Methyl-tert-butyl ether	73	4.224	4.232	(0.568)	113974	5.00000	4.9
22 trans 1,2-Dichloroethene	61	4.408	4.410	(0.593)	60182	5.00000	4.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	5.074	5.072	(0.683)	77902	5.00000	5.1
	24 Vinyl Acetate	43	5.134	5.133	(0.691)	77805	5.00000	4.7
	25 Chloroprene	53	5.204	5.205	(0.700)	71125	5.00000	5.0
	26 2-Butanone	43	5.739	5.744	(0.772)	43770	10.0000	10.1
	27 Propionitrile	54	5.838	5.841	(0.786)	70522	50.0000	47.9
	28 2,2-Dichloropropane	77	5.878	5.882	(0.791)	34610	5.00000	5.2
	29 cis-1,2-Dichloroethene	96	5.941	5.947	(0.799)	43801	5.00000	5.3
	30 Methyacrylonitrile	67	6.093	6.098	(0.820)	180137	50.0000	49.7
	31 Isobutyl Alcohol	43	6.172	6.177	(0.831)	45579	100.000	142(Q)
	32 Chloroform	83	6.153	6.156	(0.828)	74780	5.00000	5.1
	33 Bromochloromethane	49	6.358	6.353	(0.856)	41756	5.00000	5.0
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.436	6.435	(0.866)	32398	5.00000	4.7
	35 1,1,1-Trichloroethane	97	6.653	6.658	(0.895)	55853	5.00000	4.9
	36 Cyclohexane	56	6.658	6.654	(0.896)	80402	5.00000	5.2(a)
	37 1,1-Dichloropropene	75	6.852	6.850	(0.922)	54738	5.00000	5.2
	38 Carbon tetrachloride	117	6.958	6.960	(0.936)	39575	5.00000	4.7
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.055	7.058	(0.949)	6691	5.00000	4.2(Q)
	40 1,2-Dichloroethane	62	7.166	7.166	(0.964)	65127	5.00000	5.1
	41 Benzene	78	7.168	7.172	(0.965)	160478	5.00000	5.2
*	42 FLUOROBENZENE (IS)	96	7.432	7.430	(1.000)	1345346	50.0000	
	43 Trichloroethylene	130	7.879	7.879	(1.060)	40446	5.00000	5.2
	44 Methyl Cyclohexane	55	7.935	7.940	(1.068)	56732	5.00000	5.1(a)
	45 1,2-Dichloropropane	63	8.081	8.082	(1.087)	45032	5.00000	5.0
	46 Methyl Methacrylate	69	8.180	8.175	(1.101)	25492	5.00000	4.6(q)
	47 Bromodichloromethane	83	8.334	8.333	(1.121)	54054	5.00000	4.8
	48 1,4 Dioxane	88	8.383	8.388	(1.128)	6931	100.000	84.5(Q)
	49 Dibromomethane	93	8.384	8.386	(1.128)	25582	5.00000	4.8
	50 4-Methyl-2-Pentanone	43	8.726	8.733	(0.664)	88840	10.0000	9.2
	51 2-Hexanone	43	9.637	9.641	(0.898)	64250	10.0000	9.7
	52 cis 1,3-Dichloropropene	75	8.928	8.926	(1.201)	64634	5.00000	4.6
$	53 TOLUENE d8 (surr)	98	9.174	9.174	(1.234)	127832	5.00000	4.6
	54 Toluene	92	9.255	9.255	(1.245)	100996	5.00000	5.1
	55 trans 1,3-Dichloropropene	75	9.457	9.456	(1.273)	53945	5.00000	4.3
	56 Ethyl Methacrylate	69	9.459	9.461	(1.273)	42903	5.00000	4.2
	57 1,1,2-Trichloroethane	97	9.614	9.613	(1.294)	37863	5.00000	4.9
	58 1,3-Dichloropropane	76	9.874	9.873	(0.920)	65866	5.00000	5.0
	59 Tetrachloroethylene	164	9.930	9.925	(0.926)	32031	5.00000	5.4
	60 Dibromochloromethane	129	10.135	10.135	(0.945)	35506	5.00000	4.5
	61 1,2-Dibromoethane	107	10.340	10.338	(0.964)	36246	5.00000	4.7
	62 1-Chlorohexane	91	10.512	10.512	(0.980)	49070	5.00000	5.0
*	63 CHLOROBENZENE d5 (IS)	117	10.727	10.726	(1.000)	966411	50.0000	
	64 Chlorobenzene	112	10.766	10.765	(1.004)	111879	5.00000	5.0
	65 1,1,1,2-Tetrachloroethane	131	10.812	10.811	(1.008)	33876	5.00000	4.9(q)
	66 Ethylbenzene	106	10.822	10.819	(1.009)	57493	5.00000	5.0
	67 p,m-Xylene	106	10.897	10.896	(1.016)	150067	10.0000	10.2
	68 o-Xylene	91	11.339	11.336	(1.057)	167199	5.00000	4.9
	69 Styrene	104	11.376	11.374	(1.061)	113040	5.00000	4.8
	70 Bromoform	173	11.714	11.718	(1.092)	22277	5.00000	4.2
	71 1-Methylethylbenzene	105	11.701	11.699	(0.890)	185761	5.00000	5.2
	72 1,4-Dichloro-2-Butene	53	11.362	11.342	(0.864)	1917	10.0000	13.6(qM)
	73 1,1,2,2-Tetrachloroethane	83	11.876	11.878	(0.903)	49284	5.00000	5.0
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.955	11.954	(0.909)	52179	5.00000	4.9
	75 1,2,3- trichloropropane	110	12.025	12.021	(0.915)	14701	5.00000	4.7
	76 n-Propylbenzene	91	12.104	12.105	(0.921)	231824	5.00000	5.1

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	12.147	12.145	(0.924)	86653	5.00000	5.3
78 1,3,5-Trimethylbenzene	105	12.263	12.262	(0.933)	165211	5.00000	5.1
79 2-Chlorotoluene	91	12.284	12.283	(0.934)	171579	5.00000	5.3
80 4-Chlorotoluene	91	12.330	12.331	(0.938)	165963	5.00000	5.5
81 tert-Butylbenzene	119	12.622	12.622	(0.960)	150007	5.00000	5.0
82 1,2,4-trimethylbenzene	105	12.659	12.658	(0.963)	166363	5.00000	5.1
83 sec-Butylbenzene	105	12.835	12.835	(0.976)	191251	5.00000	5.0
84 p-Isopropyltoluene	119	12.972	12.971	(0.987)	158211	5.00000	4.9
85 1,3-Dichlorobenzene	146	13.071	13.070	(0.994)	86753	5.00000	5.1
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.146	13.146	(1.000)	516203	50.0000	
87 1,4-Dichlorobenzene	146	13.177	13.177	(1.002)	87055	5.00000	5.2
88 Benzyl Chloride	91	13.294	13.295	(1.011)	36784	5.00000	3.5
89 n-Butylbenzene	91	13.385	13.384	(1.018)	137975	5.00000	4.8
90 1,2-Dichlorobenzene	146	13.551	13.552	(1.031)	82457	5.00000	4.9
91 1,2-dibromo-3-chloropropane	75	14.307	14.308	(1.088)	7065	5.00000	4.2(q)
92 1,2,4-Trichlorobenzene	180	15.008	15.003	(1.142)	36117	5.00000	4.0
93 Hexachlorobutadiene	223	15.109	15.104	(1.149)	11166	5.00000	4.8(q)
94 Naphthalene	128	15.200	15.194	(1.156)	83305	5.00000	3.8
95 1,2,3-trichlorobenzene	180	15.374	15.367	(1.170)	30727	5.00000	3.9
103 Isopropyl Ether	45	4.964	4.967	(0.668)	151856	5.00000	5.0
104 Ethyl acetate	43	5.993	5.995	(0.806)	82368	10.0000	9.6
105 Cyclohexanone	55	11.764	11.767	(1.097)	50515	50.0000	44.3
106 Ethyl ether	59	2.855	2.858	(0.384)	38729	5.00000	5.2(aq)
107 2-Nitropropane	43	8.428	8.429	(1.134)	15829	10.0000	8.3(a)
108 Tetrahydrofuran	42	6.433	6.436	(0.866)	30642	10.0000	11.9
112 2-Cleve	63	8.694	8.692	(1.170)	40167	10.0000	8.9(a)

QC Flag Legend

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

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 5PPB.D
Lab Smp Id: 5PPBTCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3061807C.b\8260A.m
Misc Info:

Calibration Date: 18-JUN-2007
Calibration Time: 14:17
Client Smp ID: 5PPBTCAL
Level: LOW
Sample Type: WATER

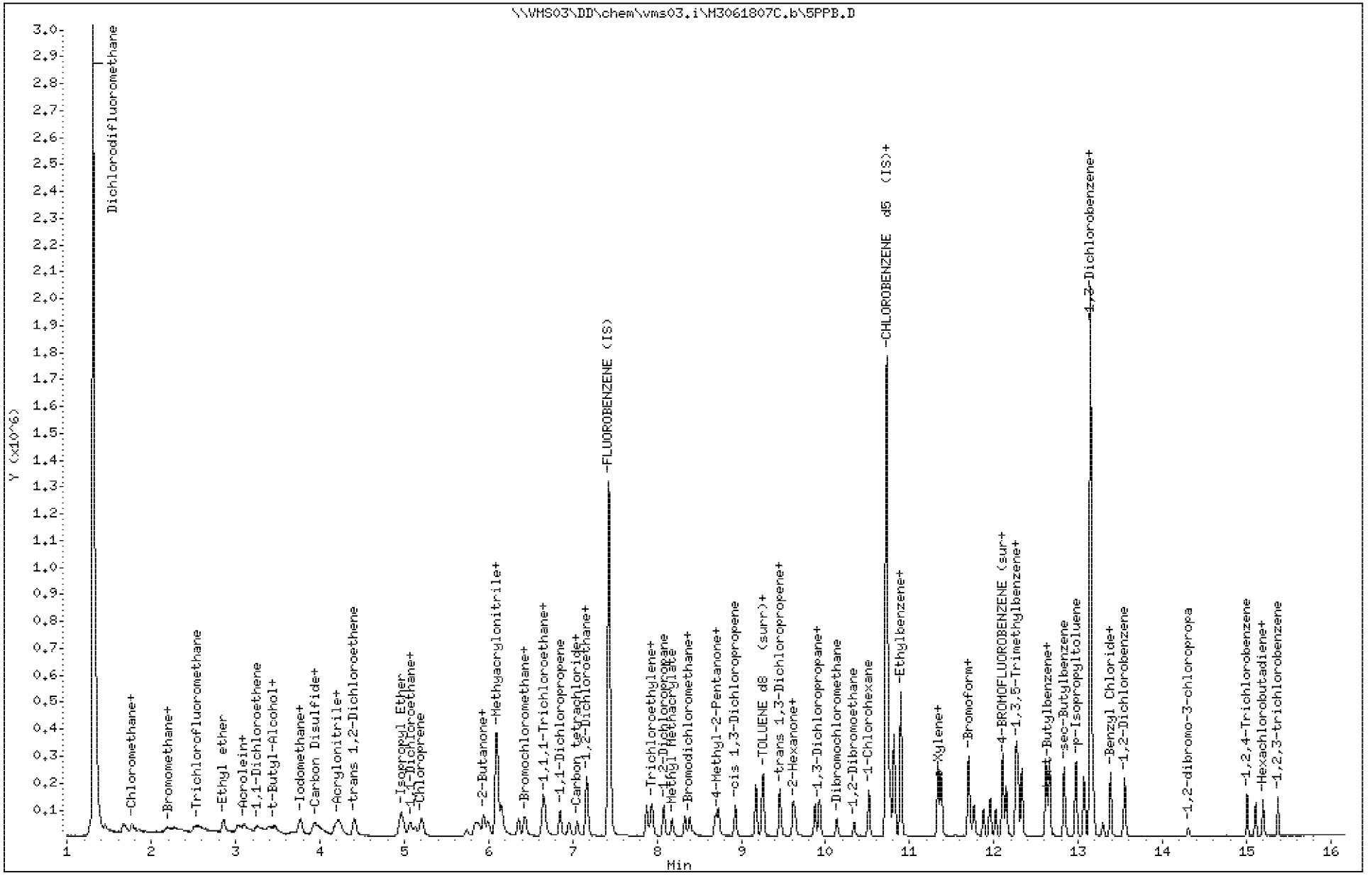
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1365201	682601	2730402	1345346	-1.45
63 CHLOROBENZENE d5	981241	490621	1962482	966411	-1.51
86 1,4-DICHLOROBENZE	539868	269934	1079736	516203	-4.38

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	-0.01
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	-0.01
86 1,4-DICHLOROBENZE	13.15	12.65	13.65	13.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3061807C.b\5PPB.D
Date : 18-JUN-2007 13:06
Client ID: 5PPBTCAL
Sample Info: 5PPBTCAL
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



AO-471

2506964

PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3061807C.b\10PPB.D
Lab Smp Id: 10PPBCAL Client Smp ID: 10PPBCAL
Inj Date : 18-JUN-2007 13:30
Operator : Inst ID: vms03.i
Smp Info : 10PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3061807C.b\8260A.m
Meth Date : 20-Jun-2007 10:25 lpelo Quant Type: ISTD
Cal Date : 15-JUN-2007 08:57 Cal File: 80PPB.D
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				222945	20.0000	(a)
M 2 Xylenes (Total)	100				690173	30.0000	(a)
M 3 Trihalomethanes (Total)	100				413453	10.0000	(a)
4 Dichlorodifluoromethane	85	1.454	1.454	(0.196)	82262	10.0000	9.3
5 Chloromethane	50	1.661	1.669	(0.223)	119671	10.0000	9.8
6 Vinyl Chloride	62	1.764	1.774	(0.237)	84671	10.0000	11.9
7 Bromomethane	96	2.189	2.217	(0.295)	48269	10.0000	9.4(q)
8 Chloroethane	64	2.277	2.286	(0.306)	55670	10.0000	9.4(q)
9 Trichlorofluoromethane	101	2.525	2.531	(0.340)	113757	10.0000	9.3
10 Acrolein	56	3.016	3.022	(0.406)	26836	20.0000	19.2(q)
11 1,1,2 Trichlorotrifluoromethan	101	3.053	3.048	(0.411)	70976	10.0000	9.0(aq)
12 Acetone	43	3.104	3.112	(0.418)	73922	20.0000	22.5
13 1,1-Dichloroethene	61	3.261	3.262	(0.439)	138409	10.0000	10.4
109 t-Butyl-Alcohol	59	3.397	3.420	(0.457)	86547	100.000	91.6(Q)
14 Acetonitrile	41	3.461	3.467	(0.466)	164784	100.000	109
15 Iodomethane	142	3.682	3.681	(0.495)	104466	10.0000	9.7
16 Methyl Acetate	43	3.753	3.757	(0.505)	88876	10.0000	11.5
17 Allyl Chloride	41	3.770	3.771	(0.507)	141281	10.0000	11.0(Q)
18 Carbon Disulfide	76	3.925	3.928	(0.528)	230631	10.0000	9.3
19 Methylene Chloride	49	3.951	3.963	(0.532)	147261	10.0000	11.0
20 Acrylonitrile	53	4.179	4.187	(0.562)	77677	20.0000	19.3
21 Methyl-tert-butyl ether	73	4.223	4.232	(0.568)	229500	10.0000	9.6
22 trans 1,2-Dichloroethene	61	4.409	4.410	(0.593)	132823	10.0000	10.8

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	5.074	5.072	(0.683)	163560	10.0000	10.5
	24 Vinyl Acetate	43	5.134	5.133	(0.691)	150922	10.0000	8.8
	25 Chloroprene	53	5.208	5.205	(0.701)	154167	10.0000	10.7
	26 2-Butanone	43	5.739	5.744	(0.772)	85963	20.0000	19.3
	27 Propionitrile	54	5.837	5.841	(0.785)	162512	100.000	111
	28 2,2-Dichloropropane	77	5.881	5.882	(0.791)	78040	10.0000	11.9
	29 cis-1,2-Dichloroethene	96	5.941	5.947	(0.799)	90122	10.0000	10.8(Q)
	30 Methyacrylonitrile	67	6.092	6.098	(0.820)	387663	100.000	106
	31 Isobutyl Alcohol	43	6.168	6.177	(0.830)	72219	200.000	227(Q)
	32 Chloroform	83	6.156	6.156	(0.828)	160863	10.0000	11.1
	33 Bromochloromethane	49	6.358	6.353	(0.855)	92453	10.0000	11.2
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.436	6.435	(0.866)	66862	10.0000	9.5
	35 1,1,1-Trichloroethane	97	6.658	6.658	(0.896)	124815	10.0000	11.0
	36 Cyclohexane	56	6.662	6.654	(0.896)	166246	10.0000	10.7
	37 1,1-Dichloropropene	75	6.853	6.850	(0.922)	116380	10.0000	11.0
	38 Carbon tetrachloride	117	6.960	6.960	(0.936)	86792	10.0000	10.1
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.055	7.058	(0.949)	15338	10.0000	9.3(q)
	40 1,2-Dichloroethane	62	7.168	7.166	(0.964)	140136	10.0000	10.9
	41 Benzene	78	7.169	7.172	(0.965)	343282	10.0000	11.1
*	42 FLUOROBENZENE (IS)	96	7.433	7.430	(1.000)	1371707	50.0000	
	43 Trichloroethylene	130	7.880	7.879	(1.060)	83957	10.0000	10.9
	44 Methyl Cyclohexane	55	7.939	7.940	(1.068)	119273	10.0000	10.7
	45 1,2-Dichloropropane	63	8.082	8.082	(1.087)	99318	10.0000	11.0
	46 Methyl Methacrylate	69	8.180	8.175	(1.100)	57589	10.0000	10.3(q)
	47 Bromodichloromethane	83	8.334	8.333	(1.121)	119793	10.0000	10.6
	48 1,4 Dioxane	88	8.383	8.388	(1.128)	17745	200.000	215(q)
	49 Dibromomethane	93	8.386	8.386	(1.128)	61023	10.0000	11.5
	50 4-Methyl-2-Pentanone	43	8.725	8.733	(0.664)	191846	20.0000	19.4(M)
	51 2-Hexanone	43	9.636	9.641	(0.898)	134254	20.0000	20.0
	52 cis 1,3-Dichloropropene	75	8.928	8.926	(1.201)	143031	10.0000	10.0
$	53 TOLUENE d8 (surr)	98	9.174	9.174	(1.234)	265342	10.0000	9.3
	54 Toluene	92	9.257	9.255	(1.245)	219580	10.0000	11.0
	55 trans 1,3-Dichloropropene	75	9.457	9.456	(1.272)	130119	10.0000	10.2
	56 Ethyl Methacrylate	69	9.459	9.461	(1.273)	105649	10.0000	10.1
	57 1,1,2-Trichloroethane	97	9.614	9.613	(1.293)	84498	10.0000	11.0
	58 1,3-Dichloropropane	76	9.875	9.873	(0.921)	143407	10.0000	11.1
	59 Tetrachloroethylene	164	9.929	9.925	(0.926)	66283	10.0000	11.3
	60 Dibromochloromethane	129	10.137	10.135	(0.945)	80265	10.0000	10.2
	61 1,2-Dibromoethane	107	10.341	10.338	(0.964)	81934	10.0000	10.7
	62 1-Chlorohexane	91	10.513	10.512	(0.980)	102692	10.0000	10.3
*	63 CHLOROBENZENE d5 (IS)	117	10.728	10.726	(1.000)	981432	50.0000	
	64 Chlorobenzene	112	10.766	10.765	(1.004)	246254	10.0000	11.2
	65 1,1,1,2-Tetrachloroethane	131	10.812	10.811	(1.008)	70519	10.0000	10.2(q)
	66 Ethylbenzene	106	10.821	10.819	(1.009)	125492	10.0000	11.0
	67 p,m-Xylene	106	10.899	10.896	(1.016)	323226	20.0000	22.1
	68 o-Xylene	91	11.339	11.336	(1.057)	366947	10.0000	10.8
	69 Styrene	104	11.376	11.374	(1.060)	244659	10.0000	10.3
	70 Bromoform	173	11.716	11.718	(1.092)	52532	10.0000	9.7
	71 1-Methylethylbenzene	105	11.701	11.699	(0.890)	400702	10.0000	11.2
	72 1,4-Dichloro-2-Butene	53	11.378	11.342	(0.866)	4380	20.0000	35.0(QM)
	73 1,1,2,2-Tetrachloroethane	83	11.877	11.878	(0.903)	111624	10.0000	11.5
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.955	11.954	(0.909)	108878	10.0000	10.0
	75 1,2,3- trichloropropane	110	12.026	12.021	(0.915)	36314	10.0000	11.7
	76 n-Propylbenzene	91	12.105	12.105	(0.921)	504482	10.0000	11.0

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	12.148	12.145	(0.924)	182593	10.0000	11.2
78 1,3,5-Trimethylbenzene	105	12.264	12.262	(0.933)	355042	10.0000	10.9
79 2-Chlorotoluene	91	12.283	12.283	(0.934)	366177	10.0000	11.4
80 4-Chlorotoluene	91	12.331	12.331	(0.938)	347237	10.0000	11.7
81 tert-Butylbenzene	119	12.623	12.622	(0.960)	327953	10.0000	11.0
82 1,2,4-trimethylbenzene	105	12.660	12.658	(0.963)	358867	10.0000	11.0
83 sec-Butylbenzene	105	12.836	12.835	(0.976)	418987	10.0000	11.0
84 p-Isopropyltoluene	119	12.973	12.971	(0.987)	350411	10.0000	10.8
85 1,3-Dichlorobenzene	146	13.071	13.070	(0.994)	190175	10.0000	11.1
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.146	13.146	(1.000)	526859	50.0000	
87 1,4-Dichlorobenzene	146	13.178	13.177	(1.002)	186642	10.0000	11.0
88 Benzyl Chloride	91	13.296	13.295	(1.011)	93254	10.0000	8.4
89 n-Butylbenzene	91	13.386	13.384	(1.018)	303106	10.0000	10.6
90 1,2-Dichlorobenzene	146	13.550	13.552	(1.031)	185823	10.0000	11.1
91 1,2-dibromo-3-chloropropane	75	14.303	14.308	(1.088)	17831	10.0000	10.3
92 1,2,4-Trichlorobenzene	180	15.001	15.003	(1.141)	90103	10.0000	9.8
93 Hexachlorobutadiene	223	15.102	15.104	(1.149)	24993	10.0000	10.6
94 Naphthalene	128	15.191	15.194	(1.156)	204924	10.0000	9.1
95 1,2,3-trichlorobenzene	180	15.364	15.367	(1.169)	80095	10.0000	10.1
103 Isopropyl Ether	45	4.965	4.967	(0.668)	297265	10.0000	9.6
104 Ethyl acetate	43	5.994	5.995	(0.806)	168594	20.0000	19.0
105 Cyclohexanone	55	11.764	11.767	(1.097)	103822	100.000	87.4
106 Ethyl ether	59	2.855	2.858	(0.384)	72764	10.0000	9.5(aq)
107 2-Nitropropane	43	8.429	8.429	(1.134)	35144	20.0000	17.6
108 Tetrahydrofuran	42	6.430	6.436	(0.865)	55587	20.0000	21.5
112 2-Cleve	63	8.694	8.692	(1.170)	79324	20.0000	16.7(q)

QC Flag Legend

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

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 10PPB.D
Lab Smp Id: 10PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3061807C.b\8260A.m
Misc Info:

Calibration Date: 18-JUN-2007
Calibration Time: 14:17
Client Smp ID: 10PPBCAL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1365201	682601	2730402	1371707	0.48
63 CHLOROBENZENE d5	981241	490621	1962482	981432	0.02
86 1,4-DICHLOROBENZE	539868	269934	1079736	526859	-2.41

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.01
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	-0.00
86 1,4-DICHLOROBENZE	13.15	12.65	13.65	13.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3061807C.b\10PPB.D

Date : 18-JUN-2007 13:30

Client ID: 10PPBCAL

Instrument: vms03.i

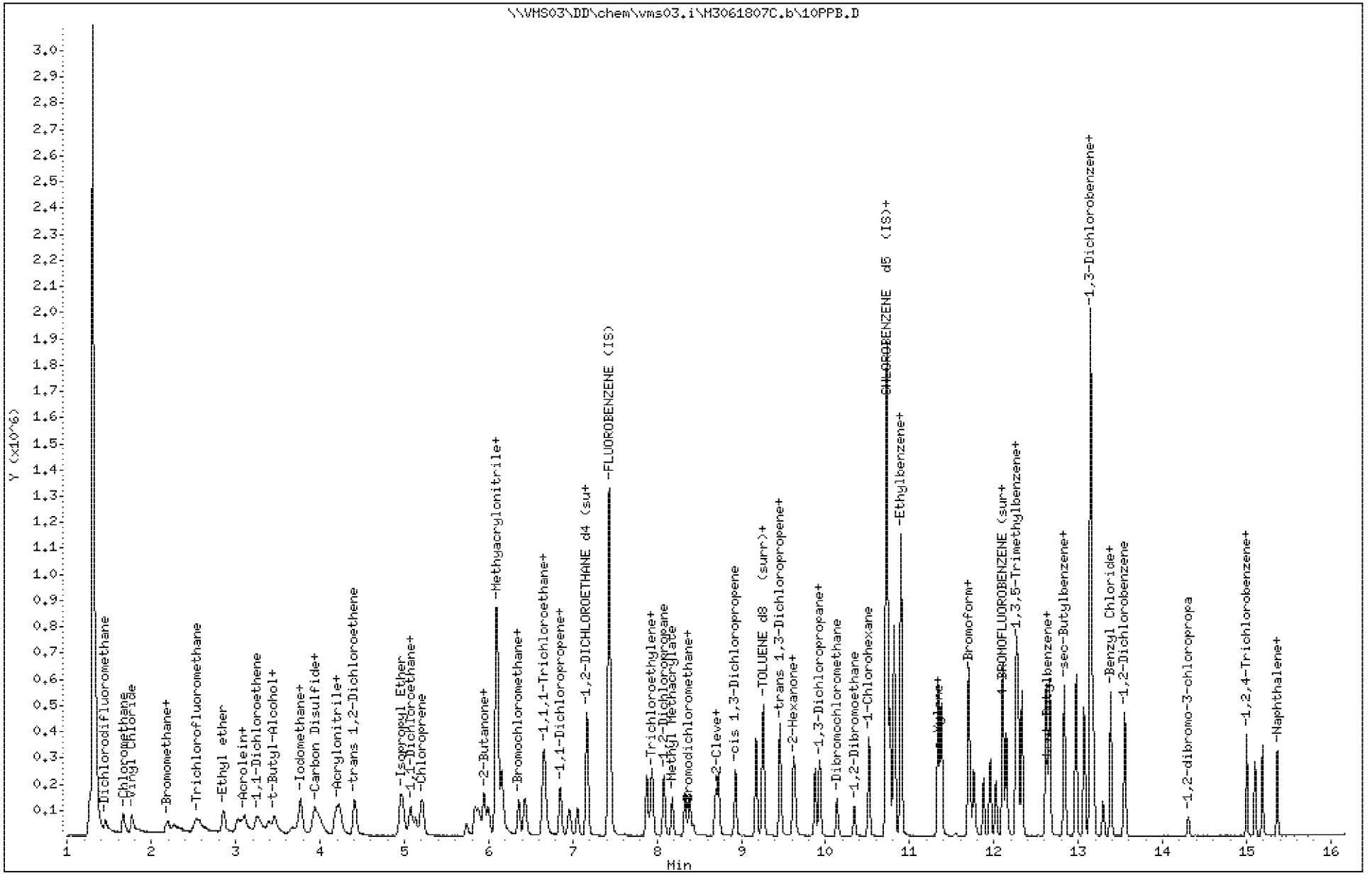
Sample Info: 10PPBCAL

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3061807C.b\20PPB.D
Lab Smp Id: 20PPBCAL Client Smp ID: 20PPBCAL
Inj Date : 18-JUN-2007 13:53
Operator : Inst ID: vms03.i
Smp Info : 20PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3061807C.b\8260A.m
Meth Date : 20-Jun-2007 10:25 lpelo Quant Type: ISTD
Cal Date : 15-JUN-2007 08:57 Cal File: 80PPB.D
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				402381	40.0000	(a)
M 2 Xylenes (Total)	100				1224778	60.0000	(a)
M 3 Trihalomethanes (Total)	100				754989	20.0000	(a)
4 Dichlorodifluoromethane	85	1.455	1.454	(0.196)	169639	20.0000	19.3
5 Chloromethane	50	1.663	1.669	(0.224)	238402	20.0000	19.9
6 Vinyl Chloride	62	1.763	1.774	(0.237)	156410	20.0000	23.3
7 Bromomethane	96	2.188	2.217	(0.294)	96582	20.0000	18.8(q)
8 Chloroethane	64	2.277	2.286	(0.306)	109372	20.0000	18.6(q)
9 Trichlorofluoromethane	101	2.523	2.531	(0.340)	232178	20.0000	19.2
10 Acrolein	56	3.014	3.022	(0.406)	55930	40.0000	40.9(q)
11 1,1,2 Trichlorotrifluoromethan	101	3.054	3.048	(0.411)	145050	20.0000	18.2(q)
12 Acetone	43	3.100	3.112	(0.417)	137303	40.0000	43.3
13 1,1-Dichloroethene	61	3.259	3.262	(0.439)	253115	20.0000	19.2
109 t-Butyl-Alcohol	59	3.393	3.420	(0.456)	195924	200.000	215(Q)
14 Acetonitrile	41	3.459	3.467	(0.465)	309827	200.000	212
15 Iodomethane	142	3.682	3.681	(0.495)	214318	20.0000	20.3
16 Methyl Acetate	43	3.751	3.757	(0.505)	155246	20.0000	20.6
17 Allyl Chloride	41	3.768	3.771	(0.507)	252164	20.0000	20.1(q)
18 Carbon Disulfide	76	3.925	3.928	(0.528)	477229	20.0000	19.4
19 Methylene Chloride	49	3.957	3.963	(0.532)	259033	20.0000	19.6
20 Acrylonitrile	53	4.175	4.187	(0.562)	161598	40.0000	41.0
21 Methyl-tert-butyl ether	73	4.221	4.232	(0.568)	490902	20.0000	21.3
22 trans 1,2-Dichloroethene	61	4.408	4.410	(0.593)	239599	20.0000	19.8

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	5.073	5.072	(0.683)	304813	20.0000	20.0
	24 Vinyl Acetate	43	5.130	5.133	(0.690)	328236	20.0000	19.2
	25 Chloroprene	53	5.206	5.205	(0.700)	278003	20.0000	19.4
	26 2-Butanone	43	5.735	5.744	(0.772)	187931	40.0000	44.0
	27 Propionitrile	54	5.833	5.841	(0.785)	302631	200.000	213
	28 2,2-Dichloropropane	77	5.878	5.882	(0.791)	131147	20.0000	20.4
	29 cis-1,2-Dichloroethene	96	5.944	5.947	(0.800)	162782	20.0000	19.9
	30 Methyacrylonitrile	67	6.091	6.098	(0.820)	736578	200.000	207
	31 Isobutyl Alcohol	43	6.162	6.177	(0.829)	126639	400.000	406(q)
	32 Chloroform	83	6.154	6.156	(0.828)	286127	20.0000	20.0
	33 Bromochloromethane	49	6.359	6.353	(0.856)	167475	20.0000	20.9
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.436	6.435	(0.866)	141607	20.0000	20.5
	35 1,1,1-Trichloroethane	97	6.658	6.658	(0.896)	219856	20.0000	19.5
	36 Cyclohexane	56	6.660	6.654	(0.896)	295085	20.0000	19.1
	37 1,1-Dichloropropene	75	6.853	6.850	(0.922)	204663	20.0000	19.5
	38 Carbon tetrachloride	117	6.960	6.960	(0.936)	156378	20.0000	18.2
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.057	7.058	(0.949)	32240	20.0000	19.8(q)
	40 1,2-Dichloroethane	62	7.166	7.166	(0.964)	255822	20.0000	20.4
	41 Benzene	78	7.168	7.172	(0.964)	608689	20.0000	20.0
*	42 FLUOROBENZENE (IS)	96	7.433	7.430	(1.000)	1348541	50.0000	
	43 Trichloroethylene	130	7.880	7.879	(1.060)	149023	20.0000	19.6
	44 Methyl Cyclohexane	55	7.939	7.940	(1.068)	209116	20.0000	18.7
	45 1,2-Dichloropropane	63	8.082	8.082	(1.087)	177406	20.0000	20.0
	46 Methyl Methacrylate	69	8.181	8.175	(1.101)	111555	20.0000	20.3(q)
	47 Bromodichloromethane	83	8.335	8.333	(1.121)	217964	20.0000	19.5
	48 1,4 Dioxane	88	8.380	8.388	(1.127)	33443	400.000	418(q)
	49 Dibromomethane	93	8.385	8.386	(1.128)	105764	20.0000	20.3
	50 4-Methyl-2-Pentanone	43	8.725	8.733	(0.664)	431122	40.0000	43.5(M)
	51 2-Hexanone	43	9.634	9.641	(0.898)	281670	40.0000	43.1
	52 cis 1,3-Dichloropropene	75	8.928	8.926	(1.201)	269253	20.0000	19.0
$	53 TOLUENE d8 (surr)	98	9.174	9.174	(1.234)	566775	20.0000	20.4
	54 Toluene	92	9.257	9.255	(1.245)	385388	20.0000	19.6
	55 trans 1,3-Dichloropropene	75	9.457	9.456	(1.272)	240696	20.0000	18.9
	56 Ethyl Methacrylate	69	9.459	9.461	(1.273)	203180	20.0000	19.8
	57 1,1,2-Trichloroethane	97	9.615	9.613	(1.294)	155340	20.0000	20.9
	58 1,3-Dichloropropane	76	9.874	9.873	(0.920)	265013	20.0000	20.8
	59 Tetrachloroethylene	164	9.928	9.925	(0.925)	115188	20.0000	19.6
	60 Dibromochloromethane	129	10.136	10.135	(0.945)	149275	20.0000	18.7
	61 1,2-Dibromoethane	107	10.340	10.338	(0.964)	151811	20.0000	20.0
	62 1-Chlorohexane	91	10.513	10.512	(0.980)	190481	20.0000	19.1
*	63 CHLOROBENZENE d5 (IS)	117	10.728	10.726	(1.000)	974230	50.0000	
	64 Chlorobenzene	112	10.766	10.765	(1.004)	433649	20.0000	19.7
	65 1,1,1,2-Tetrachloroethane	131	10.812	10.811	(1.008)	134959	20.0000	19.5(q)
	66 Ethylbenzene	106	10.820	10.819	(1.009)	224388	20.0000	19.6
	67 p,m-Xylene	106	10.898	10.896	(1.016)	565143	40.0000	38.5
	68 o-Xylene	91	11.339	11.336	(1.057)	659635	20.0000	19.5
	69 Styrene	104	11.375	11.374	(1.060)	450801	20.0000	18.9
	70 Bromoform	173	11.716	11.718	(1.092)	101623	20.0000	18.7
	71 1-Methylethylbenzene	105	11.701	11.699	(0.890)	722397	20.0000	19.6
	72 1,4-Dichloro-2-Butene	53	11.375	11.342	(0.865)	4404	40.0000	32.7(q)
	73 1,1,2,2-Tetrachloroethane	83	11.877	11.878	(0.903)	210041	20.0000	21.4
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.955	11.954	(0.909)	230499	20.0000	20.8
	75 1,2,3- trichloropropane	110	12.024	12.021	(0.915)	67234	20.0000	21.6
	76 n-Propylbenzene	91	12.105	12.105	(0.921)	929354	20.0000	19.8

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	12.148	12.145	(0.924)	333368	20.0000	20.0
78 1,3,5-Trimethylbenzene	105	12.264	12.262	(0.933)	656189	20.0000	19.6
79 2-Chlorotoluene	91	12.284	12.283	(0.934)	657349	20.0000	20.0
80 4-Chlorotoluene	91	12.331	12.331	(0.938)	610055	20.0000	20.0
81 tert-Butylbenzene	119	12.624	12.622	(0.960)	599243	20.0000	19.5
82 1,2,4-trimethylbenzene	105	12.659	12.658	(0.963)	654859	20.0000	19.4
83 sec-Butylbenzene	105	12.836	12.835	(0.976)	760095	20.0000	19.4
84 p-Isopropyltoluene	119	12.974	12.971	(0.987)	641576	20.0000	19.1
85 1,3-Dichlorobenzene	146	13.071	13.070	(0.994)	350284	20.0000	20.0
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.147	13.146	(1.000)	540635	50.0000	
87 1,4-Dichlorobenzene	146	13.178	13.177	(1.002)	344696	20.0000	19.8
88 Benzyl Chloride	91	13.297	13.295	(1.011)	189392	20.0000	15.7
89 n-Butylbenzene	91	13.386	13.384	(1.018)	564693	20.0000	19.0
90 1,2-Dichlorobenzene	146	13.551	13.552	(1.031)	340149	20.0000	19.8
91 1,2-dibromo-3-chloropropane	75	14.306	14.308	(1.088)	34227	20.0000	19.1(q)
92 1,2,4-Trichlorobenzene	180	15.003	15.003	(1.141)	171490	20.0000	17.7
93 Hexachlorobutadiene	223	15.104	15.104	(1.149)	45220	20.0000	18.2
94 Naphthalene	128	15.193	15.194	(1.156)	414540	20.0000	17.4
95 1,2,3-trichlorobenzene	180	15.368	15.367	(1.169)	149142	20.0000	17.8
103 Isopropyl Ether	45	4.963	4.967	(0.668)	616851	20.0000	20.2
104 Ethyl acetate	43	5.991	5.995	(0.806)	359753	40.0000	41.7
105 Cyclohexanone	55	11.763	11.767	(1.096)	249616	200.000	216
106 Ethyl ether	59	2.855	2.858	(0.384)	152707	20.0000	20.4(q)
107 2-Nitropropane	43	8.429	8.429	(1.134)	75379	40.0000	37.8
108 Tetrahydrofuran	42	6.424	6.436	(0.864)	110685	40.0000	44.9
112 2-Cleve	63	8.693	8.692	(1.170)	170172	40.0000	35.4

QC Flag Legend

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

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 20PPB.D
Lab Smp Id: 20PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3061807C.b\8260A.m
Misc Info:

Calibration Date: 18-JUN-2007
Calibration Time: 14:17
Client Smp ID: 20PPBCAL
Level: LOW
Sample Type: WATER

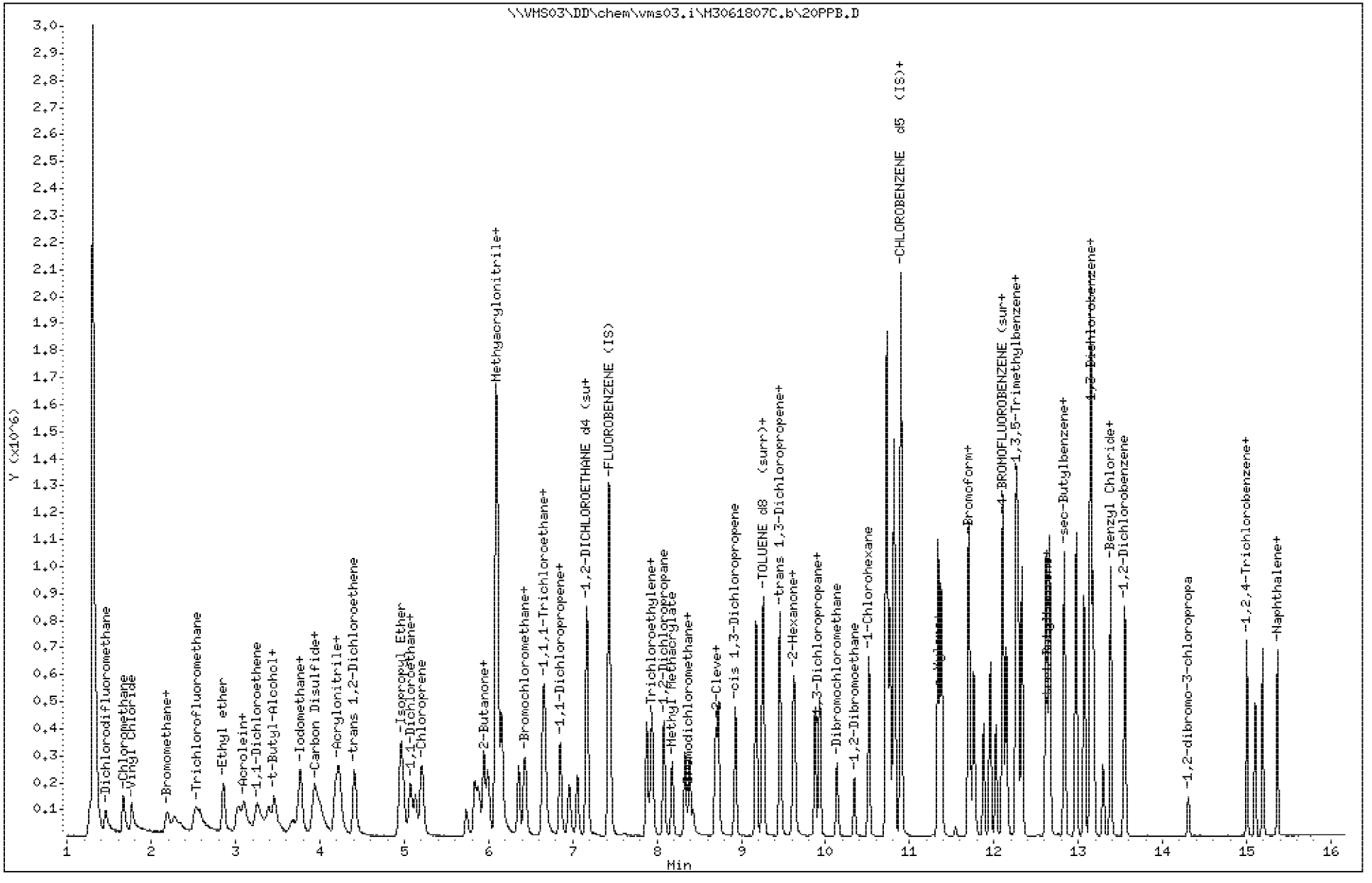
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1365201	682601	2730402	1348541	-1.22
63 CHLOROBENZENE d5	981241	490621	1962482	974230	-0.71
86 1,4-DICHLOROBENZE	539868	269934	1079736	540635	0.14

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.00
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	-0.00
86 1,4-DICHLOROBENZE	13.15	12.65	13.65	13.15	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3061807C.b\20PPB.D
Date : 18-JUN-2007 13:53
Client ID: 20PPBCAL
Sample Info: 20PPBCAL
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



AO-481

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PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3061807C.b\50PPB.D
Lab Smp Id: 50PPBCAL Client Smp ID: 50PPBCAL
Inj Date : 18-JUN-2007 14:17
Operator : Inst ID: vms03.i
Smp Info : 50PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3061807C.b\8260A.m
Meth Date : 20-Jun-2007 10:25 lpelo Quant Type: ISTD
Cal Date : 15-JUN-2007 08:57 Cal File: 80PPB.D
Als bottle: 9 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	
M 1 1,2-Dichloroethene (Total)	100				1009127	100.000		(a)
M 2 Xylenes (Total)	100				3130052	150.000		(a)
M 3 Trihalomethanes (Total)	100				1946979	50.0000		(a)
4 Dichlorodifluoromethane	85	1.454	1.454	(0.196)	457515	50.0000		(aQ)
5 Chloromethane	50	1.664	1.669	(0.224)	599042	50.0000		(aQ)
6 Vinyl Chloride	62	1.760	1.774	(0.237)	348354	50.0000		(aQ)
7 Bromomethane	96	2.185	2.217	(0.294)	251013	50.0000		(aQ)
8 Chloroethane	64	2.276	2.286	(0.306)	297658	50.0000		(aQ)
9 Trichlorofluoromethane	101	2.521	2.531	(0.339)	585277	50.0000		(aQ)
10 Acrolein	56	3.016	3.022	(0.406)	135259	100.000		(Q)
11 1,1,2 Trichlorotrifluoromethan	101	3.047	3.048	(0.410)	389626	50.0000		(aQ)
12 Acetone	43	3.104	3.112	(0.418)	315937	100.000		(aQ)
13 1,1-Dichloroethene	61	3.260	3.262	(0.439)	648506	50.0000		(aQ)
109 t-Butyl-Alcohol	59	3.394	3.420	(0.457)	453392	500.000		(Q)
14 Acetonitrile	41	3.460	3.467	(0.466)	750147	500.000		(aQ)
15 Iodomethane	142	3.685	3.681	(0.496)	525419	50.0000		(aQ)
16 Methyl Acetate	43	3.749	3.757	(0.505)	374539	50.0000		(aQ)
17 Allyl Chloride	41	3.769	3.771	(0.507)	627958	50.0000		(aQ)
18 Carbon Disulfide	76	3.924	3.928	(0.528)	1203097	50.0000		(aQ)
19 Methylene Chloride	49	3.955	3.963	(0.532)	667711	50.0000		(aQ)
20 Acrylonitrile	53	4.177	4.187	(0.562)	398225	100.000		(aQ)
21 Methyl-tert-butyl ether	73	4.222	4.232	(0.568)	1109485	50.0000		(aQ)
22 trans 1,2-Dichloroethene	61	4.408	4.410	(0.593)	604205	50.0000		(aQ)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	
	23 1,1-Dichloroethane	63	5.074	5.072	(0.683)	759110	50.0000		(aQ)
	24 Vinyl Acetate	43	5.131	5.133	(0.690)	837938	50.0000		(aQ)
	25 Chloroprene	53	5.207	5.205	(0.701)	703309	50.0000		(aQ)
	26 2-Butanone	43	5.733	5.744	(0.771)	427744	100.000		(aQ)
	27 Propionitrile	54	5.833	5.841	(0.785)	721007	500.000		(aQ)
	28 2,2-Dichloropropane	77	5.880	5.882	(0.791)	325321	50.0000		(aQ)
	29 cis-1,2-Dichloroethene	96	5.944	5.947	(0.800)	404922	50.0000		(aQ)
	30 Methyacrylonitrile	67	6.093	6.098	(0.820)	1799348	500.000		(aQ)
	31 Isobutyl Alcohol	43	6.160	6.177	(0.829)	312259	1000.00		(TaQ)
	32 Chloroform	83	6.155	6.156	(0.828)	715292	50.0000		(aQ)
	33 Bromochloromethane	49	6.357	6.353	(0.855)	403743	50.0000		(Q)
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.437	6.435	(0.866)	350909	50.0000		(aQ)
	35 1,1,1-Trichloroethane	97	6.657	6.658	(0.896)	564060	50.0000		(aQ)
	36 Cyclohexane	56	6.658	6.654	(0.896)	761769	50.0000		(aQ)
	37 1,1-Dichloropropene	75	6.853	6.850	(0.922)	510690	50.0000		(aQ)
	38 Carbon tetrachloride	117	6.959	6.960	(0.936)	420512	50.0000		(aQ)
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.056	7.058	(0.949)	82928	50.0000		(aQ)
	40 1,2-Dichloroethane	62	7.166	7.166	(0.964)	633539	50.0000		(aQ)
	41 Benzene	78	7.169	7.172	(0.965)	1516782	50.0000		(aQ)
*	42 FLUOROBENZENE (IS)	96	7.432	7.430	(1.000)	1365201	50.0000		(Q)
	43 Trichloroethylene	130	7.880	7.879	(1.060)	375002	50.0000		(aQ)
	44 Methyl Cyclohexane	55	7.936	7.940	(1.068)	548773	50.0000		(aQ)
	45 1,2-Dichloropropane	63	8.081	8.082	(1.087)	437612	50.0000		(aQ)
	46 Methyl Methacrylate	69	8.179	8.175	(1.100)	277350	50.0000		(aQ)
	47 Bromodichloromethane	83	8.335	8.333	(1.121)	557402	50.0000		(aQ)
	48 1,4 Dioxane	88	8.378	8.388	(1.127)	78506	1000.00		(TaQ)
	49 Dibromomethane	93	8.386	8.386	(1.128)	261828	50.0000		(aQ)
	50 4-Methyl-2-Pentanone	43	8.720	8.733	(0.663)	1028998	100.000		(aQM)
	51 2-Hexanone	43	9.633	9.641	(0.898)	673761	100.000		(aQ)
	52 cis 1,3-Dichloropropene	75	8.929	8.926	(1.201)	705684	50.0000		(aQ)
$	53 TOLUENE d8 (surr)	98	9.174	9.174	(1.234)	1393221	50.0000		(aQ)
	54 Toluene	92	9.257	9.255	(1.245)	974712	50.0000		(aQ)
	55 trans 1,3-Dichloropropene	75	9.457	9.456	(1.272)	635006	50.0000		(aQ)
	56 Ethyl Methacrylate	69	9.459	9.461	(1.273)	514590	50.0000		(aQ)
	57 1,1,2-Trichloroethane	97	9.614	9.613	(1.294)	378022	50.0000		(aQ)
	58 1,3-Dichloropropane	76	9.874	9.873	(0.920)	642050	50.0000		(aQ)
	59 Tetrachloroethylene	164	9.929	9.925	(0.925)	289293	50.0000		(aQ)
	60 Dibromochloromethane	129	10.136	10.135	(0.945)	402537	50.0000		(aQ)
	61 1,2-Dibromoethane	107	10.340	10.338	(0.964)	385311	50.0000		(aQ)
	62 1-Chlorohexane	91	10.513	10.512	(0.980)	490346	50.0000		(aQ)
*	63 CHLOROBENZENE d5 (IS)	117	10.728	10.726	(1.000)	981241	50.0000		(Q)
	64 Chlorobenzene	112	10.766	10.765	(1.004)	1091201	50.0000		(aQ)
	65 1,1,1,2-Tetrachloroethane	131	10.812	10.811	(1.008)	346650	50.0000		(aQ)
	66 Ethylbenzene	106	10.822	10.819	(1.009)	562893	50.0000		(aQ)
	67 p,m-Xylene	106	10.899	10.896	(1.016)	1449459	100.000		(aQ)
	68 o-Xylene	91	11.339	11.336	(1.057)	1680593	50.0000		(aQ)
	69 Styrene	104	11.375	11.374	(1.060)	1172671	50.0000		(aQ)
	70 Bromoform	173	11.716	11.718	(1.092)	271748	50.0000		(aQ)
	71 1-Methylethylbenzene	105	11.701	11.699	(0.890)	1842759	50.0000		(aQ)
	72 1,4-Dichloro-2-Butene	53	11.374	11.342	(0.865)	13149	100.000		(aQ)
	73 1,1,2,2-Tetrachloroethane	83	11.877	11.878	(0.903)	498555	50.0000		(aQ)
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.954	11.954	(0.909)	559062	50.0000		(aQ)
	75 1,2,3- trichloropropane	110	12.025	12.021	(0.915)	160529	50.0000		(aQ)
	76 n-Propylbenzene	91	12.105	12.105	(0.921)	2323565	50.0000		(aQ)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	
77 Bromobenzene	77	12.148	12.145	(0.924)	836752	50.0000		(aQ)
78 1,3,5-Trimethylbenzene	105	12.264	12.262	(0.933)	1667878	50.0000		(aQ)
79 2-Chlorotoluene	91	12.284	12.283	(0.934)	1633390	50.0000		(aQ)
80 4-Chlorotoluene	91	12.331	12.331	(0.938)	1514259	50.0000		(aQ)
81 tert-Butylbenzene	119	12.623	12.622	(0.960)	1520057	50.0000		(aQ)
82 1,2,4-trimethylbenzene	105	12.660	12.658	(0.963)	1687968	50.0000		(aQ)
83 sec-Butylbenzene	105	12.836	12.835	(0.976)	1934276	50.0000		(aQ)
84 p-Isopropyltoluene	119	12.974	12.971	(0.987)	1649526	50.0000		(aQ)
85 1,3-Dichlorobenzene	146	13.071	13.070	(0.994)	864968	50.0000		(aQ)
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.146	13.146	(1.000)	539868	50.0000		(Q)
87 1,4-Dichlorobenzene	146	13.178	13.177	(1.002)	865290	50.0000		(aQ)
88 Benzyl Chloride	91	13.296	13.295	(1.011)	583030	50.0000		(aQ)
89 n-Butylbenzene	91	13.385	13.384	(1.018)	1474753	50.0000		(aQ)
90 1,2-Dichlorobenzene	146	13.551	13.552	(1.031)	862208	50.0000		(aQ)
91 1,2-dibromo-3-chloropropane	75	14.305	14.308	(1.088)	91795	50.0000		(aQ)
92 1,2,4-Trichlorobenzene	180	15.003	15.003	(1.141)	473984	50.0000		(aQ)
93 Hexachlorobutadiene	223	15.105	15.104	(1.149)	123175	50.0000		(aQ)
94 Naphthalene	128	15.195	15.194	(1.156)	1176859	50.0000		(aQ)
95 1,2,3-trichlorobenzene	180	15.369	15.367	(1.169)	411363	50.0000		(aQ)
103 Isopropyl Ether	45	4.964	4.967	(0.668)	1507318	50.0000		(Q)
104 Ethyl acetate	43	5.990	5.995	(0.806)	870359	100.000		(Q)
105 Cyclohexanone	55	11.762	11.767	(1.096)	571567	500.000		(aQ)
106 Ethyl ether	59	2.855	2.858	(0.384)	379446	50.0000		(aQ)
107 2-Nitropropane	43	8.430	8.429	(1.134)	199751	100.000		(aQ)
108 Tetrahydrofuran	42	6.422	6.436	(0.864)	251527	100.000		(aQ)
112 2-Cleve	63	8.694	8.692	(1.170)	468885	100.000		(TaQ)

QC Flag Legend

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

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 50PPB.D
Lab Smp Id: 50PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3061807C.b\8260A.m
Misc Info:

Calibration Date: 18-JUN-2007
Calibration Time: 14:17
Client Smp ID: 50PPBCAL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1365201	682601	2730402	1365201	0.00
63 CHLOROBENZENE d5	981241	490621	1962482	981241	0.00
86 1,4-DICHLOROBENZE	539868	269934	1079736	539868	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.00
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	0.00
86 1,4-DICHLOROBENZE	13.15	12.65	13.65	13.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3061807C.b\50PPB.D

Date : 18-JUN-2007 14:17

Client ID: 50PPBCAL

Instrument: vms03.i

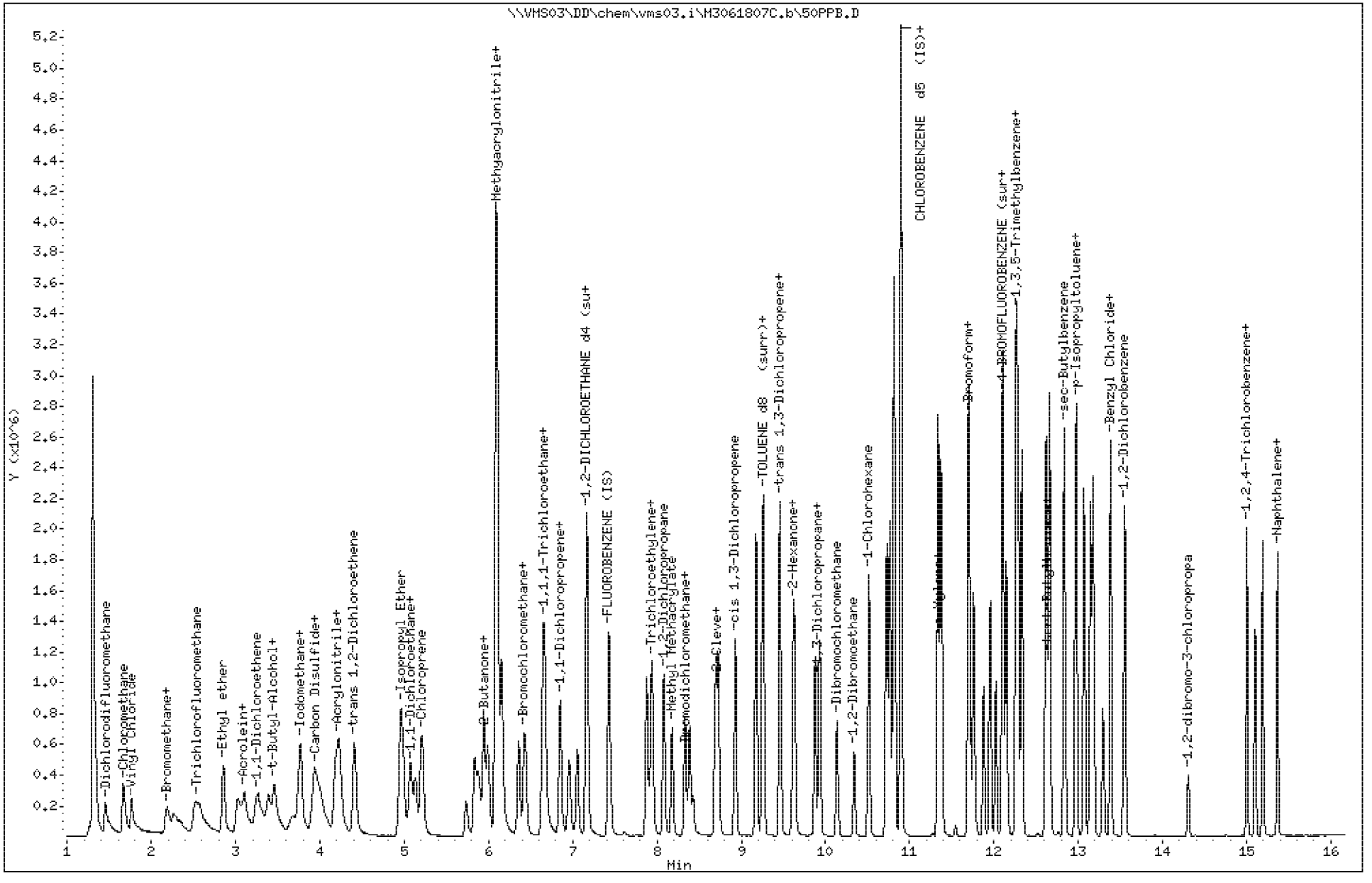
Sample Info: 50PPBCAL

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3061807C.b\60PPB.D
Lab Smp Id: 60PPBCAL Client Smp ID: 60PPBCAL
Inj Date : 18-JUN-2007 14:40
Operator : Inst ID: vms03.i
Smp Info : 60PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3061807C.b\8260A.m
Meth Date : 20-Jun-2007 10:25 lpelo Quant Type: ISTD
Cal Date : 15-JUN-2007 08:57 Cal File: 80PPB.D
Als bottle: 10 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				1217929	120.000	(a)
M 2 Xylenes (Total)	100				3844259	180.000	(a)
M 3 Trihalomethanes (Total)	100				2327192	60.0000	(a)
4 Dichlorodifluoromethane	85	1.453	1.454	(0.196)	520920	60.0000	59.5
5 Chloromethane	50	1.666	1.669	(0.224)	722287	60.0000	61.0
6 Vinyl Chloride	62	1.760	1.774	(0.237)	403364	60.0000	60.8
7 Bromomethane	96	2.186	2.217	(0.294)	308707	60.0000	60.6(q)
8 Chloroethane	64	2.276	2.286	(0.306)	352002	60.0000	60.2(q)
9 Trichlorofluoromethane	101	2.526	2.531	(0.340)	744115	60.0000	62.9
10 Acrolein	56	3.015	3.022	(0.406)	161173	120.000	118(q)
11 1,1,2 Trichlorotrifluoromethan	101	3.048	3.048	(0.410)	486385	60.0000	62.4(q)
12 Acetone	43	3.104	3.112	(0.418)	385854	120.000	124
13 1,1-Dichloroethene	61	3.261	3.262	(0.439)	788902	60.0000	60.3
109 t-Butyl-Alcohol	59	3.397	3.420	(0.457)	539014	600.000	593(q)
14 Acetonitrile	41	3.462	3.467	(0.466)	849567	600.000	579
15 Iodomethane	142	3.687	3.681	(0.496)	642099	60.0000	62.0
16 Methyl Acetate	43	3.751	3.757	(0.505)	450532	60.0000	60.2
17 Allyl Chloride	41	3.770	3.771	(0.507)	759387	60.0000	61.3(q)
18 Carbon Disulfide	76	3.925	3.928	(0.528)	1489599	60.0000	61.4
19 Methylene Chloride	49	3.951	3.963	(0.532)	785812	60.0000	59.6
20 Acrylonitrile	53	4.178	4.187	(0.562)	462559	120.000	117
21 Methyl-tert-butyl ether	73	4.224	4.232	(0.568)	1333477	60.0000	57.3
22 trans 1,2-Dichloroethene	61	4.409	4.410	(0.593)	725768	60.0000	60.8

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	5.075	5.072	(0.683)	923534	60.0000	61.4
	24 Vinyl Acetate	43	5.132	5.133	(0.690)	1016715	60.0000	60.0
	25 Chloroprene	53	5.207	5.205	(0.701)	875113	60.0000	62.4
	26 2-Butanone	43	5.734	5.744	(0.771)	507429	120.000	119
	27 Propionitrile	54	5.834	5.841	(0.785)	831987	600.000	585
	28 2,2-Dichloropropane	77	5.882	5.882	(0.791)	394505	60.0000	62.7
	29 cis-1,2-Dichloroethene	96	5.946	5.947	(0.800)	492161	60.0000	60.8
	30 Methyacrylonitrile	67	6.093	6.098	(0.820)	2106780	600.000	595
	31 Isobutyl Alcohol	43	6.161	6.177	(0.829)	360436	1200.00	1140(Q)
	32 Chloroform	83	6.157	6.156	(0.828)	854165	60.0000	60.4
	33 Bromochloromethane	49	6.359	6.353	(0.855)	480793	60.0000	60.7
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.438	6.435	(0.866)	421114	60.0000	62.2
	35 1,1,1-Trichloroethane	97	6.659	6.658	(0.896)	682008	60.0000	61.6
	36 Cyclohexane	56	6.659	6.654	(0.896)	931022	60.0000	61.1
	37 1,1-Dichloropropene	75	6.855	6.850	(0.922)	638065	60.0000	62.0
	38 Carbon tetrachloride	117	6.960	6.960	(0.936)	525886	60.0000	62.2
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.057	7.058	(0.949)	97811	60.0000	60.8(q)
	40 1,2-Dichloroethane	62	7.168	7.166	(0.964)	748620	60.0000	60.0
	41 Benzene	78	7.168	7.172	(0.964)	1841312	60.0000	61.4
*	42 FLUOROBENZENE (IS)	96	7.433	7.430	(1.000)	1339407	50.0000	
	43 Trichloroethylene	130	7.881	7.879	(1.060)	461697	60.0000	61.5
	44 Methyl Cyclohexane	55	7.938	7.940	(1.068)	679994	60.0000	61.9
	45 1,2-Dichloropropane	63	8.082	8.082	(1.087)	538086	60.0000	61.5
	46 Methyl Methacrylate	69	8.180	8.175	(1.100)	322087	60.0000	58.7(q)
	47 Bromodichloromethane	83	8.335	8.333	(1.121)	679056	60.0000	61.6
	48 1,4 Dioxane	88	8.378	8.388	(1.127)	98172	1200.00	1250(q)
	49 Dibromomethane	93	8.387	8.386	(1.128)	310148	60.0000	60.0
	50 4-Methyl-2-Pentanone	43	8.721	8.733	(0.663)	1190297	120.000	121(M)
	51 2-Hexanone	43	9.633	9.641	(0.898)	791357	120.000	120
	52 cis 1,3-Dichloropropene	75	8.929	8.926	(1.201)	850211	60.0000	60.5
$	53 TOLUENE d8 (surr)	98	9.175	9.174	(1.234)	1682365	60.0000	61.5
	54 Toluene	92	9.257	9.255	(1.245)	1175912	60.0000	60.2
	55 trans 1,3-Dichloropropene	75	9.457	9.456	(1.272)	756451	60.0000	59.6
	56 Ethyl Methacrylate	69	9.459	9.461	(1.272)	604899	60.0000	58.9
	57 1,1,2-Trichloroethane	97	9.615	9.613	(1.293)	443726	60.0000	60.2
	58 1,3-Dichloropropane	76	9.875	9.873	(0.920)	768055	60.0000	59.8
	59 Tetrachloroethylene	164	9.929	9.925	(0.925)	361185	60.0000	61.7
	60 Dibromochloromethane	129	10.137	10.135	(0.945)	473956	60.0000	58.6
	61 1,2-Dibromoethane	107	10.340	10.338	(0.964)	456364	60.0000	59.4
	62 1-Chlorohexane	91	10.513	10.512	(0.980)	609672	60.0000	60.9
*	63 CHLOROBENZENE d5 (IS)	117	10.728	10.726	(1.000)	980976	50.0000	
	64 Chlorobenzene	112	10.767	10.765	(1.004)	1337685	60.0000	60.6
	65 1,1,1,2-Tetrachloroethane	131	10.813	10.811	(1.008)	411657	60.0000	58.6(q)
	66 Ethylbenzene	106	10.821	10.819	(1.009)	690600	60.0000	60.1
	67 p,m-Xylene	106	10.899	10.896	(1.016)	1788920	120.000	122
	68 o-Xylene	91	11.339	11.336	(1.057)	2055339	60.0000	60.4
	69 Styrene	104	11.375	11.374	(1.060)	1444365	60.0000	60.1
	70 Bromoform	173	11.716	11.718	(1.092)	320015	60.0000	57.6
	71 1-Methylethylbenzene	105	11.702	11.699	(0.890)	2244563	60.0000	62.2
	72 1,4-Dichloro-2-Butene	53	11.373	11.342	(0.865)	15642	120.000	115(Q)
	73 1,1,2,2-Tetrachloroethane	83	11.877	11.878	(0.903)	586702	60.0000	60.4
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.955	11.954	(0.909)	673893	60.0000	62.0
	75 1,2,3- trichloropropane	110	12.025	12.021	(0.915)	189120	60.0000	61.7
	76 n-Propylbenzene	91	12.106	12.105	(0.921)	2883800	60.0000	62.7

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	12.148	12.145	(0.924)	1005669	60.0000	61.2
78 1,3,5-Trimethylbenzene	105	12.264	12.262	(0.933)	2029018	60.0000	61.3
79 2-Chlorotoluene	91	12.284	12.283	(0.934)	2010386	60.0000	62.1
80 4-Chlorotoluene	91	12.332	12.331	(0.938)	1825585	60.0000	60.5
81 tert-Butylbenzene	119	12.624	12.622	(0.960)	1864740	60.0000	61.7
82 1,2,4-trimethylbenzene	105	12.660	12.658	(0.963)	2047009	60.0000	61.4
83 sec-Butylbenzene	105	12.836	12.835	(0.976)	2385776	60.0000	61.8
84 p-Isopropyltoluene	119	12.974	12.971	(0.987)	2051611	60.0000	62.0
85 1,3-Dichlorobenzene	146	13.072	13.070	(0.994)	1062461	60.0000	61.6
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.146	13.146	(1.000)	537468	50.0000	(q)
87 1,4-Dichlorobenzene	146	13.179	13.177	(1.002)	1059720	60.0000	62.1
88 Benzyl Chloride	91	13.296	13.295	(1.011)	717520	60.0000	59.9
89 n-Butylbenzene	91	13.385	13.384	(1.018)	1800753	60.0000	61.2
90 1,2-Dichlorobenzene	146	13.551	13.552	(1.031)	1029660	60.0000	60.7
91 1,2-dibromo-3-chloropropane	75	14.305	14.308	(1.088)	104749	60.0000	58.3(q)
92 1,2,4-Trichlorobenzene	180	15.004	15.003	(1.141)	584989	60.0000	60.9
93 Hexachlorobutadiene	223	15.105	15.104	(1.149)	150594	60.0000	61.4
94 Naphthalene	128	15.194	15.194	(1.156)	1402514	60.0000	58.9
95 1,2,3-trichlorobenzene	180	15.369	15.367	(1.169)	508460	60.0000	61.5
103 Isopropyl Ether	45	4.966	4.967	(0.668)	1849408	60.0000	61.7
104 Ethyl acetate	43	5.991	5.995	(0.806)	1019857	120.000	119
105 Cyclohexanone	55	11.762	11.767	(1.096)	717288	600.000	625
106 Ethyl ether	59	2.856	2.858	(0.384)	444016	60.0000	59.8(q)
107 2-Nitropropane	43	8.430	8.429	(1.134)	235523	120.000	119
108 Tetrahydrofuran	42	6.422	6.436	(0.864)	290264	120.000	118
112 2-Cleve	63	8.694	8.692	(1.170)	574599	120.000	120

QC Flag Legend

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

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 60PPB.D
Lab Smp Id: 60PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3061807C.b\8260A.m
Misc Info:

Calibration Date: 18-JUN-2007
Calibration Time: 14:17
Client Smp ID: 60PPBCAL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1365201	682601	2730402	1339407	-1.89
63 CHLOROBENZENE d5	981241	490621	1962482	980976	-0.03
86 1,4-DICHLOROBENZE	539868	269934	1079736	537468	-0.44

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.01
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	0.00
86 1,4-DICHLOROBENZE	13.15	12.65	13.65	13.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M3061807C.b\60PPB.D

Date : 18-JUN-2007 14:40

Client ID: 60PPBCAL

Instrument: vms03.i

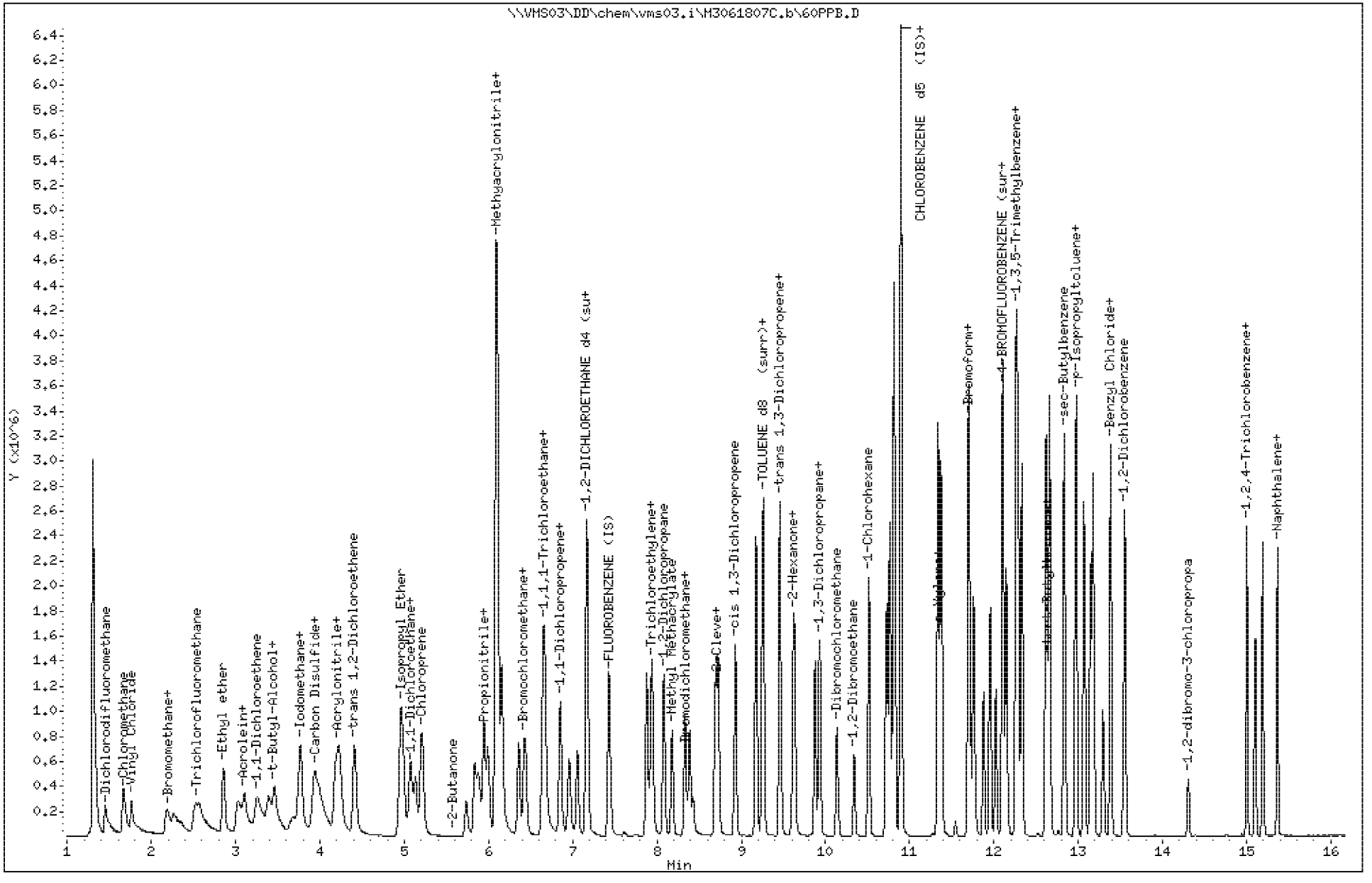
Sample Info: 60PPBCAL

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3061807C.b\80PPB.D
Lab Smp Id: 80PPBCAL Client Smp ID: 80PPBCAL
Inj Date : 18-JUN-2007 15:03
Operator : Inst ID: vms03.i
Smp Info : 80PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3061807C.b\8260A.m
Meth Date : 20-Jun-2007 10:25 lpelo Quant Type: ISTD
Cal Date : 15-JUN-2007 08:57 Cal File: 80PPB.D
Als bottle: 11 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				1619301	160.000	(a)
M 2 Xylenes (Total)	100				5105398	240.000	(a)
M 3 Trihalomethanes (Total)	100				3122879	80.0000	(a)
4 Dichlorodifluoromethane	85	1.454	1.454	(0.196)	682692	80.0000	76.1
5 Chloromethane	50	1.670	1.669	(0.225)	952105	80.0000	81.1(A)
6 Vinyl Chloride	62	1.761	1.774	(0.237)	514494	80.0000	75.3
7 Bromomethane	96	2.187	2.217	(0.294)	421060	80.0000	85.6(Aq)
8 Chloroethane	64	2.276	2.286	(0.306)	467602	80.0000	80.1(Aq)
9 Trichlorofluoromethane	101	2.522	2.531	(0.339)	971723	80.0000	84.7(A)
10 Acrolein	56	3.015	3.022	(0.406)	224543	160.000	169(Aq)
11 1,1,2 Trichlorotrifluoromethan	101	3.048	3.048	(0.410)	634938	80.0000	83.1(Aq)
12 Acetone	43	3.104	3.112	(0.418)	499728	160.000	161(A)
13 1,1-Dichloroethene	61	3.262	3.262	(0.439)	1072542	80.0000	84.4(A)
109 t-Butyl-Alcohol	59	3.399	3.420	(0.457)	742085	800.000	835(Aq)
14 Acetonitrile	41	3.461	3.467	(0.466)	1169839	800.000	796
15 Iodomethane	142	3.687	3.681	(0.496)	830649	80.0000	80.6
16 Methyl Acetate	43	3.749	3.757	(0.505)	608864	80.0000	82.9(A)
17 Allyl Chloride	41	3.768	3.771	(0.507)	993850	80.0000	80.7(Aq)
18 Carbon Disulfide	76	3.923	3.928	(0.528)	1991701	80.0000	84.4(A)
19 Methylene Chloride	49	3.984	3.963	(0.536)	1059044	80.0000	80.9(AQ)
20 Acrylonitrile	53	4.177	4.187	(0.562)	635787	160.000	163(A)
21 Methyl-tert-butyl ether	73	4.224	4.232	(0.568)	1977418	80.0000	90.9(A)
22 trans 1,2-Dichloroethene	61	4.407	4.410	(0.593)	960204	80.0000	81.1(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	5.073	5.072	(0.683)	1213440	80.0000	81.5(A)
	24 Vinyl Acetate	43	5.130	5.133	(0.690)	1394527	80.0000	84.9(A)
	25 Chloroprene	53	5.206	5.205	(0.701)	1139629	80.0000	82.7(A)
	26 2-Butanone	43	5.733	5.744	(0.771)	689274	160.000	164(A)
	27 Propionitrile	54	5.832	5.841	(0.785)	1143192	800.000	809(A)
	28 2,2-Dichloropropane	77	5.879	5.882	(0.791)	494798	80.0000	77.6
	29 cis-1,2-Dichloroethene	96	5.943	5.947	(0.800)	659097	80.0000	83.0(A)
	30 Methyacrylonitrile	67	6.093	6.098	(0.820)	2833326	800.000	803(A)
	31 Isobutyl Alcohol	43	6.159	6.177	(0.829)	516596	1600.00	1690(Q)
	32 Chloroform	83	6.155	6.156	(0.828)	1139220	80.0000	81.2(A)
	33 Bromochloromethane	49	6.357	6.353	(0.855)	633402	80.0000	80.0(A)
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.436	6.435	(0.866)	532695	80.0000	77.4
	35 1,1,1-Trichloroethane	97	6.656	6.658	(0.896)	886155	80.0000	80.1(A)
	36 Cyclohexane	56	6.657	6.654	(0.896)	1240824	80.0000	83.1(A)
	37 1,1-Dichloropropene	75	6.853	6.850	(0.922)	845061	80.0000	84.4(A)
	38 Carbon tetrachloride	117	6.958	6.960	(0.936)	691250	80.0000	83.8(A)
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.055	7.058	(0.949)	127094	80.0000	78.2(q)
	40 1,2-Dichloroethane	62	7.166	7.166	(0.964)	999321	80.0000	80.5(A)
	41 Benzene	78	7.168	7.172	(0.964)	2417757	80.0000	81.3(A)
*	42 FLUOROBENZENE (IS)	96	7.432	7.430	(1.000)	1338040	50.0000	
	43 Trichloroethylene	130	7.880	7.879	(1.060)	611265	80.0000	83.2(A)
	44 Methyl Cyclohexane	55	7.938	7.940	(1.068)	894284	80.0000	83.1(A)
	45 1,2-Dichloropropane	63	8.081	8.082	(1.087)	712918	80.0000	83.1(A)
	46 Methyl Methacrylate	69	8.178	8.175	(1.100)	442474	80.0000	81.4(Aq)
	47 Bromodichloromethane	83	8.334	8.333	(1.121)	888386	80.0000	81.3(A)
	48 1,4 Dioxane	88	8.377	8.388	(1.127)	127617	1600.00	1660(q)
	49 Dibromomethane	93	8.385	8.386	(1.128)	415375	80.0000	80.9(A)
	50 4-Methyl-2-Pentanone	43	8.723	8.733	(0.664)	1571755	160.000	146(M)
	51 2-Hexanone	43	9.632	9.641	(0.898)	1017021	160.000	152
	52 cis 1,3-Dichloropropene	75	8.928	8.926	(1.201)	1138666	80.0000	82.3(A)
$	53 TOLUENE d8 (surr)	98	9.174	9.174	(1.234)	2185439	80.0000	80.0(A)
	54 Toluene	92	9.256	9.255	(1.245)	1590614	80.0000	83.2(A)
	55 trans 1,3-Dichloropropene	75	9.457	9.456	(1.272)	1033748	80.0000	83.0(A)
	56 Ethyl Methacrylate	69	9.458	9.461	(1.273)	834274	80.0000	82.7
	57 1,1,2-Trichloroethane	97	9.614	9.613	(1.294)	584988	80.0000	78.9
	58 1,3-Dichloropropane	76	9.874	9.873	(0.920)	1019621	80.0000	80.1(A)
	59 Tetrachloroethylene	164	9.929	9.925	(0.925)	469548	80.0000	81.9(A)
	60 Dibromochloromethane	129	10.136	10.135	(0.945)	645386	80.0000	80.9(A)
	61 1,2-Dibromoethane	107	10.340	10.338	(0.964)	606764	80.0000	79.5
	62 1-Chlorohexane	91	10.513	10.512	(0.980)	810284	80.0000	83.4(A)
*	63 CHLOROBENZENE d5 (IS)	117	10.728	10.726	(1.000)	972229	50.0000	
	64 Chlorobenzene	112	10.766	10.765	(1.004)	1771649	80.0000	81.9(A)
	65 1,1,1,2-Tetrachloroethane	131	10.812	10.811	(1.008)	564966	80.0000	82.2(Aq)
	66 Ethylbenzene	106	10.821	10.819	(1.009)	929832	80.0000	83.4(A)
	67 p,m-Xylene	106	10.899	10.896	(1.016)	2369819	160.000	165(A)
	68 o-Xylene	91	11.337	11.336	(1.057)	2735579	80.0000	82.1(A)
	69 Styrene	104	11.375	11.374	(1.060)	1950816	80.0000	83.9(A)
	70 Bromoform	173	11.716	11.718	(1.092)	449887	80.0000	83.5(A)
	71 1-Methylethylbenzene	105	11.701	11.699	(0.890)	2978051	80.0000	77.4
	72 1,4-Dichloro-2-Butene	53	11.370	11.342	(0.865)	23582	160.000	172(AQ)
	73 1,1,2,2-Tetrachloroethane	83	11.876	11.878	(0.903)	795682	80.0000	76.5
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.954	11.954	(0.909)	888434	80.0000	76.2
	75 1,2,3- trichloropropane	110	12.025	12.021	(0.915)	246079	80.0000	73.5
	76 n-Propylbenzene	91	12.105	12.105	(0.921)	3829230	80.0000	79.0

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	12.148	12.145	(0.924)	1360294	80.0000	77.9
78 1,3,5-Trimethylbenzene	105	12.264	12.262	(0.933)	2765922	80.0000	79.5
79 2-Chlorotoluene	91	12.284	12.283	(0.934)	2701514	80.0000	79.3
80 4-Chlorotoluene	91	12.331	12.331	(0.938)	2533453	80.0000	80.2(A)
81 tert-Butylbenzene	119	12.624	12.622	(0.960)	2530100	80.0000	79.8
82 1,2,4-trimethylbenzene	105	12.660	12.658	(0.963)	2771894	80.0000	78.7
83 sec-Butylbenzene	105	12.836	12.835	(0.976)	3241081	80.0000	80.3(A)
84 p-Isopropyltoluene	119	12.974	12.971	(0.987)	2793495	80.0000	81.2(A)
85 1,3-Dichlorobenzene	146	13.071	13.070	(0.994)	1449694	80.0000	80.3(A)
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.147	13.146	(1.000)	563179	50.0000	(q)
87 1,4-Dichlorobenzene	146	13.178	13.177	(1.002)	1417874	80.0000	78.5
88 Benzyl Chloride	91	13.296	13.295	(1.011)	1035888	80.0000	85.2
89 n-Butylbenzene	91	13.385	13.384	(1.018)	2472620	80.0000	80.4(A)
90 1,2-Dichlorobenzene	146	13.551	13.552	(1.031)	1405999	80.0000	78.2
91 1,2-dibromo-3-chloropropane	75	14.306	14.308	(1.088)	147914	80.0000	77.2(q)
92 1,2,4-Trichlorobenzene	180	15.003	15.003	(1.141)	819011	80.0000	82.8(A)
93 Hexachlorobutadiene	223	15.104	15.104	(1.149)	205213	80.0000	79.8
94 Naphthalene	128	15.193	15.194	(1.156)	2028838	80.0000	82.6(A)
95 1,2,3-trichlorobenzene	180	15.367	15.367	(1.169)	700144	80.0000	81.6(A)
103 Isopropyl Ether	45	4.964	4.967	(0.668)	2423708	80.0000	82.0(A)
104 Ethyl acetate	43	5.989	5.995	(0.806)	1382154	160.000	162(A)
105 Cyclohexanone	55	11.761	11.767	(1.096)	913993	800.000	807(A)
106 Ethyl ether	59	2.856	2.858	(0.384)	592416	80.0000	79.6(q)
107 2-Nitropropane	43	8.429	8.429	(1.134)	321541	160.000	164(A)
108 Tetrahydrofuran	42	6.420	6.436	(0.864)	391753	160.000	159
112 2-Cleve	63	8.693	8.692	(1.170)	788685	160.000	172(A)

QC Flag Legend

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

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 80PPB.D
Lab Smp Id: 80PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3061807C.b\8260A.m
Misc Info:

Calibration Date: 18-JUN-2007
Calibration Time: 14:17
Client Smp ID: 80PPBCAL
Level: LOW
Sample Type: WATER

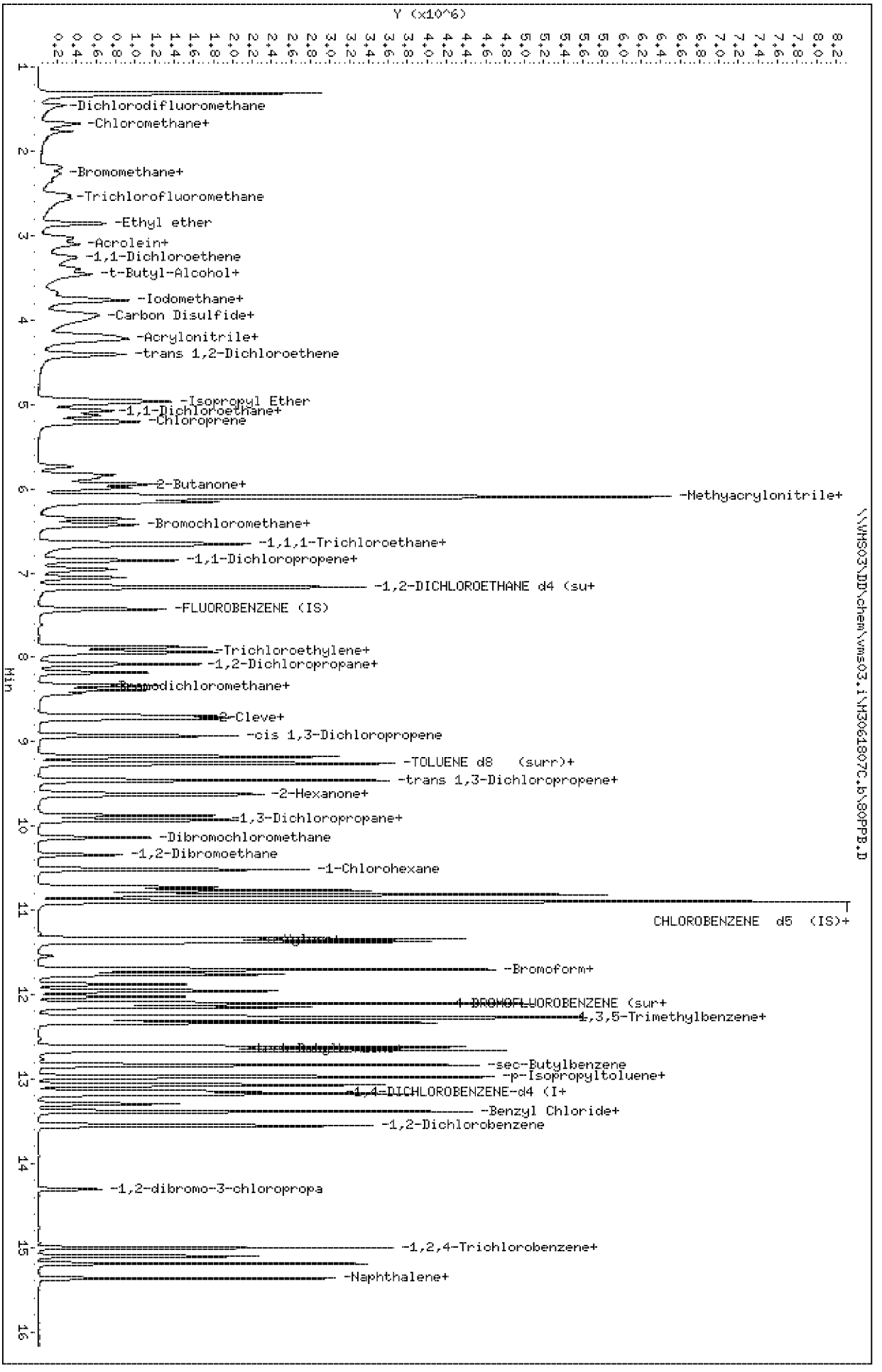
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1365201	682601	2730402	1338040	-1.99
63 CHLOROBENZENE d5	981241	490621	1962482	972229	-0.92
86 1,4-DICHLOROBENZE	539868	269934	1079736	563179	4.32

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	-0.01
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	0.00
86 1,4-DICHLOROBENZE	13.15	12.65	13.65	13.15	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VHS03\DD\chem\vms03.i\M3061807C.b\80PPB.D
Date : 18-JUN-2007 15:03
Client ID: 80PPBCAL
Sample Info: 80PPBCAL
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M3061807C.b\SEC31.D
Lab Smp Id: SEC31 Client Smp ID: SEC31
Inj Date : 18-JUN-2007 15:27
Operator : Inst ID: vms03.i
Smp Info : SEC31
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3061807C.b\8260A.m
Meth Date : 20-Jun-2007 10:25 lpelo Quant Type: ISTD
Cal Date : 18-JUN-2007 12:20 Cal File: 1PPB.D
Als bottle: 12 QC Sample: SSC
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				1045680	100.559	100
M 2 Xylenes (Total)	100				3273194	151.112	151
M 3 Trihalomethanes (Total)	100				1962653	205.673	206
4 Dichlorodifluoromethane	85	1.453	1.454	(0.196)	424404	47.8766	47.9
5 Chloromethane	50	1.662	1.669	(0.224)	602916	50.0804	50.1
6 Vinyl Chloride	62	1.758	1.774	(0.237)	350815	50.0808	50.1
7 Bromomethane	96	2.184	2.217	(0.294)	258976	49.8021	49.8(Q)
8 Chloroethane	64	2.275	2.286	(0.306)	307243	52.2337	52.2(Q)
9 Trichlorofluoromethane	101	2.523	2.531	(0.340)	615483	51.5629	51.6
10 Acrolein	56	3.014	3.022	(0.406)	112841	81.7109	81.7(Q)
11 1,1,2 Trichlorotrifluoromethan	101	3.047	3.048	(0.410)	415146	55.1932	55.2(q)
12 Acetone	43	3.103	3.112	(0.418)	261670	80.2261	80.2
13 1,1-Dichloroethene	61	3.258	3.262	(0.438)	671394	49.4783	49.5
109 t-Butyl-Alcohol	59	3.393	3.420	(0.457)	478747	533.897	534(Q)
14 Acetonitrile	41	3.458	3.467	(0.465)	741288	469.993	470
15 Iodomethane	142	3.682	3.681	(0.496)	583444	59.3539	59.4
16 Methyl Acetate	43	3.749	3.757	(0.504)	377020	45.9762	46.0
17 Allyl Chloride	41	3.767	3.771	(0.507)	606299	47.0204	47.0(Q)
18 Carbon Disulfide	76	3.921	3.928	(0.528)	1260069	50.1624	50.2
19 Methylene Chloride	49	3.948	3.963	(0.531)	664438	46.6049	46.6
20 Acrylonitrile	53	4.175	4.187	(0.562)	319455	83.3362	83.3
21 Methyl-tert-butyl ether	73	4.220	4.232	(0.568)	1172265	50.5097	50.5
22 trans 1,2-Dichloroethene	61	4.406	4.410	(0.593)	621484	50.3022	50.3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	23 1,1-Dichloroethane	63	5.072	5.072	(0.683)	794907	50.5471	50.5
	24 Vinyl Acetate	43	5.129	5.133	(0.690)	843550	52.7268	52.7
	25 Chloroprene	53	5.204	5.205	(0.700)	757116	52.3283	52.3
	26 2-Butanone	43	5.733	5.744	(0.771)	344393	76.5025	76.5
	27 Propionitrile	54	5.831	5.841	(0.785)	727749	492.919	493
	28 2,2-Dichloropropane	77	5.878	5.882	(0.791)	341930	50.0133	50.0
	29 cis-1,2-Dichloroethene	96	5.942	5.947	(0.800)	424196	50.2570	50.2
	30 Methyacrylonitrile	67	6.090	6.098	(0.819)	1776527	488.636	489
	31 Isobutyl Alcohol	43	6.158	6.177	(0.829)	349146	1117.66	1120(Q)
	32 Chloroform	83	6.153	6.156	(0.828)	724910	48.4935	48.5
	33 Bromochloromethane	49	6.356	6.353	(0.855)	415322	49.0820	49.1
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.435	6.435	(0.866)	353361	50.0026	50.0
	35 1,1,1-Trichloroethane	97	6.656	6.658	(0.896)	589699	50.9541	51.0
	36 Cyclohexane	56	6.659	6.654	(0.896)	803224	52.2903	52.3
	37 1,1-Dichloropropene	75	6.854	6.850	(0.922)	547502	50.3301	50.3
	38 Carbon tetrachloride	117	6.959	6.960	(0.936)	450381	54.2897	54.3
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.055	7.058	(0.949)	83881	52.2687	52.3(Q)
	40 1,2-Dichloroethane	62	7.165	7.166	(0.964)	636545	48.6842	48.7
	41 Benzene	78	7.167	7.172	(0.964)	1574000	49.0875	49.1
*	42 FLUOROBENZENE (IS)	96	7.431	7.430	(1.000)	1359965	50.0000	
	43 Trichloroethylene	130	7.879	7.879	(1.060)	395692	49.4439	49.4
	44 Methyl Cyclohexane	55	7.937	7.940	(1.068)	580759	51.2770	51.3
	45 1,2-Dichloropropane	63	8.080	8.082	(1.087)	456600	49.4215	49.4
	46 Methyl Methacrylate	69	8.178	8.175	(1.100)	277795	50.7872	50.8(q)
	47 Bromodichloromethane	83	8.334	8.333	(1.121)	565432	50.4934	50.5
	48 1,4 Dioxane	88	8.377	8.388	(1.127)	88713	1151.93	1150(Q)
	49 Dibromomethane	93	8.385	8.386	(1.128)	263588	48.3206	48.3
	50 4-Methyl-2-Pentanone	43	8.721	8.733	(0.663)	818875	86.1694	86.2
	51 2-Hexanone	43	9.633	9.641	(0.898)	530390	80.0416	80.0
	52 cis 1,3-Dichloropropene	75	8.928	8.926	(1.201)	717620	52.2978	52.3
$	53 TOLUENE d8 (surr)	98	9.174	9.174	(1.234)	1428908	50.7501	50.8
	54 Toluene	92	9.256	9.255	(1.245)	1005565	49.1320	49.1
	55 trans 1,3-Dichloropropene	75	9.457	9.456	(1.272)	643773	54.0915	54.1
	56 Ethyl Methacrylate	69	9.458	9.461	(1.273)	519805	53.5270	53.5
	57 1,1,2-Trichloroethane	97	9.614	9.613	(1.294)	372503	47.2133	47.2
	58 1,3-Dichloropropane	76	9.874	9.873	(0.920)	652170	49.1206	49.1
	59 Tetrachloroethylene	164	9.928	9.925	(0.925)	310940	49.7042	49.7
	60 Dibromochloromethane	129	10.136	10.135	(0.945)	405168	53.5710	53.6
	61 1,2-Dibromoethane	107	10.340	10.338	(0.964)	386601	49.9426	49.9
	62 1-Chlorohexane	91	10.512	10.512	(0.980)	523203	51.9337	51.9
*	63 CHLOROBENZENE d5 (IS)	117	10.727	10.726	(1.000)	984567	50.0000	
	64 Chlorobenzene	112	10.766	10.765	(1.004)	1124567	49.0955	49.1
	65 1,1,1,2-Tetrachloroethane	131	10.811	10.811	(1.008)	352077	51.0375	51.0(Q)
	66 Ethylbenzene	106	10.821	10.819	(1.009)	599337	50.8627	50.9
	67 p,m-Xylene	106	10.899	10.896	(1.016)	1529144	100.938	101
	68 o-Xylene	91	11.339	11.336	(1.057)	1744050	50.1740	50.2
	69 Styrene	104	11.375	11.374	(1.060)	1221696	52.0630	52.1
	70 Bromoform	173	11.716	11.718	(1.092)	267143	53.1148	53.1
	71 1-Methylethylbenzene	105	11.701	11.699	(0.890)	1921653	50.9435	50.9
	72 1,4-Dichloro-2-Butene	53	11.368	11.342	(0.865)	13962	84.4192	84.4(QM)
	73 1,1,2,2-Tetrachloroethane	83	11.877	11.878	(0.903)	499402	48.9221	48.9
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.954	11.954	(0.909)	578617	50.7581	50.8
	75 1,2,3- trichloropropane	110	12.025	12.021	(0.915)	158115	49.3117	49.3
	76 n-Propylbenzene	91	12.105	12.105	(0.921)	2460668	51.2564	51.2

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
77 Bromobenzene	77	12.148	12.145	(0.924)	856319	48.9925	49.0
78 1,3,5-Trimethylbenzene	105	12.264	12.262	(0.933)	1743142	51.6923	51.7
79 2-Chlorotoluene	91	12.283	12.283	(0.934)	1687093	49.2032	49.2
80 4-Chlorotoluene	91	12.331	12.331	(0.938)	1596614	49.8089	49.8
81 tert-Butylbenzene	119	12.623	12.622	(0.960)	1595289	51.2913	51.3
82 1,2,4-trimethylbenzene	105	12.660	12.658	(0.963)	1725134	50.2233	50.2
83 sec-Butylbenzene	105	12.836	12.835	(0.976)	2046438	51.7780	51.8
84 p-Isopropyltoluene	119	12.973	12.971	(0.987)	1745080	52.5732	52.6
85 1,3-Dichlorobenzene	146	13.071	13.070	(0.994)	899506	49.6688	49.7
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.146	13.146	(1.000)	536947	50.0000	
87 1,4-Dichlorobenzene	146	13.178	13.177	(1.002)	893493	49.1120	49.1
88 Benzyl Chloride	91	13.296	13.295	(1.011)	558186	48.8407	48.8
89 n-Butylbenzene	91	13.385	13.384	(1.018)	1553139	53.2796	53.3
90 1,2-Dichlorobenzene	146	13.551	13.552	(1.031)	865247	49.6954	49.7
91 1,2-dibromo-3-chloropropane	75	14.304	14.308	(1.088)	85115	50.6430	50.6(q)
92 1,2,4-Trichlorobenzene	180	14.999	15.003	(1.141)	493802	52.0727	52.1
93 Hexachlorobutadiene	223	15.099	15.104	(1.149)	129114	52.6631	52.7
94 Naphthalene	128	15.188	15.194	(1.155)	1200645	51.9794	52.0
95 1,2,3-trichlorobenzene	180	15.362	15.367	(1.169)	419983	51.0273	51.0
103 Isopropyl Ether	45	4.962	4.967	(0.668)	1588855	52.1749	52.2
104 Ethyl acetate	43	5.988	5.995	(0.806)	869488	101.931	102
105 Cyclohexanone	55	11.761	11.767	(1.096)	595698	542.572	542
106 Ethyl ether	59	2.853	2.858	(0.384)	384582	51.5117	51.5(Q)
107 2-Nitropropane	43	8.429	8.429	(1.134)	184958	101.561	102
108 Tetrahydrofuran	42	6.420	6.436	(0.864)	234756	93.1031	93.1
112 2-Cleve	63	8.693	8.692	(1.170)	478569	112.421	112(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: SEC31.D
Lab Smp Id: SEC31
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3061807C.b\8260A.m
Misc Info:

Calibration Date: 18-JUN-2007
Calibration Time: 14:17
Client Smp ID: SEC31
Level: LOW
Sample Type: WATER

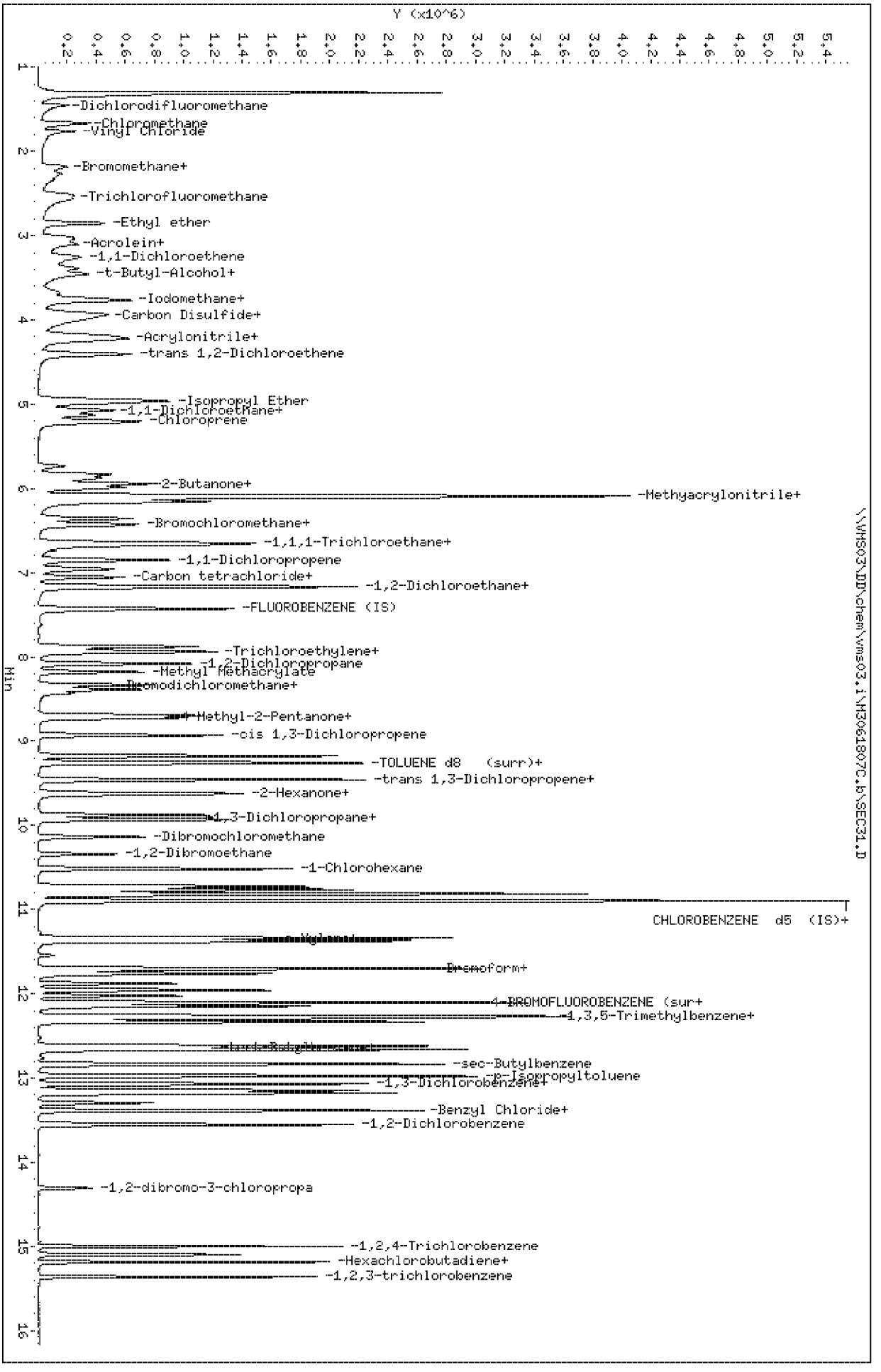
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1365201	682601	2730402	1359965	-0.38
63 CHLOROBENZENE d5	981241	490621	1962482	984567	0.34
86 1,4-DICHLOROBENZE	539868	269934	1079736	536947	-0.54

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	-0.01
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	-0.01
86 1,4-DICHLOROBENZE	13.15	12.65	13.65	13.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VHS03\DD\chem\vms03.i\M3061807C.b\SEC31.D
Date : 18-JUN-2007 15:27
Client ID: SEC31
Sample Info: SEC31
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



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Data file : \\VMS03\DD\chem\vms03.i\M306180P.b\BFB32.D
Lab Smp Id: 061807BFBA32 Client Smp ID: 061807BFBA32
Inj Date : 18-JUN-2007 16:13
Operator : Inst ID: vms03.i
Smp Info : 061807BFBA32
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M306180P.b\BFBE.m
Meth Date : 20-Jun-2007 10:28 lpelo Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 14 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: VOLS11

Concentration Formula: Amt * DF * CpndVariable
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 #: 74-83-9		
7.236	7.500	-0.264	95	95832			0.00- 100.00	100.00
7.236	7.500	-0.264	50	19248			15.00- 40.00	20.09
7.236	7.500	-0.264	75	47040			30.00- 60.00	49.09
7.236	7.500	-0.264	96	6593			5.00- 9.00	6.88
7.236	7.500	-0.264	173	201			0.00- 2.00	0.29
7.236	7.500	-0.264	174	69448			50.00- 100.00	72.47
7.236	7.500	-0.264	175	4915			5.00- 9.00	7.08
7.236	7.500	-0.264	176	67952			95.00- 101.00	97.85
7.236	7.500	-0.264	177	4326			5.00- 9.00	6.37

Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\BFB32.D

Date : 18-JUN-2007 16:13

Client ID: 061807BFBA32

Instrument: vms03.i

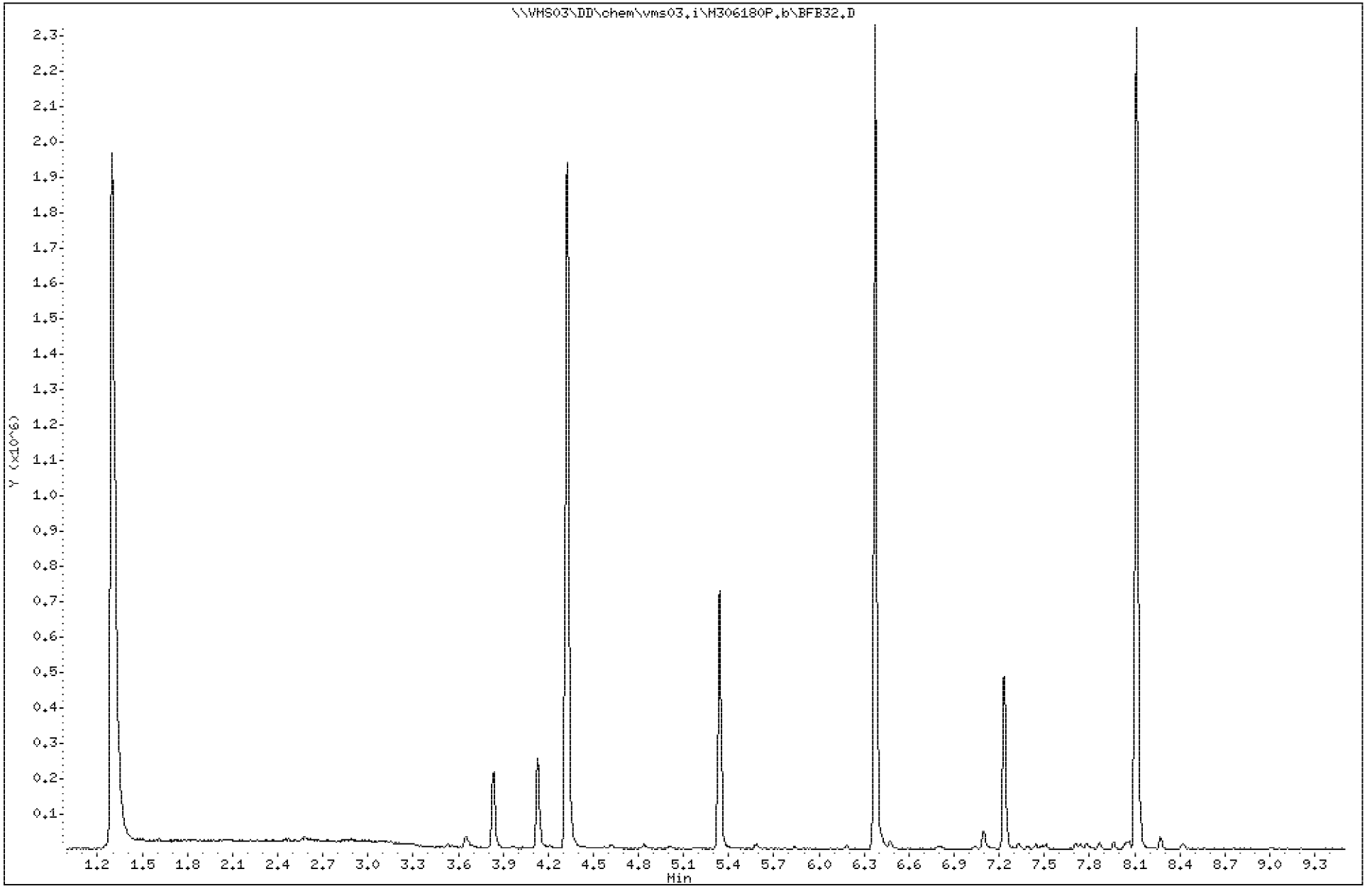
Sample Info: 061807BFBA32

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\BFB32.D

Date : 18-JUN-2007 16:13

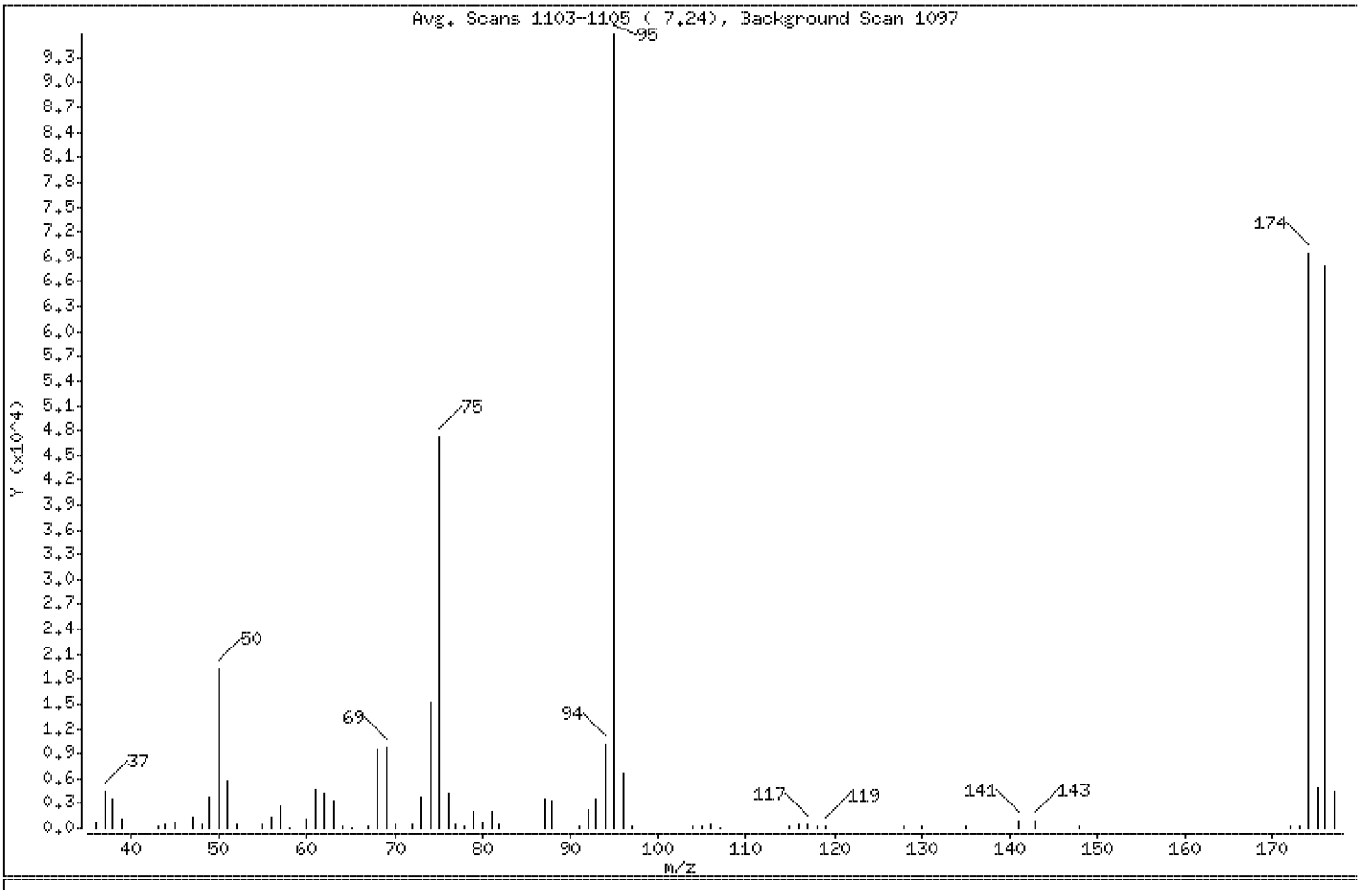
Client ID: 061807BFBA32 Instrument: vms03.i

Sample Info: 061807BFBA32

Purge Volume: 5.0 Operator:

Column phase: DB-624 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	20.09
75	30.00 - 60.00% of mass 95	49.09
96	5.00 - 9.00% of mass 95	6.88
173	Less than 2.00% of mass 174	0.21 (0.29)
174	50.00 - 100.00% of mass 95	72.47
175	5.00 - 9.00% of mass 174	5.13 (7.08)
176	95.00 - 101.00% of mass 174	70.91 (97.85)
177	5.00 - 9.00% of mass 176	4.51 (6.37)

Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\BFB32.D

Date : 18-JUN-2007 16:13

Client ID: 061807BFBA32 Instrument: vms03.i

Sample Info: 061807BFBA32

Purge Volume: 5.0 Operator:

Column phase: DB-624 Column diameter: 0.18

Data File: BFB32.D
Spectrum: Avg. Scans 1103-1105 (7.24), Background Scan 1097
Location of Maximum: 95.00
Number of points: 68

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	562	61.00	4524	81.00	1876	118.00	306
37.00	4311	62.00	4285	82.00	393	119.00	259
38.00	3496	63.00	3302	87.00	3570	128.00	201
39.00	1209	64.00	165	88.00	3384	130.00	243
43.00	168	65.00	103	91.00	279	135.00	116
44.00	468	67.00	320	92.00	2228	141.00	901
45.00	747	68.00	9460	93.00	3520	143.00	869
47.00	1280	69.00	9763	94.00	10143	148.00	329
48.00	541	70.00	446	95.00	95832	172.00	111
49.00	3679	72.00	468	96.00	6593	173.00	201
50.00	19248	73.00	3807	97.00	128	174.00	69448
51.00	5636	74.00	15179	104.00	287	175.00	4915
52.00	350	75.00	47040	105.00	114	176.00	67952
55.00	366	76.00	4130	106.00	414	177.00	4326
56.00	1290	77.00	549	107.00	89		
57.00	2723	78.00	199	115.00	217		
58.00	90	79.00	2017	116.00	454		
60.00	1204	80.00	553	117.00	479		

PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D
Lab Smp Id: 061807CCVA32 Client Smp ID: 061807CCVA32
Inj Date : 18-JUN-2007 16:59
Operator : Inst ID: vms03.i
Smp Info : 061807CCVA32
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M306180P.b\8260A.m
Meth Date : 20-Jun-2007 10:28 lpelo Quant Type: ISTD
Cal Date : 18-JUN-2007 12:20 Cal File: 1PPB.D
Als bottle: 16 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				1018291	100.000	(a)
M 2 Xylenes (Total)	100				3211523	150.000	(a)
M 3 Trihalomethanes (Total)	100				1917387	50.0000	(a)
4 Dichlorodifluoromethane	85	1.454	1.454	(0.196)	404060	50.0000	45.9
5 Chloromethane	50	1.668	1.669	(0.224)	589376	50.0000	49.3
6 Vinyl Chloride	62	1.761	1.774	(0.237)	348795	50.0000	50.1(T)
7 Bromomethane	96	2.186	2.217	(0.294)	257921	50.0000	49.9(TQ)
8 Chloroethane	64	2.278	2.286	(0.307)	302479	50.0000	51.8(Q)
9 Trichlorofluoromethane	101	2.524	2.531	(0.340)	608971	50.0000	51.4
10 Acrolein	56	3.012	3.022	(0.405)	125523	100.000	91.5(Q)
11 1,1,2 Trichlorotrifluoromethan	101	3.048	3.048	(0.410)	393942	50.0000	52.7(q)
12 Acetone	43	3.100	3.112	(0.417)	312047	100.000	97.0
13 1,1-Dichloroethene	61	3.261	3.262	(0.439)	655267	50.0000	48.6
109 t-Butyl-Alcohol	59	3.394	3.420	(0.457)	468466	500.000	526(Q)
14 Acetonitrile	41	3.459	3.467	(0.465)	743635	500.000	475
15 Iodomethane	142	3.684	3.681	(0.496)	529139	50.0000	54.2
16 Methyl Acetate	43	3.747	3.757	(0.504)	387395	50.0000	47.6(T)
17 Allyl Chloride	41	3.766	3.771	(0.507)	626591	50.0000	48.9(Q)
18 Carbon Disulfide	76	3.921	3.928	(0.528)	1224278	50.0000	49.1
19 Methylene Chloride	49	3.951	3.963	(0.532)	661450	50.0000	46.7
20 Acrylonitrile	53	4.175	4.187	(0.562)	402732	100.000	106
21 Methyl-tert-butyl ether	73	4.220	4.232	(0.568)	1220855	50.0000	53.0
22 trans 1,2-Dichloroethene	61	4.406	4.410	(0.593)	604798	50.0000	49.3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	5.071	5.072	(0.682)	735684	50.0000	47.1
	24 Vinyl Acetate	43	5.127	5.133	(0.690)	794027	50.0000	50.0
	25 Chloroprene	53	5.203	5.205	(0.700)	721352	50.0000	50.2
	26 2-Butanone	43	5.731	5.744	(0.771)	429604	100.000	96.1
	27 Propionitrile	54	5.830	5.841	(0.785)	725430	500.000	495
	28 2,2-Dichloropropane	77	5.879	5.882	(0.791)	292702	50.0000	43.1
	29 cis-1,2-Dichloroethene	96	5.942	5.947	(0.800)	413493	50.0000	49.3
	30 Methyacrylonitrile	67	6.090	6.098	(0.820)	1799380	500.000	498
	31 Isobutyl Alcohol	43	6.158	6.177	(0.829)	320762	1000.00	1040(TQ)
	32 Chloroform	83	6.152	6.156	(0.828)	708755	50.0000	47.7
	33 Bromochloromethane	49	6.356	6.353	(0.855)	409586	50.0000	48.7
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.434	6.435	(0.866)	352341	50.0000	50.2
	35 1,1,1-Trichloroethane	97	6.654	6.658	(0.895)	563991	50.0000	49.1
	36 Cyclohexane	56	6.657	6.654	(0.896)	773119	50.0000	50.7
	37 1,1-Dichloropropene	75	6.852	6.850	(0.922)	522161	50.0000	48.3
	38 Carbon tetrachloride	117	6.958	6.960	(0.936)	428935	50.0000	52.1
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.054	7.058	(0.949)	82270	50.0000	51.6(Q)
	40 1,2-Dichloroethane	62	7.165	7.166	(0.964)	630320	50.0000	48.5
	41 Benzene	78	7.167	7.172	(0.964)	1556516	50.0000	48.9
*	42 FLUOROBENZENE (IS)	96	7.431	7.431	(1.000)	1350659	50.0000	
	43 Trichloroethylene	130	7.879	7.879	(1.060)	388325	50.0000	48.8
	44 Methyl Cyclohexane	55	7.936	7.940	(1.068)	555996	50.0000	49.4
	45 1,2-Dichloropropane	63	8.080	8.082	(1.087)	449154	50.0000	49.0
	46 Methyl Methacrylate	69	8.178	8.175	(1.100)	280106	50.0000	51.6(q)
	47 Bromodichloromethane	83	8.334	8.333	(1.121)	551471	50.0000	49.6
	48 1,4 Dioxane	88	8.378	8.388	(1.127)	86223	1000.00	1130(Q)
	49 Dibromomethane	93	8.384	8.386	(1.128)	263202	50.0000	48.6
	50 4-Methyl-2-Pentanone	43	8.722	8.733	(0.663)	961344	100.000	99.9(M)
	51 2-Hexanone	43	9.632	9.641	(0.898)	655513	100.000	98.7
	52 cis 1,3-Dichloropropene	75	8.928	8.926	(1.201)	708685	50.0000	52.0
$	53 TOLUENE d8 (surr)	98	9.173	9.174	(1.234)	1405659	50.0000	50.3
	54 Toluene	92	9.256	9.255	(1.246)	1002903	50.0000	49.3
	55 trans 1,3-Dichloropropene	75	9.456	9.456	(1.273)	617276	50.0000	52.2
	56 Ethyl Methacrylate	69	9.458	9.461	(1.273)	509659	50.0000	52.8
	57 1,1,2-Trichloroethane	97	9.614	9.613	(1.294)	377789	50.0000	48.2
	58 1,3-Dichloropropane	76	9.874	9.873	(0.920)	644363	50.0000	48.4
	59 Tetrachloroethylene	164	9.928	9.925	(0.925)	303719	50.0000	48.4
	60 Dibromochloromethane	129	10.136	10.135	(0.945)	392447	50.0000	51.8
	61 1,2-Dibromoethane	107	10.340	10.338	(0.964)	381998	50.0000	49.2
	62 1-Chlorohexane	91	10.512	10.512	(0.980)	512075	50.0000	50.7
*	63 CHLOROBENZENE d5 (IS)	117	10.727	10.726	(1.000)	986605	50.0000	
	64 Chlorobenzene	112	10.766	10.765	(1.004)	1106641	50.0000	48.2
	65 1,1,1,2-Tetrachloroethane	131	10.811	10.811	(1.008)	347699	50.0000	50.3(Q)
	66 Ethylbenzene	106	10.821	10.819	(1.009)	581985	50.0000	49.3
	67 p,m-Xylene	106	10.898	10.896	(1.016)	1488286	100.000	98.0
	68 o-Xylene	91	11.336	11.336	(1.057)	1723237	50.0000	49.5
	69 Styrene	104	11.375	11.374	(1.060)	1242260	50.0000	52.8
	70 Bromoform	173	11.716	11.718	(1.092)	264714	50.0000	52.5
	71 1-Methylethylbenzene	105	11.701	11.699	(0.890)	1904782	50.0000	49.8
	72 1,4-Dichloro-2-Butene	53	11.370	11.342	(0.865)	16134	100.000	96.3(QH)
	73 1,1,2,2-Tetrachloroethane	83	11.877	11.878	(0.903)	503074	50.0000	48.6
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.954	11.954	(0.909)	575258	50.0000	49.8
	75 1,2,3- trichloropropane	110	12.024	12.021	(0.915)	160217	50.0000	49.3
	76 n-Propylbenzene	91	12.105	12.105	(0.921)	2440226	50.0000	50.2

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	12.148	12.145	(0.924)	859215	50.0000	48.5
78 1,3,5-Trimethylbenzene	105	12.263	12.262	(0.933)	1704194	50.0000	49.9
79 2-Chlorotoluene	91	12.284	12.283	(0.934)	1644243	50.0000	47.3
80 4-Chlorotoluene	91	12.331	12.331	(0.938)	1569419	50.0000	48.3
81 tert-Butylbenzene	119	12.623	12.622	(0.960)	1582947	50.0000	50.2
82 1,2,4-trimethylbenzene	105	12.660	12.658	(0.963)	1735197	50.0000	49.9
83 sec-Butylbenzene	105	12.836	12.835	(0.976)	2045756	50.0000	51.1
84 p-Isopropyltoluene	119	12.973	12.971	(0.987)	1731259	50.0000	51.5
85 1,3-Dichlorobenzene	146	13.071	13.070	(0.994)	914682	50.0000	49.9
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.146	13.146	(1.000)	543830	50.0000	(q)
87 1,4-Dichlorobenzene	146	13.178	13.177	(1.002)	895246	50.0000	48.6
88 Benzyl Chloride	91	13.296	13.295	(1.011)	512347	50.0000	44.7
89 n-Butylbenzene	91	13.385	13.384	(1.018)	1558680	50.0000	52.8
90 1,2-Dichlorobenzene	146	13.551	13.552	(1.031)	870472	50.0000	49.4
91 1,2-dibromo-3-chloropropane	75	14.304	14.308	(1.088)	90131	50.0000	52.9(q)
92 1,2,4-Trichlorobenzene	180	14.994	15.003	(1.141)	511963	50.0000	53.2
93 Hexachlorobutadiene	223	15.094	15.104	(1.148)	130487	50.0000	52.5
94 Naphthalene	128	15.182	15.194	(1.155)	1259705	50.0000	53.7
95 1,2,3-trichlorobenzene	180	15.353	15.367	(1.168)	444688	50.0000	53.2
103 Isopropyl Ether	45	4.961	4.967	(0.668)	1511764	50.0000	50.0
104 Ethyl acetate	43	5.988	5.995	(0.806)	859548	100.000	101
105 Cyclohexanone	55	11.762	11.767	(1.096)	590038	500.000	536
106 Ethyl ether	59	2.852	2.858	(0.384)	363575	50.0000	49.0(Q)
107 2-Nitropropane	43	8.429	8.429	(1.134)	176980	100.000	97.8
108 Tetrahydrofuran	42	6.419	6.436	(0.864)	257060	100.000	103
112 2-Cleve	63	8.692	8.692	(1.170)	481403	100.000	114(T)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 50CCV32.D
Lab Smp Id: 061807CCVA32
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M306180P.b\8260A.m
Misc Info:

Calibration Date: 18-JUN-2007
Calibration Time: 14:17
Client Smp ID: 061807CCVA32
Level: LOW
Sample Type: WATER

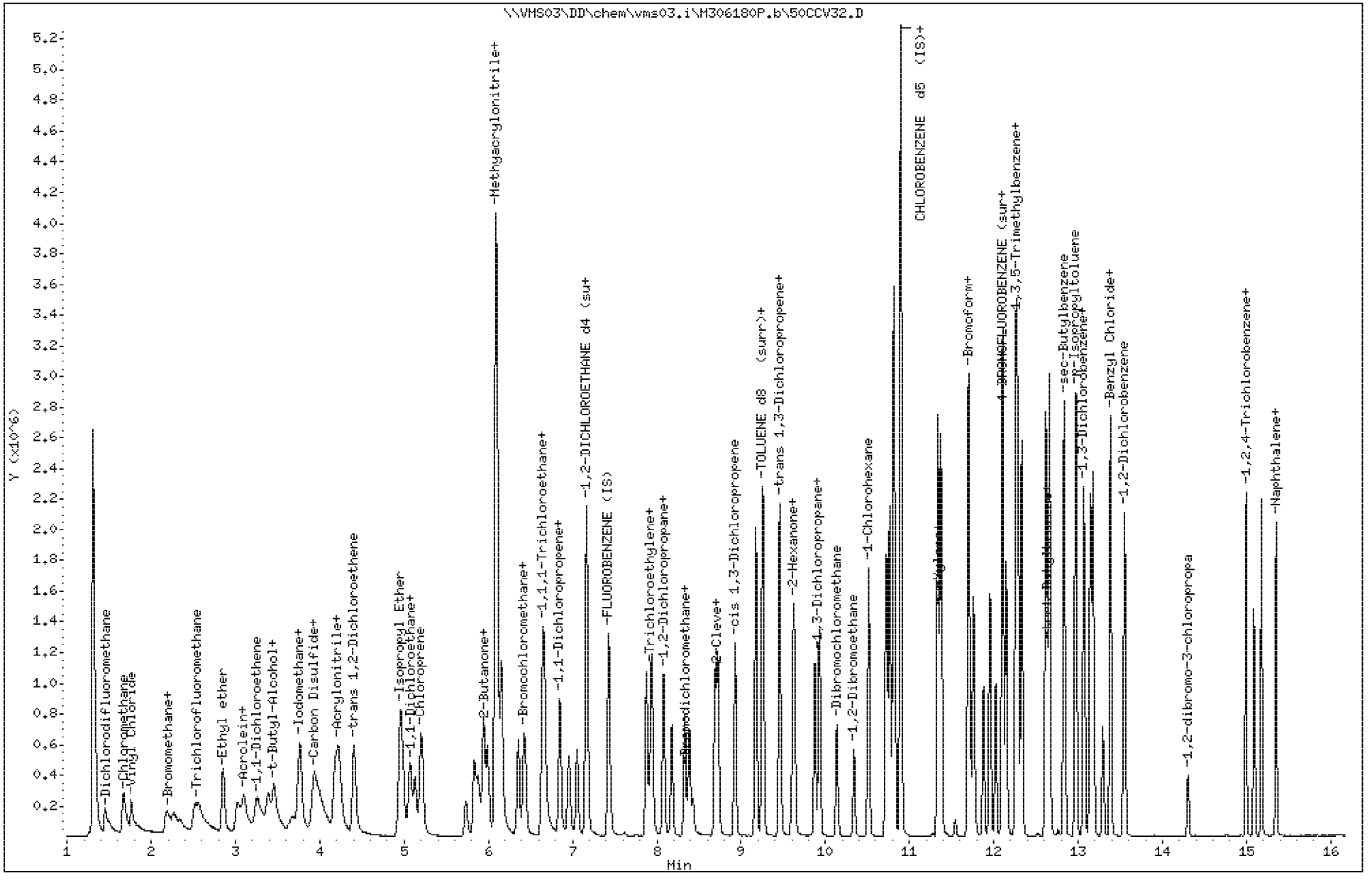
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1365201	682601	2730402	1350659	-1.07
63 CHLOROBENZENE d5	981241	490621	1962482	986605	0.55
86 1,4-DICHLOROBENZE	539868	269934	1079736	543830	0.73

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	-0.02
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	-0.01
86 1,4-DICHLOROBENZE	13.15	12.65	13.65	13.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D
Date : 18-JUN-2007 16:59
Client ID: 061807CCVA32
Sample Info: 061807CCVA32
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



AO-510

2506964

Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

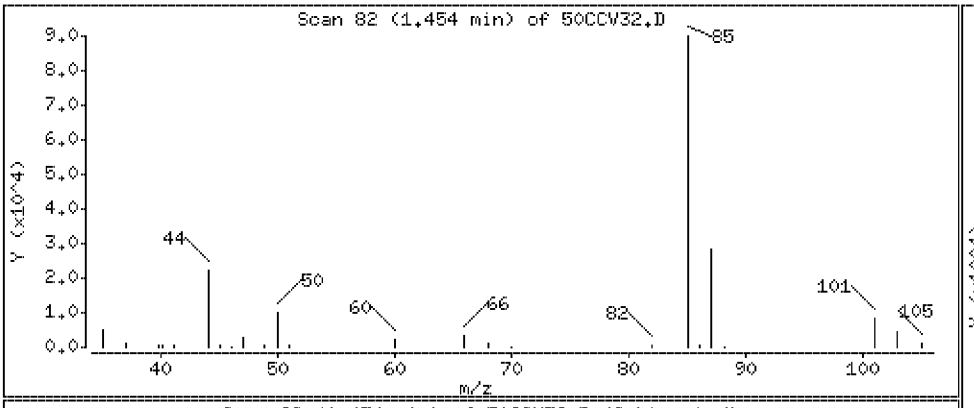
Client ID: 061807CCVA32 Instrument: vms03.i

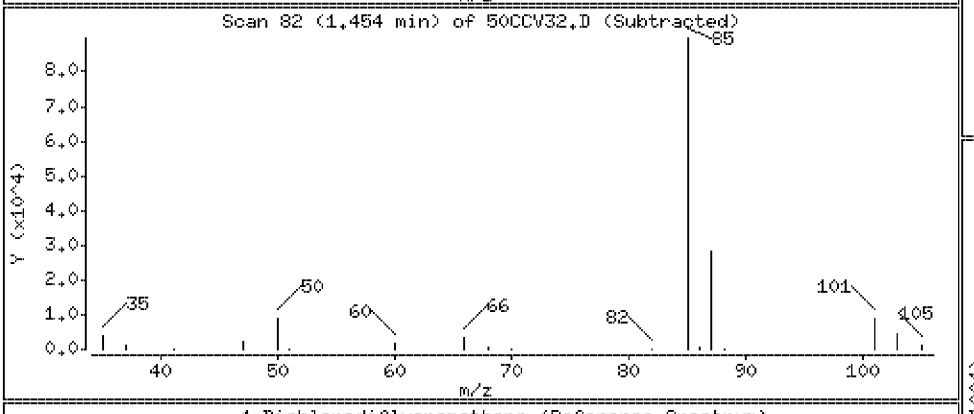
Sample Info: 061807CCVA32

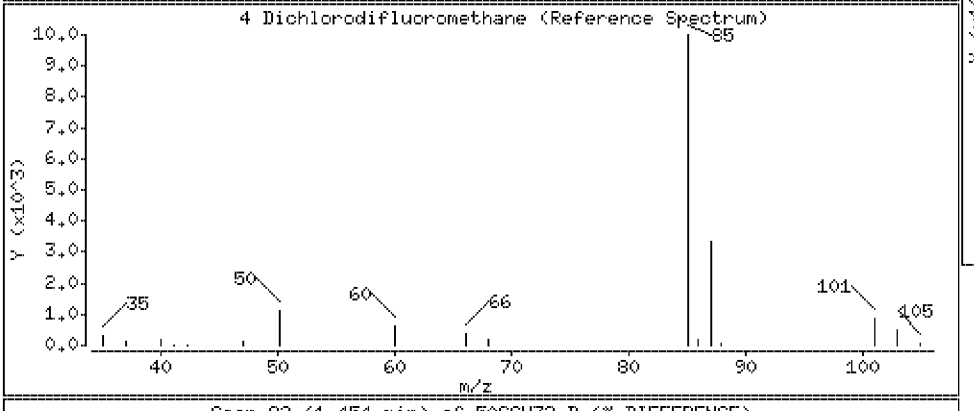
Purge Volume: 5.0 Operator:

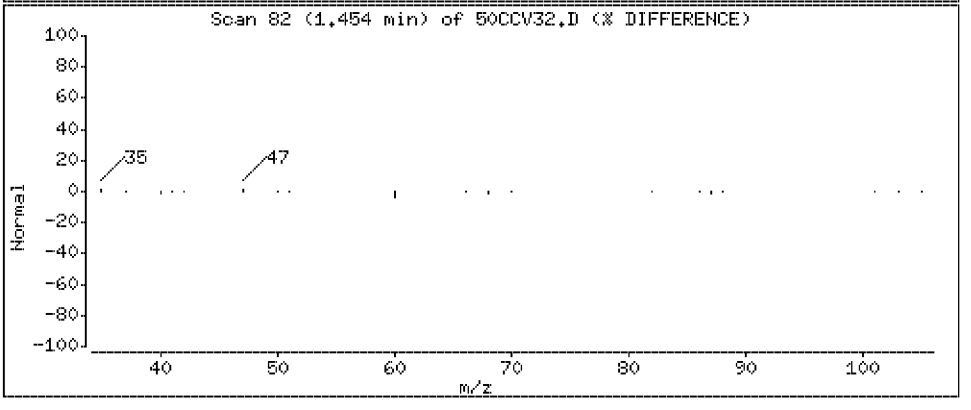
Column phase: DB-624 Column diameter: 0.18

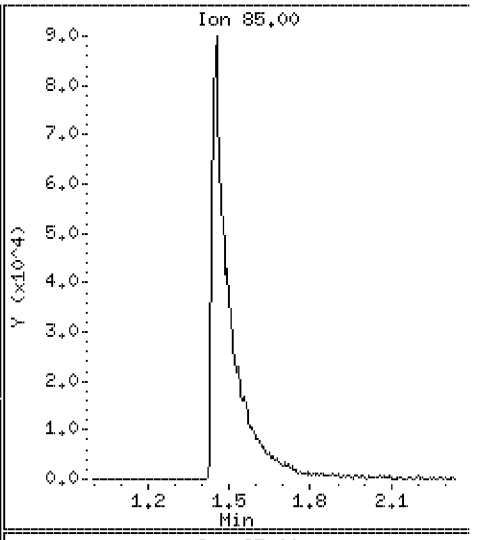
4 Dichlorodifluoromethane Concentration: 45.9 ug/l

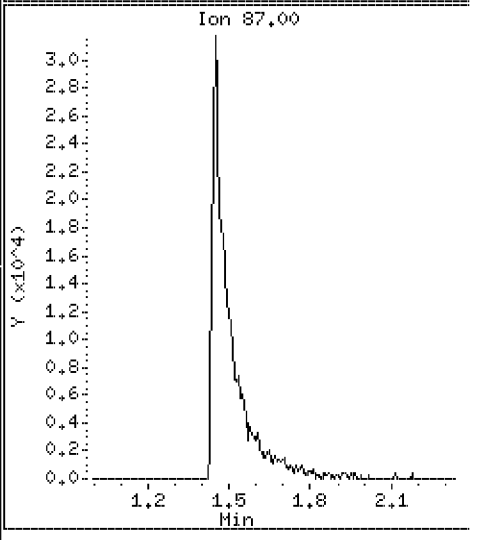












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

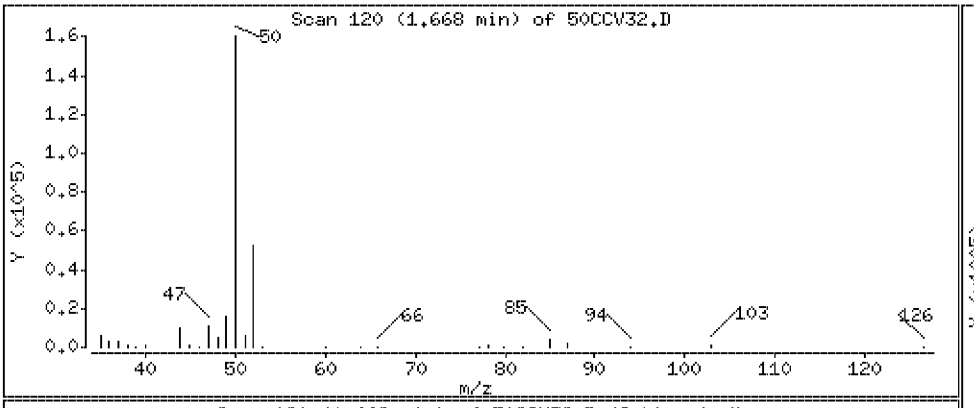
Client ID: 061807CCVA32 Instrument: vms03.i

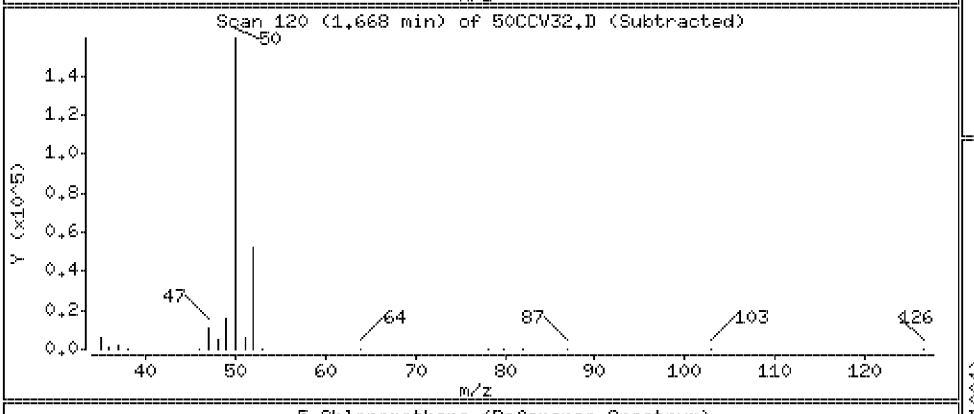
Sample Info: 061807CCVA32

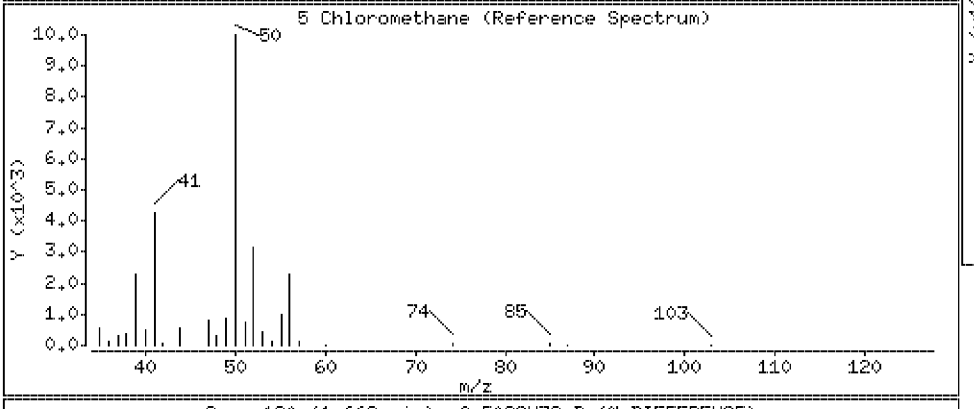
Purge Volume: 5.0 Operator:

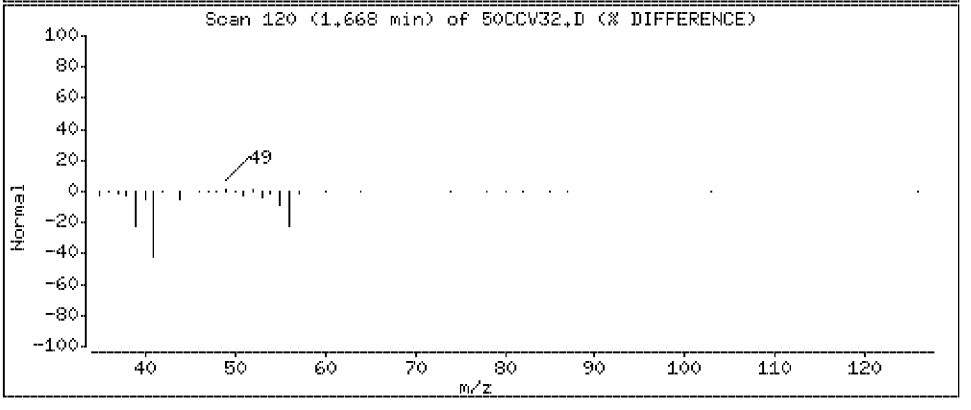
Column phase: DB-624 Column diameter: 0.18

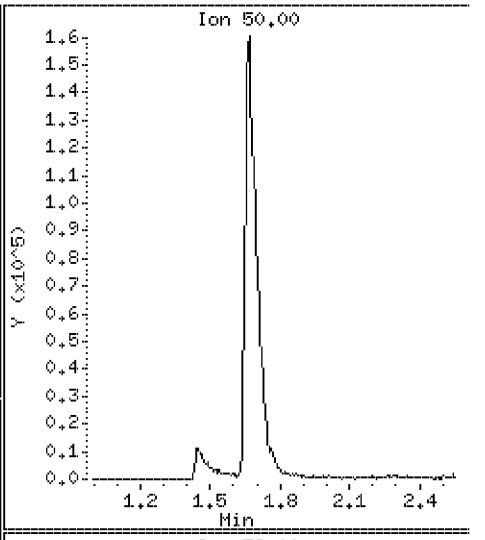
5 Chloromethane Concentration: 49.3 ug/l

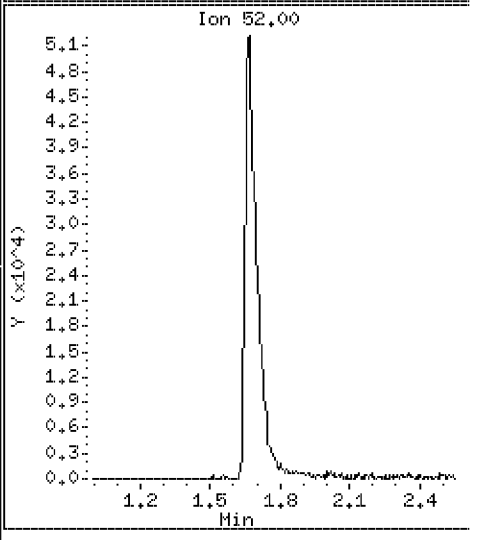












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

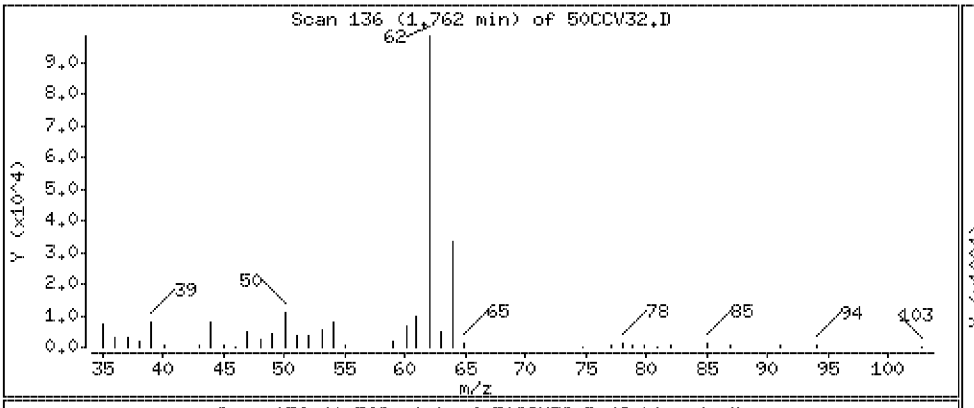
Client ID: 061807CCVA32 Instrument: vms03.i

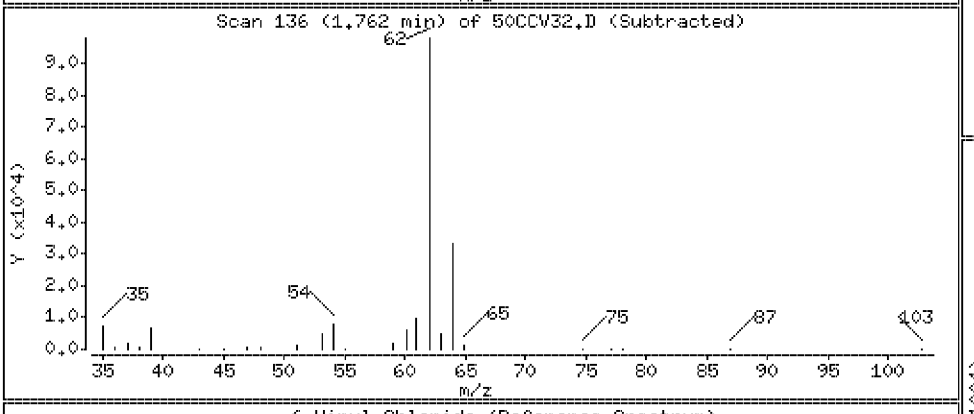
Sample Info: 061807CCVA32

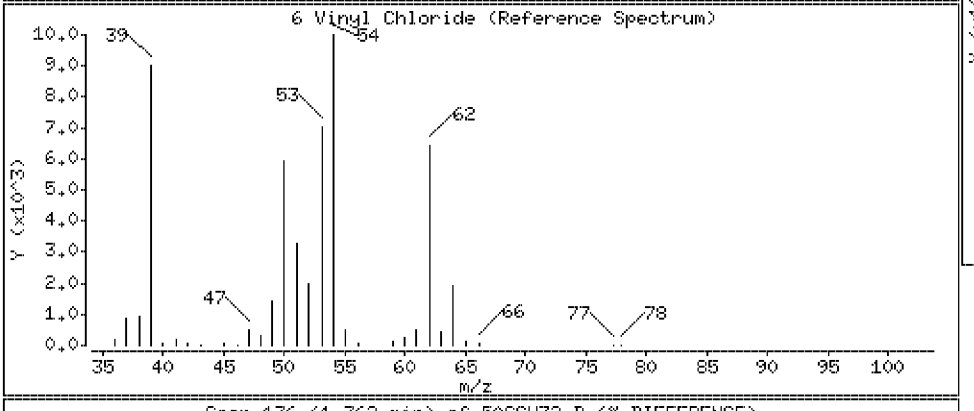
Purge Volume: 5.0 Operator:

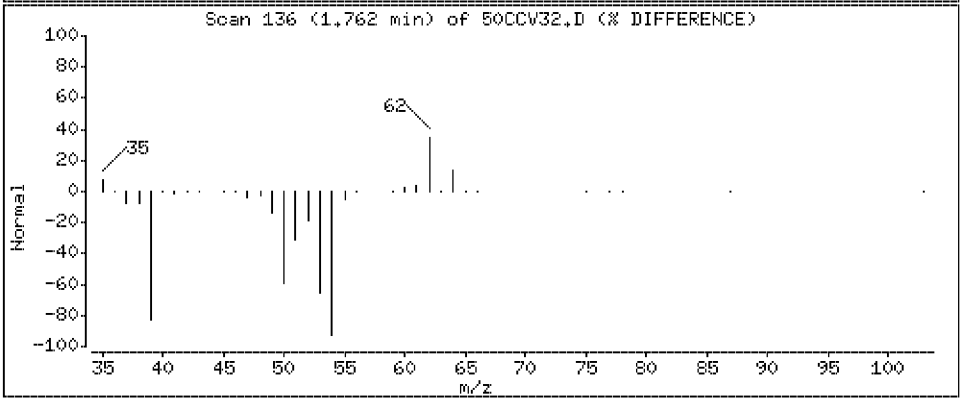
Column phase: DB-624 Column diameter: 0.18

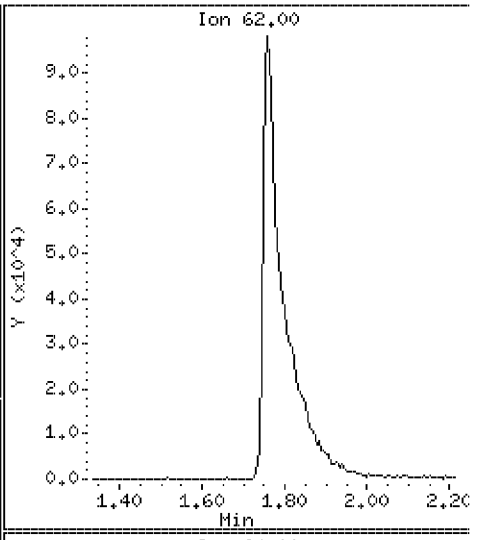
6 Vinyl Chloride Concentration: 50.1 ug/l

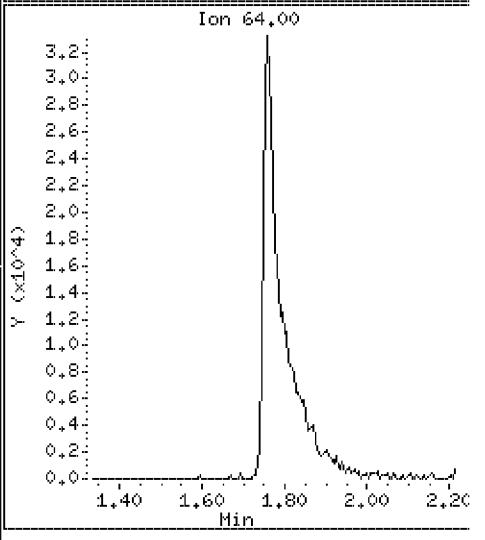












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

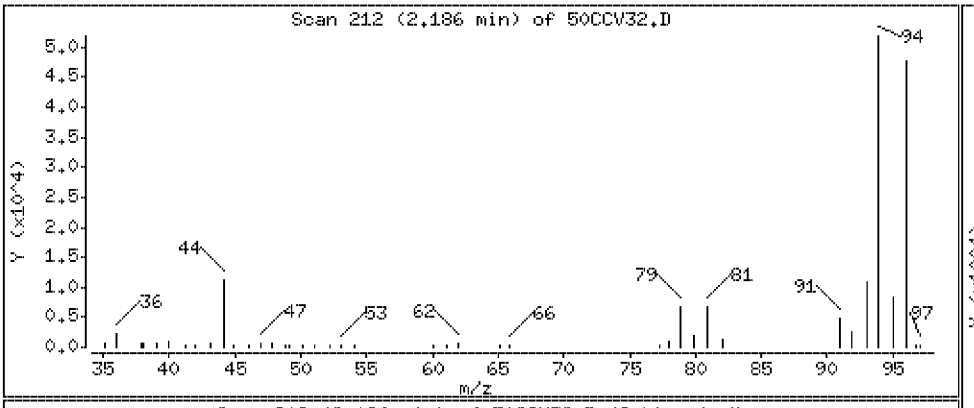
Client ID: 061807CCVA32 Instrument: vms03.i

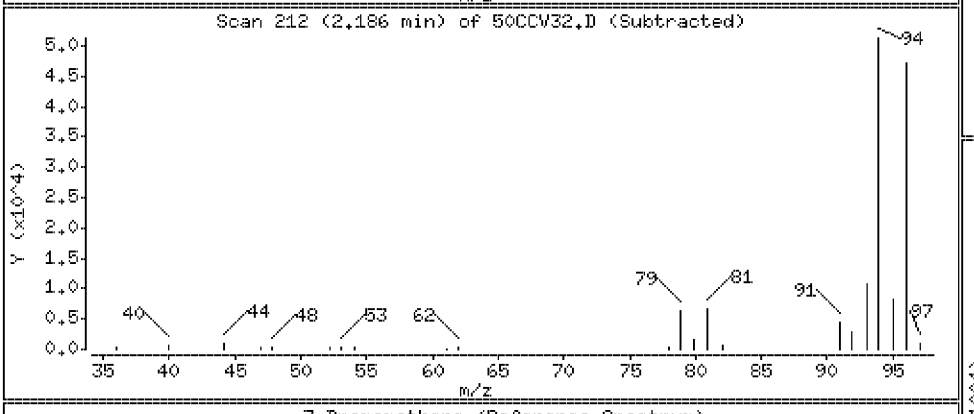
Sample Info: 061807CCVA32

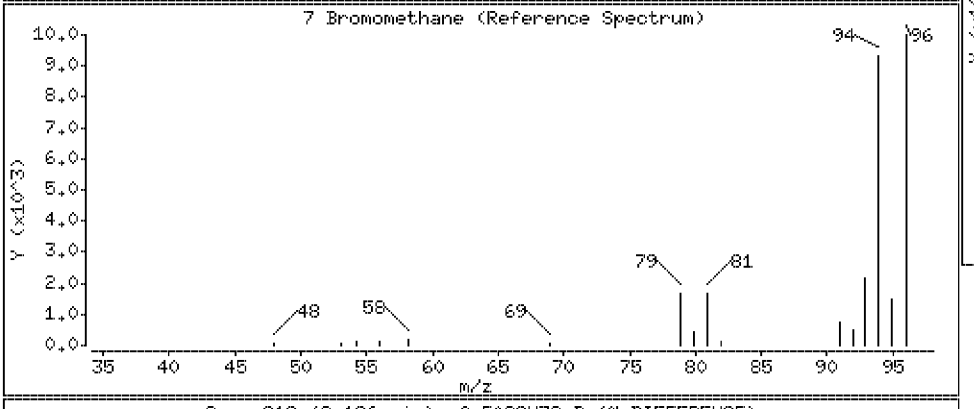
Purge Volume: 5.0 Operator:

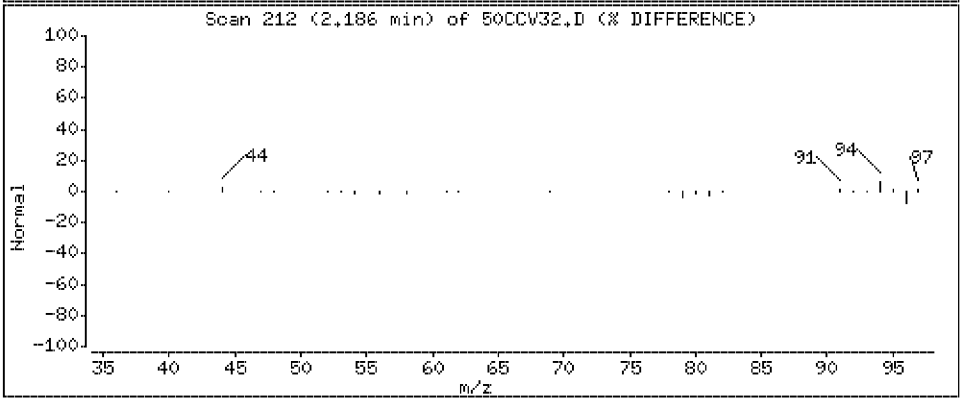
Column phase: DB-624 Column diameter: 0.18

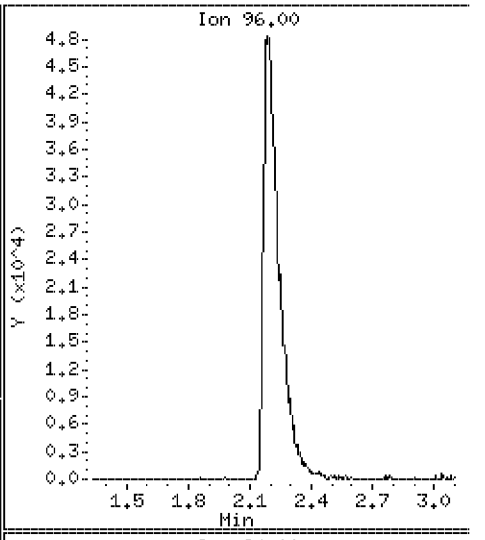
7 Bromomethane Concentration: 49.9 ug/l

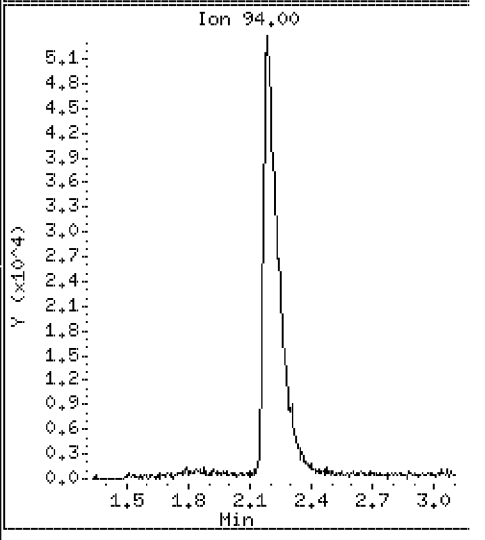












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

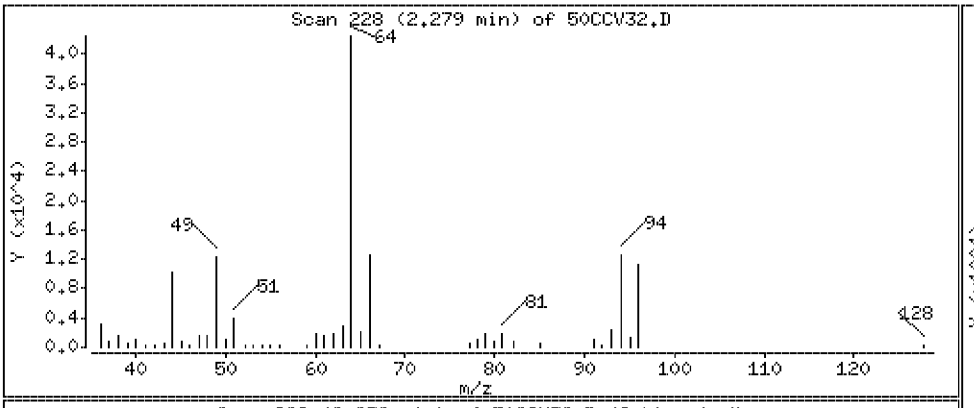
Client ID: 061807CCVA32 Instrument: vms03.i

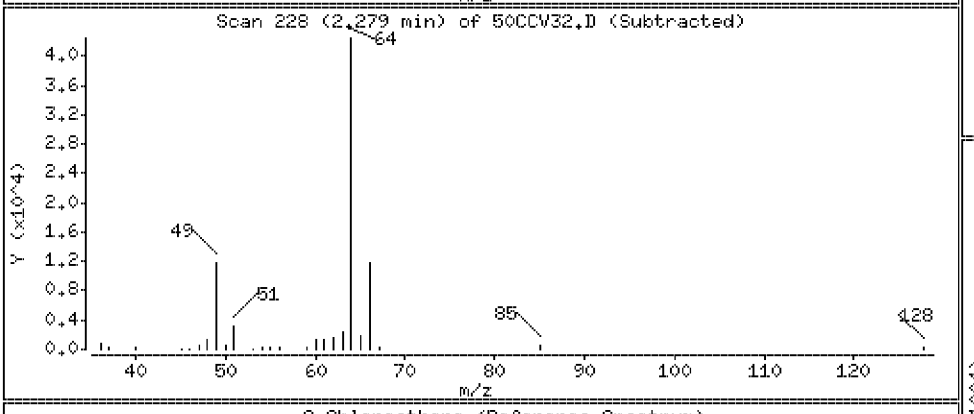
Sample Info: 061807CCVA32

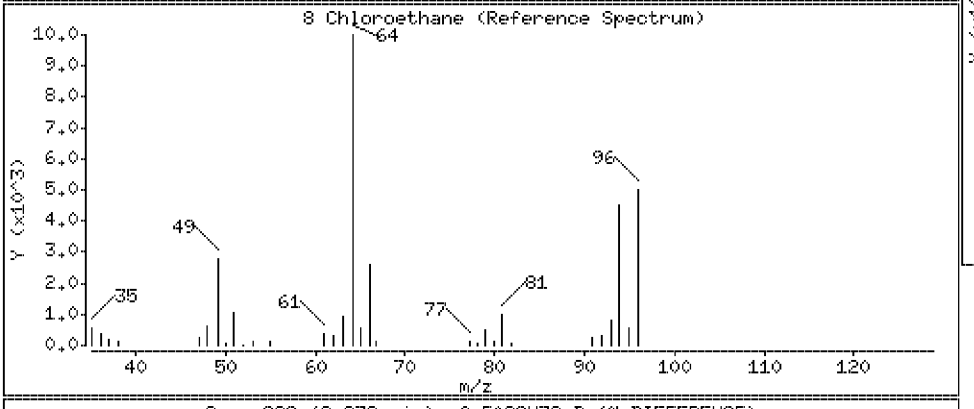
Purge Volume: 5.0 Operator:

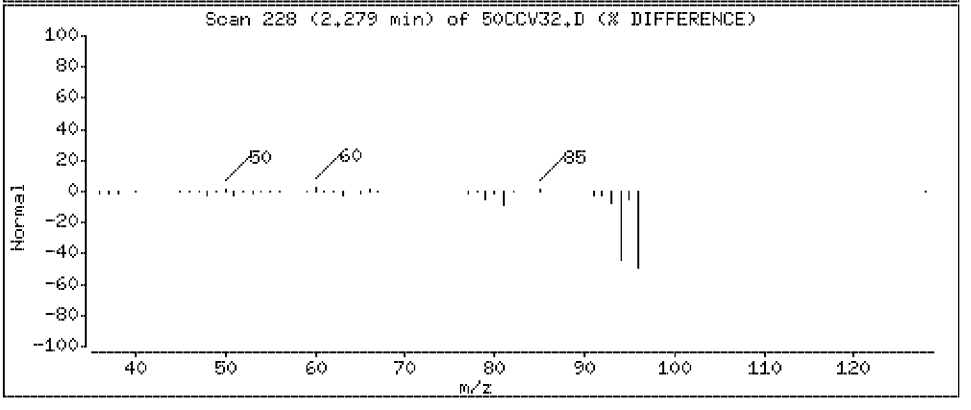
Column phase: DB-624 Column diameter: 0.18

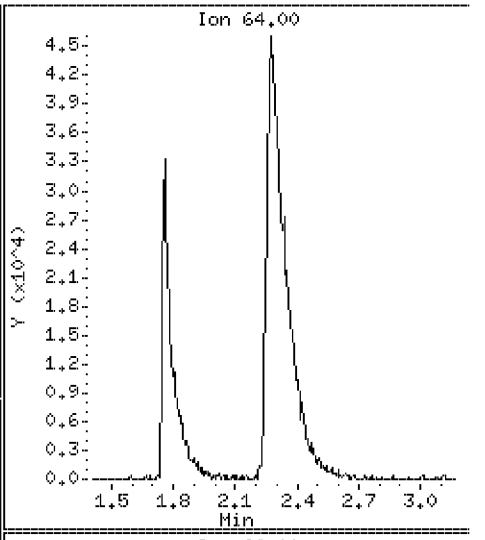
8 Chloroethane Concentration: 51.8 ug/l

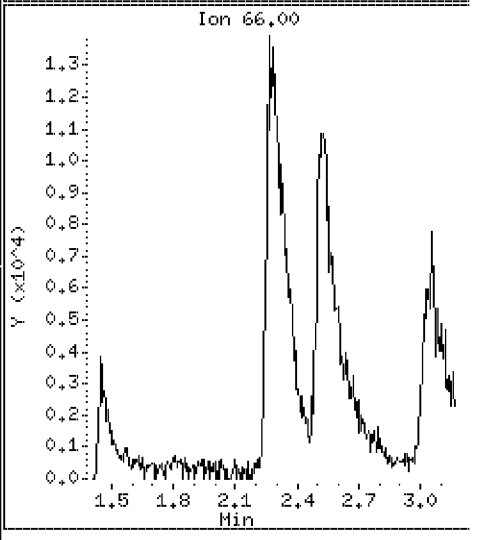












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

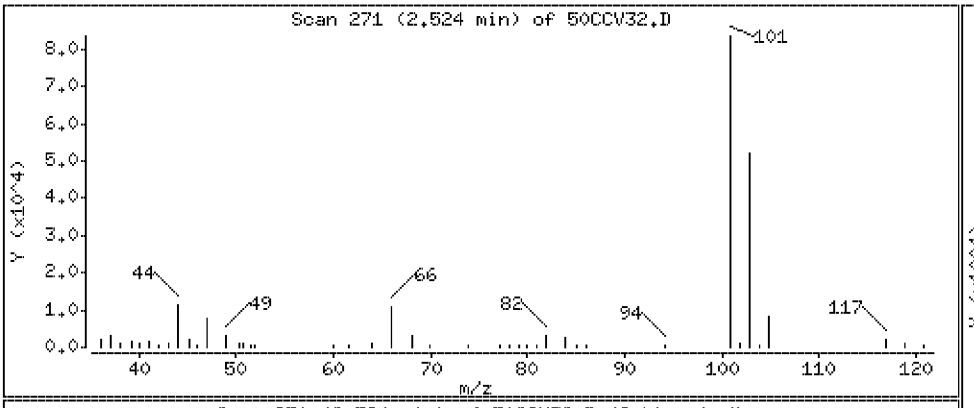
Client ID: 061807CCVA32 Instrument: vms03.i

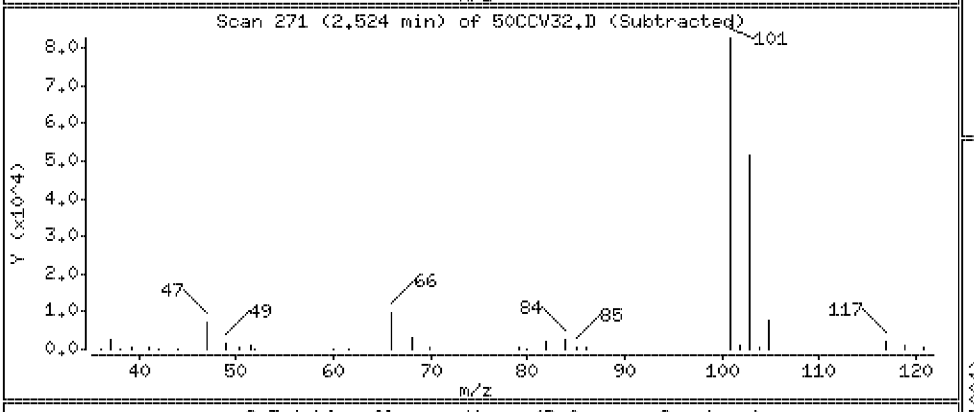
Sample Info: 061807CCVA32

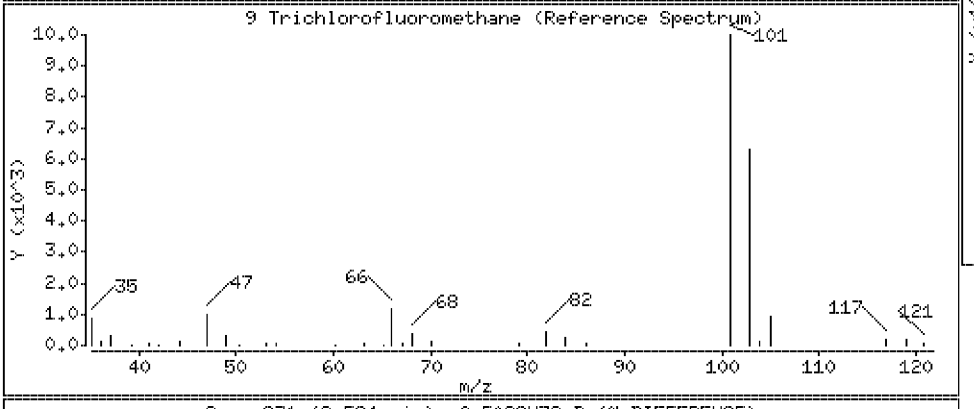
Purge Volume: 5.0 Operator:

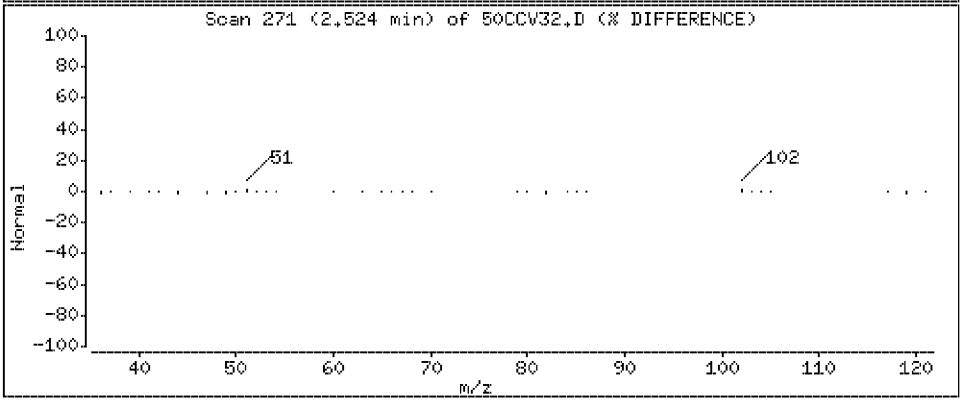
Column phase: DB-624 Column diameter: 0.18

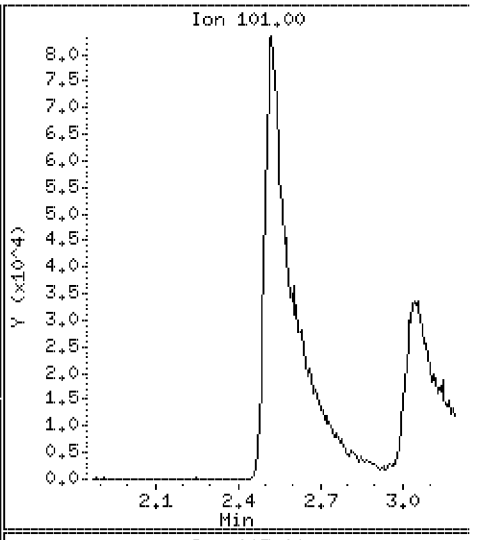
9 Trichlorofluoromethane Concentration: 51.4 ug/l

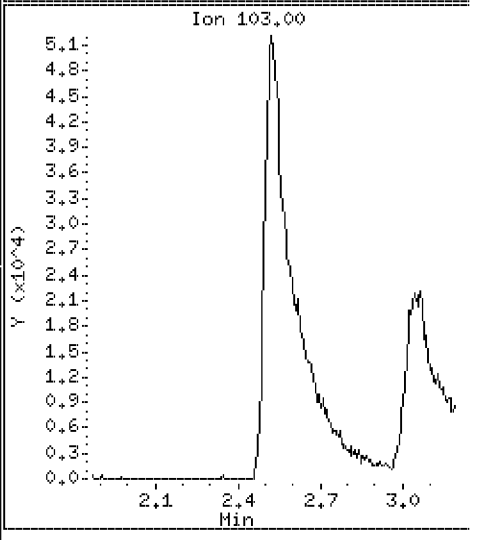












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

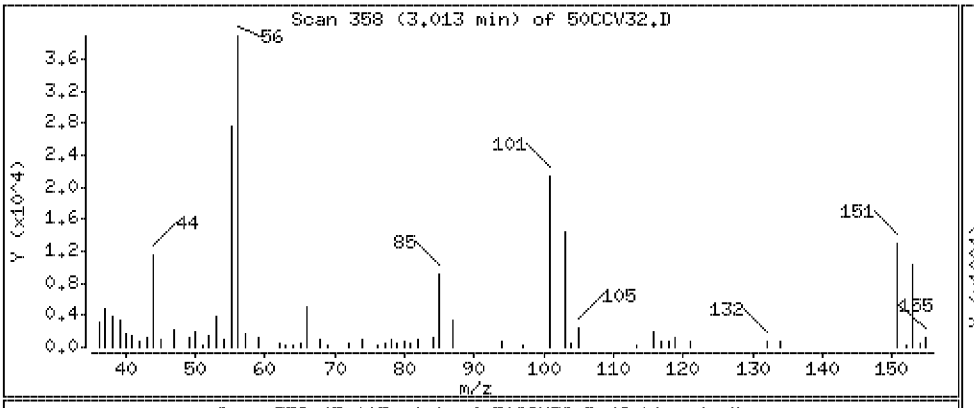
Client ID: 061807CCVA32 Instrument: vms03.i

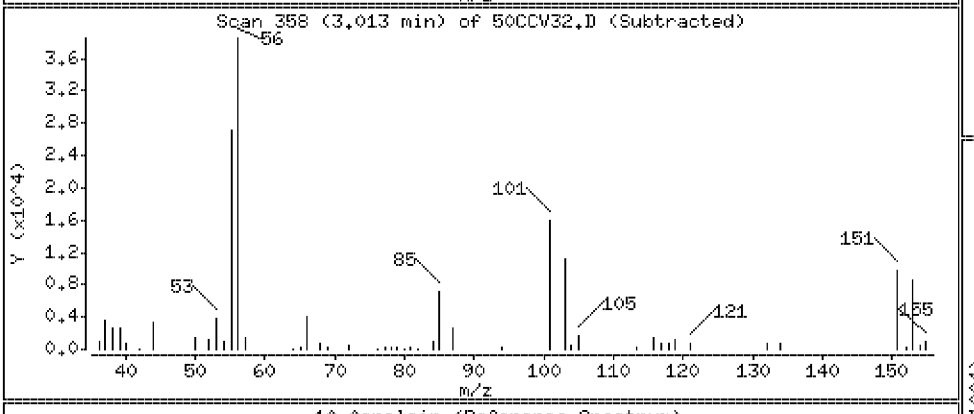
Sample Info: 061807CCVA32

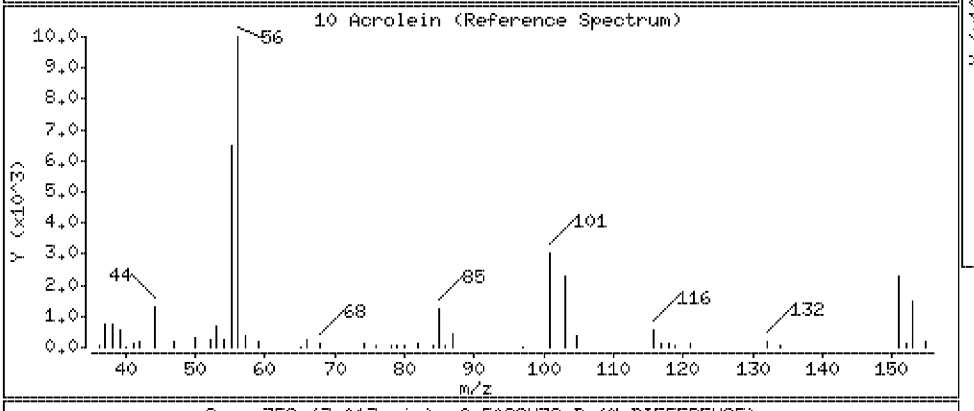
Purge Volume: 5.0 Operator:

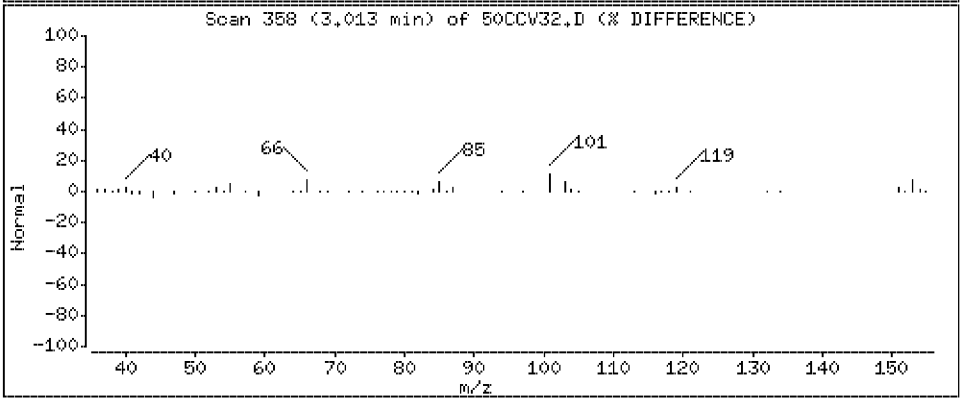
Column phase: DB-624 Column diameter: 0.18

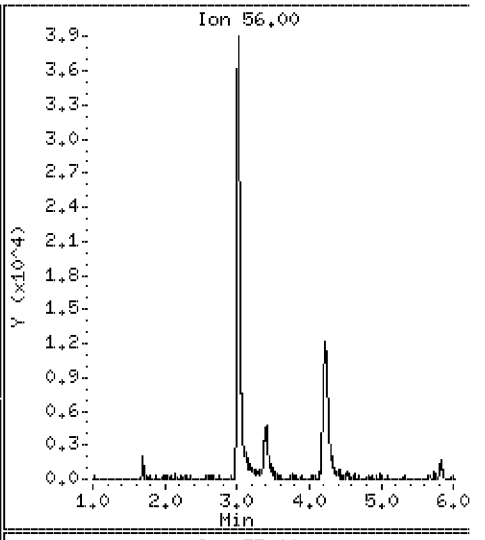
10 Acrolein Concentration: 91.5 ug/l

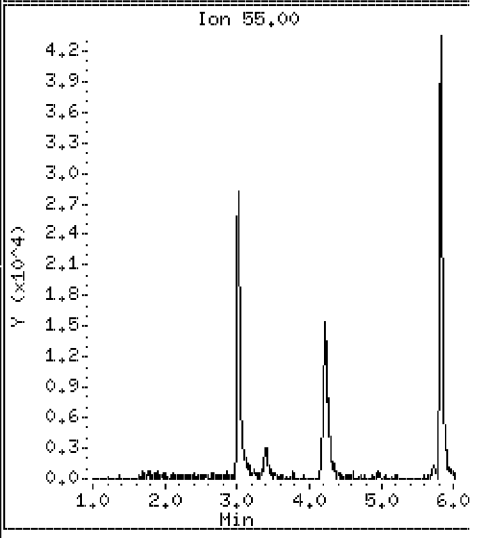












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Date : 18-JUN-2007 16:59

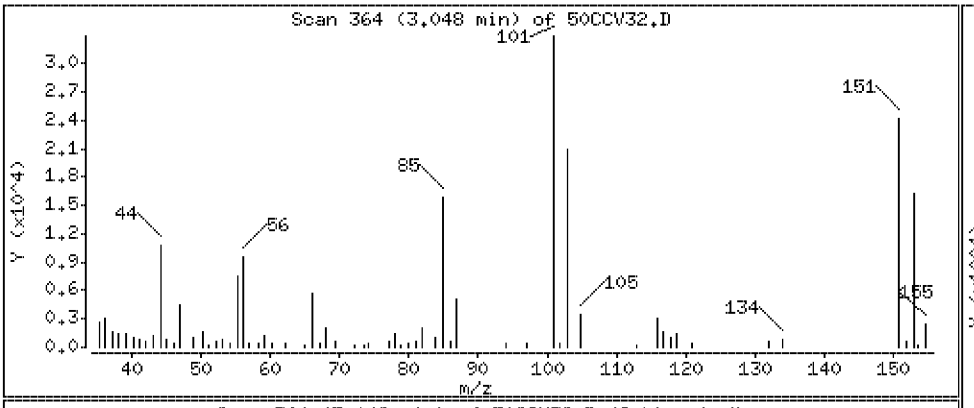
Client ID: 061807CCVA32 Instrument: vms03.i

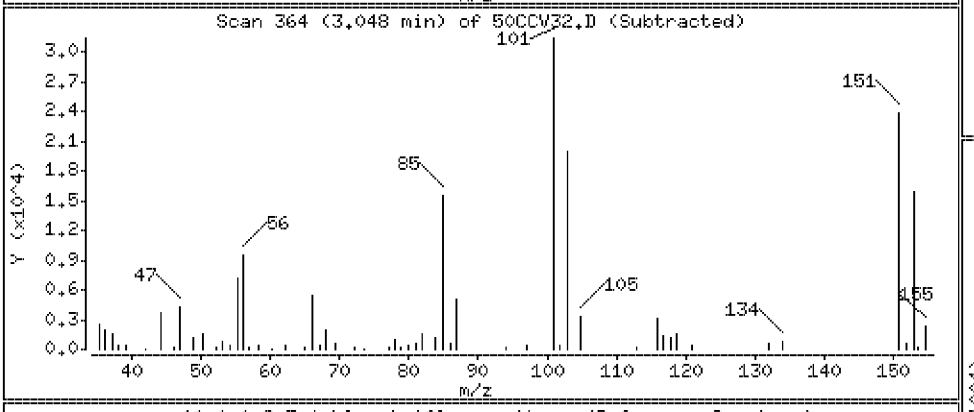
Sample Info: 061807CCVA32

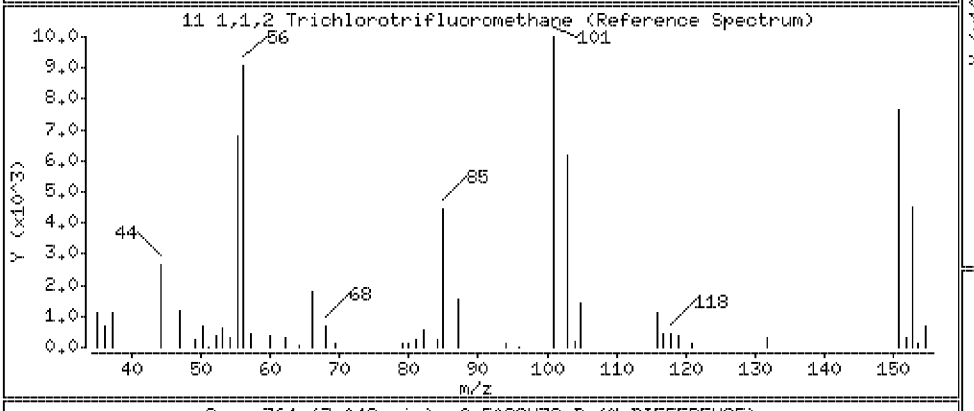
Purge Volume: 5.0 Operator:

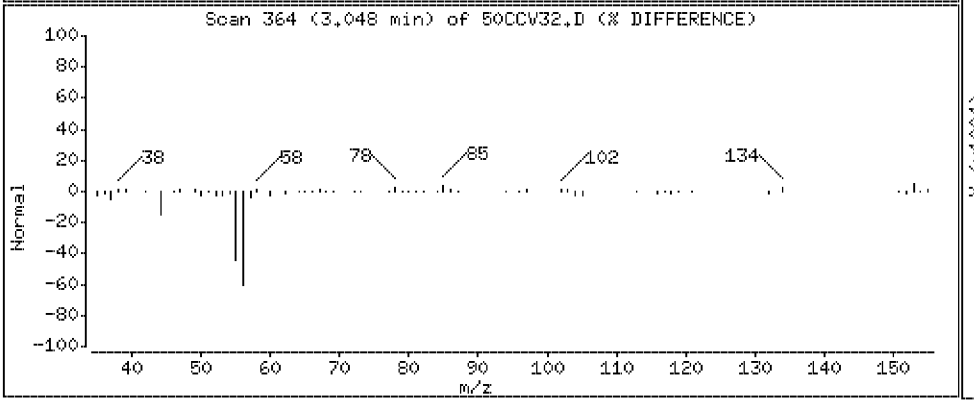
Column phase: DB-624 Column diameter: 0.18

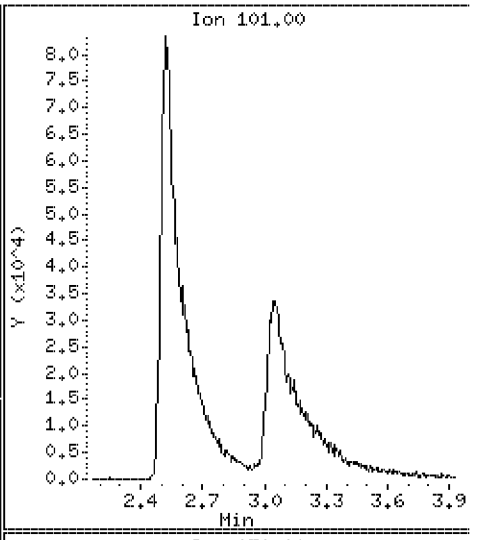
11 1,1,2 Trichlorotrifluoromethane Concentration: 52.7 ug/l

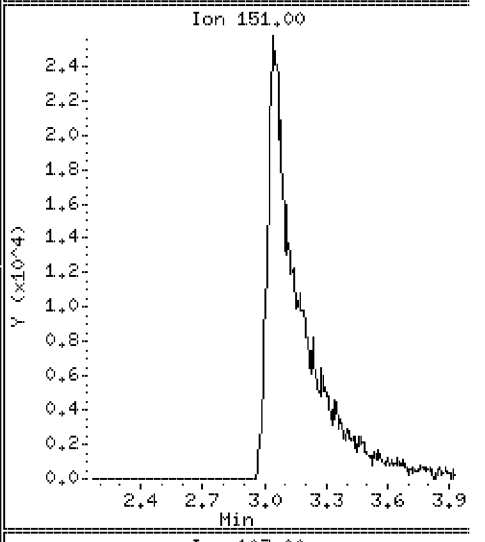


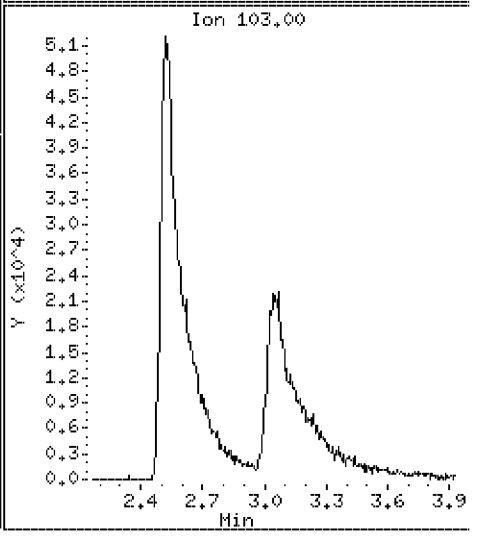












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

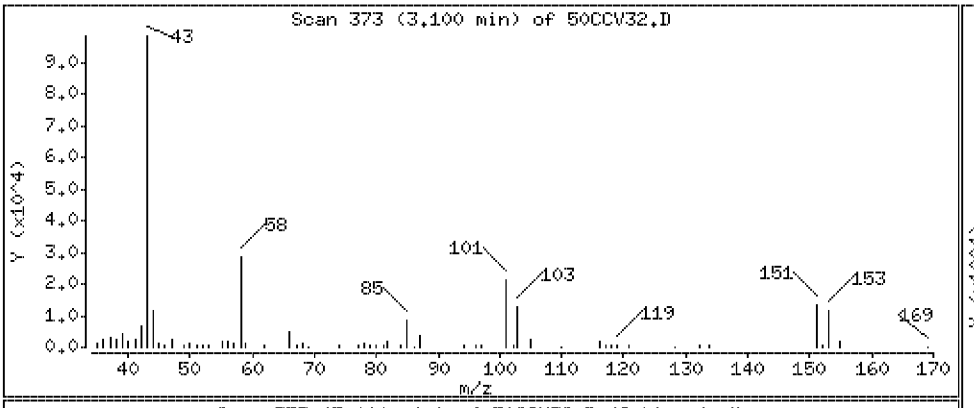
Client ID: 061807CCVA32 Instrument: vms03.i

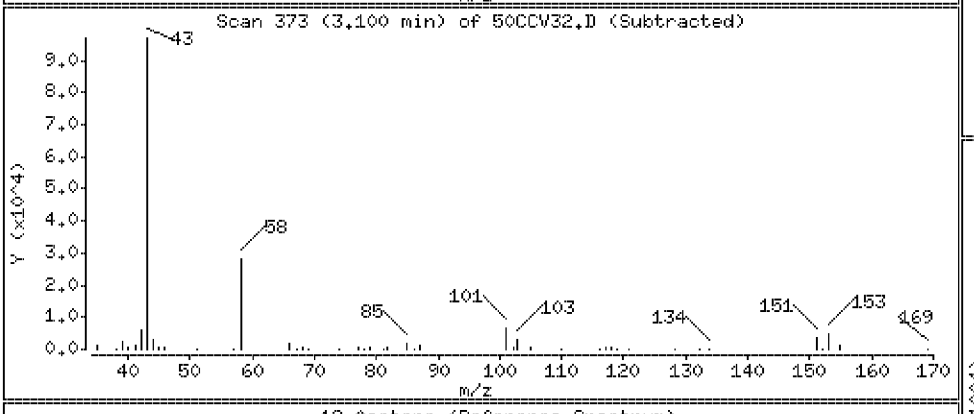
Sample Info: 061807CCVA32

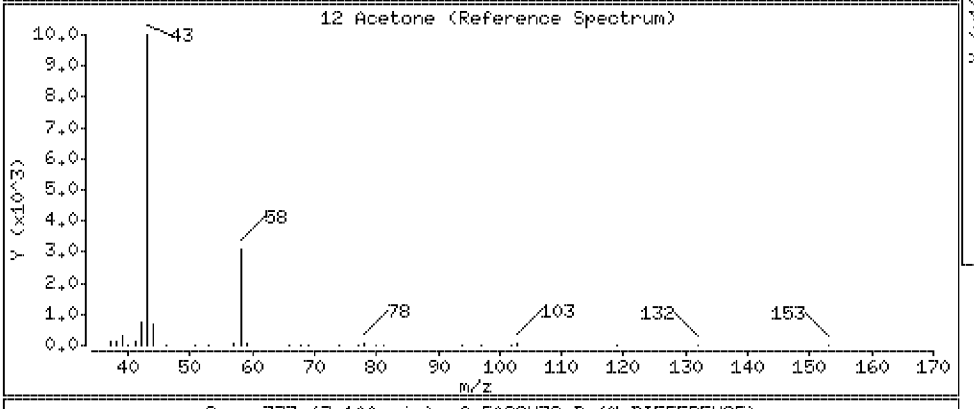
Purge Volume: 5.0 Operator:

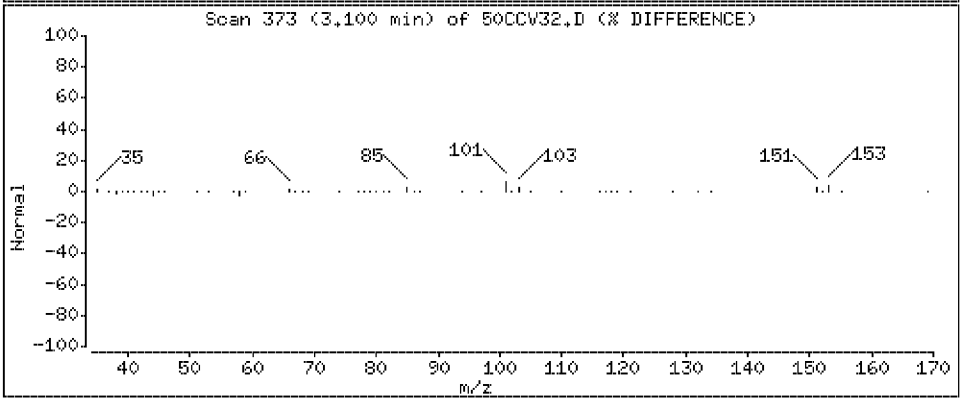
Column phase: DB-624 Column diameter: 0.18

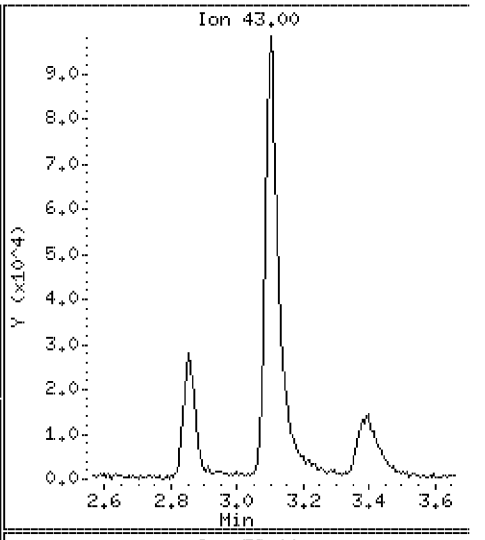
12 Acetone Concentration: 97.0 ug/l

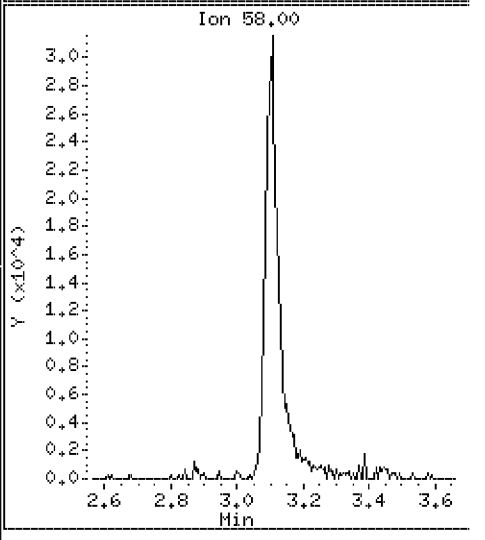












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

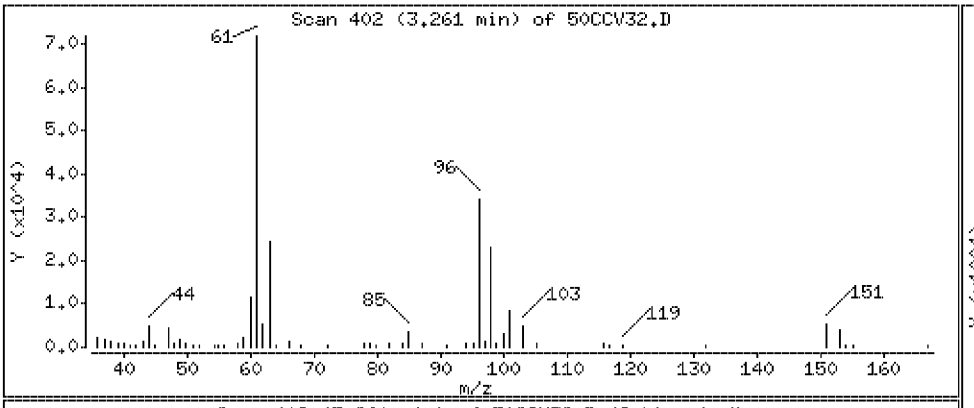
Client ID: 061807CCVA32 Instrument: vms03.i

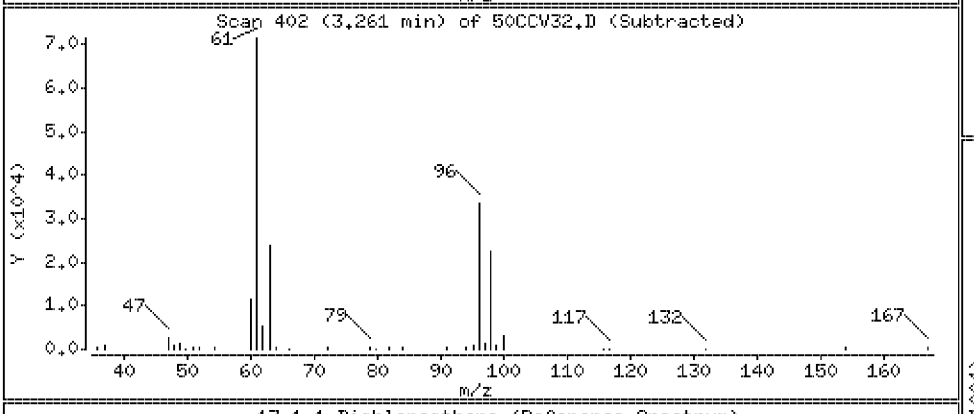
Sample Info: 061807CCVA32

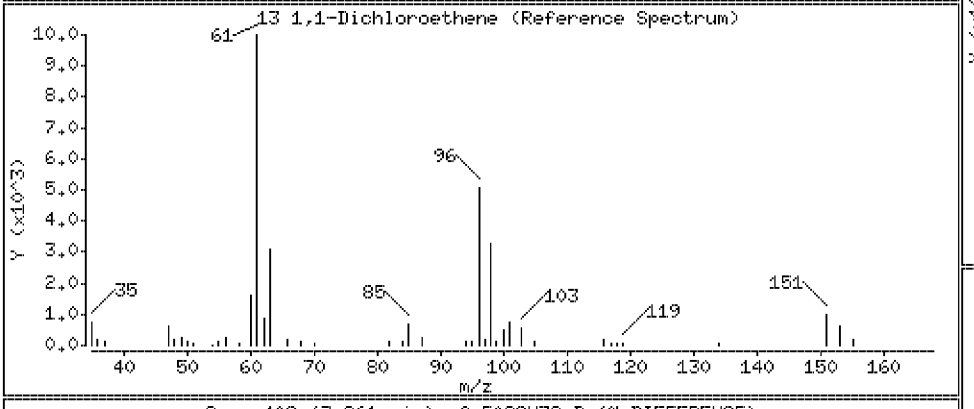
Purge Volume: 5.0 Operator:

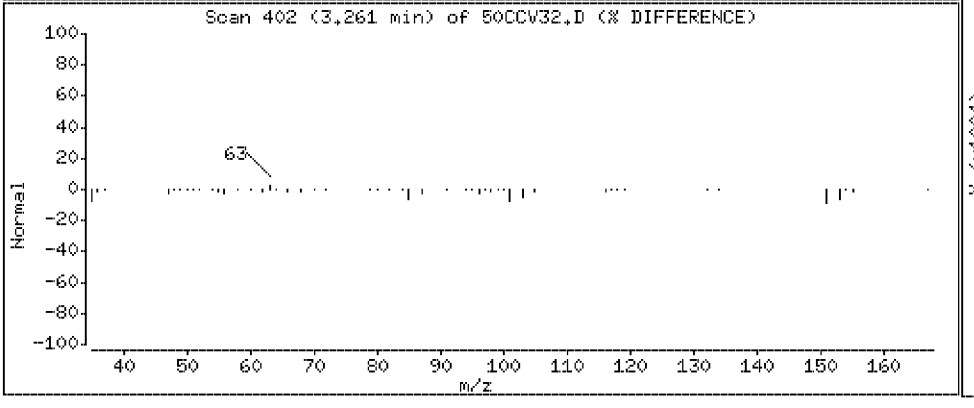
Column phase: DB-624 Column diameter: 0.18

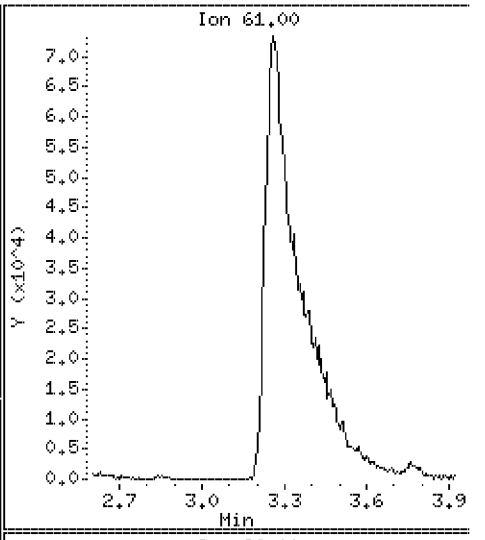
13 1,1-Dichloroethene Concentration: 48.6 ug/l

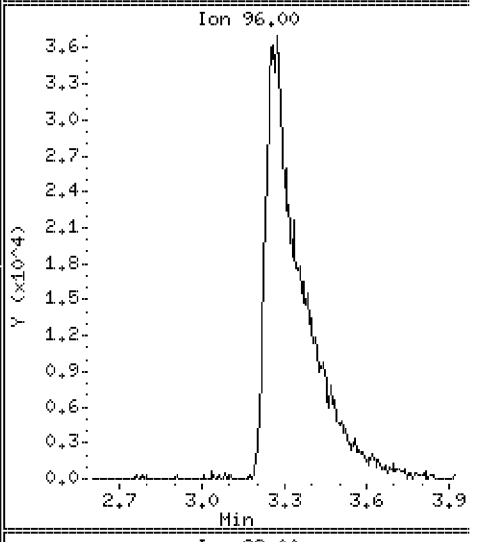


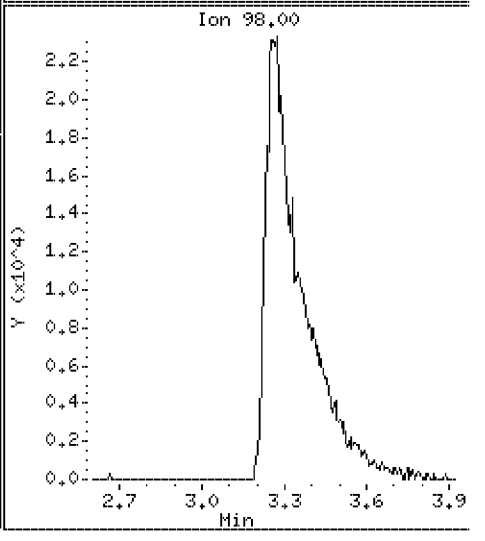












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

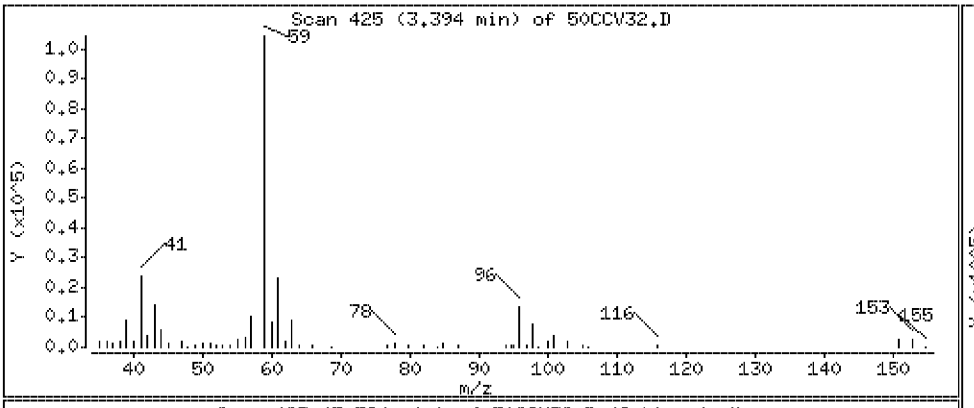
Client ID: 061807CCVA32 Instrument: vms03.i

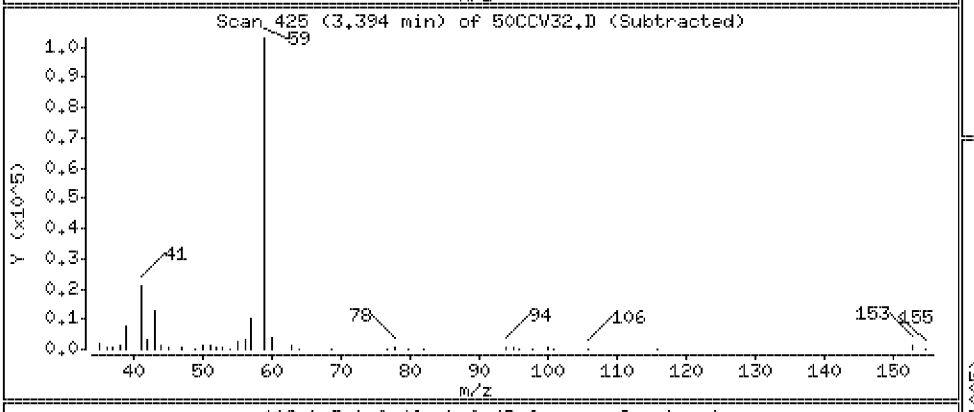
Sample Info: 061807CCVA32

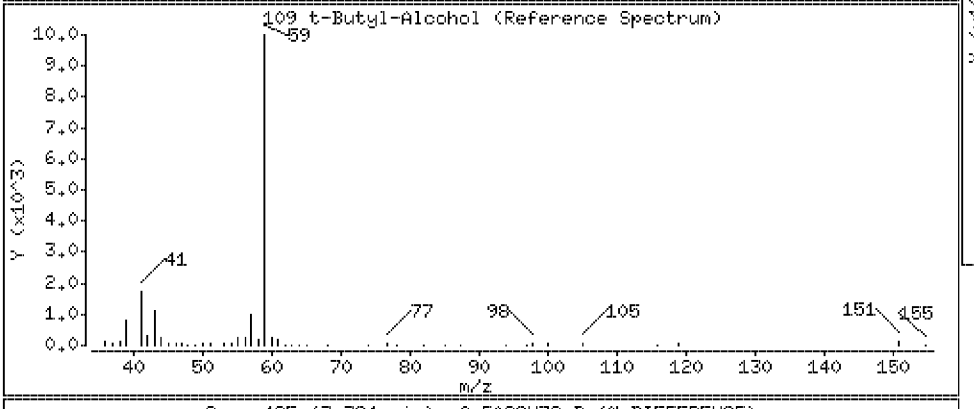
Purge Volume: 5.0 Operator:

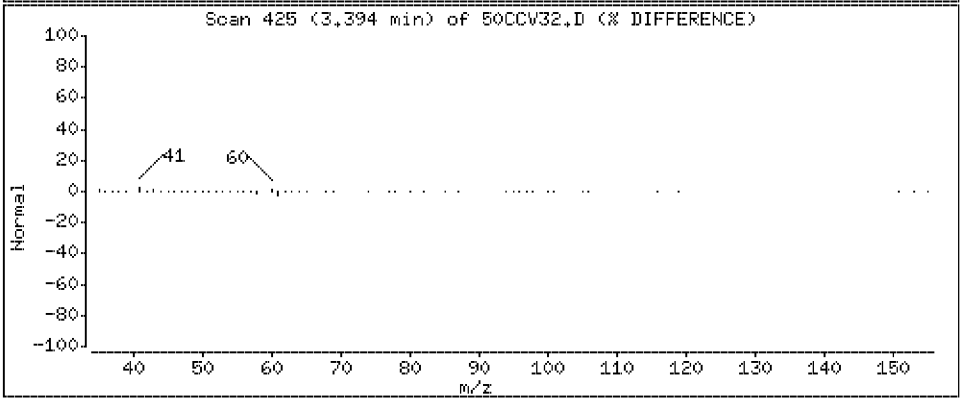
Column phase: DB-624 Column diameter: 0.18

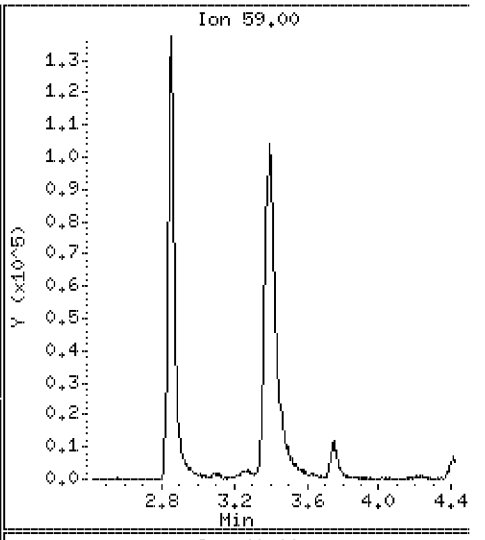
109 t-Butyl-Alcohol Concentration: 526 ug/l

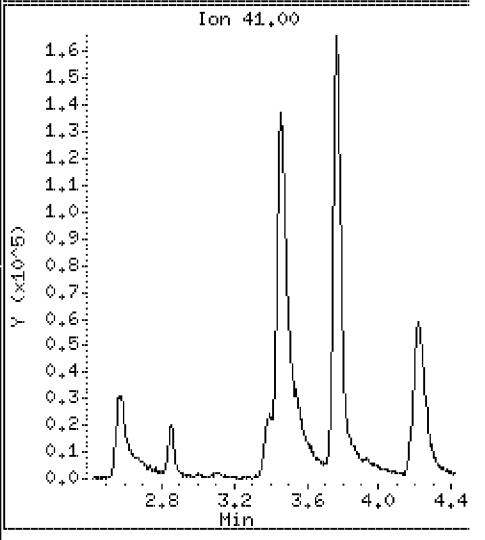












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Date : 18-JUN-2007 16:59

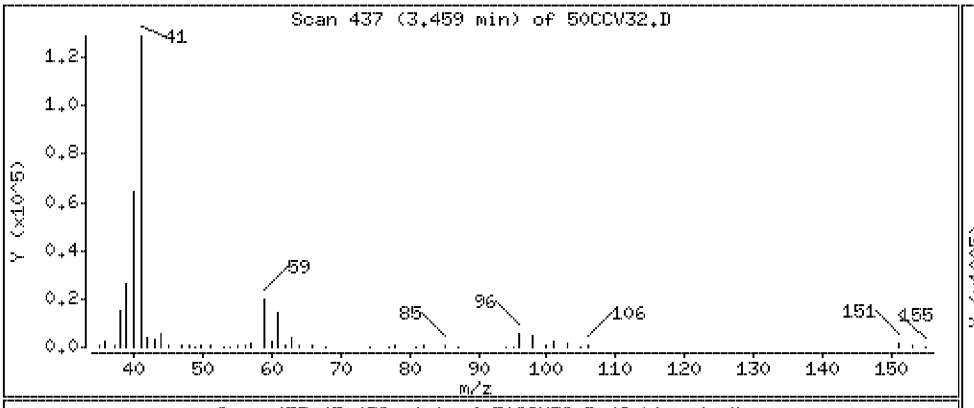
Client ID: 061807CCVA32 Instrument: vms03.i

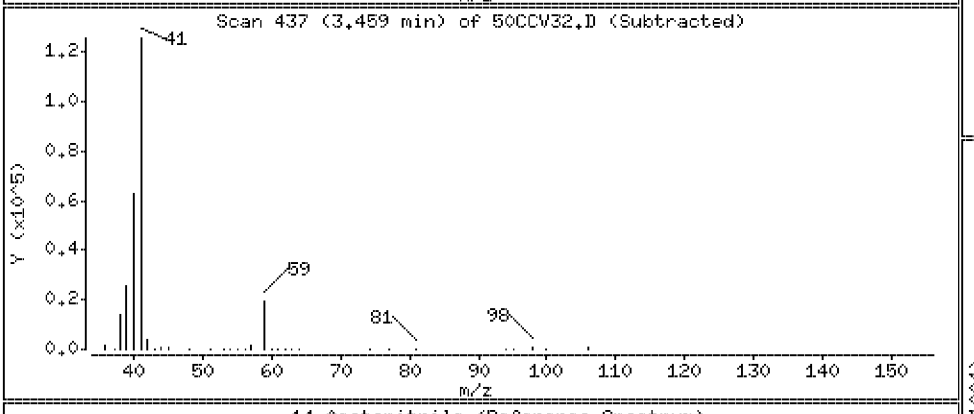
Sample Info: 061807CCVA32

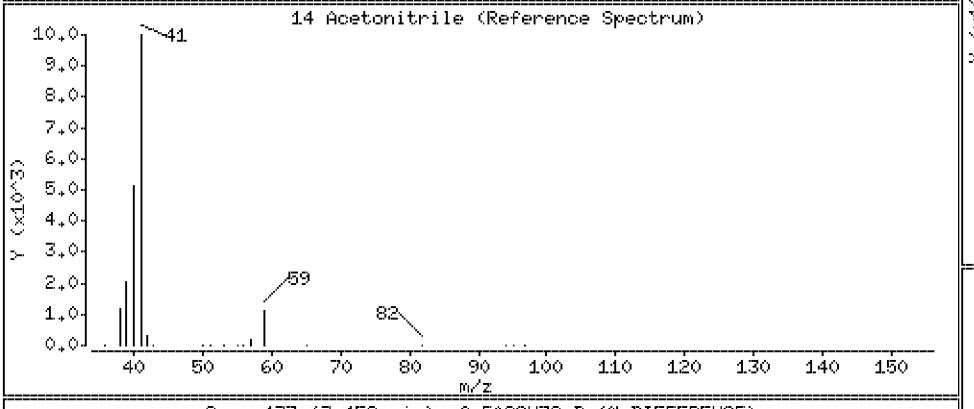
Purge Volume: 5.0 Operator:

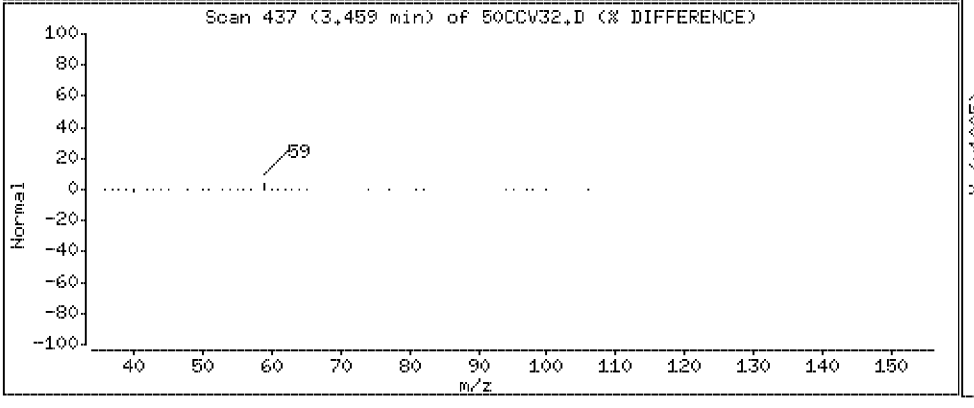
Column phase: DB-624 Column diameter: 0.18

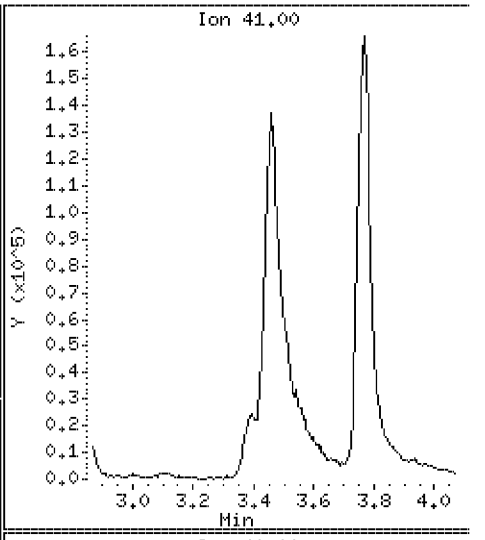
14 Acetonitrile Concentration: 475 ug/l

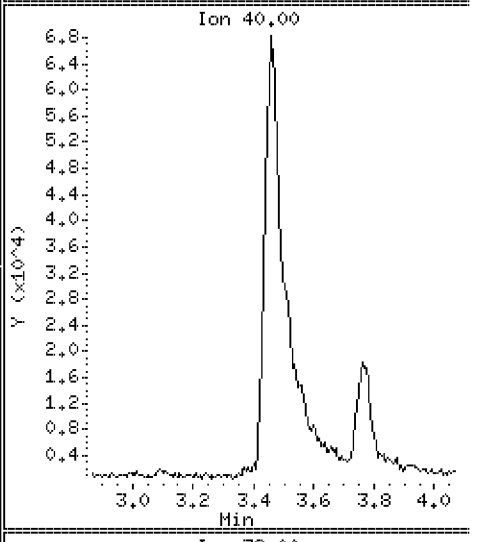


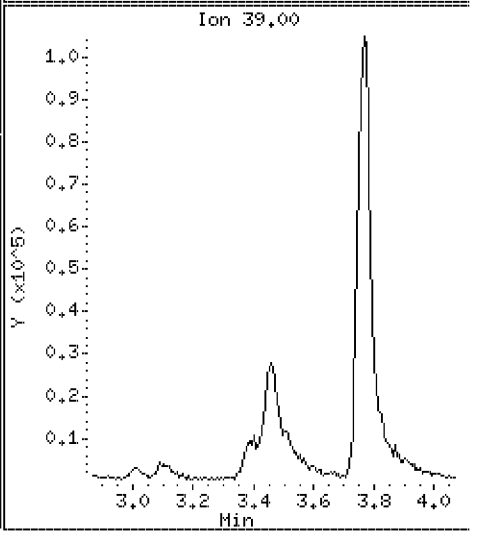












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

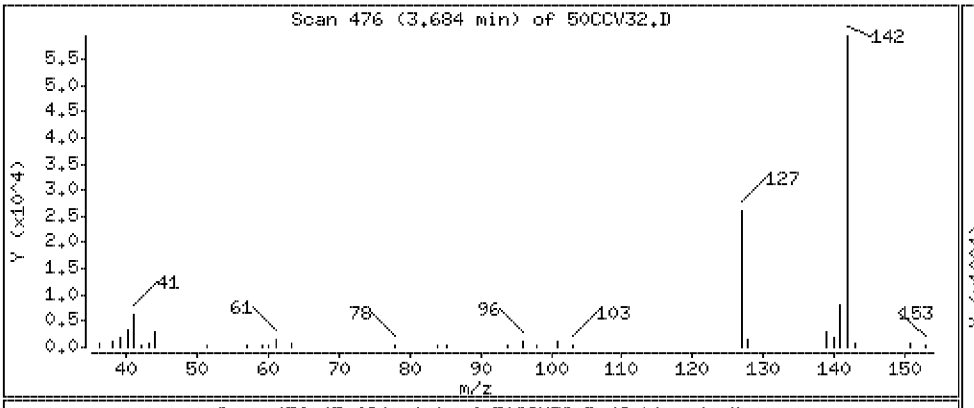
Client ID: 061807CCVA32 Instrument: vms03.i

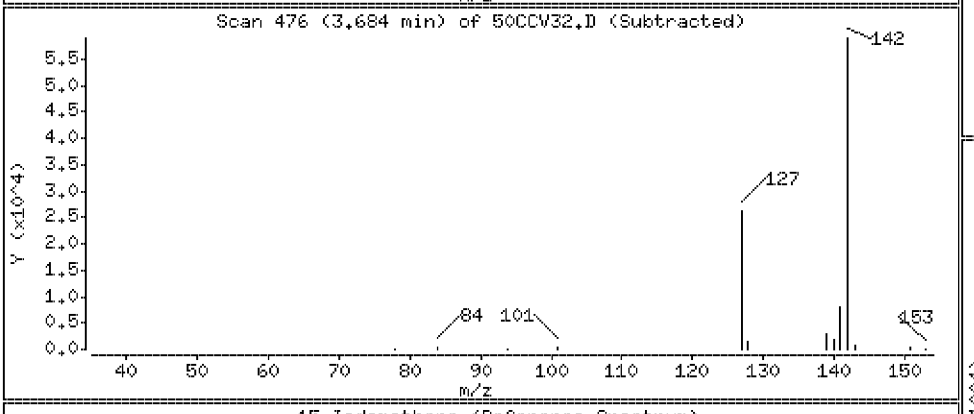
Sample Info: 061807CCVA32

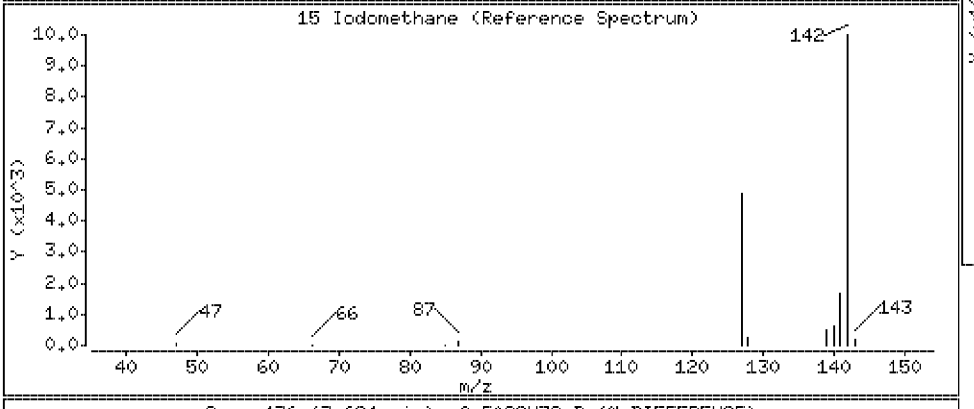
Purge Volume: 5.0 Operator:

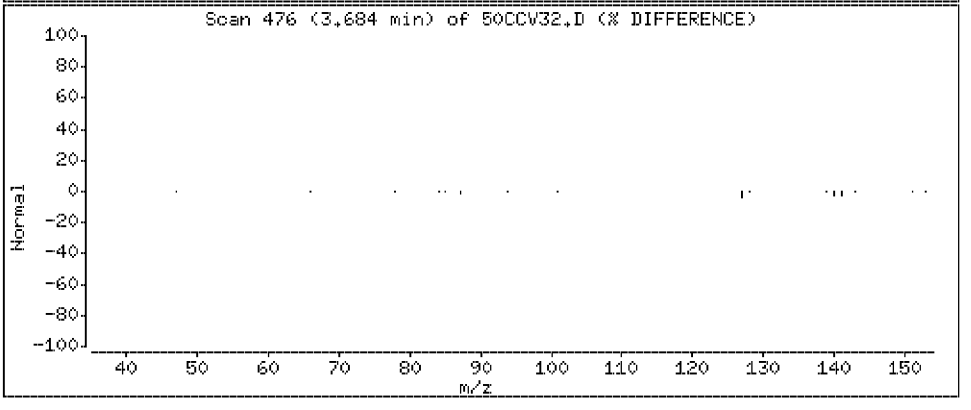
Column phase: DB-624 Column diameter: 0.18

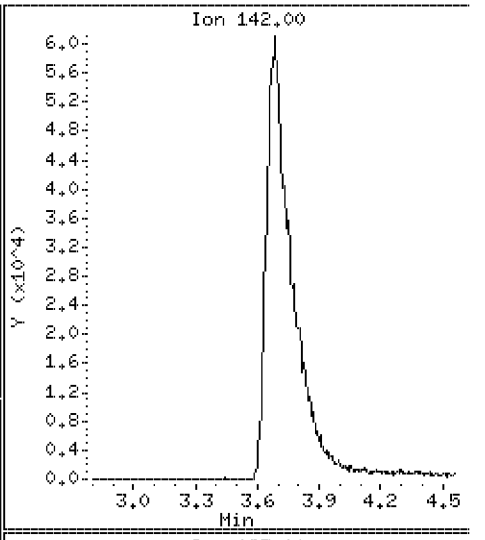
15 Iodomethane Concentration: 54.2 ug/l

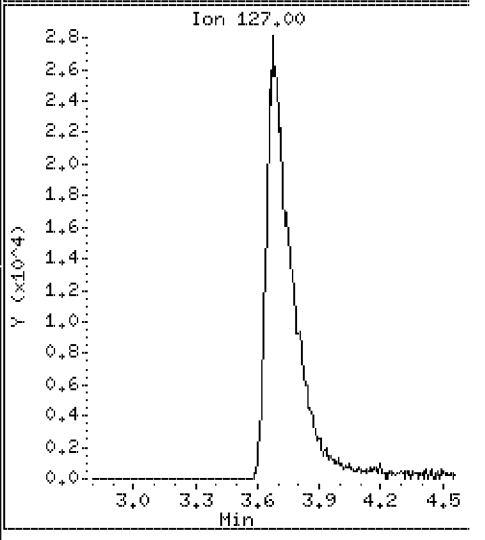












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

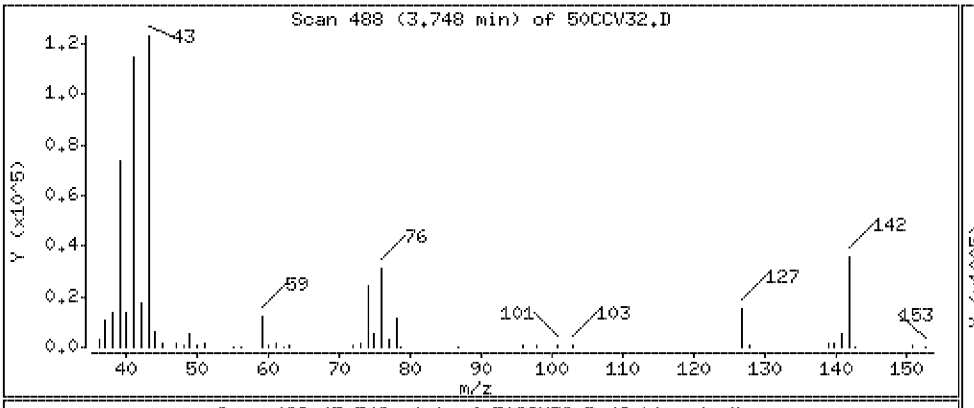
Client ID: 061807CCVA32 Instrument: vms03.i

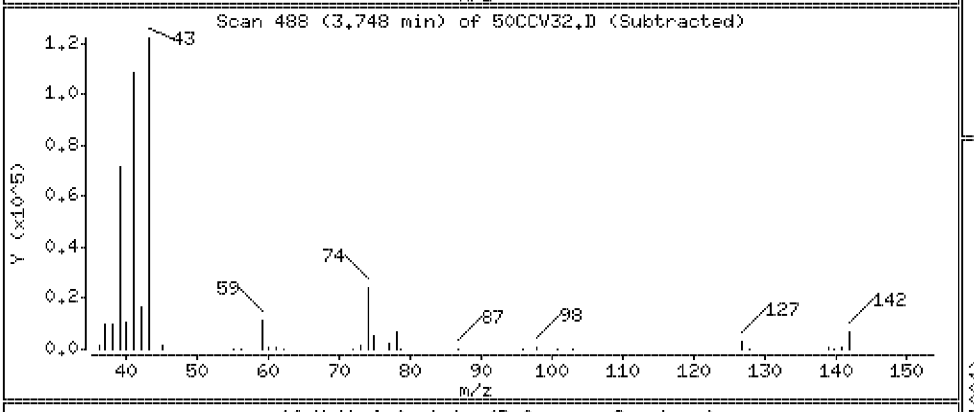
Sample Info: 061807CCVA32

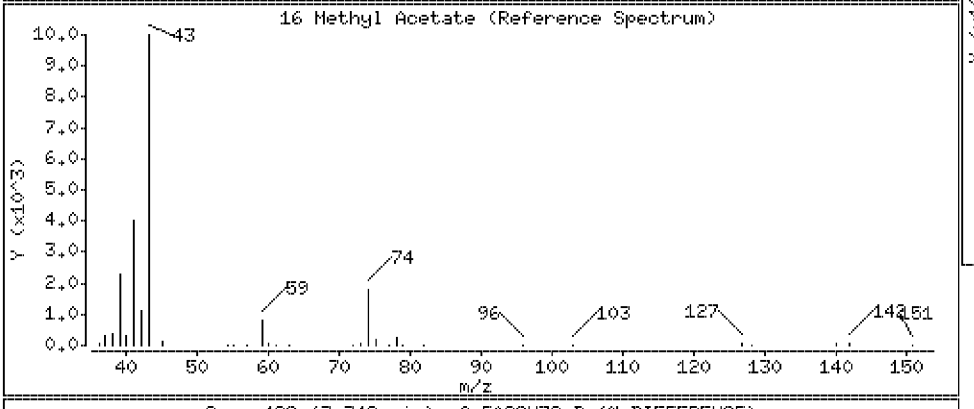
Purge Volume: 5.0 Operator:

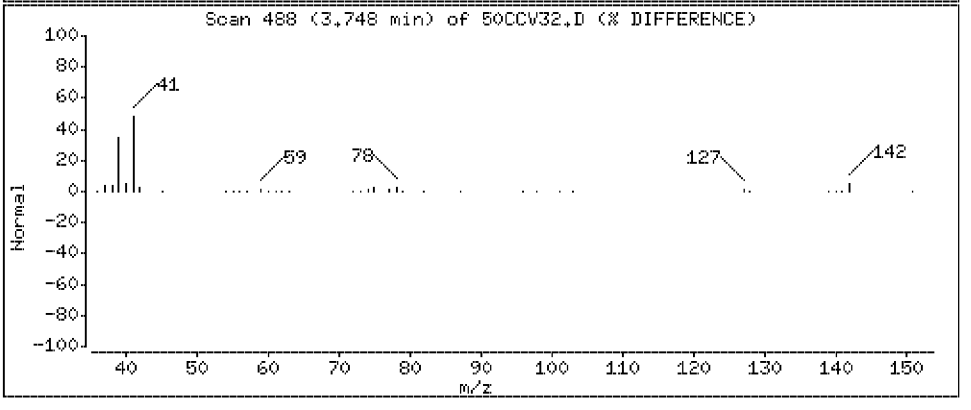
Column phase: DB-624 Column diameter: 0.18

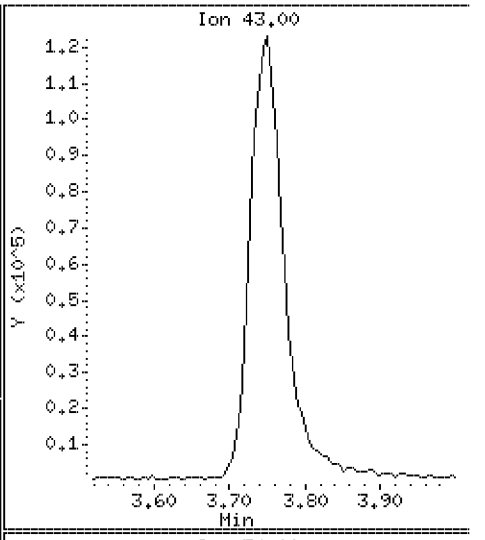
16 Methyl Acetate Concentration: 47.6 ug/l

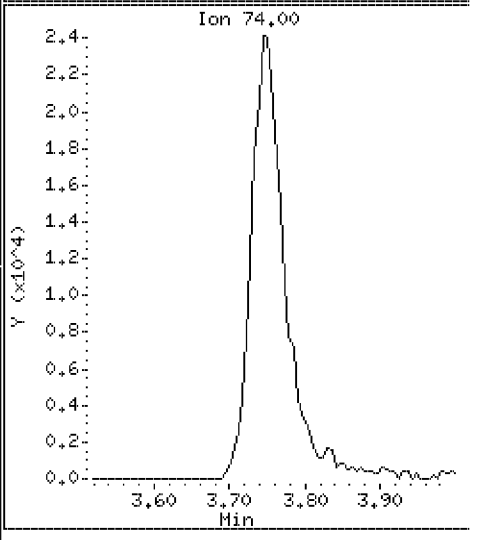












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

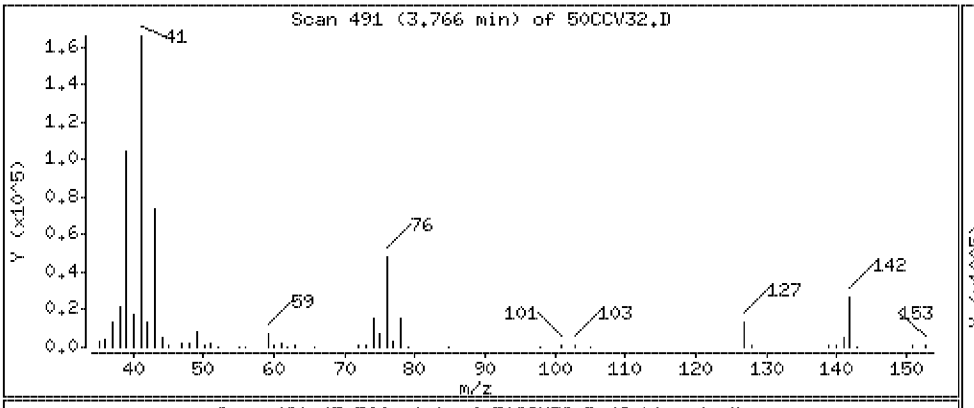
Client ID: 061807CCVA32 | Instrument: vms03.i

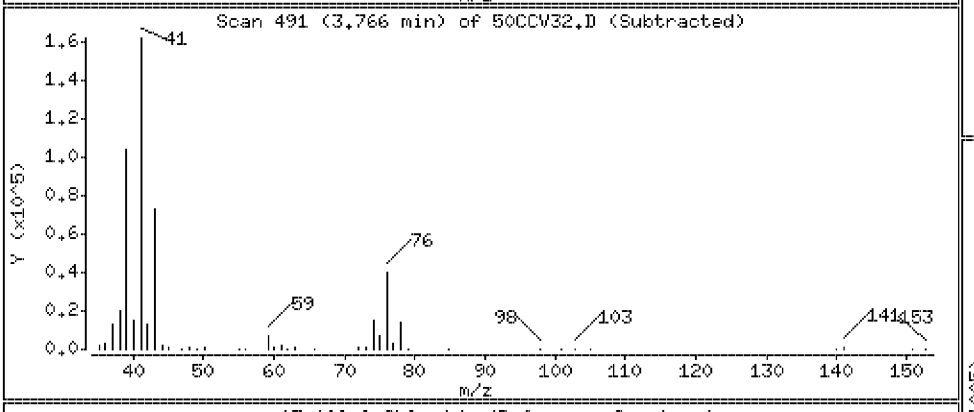
Sample Info: 061807CCVA32

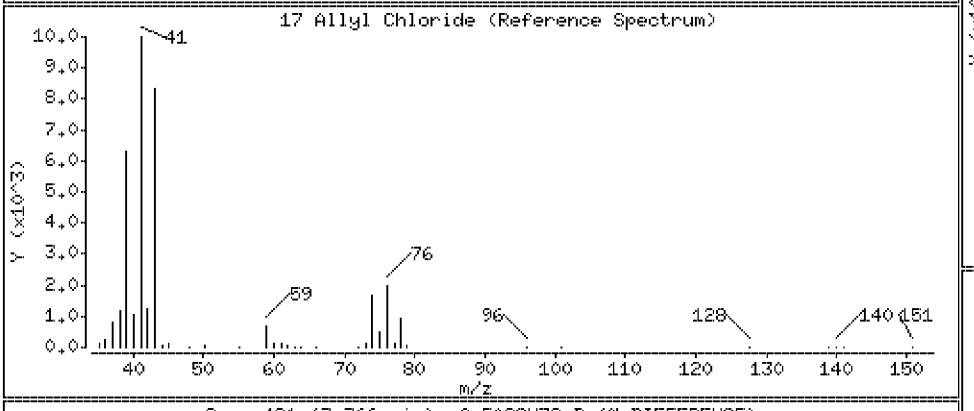
Purge Volume: 5.0 | Operator:

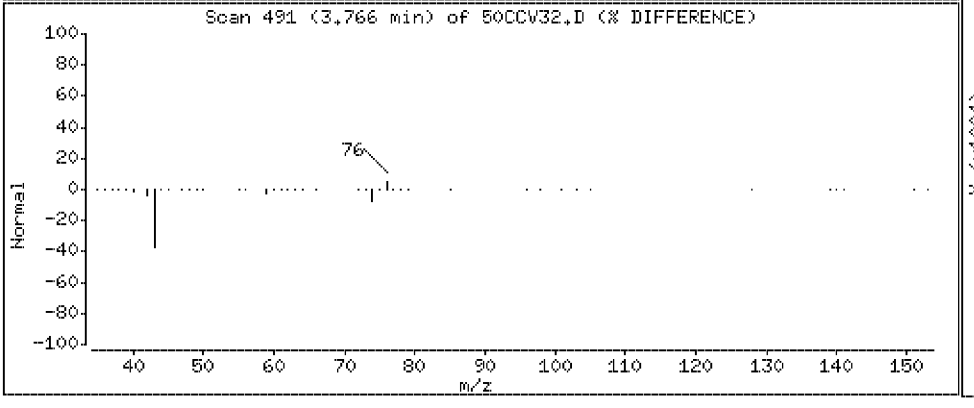
Column phase: DB-624 | Column diameter: 0.18

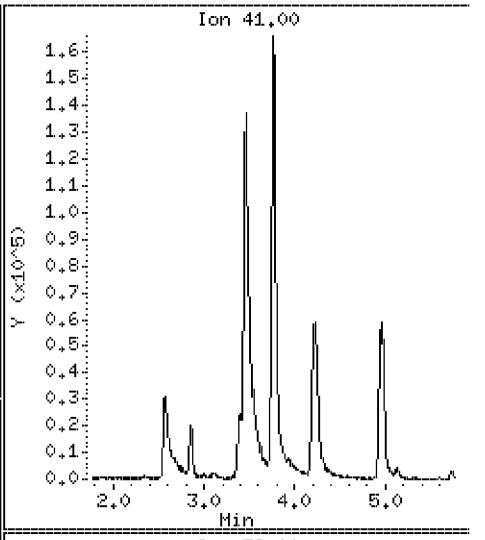
17 Allyl Chloride | Concentration: 48.9 ug/l

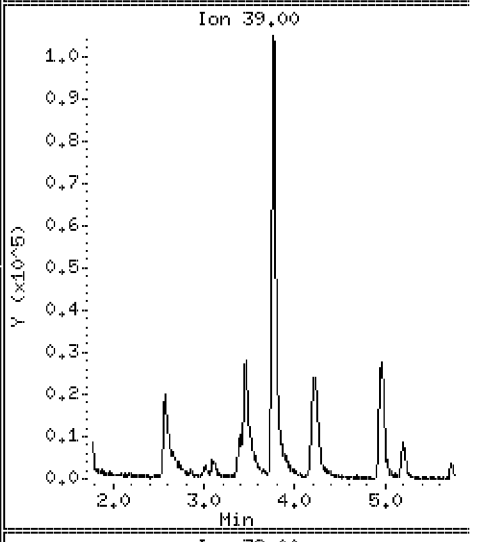


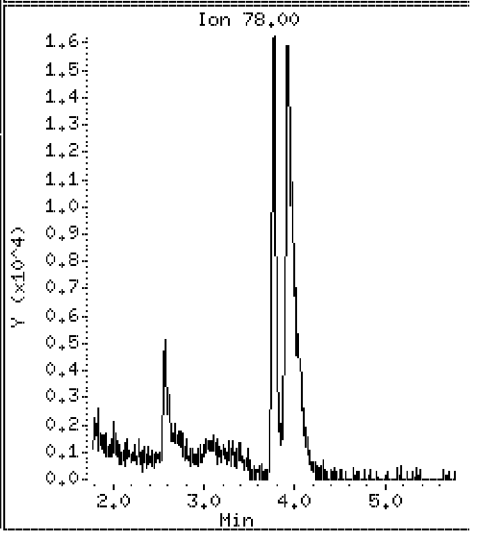












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

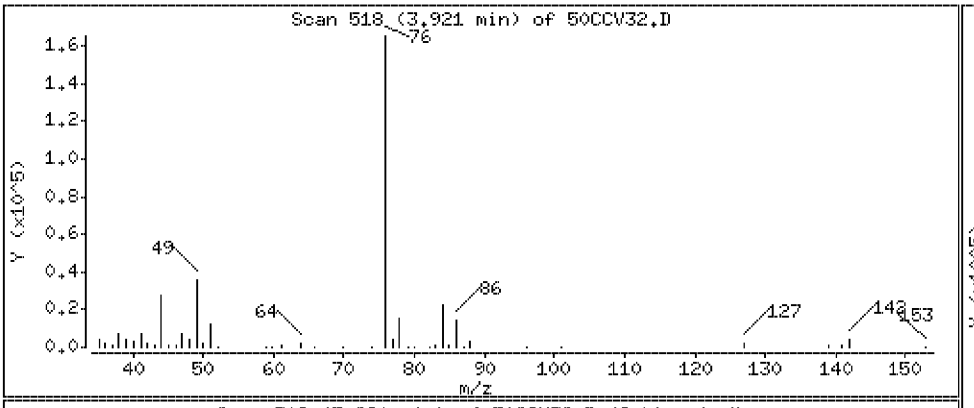
Client ID: 061807CCVA32 Instrument: vms03.i

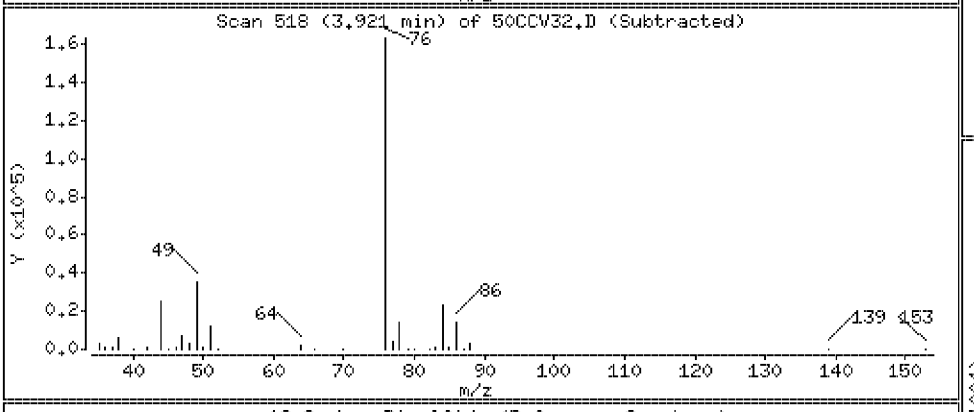
Sample Info: 061807CCVA32

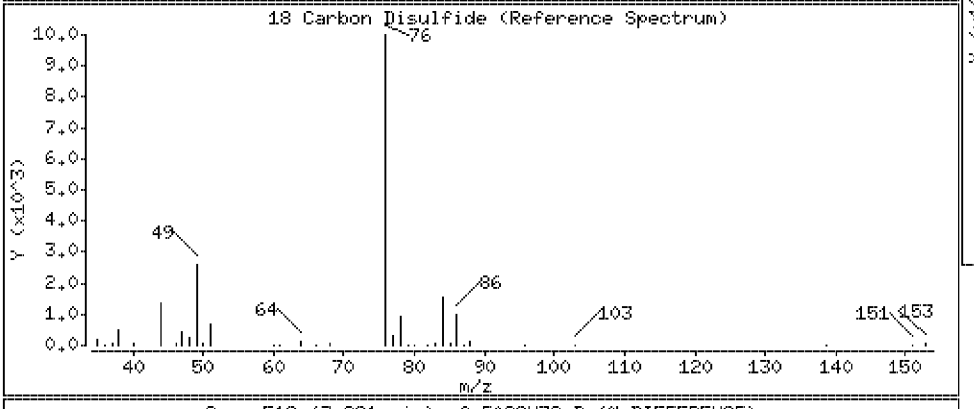
Purge Volume: 5.0 Operator:

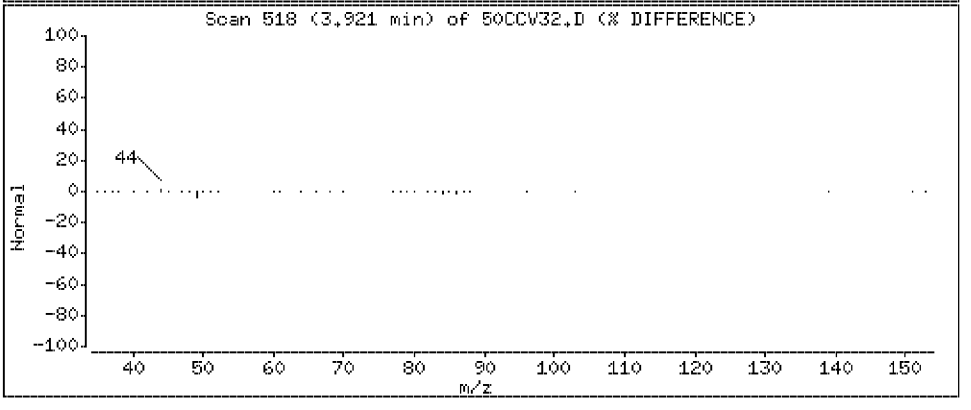
Column phase: DB-624 Column diameter: 0.18

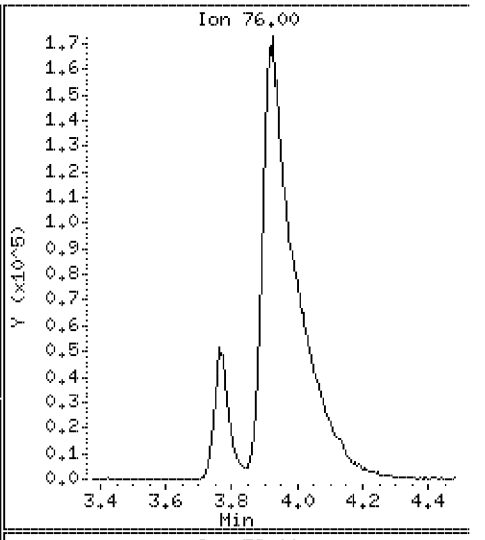
18 Carbon Disulfide Concentration: 49.1 ug/l

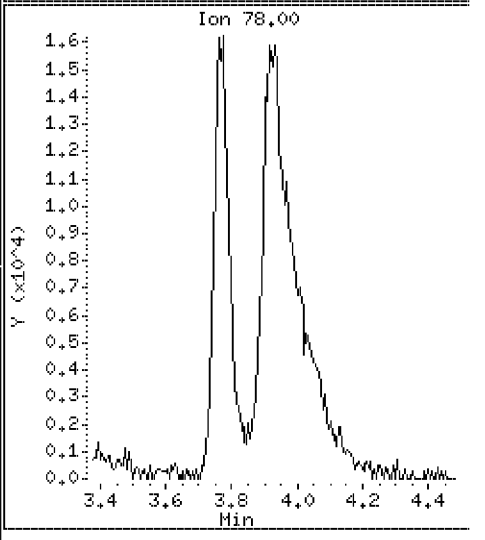












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

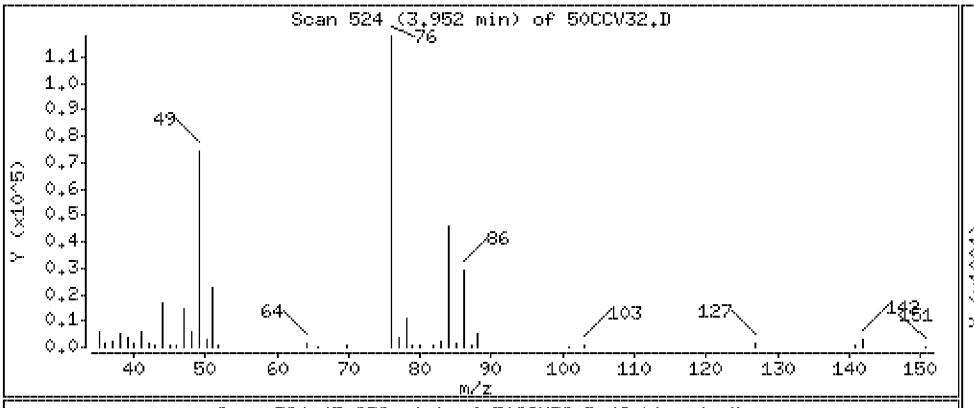
Client ID: 061807CCVA32 Instrument: vms03.i

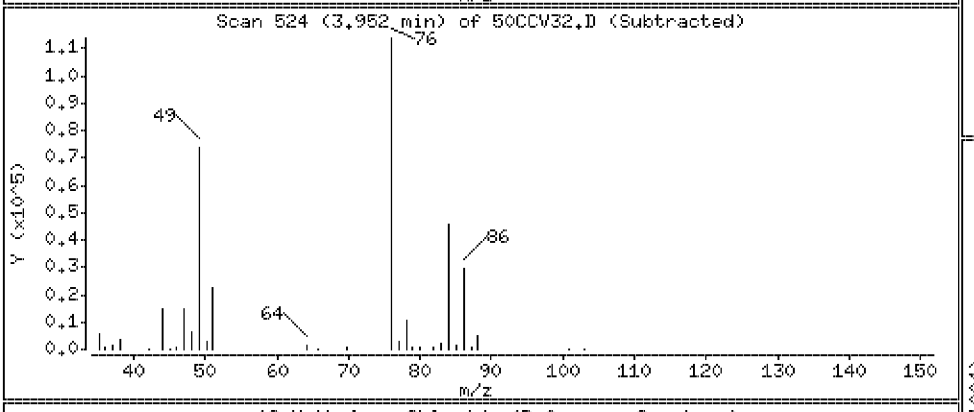
Sample Info: 061807CCVA32

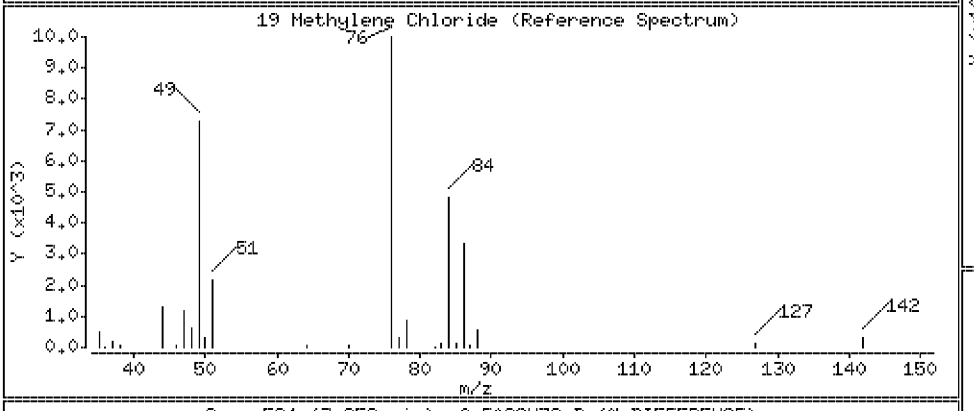
Purge Volume: 5.0 Operator:

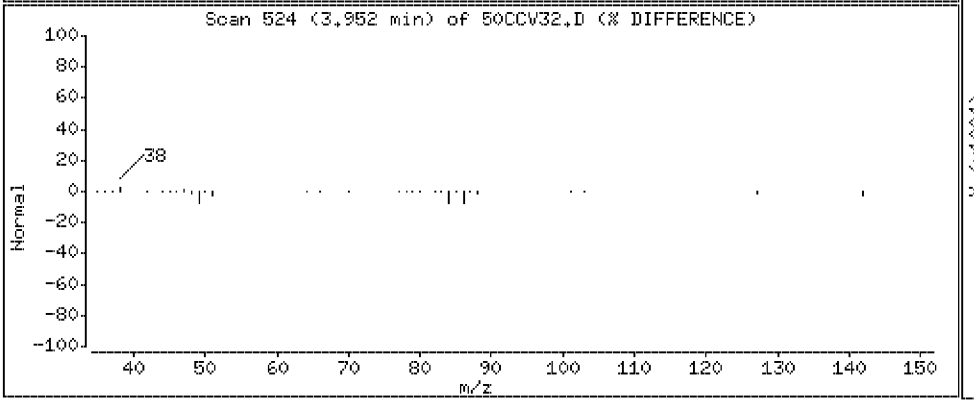
Column phase: DB-624 Column diameter: 0.18

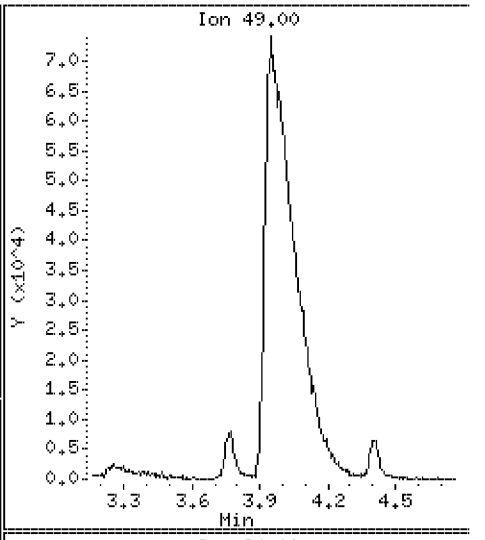
19 Methylene Chloride Concentration: 46.7 ug/l

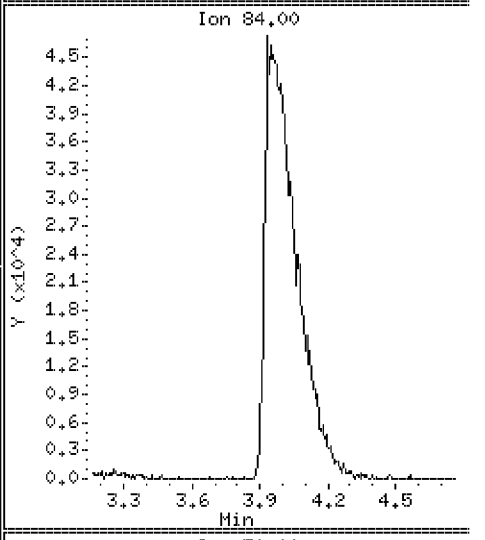


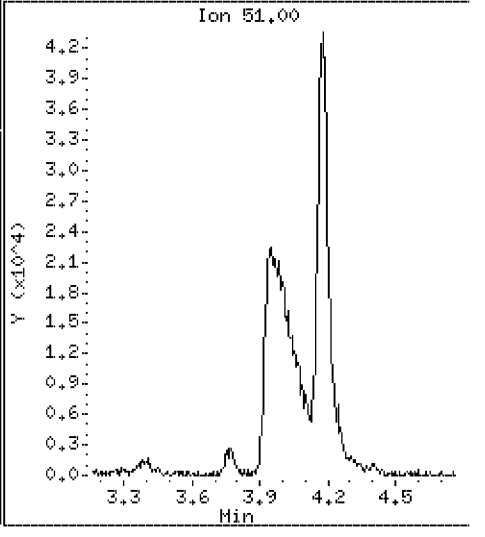












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

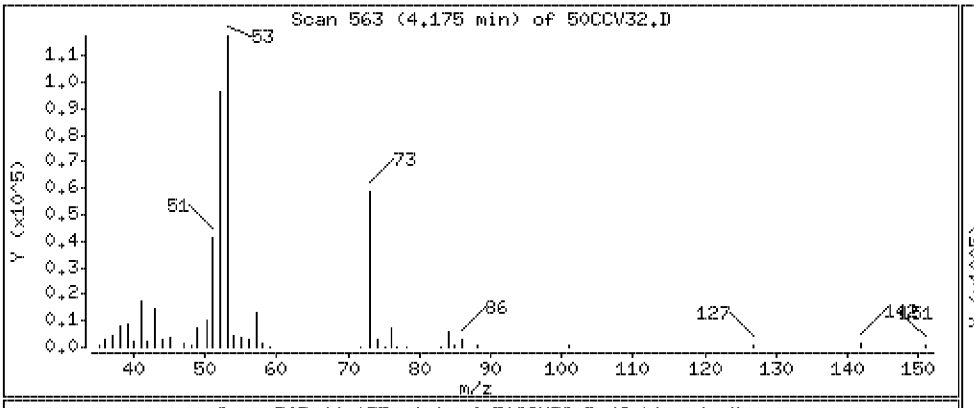
Client ID: 061807CCVA32 Instrument: vms03.i

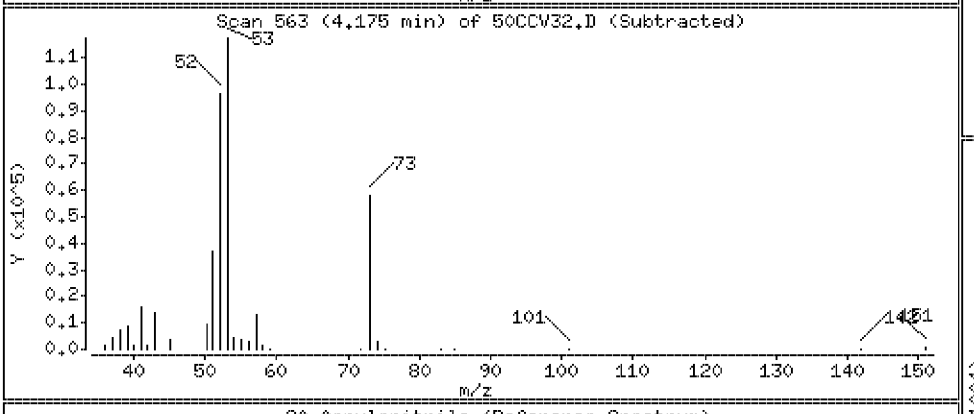
Sample Info: 061807CCVA32

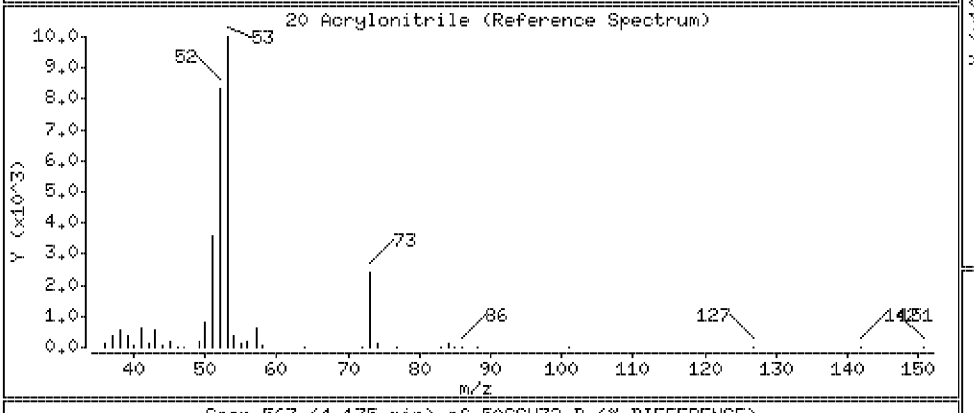
Purge Volume: 5.0 Operator:

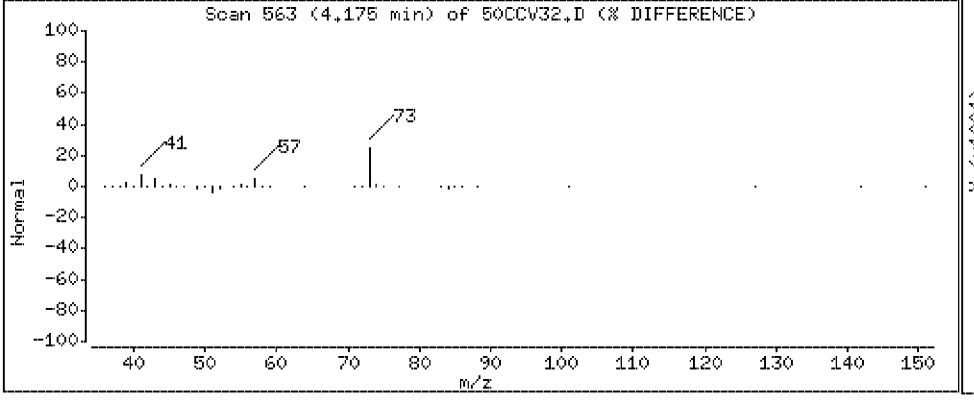
Column phase: DB-624 Column diameter: 0.18

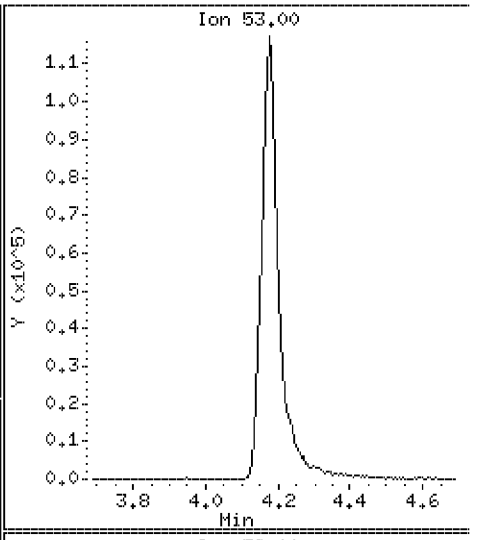
20 Acrylonitrile Concentration: 106 ug/l

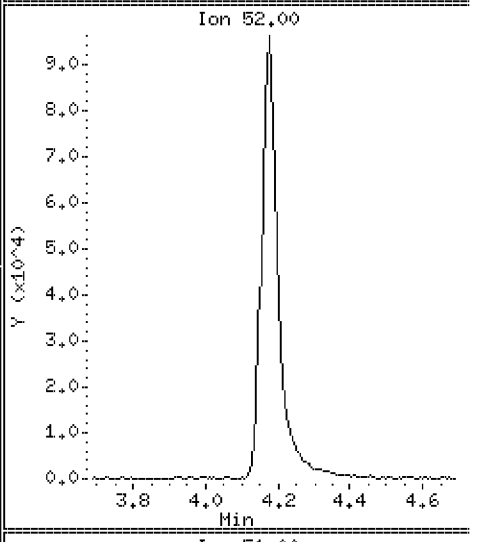


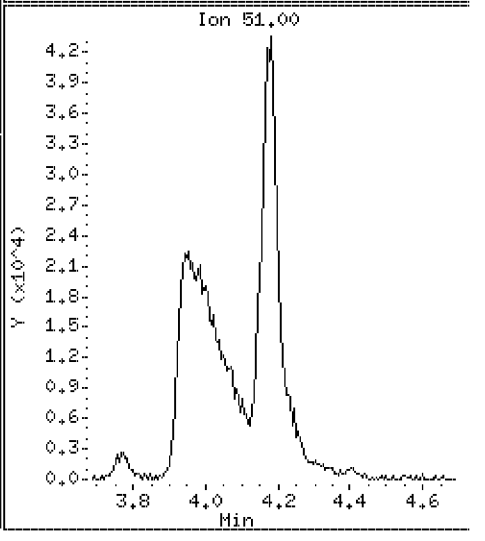












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

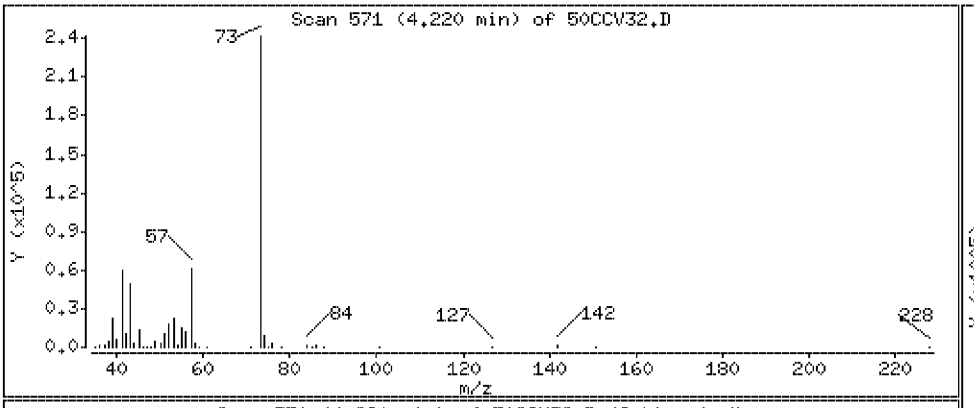
Client ID: 061807CCVA32 Instrument: vms03.i

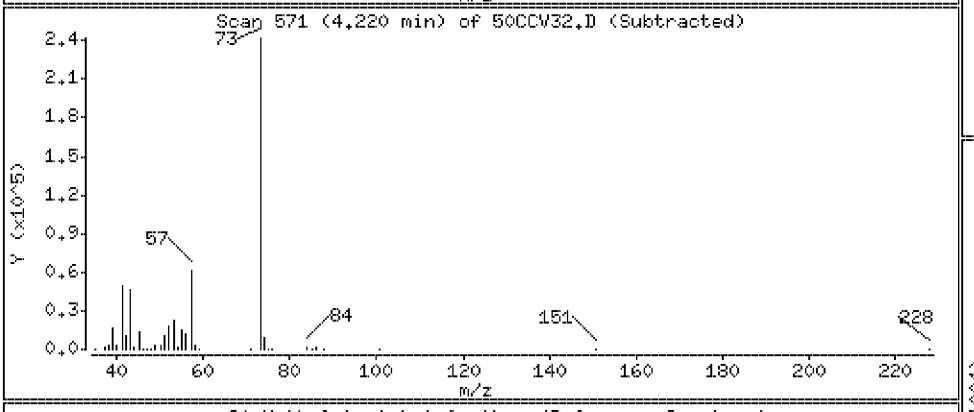
Sample Info: 061807CCVA32

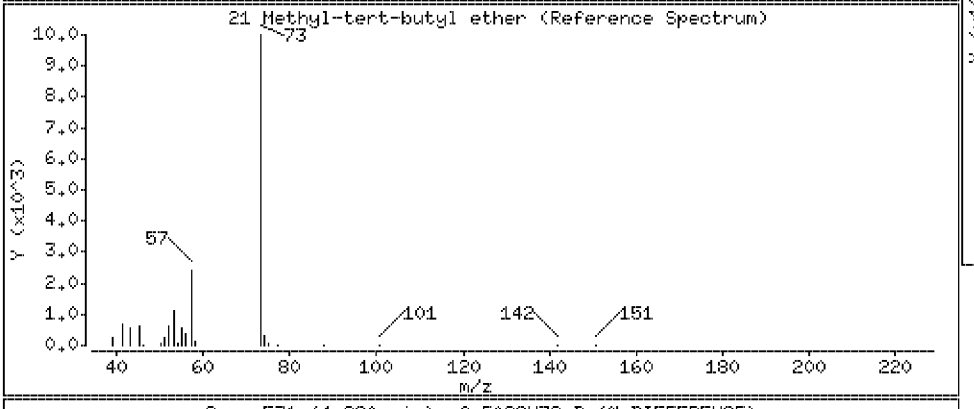
Purge Volume: 5.0 Operator:

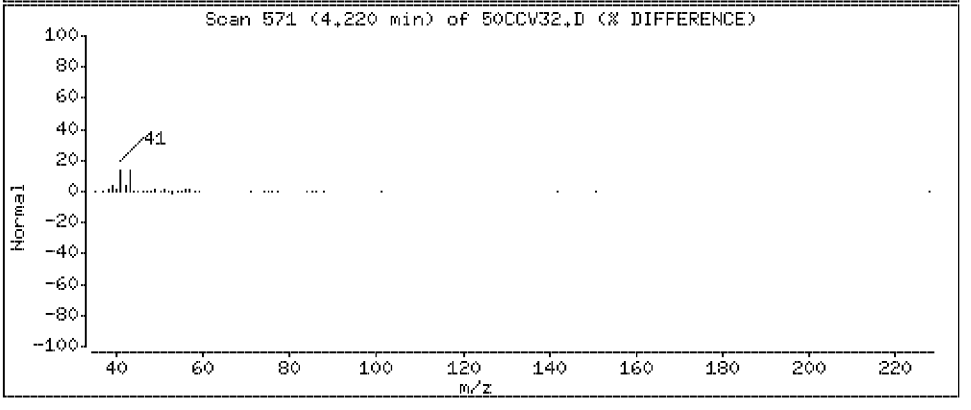
Column phase: DB-624 Column diameter: 0.18

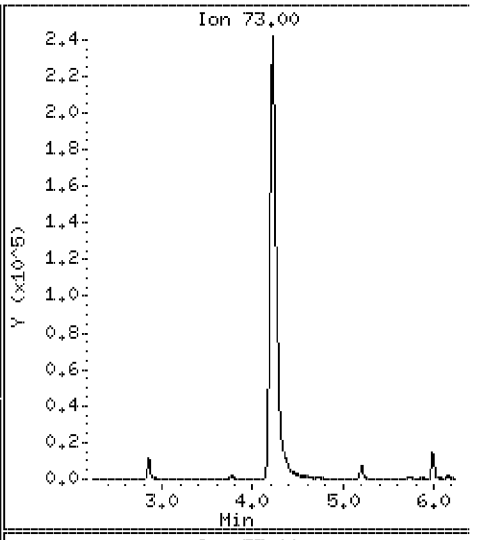
21 Methyl-tert-butyl ether Concentration: 53.0 ug/l

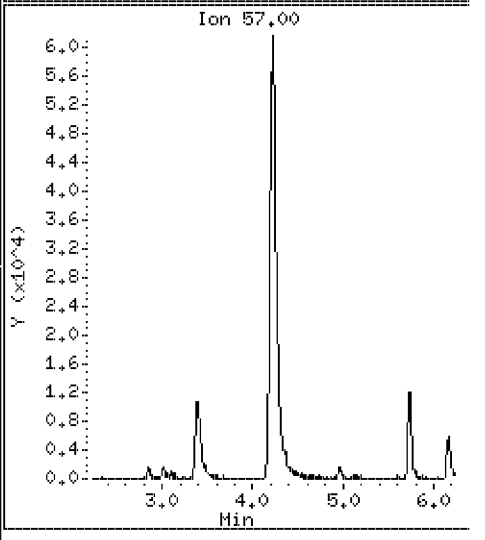












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

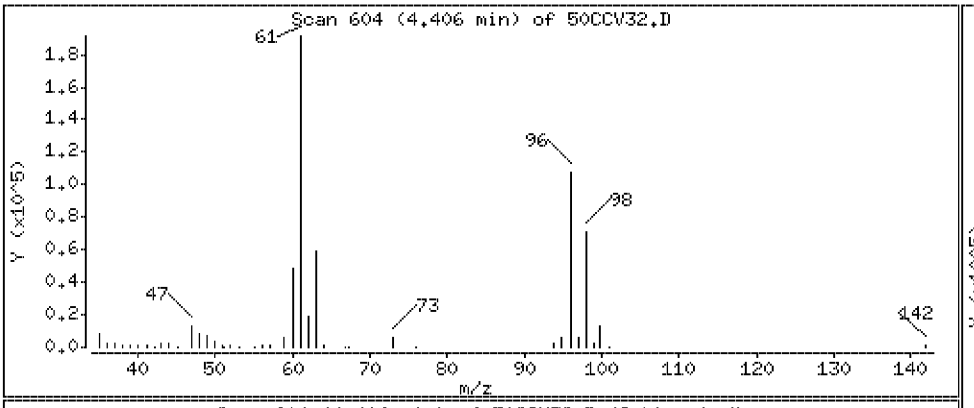
Client ID: 061807CCVA32 Instrument: vms03.i

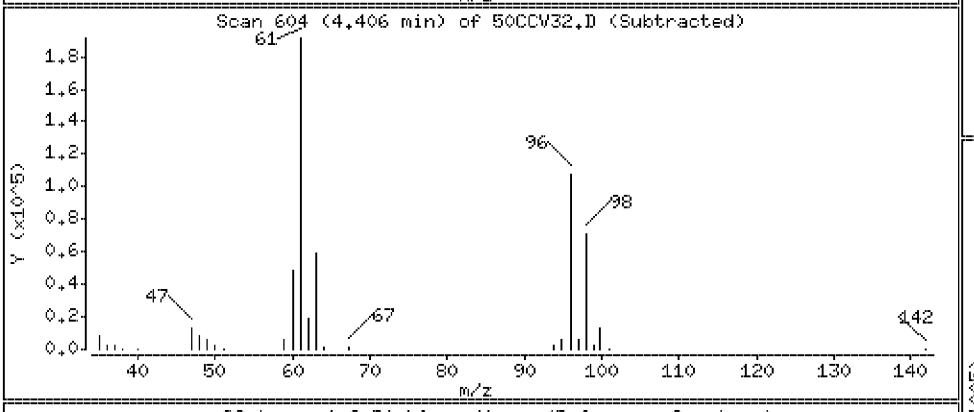
Sample Info: 061807CCVA32

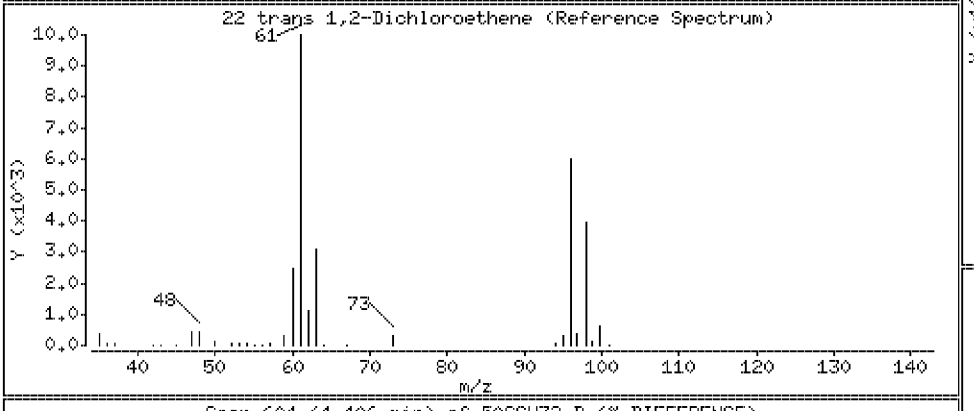
Purge Volume: 5.0 Operator:

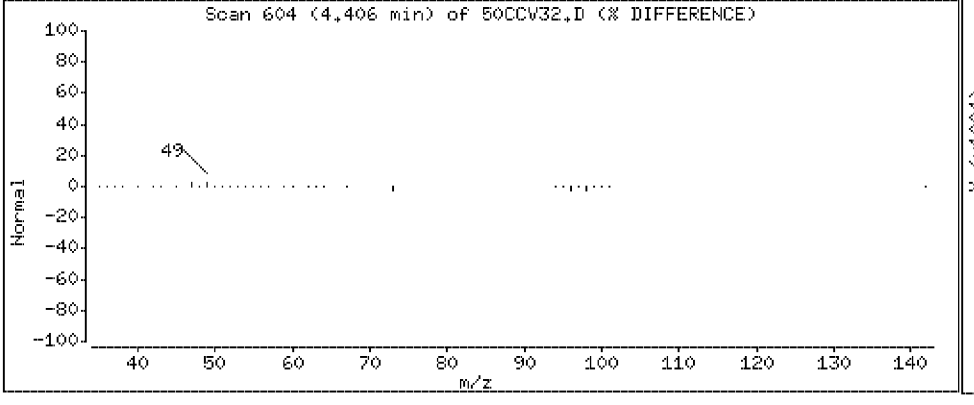
Column phase: DB-624 Column diameter: 0.18

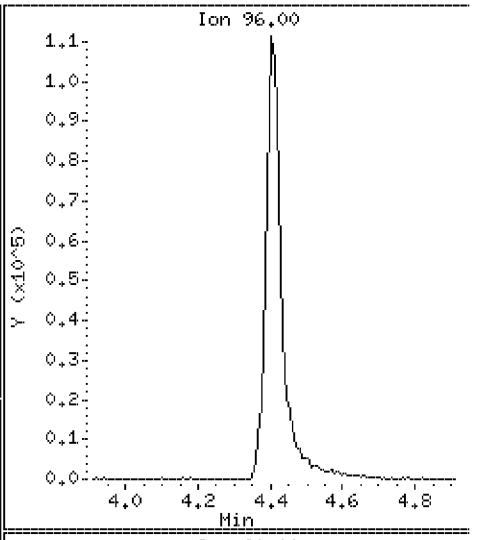
22 trans 1,2-Dichloroethene Concentration: 49.3 ug/l

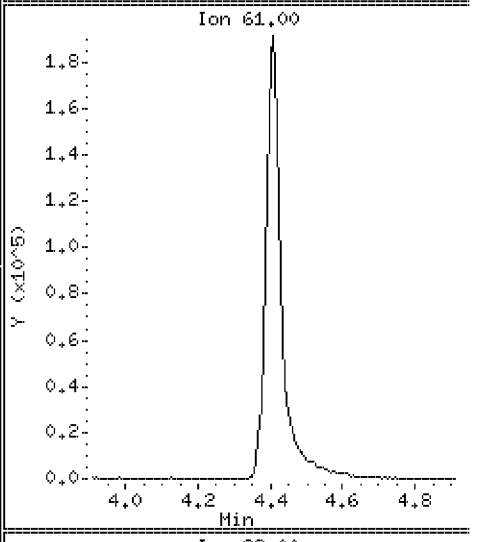


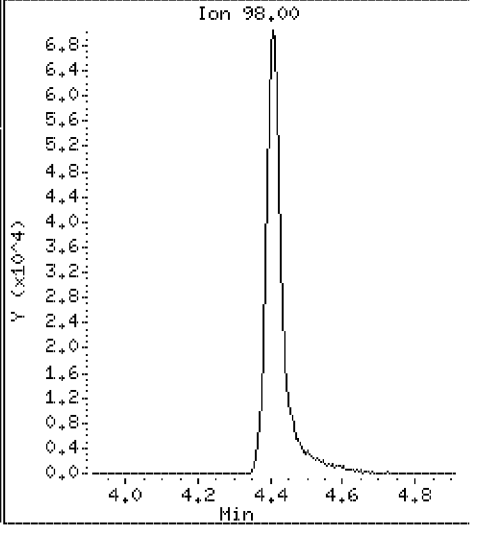












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

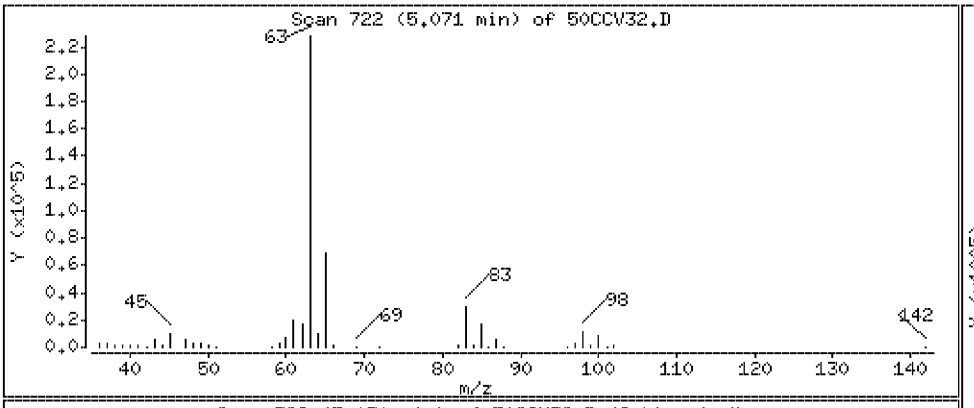
Client ID: 061807CCVA32 Instrument: vms03.i

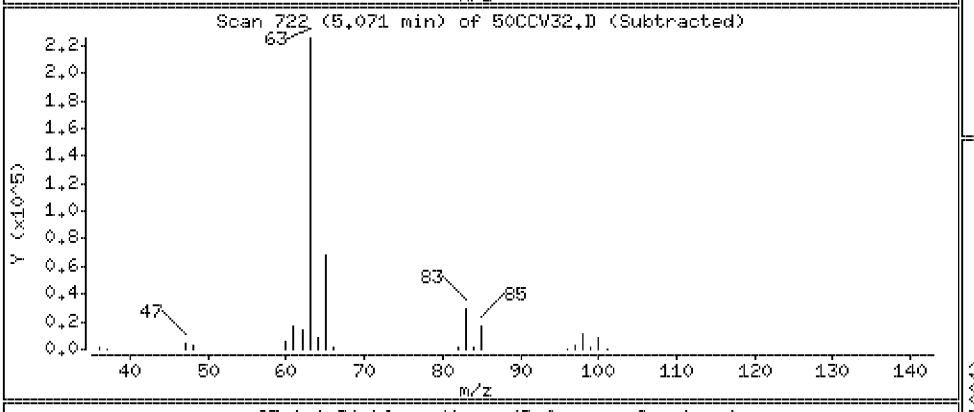
Sample Info: 061807CCVA32

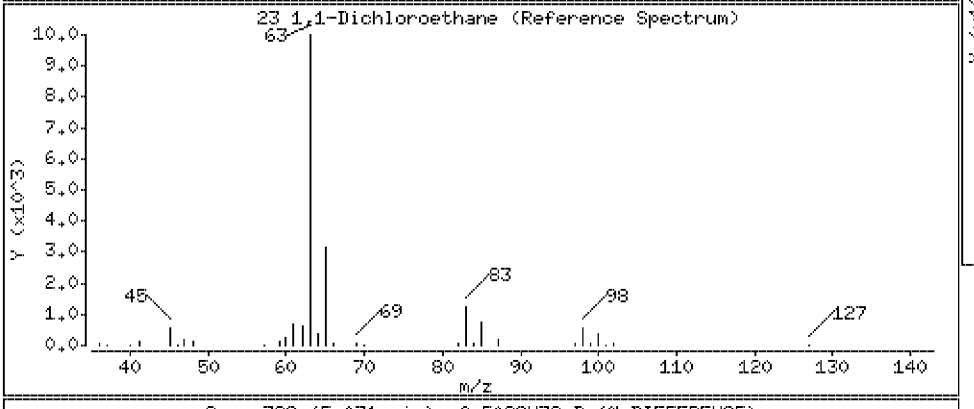
Purge Volume: 5.0 Operator:

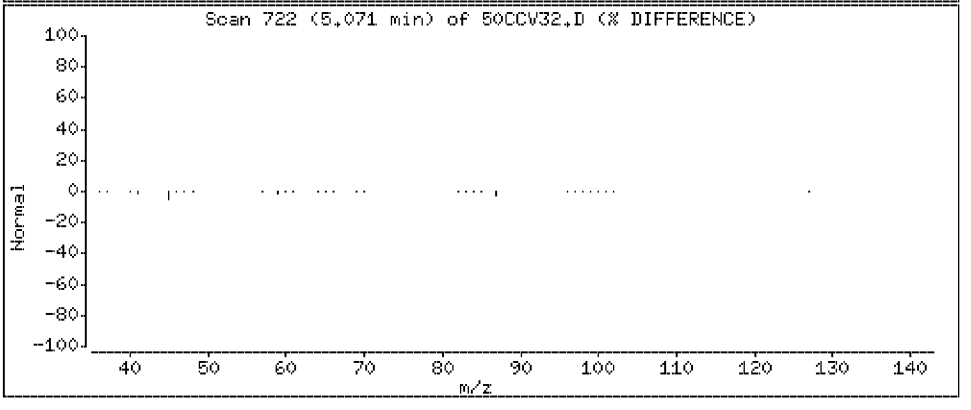
Column phase: DB-624 Column diameter: 0.18

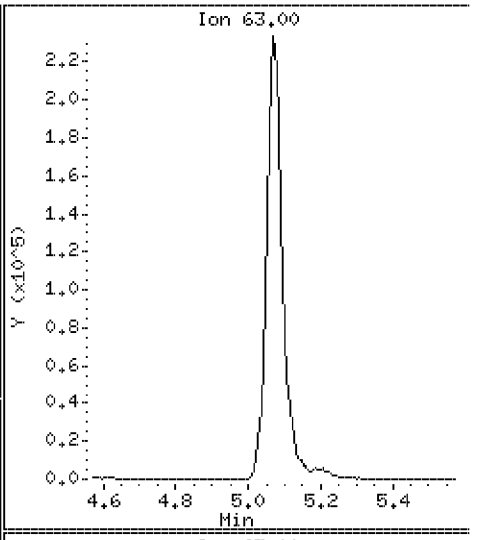
23 1,1-Dichloroethane Concentration: 47.1 ug/l

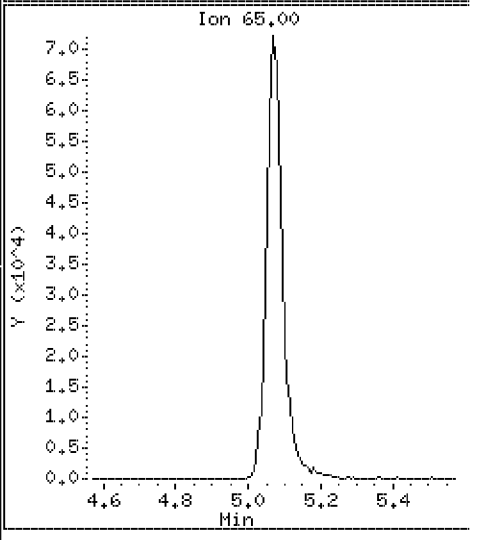












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

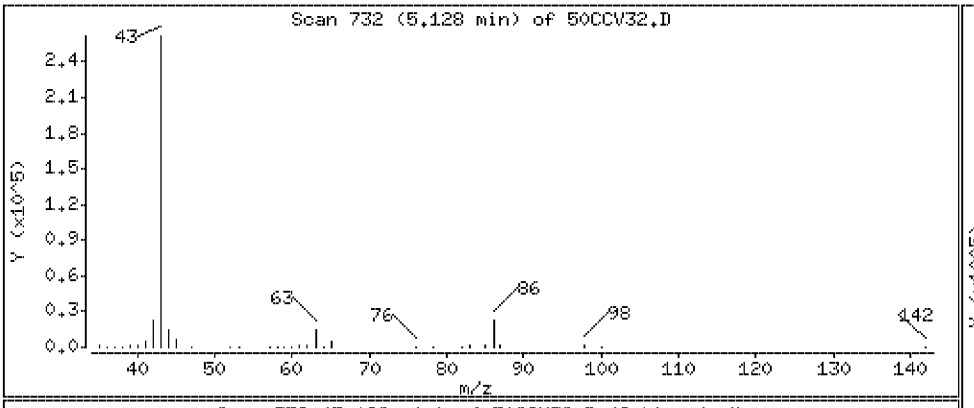
Client ID: 061807CCVA32 Instrument: vms03.i

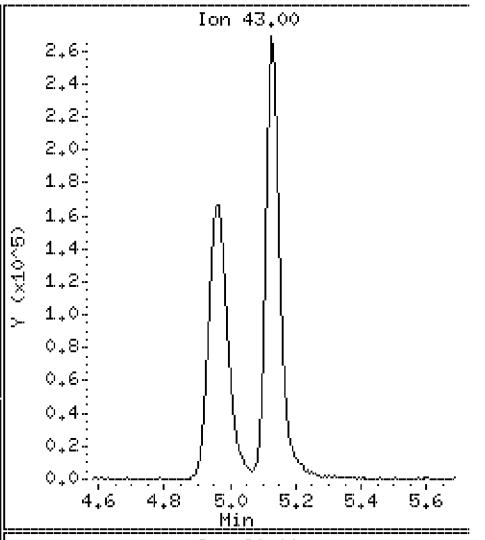
Sample Info: 061807CCVA32

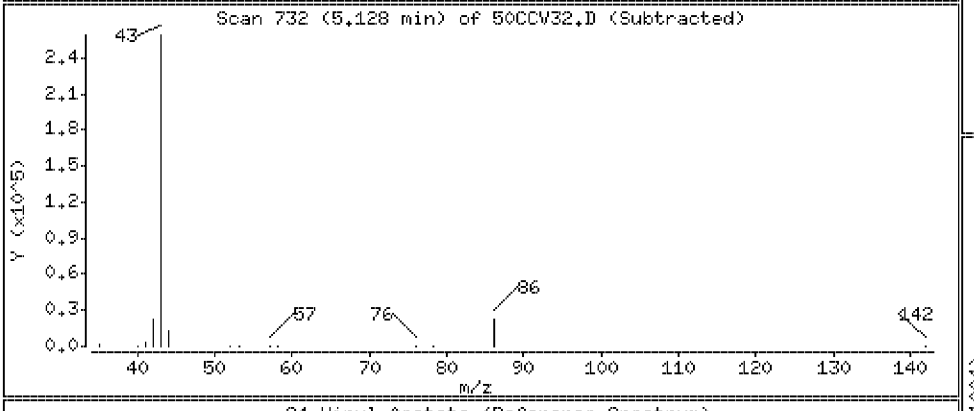
Purge Volume: 5.0 Operator:

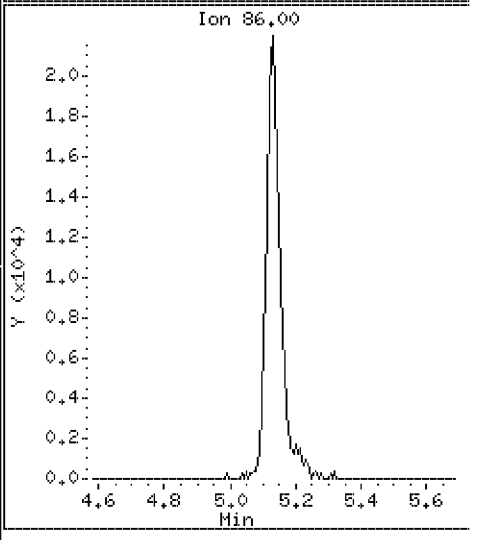
Column phase: DB-624 Column diameter: 0.18

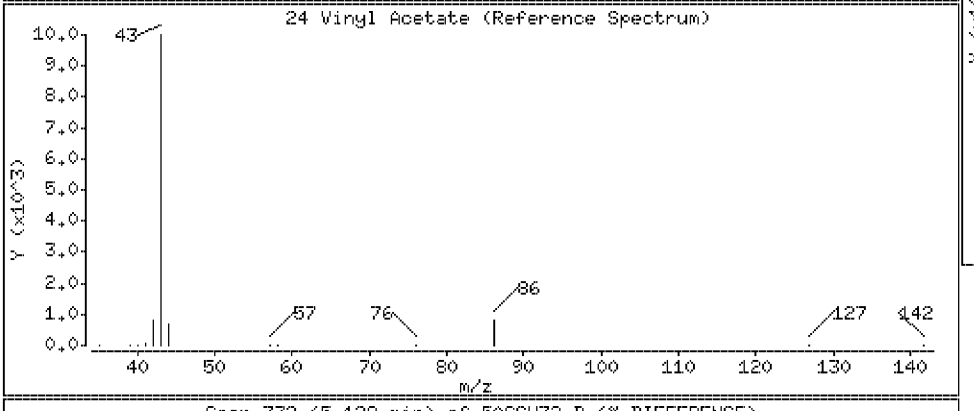
24 Vinyl Acetate Concentration: 50.0 ug/l

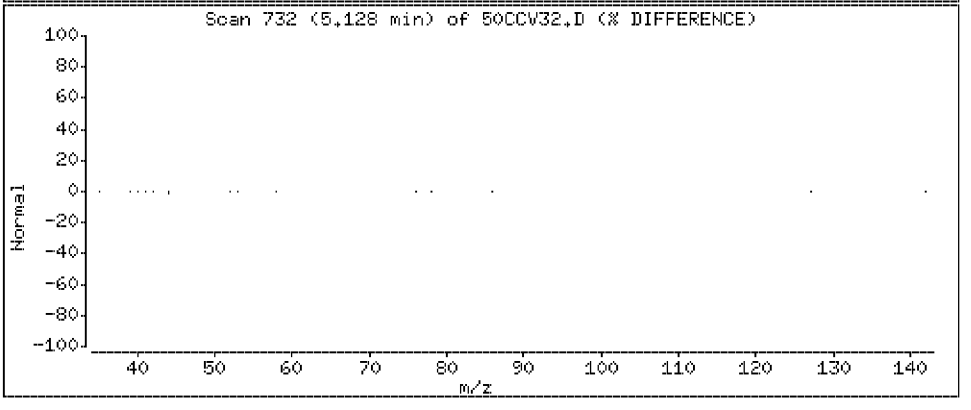












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

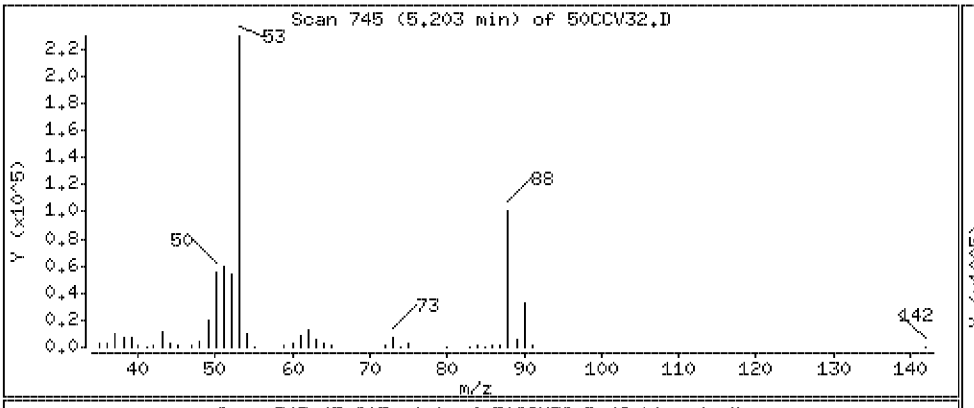
Client ID: 061807CCVA32 Instrument: vms03.i

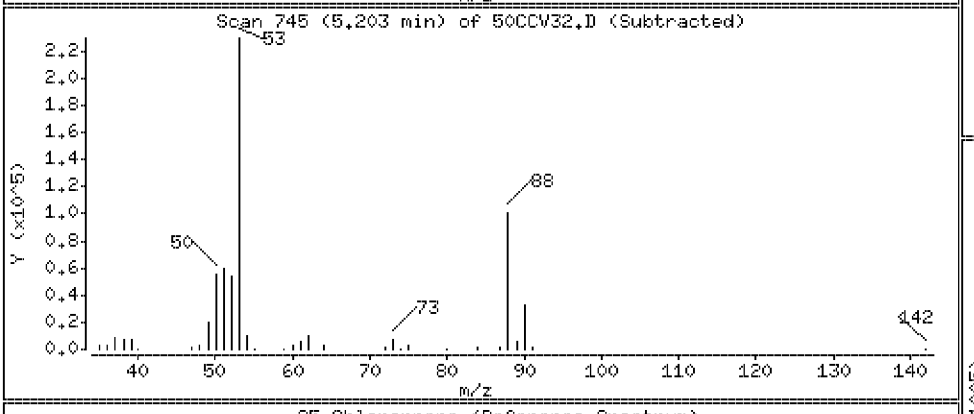
Sample Info: 061807CCVA32

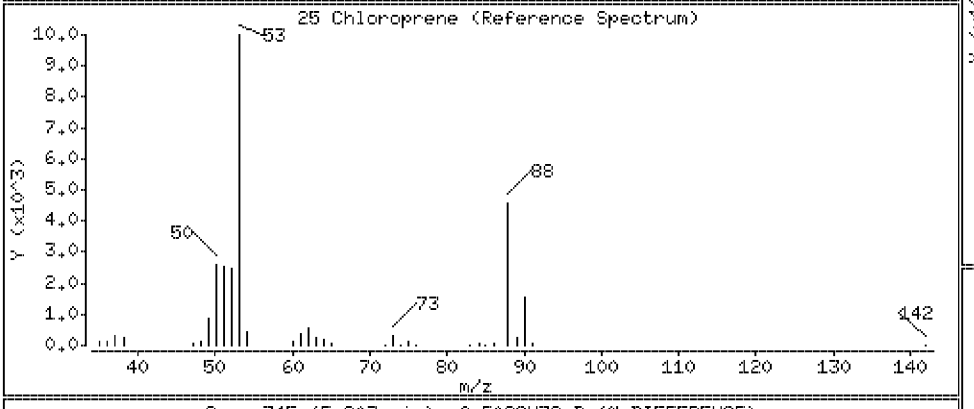
Purge Volume: 5.0 Operator:

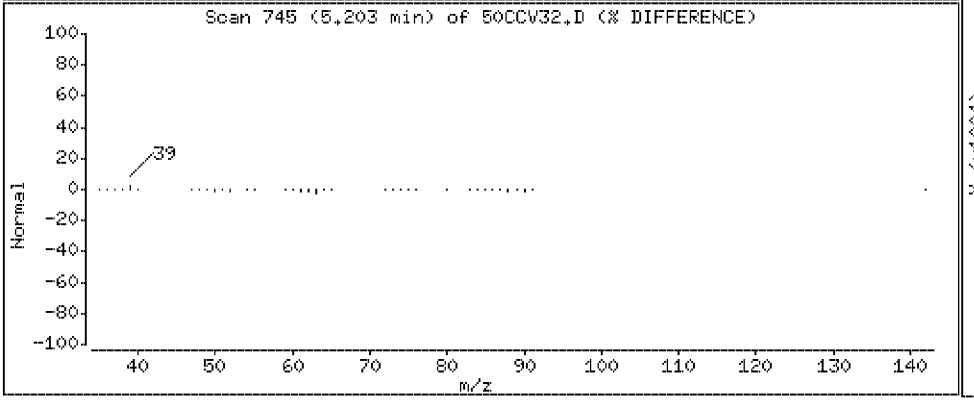
Column phase: DB-624 Column diameter: 0.18

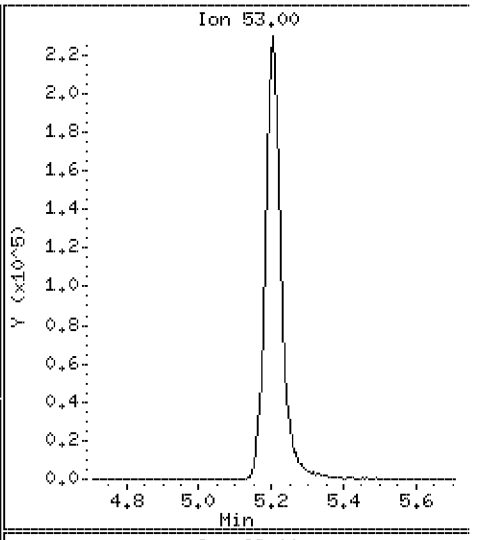
25 Chloroprene Concentration: 50.2 ug/l

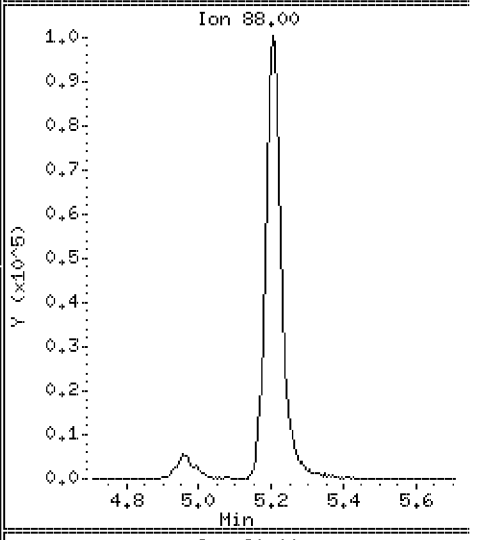


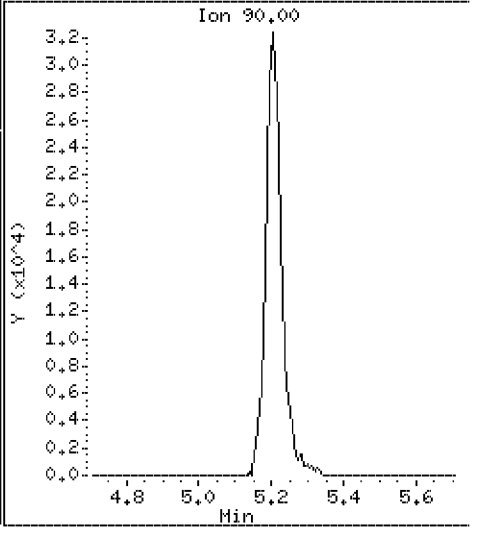












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

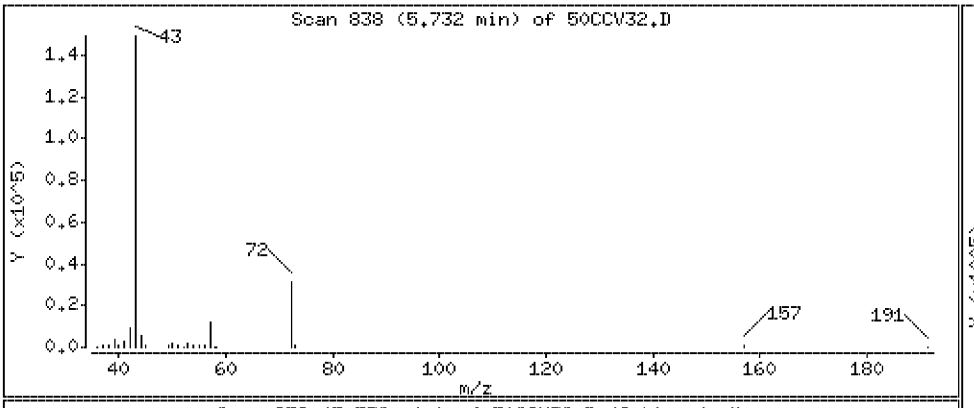
Client ID: 061807CCVA32 Instrument: vms03.i

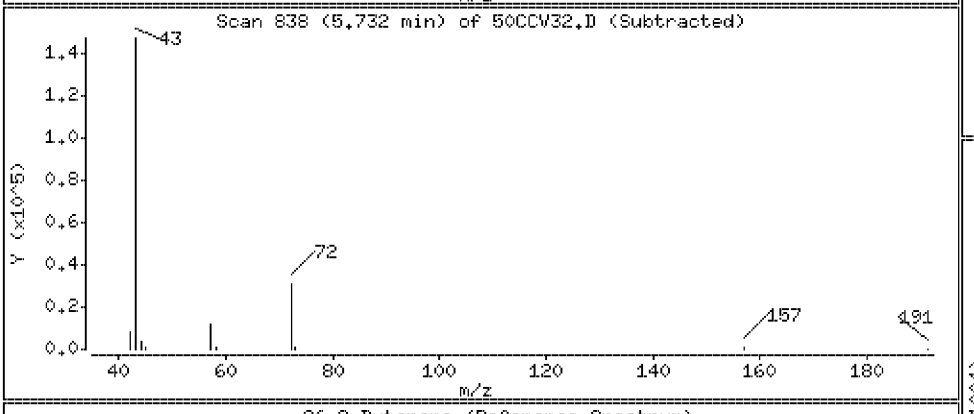
Sample Info: 061807CCVA32

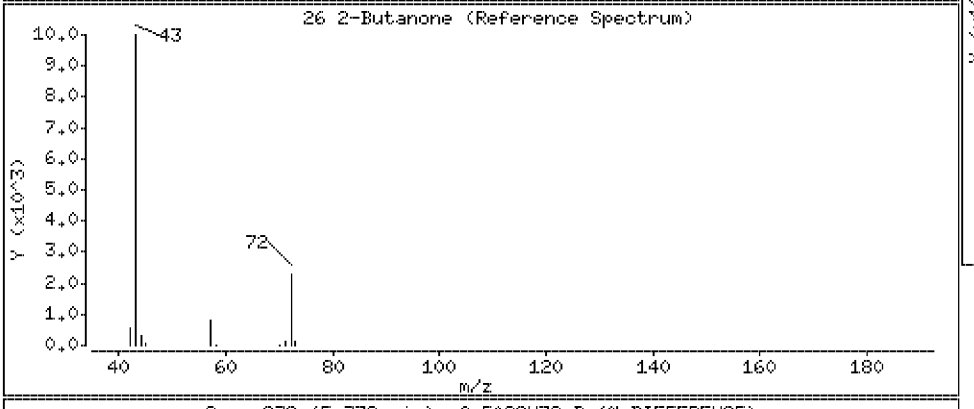
Purge Volume: 5.0 Operator:

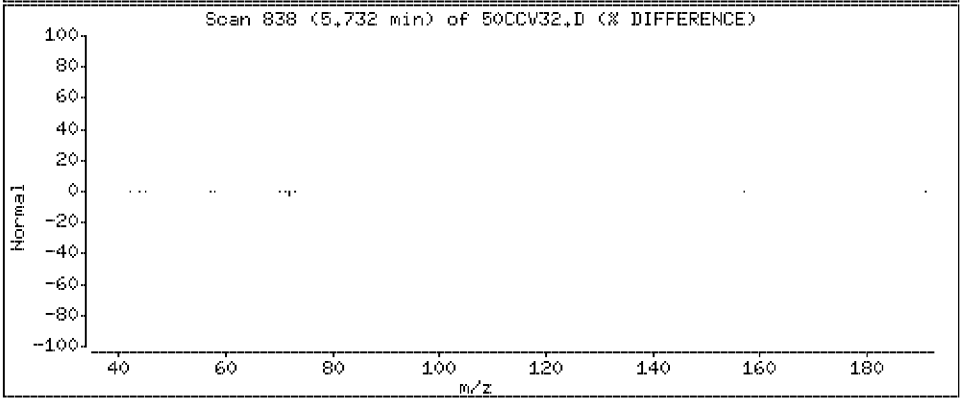
Column phase: DB-624 Column diameter: 0.18

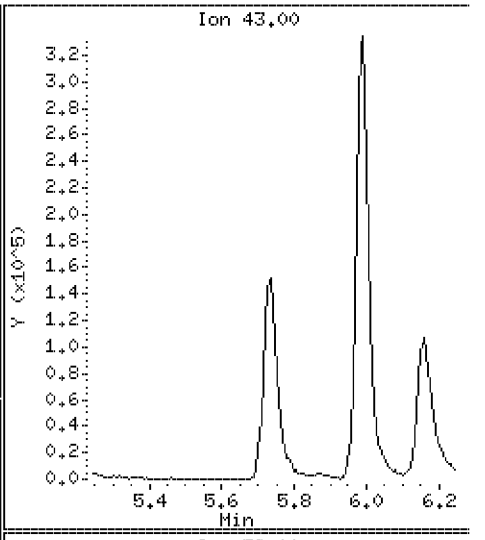
26 2-Butanone Concentration: 96.1 ug/l

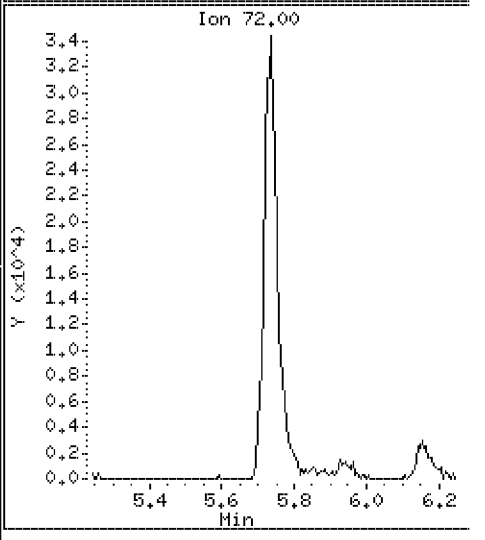












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

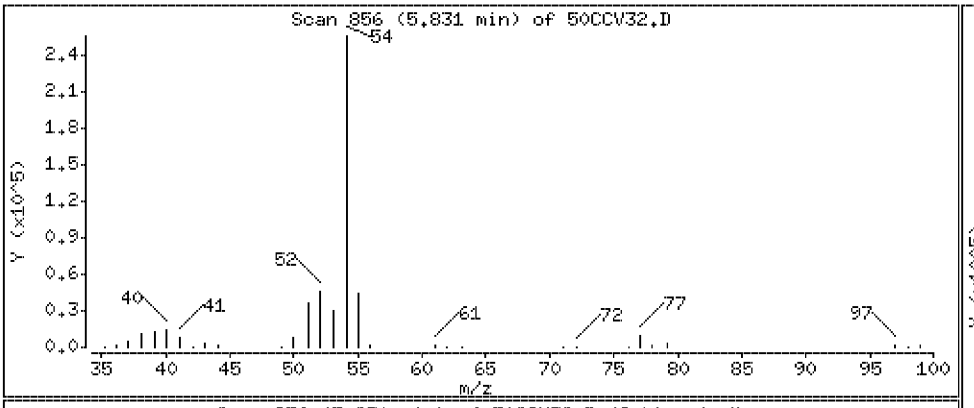
Client ID: 061807CCVA32 Instrument: vms03.i

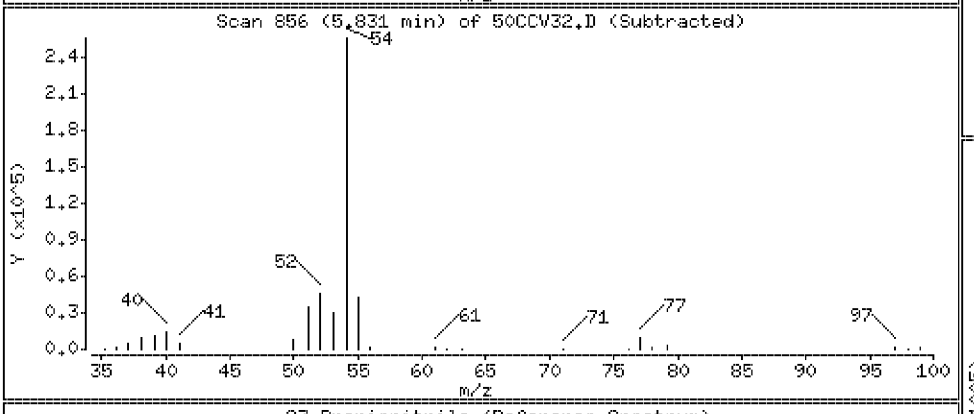
Sample Info: 061807CCVA32

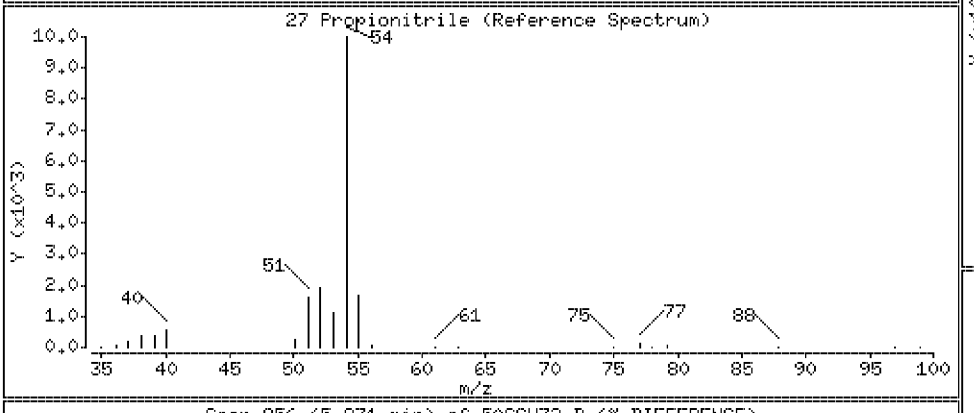
Purge Volume: 5.0 Operator:

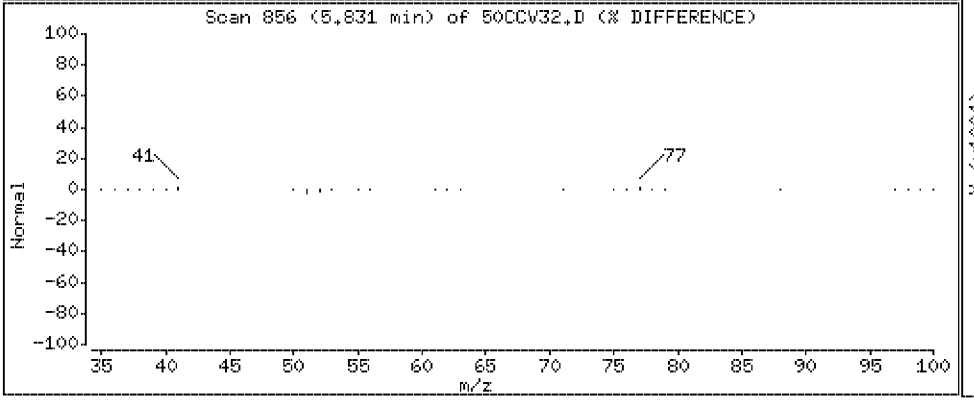
Column phase: DB-624 Column diameter: 0.18

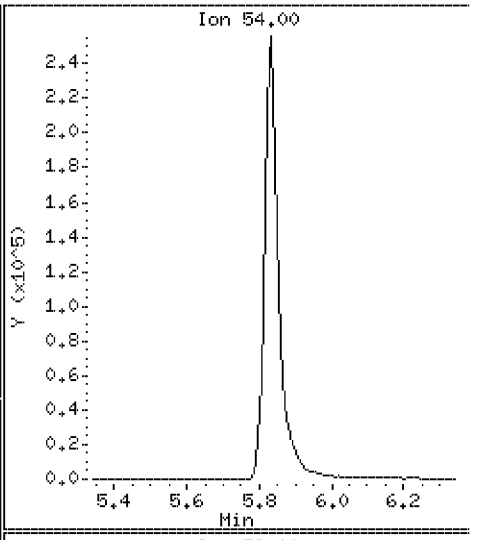
27 Propionitrile Concentration: 495 ug/l

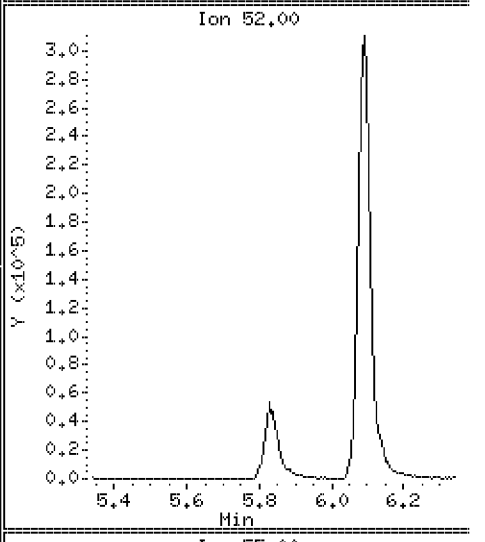


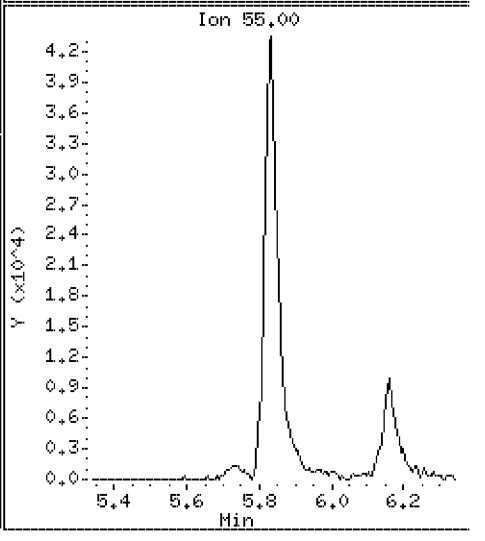












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

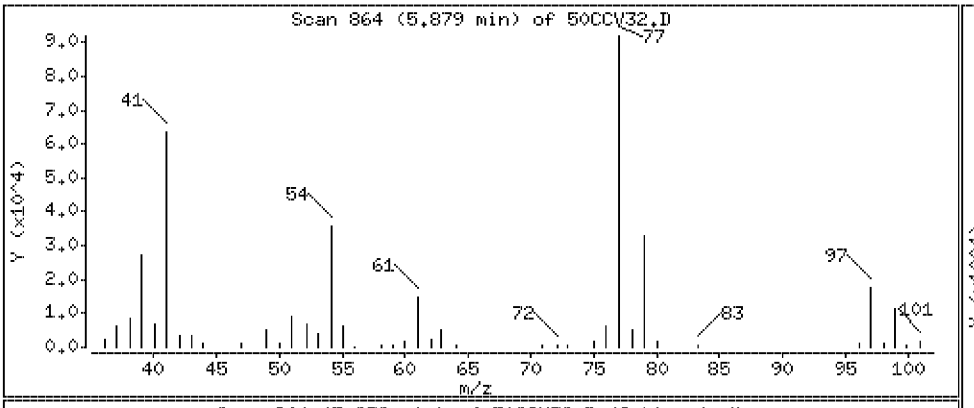
Client ID: 061807CCVA32 Instrument: vms03.i

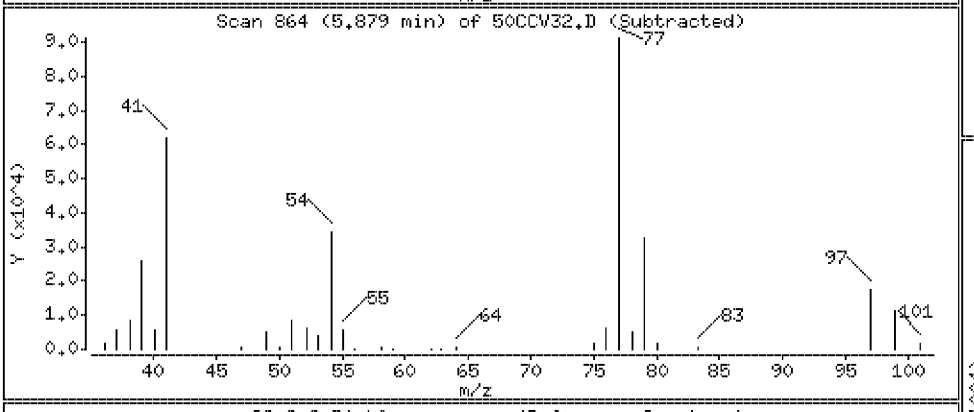
Sample Info: 061807CCVA32

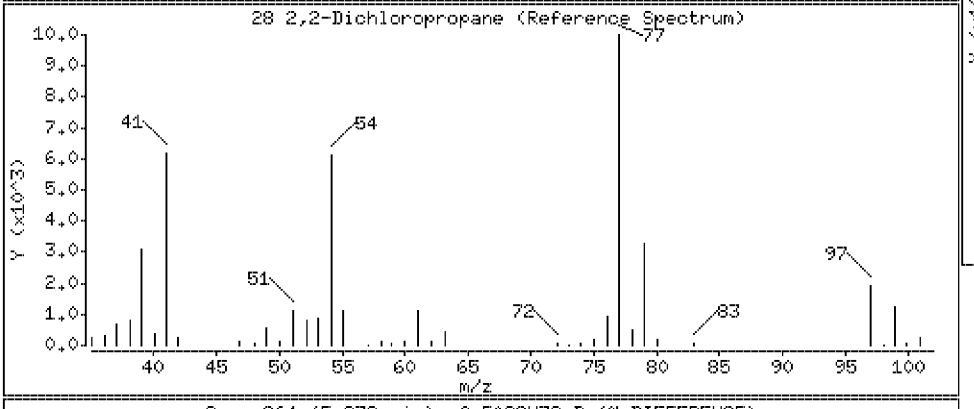
Purge Volume: 5.0 Operator:

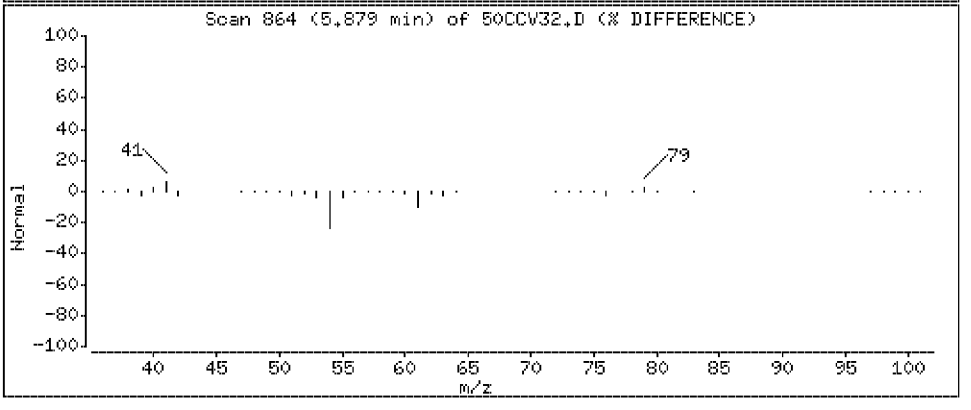
Column phase: DB-624 Column diameter: 0.18

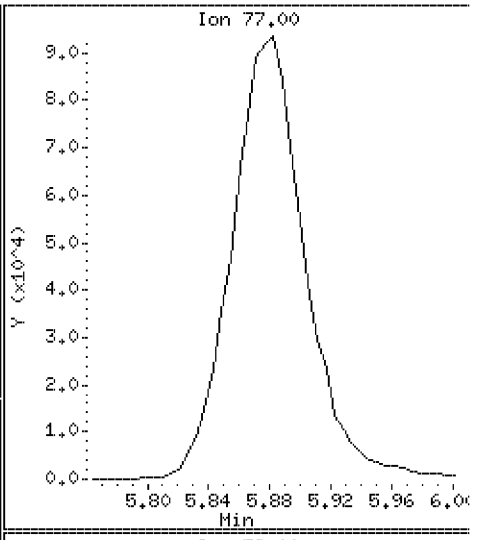
28 2,2-Dichloropropane Concentration: 43.1 ug/l

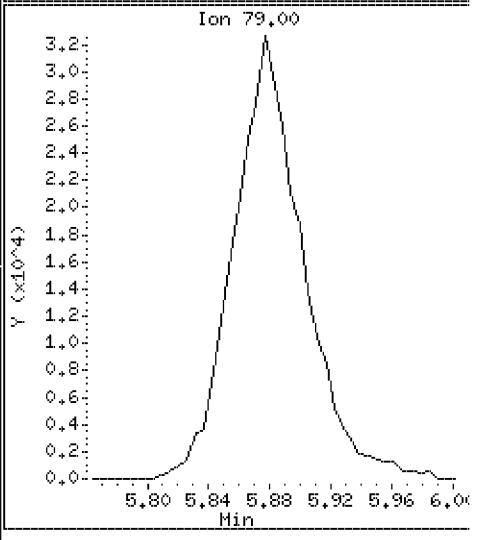












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

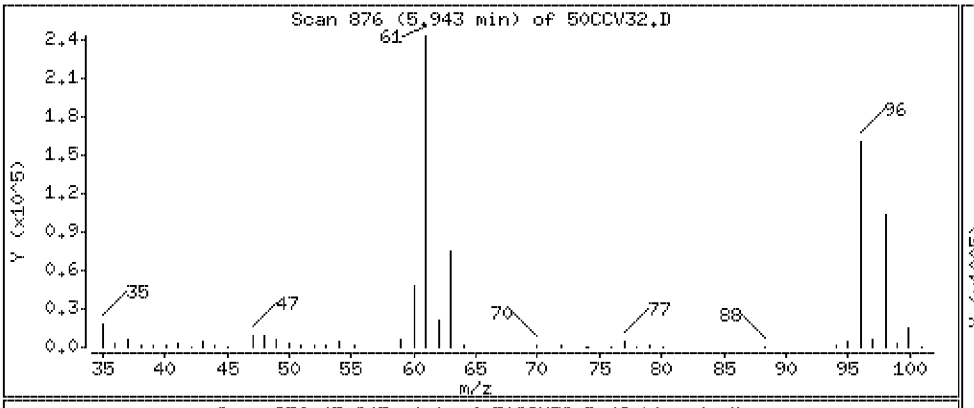
Client ID: 061807CCVA32 Instrument: vms03.i

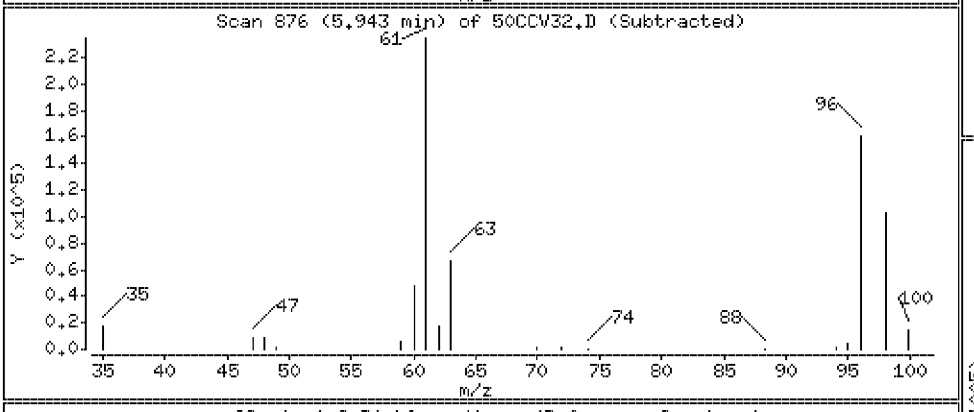
Sample Info: 061807CCVA32

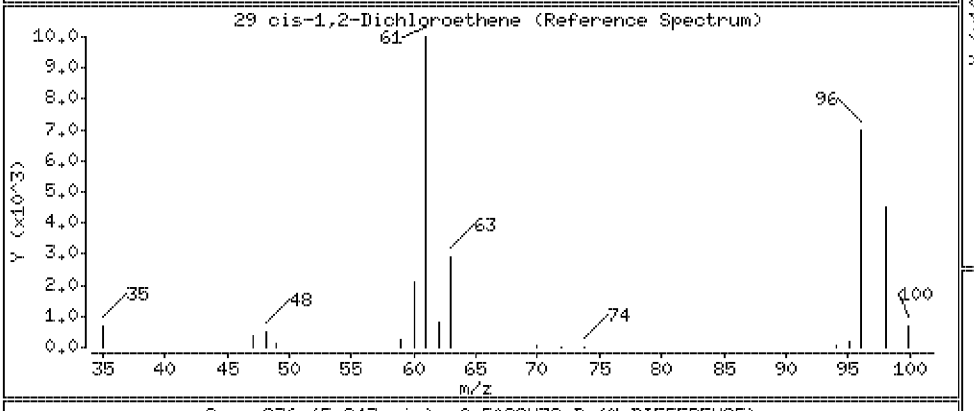
Purge Volume: 5.0 Operator:

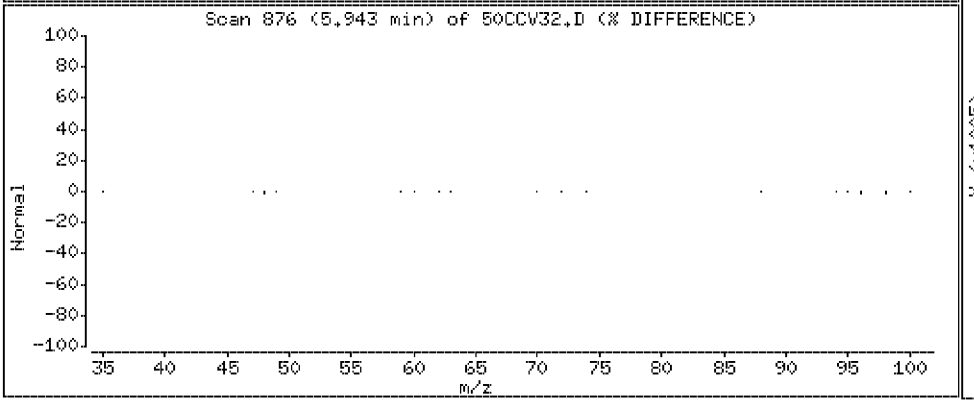
Column phase: DB-624 Column diameter: 0.18

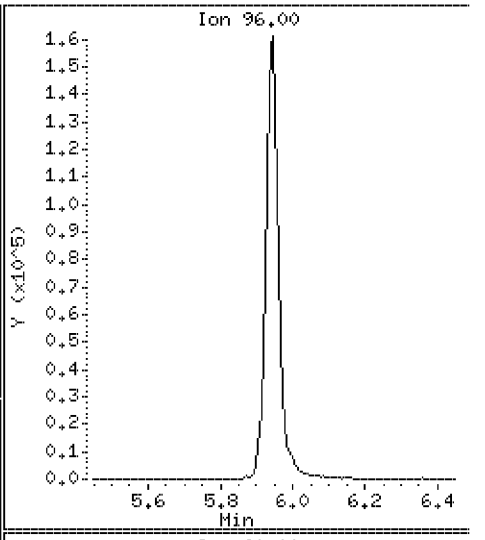
29 cis-1,2-Dichloroethene Concentration: 49.3 ug/l

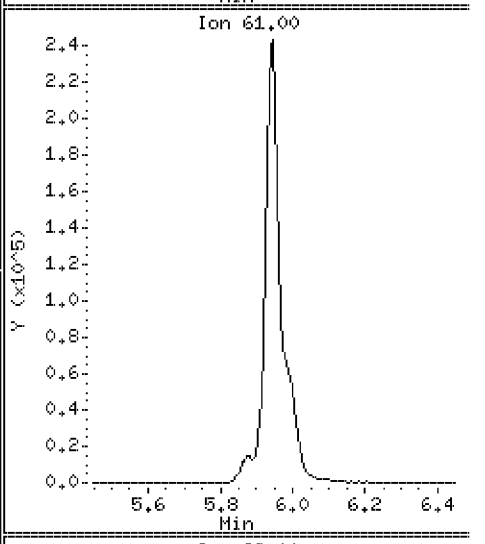


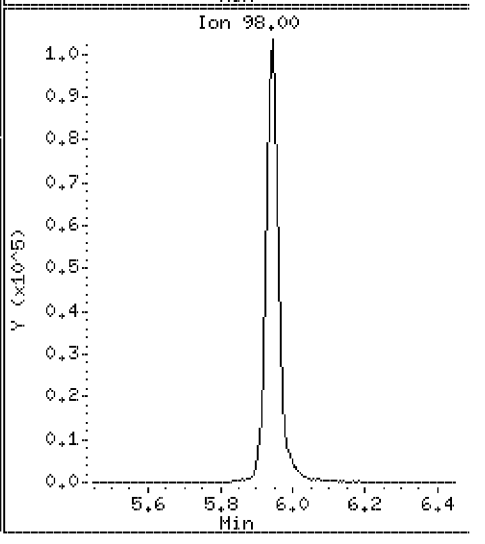












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

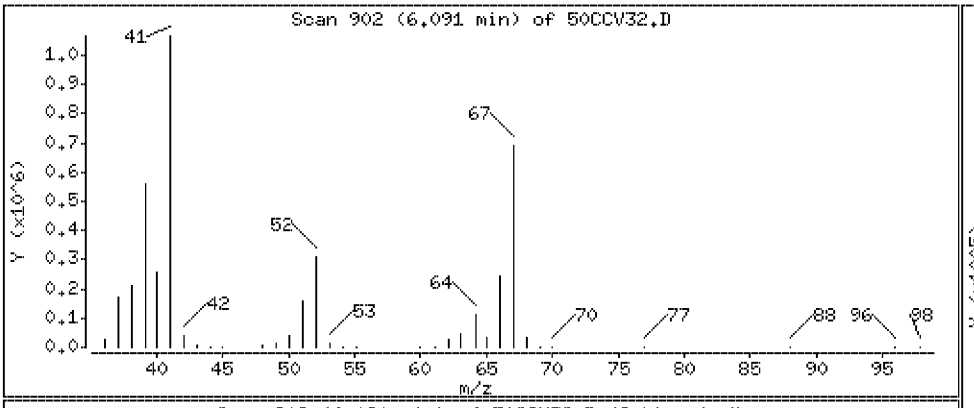
Client ID: 061807CCVA32 Instrument: vms03.i

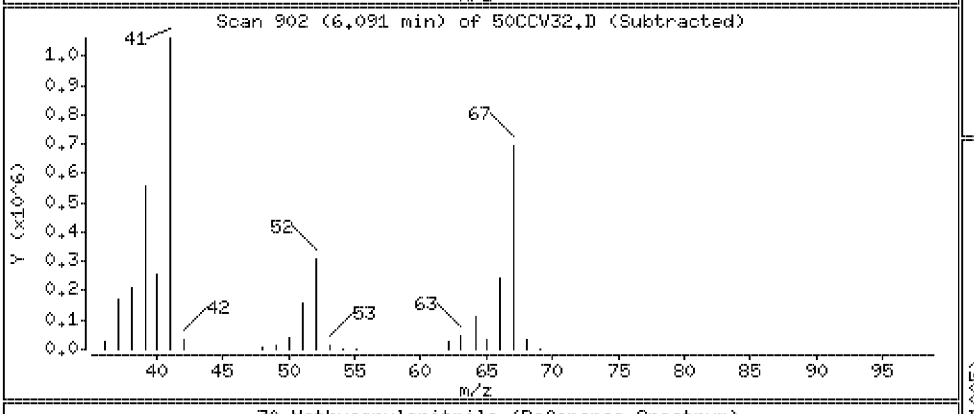
Sample Info: 061807CCVA32

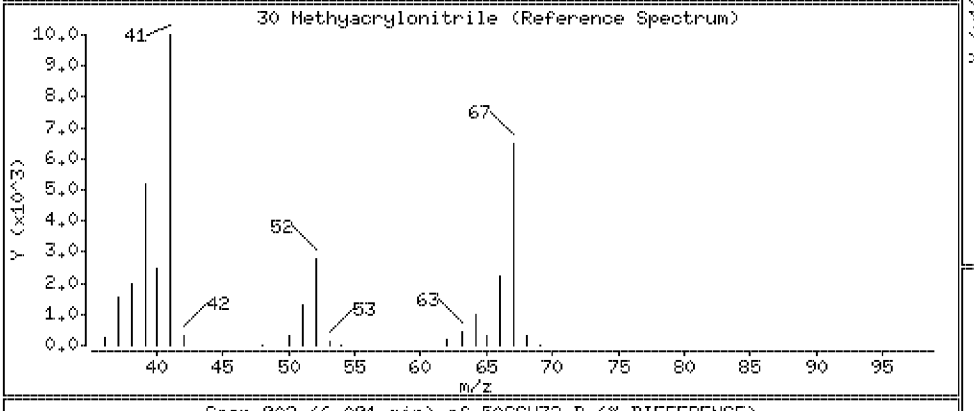
Purge Volume: 5.0 Operator:

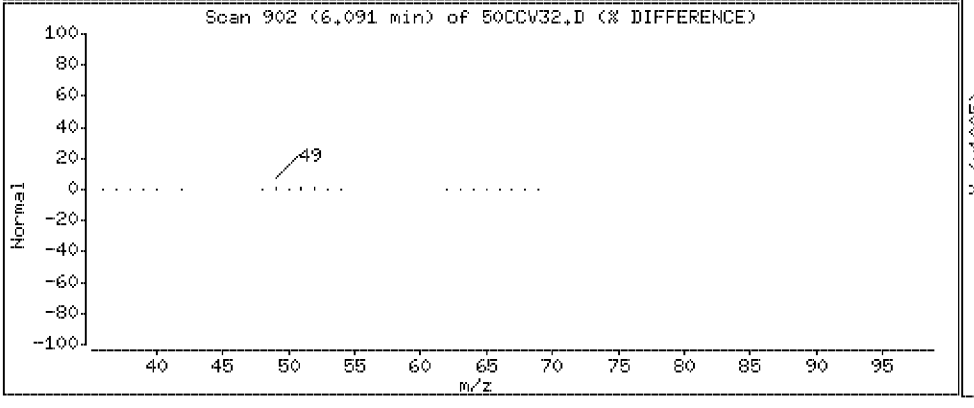
Column phase: DB-624 Column diameter: 0.18

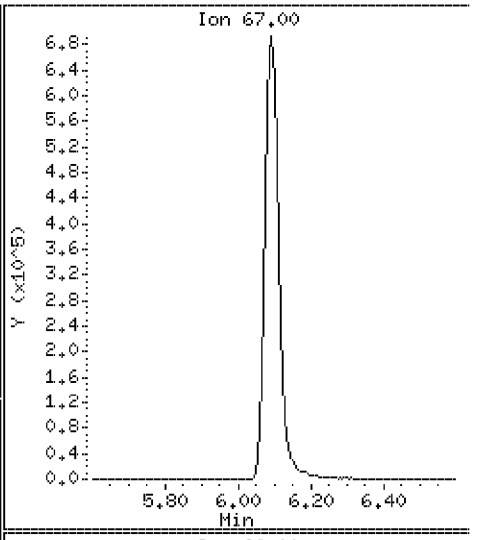
30 Methyacrylonitrile Concentration: 498 ug/l

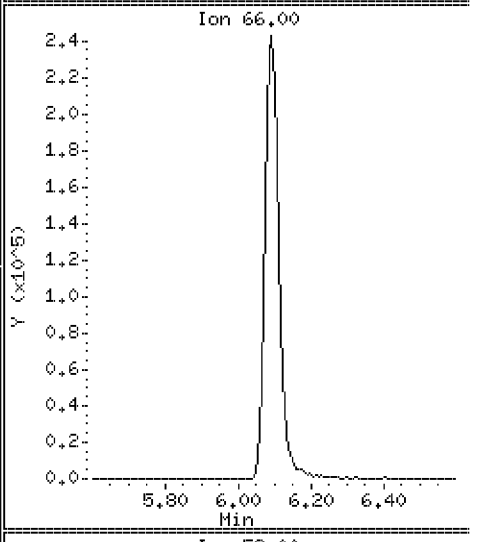


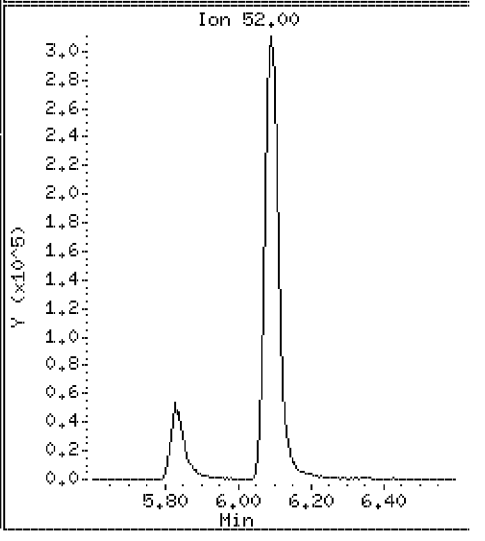












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

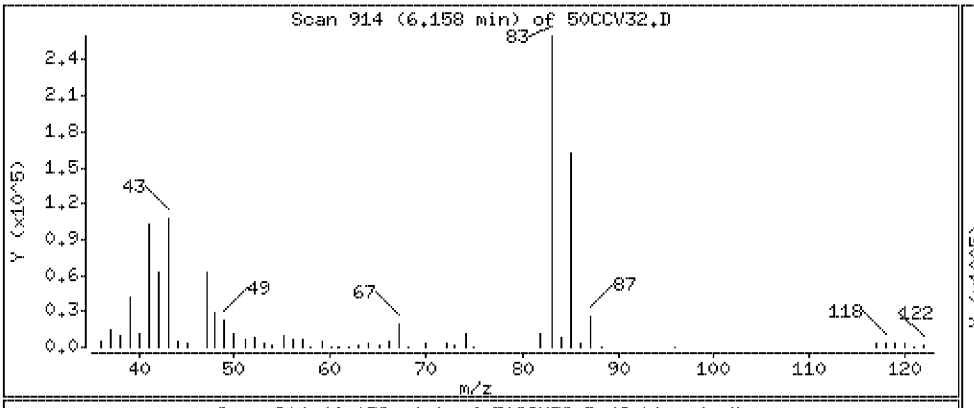
Client ID: 061807CCVA32 Instrument: vms03.i

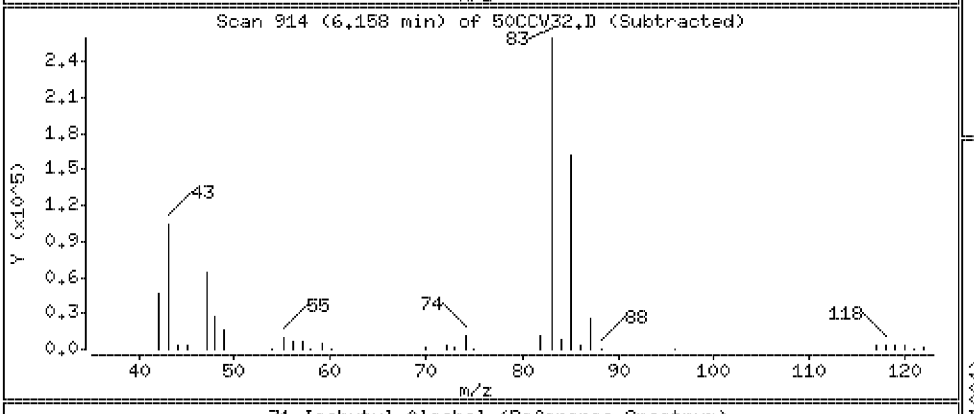
Sample Info: 061807CCVA32

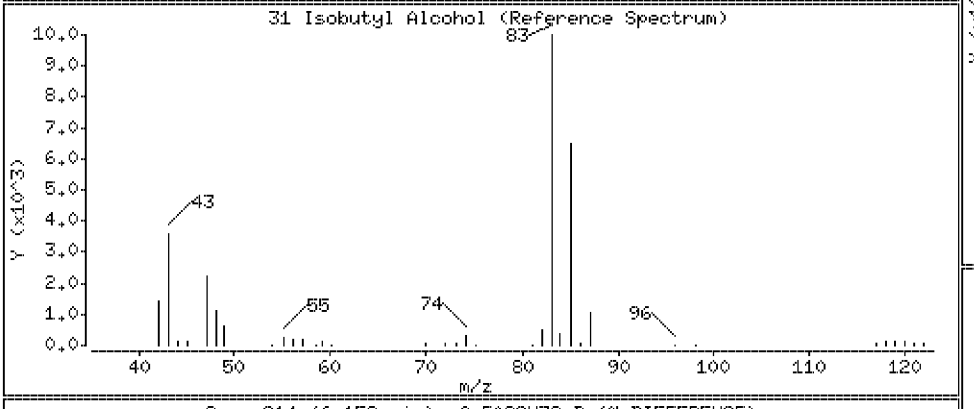
Purge Volume: 5.0 Operator:

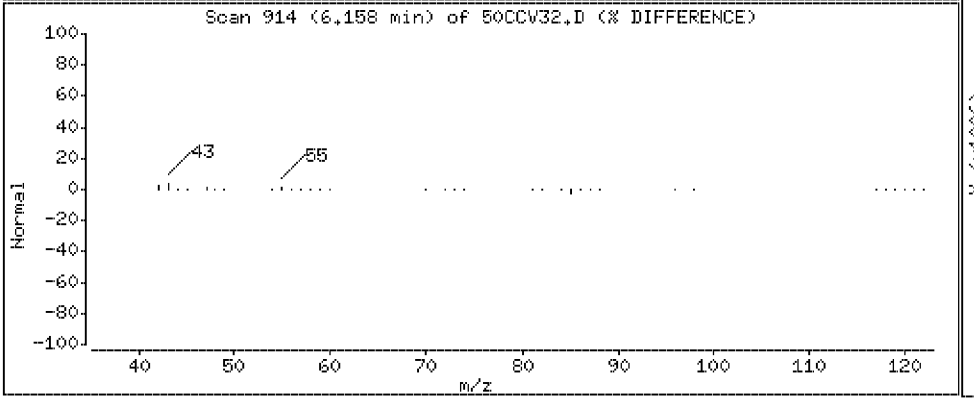
Column phase: DB-624 Column diameter: 0.18

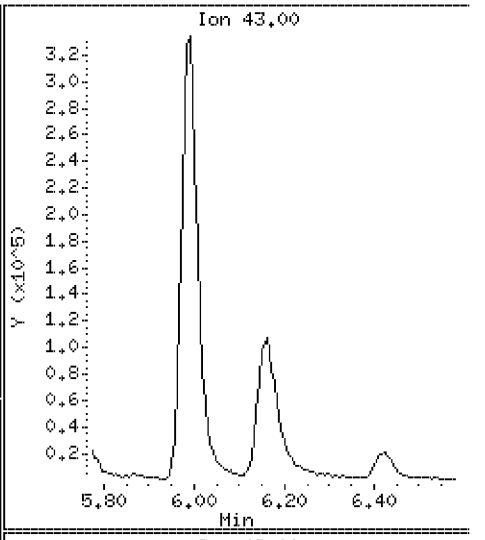
31 Isobutyl Alcohol Concentration: 1040 ug/l

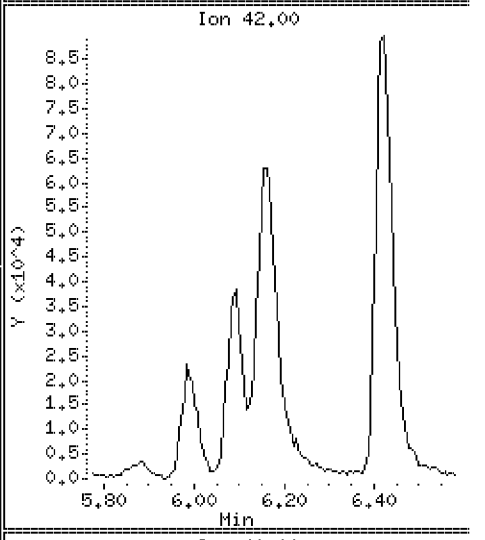


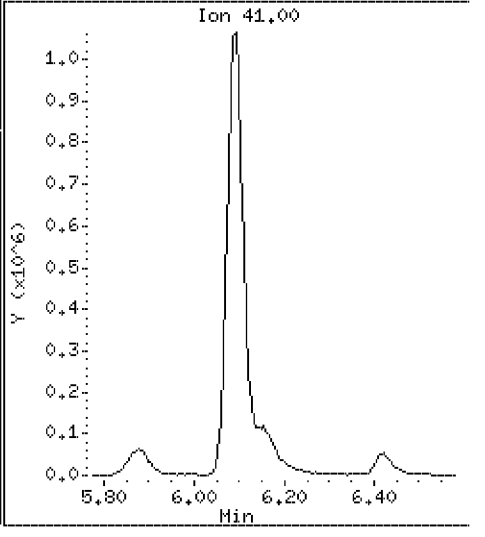












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

Client ID: 061807CCVA32

Instrument: vms03.i

Sample Info: 061807CCVA32

Purge Volume: 5.0

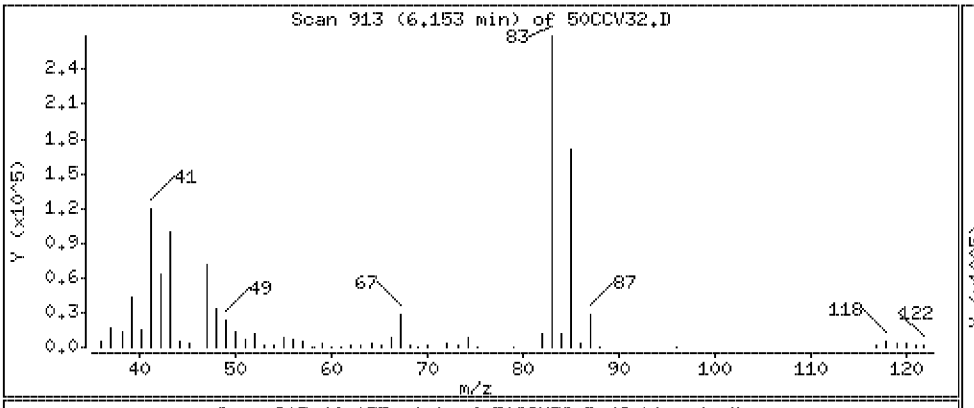
Operator:

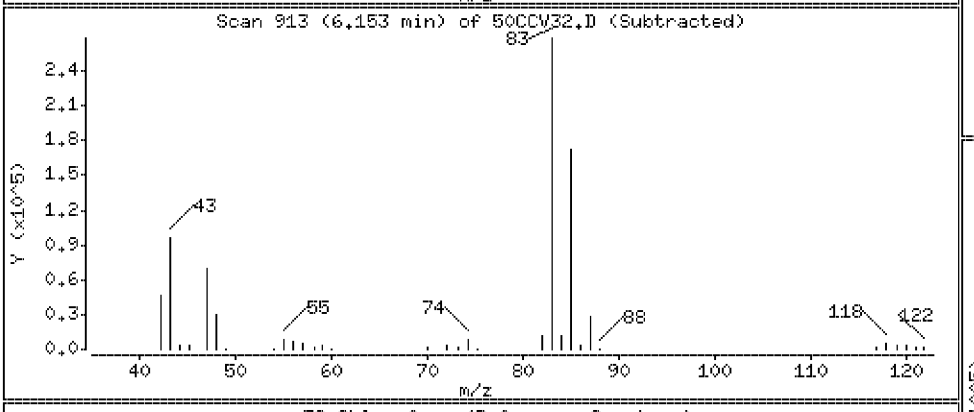
Column phase: DB-624

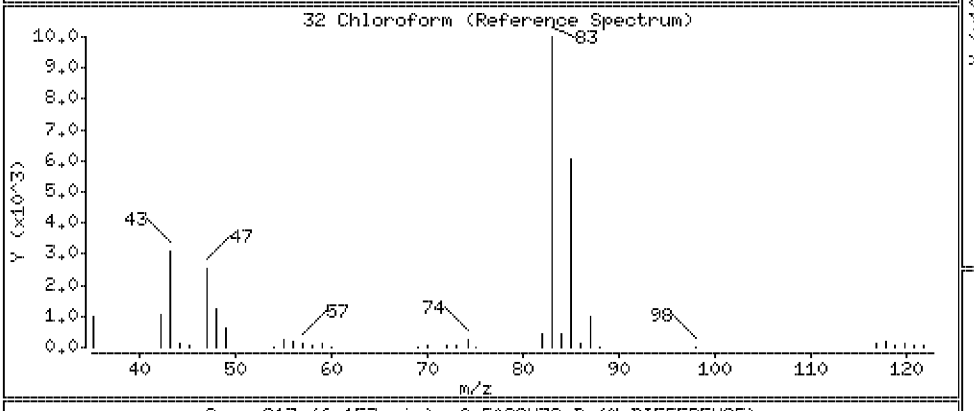
Column diameter: 0.18

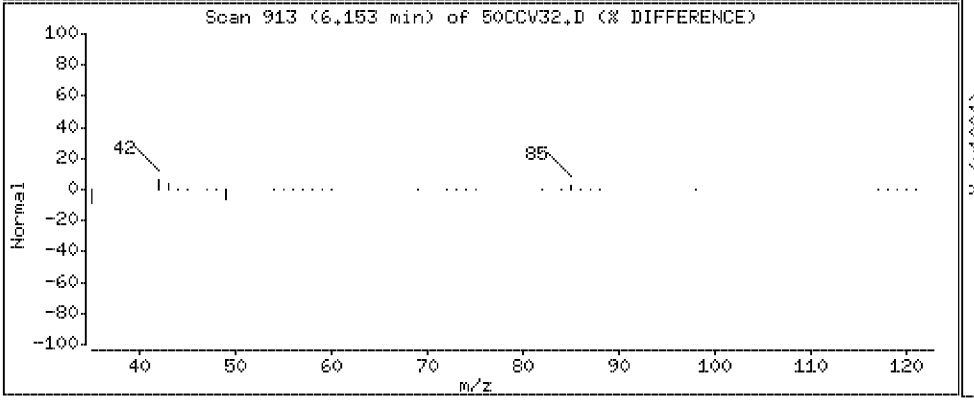
32 Chloroform

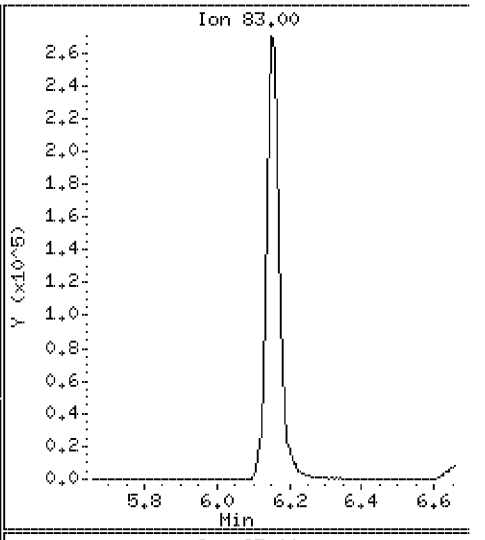
Concentration: 47.7 ug/l

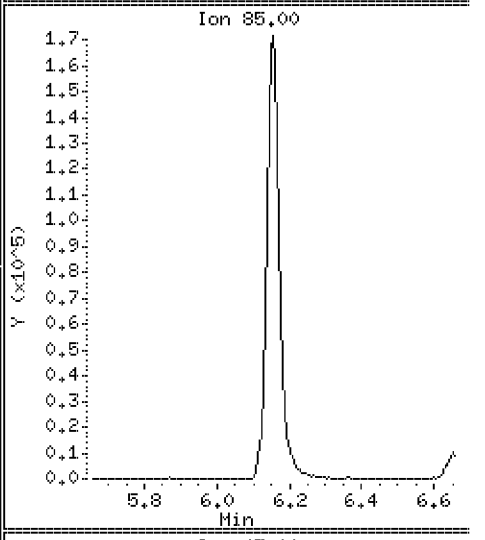


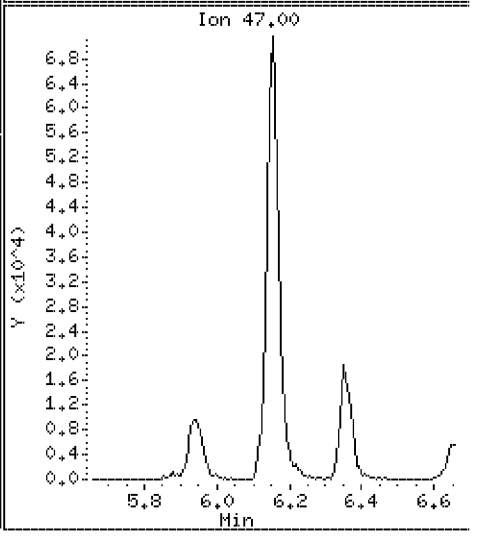












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

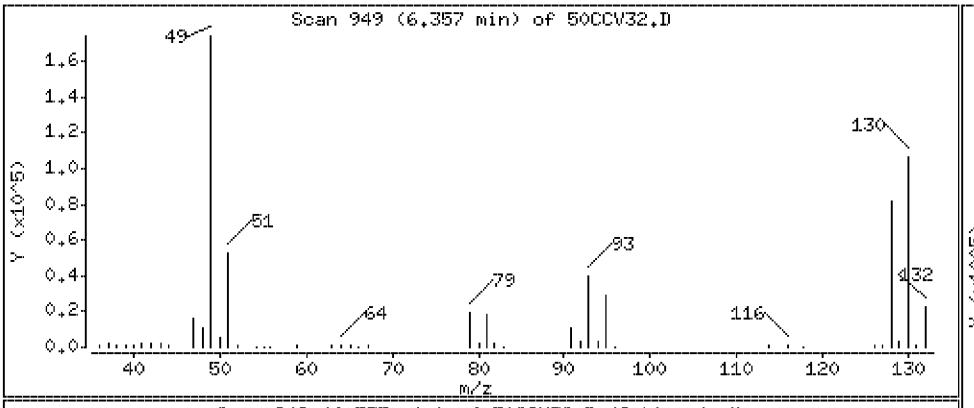
Client ID: 061807CCVA32 Instrument: vms03.i

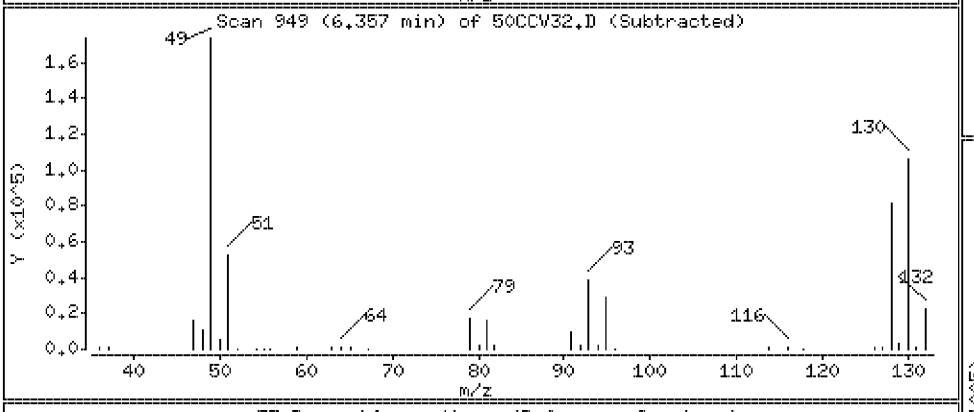
Sample Info: 061807CCVA32

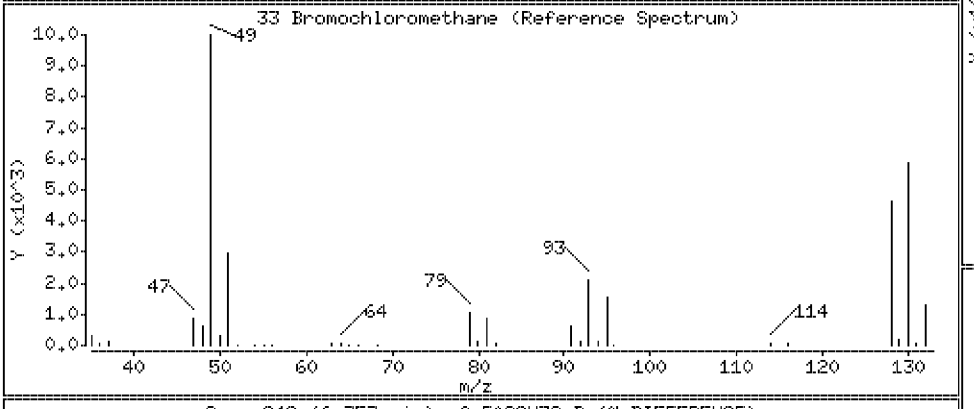
Purge Volume: 5.0 Operator:

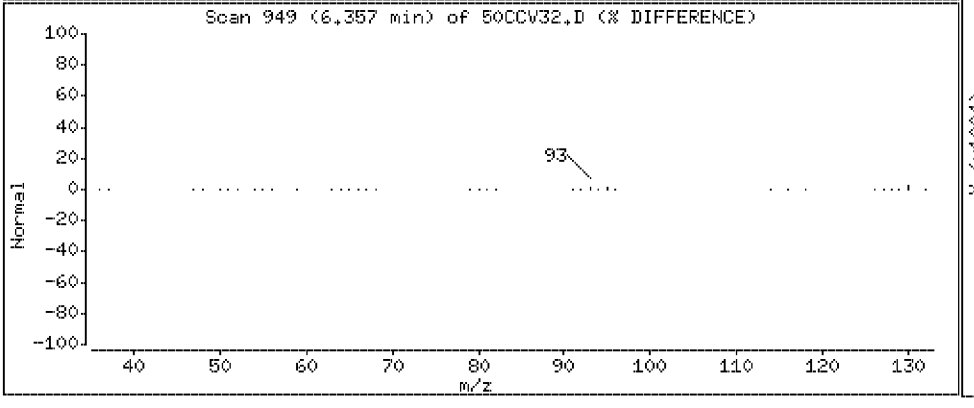
Column phase: DB-624 Column diameter: 0.18

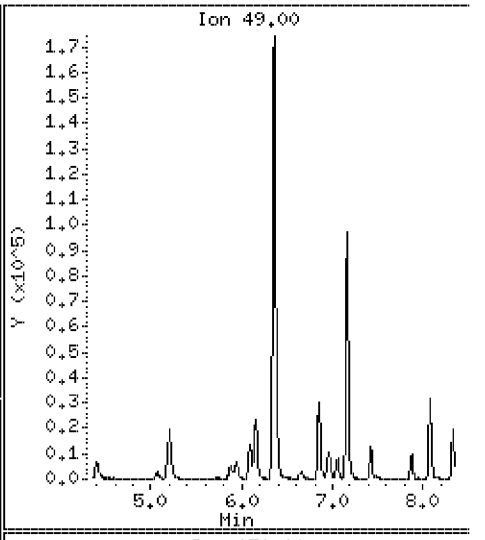
33 Bromochloromethane Concentration: 48.7 ug/l

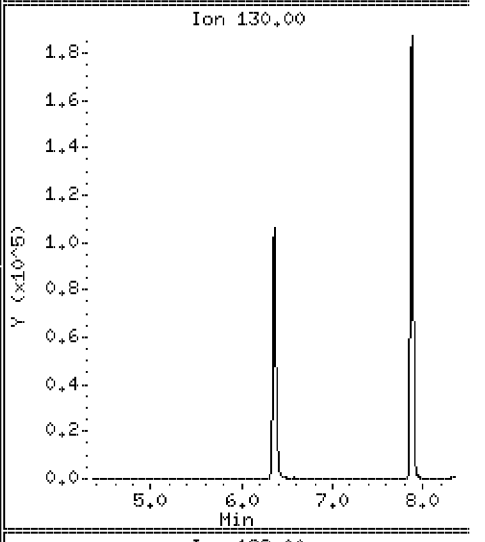


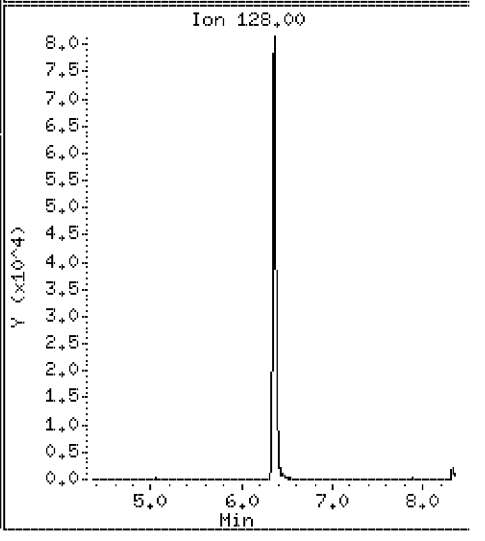












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

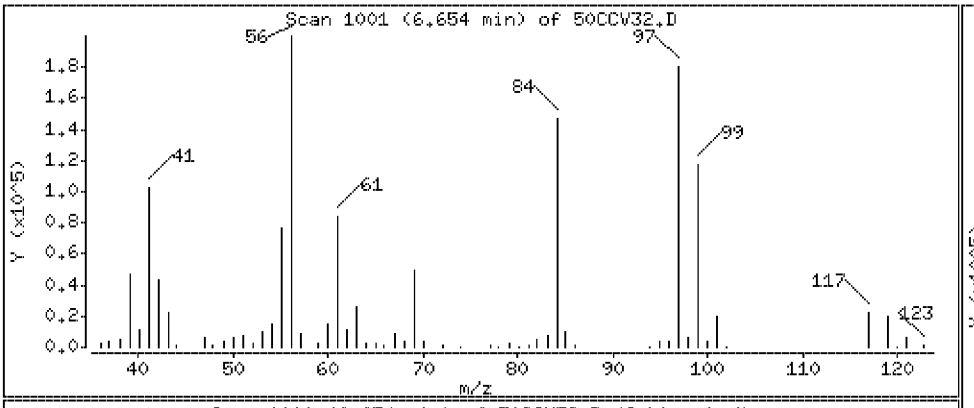
Client ID: 061807CCVA32 Instrument: vms03.i

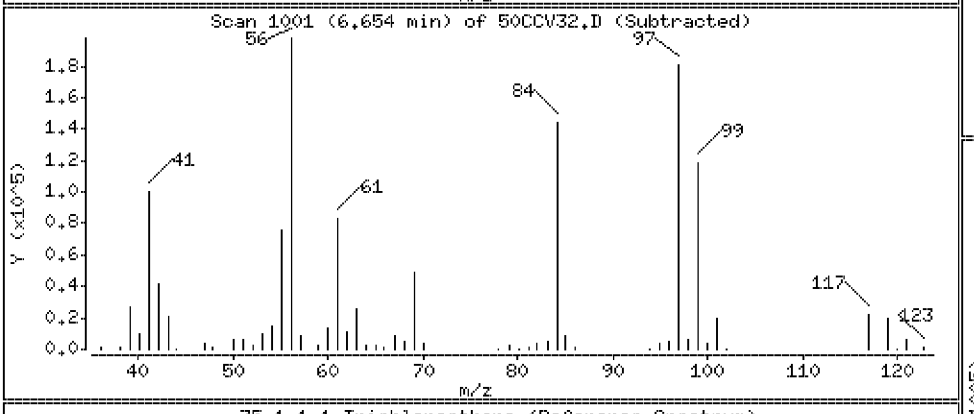
Sample Info: 061807CCVA32

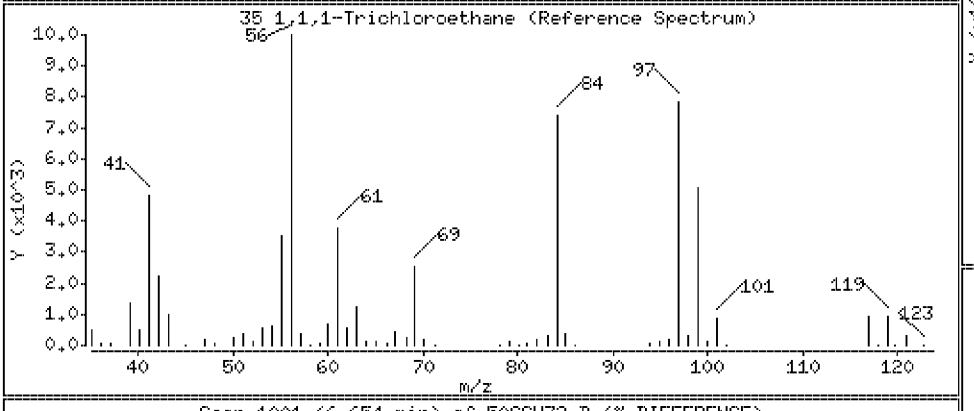
Purge Volume: 5.0 Operator:

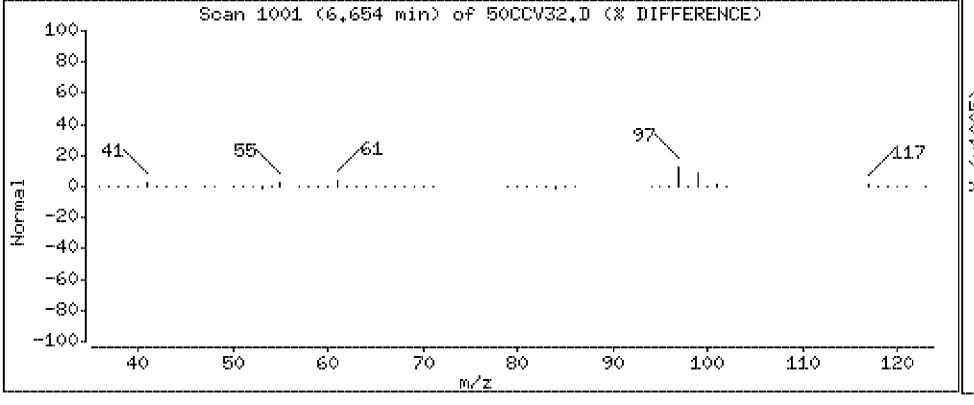
Column phase: DB-624 Column diameter: 0.18

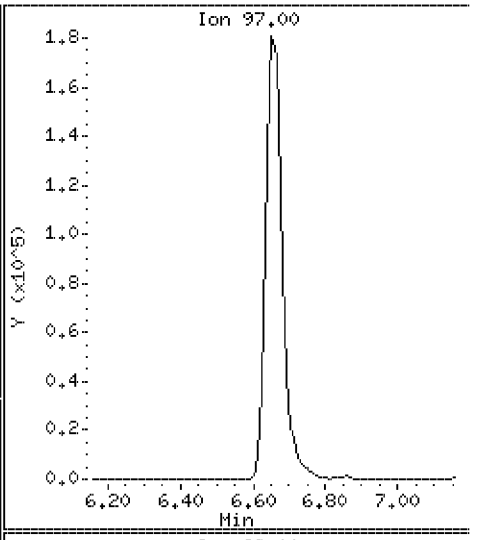
35 1,1,1-Trichloroethane Concentration: 49.1 ug/l

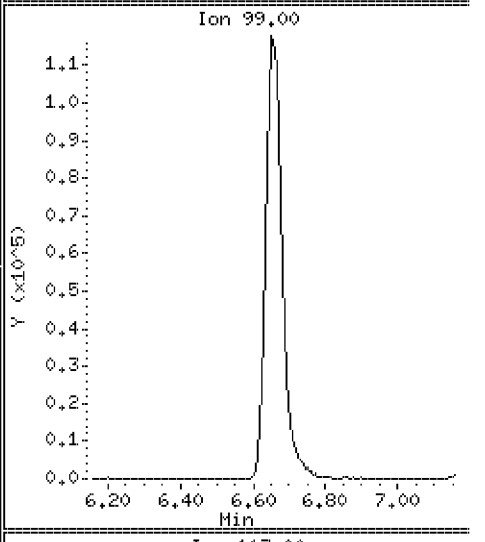


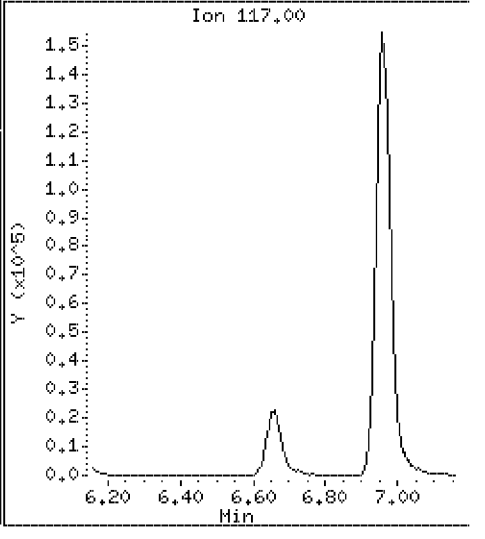












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

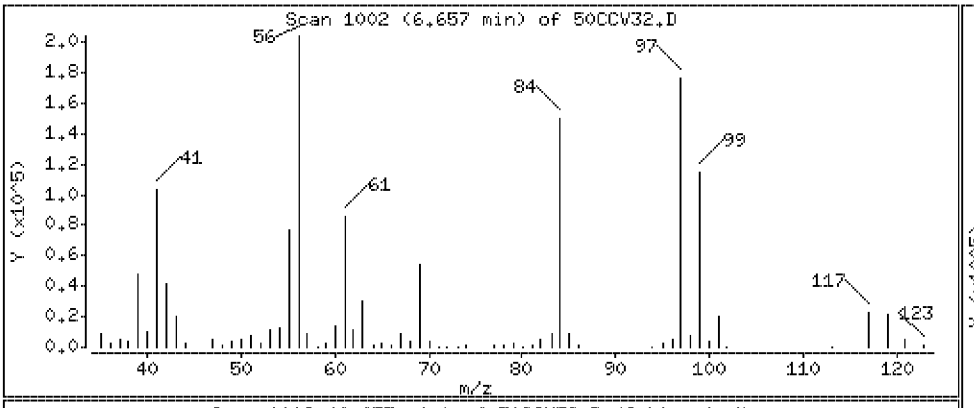
Client ID: 061807CCVA32 Instrument: vms03.i

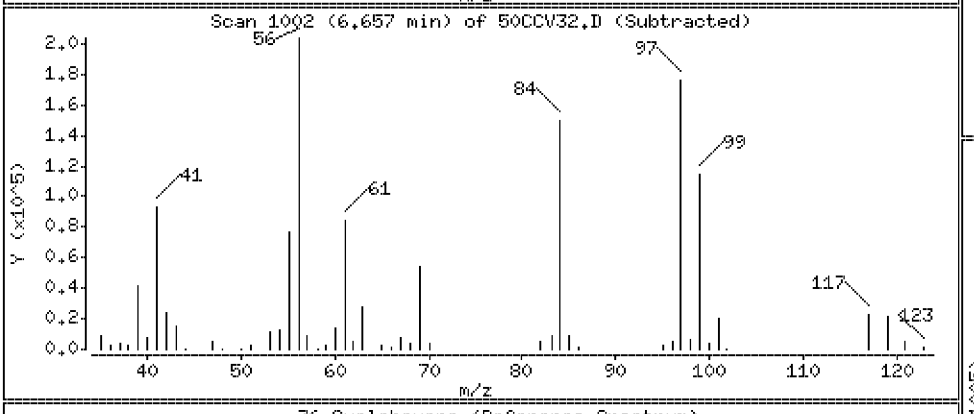
Sample Info: 061807CCVA32

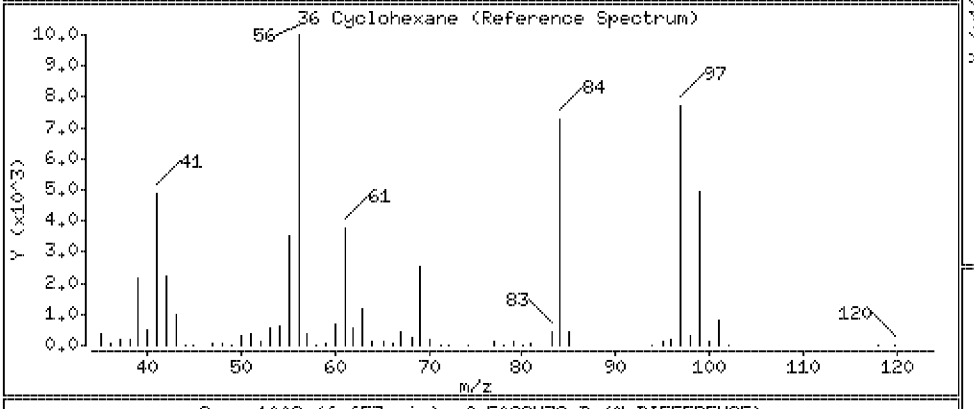
Purge Volume: 5.0 Operator:

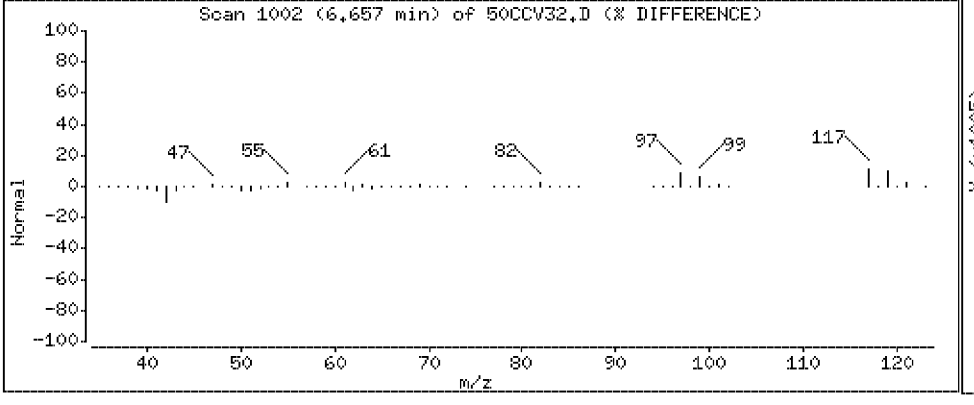
Column phase: DB-624 Column diameter: 0.18

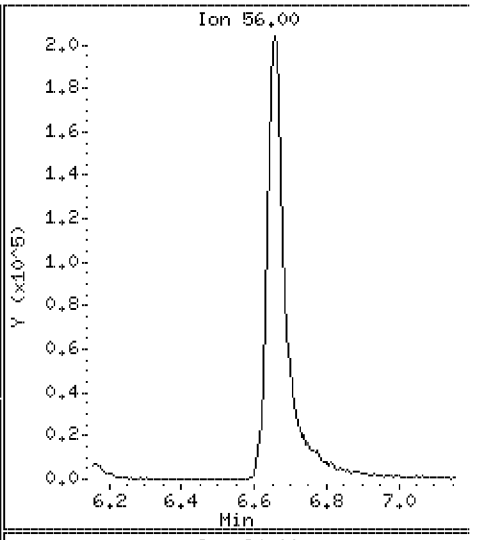
36 Cyclohexane Concentration: 50.7 ug/l

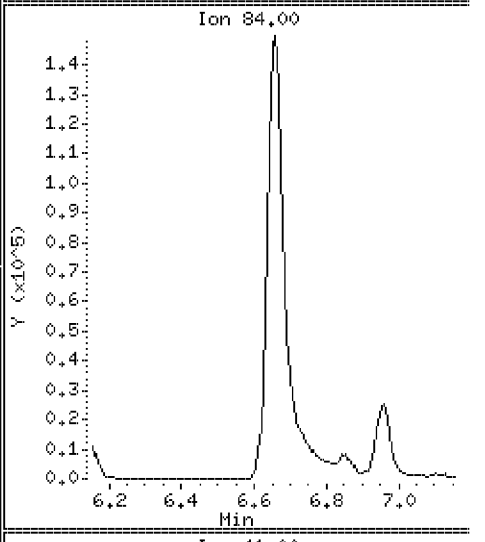


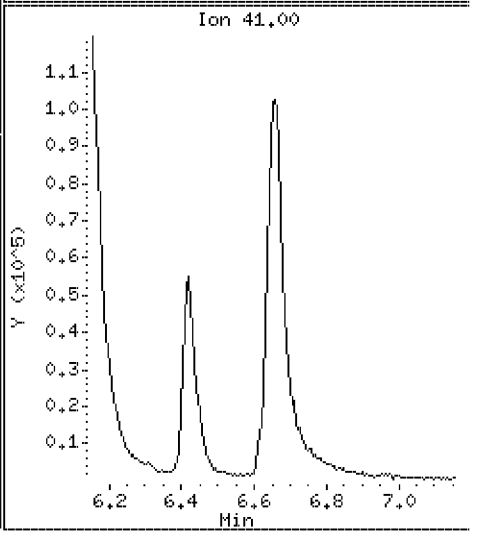












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

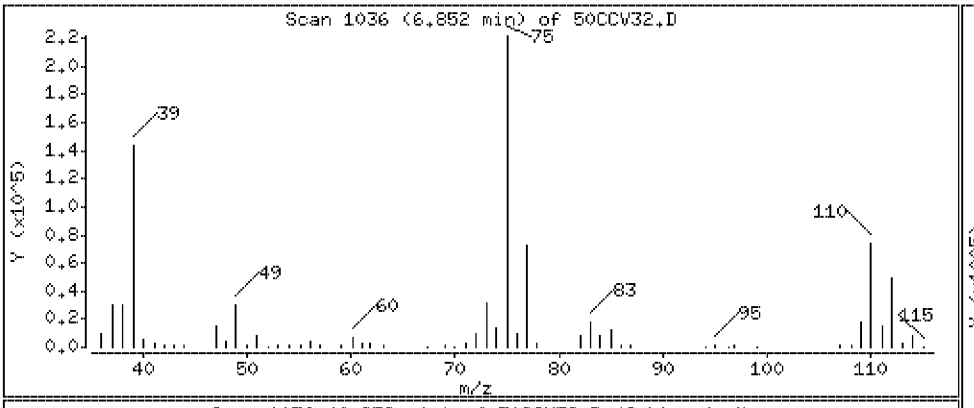
Client ID: 061807CCVA32 Instrument: vms03.i

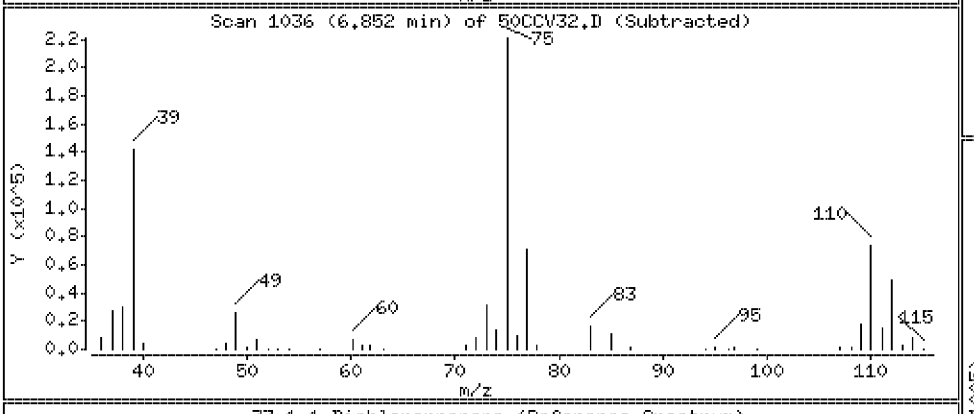
Sample Info: 061807CCVA32

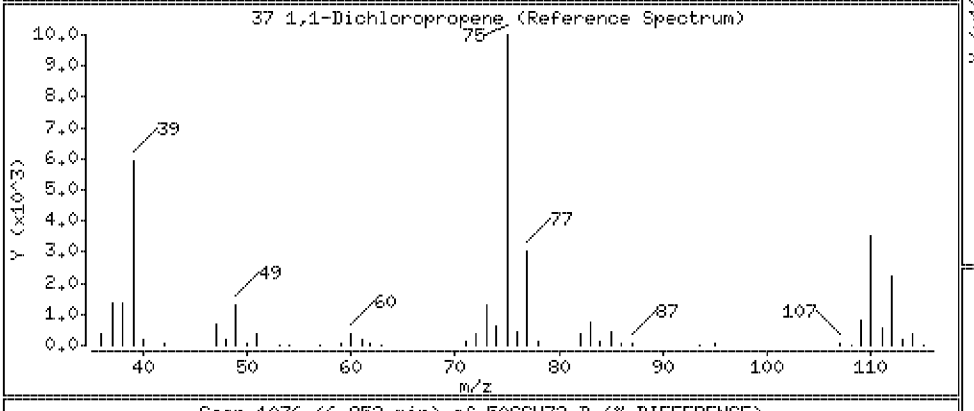
Purge Volume: 5.0 Operator:

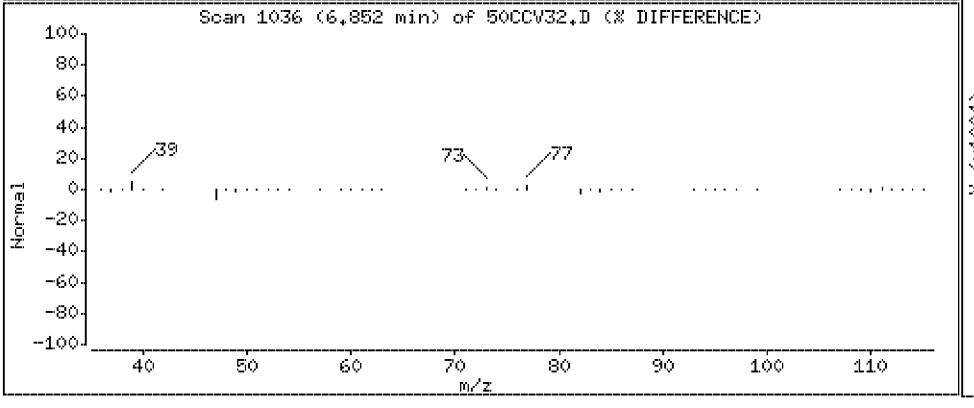
Column phase: DB-624 Column diameter: 0.18

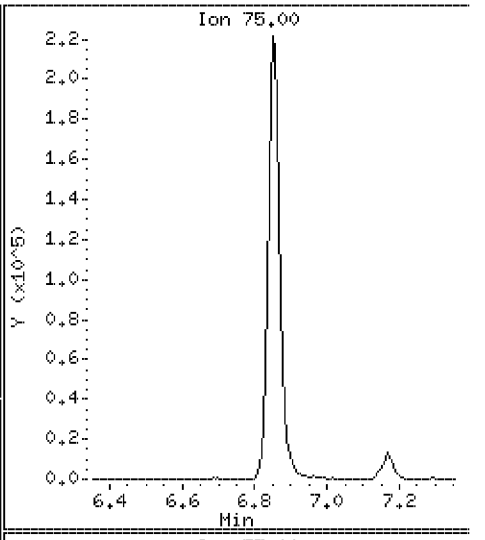
37 1,1-Dichloropropene Concentration: 48.3 ug/l

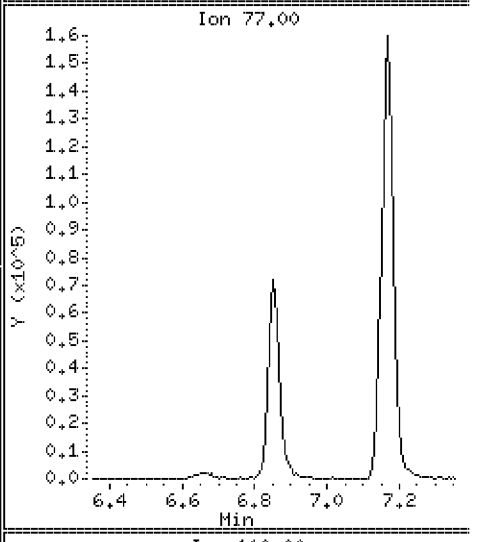


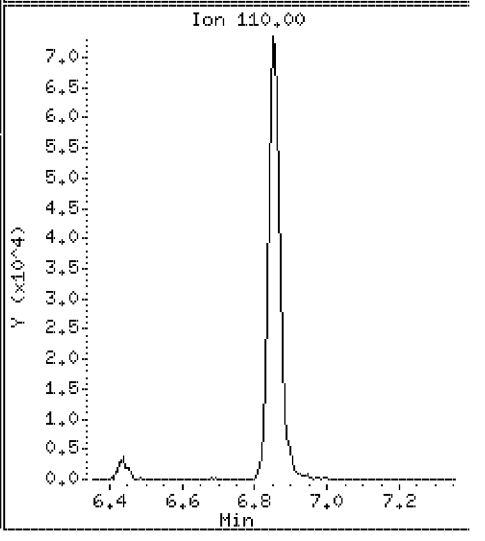












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

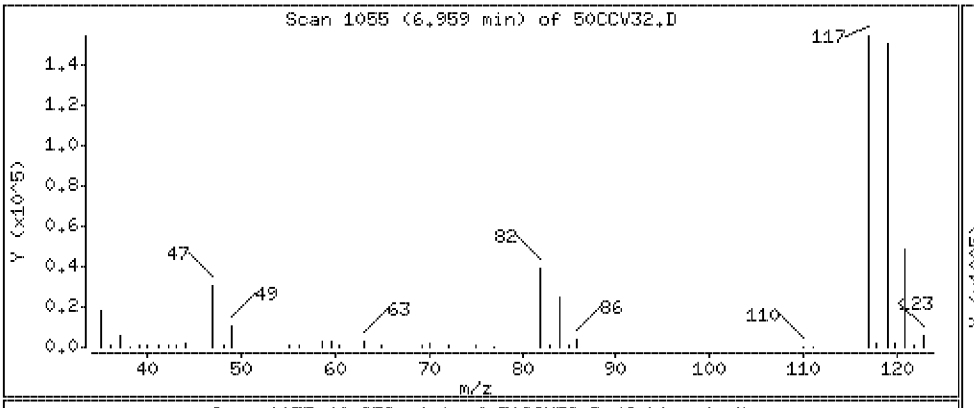
Client ID: 061807CCVA32 Instrument: vms03.i

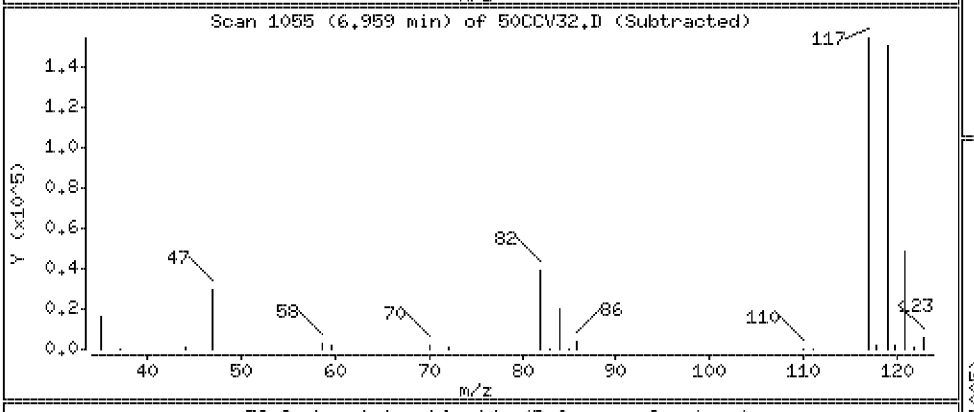
Sample Info: 061807CCVA32

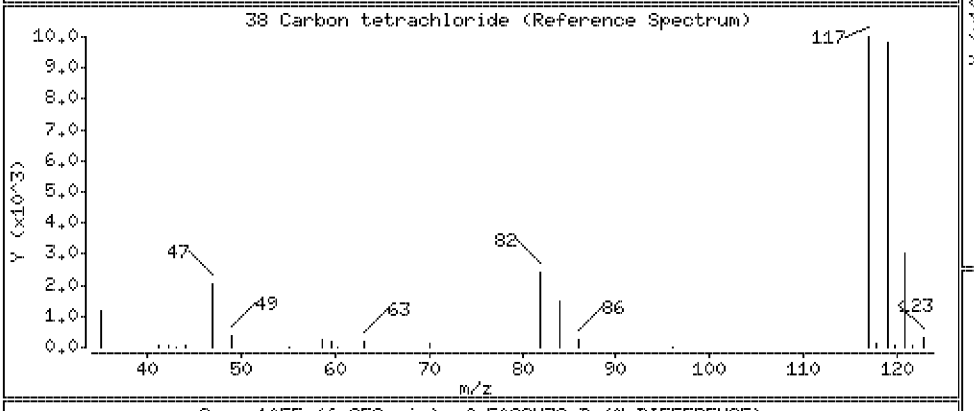
Purge Volume: 5.0 Operator:

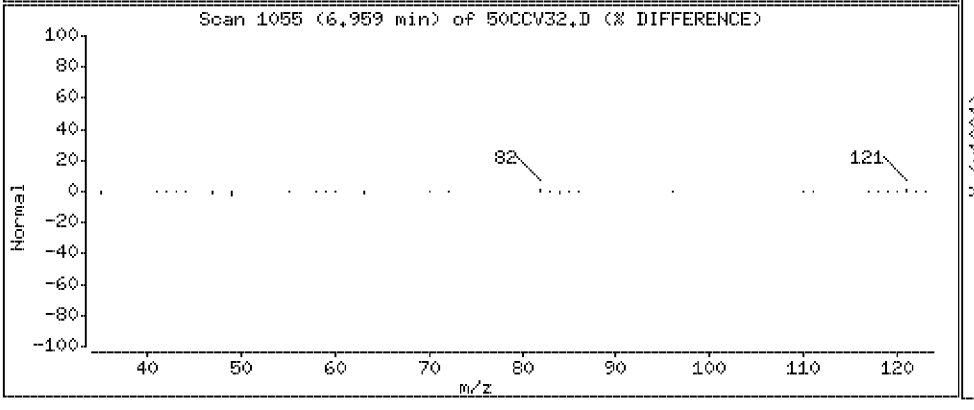
Column phase: DB-624 Column diameter: 0.18

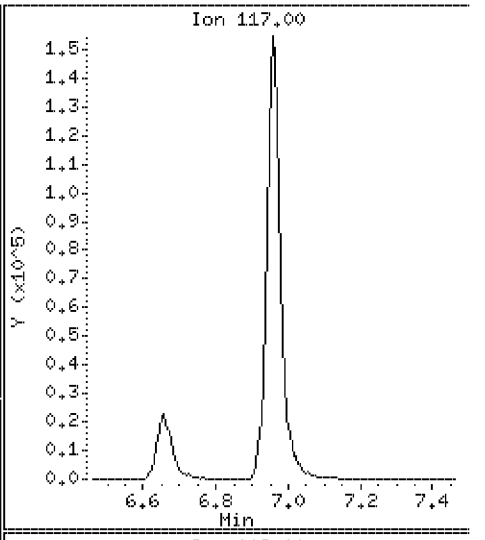
38 Carbon tetrachloride Concentration: 52.1 ug/l

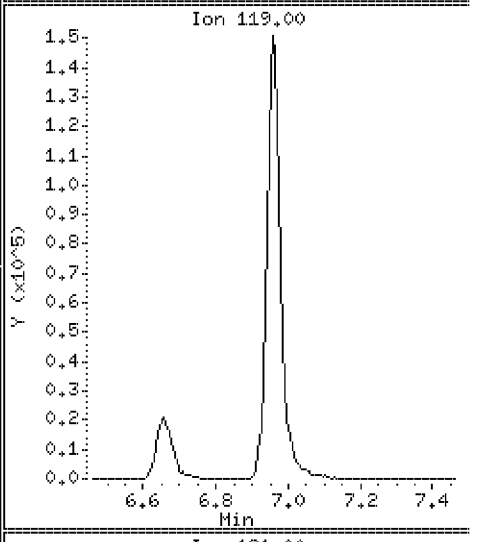


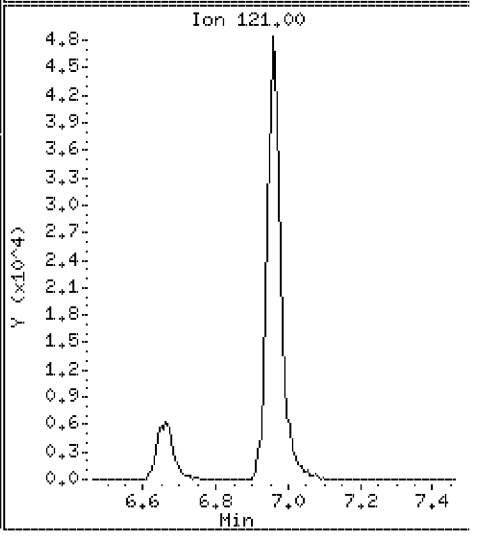












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

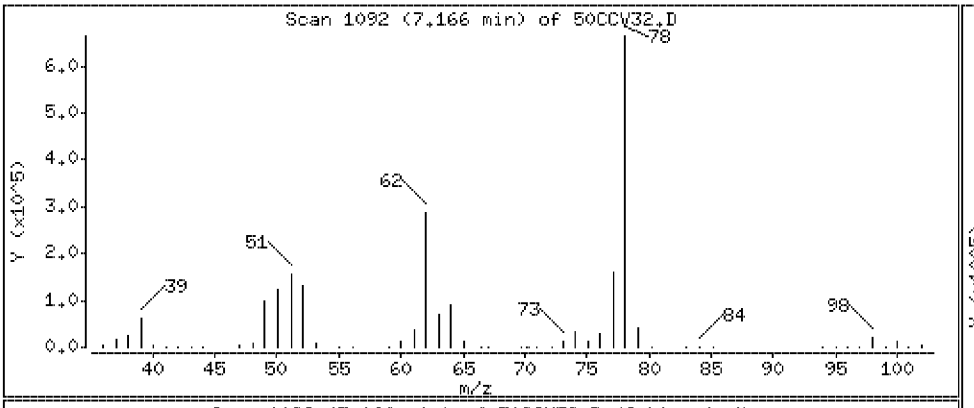
Client ID: 061807CCVA32 Instrument: vms03.i

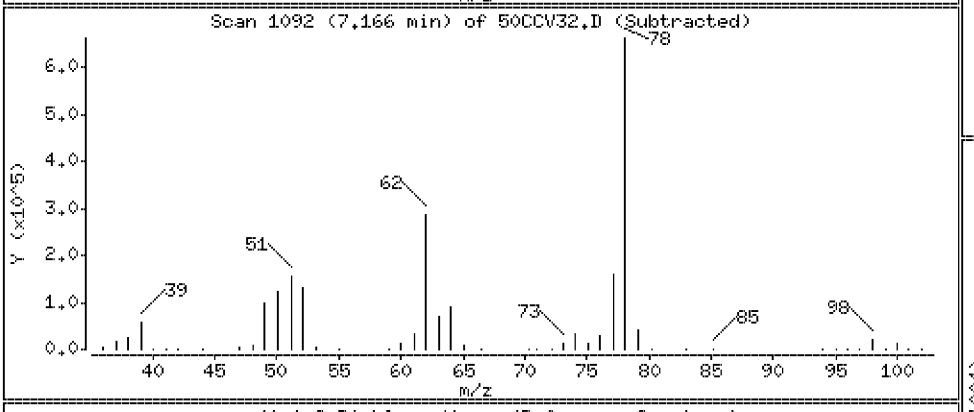
Sample Info: 061807CCVA32

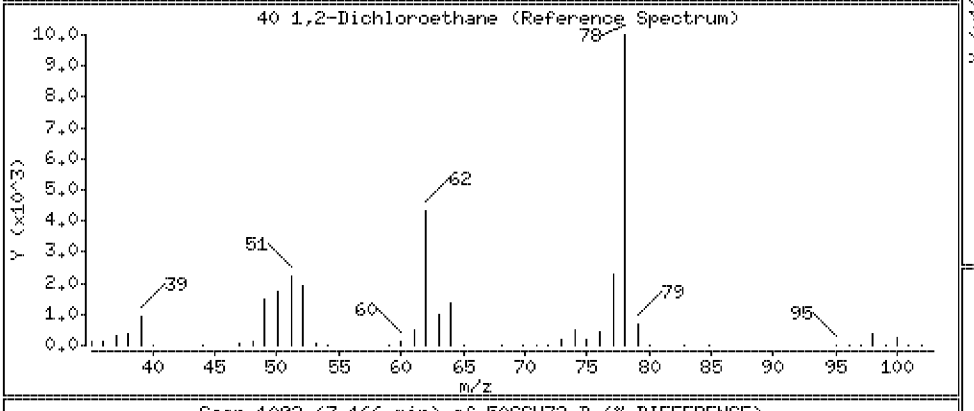
Purge Volume: 5.0 Operator:

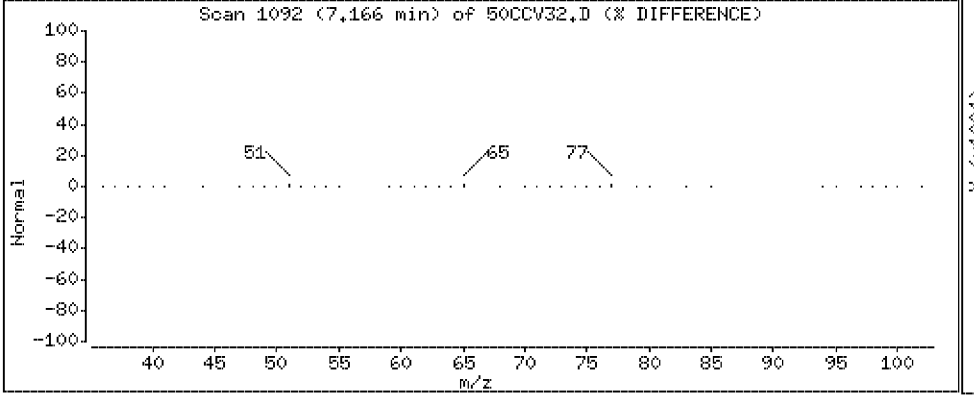
Column phase: DB-624 Column diameter: 0.18

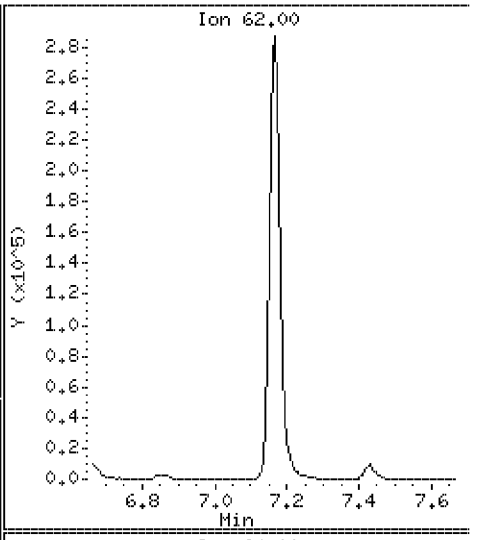
40 1,2-Dichloroethane Concentration: 48.5 ug/l

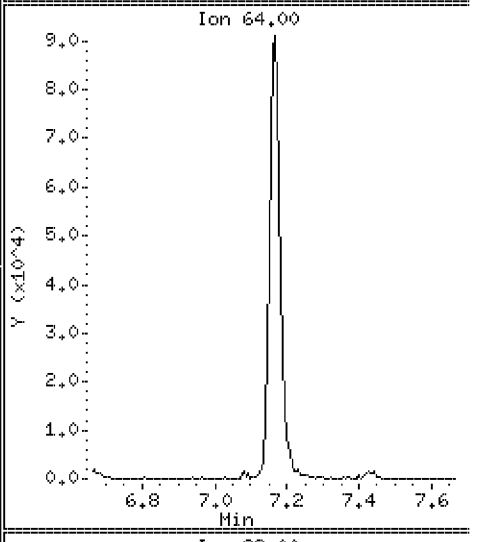


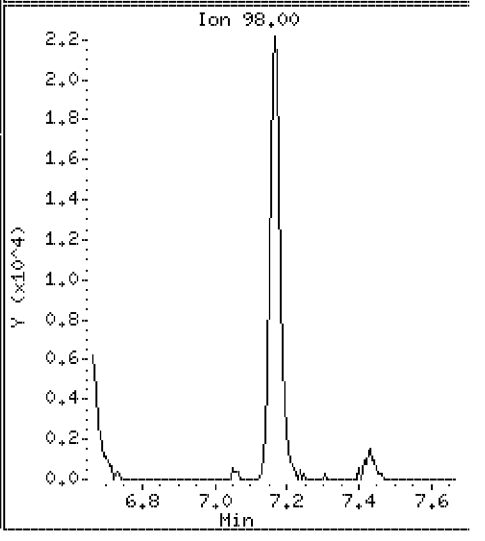












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

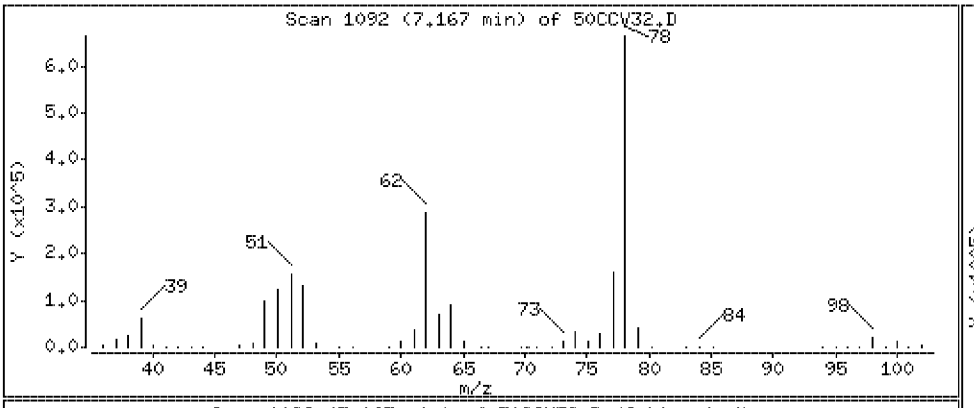
Client ID: 061807CCVA32 Instrument: vms03.i

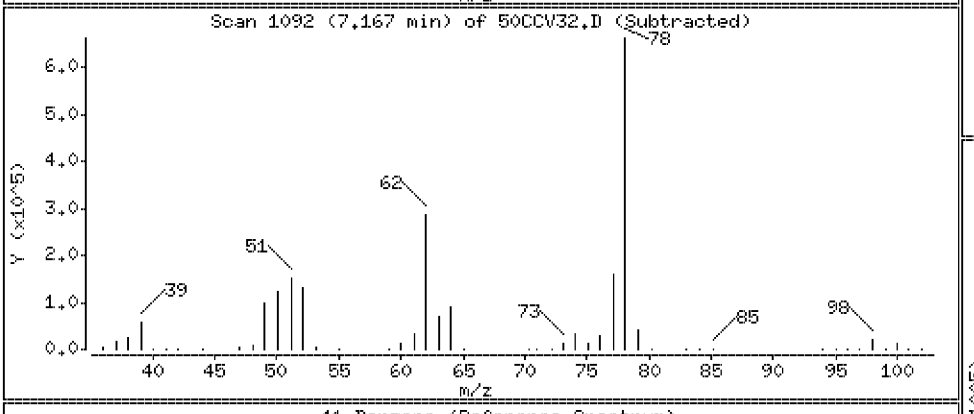
Sample Info: 061807CCVA32

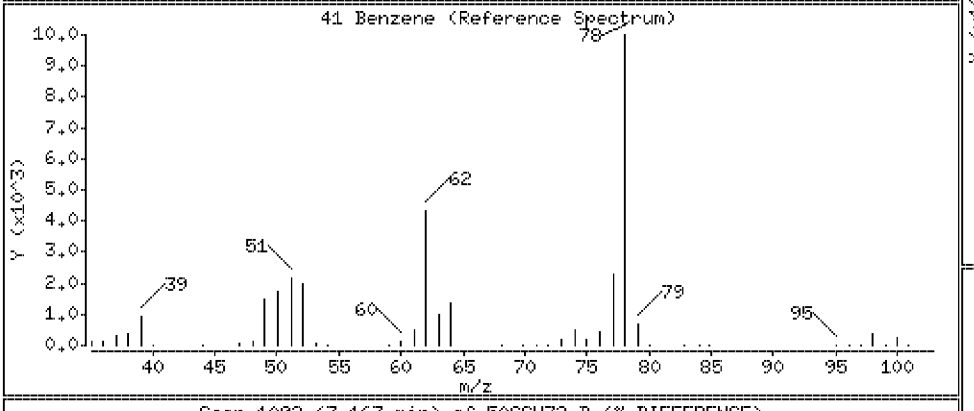
Purge Volume: 5.0 Operator:

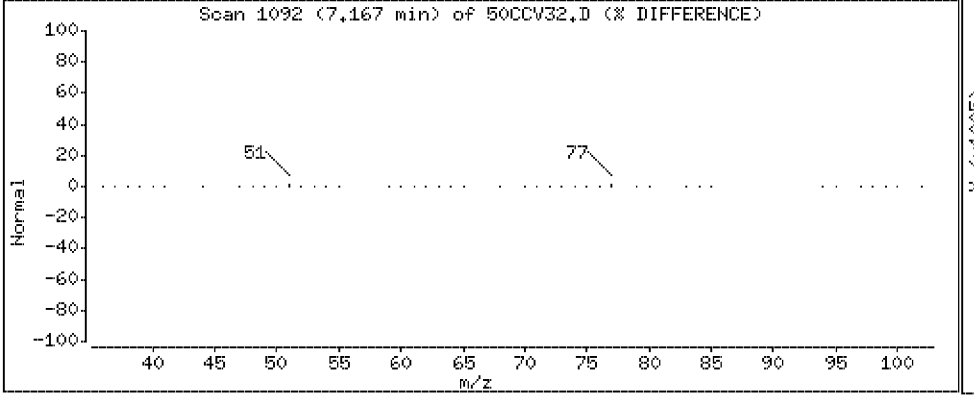
Column phase: DB-624 Column diameter: 0.18

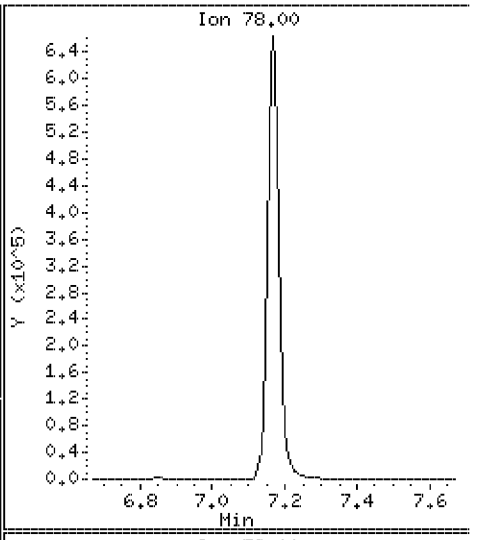
41 Benzene Concentration: 48.9 ug/l

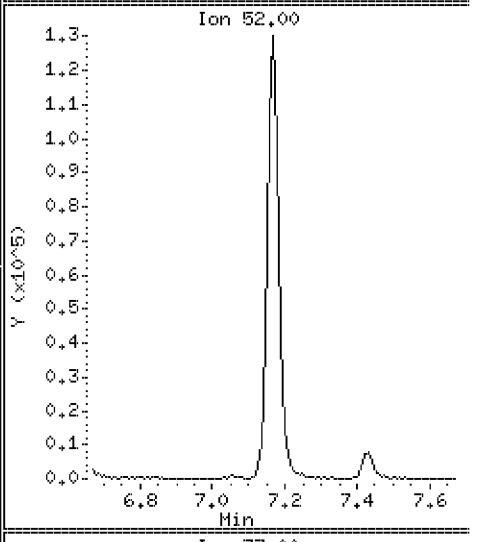


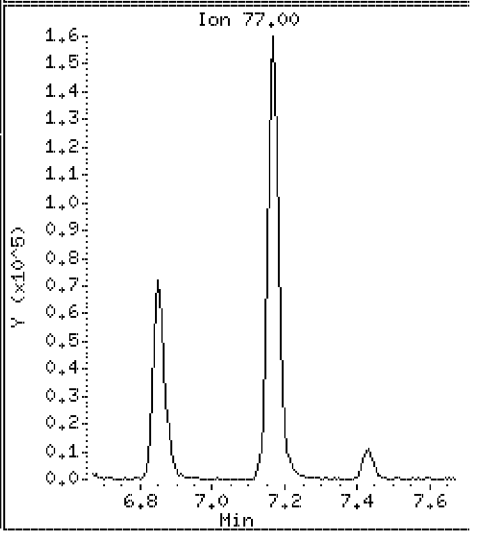












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

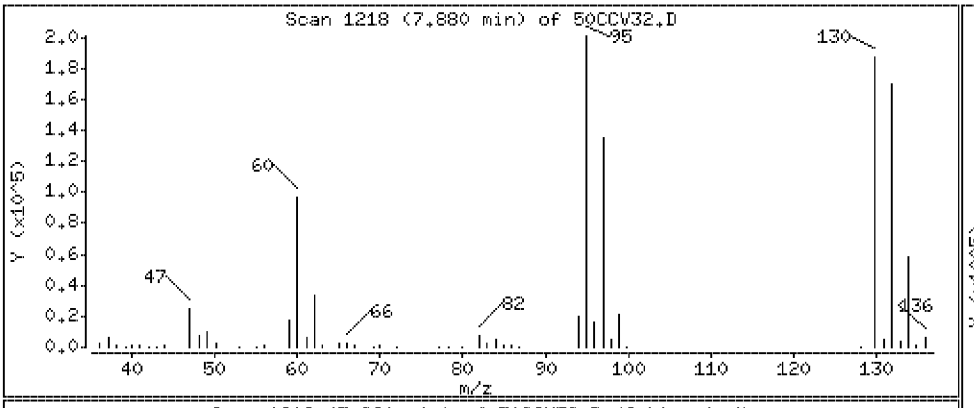
Client ID: 061807CCVA32 Instrument: vms03.i

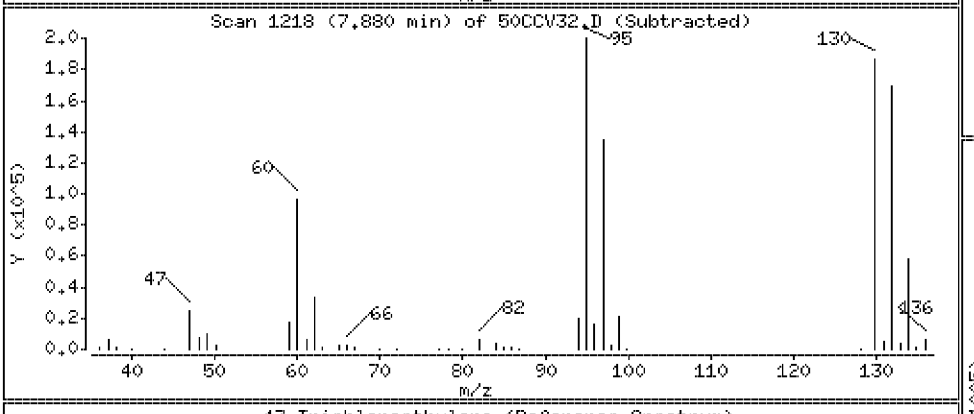
Sample Info: 061807CCVA32

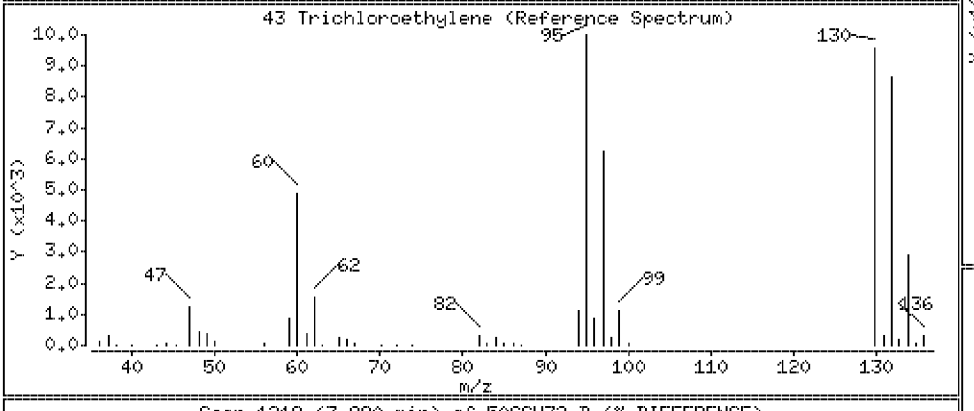
Purge Volume: 5.0 Operator:

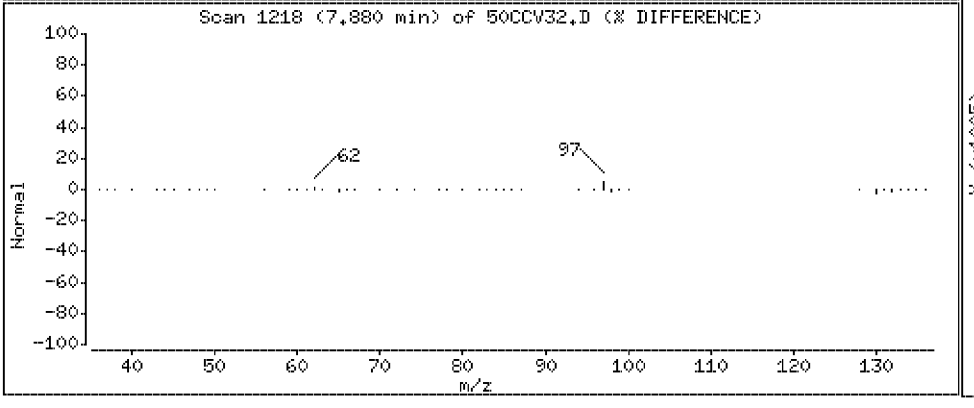
Column phase: DB-624 Column diameter: 0.18

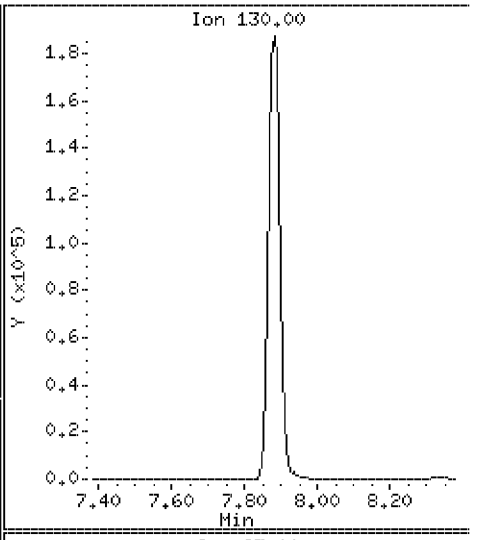
43 Trichloroethylene Concentration: 48.8 ug/l

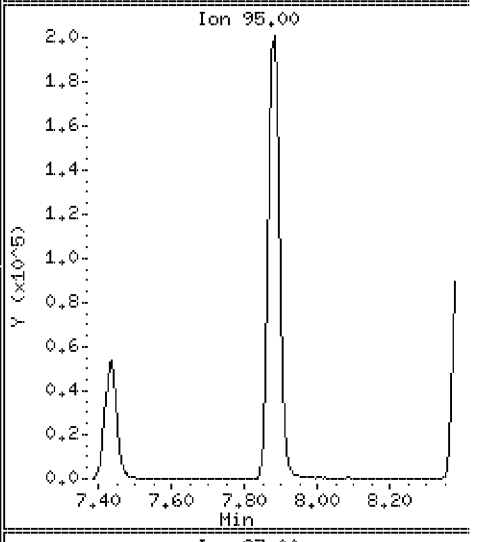


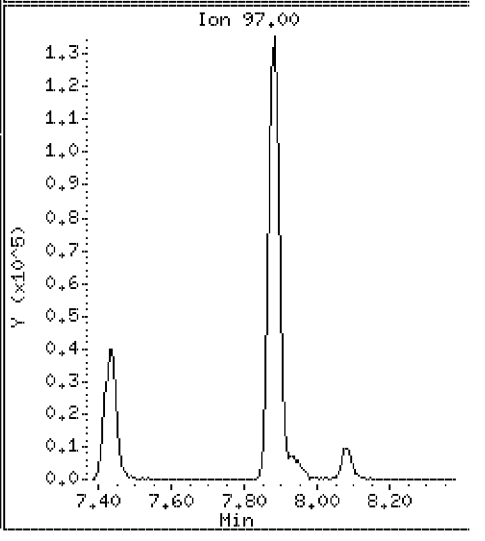












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

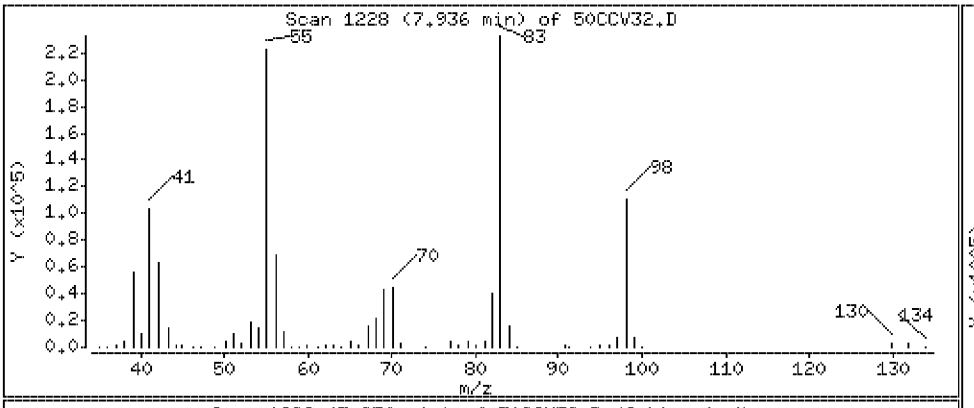
Client ID: 061807CCVA32 Instrument: vms03.i

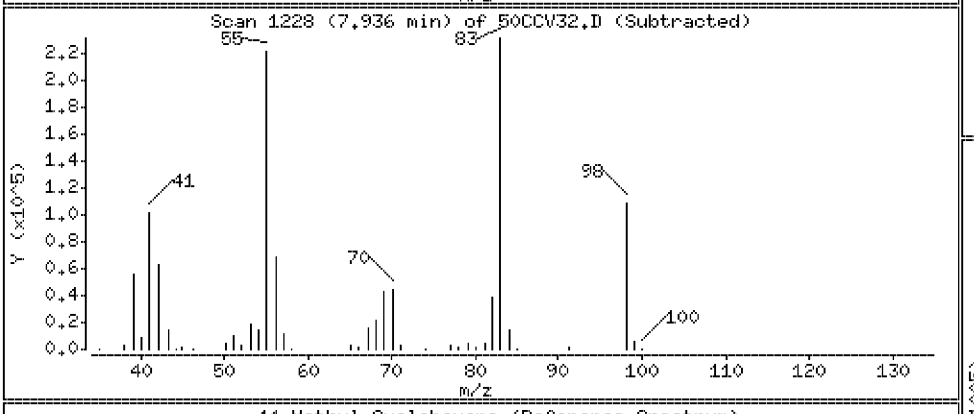
Sample Info: 061807CCVA32

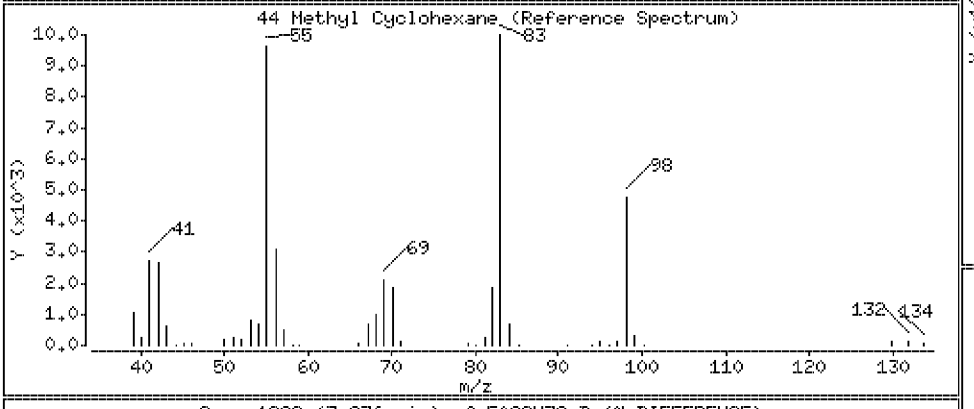
Purge Volume: 5.0 Operator:

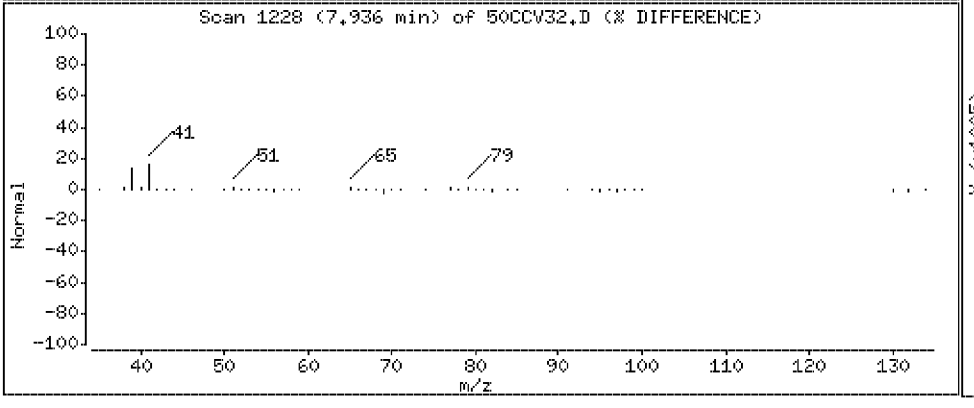
Column phase: DB-624 Column diameter: 0.18

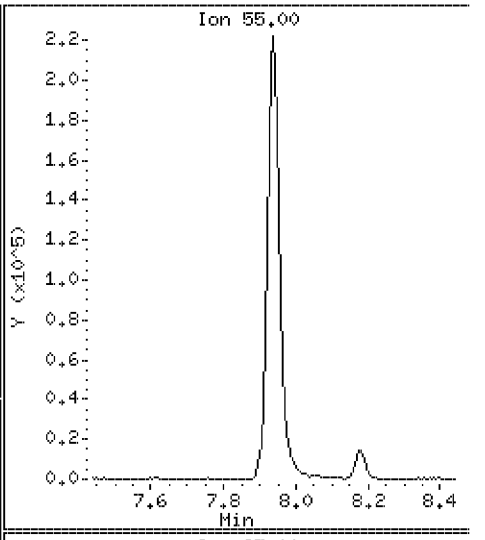
44 Methyl Cyclohexane Concentration: 49.4 ug/l

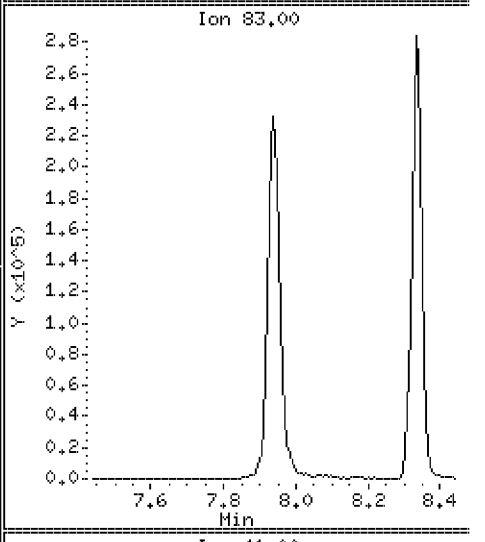


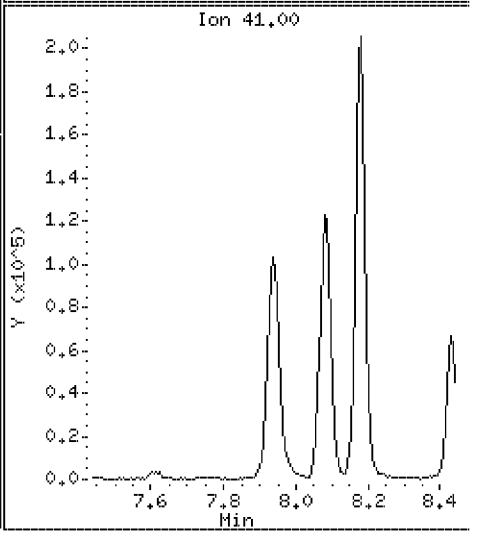












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

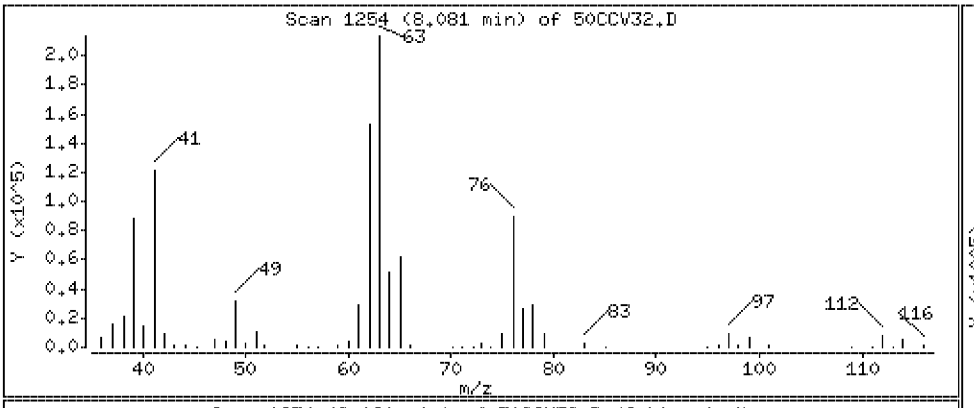
Client ID: 061807CCVA32 Instrument: vms03.i

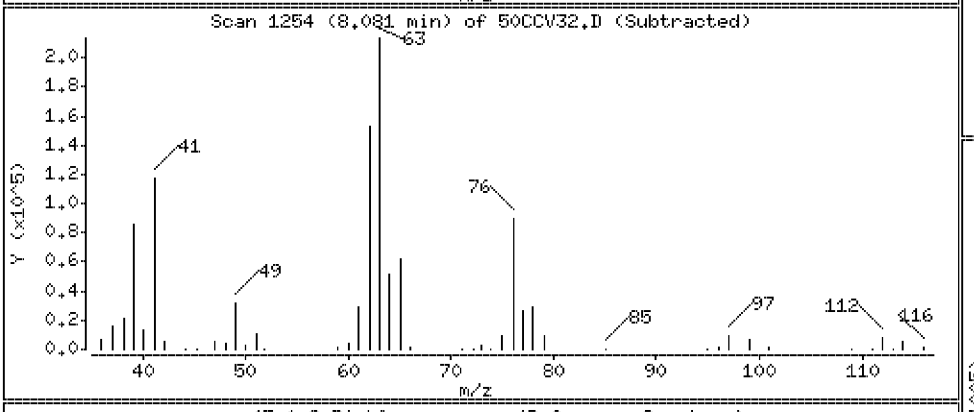
Sample Info: 061807CCVA32

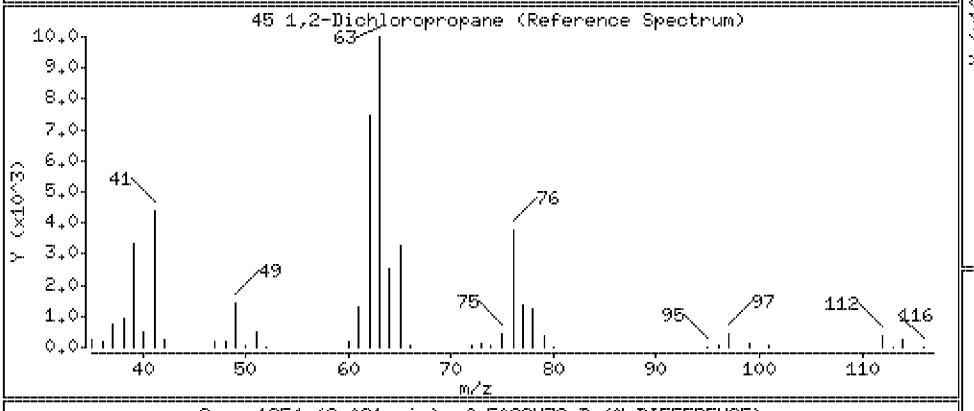
Purge Volume: 5.0 Operator:

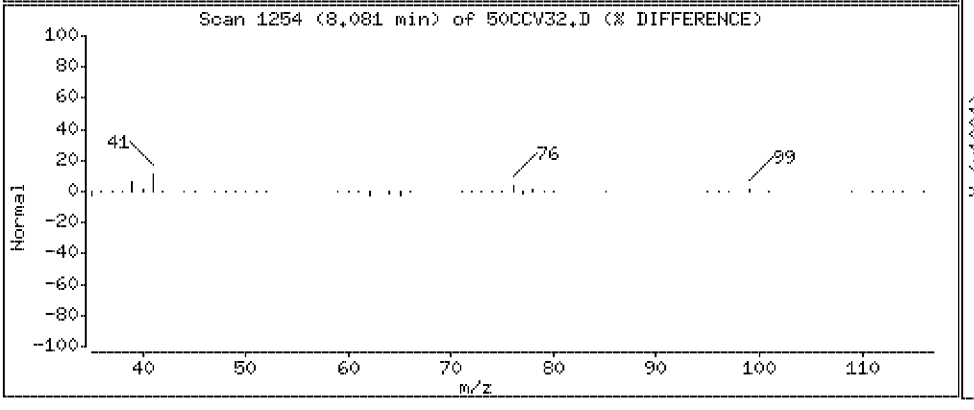
Column phase: DB-624 Column diameter: 0.18

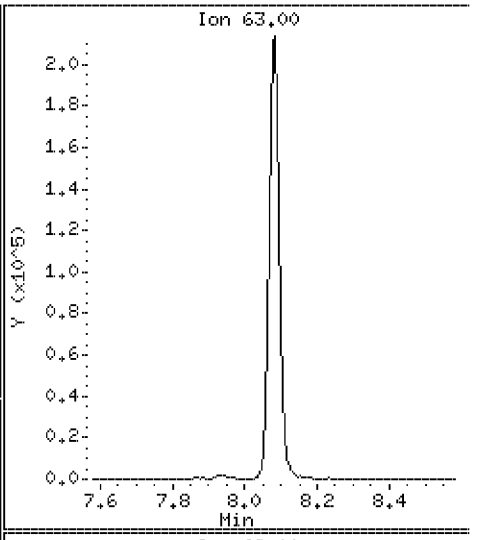
45 1,2-Dichloropropane Concentration: 49.0 ug/l

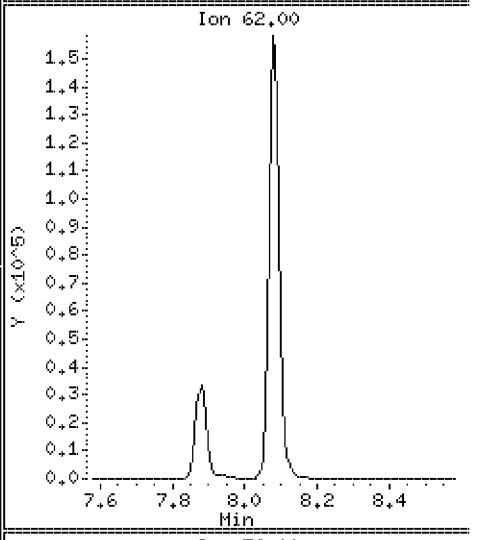


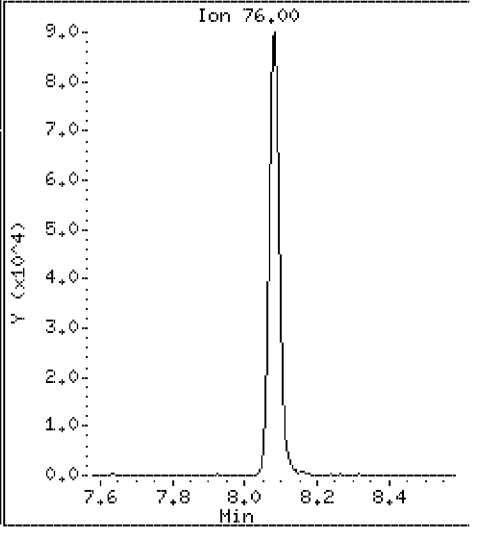












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

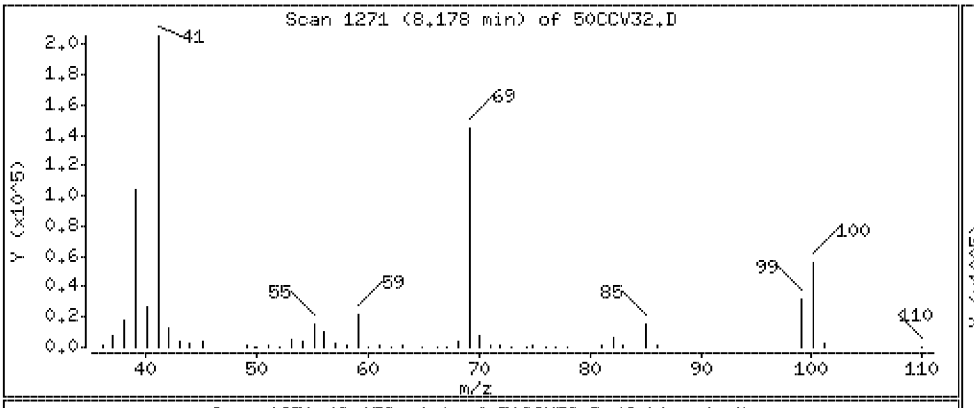
Client ID: 061807CCVA32 Instrument: vms03.i

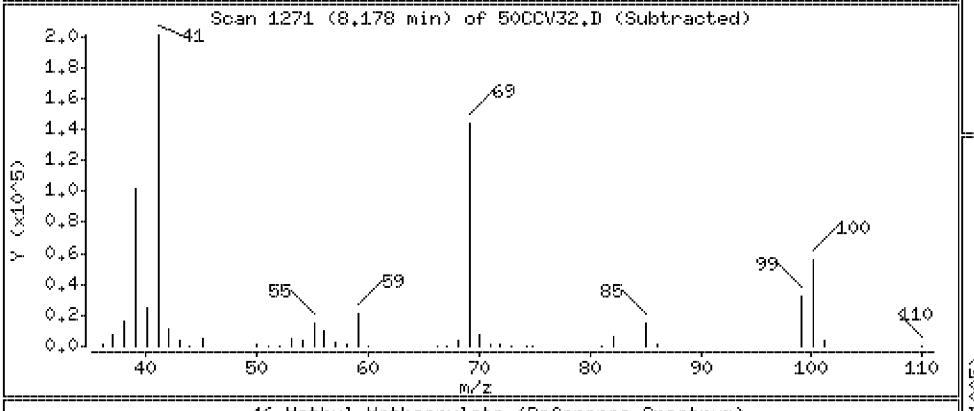
Sample Info: 061807CCVA32

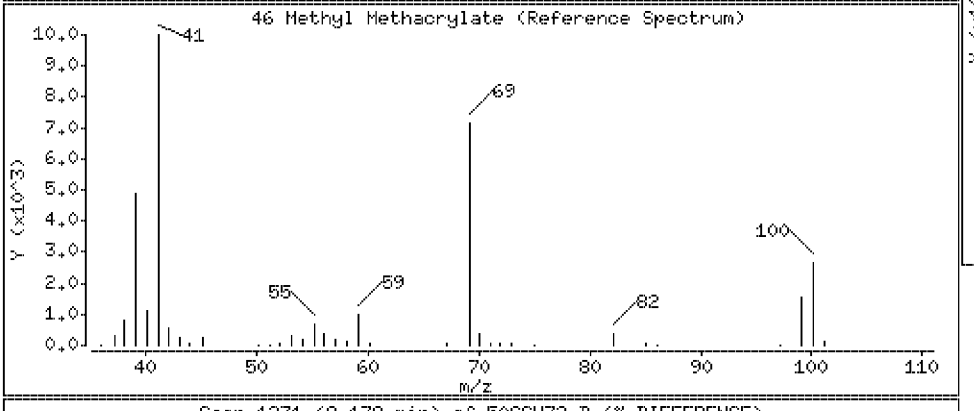
Purge Volume: 5.0 Operator:

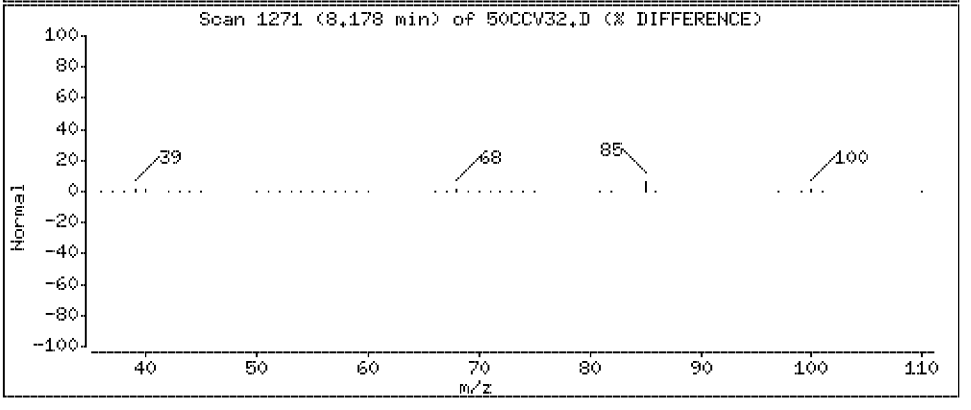
Column phase: DB-624 Column diameter: 0.18

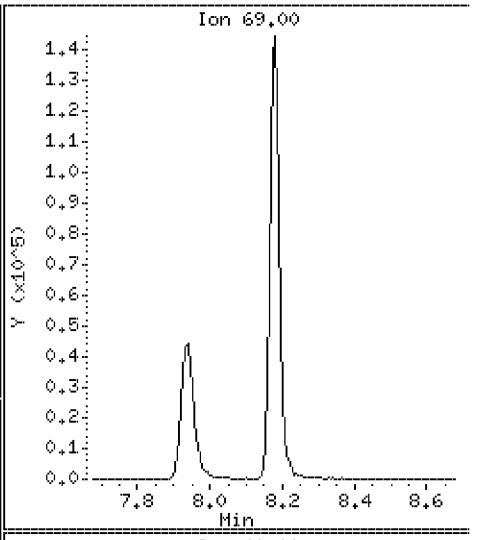
46 Methyl Methacrylate Concentration: 51.6 ug/l

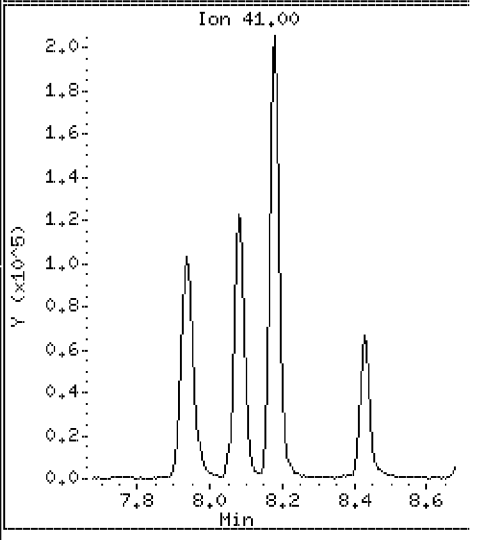












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

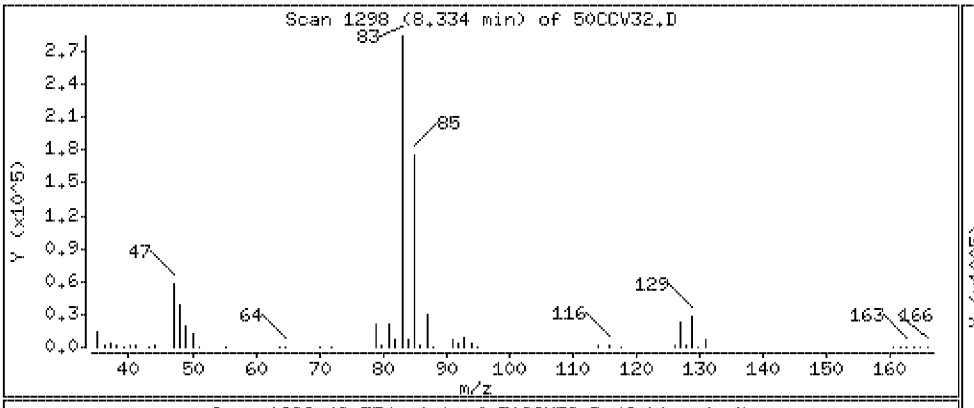
Client ID: 061807CCVA32 Instrument: vms03.i

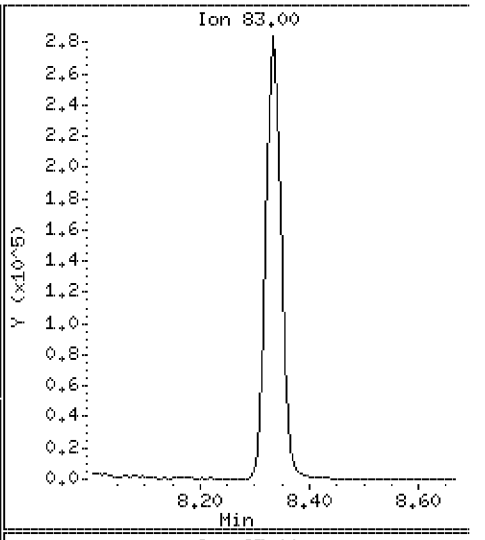
Sample Info: 061807CCVA32

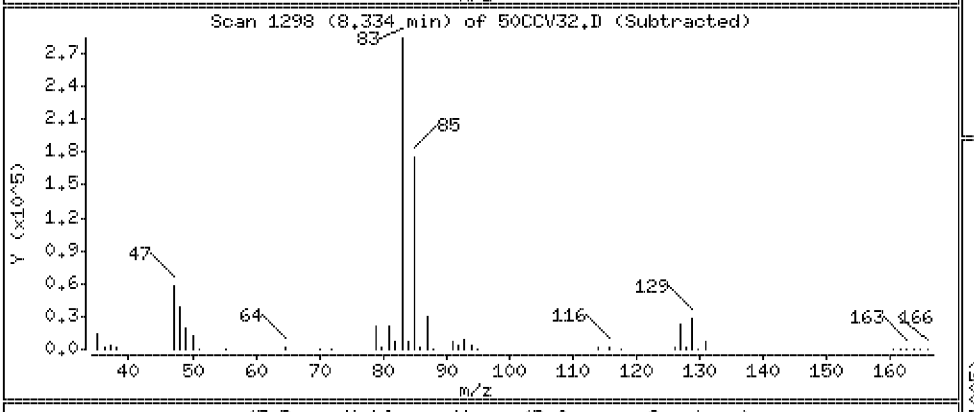
Purge Volume: 5.0 Operator:

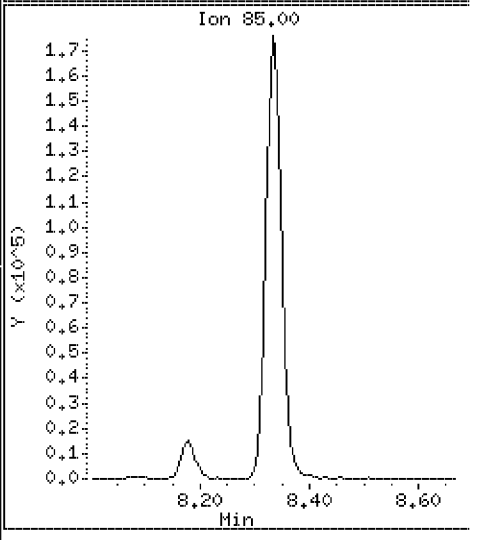
Column phase: DB-624 Column diameter: 0.18

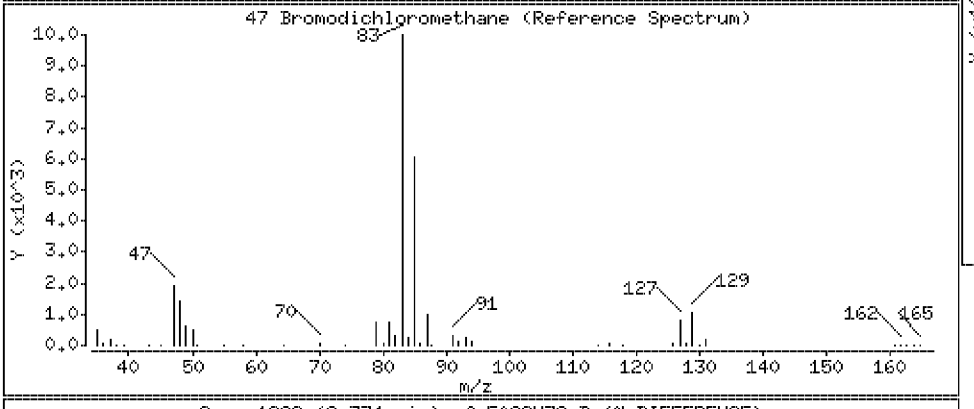
47 Bromodichloromethane Concentration: 49.6 ug/l

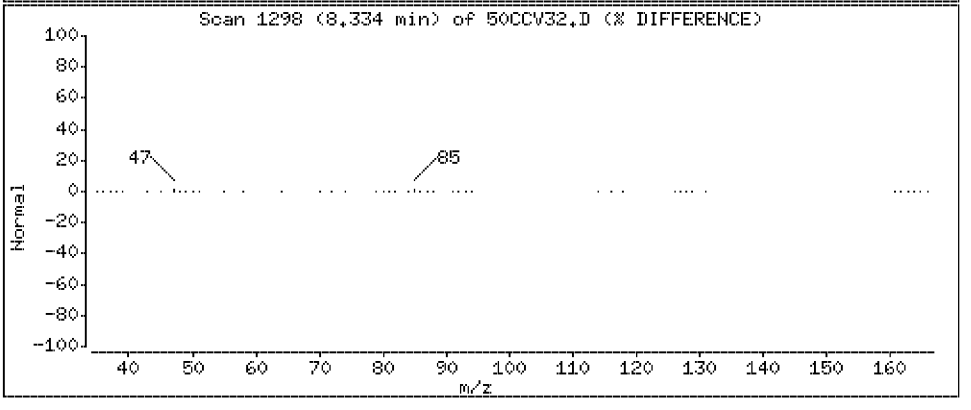












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

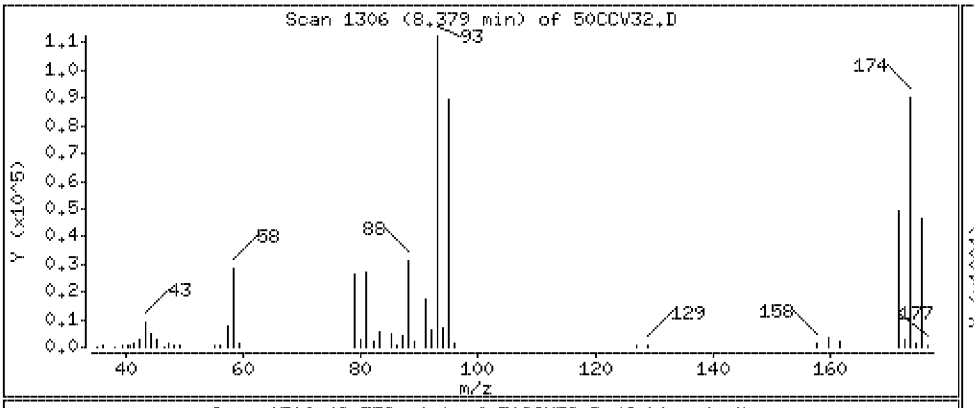
Client ID: 061807CCVA32 Instrument: vms03.i

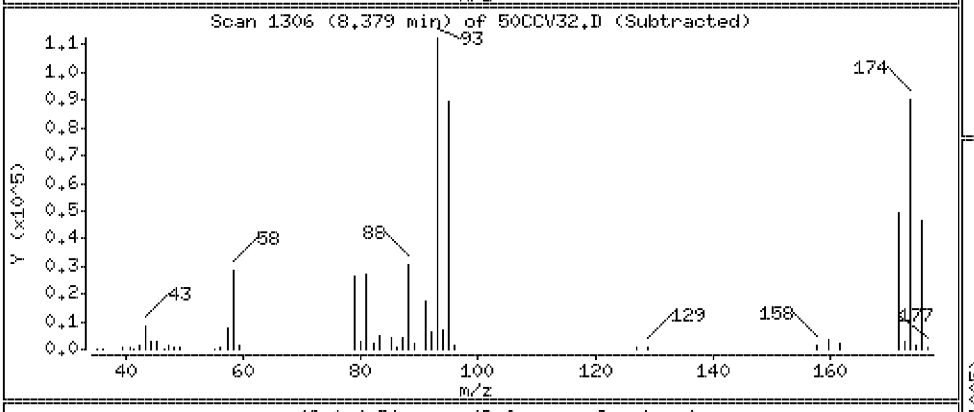
Sample Info: 061807CCVA32

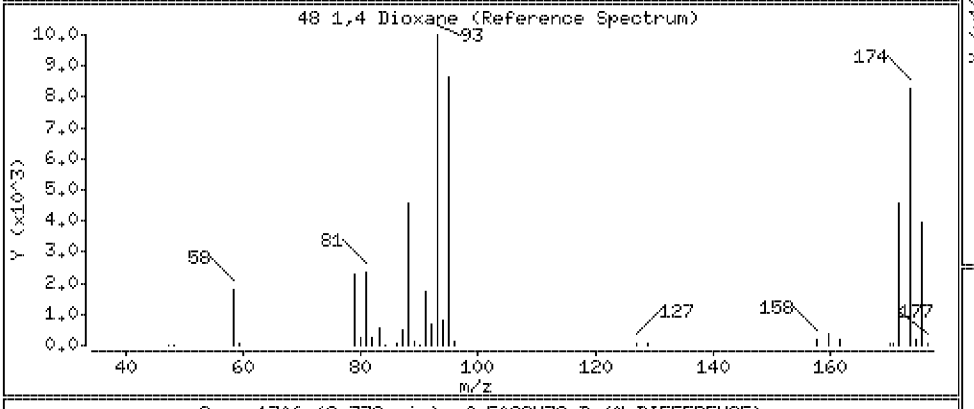
Purge Volume: 5.0 Operator:

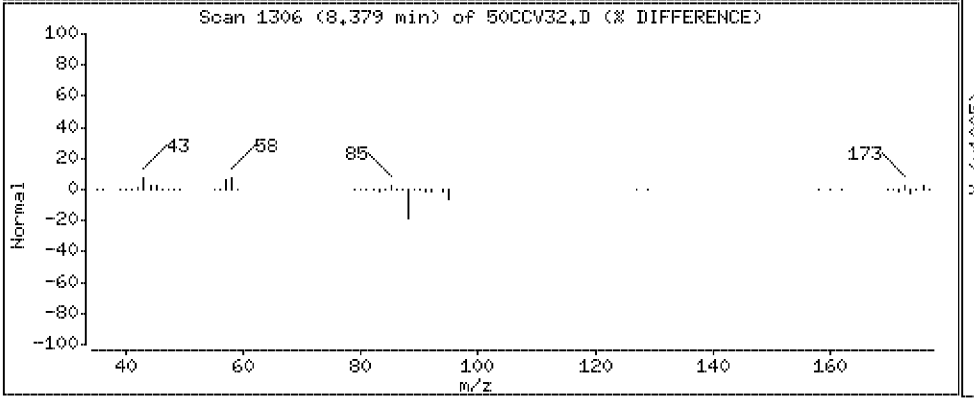
Column phase: DB-624 Column diameter: 0.18

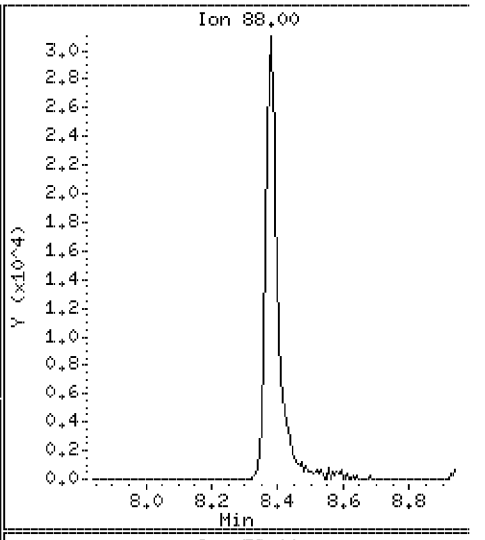
48 1,4 Dioxane Concentration: 1130 ug/l

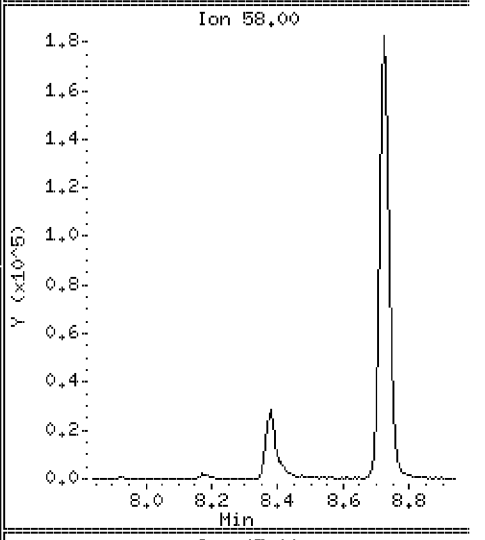


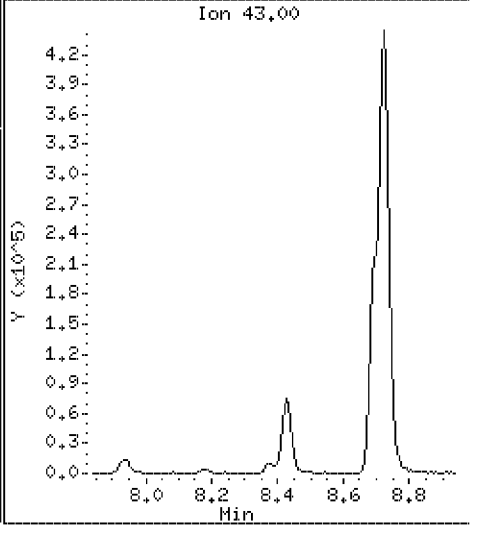












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

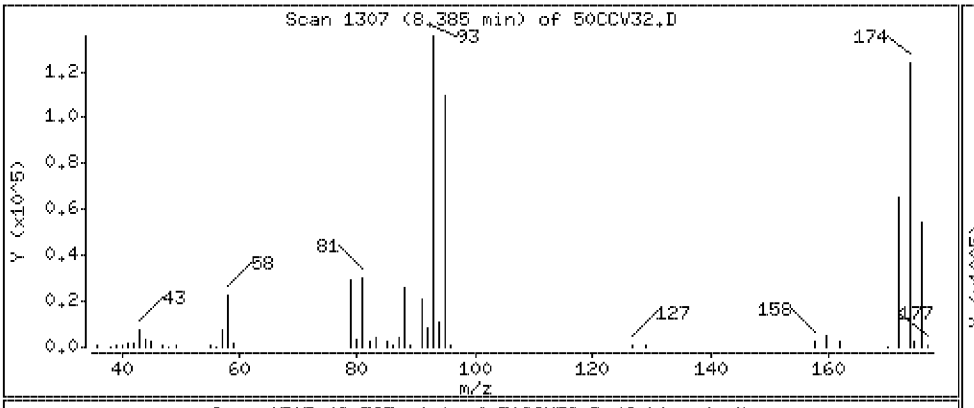
Client ID: 061807CCVA32 Instrument: vms03.i

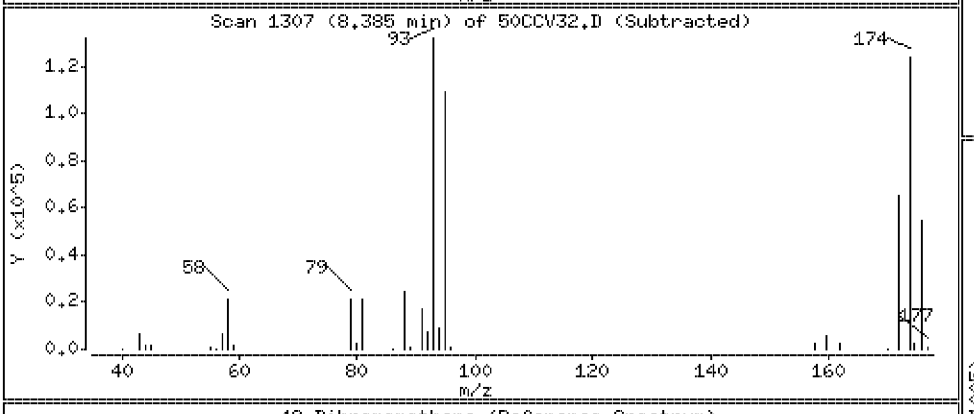
Sample Info: 061807CCVA32

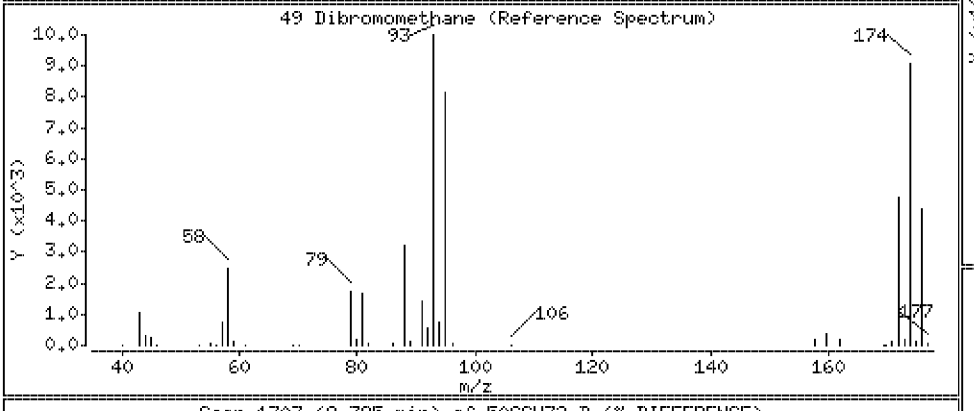
Purge Volume: 5.0 Operator:

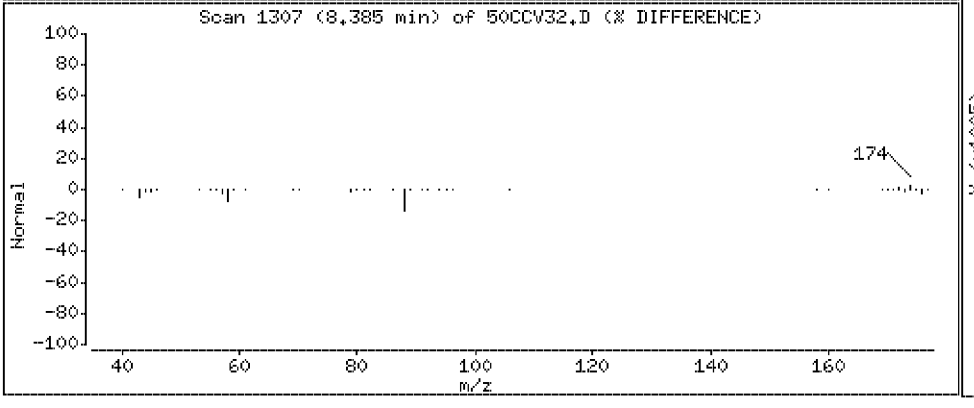
Column phase: DB-624 Column diameter: 0.18

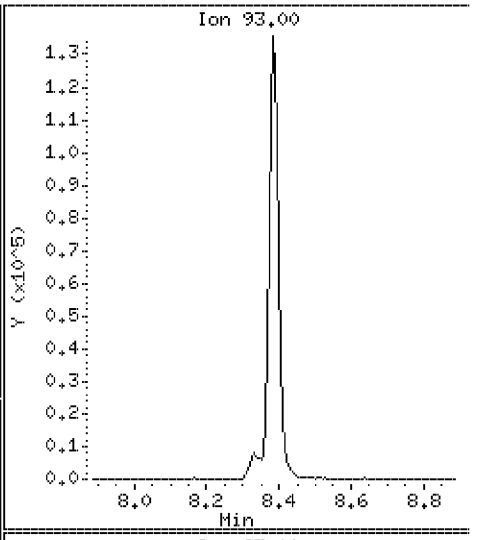
49 Dibromomethane Concentration: 48.6 ug/l

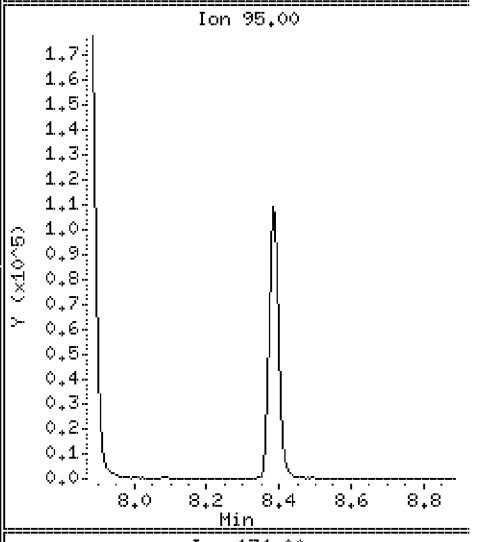


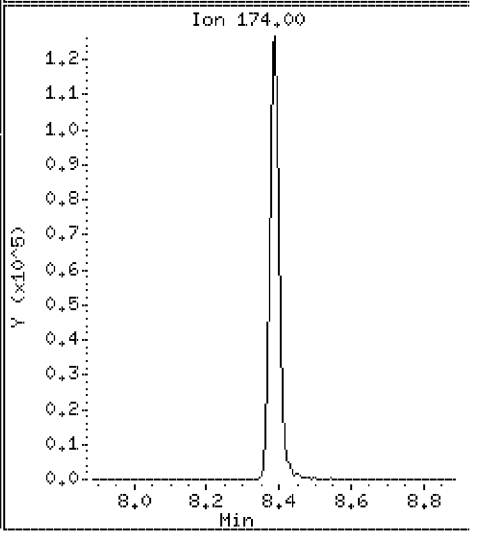












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

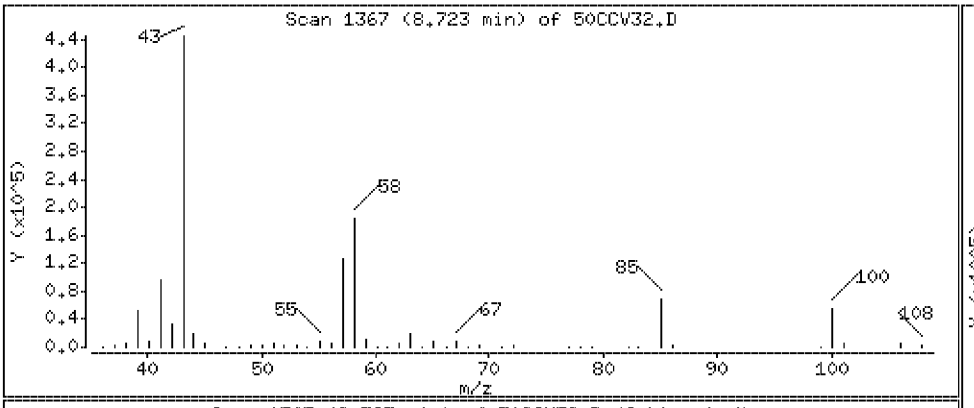
Client ID: 061807CCVA32 Instrument: vms03.i

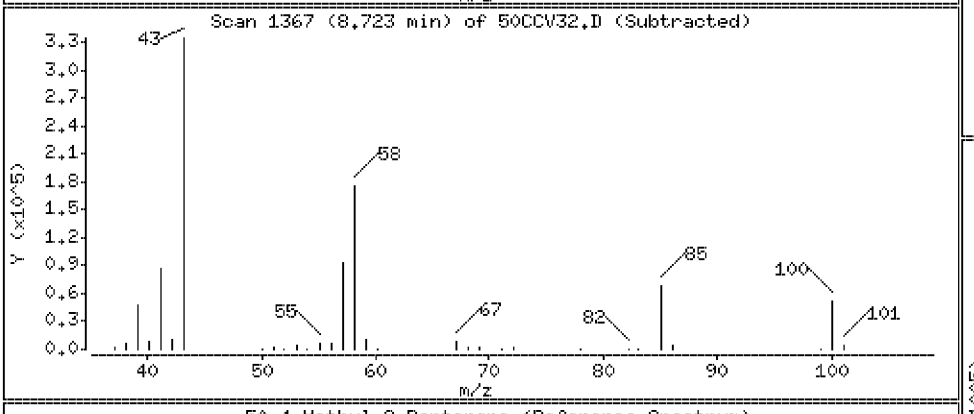
Sample Info: 061807CCVA32

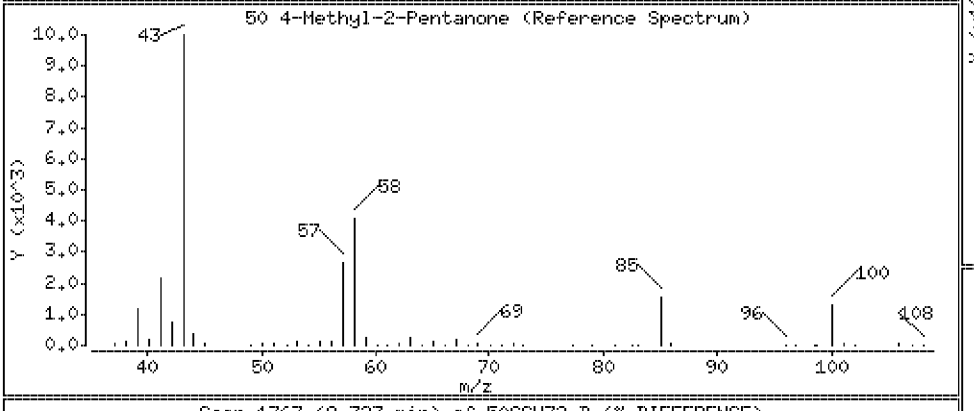
Purge Volume: 5.0 Operator:

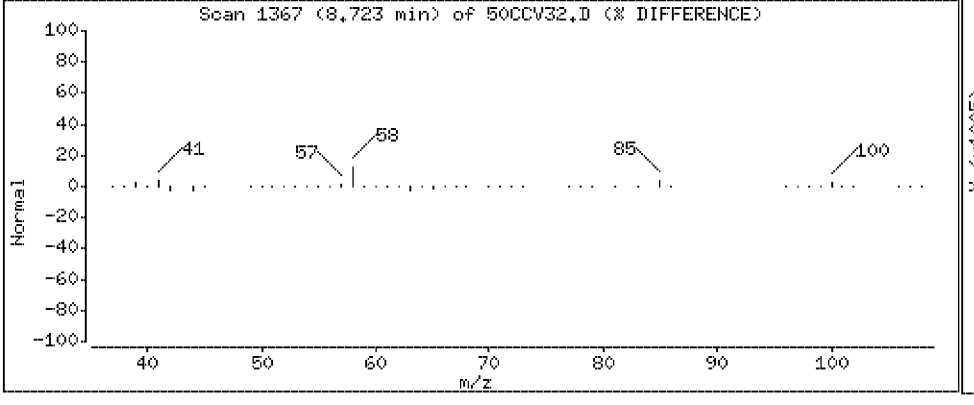
Column phase: DB-624 Column diameter: 0.18

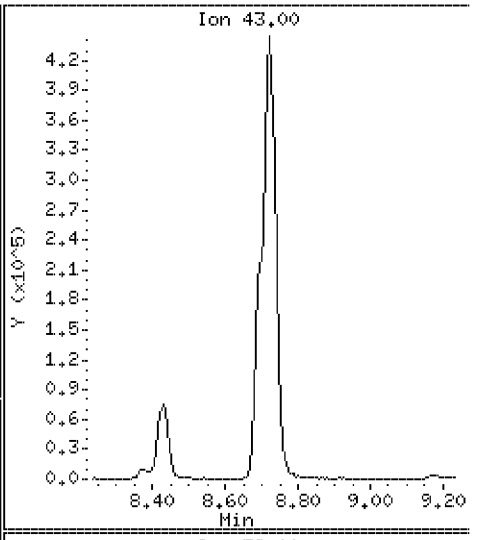
50 4-Methyl-2-Pentanone Concentration: 99.9 ug/l

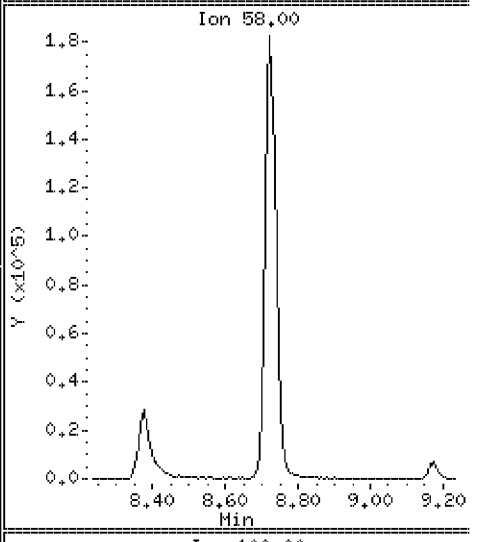


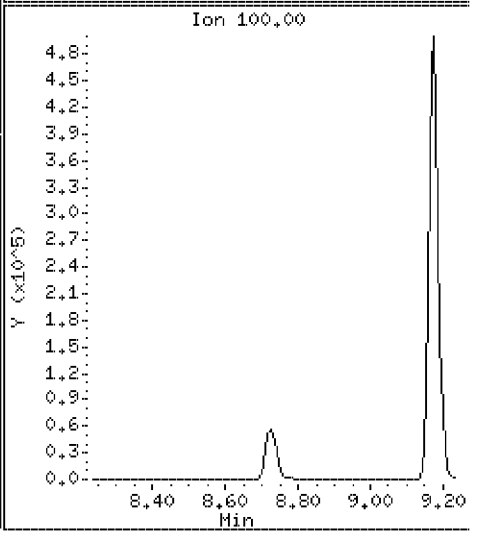












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

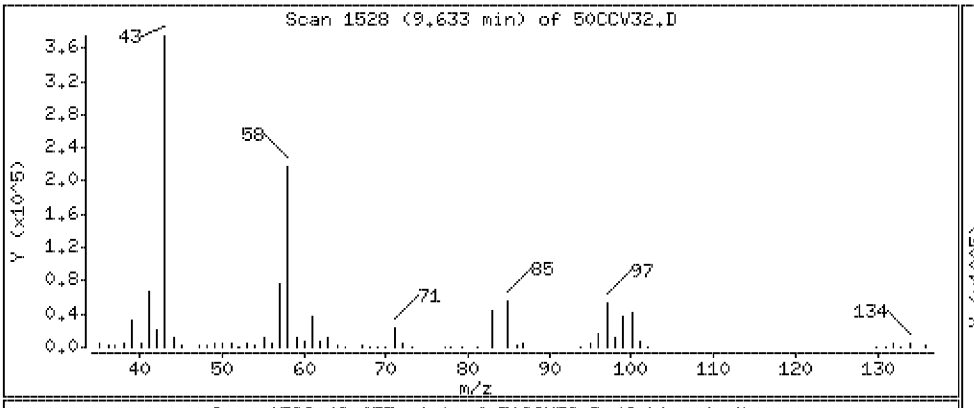
Client ID: 061807CCVA32 Instrument: vms03.i

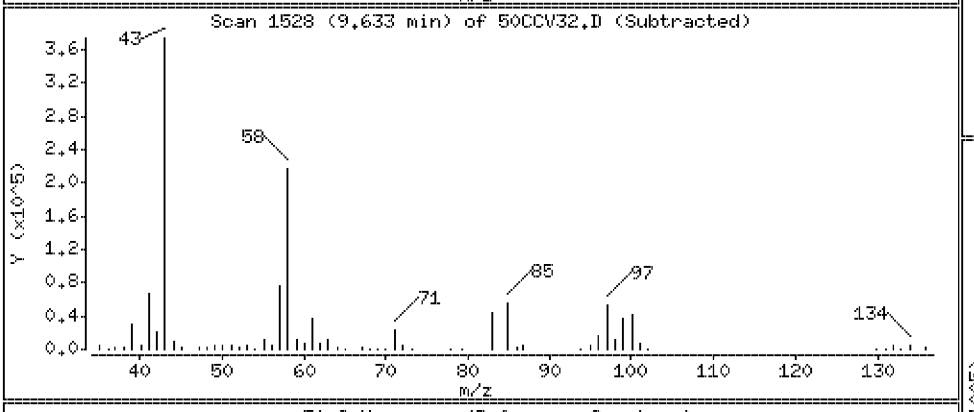
Sample Info: 061807CCVA32

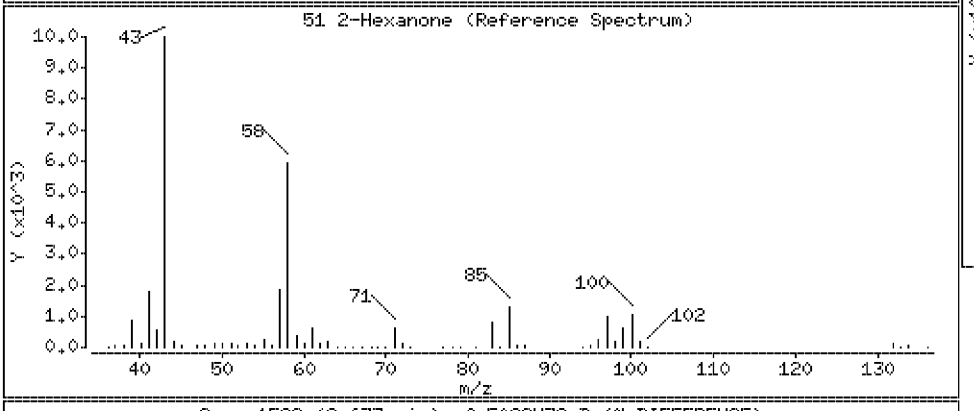
Purge Volume: 5.0 Operator:

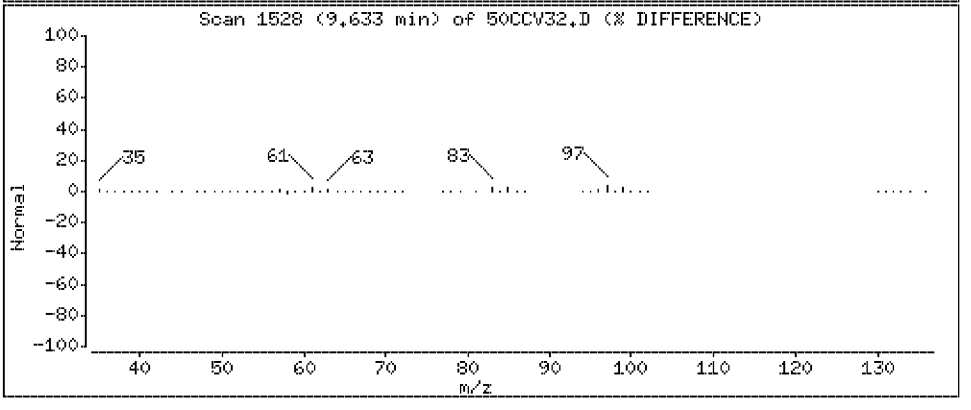
Column phase: DB-624 Column diameter: 0.18

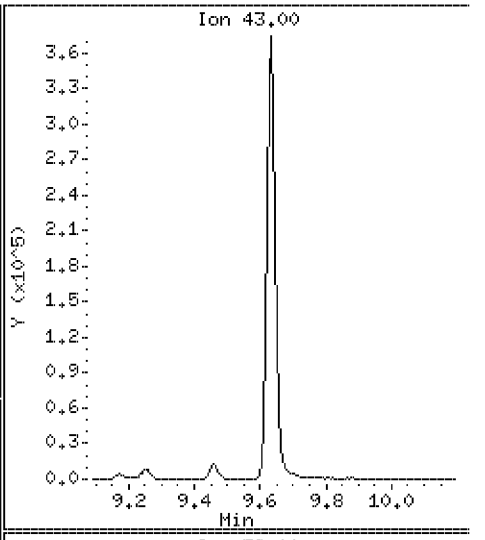
51 2-Hexanone Concentration: 98.7 ug/l

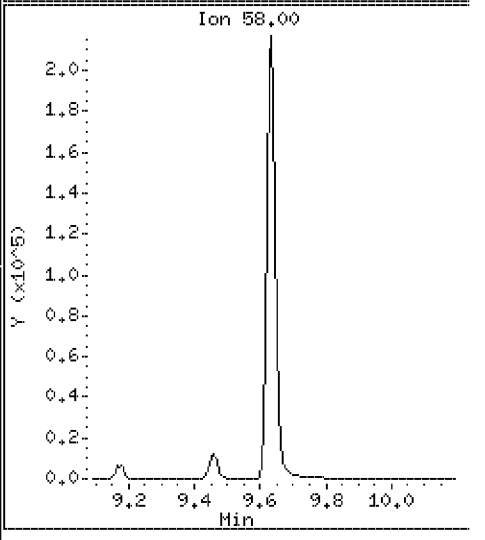












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

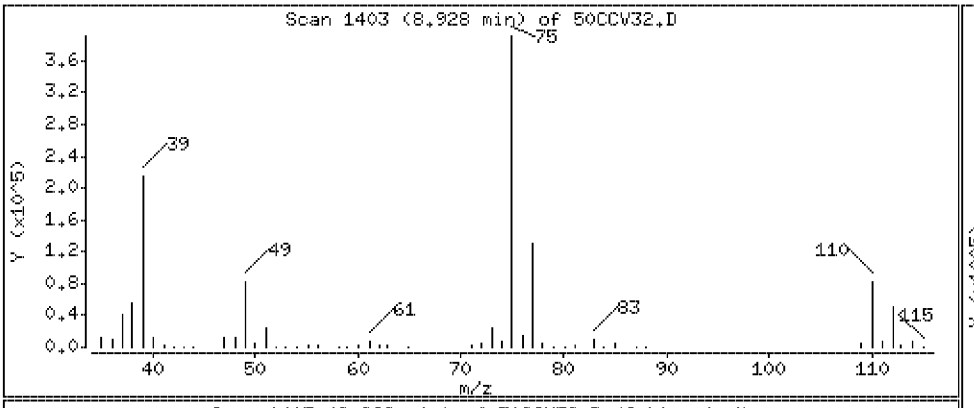
Client ID: 061807CCVA32 Instrument: vms03.i

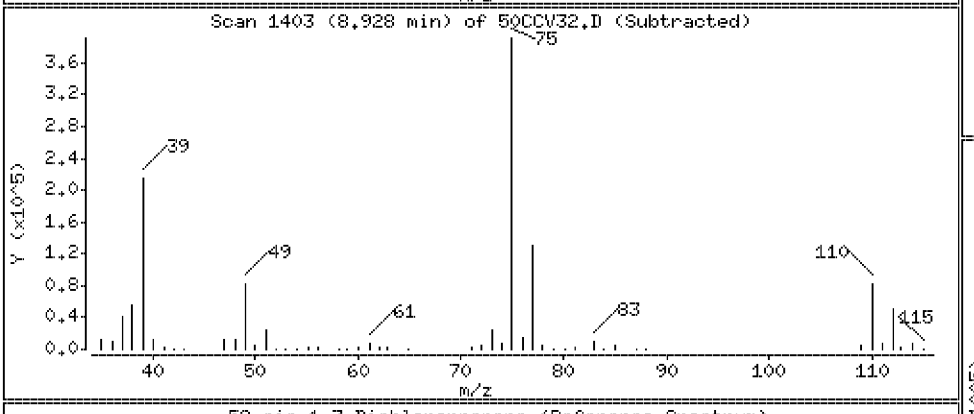
Sample Info: 061807CCVA32

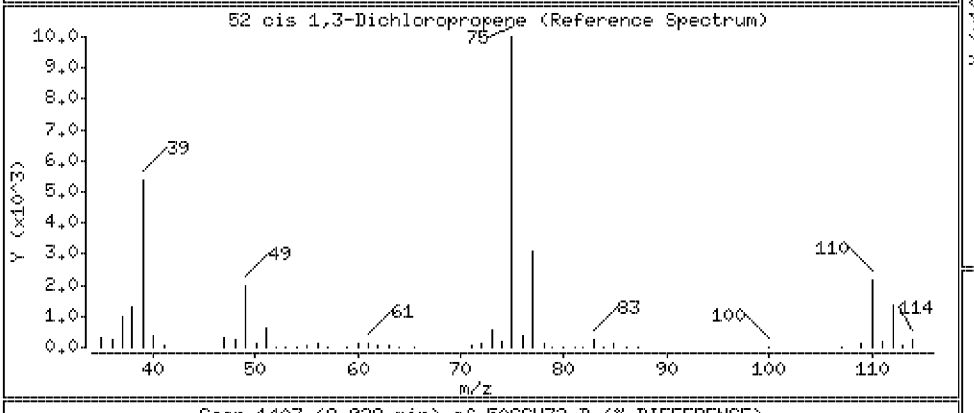
Purge Volume: 5.0 Operator:

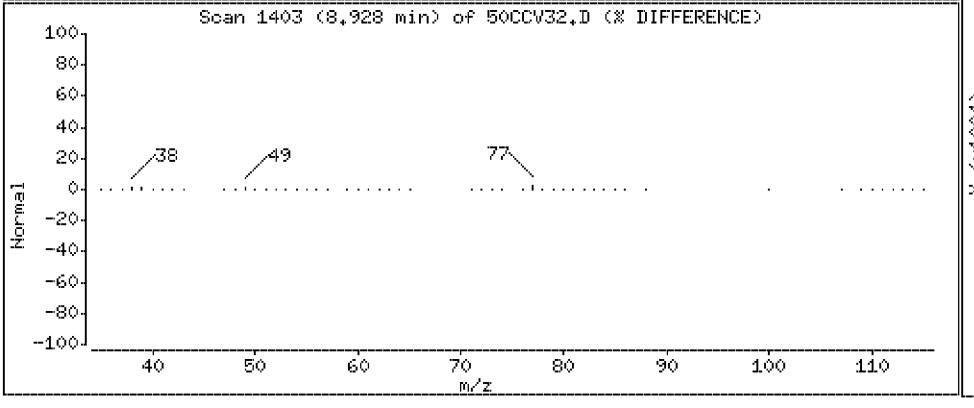
Column phase: DB-624 Column diameter: 0.18

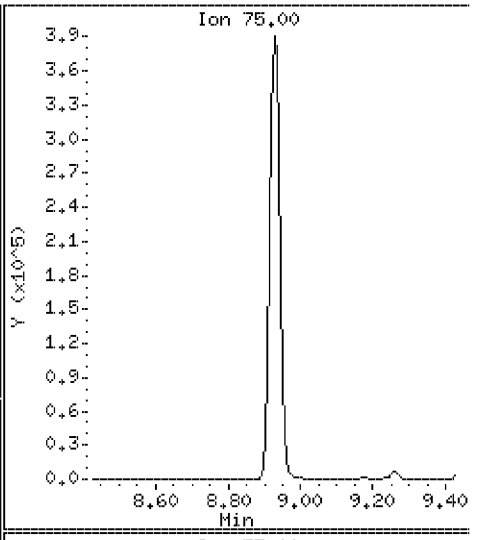
52 cis 1,3-Dichloropropene Concentration: 52.0 ug/l

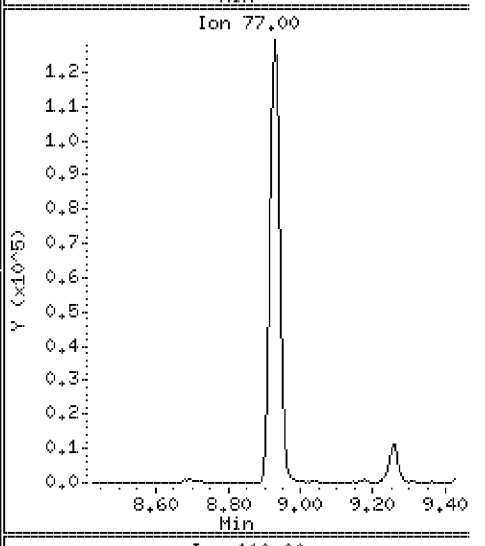


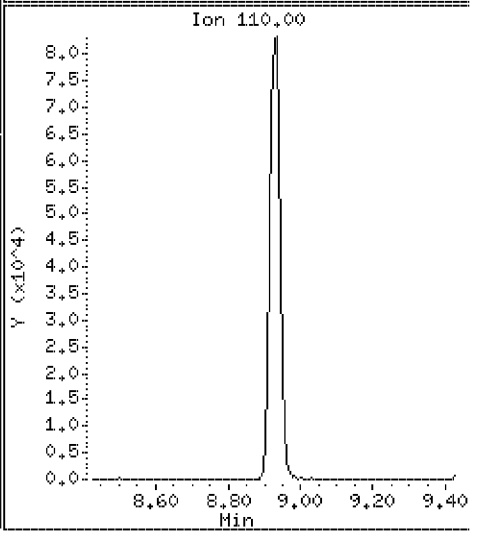












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

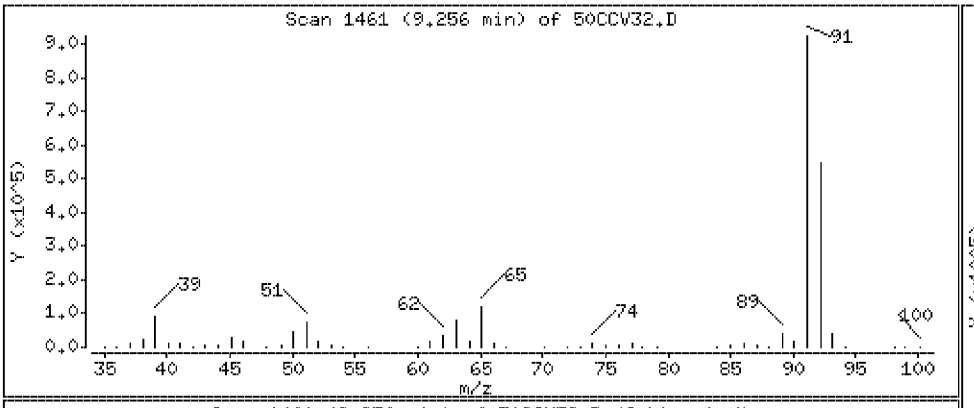
Client ID: 061807CCVA32 Instrument: vms03.i

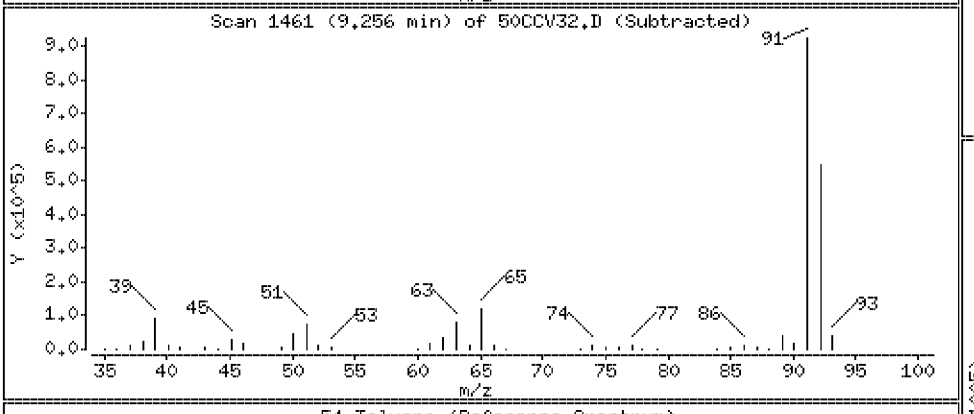
Sample Info: 061807CCVA32

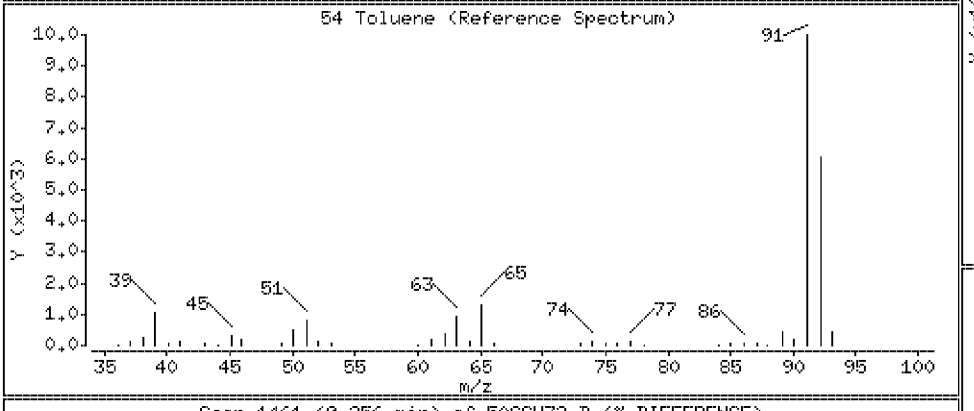
Purge Volume: 5.0 Operator:

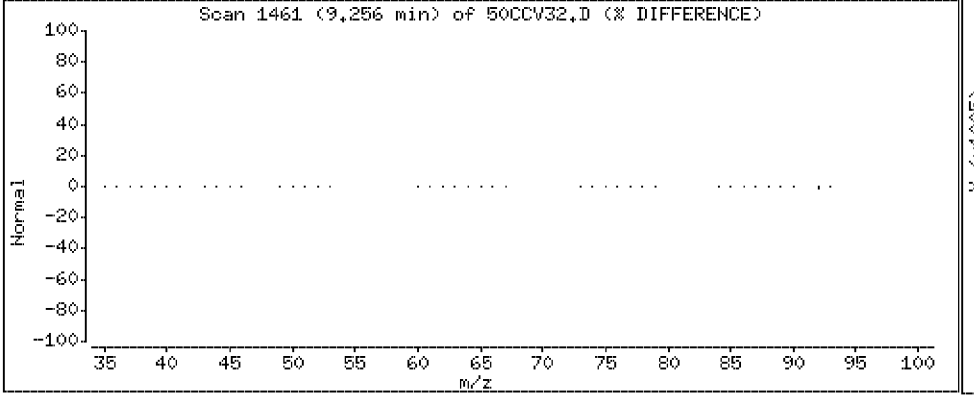
Column phase: DB-624 Column diameter: 0.18

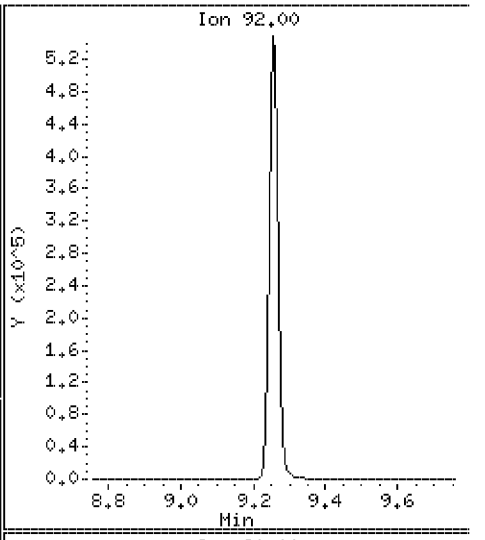
54 Toluene Concentration: 49.3 ug/l

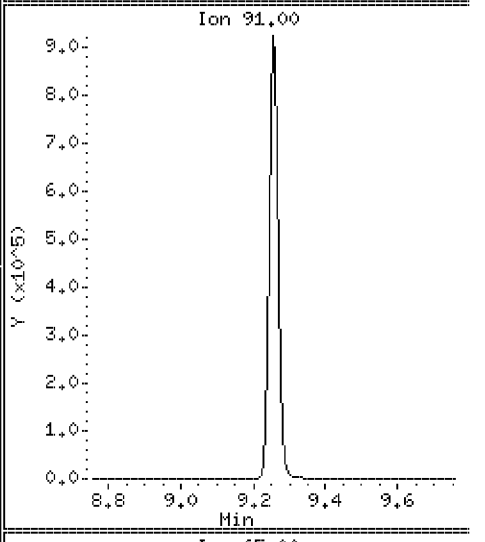


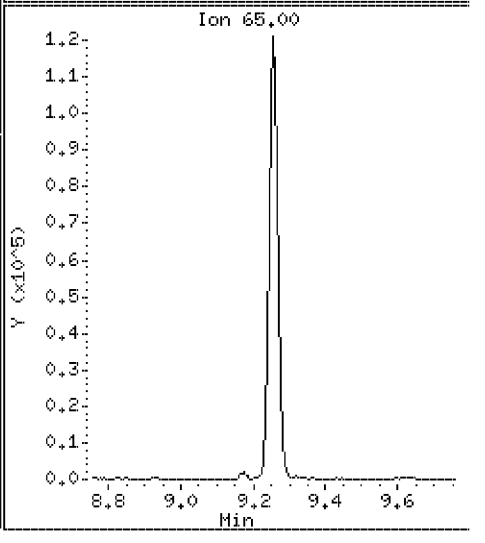












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

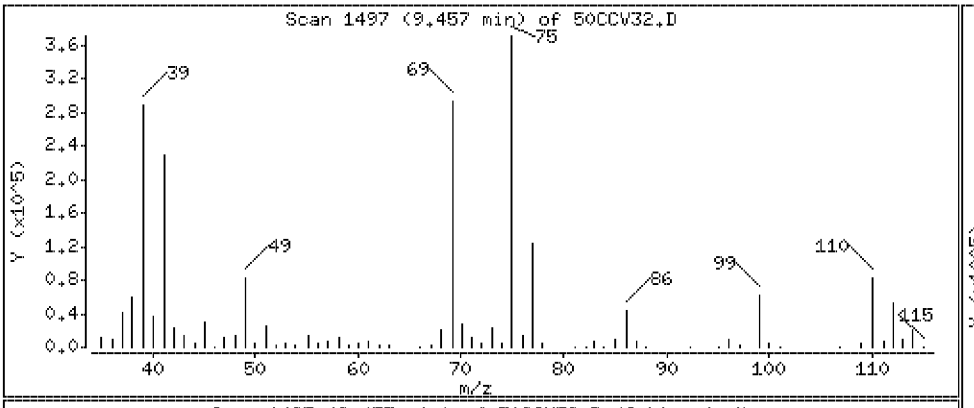
Client ID: 061807CCVA32 Instrument: vms03.i

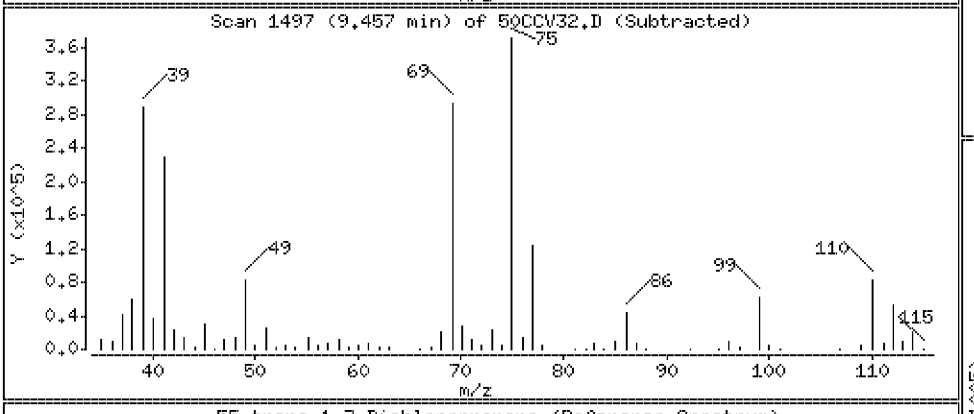
Sample Info: 061807CCVA32

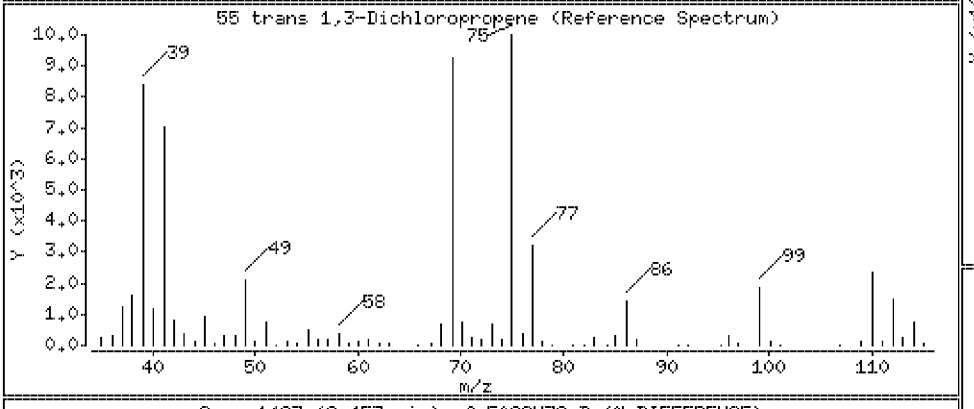
Purge Volume: 5.0 Operator:

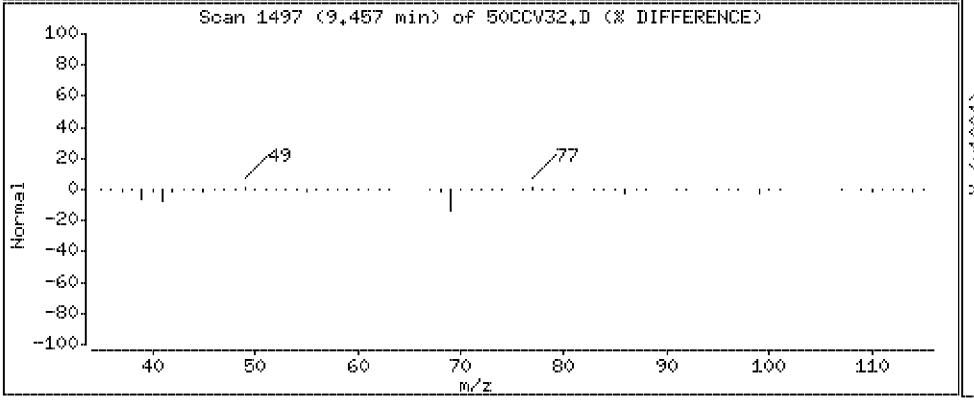
Column phase: DB-624 Column diameter: 0.18

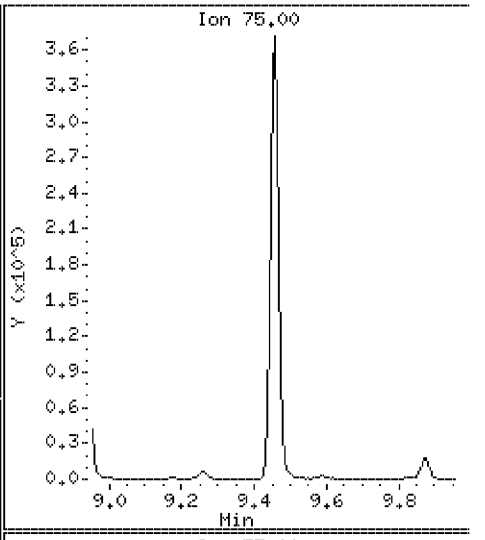
55 trans 1,3-Dichloropropene Concentration: 52.2 ug/l

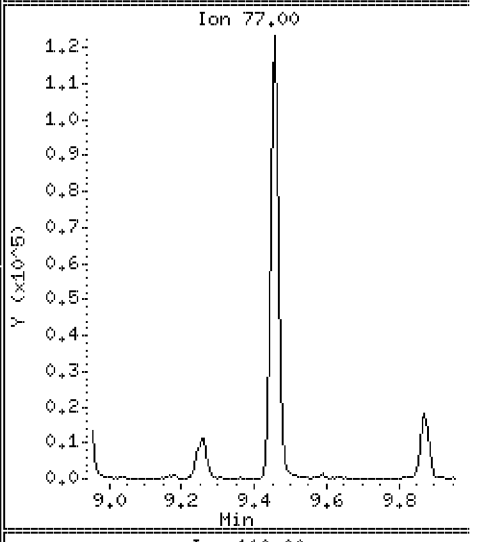


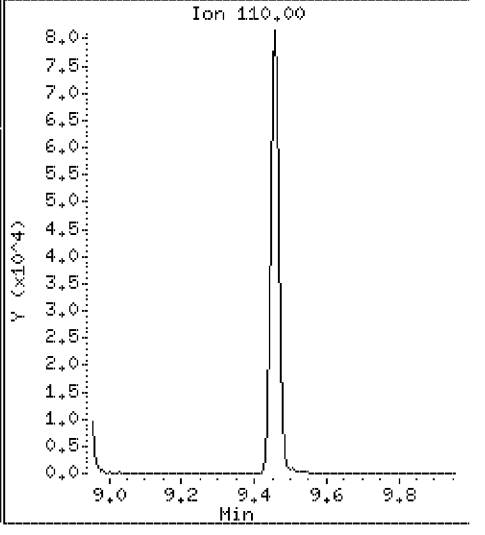












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

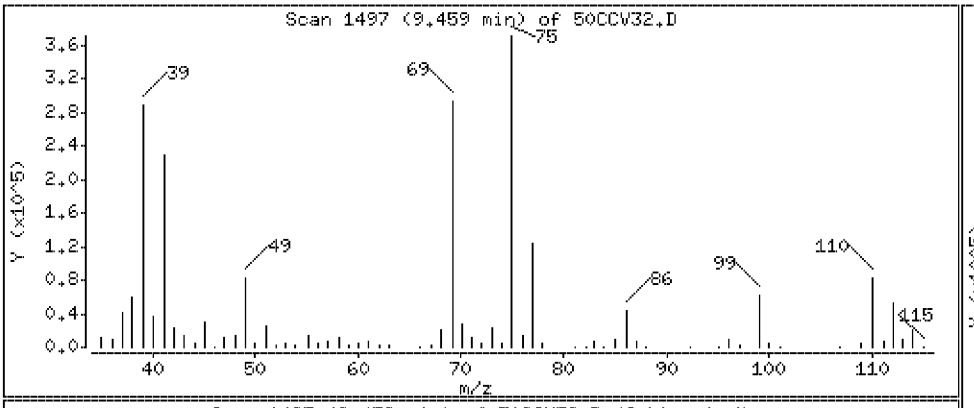
Client ID: 061807CCVA32 Instrument: vms03.i

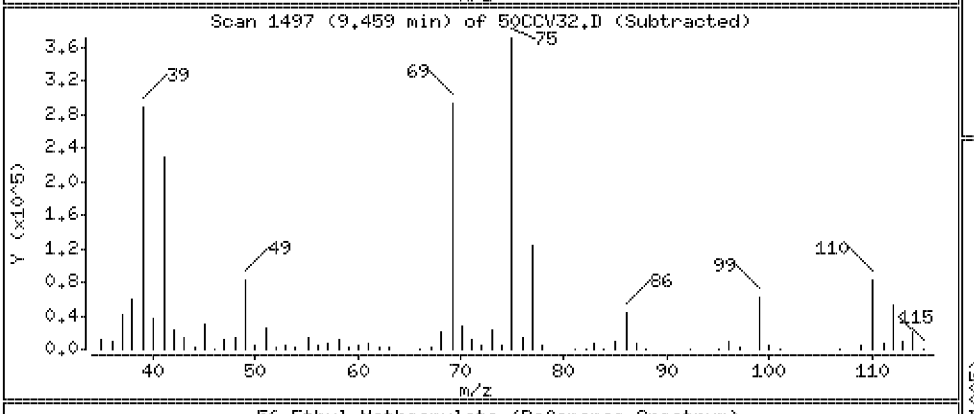
Sample Info: 061807CCVA32

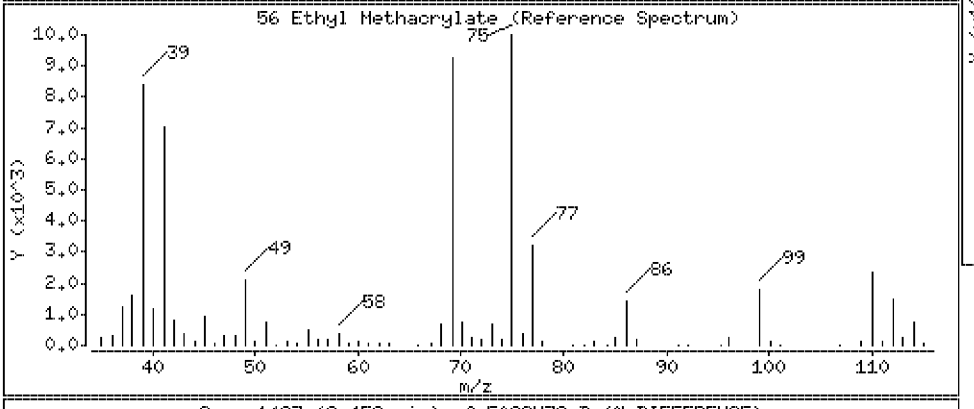
Purge Volume: 5.0 Operator:

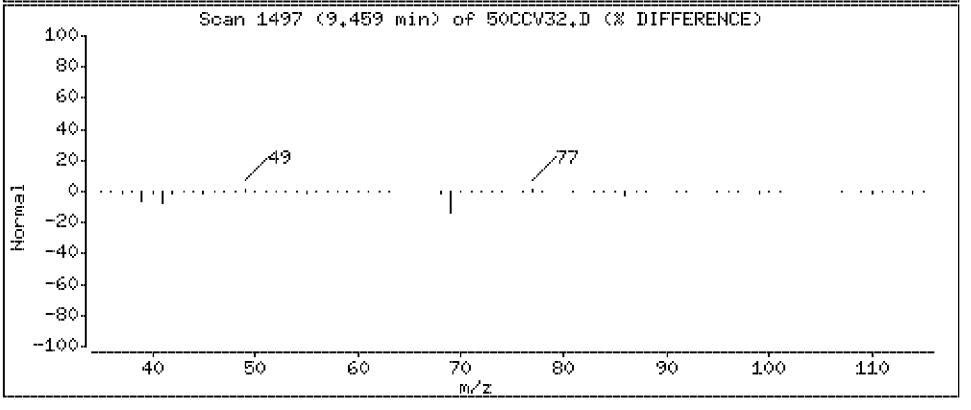
Column phase: DB-624 Column diameter: 0.18

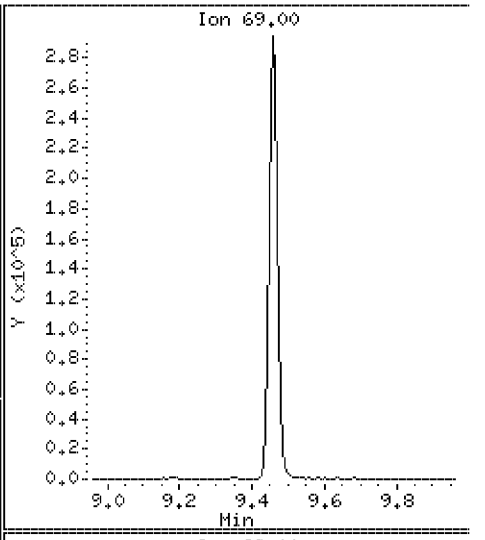
56 Ethyl Methacrylate Concentration: 52.8 ug/l

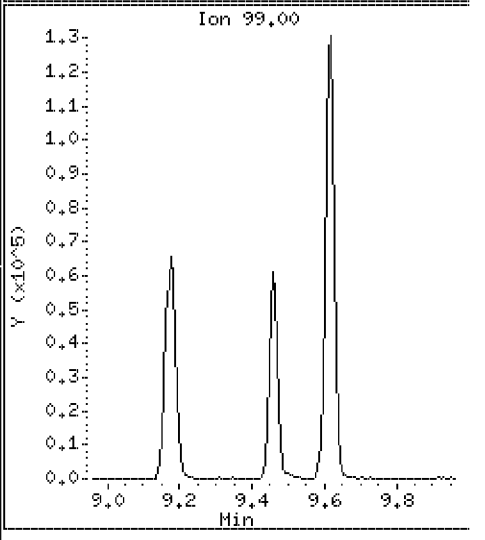












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

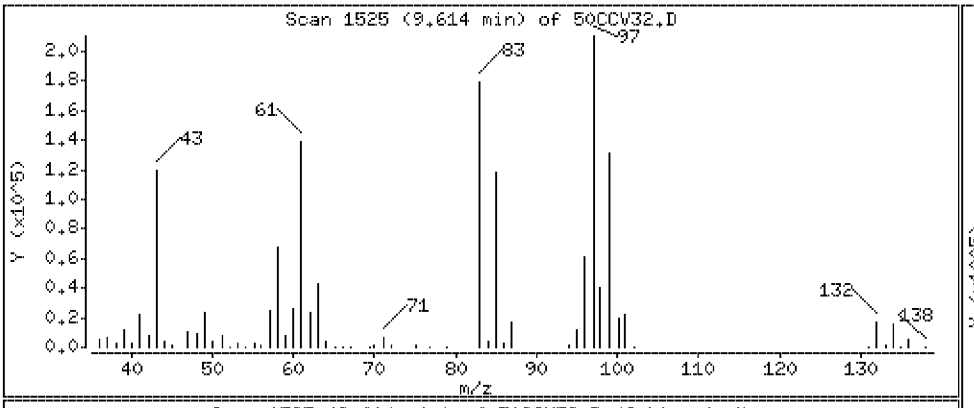
Client ID: 061807CCVA32 Instrument: vms03.i

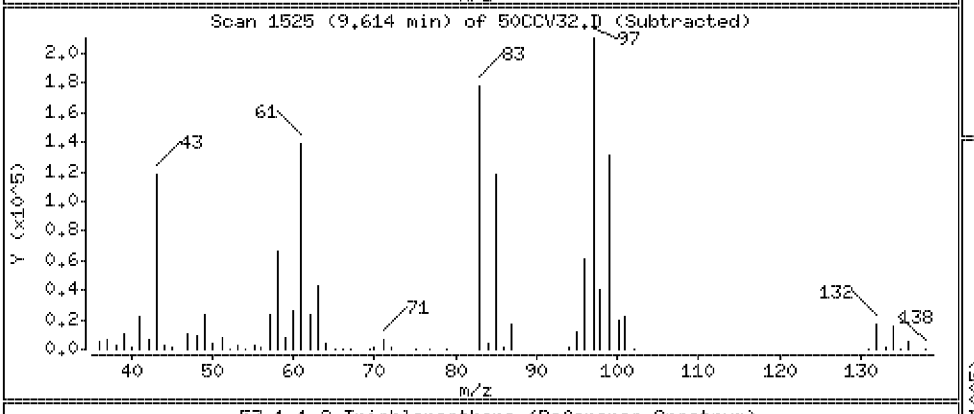
Sample Info: 061807CCVA32

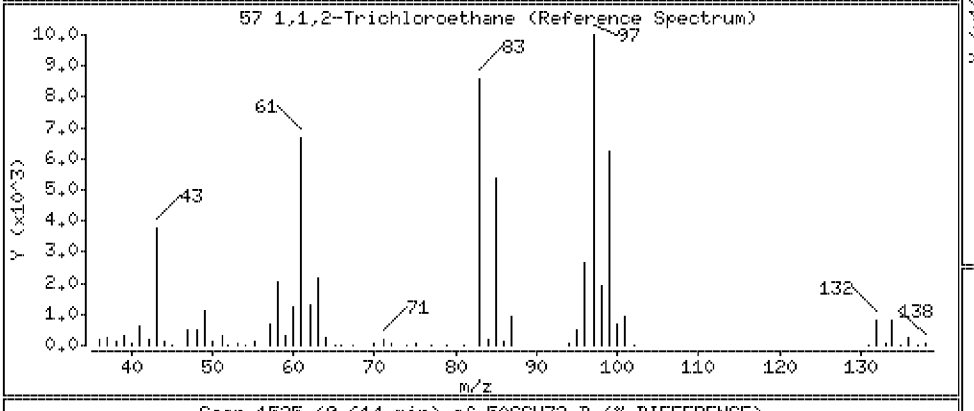
Purge Volume: 5.0 Operator:

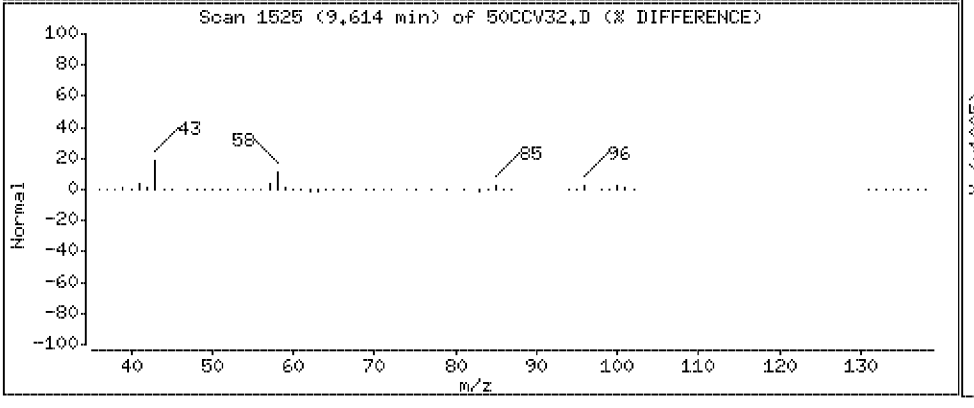
Column phase: DB-624 Column diameter: 0.18

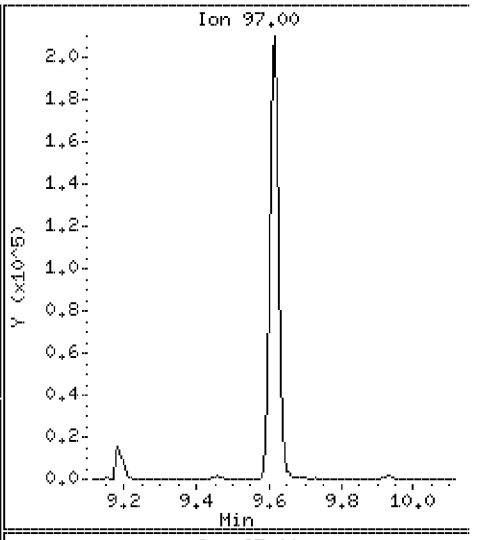
57 1,1,2-Trichloroethane Concentration: 48.2 ug/l

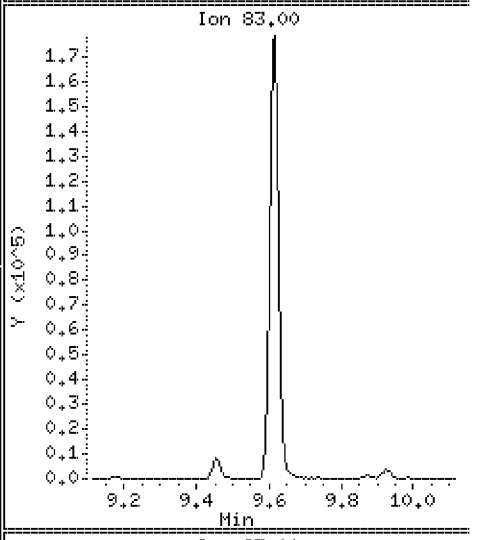


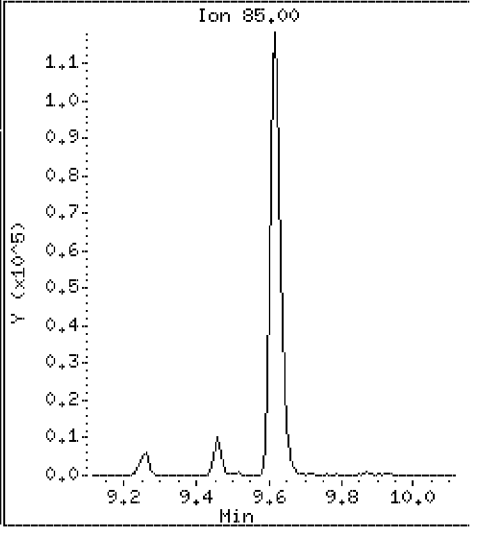












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

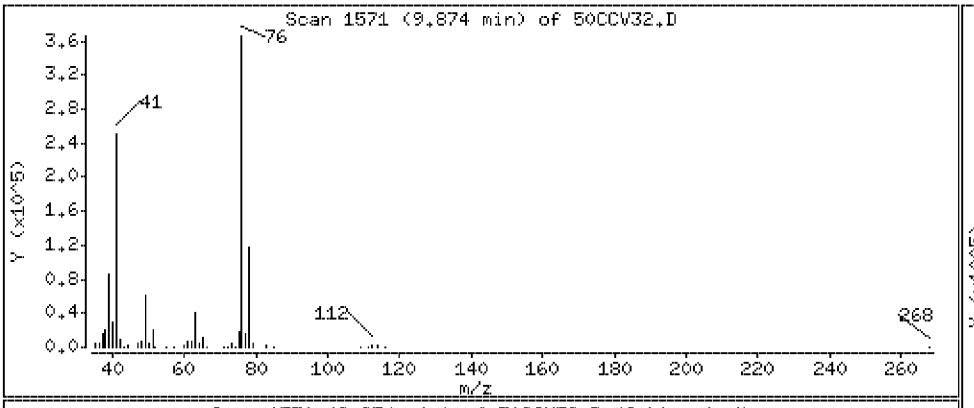
Client ID: 061807CCVA32 Instrument: vms03.i

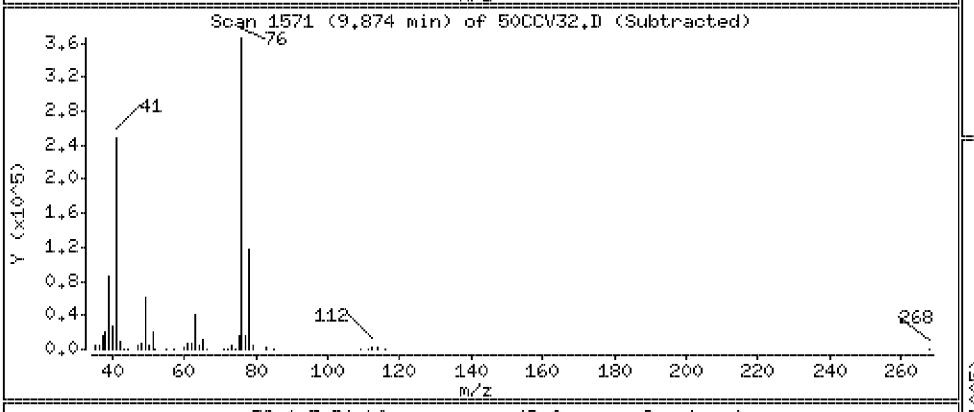
Sample Info: 061807CCVA32

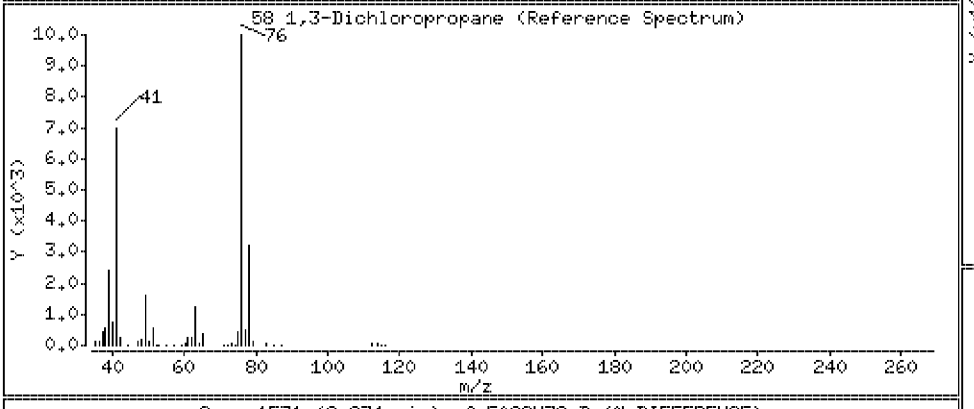
Purge Volume: 5.0 Operator:

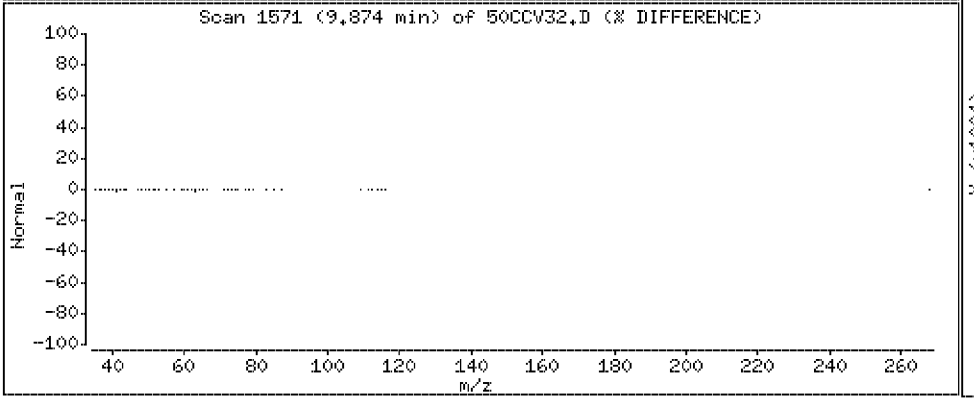
Column phase: DB-624 Column diameter: 0.18

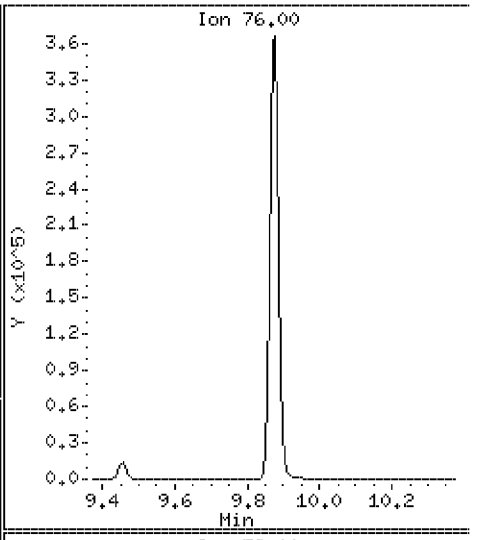
58 1,3-Dichloropropane Concentration: 48.4 ug/l

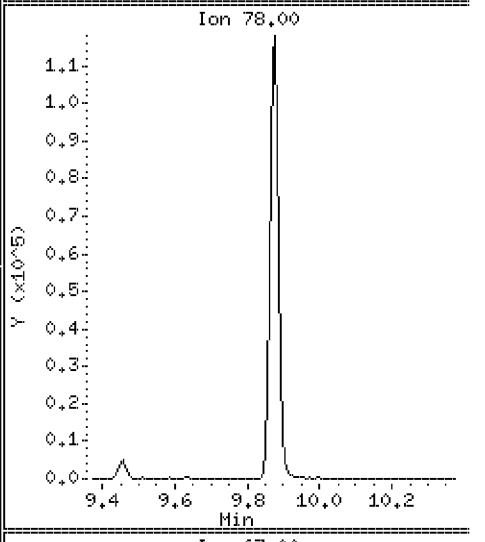


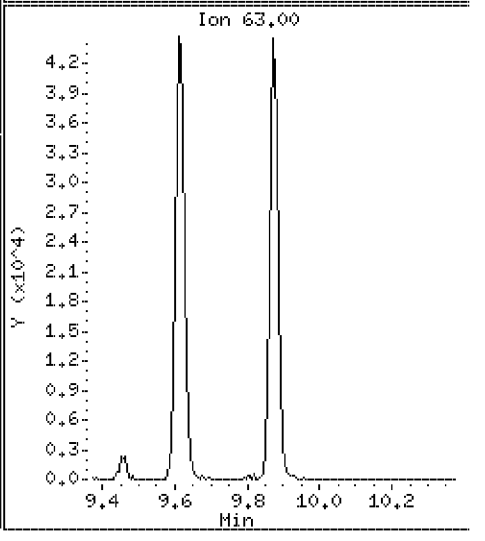












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

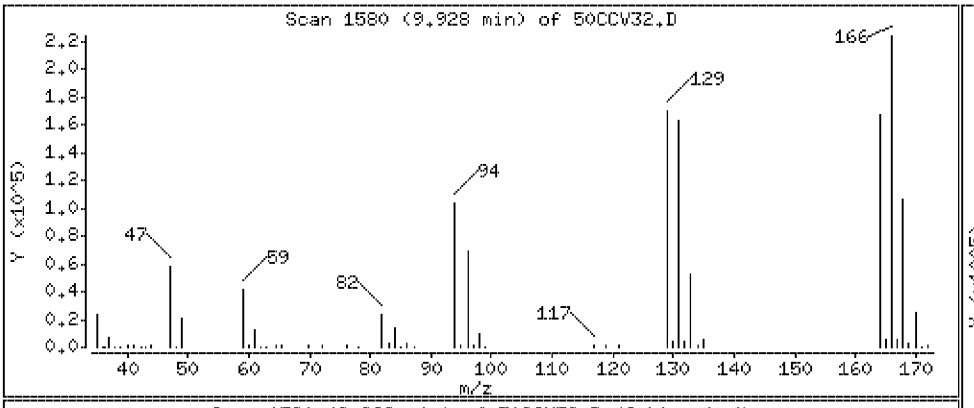
Client ID: 061807CCVA32 Instrument: vms03.i

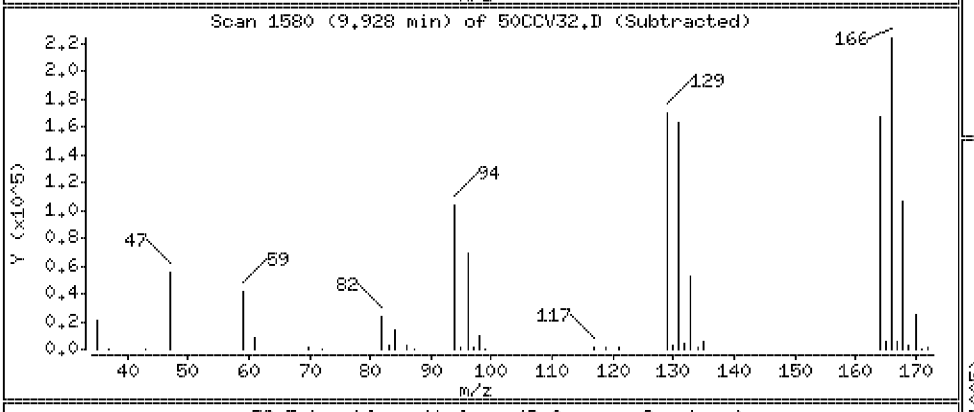
Sample Info: 061807CCVA32

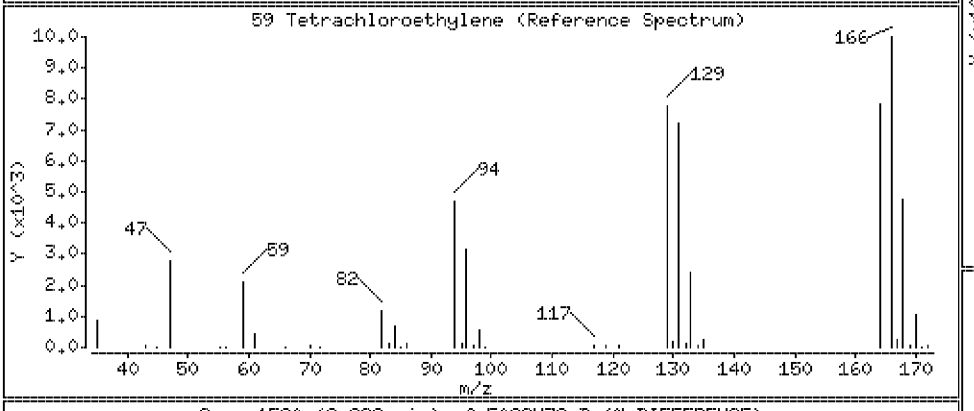
Purge Volume: 5.0 Operator:

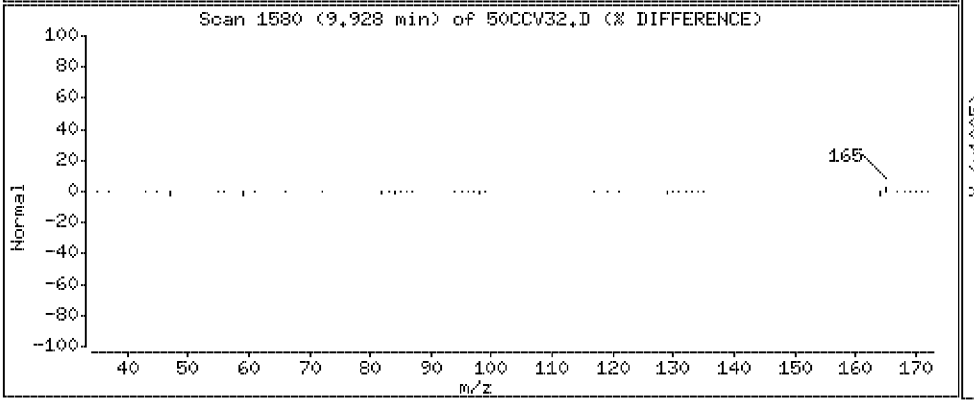
Column phase: DB-624 Column diameter: 0.18

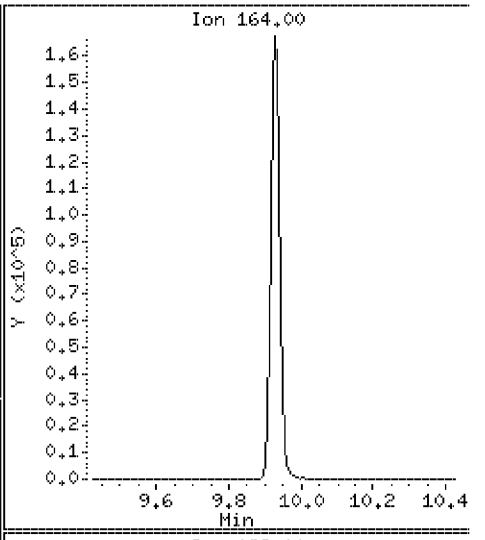
59 Tetrachloroethylene Concentration: 48.4 ug/l

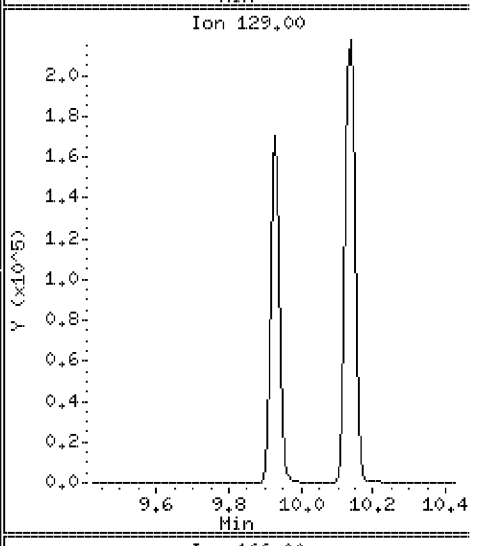


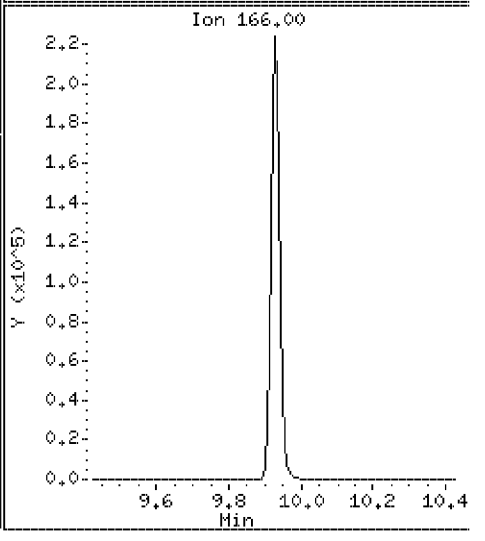












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

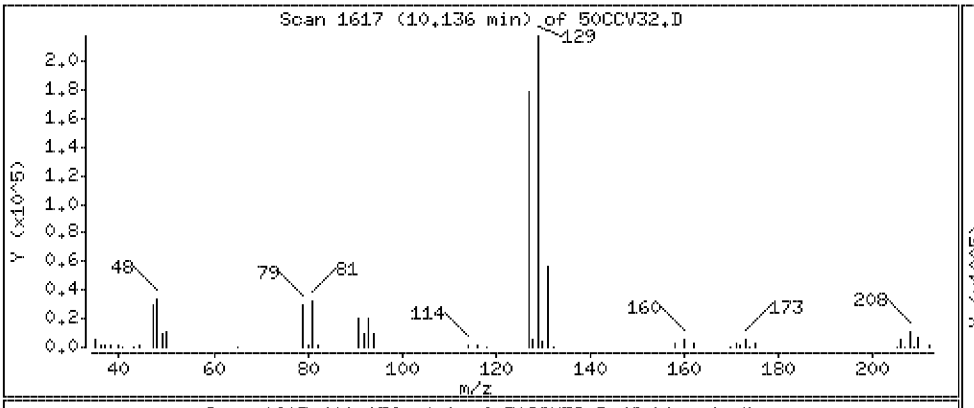
Client ID: 061807CCVA32 Instrument: vms03.i

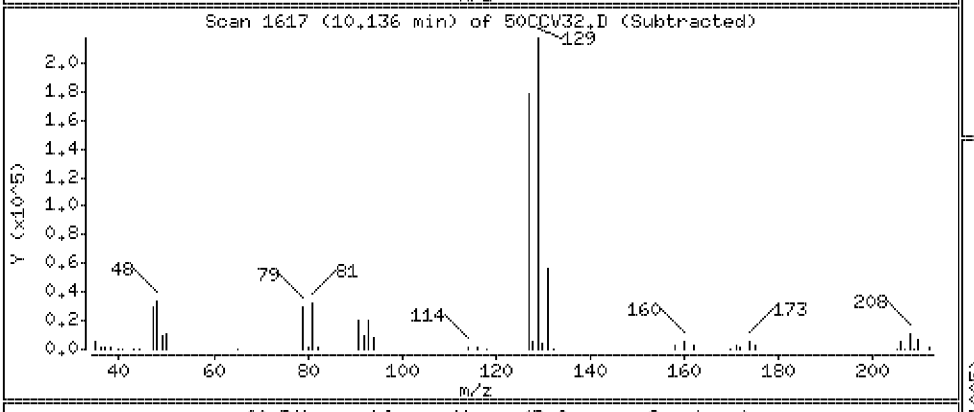
Sample Info: 061807CCVA32

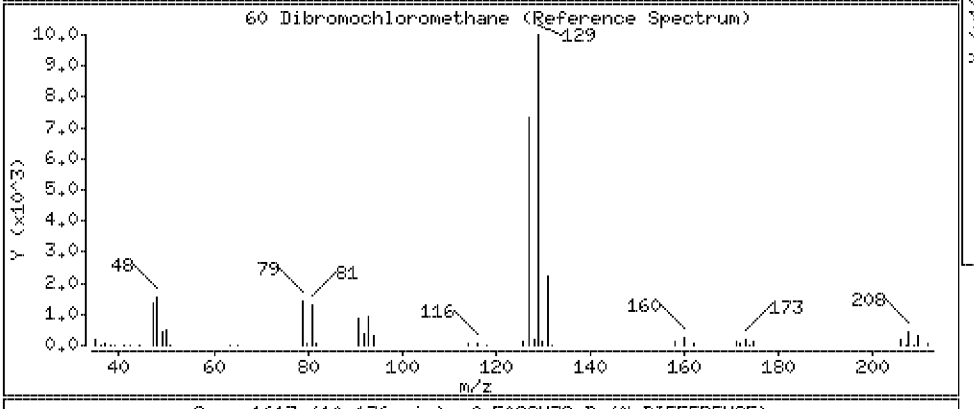
Purge Volume: 5.0 Operator:

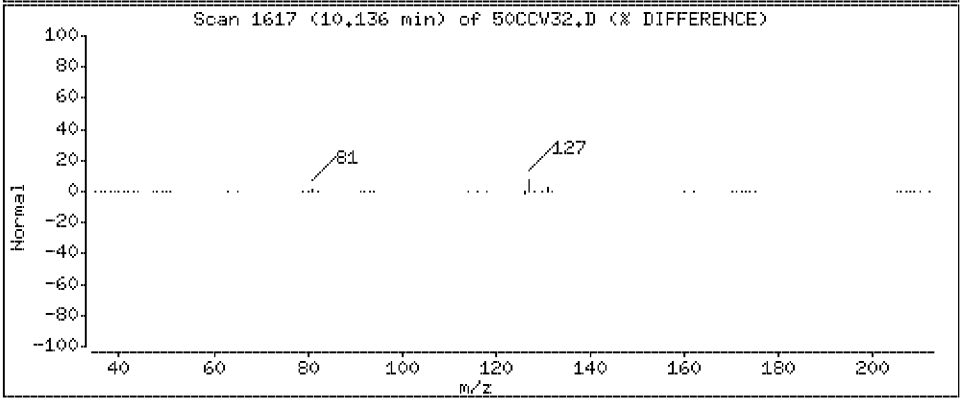
Column phase: DB-624 Column diameter: 0.18

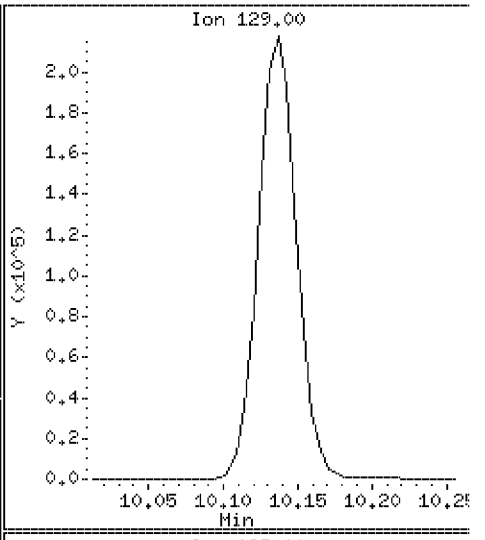
60 Dibromochloromethane Concentration: 51.8 ug/l

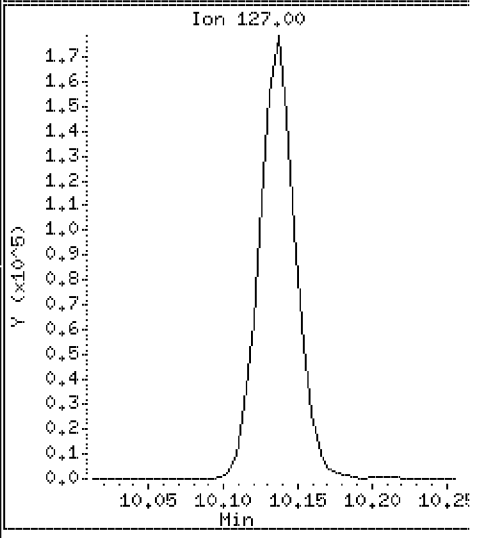












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

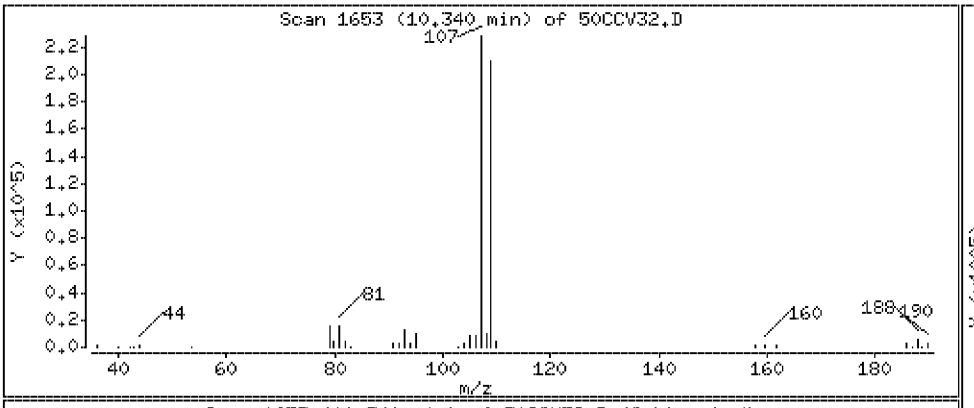
Client ID: 061807CCVA32 Instrument: vms03.i

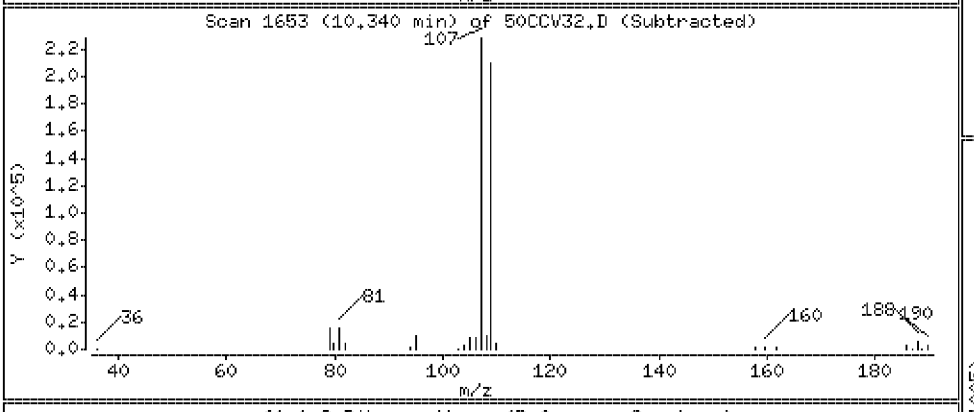
Sample Info: 061807CCVA32

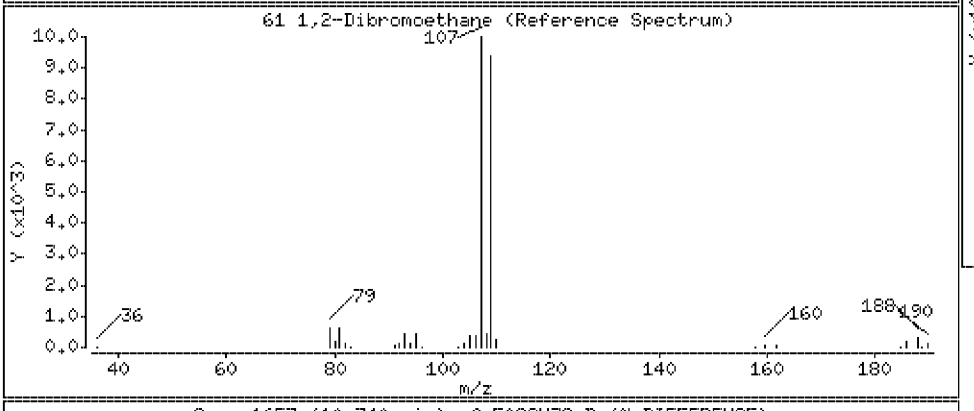
Purge Volume: 5.0 Operator:

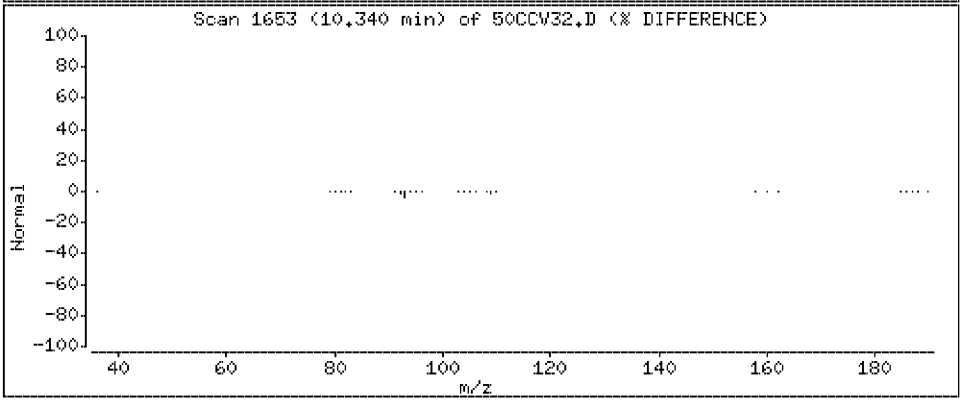
Column phase: DB-624 Column diameter: 0.18

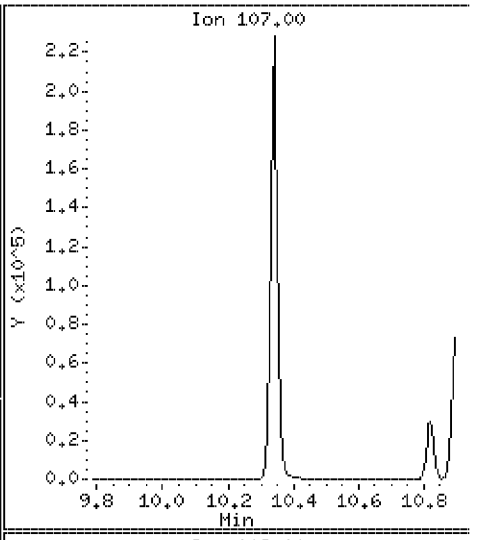
61 1,2-Dibromoethane Concentration: 49.2 ug/l

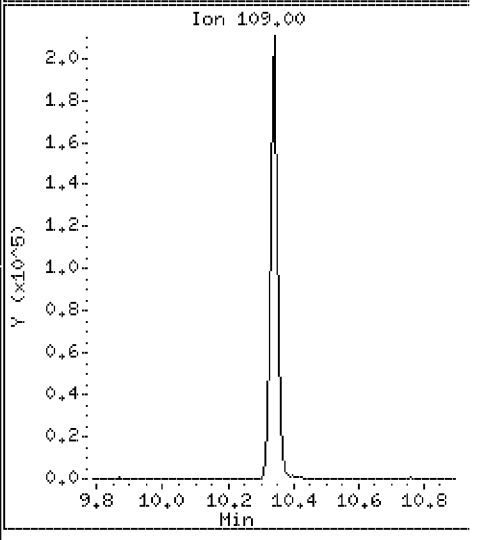












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

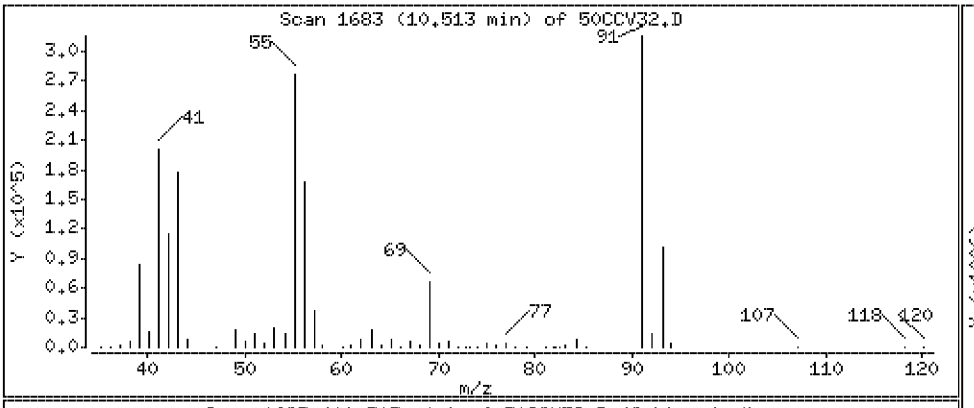
Client ID: 061807CCVA32 Instrument: vms03.i

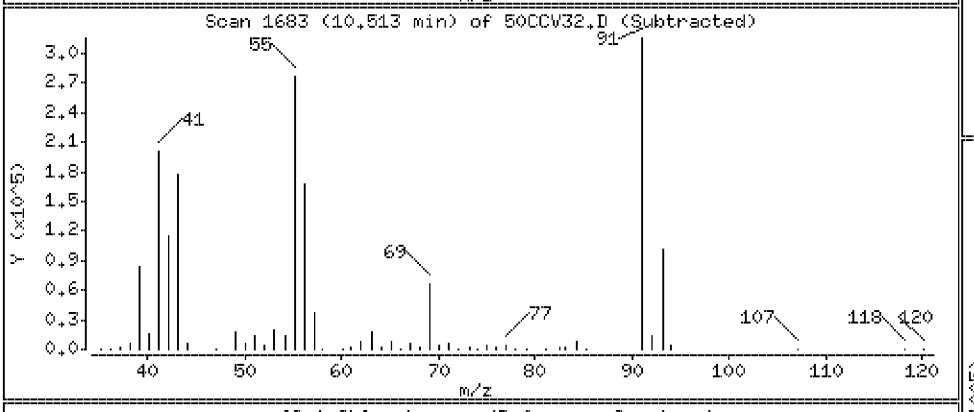
Sample Info: 061807CCVA32

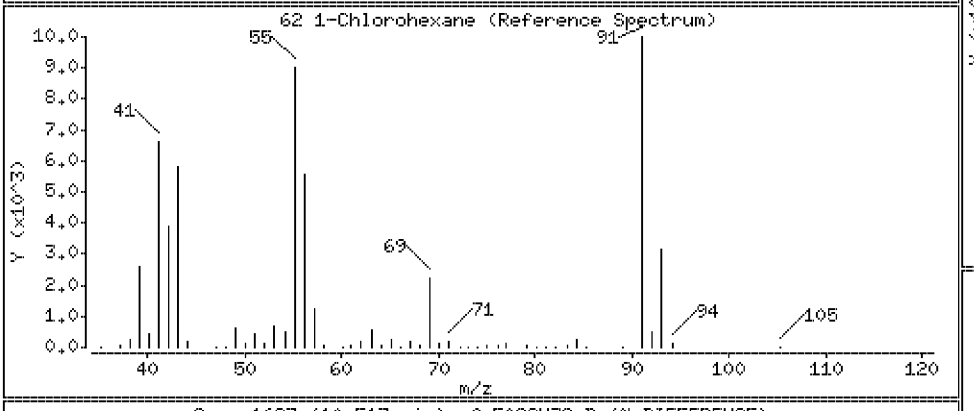
Purge Volume: 5.0 Operator:

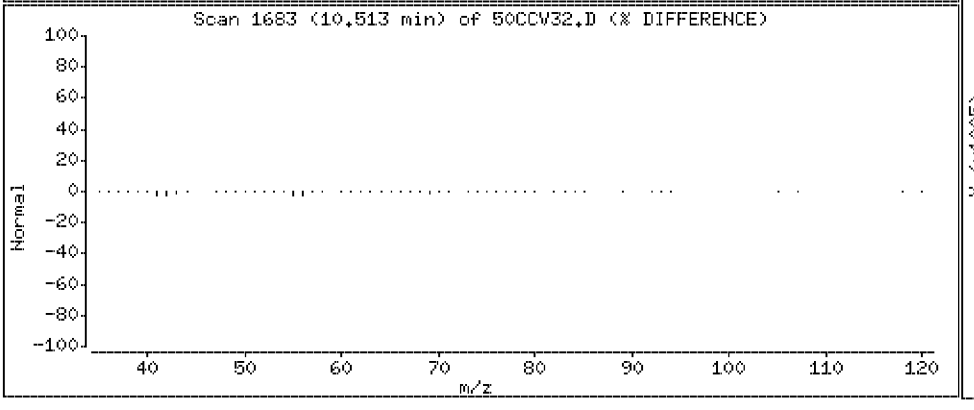
Column phase: DB-624 Column diameter: 0.18

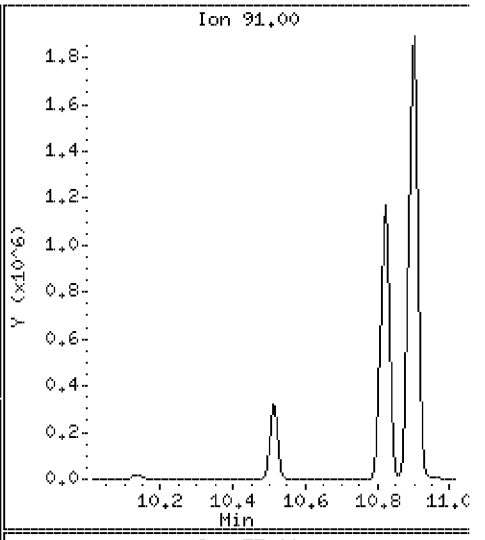
62 1-Chlorohexane Concentration: 50.7 ug/l

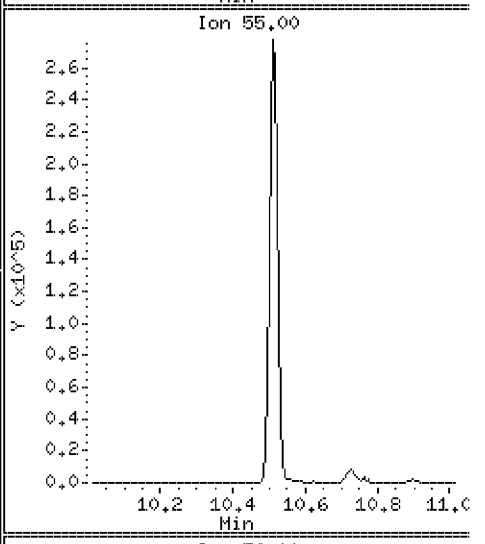


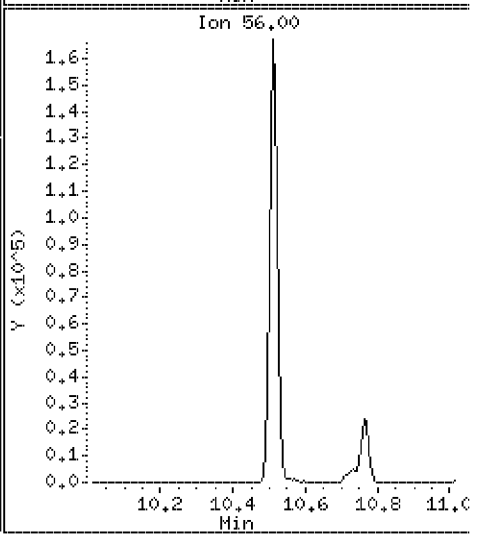












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

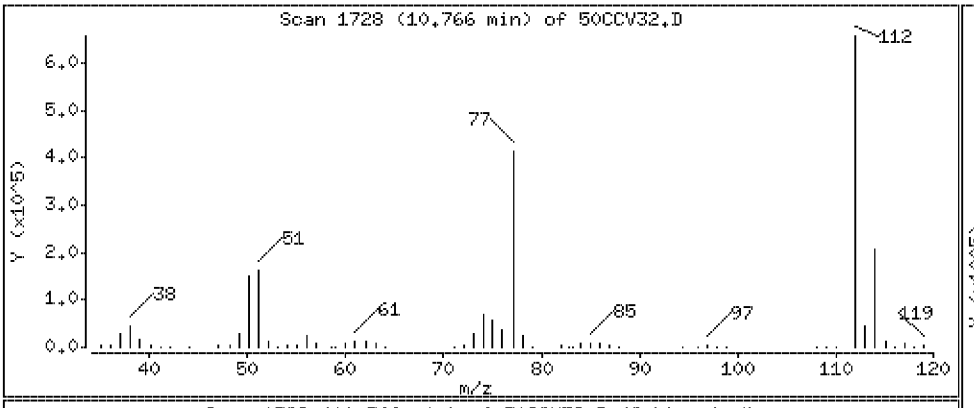
Client ID: 061807CCVA32 Instrument: vms03.i

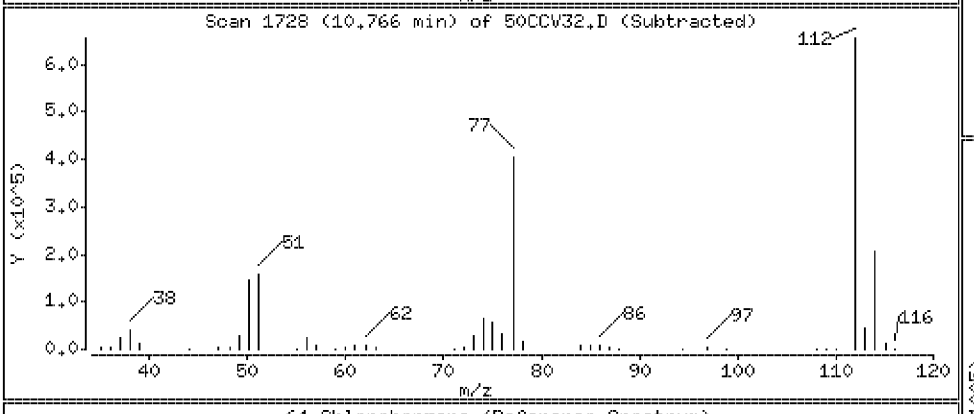
Sample Info: 061807CCVA32

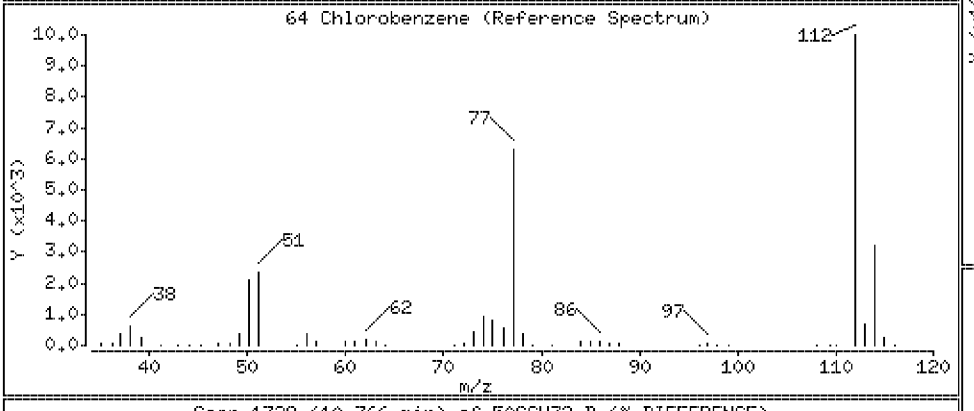
Purge Volume: 5.0 Operator:

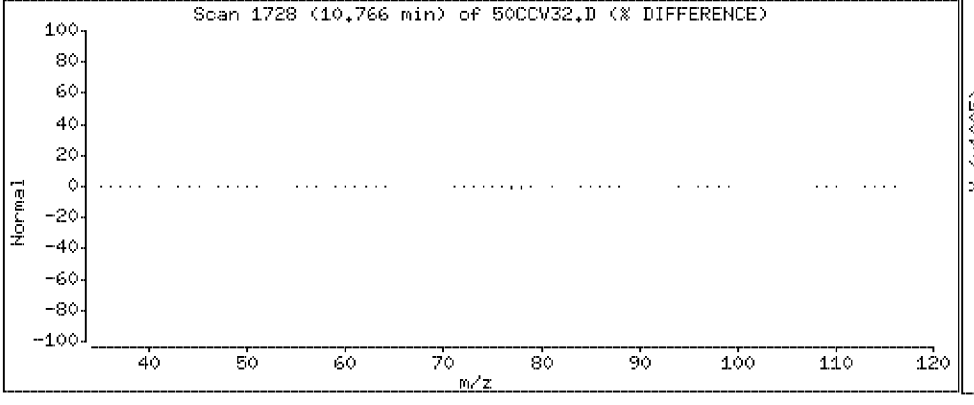
Column phase: DB-624 Column diameter: 0.18

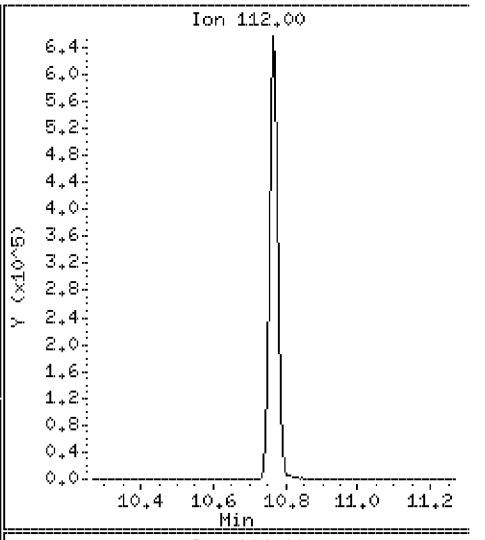
64 Chlorobenzene Concentration: 48.2 ug/l

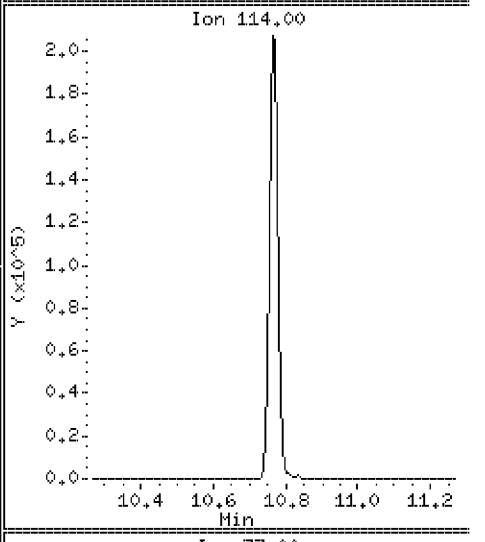


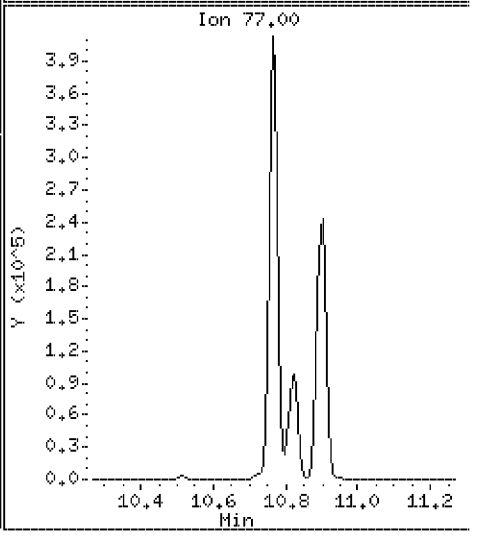












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

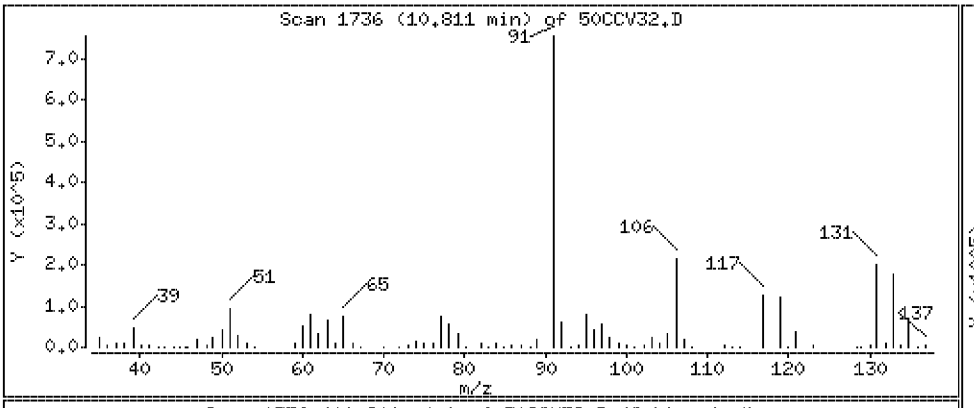
Client ID: 061807CCVA32 Instrument: vms03.i

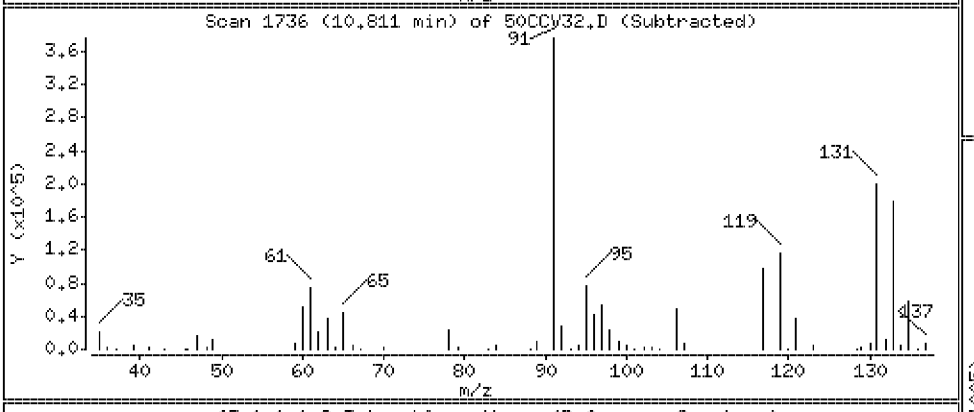
Sample Info: 061807CCVA32

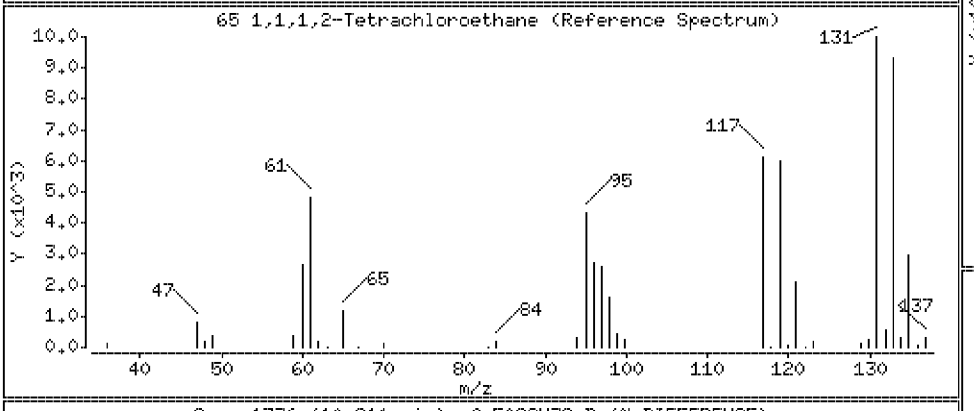
Purge Volume: 5.0 Operator:

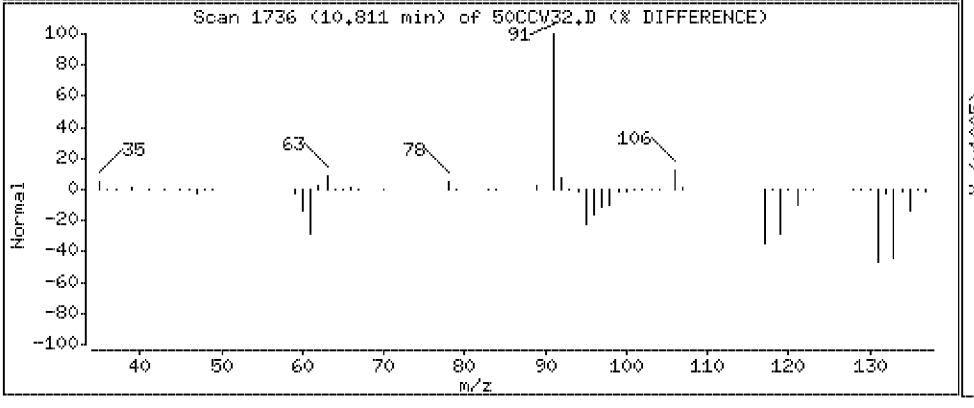
Column phase: DB-624 Column diameter: 0.18

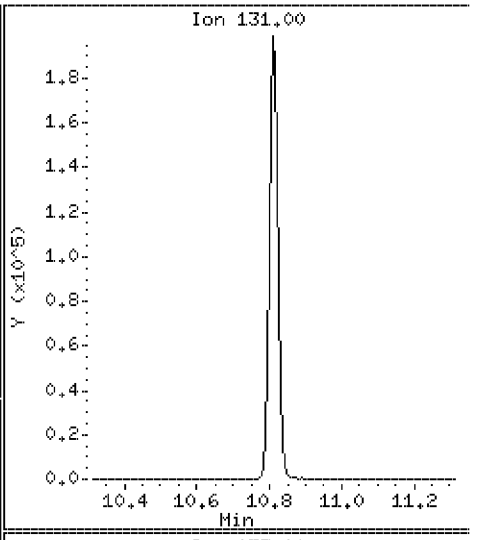
65 1,1,1,2-Tetrachloroethane Concentration: 50.3 ug/l

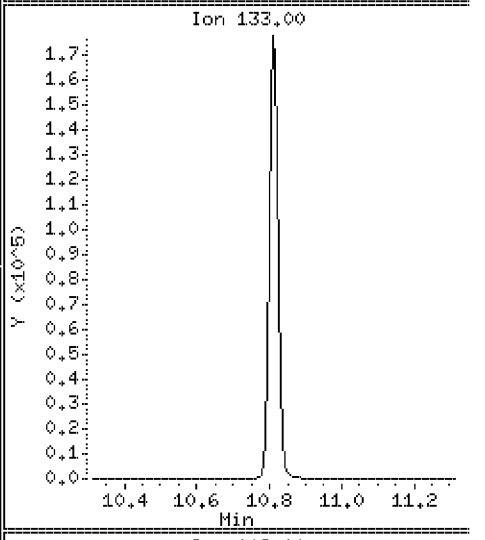


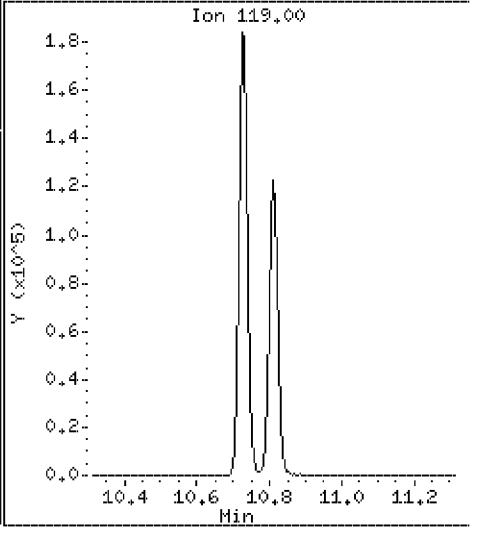












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

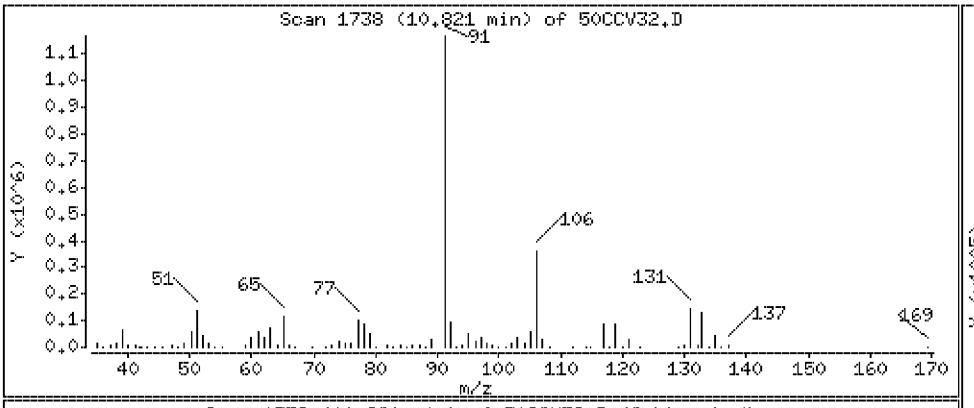
Client ID: 061807CCVA32 Instrument: vms03.i

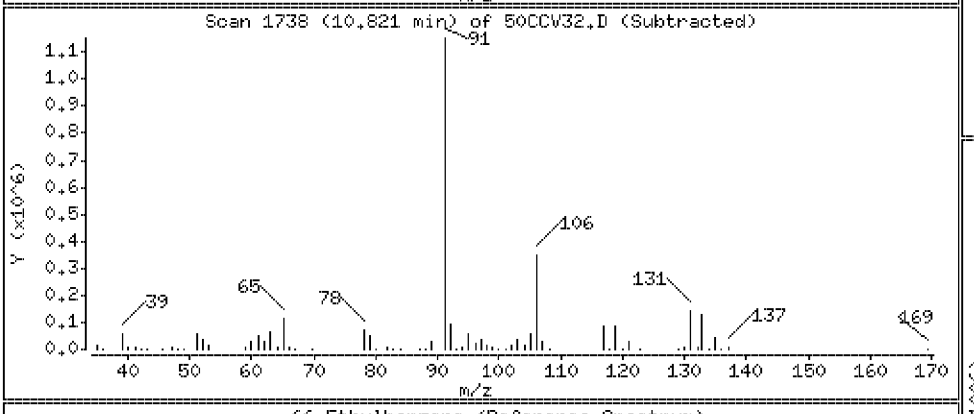
Sample Info: 061807CCVA32

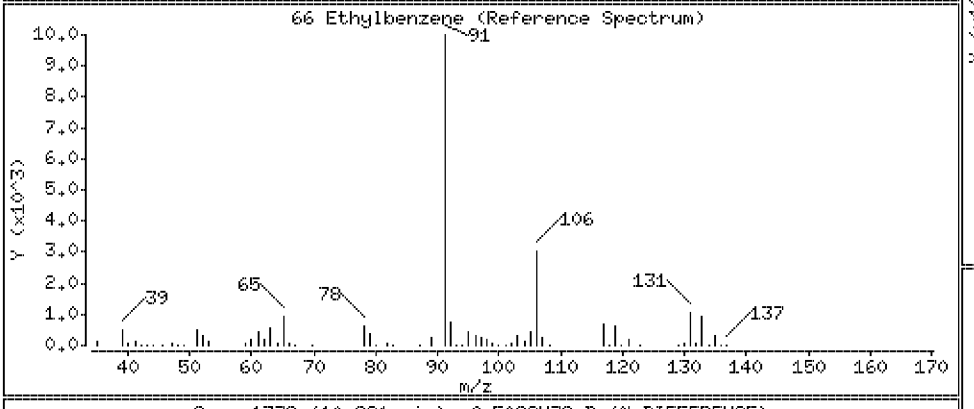
Purge Volume: 5.0 Operator:

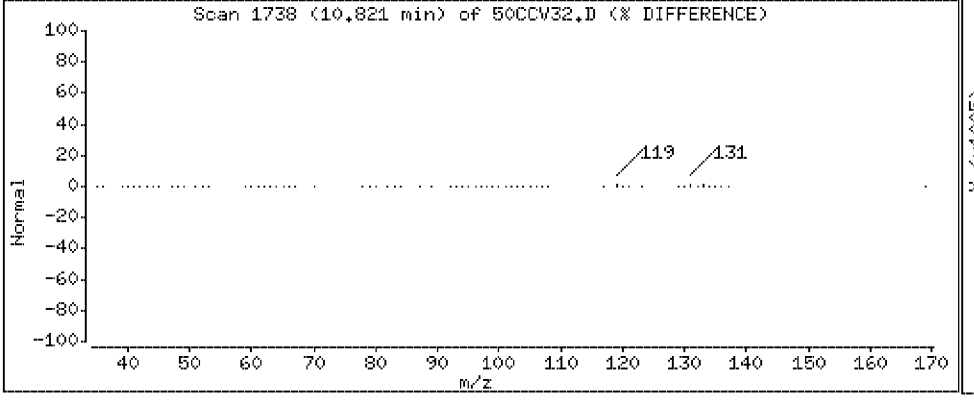
Column phase: DB-624 Column diameter: 0.18

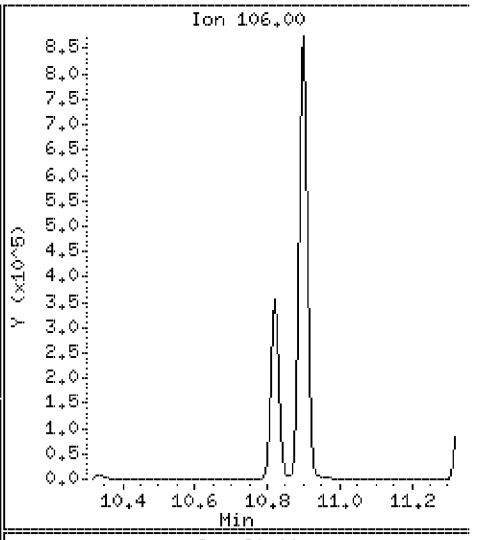
66 Ethylbenzene Concentration: 49.3 ug/l

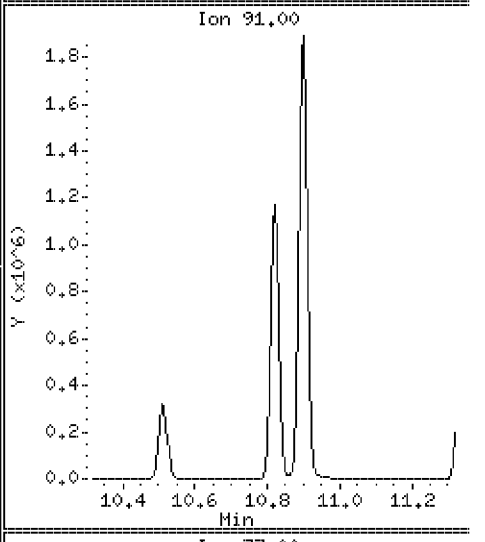


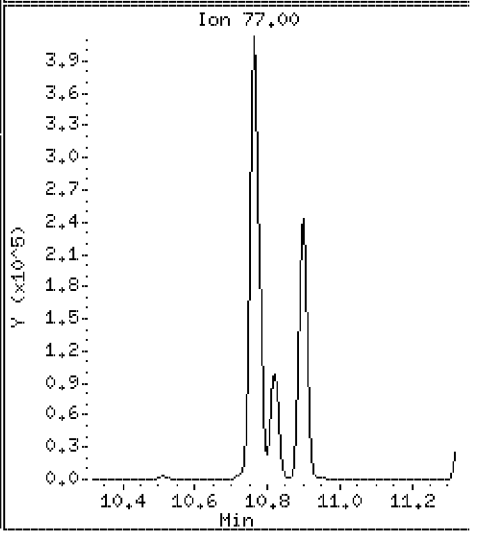












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

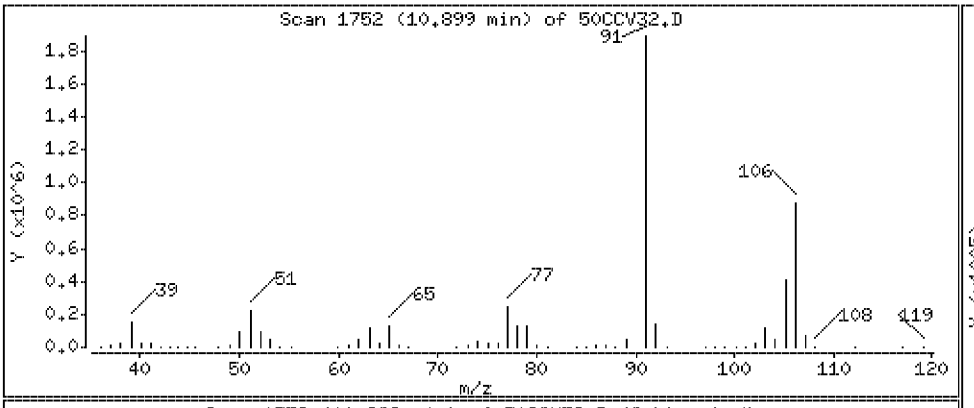
Client ID: 061807CCVA32 Instrument: vms03.i

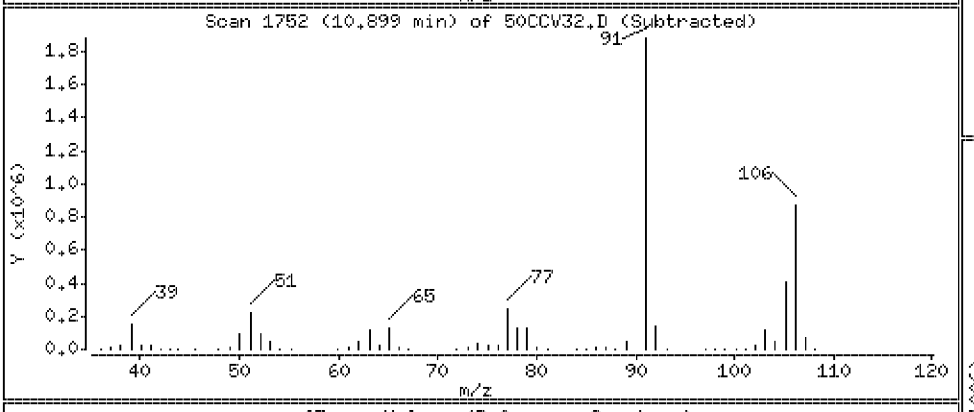
Sample Info: 061807CCVA32

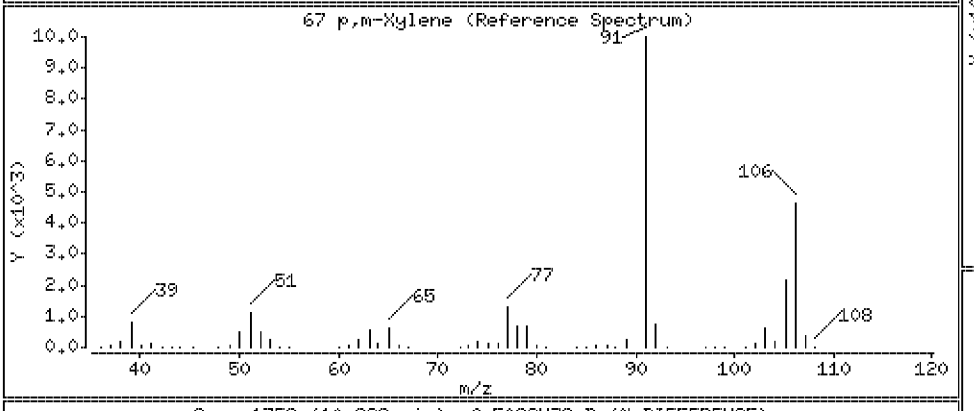
Purge Volume: 5.0 Operator:

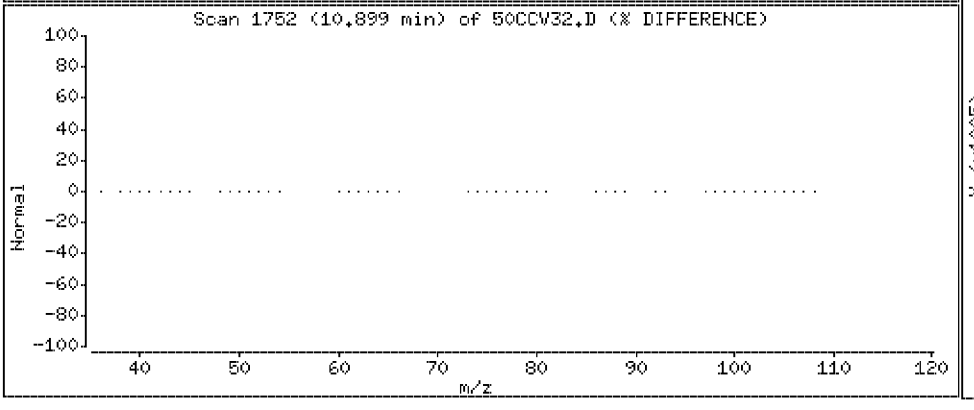
Column phase: DB-624 Column diameter: 0.18

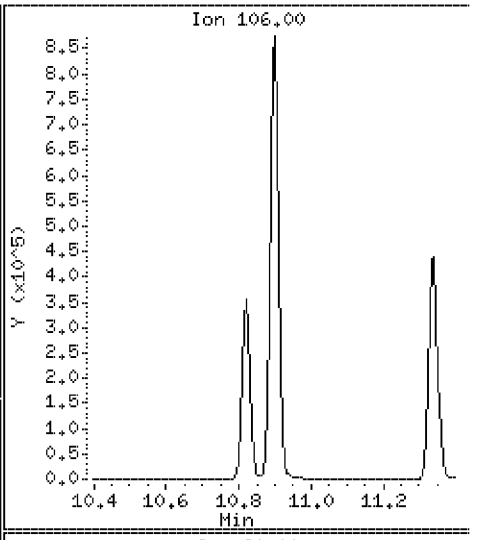
67 p,m-Xylene Concentration: 98.0 ug/l

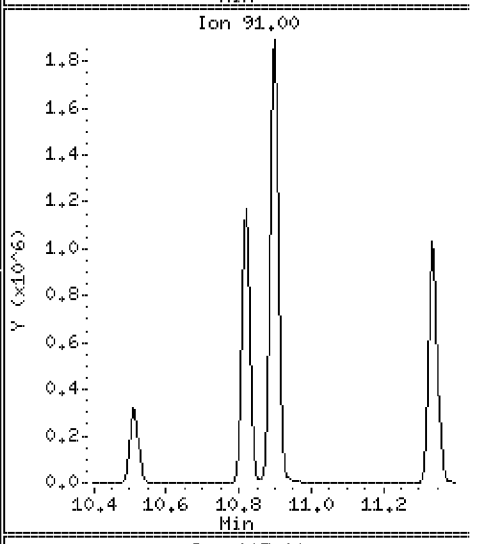


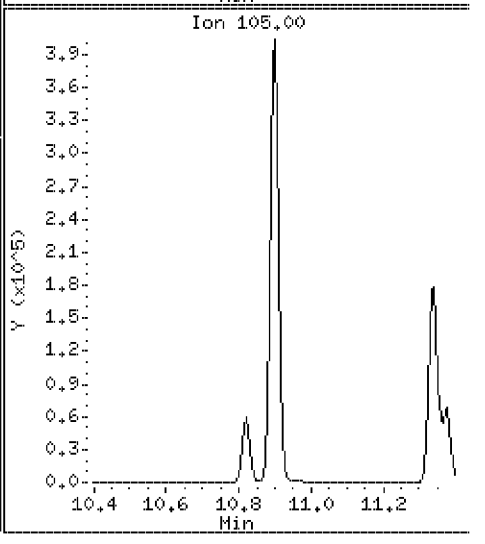












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

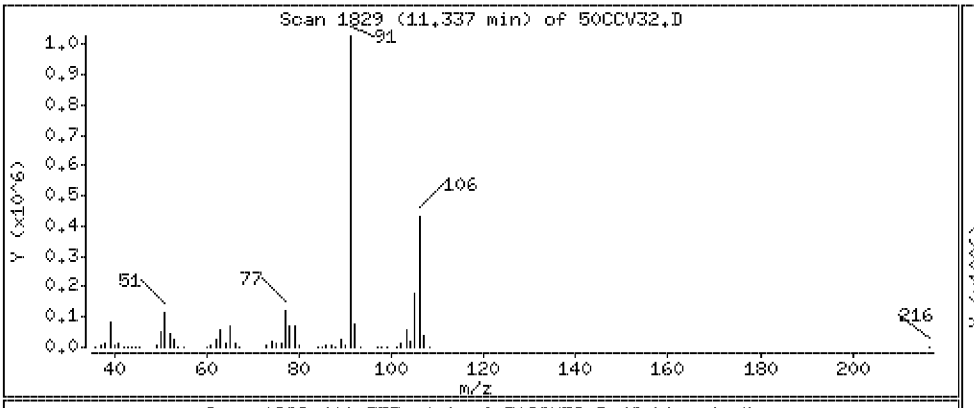
Client ID: 061807CCVA32 Instrument: vms03.i

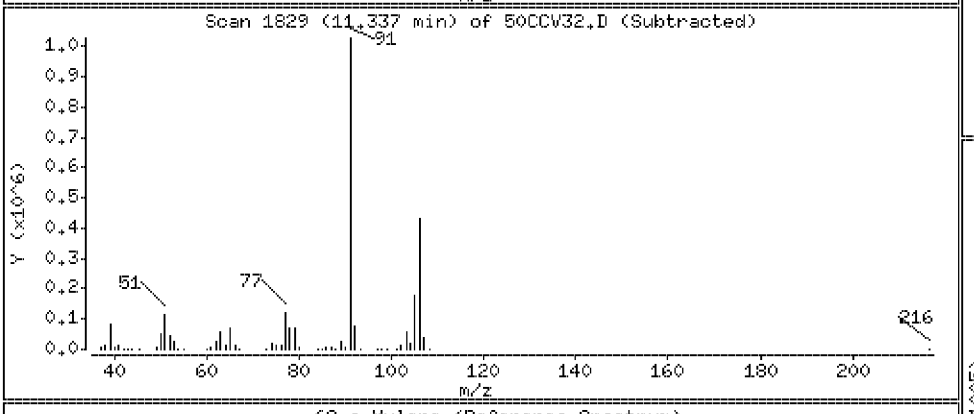
Sample Info: 061807CCVA32

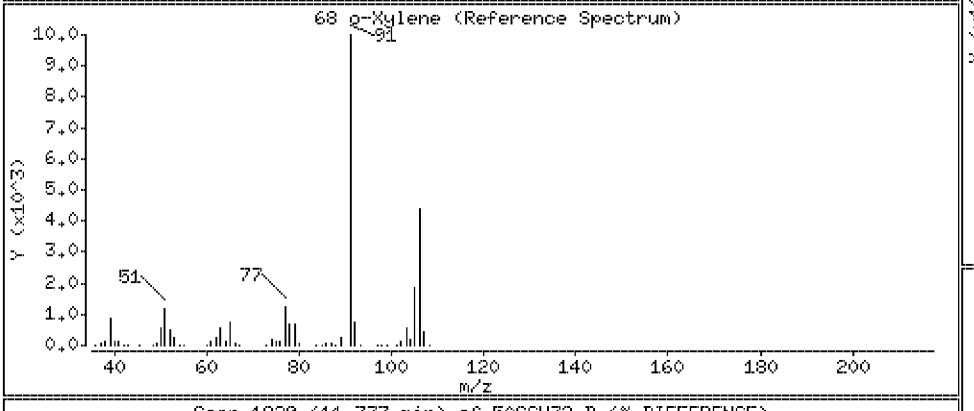
Purge Volume: 5.0 Operator:

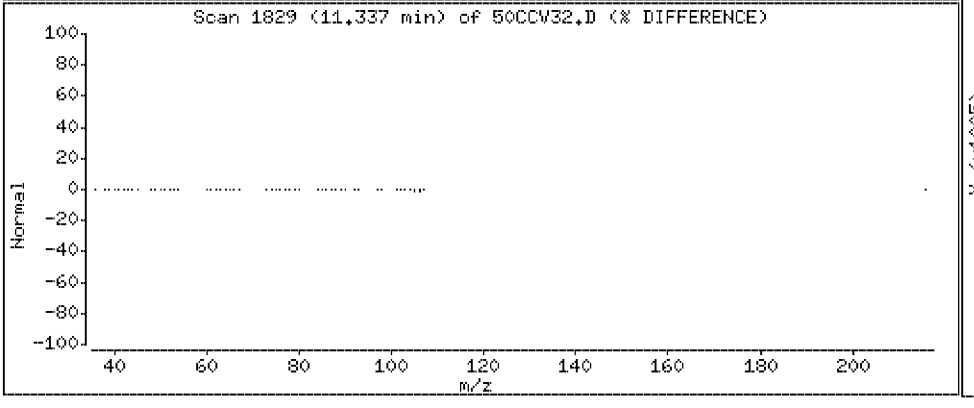
Column phase: DB-624 Column diameter: 0.18

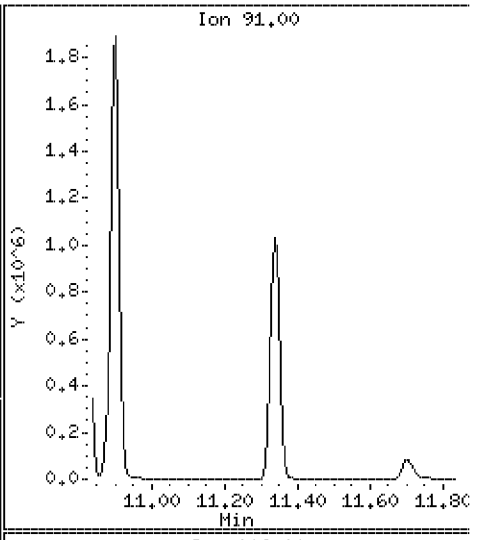
68 o-Xylene Concentration: 49.5 ug/l

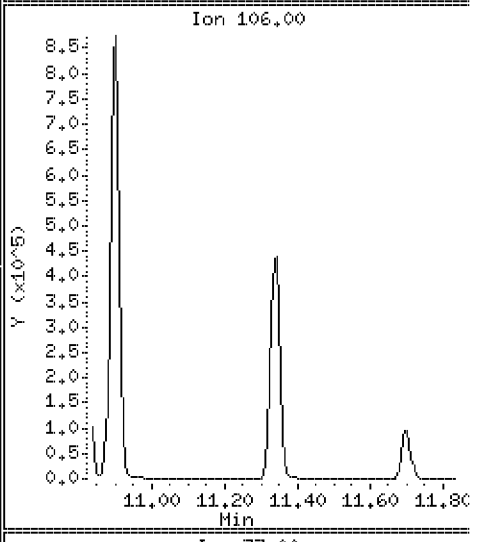


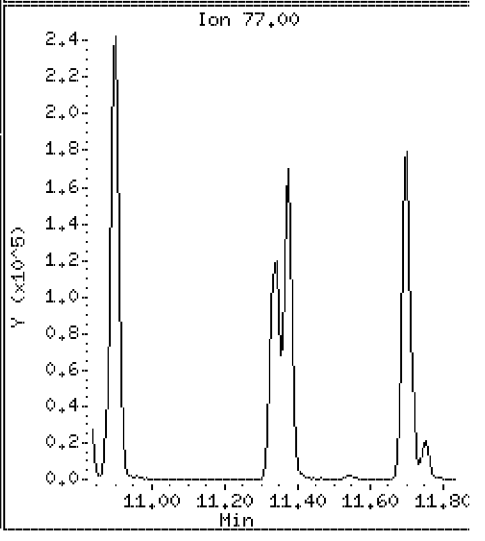












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

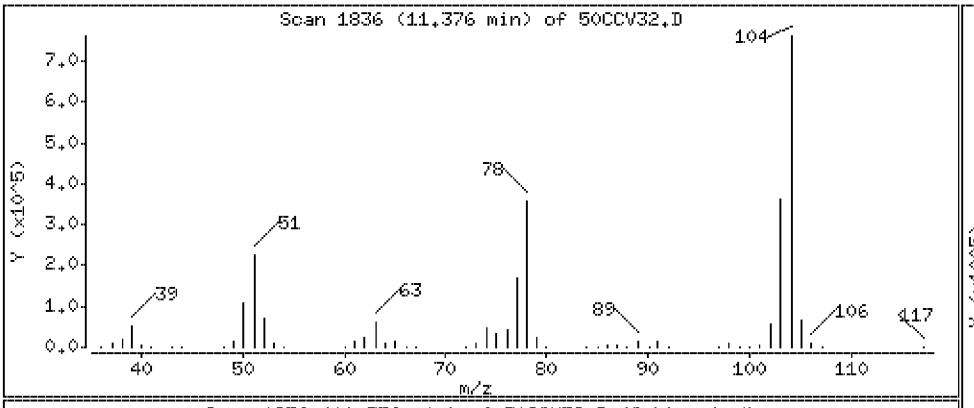
Client ID: 061807CCVA32 Instrument: vms03.i

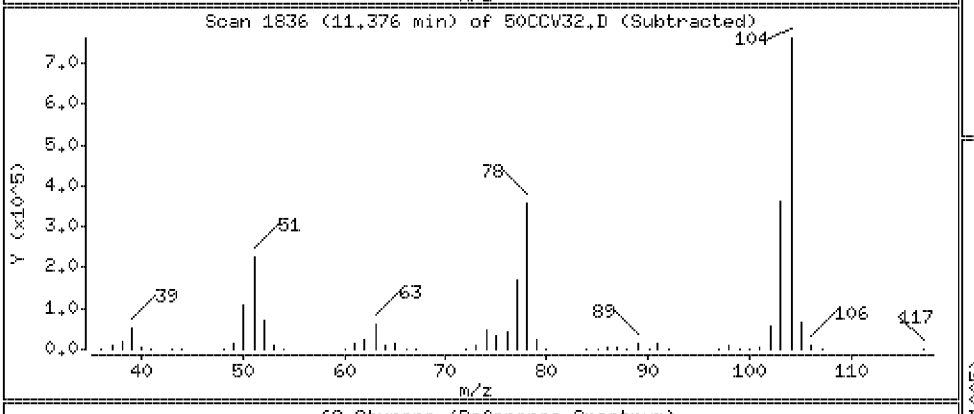
Sample Info: 061807CCVA32

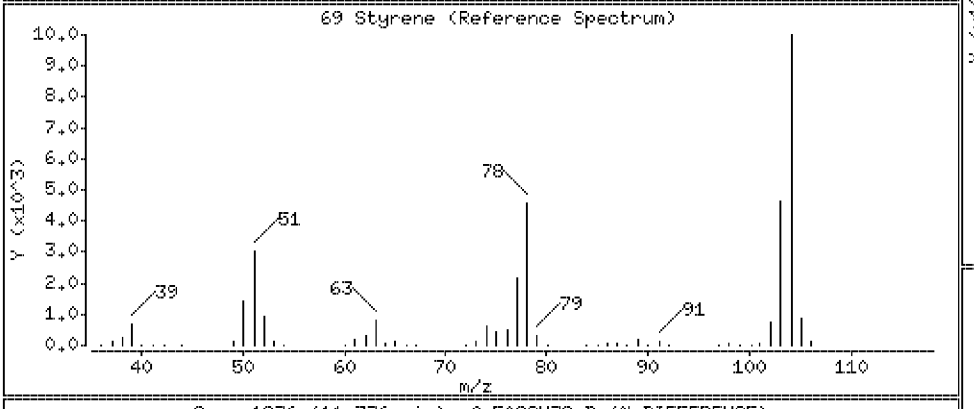
Purge Volume: 5.0 Operator:

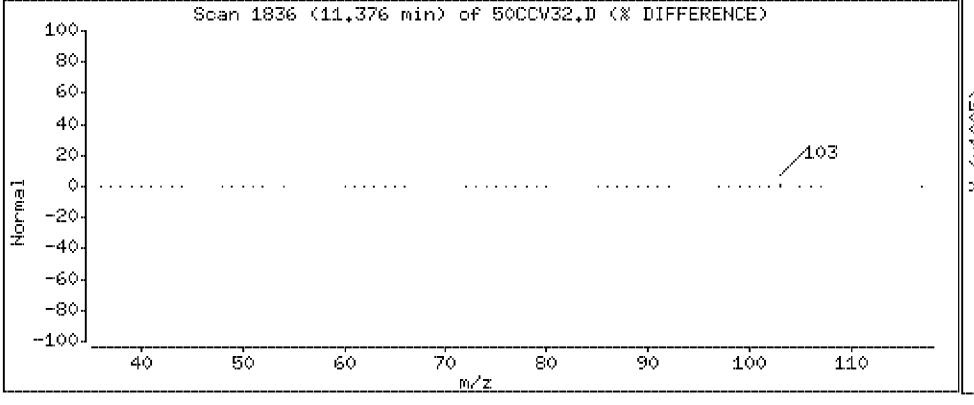
Column phase: DB-624 Column diameter: 0.18

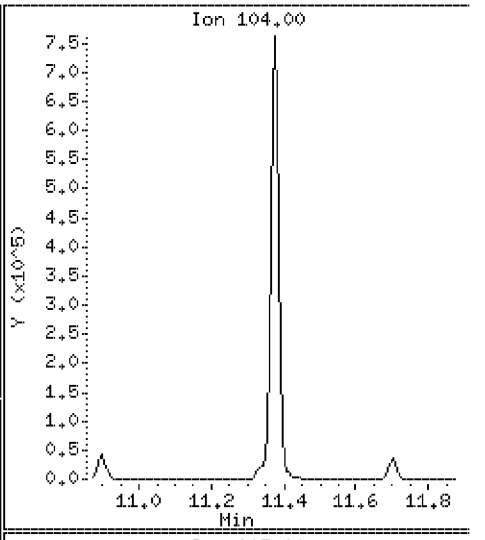
69 Styrene Concentration: 52.8 ug/l

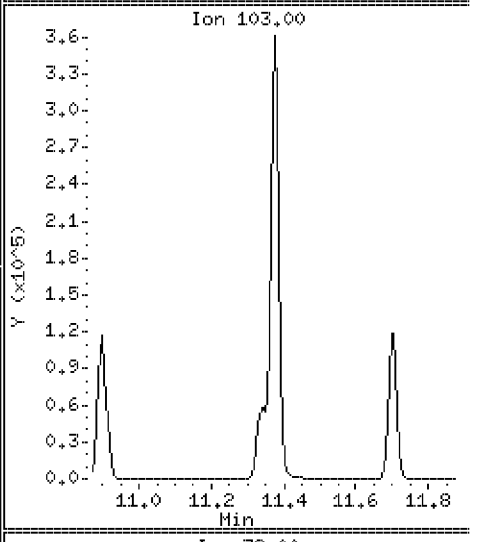


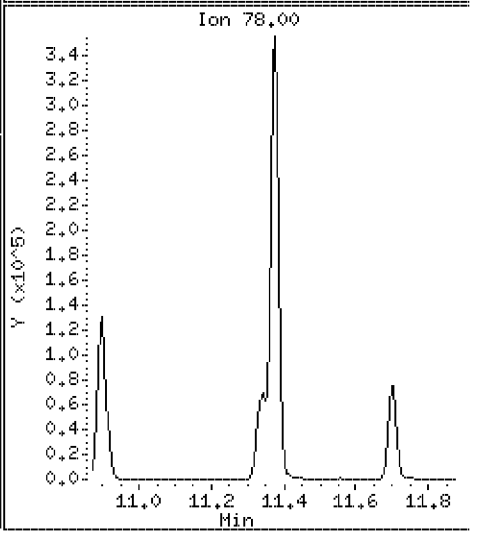












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

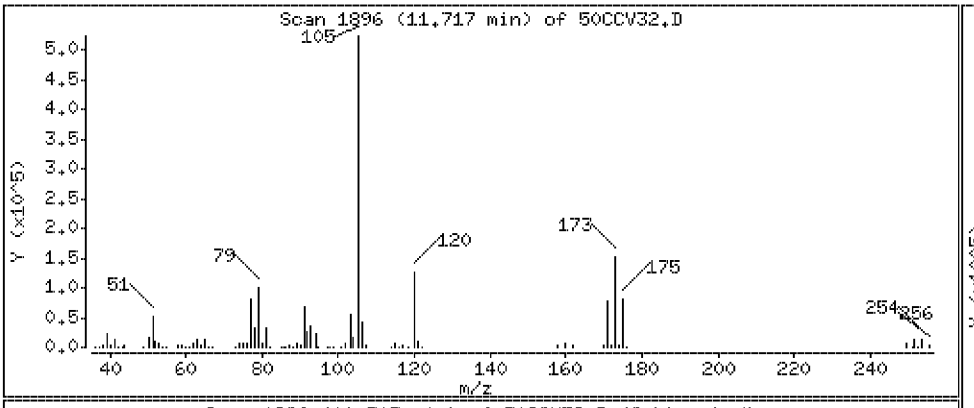
Client ID: 061807CCVA32 Instrument: vms03.i

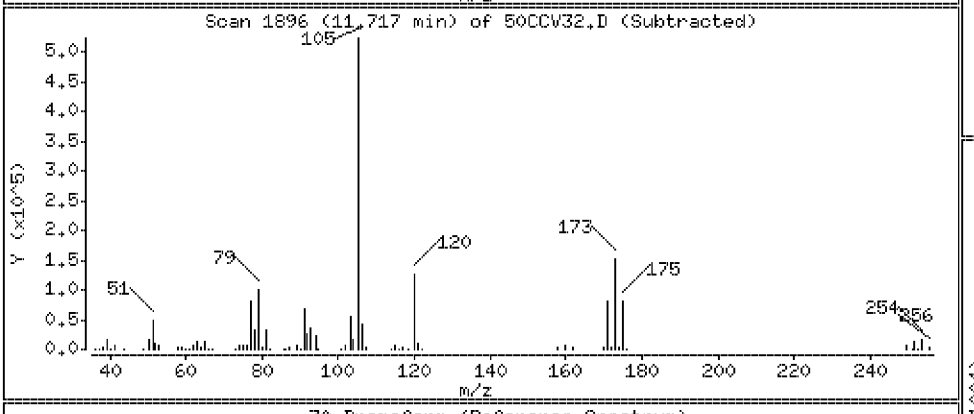
Sample Info: 061807CCVA32

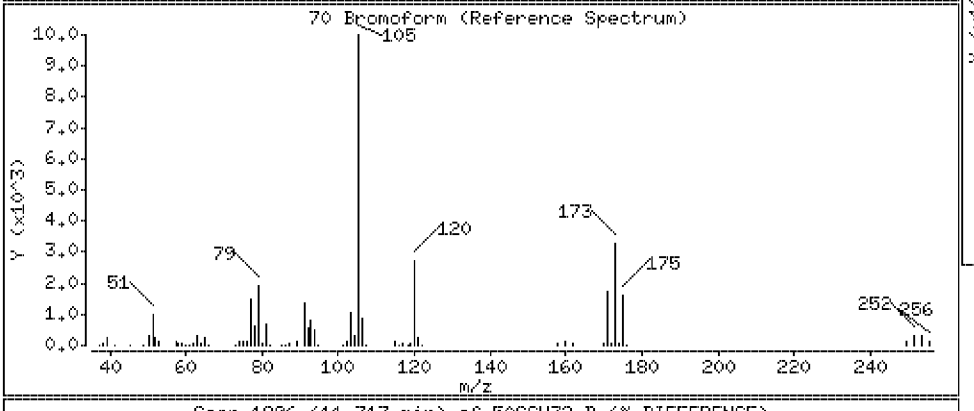
Purge Volume: 5.0 Operator:

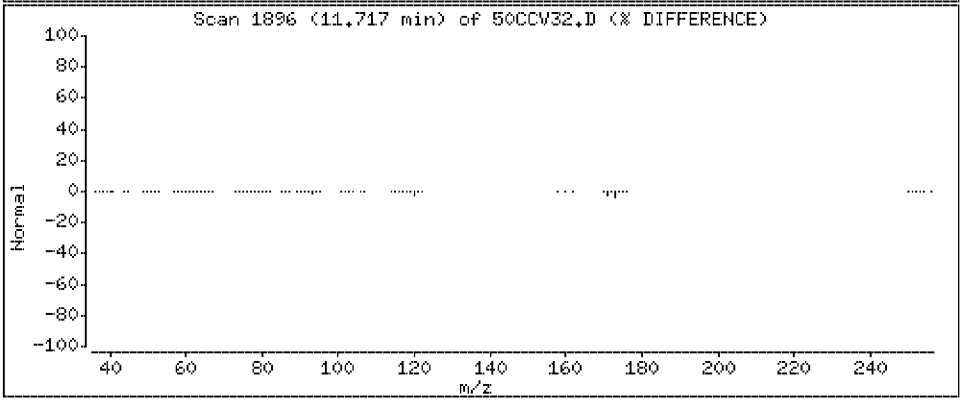
Column phase: DB-624 Column diameter: 0.18

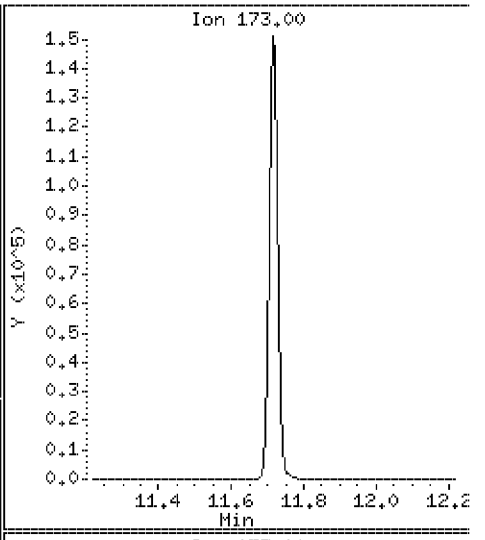
70 Bromoform Concentration: 52.5 ug/l

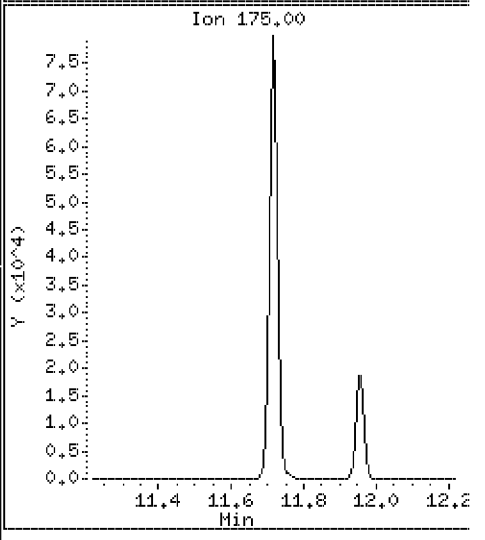












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

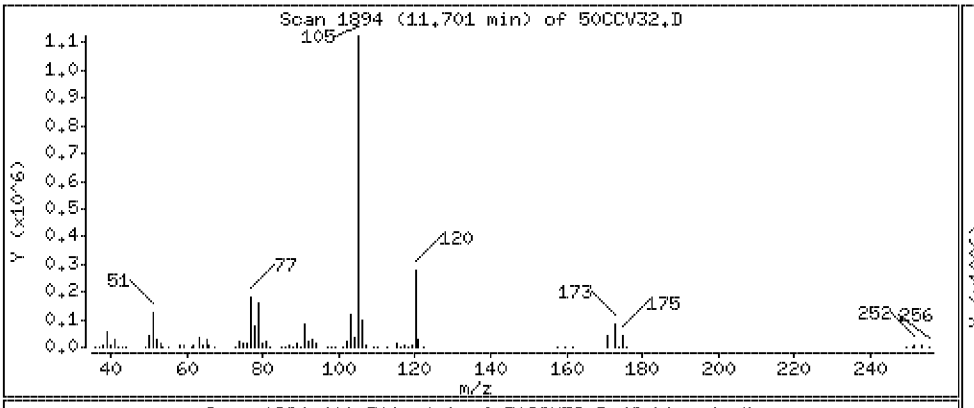
Client ID: 061807CCVA32 Instrument: vms03.i

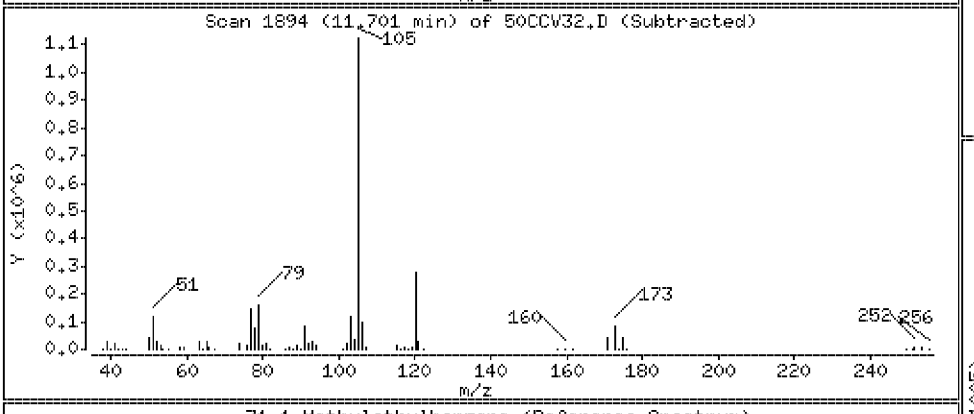
Sample Info: 061807CCVA32

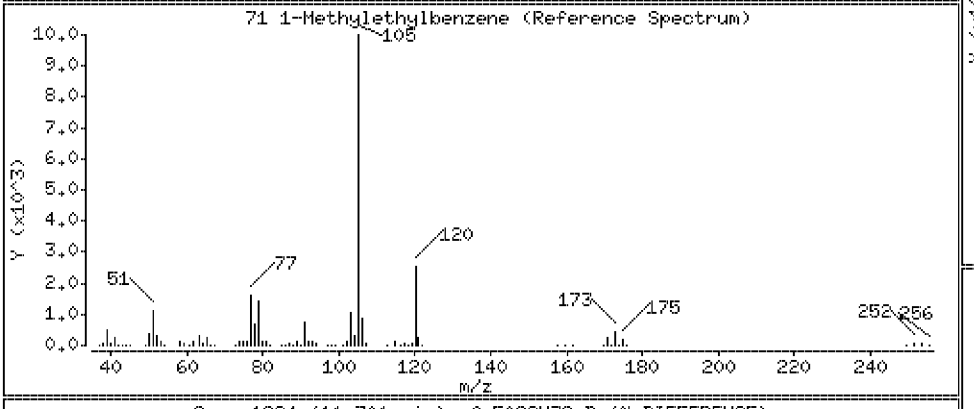
Purge Volume: 5.0 Operator:

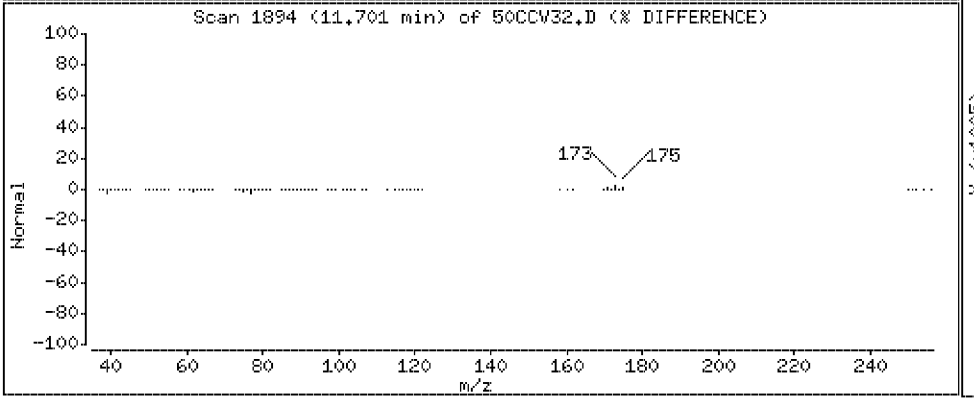
Column phase: DB-624 Column diameter: 0.18

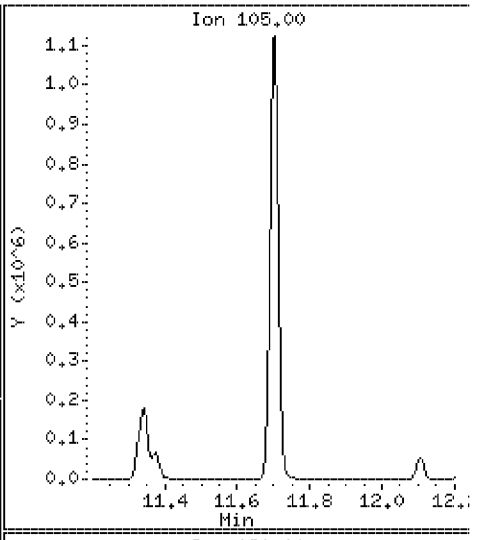
71 1-Methylethylbenzene Concentration: 49.8 ug/l

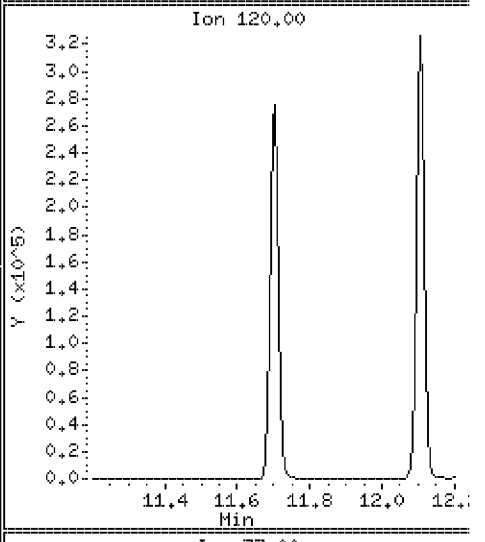


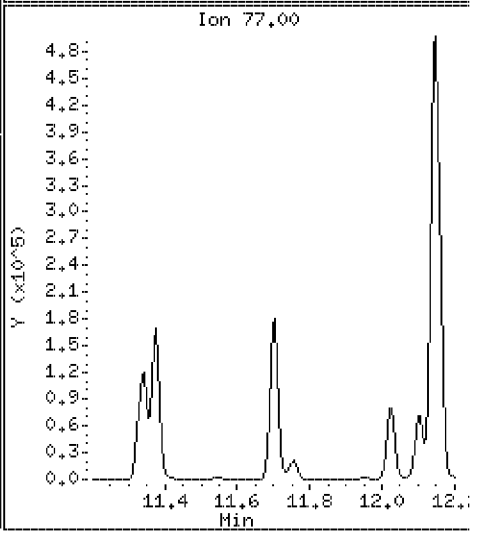












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

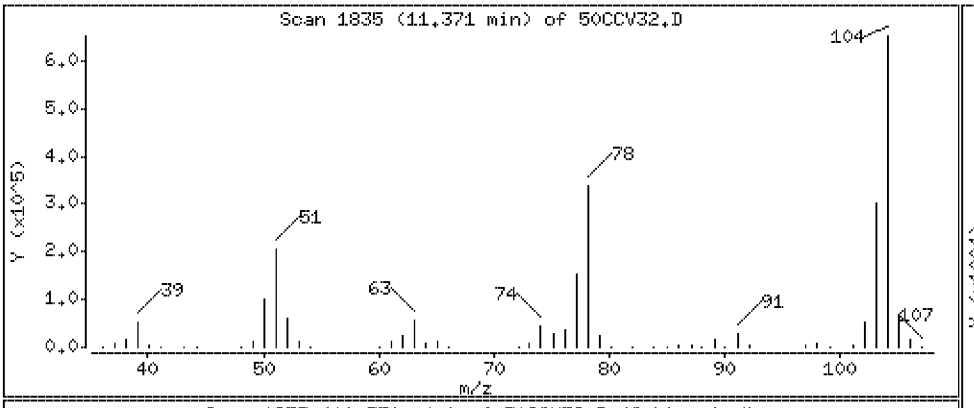
Client ID: 061807CCVA32 Instrument: vms03.i

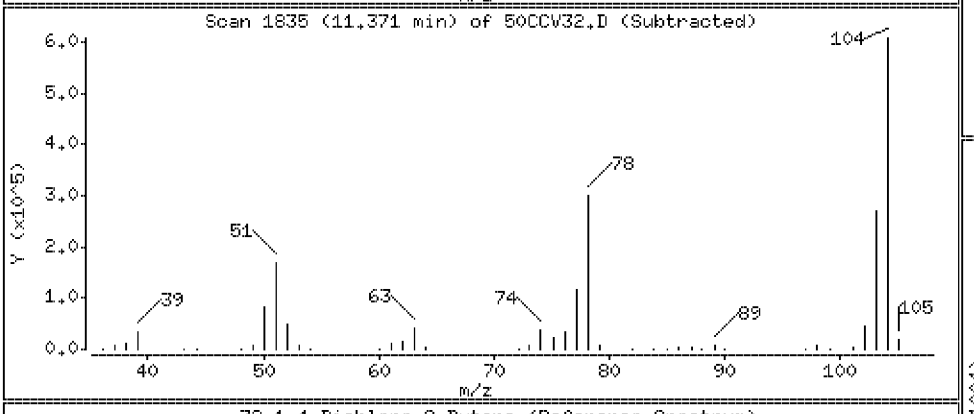
Sample Info: 061807CCVA32

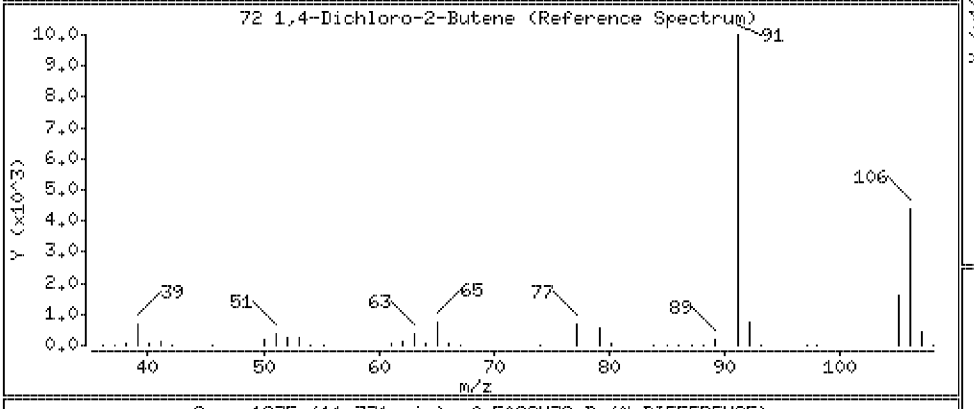
Purge Volume: 5.0 Operator:

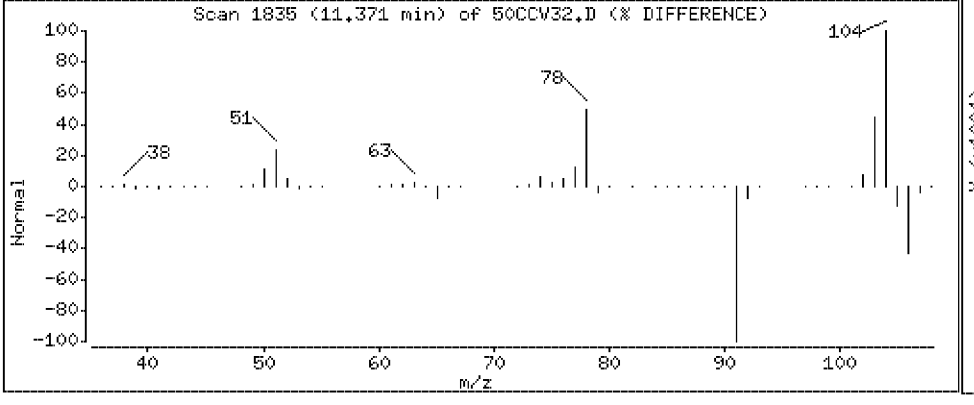
Column phase: DB-624 Column diameter: 0.18

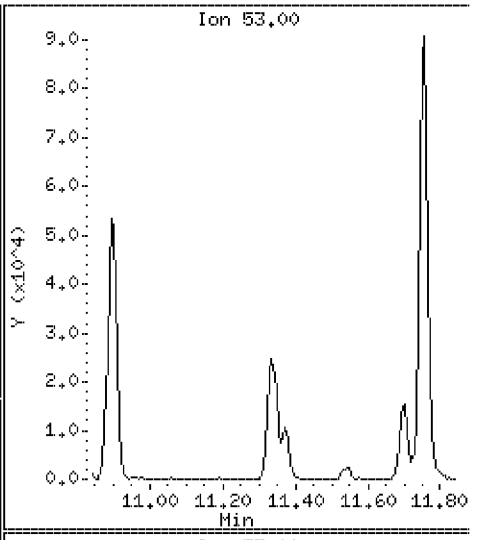
72 1,4-Dichloro-2-Butene Concentration: 96.3 ug/l

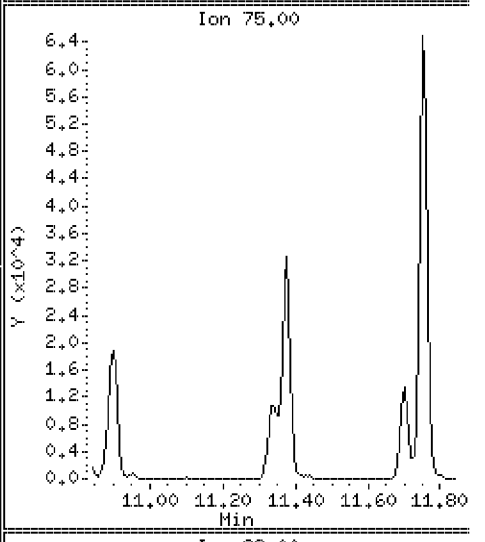


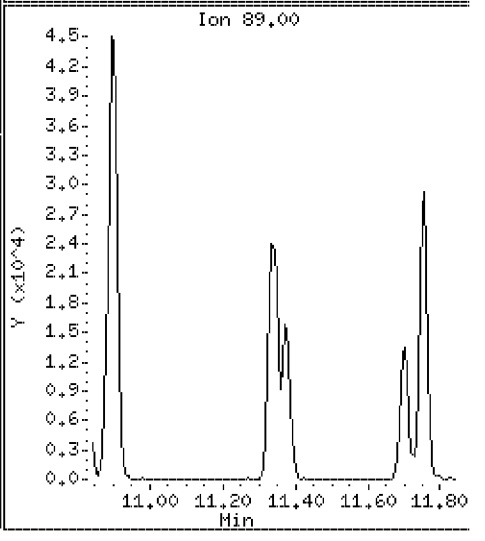












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

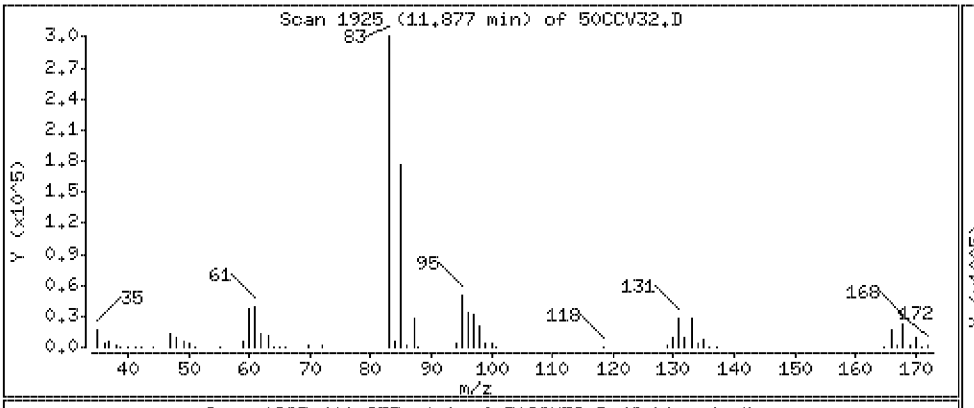
Client ID: 061807CCVA32 Instrument: vms03.i

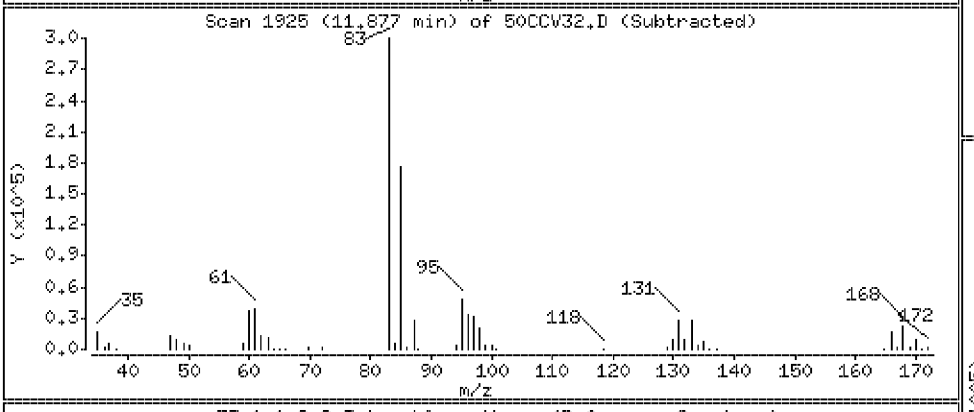
Sample Info: 061807CCVA32

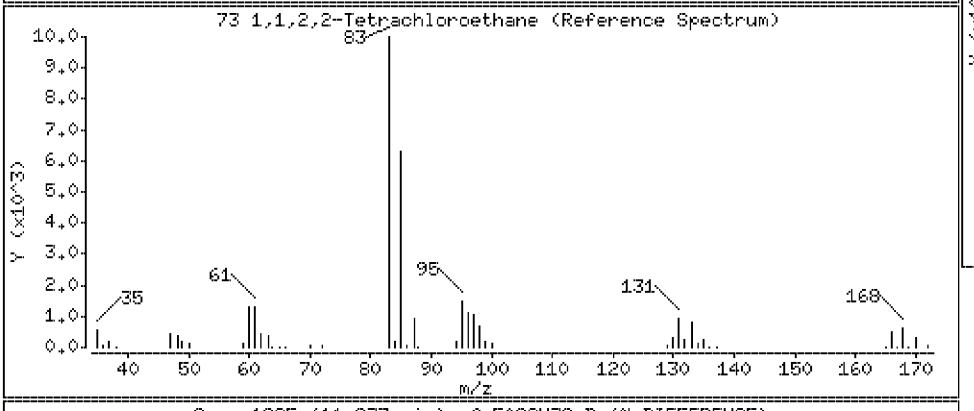
Purge Volume: 5.0 Operator:

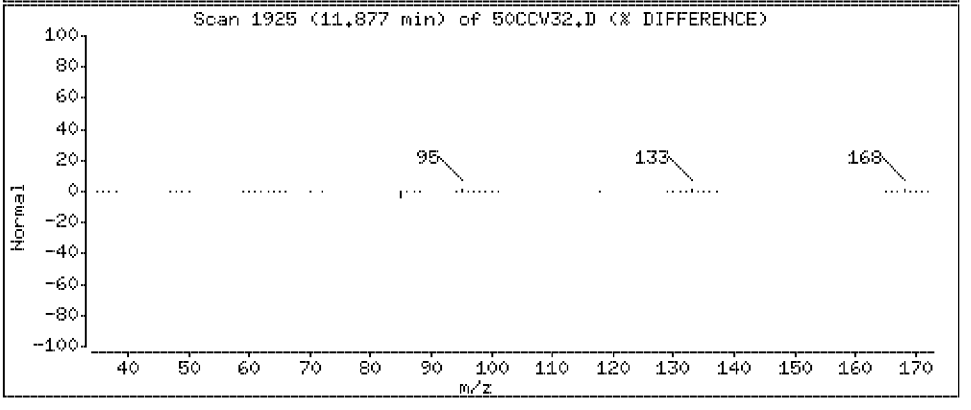
Column phase: DB-624 Column diameter: 0.18

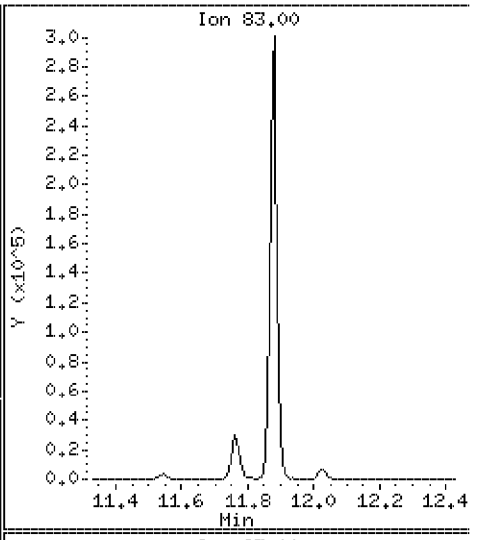
73 1,1,2,2-Tetrachloroethane Concentration: 48.6 ug/l

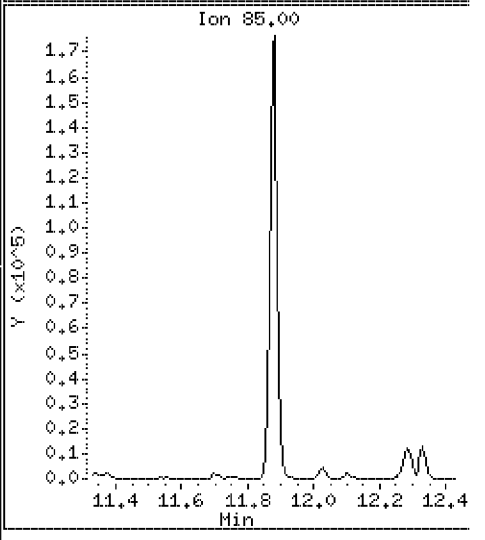












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

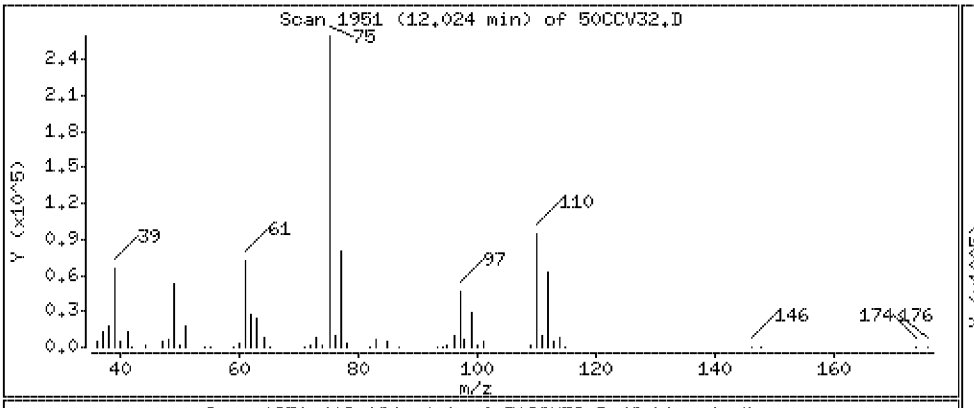
Client ID: 061807CCVA32 Instrument: vms03.i

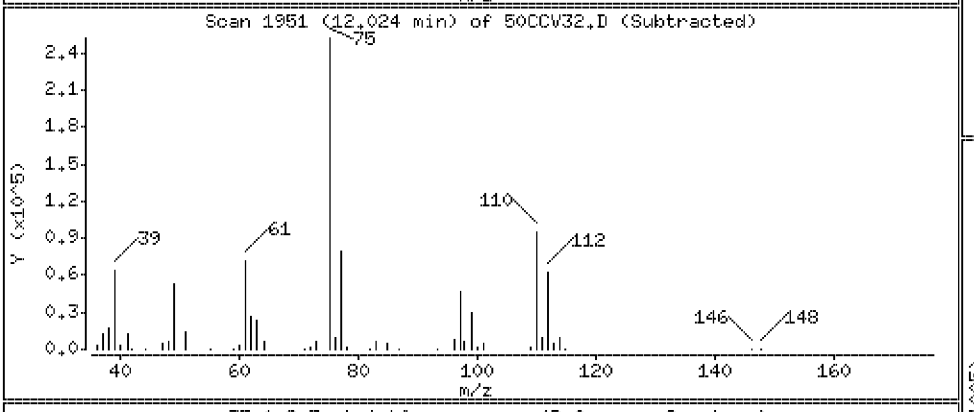
Sample Info: 061807CCVA32

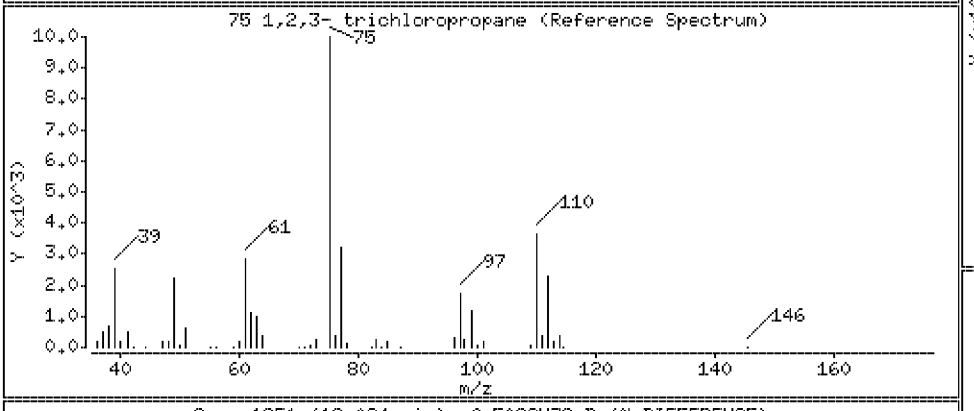
Purge Volume: 5.0 Operator:

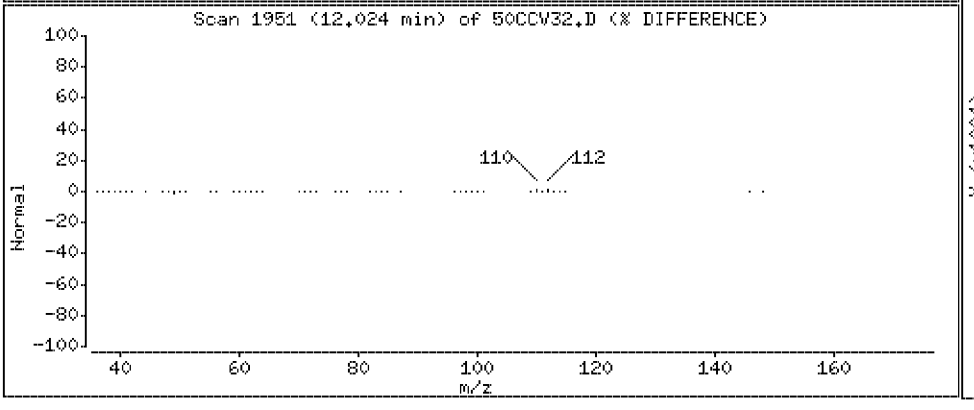
Column phase: DB-624 Column diameter: 0.18

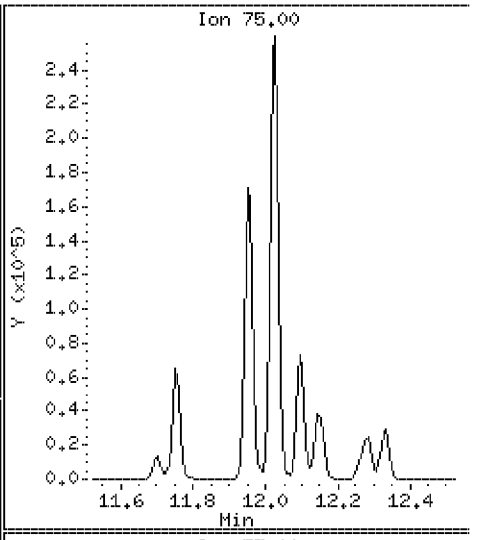
75 1,2,3- trichloropropane Concentration: 49.3 ug/l

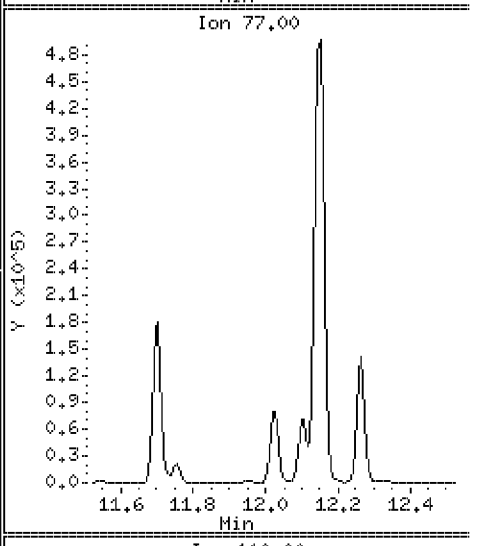


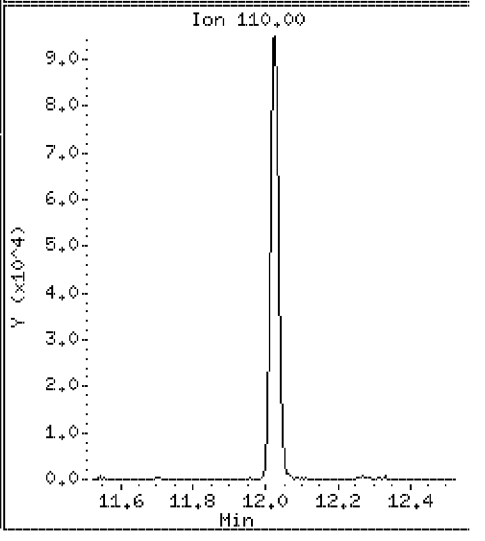












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

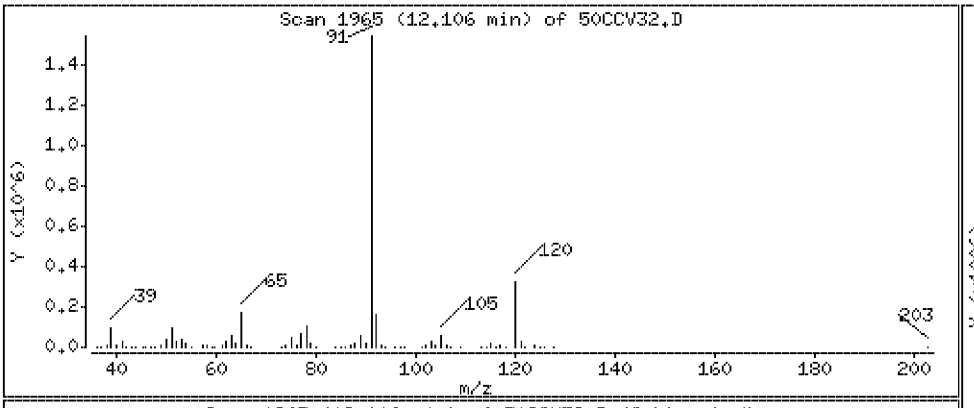
Client ID: 061807CCVA32 Instrument: vms03.i

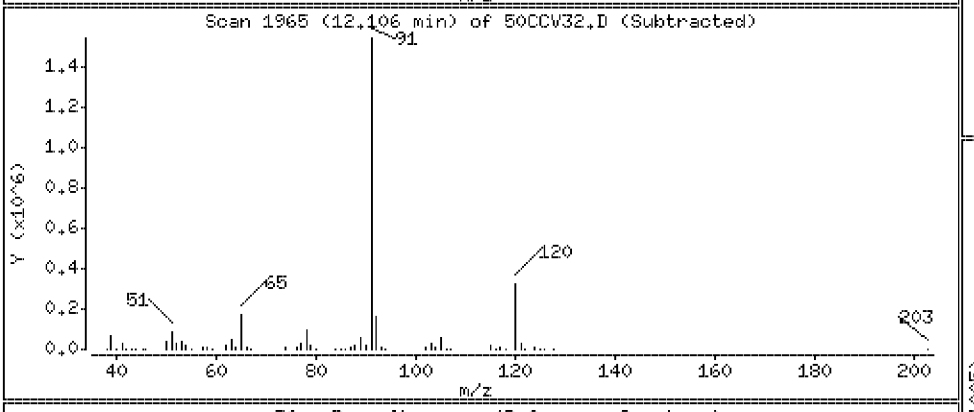
Sample Info: 061807CCVA32

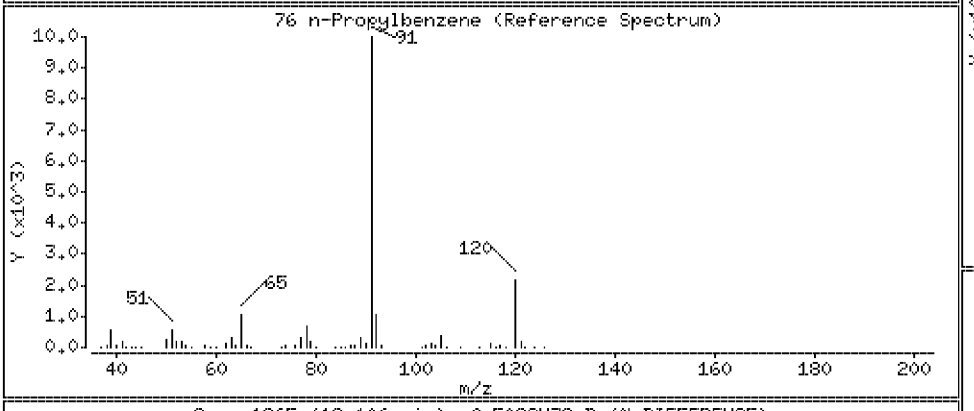
Purge Volume: 5.0 Operator:

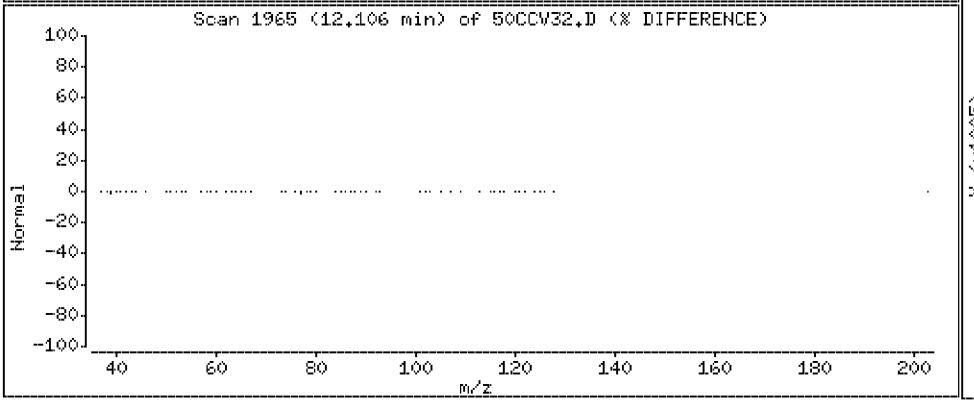
Column phase: DB-624 Column diameter: 0.18

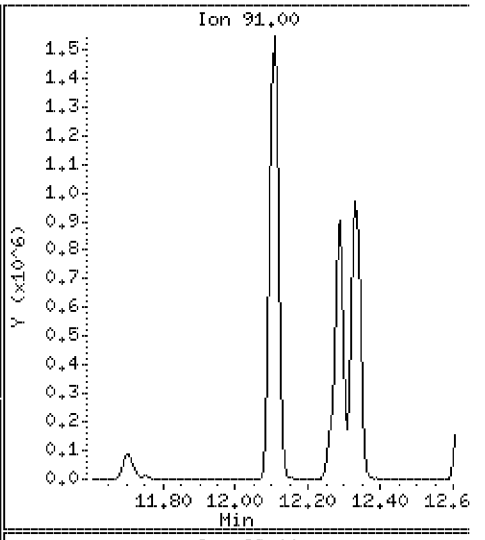
76 n-Propylbenzene Concentration: 50.2 ug/l

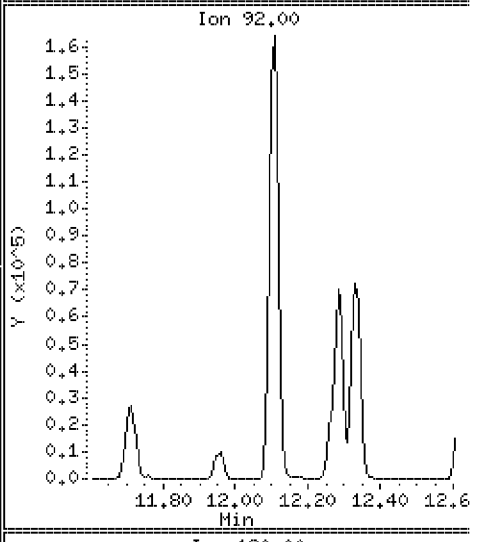


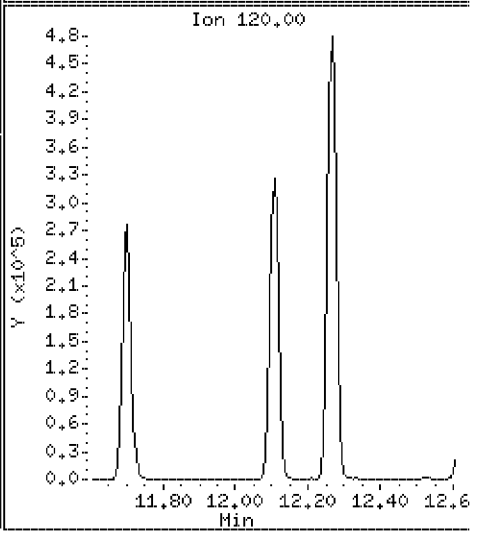












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

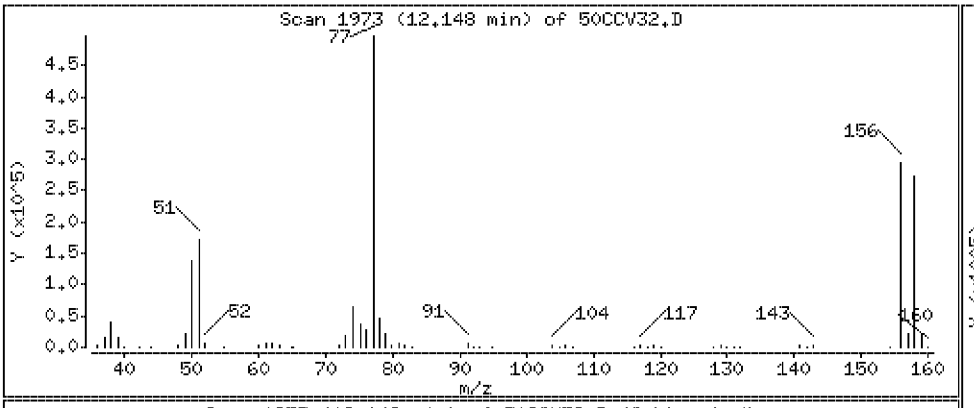
Client ID: 061807CCVA32 Instrument: vms03.i

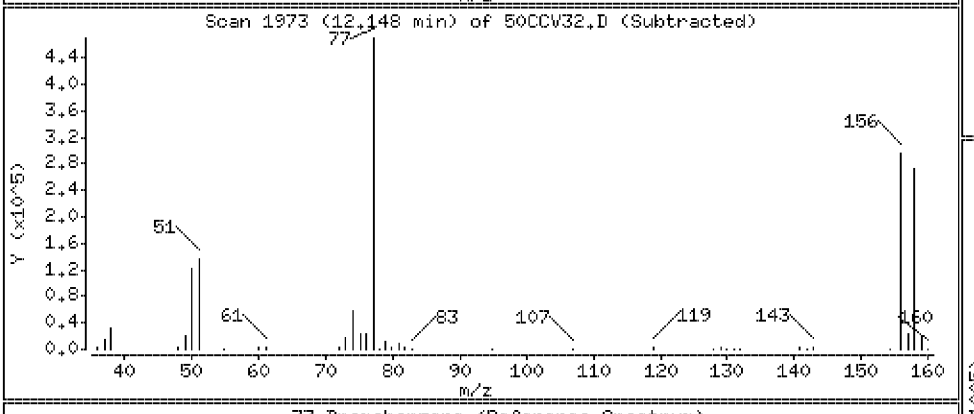
Sample Info: 061807CCVA32

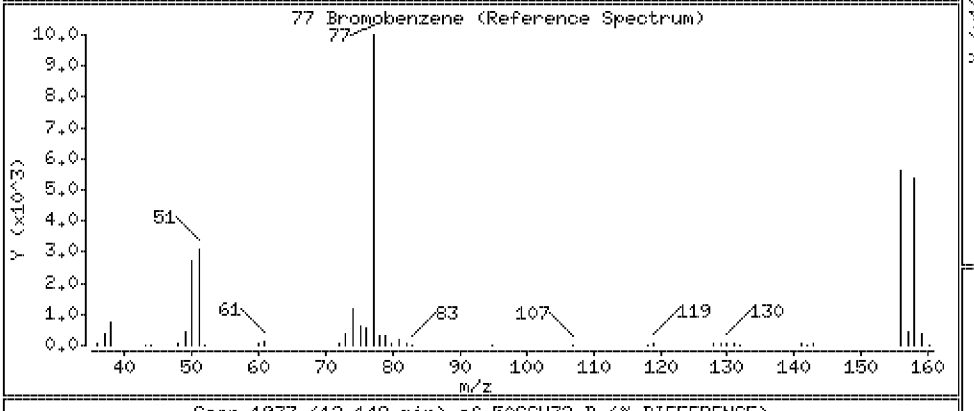
Purge Volume: 5.0 Operator:

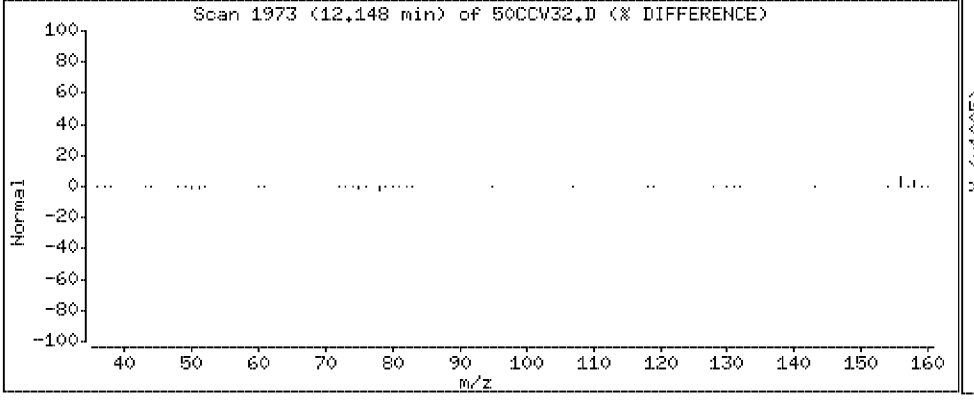
Column phase: DB-624 Column diameter: 0.18

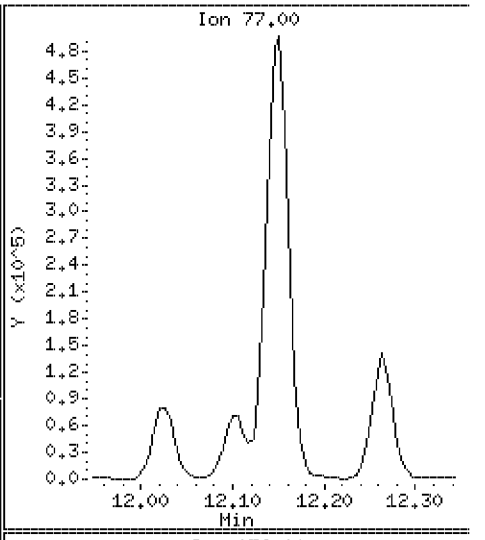
77 Bromobenzene Concentration: 48.5 ug/l

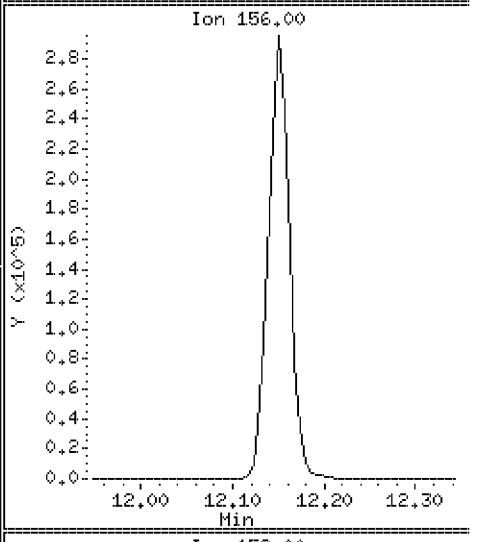


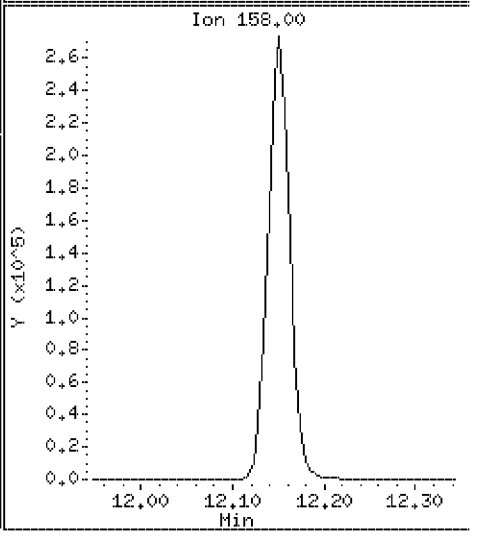












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

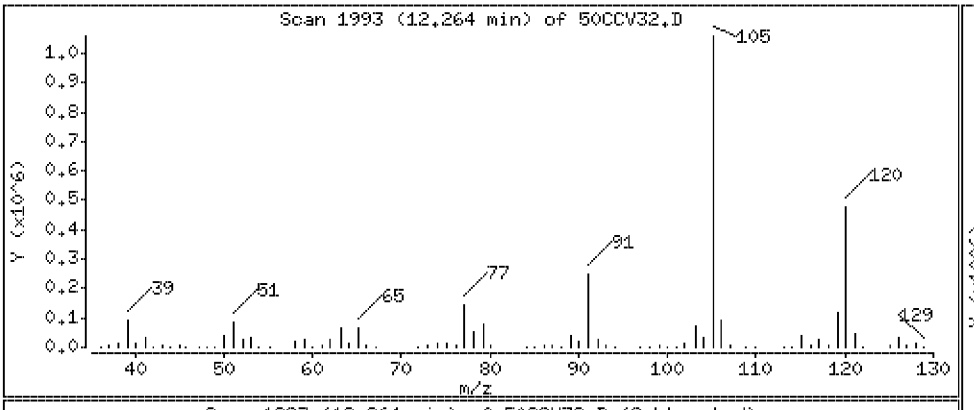
Client ID: 061807CCVA32 Instrument: vms03.i

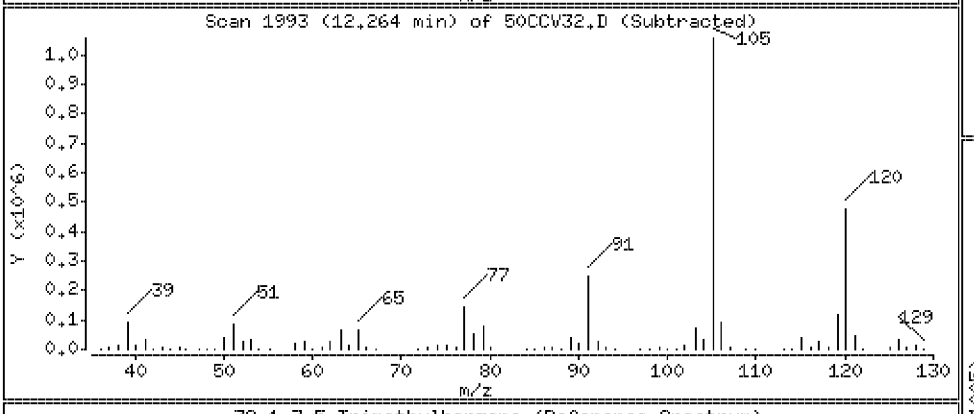
Sample Info: 061807CCVA32

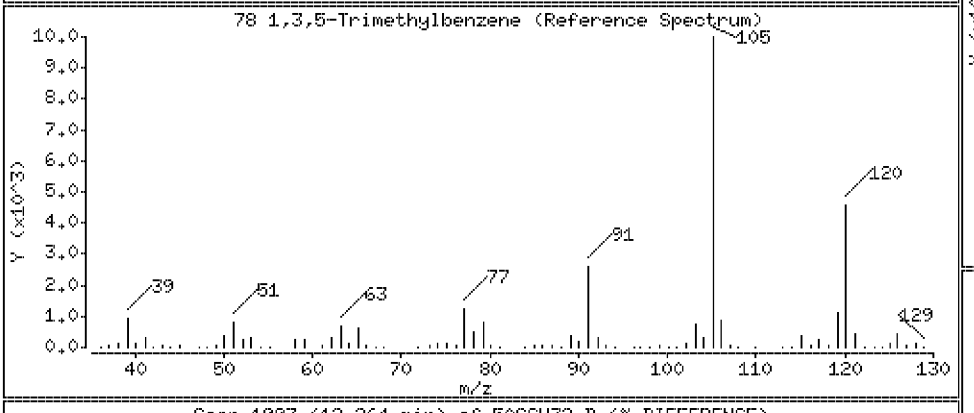
Purge Volume: 5.0 Operator:

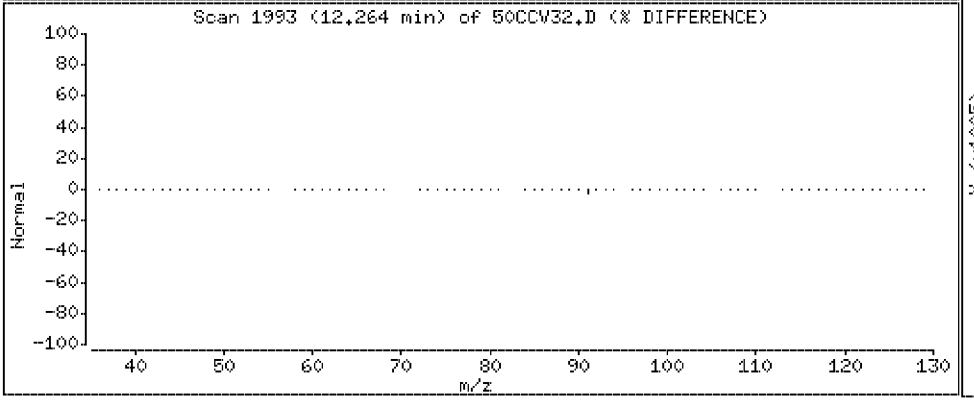
Column phase: DB-624 Column diameter: 0.18

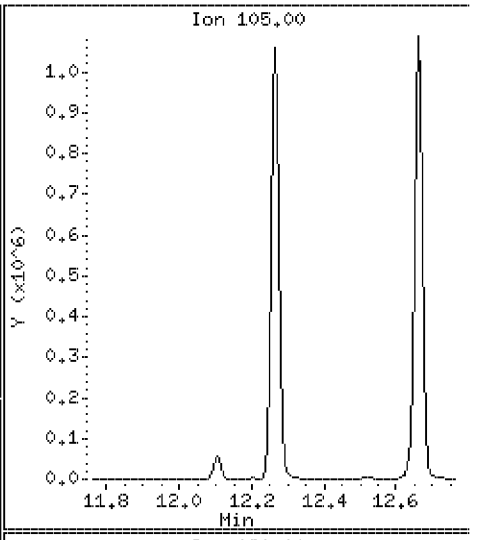
78 1,3,5-Trimethylbenzene Concentration: 49.9 ug/l

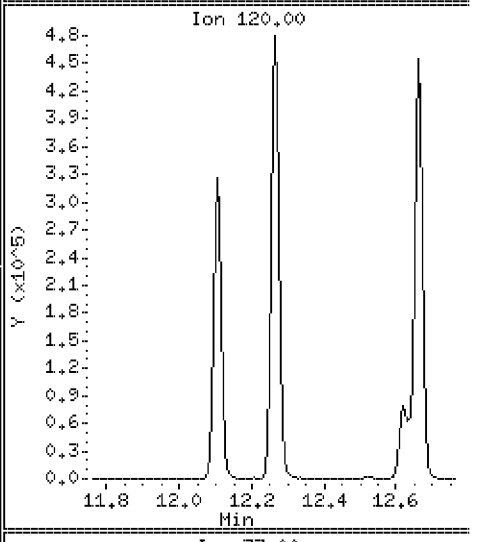


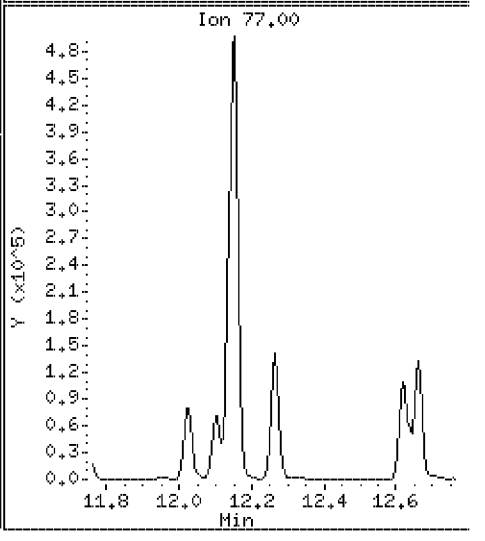












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

Client ID: 061807CCVA32

Instrument: vms03.i

Sample Info: 061807CCVA32

Purge Volume: 5.0

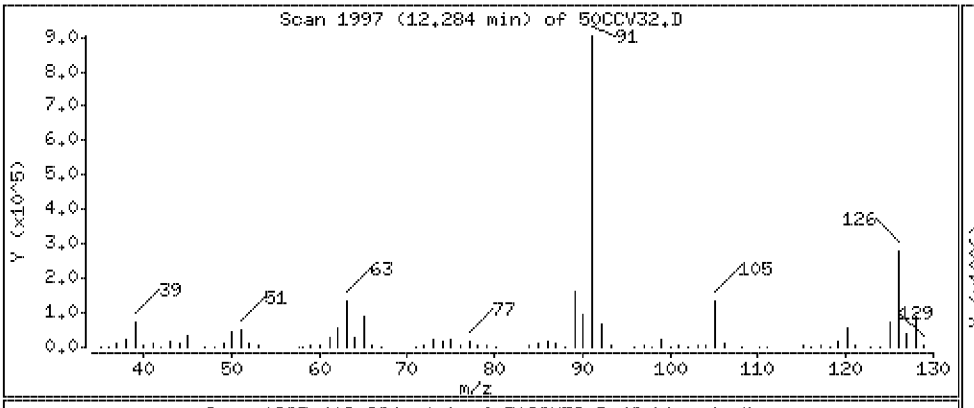
Operator:

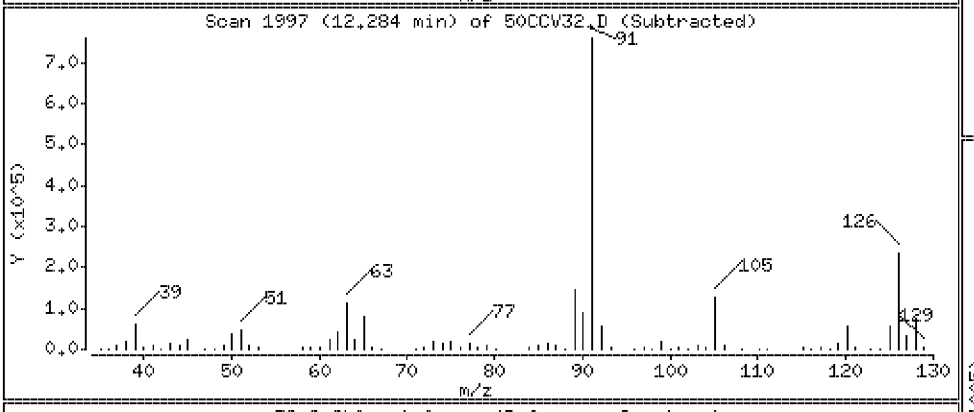
Column phase: DB-624

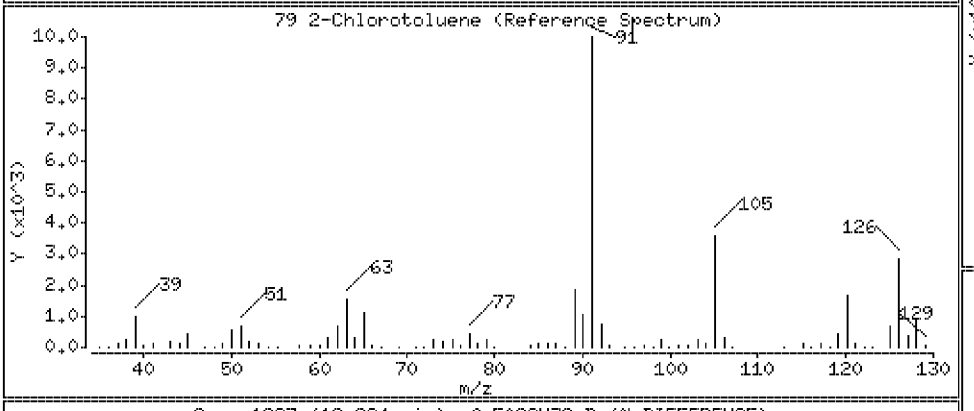
Column diameter: 0.18

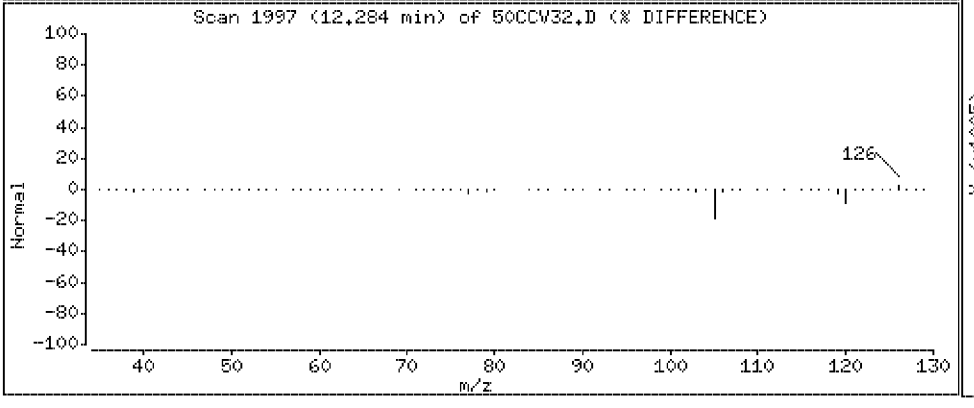
79 2-Chlorotoluene

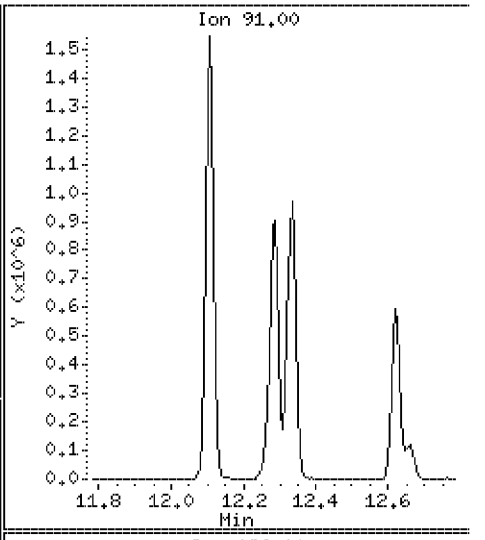
Concentration: 47.3 ug/l

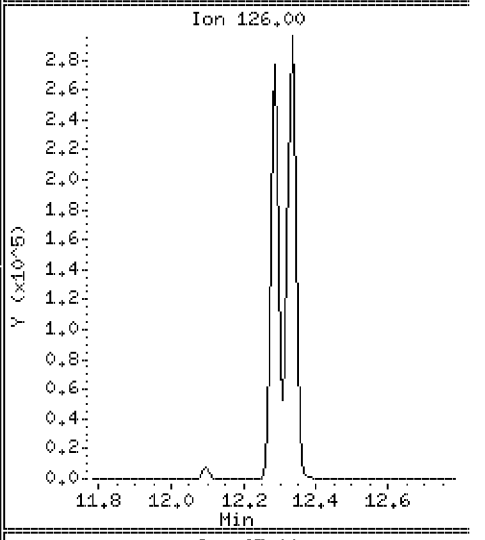


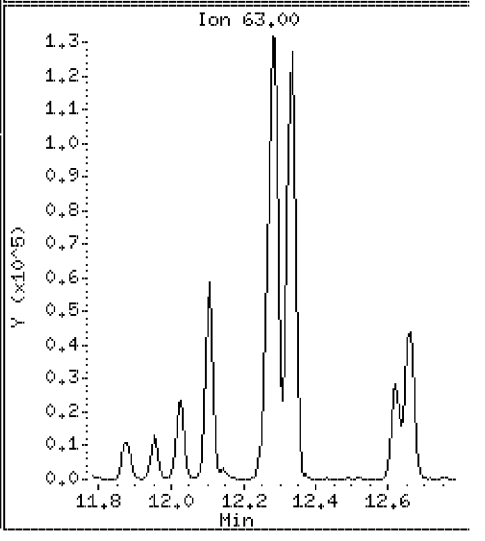












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

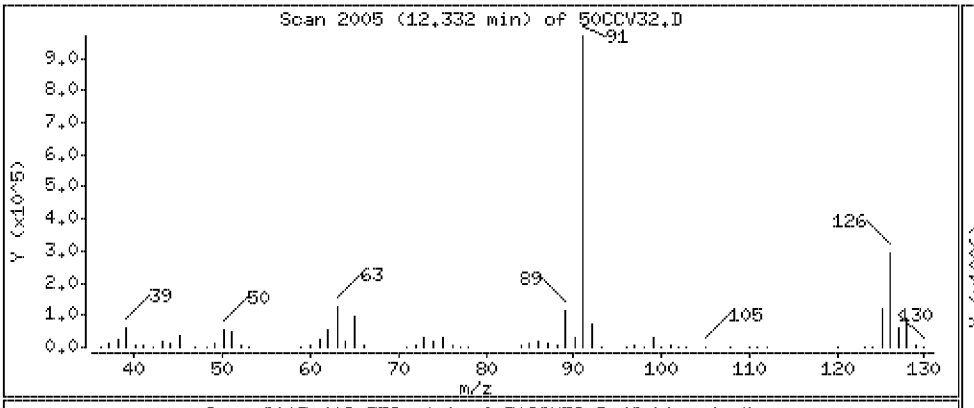
Client ID: 061807CCVA32 Instrument: vms03.i

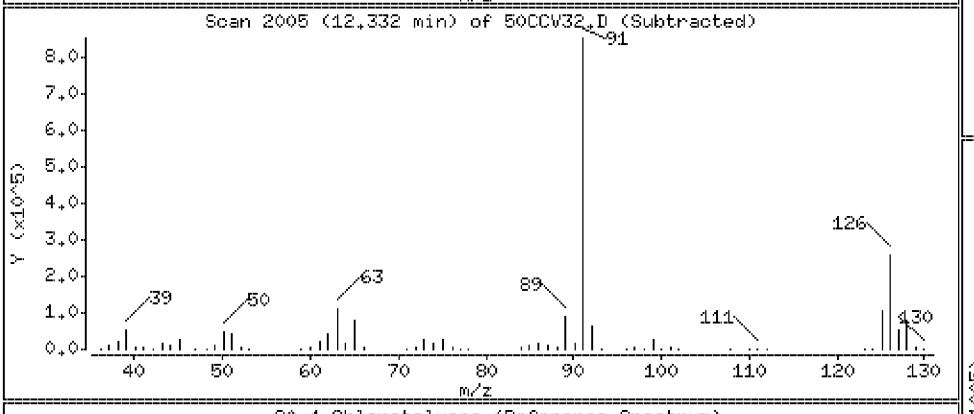
Sample Info: 061807CCVA32

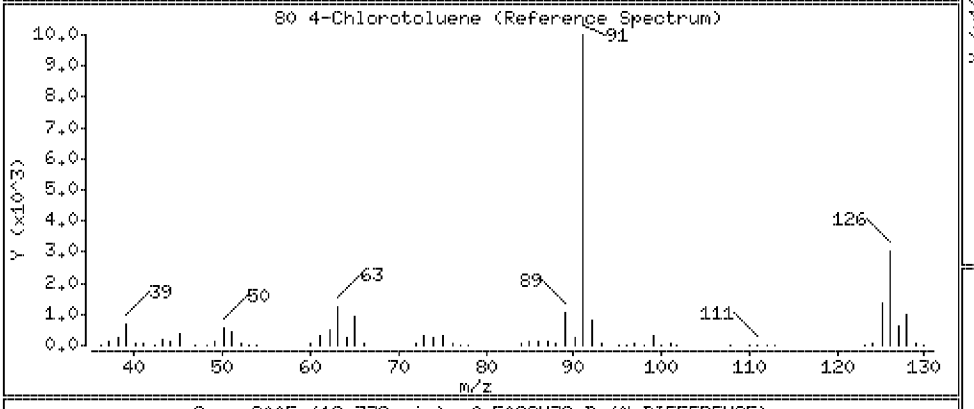
Purge Volume: 5.0 Operator:

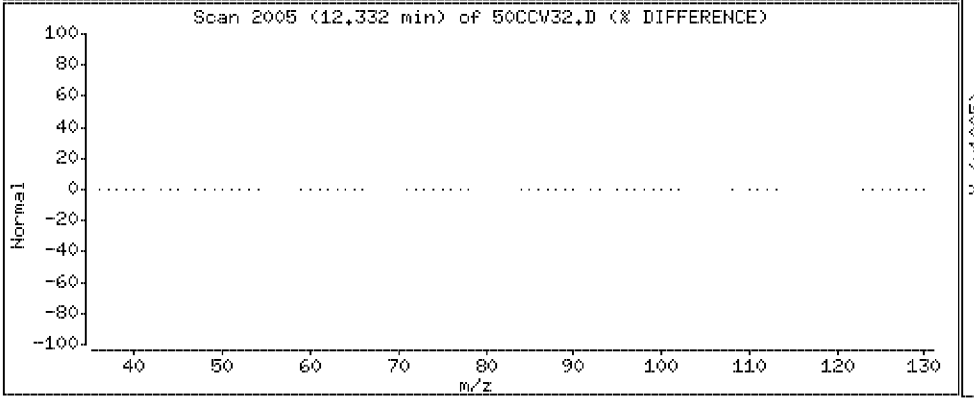
Column phase: DB-624 Column diameter: 0.18

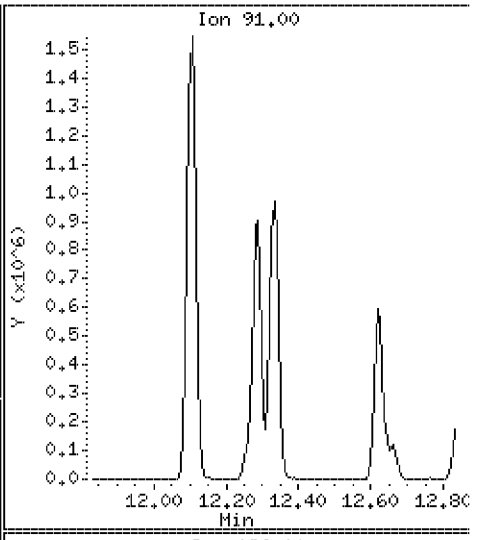
80 4-Chlorotoluene Concentration: 48.3 ug/l

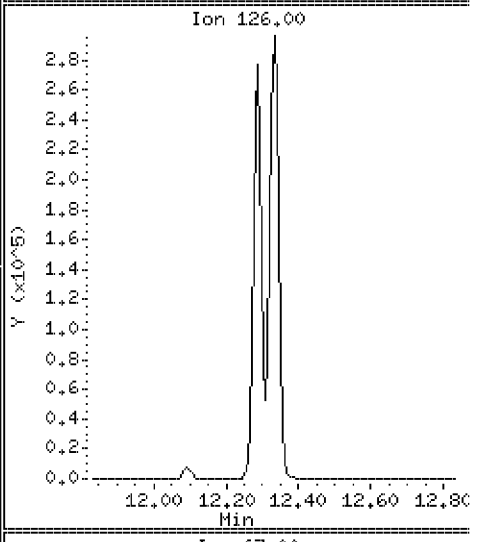


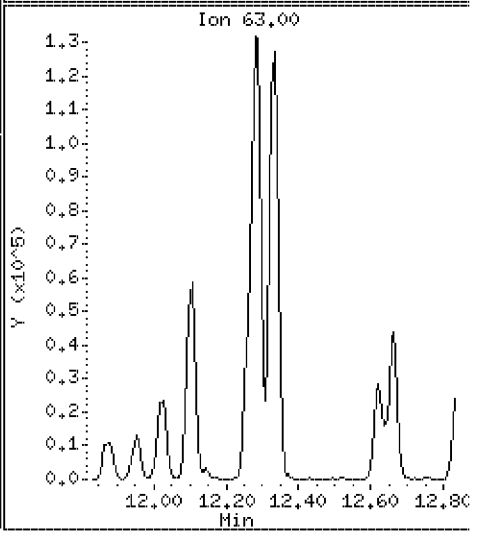












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

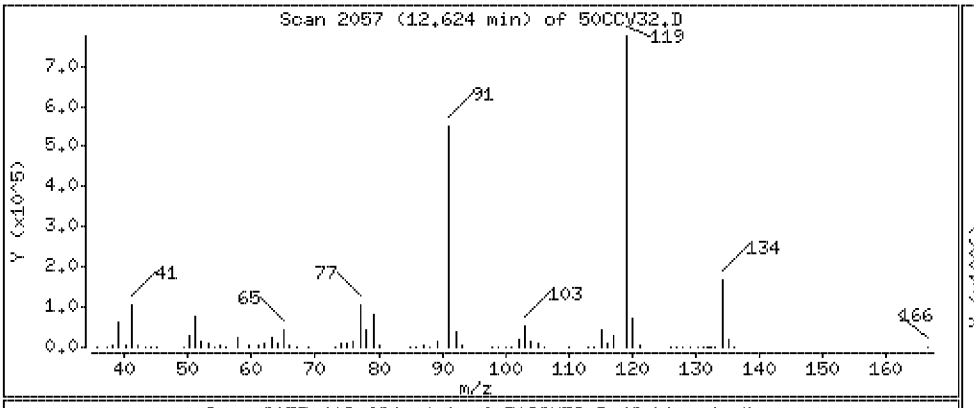
Client ID: 061807CCVA32 Instrument: vms03.i

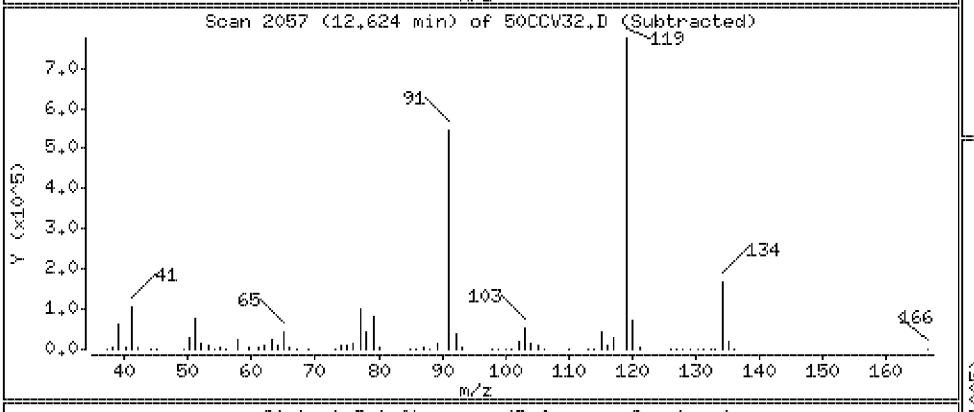
Sample Info: 061807CCVA32

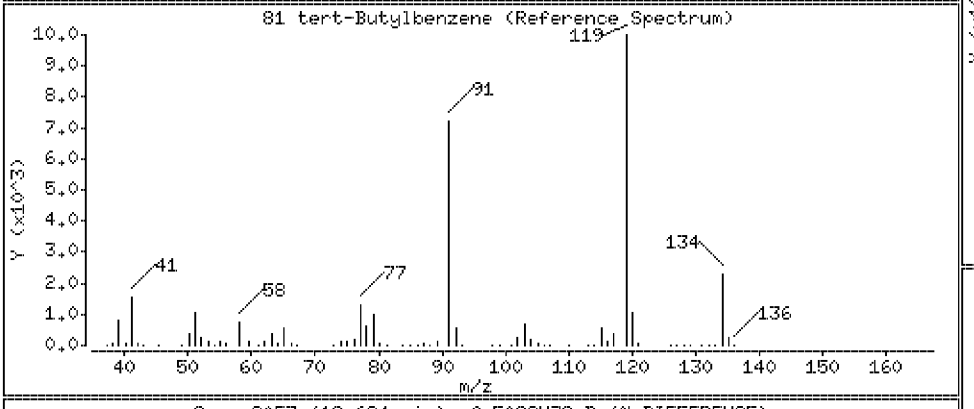
Purge Volume: 5.0 Operator:

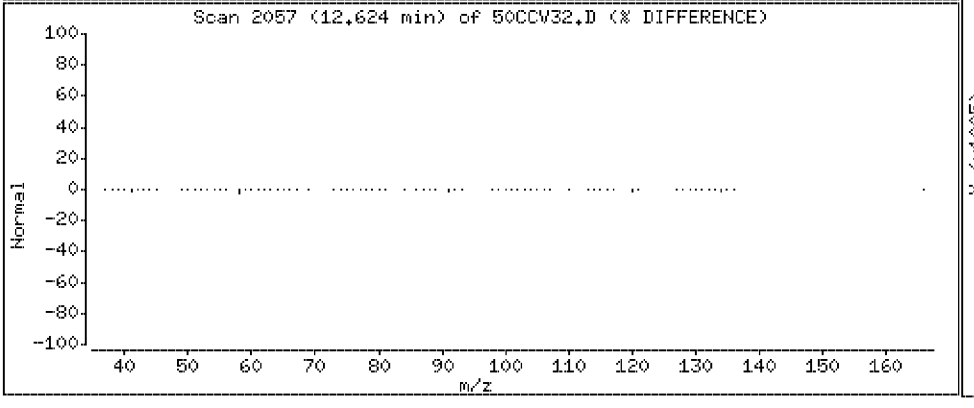
Column phase: DB-624 Column diameter: 0.18

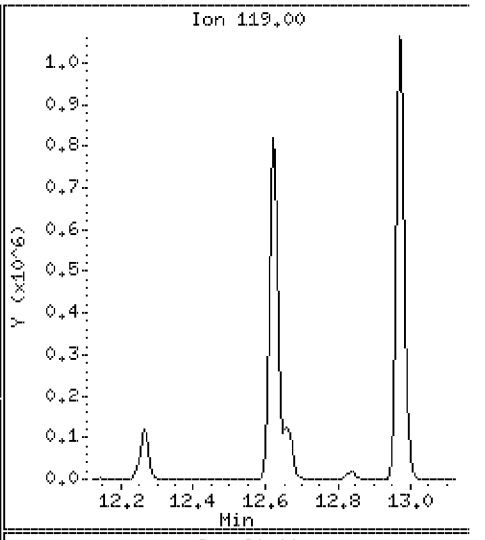
81 tert-Butylbenzene Concentration: 50.2 ug/l

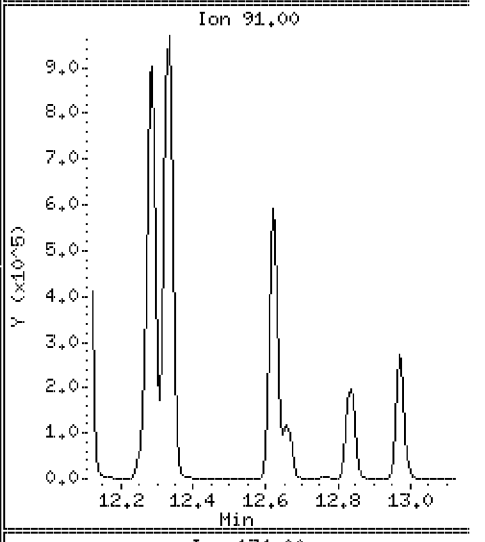


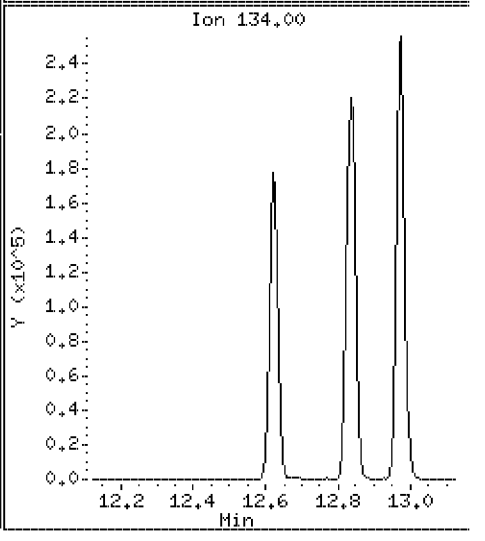












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

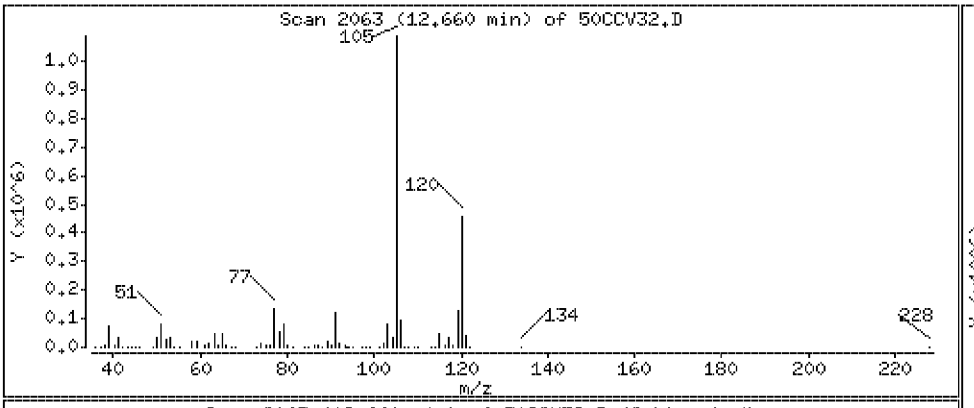
Client ID: 061807CCVA32 Instrument: vms03.i

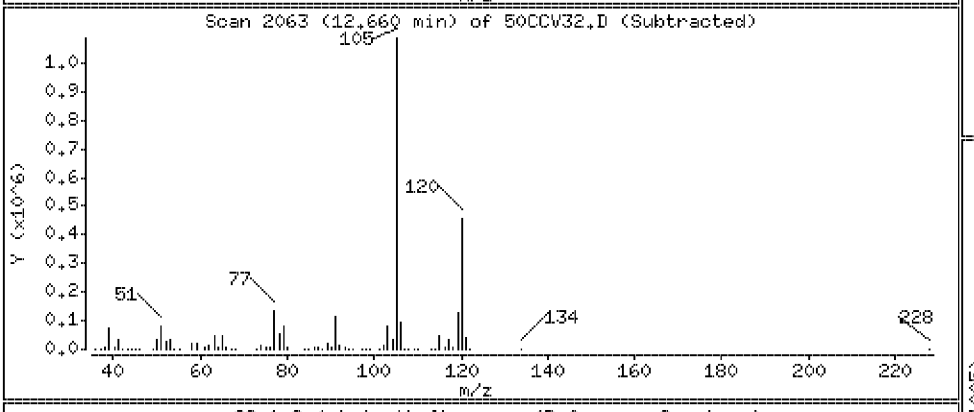
Sample Info: 061807CCVA32

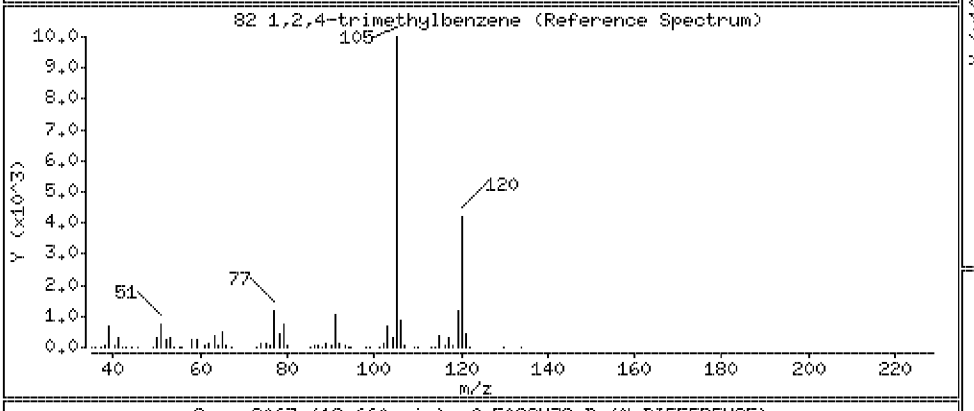
Purge Volume: 5.0 Operator:

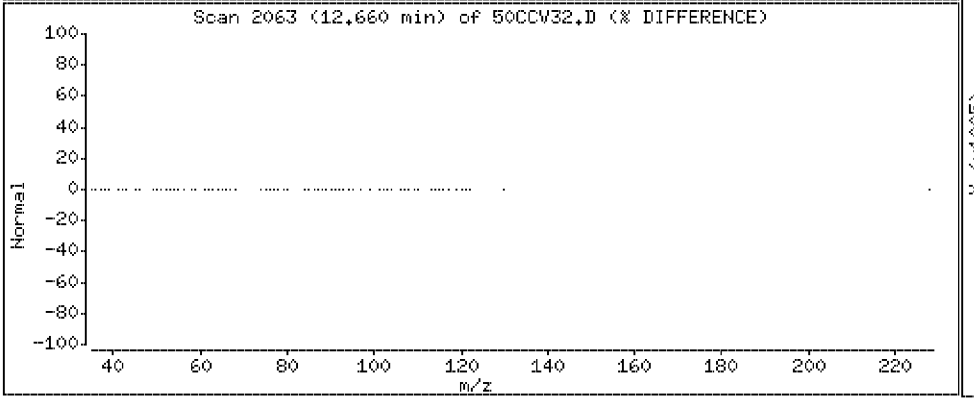
Column phase: DB-624 Column diameter: 0.18

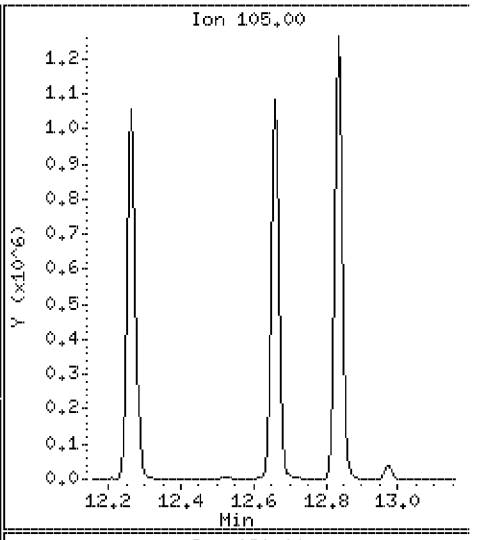
82 1,2,4-trimethylbenzene Concentration: 49.9 ug/l

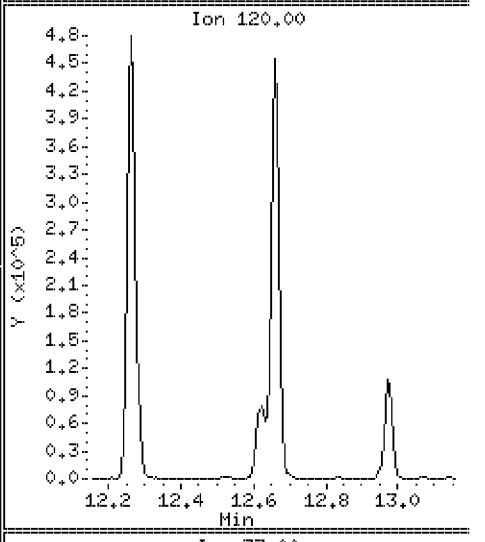


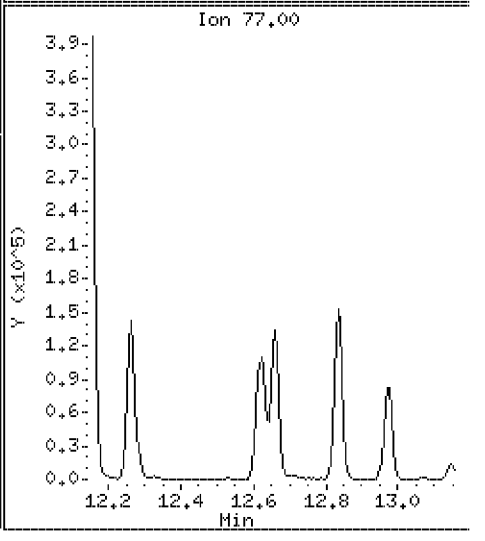












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

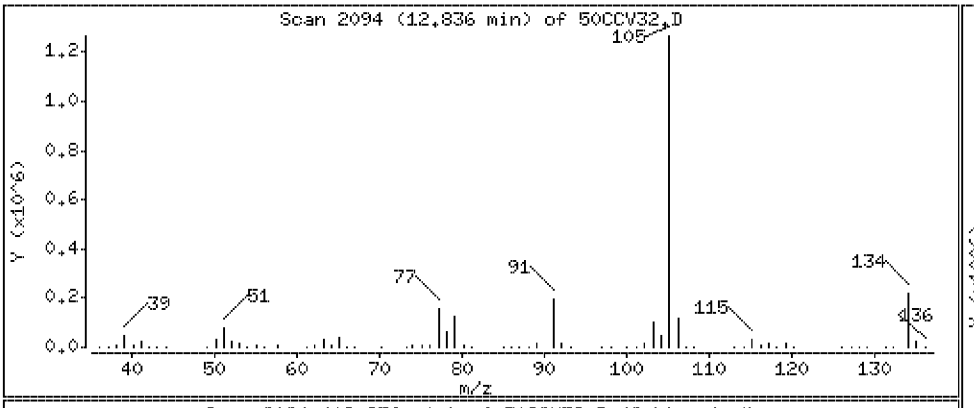
Client ID: 061807CCVA32 Instrument: vms03.i

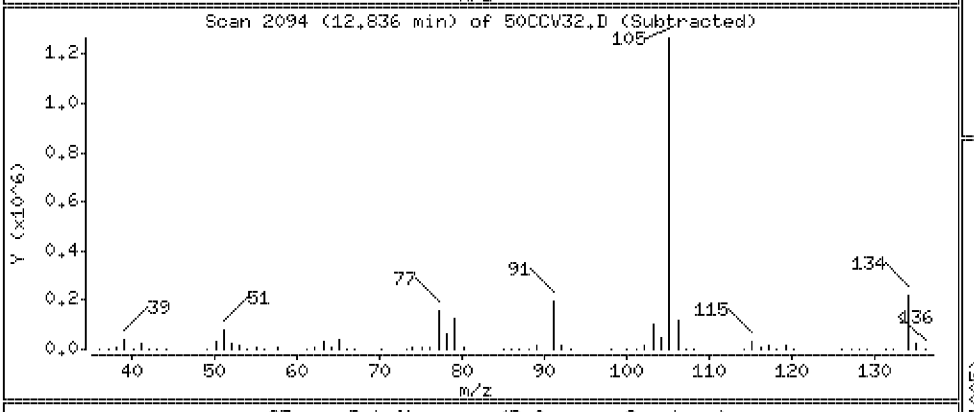
Sample Info: 061807CCVA32

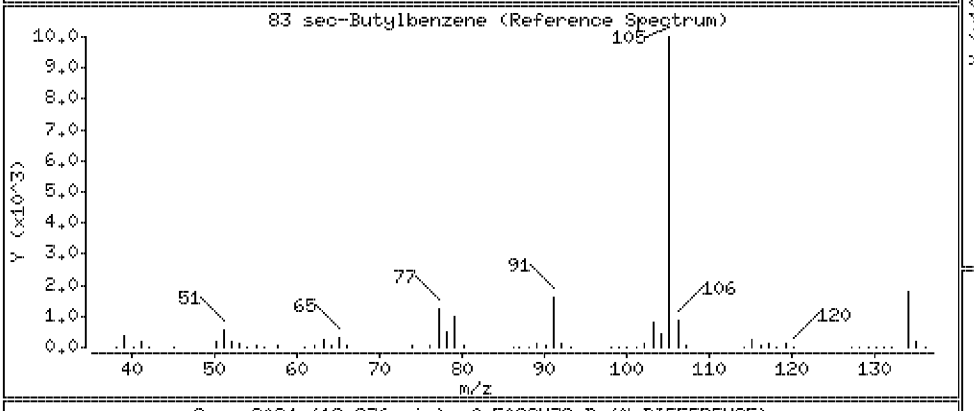
Purge Volume: 5.0 Operator:

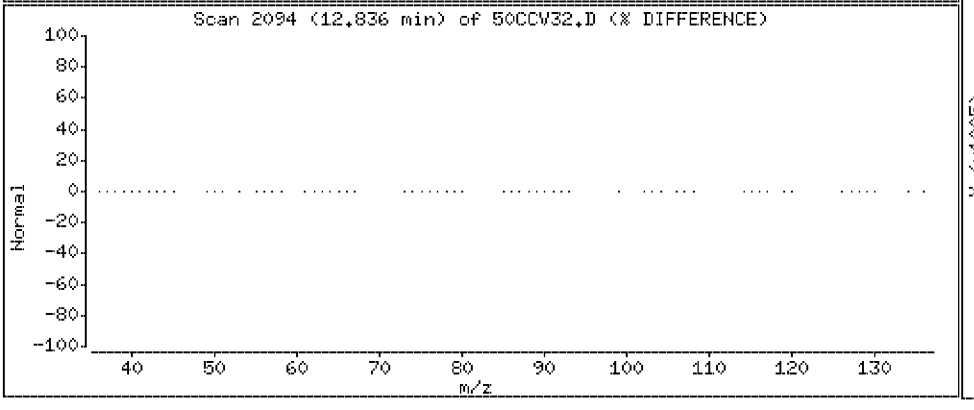
Column phase: DB-624 Column diameter: 0.18

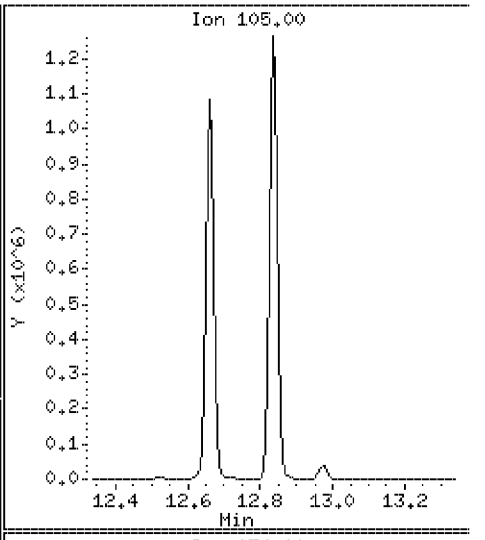
83 sec-Butylbenzene Concentration: 51.1 ug/l

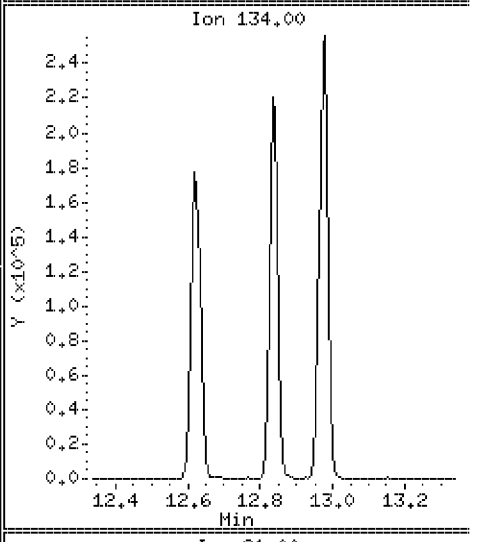


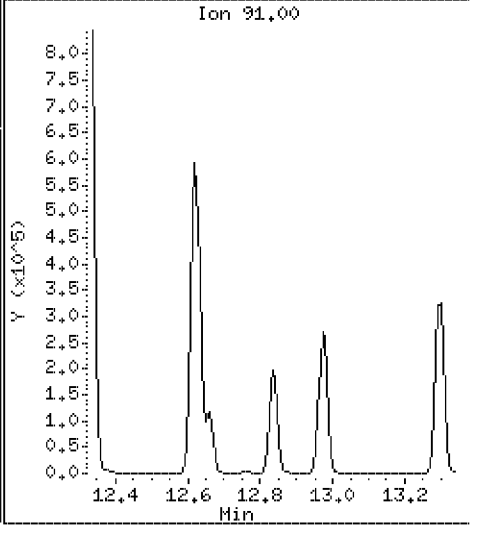












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

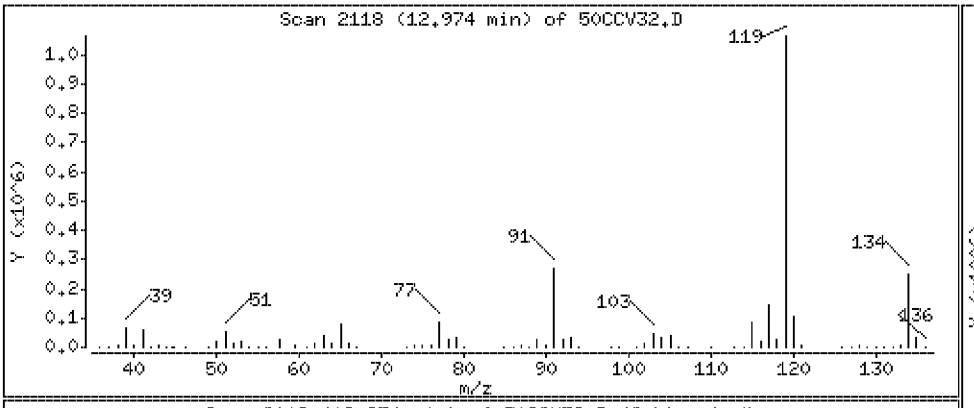
Client ID: 061807CCVA32 Instrument: vms03.i

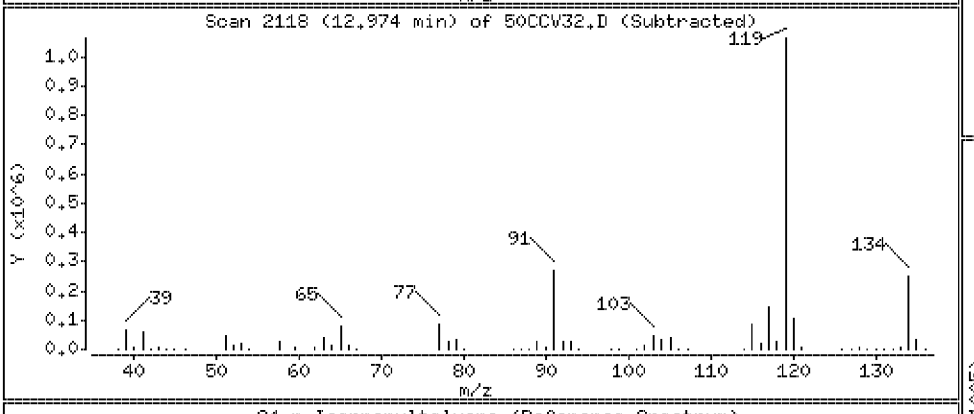
Sample Info: 061807CCVA32

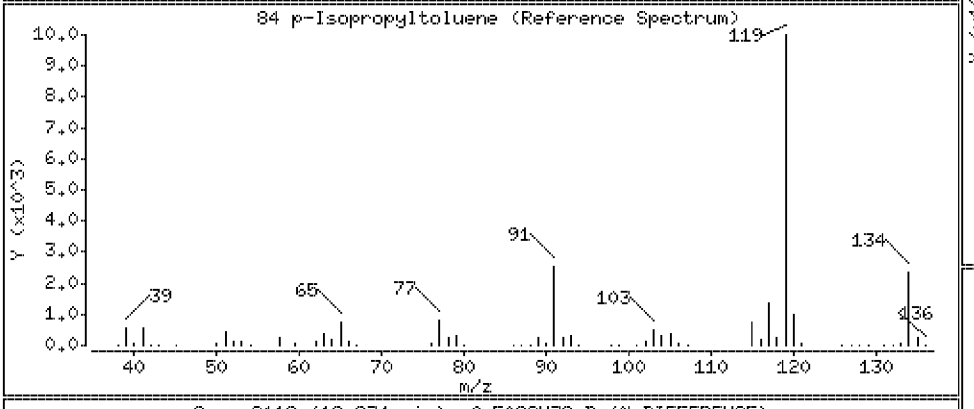
Purge Volume: 5.0 Operator:

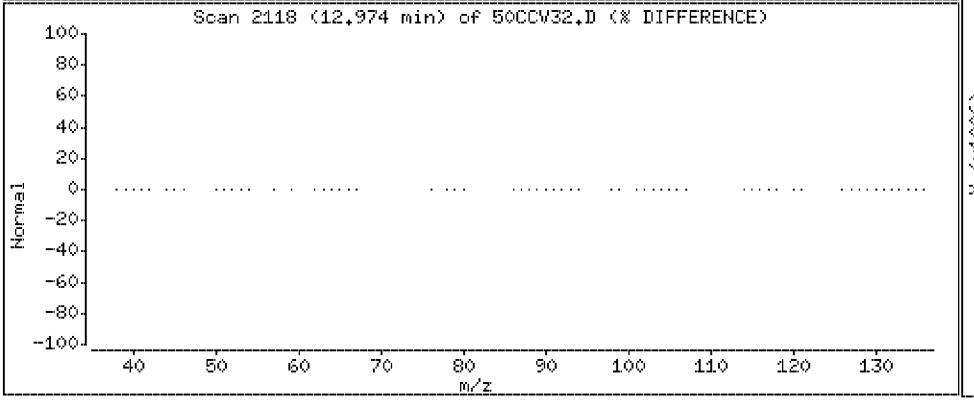
Column phase: DB-624 Column diameter: 0.18

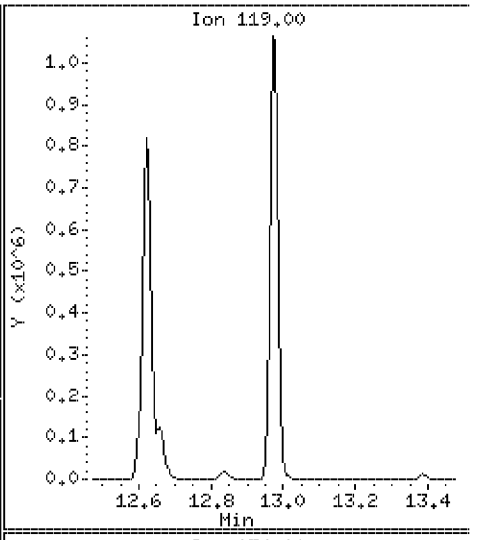
84 p-Isopropyltoluene Concentration: 51.5 ug/l

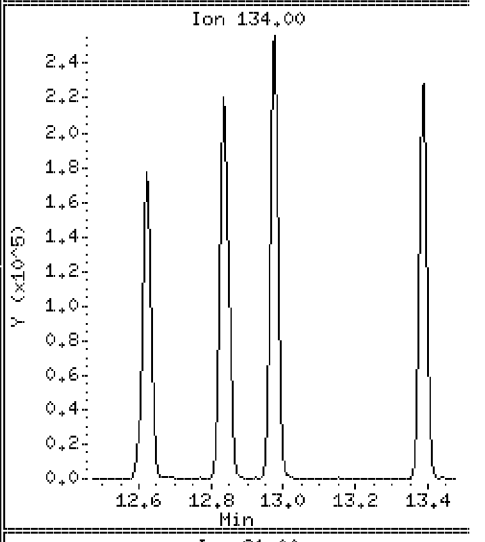


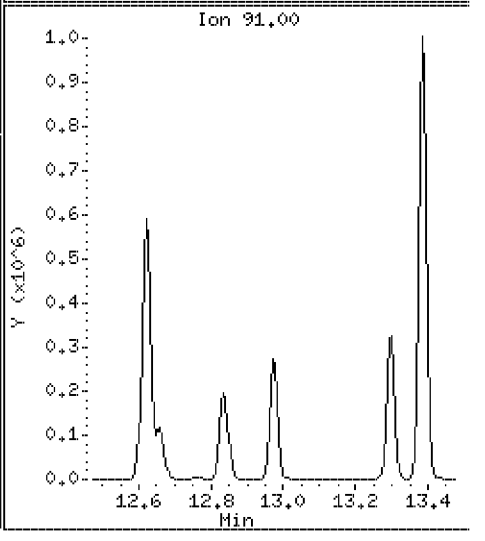












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

Client ID: 061807CCVA32

Instrument: vms03.i

Sample Info: 061807CCVA32

Purge Volume: 5.0

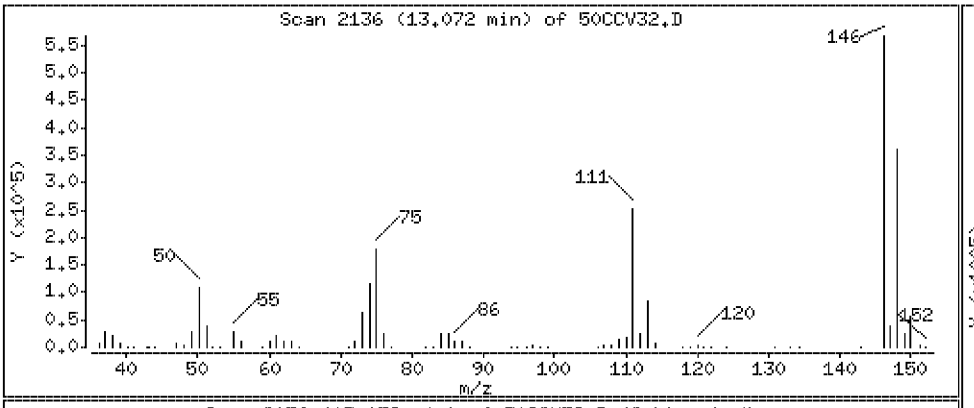
Operator:

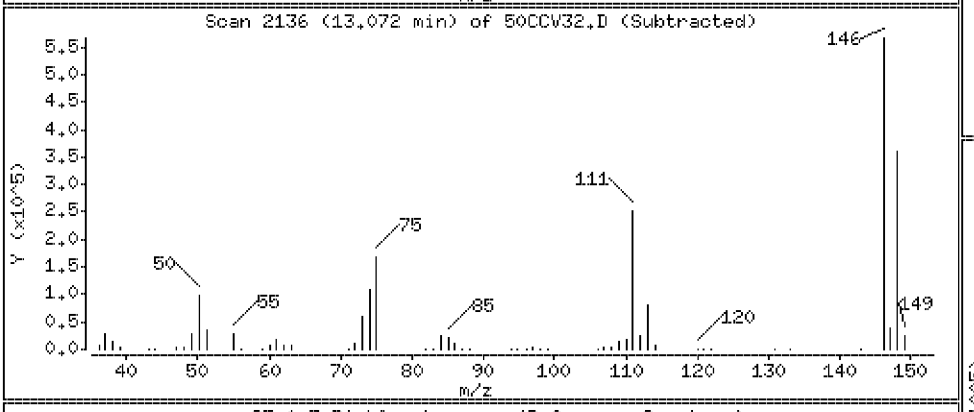
Column phase: DB-624

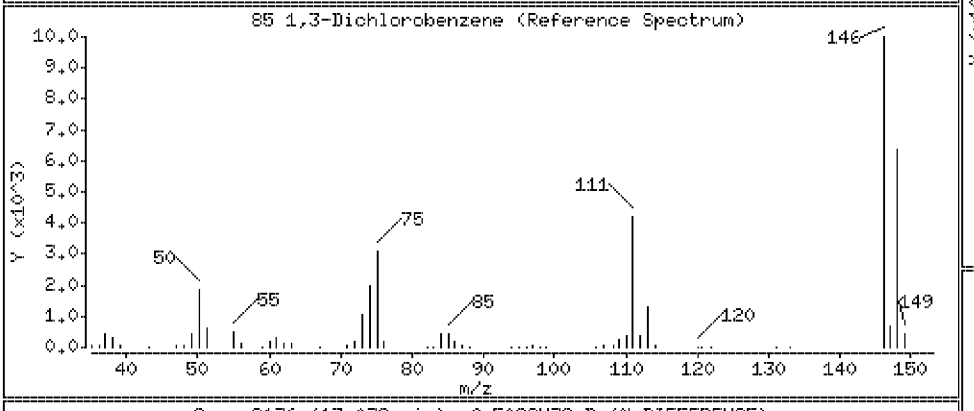
Column diameter: 0.18

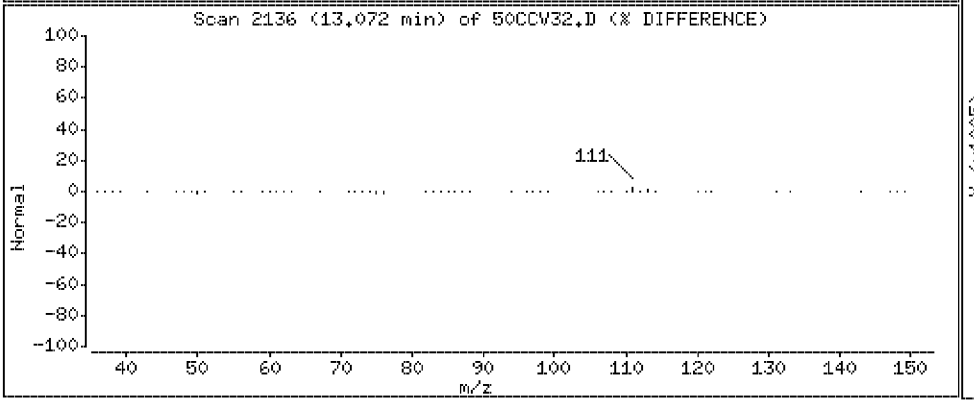
85 1,3-Dichlorobenzene

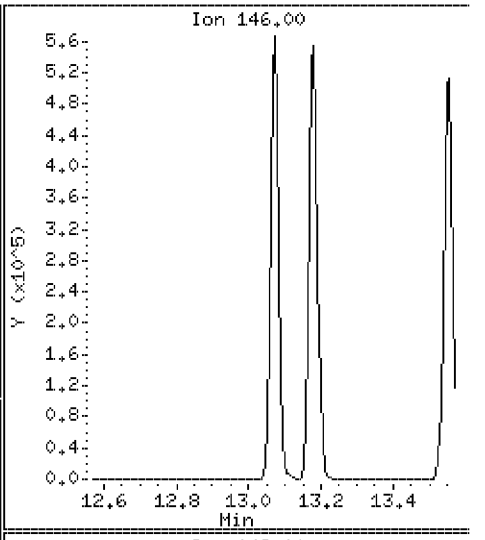
Concentration: 49.9 ug/l

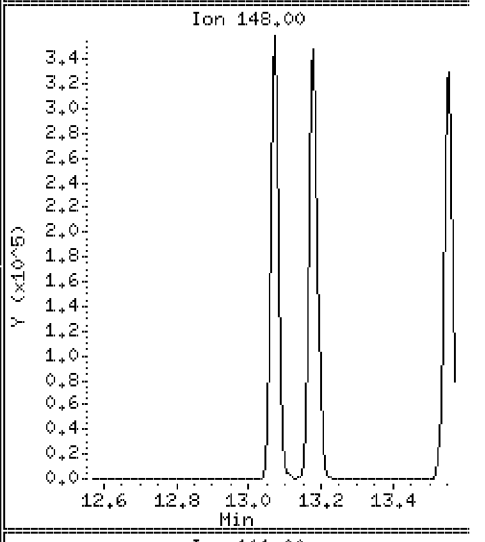


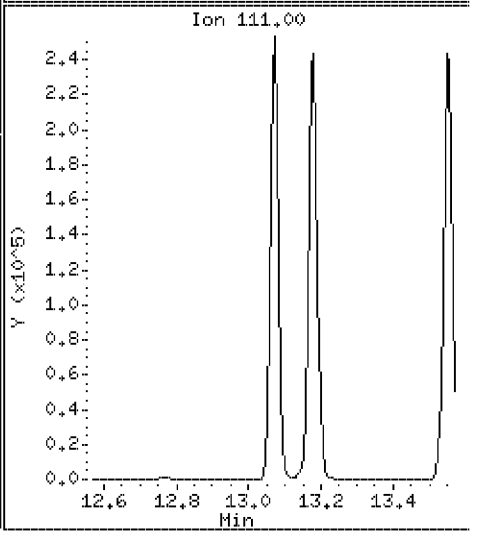












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

Client ID: 061807CCVA32

Instrument: vms03.i

Sample Info: 061807CCVA32

Purge Volume: 5.0

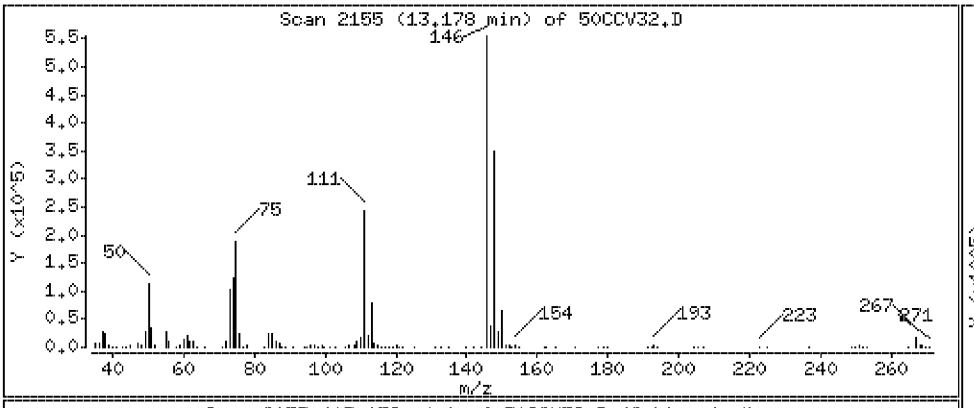
Operator:

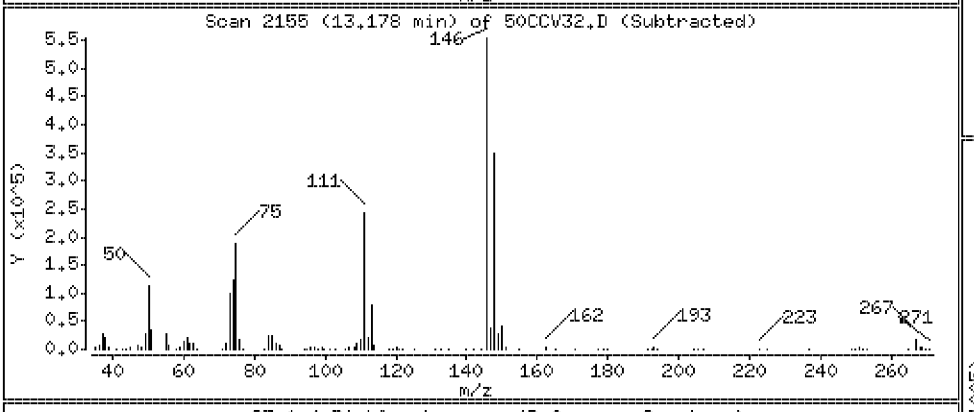
Column phase: DB-624

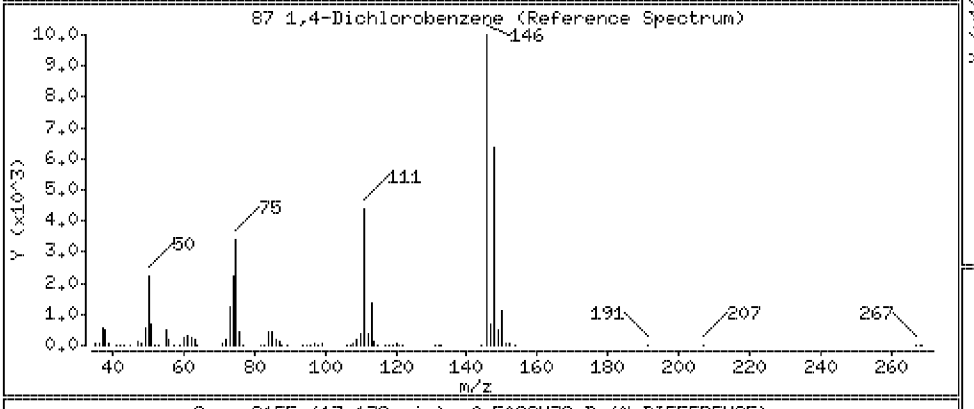
Column diameter: 0.18

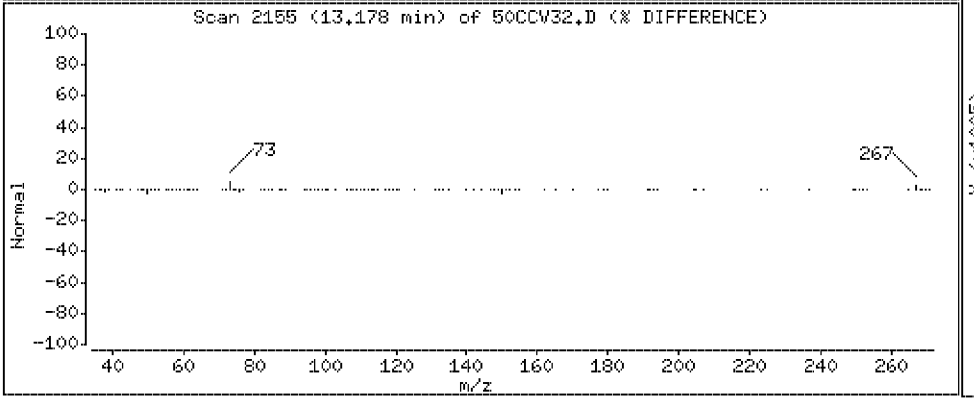
87 1,4-Dichlorobenzene

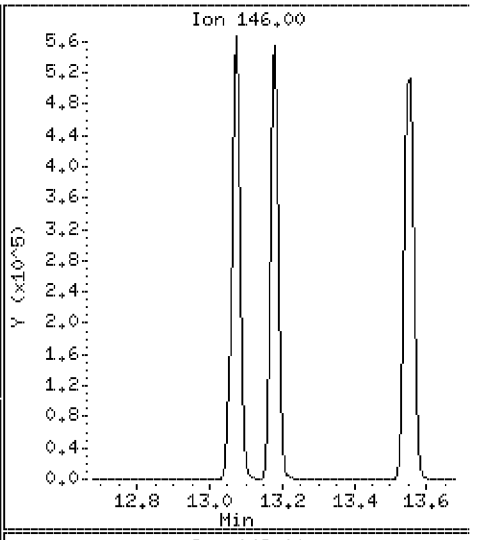
Concentration: 48.6 ug/l

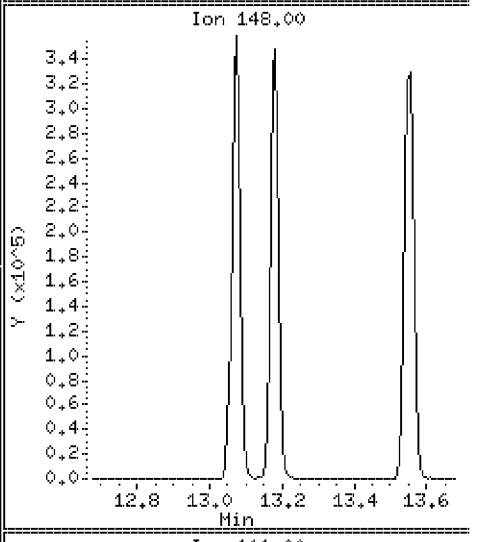


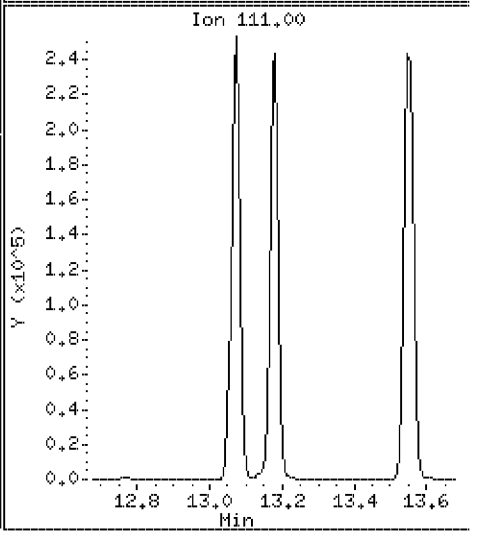












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

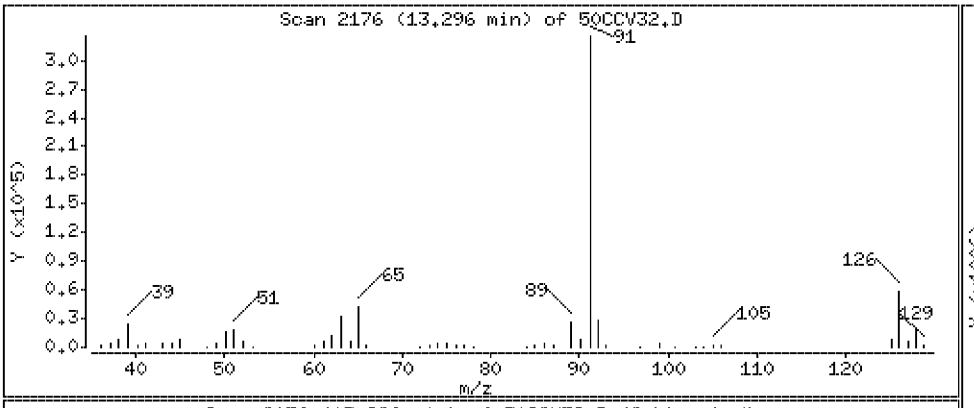
Client ID: 061807CCVA32 Instrument: vms03.i

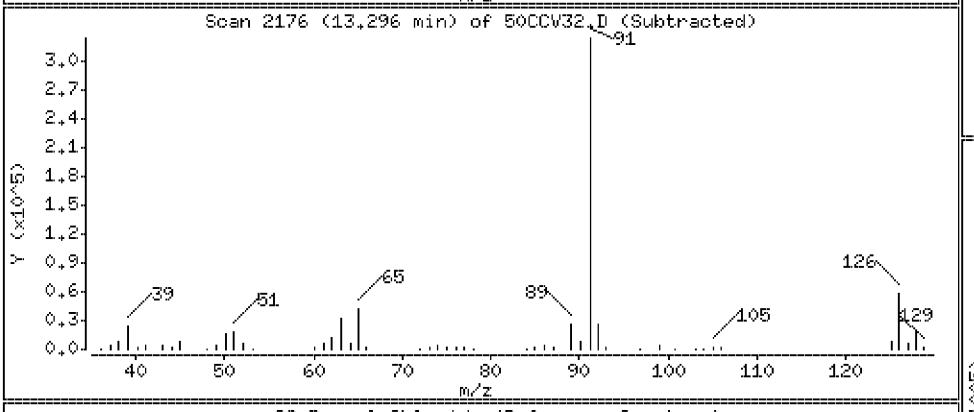
Sample Info: 061807CCVA32

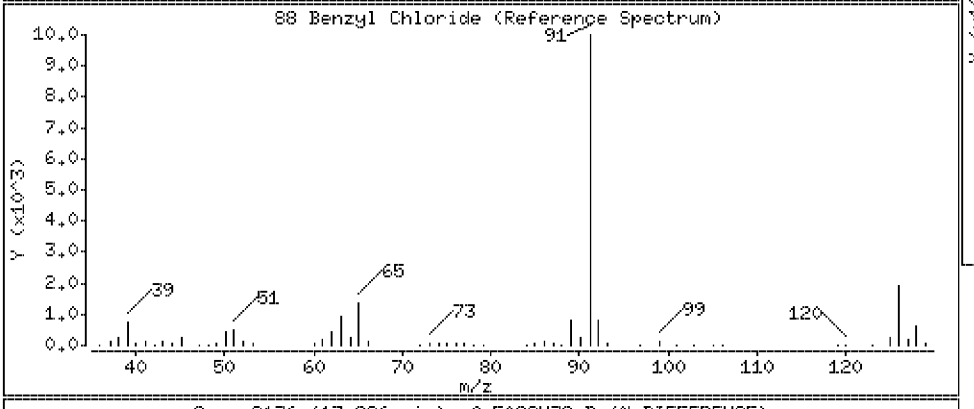
Purge Volume: 5.0 Operator:

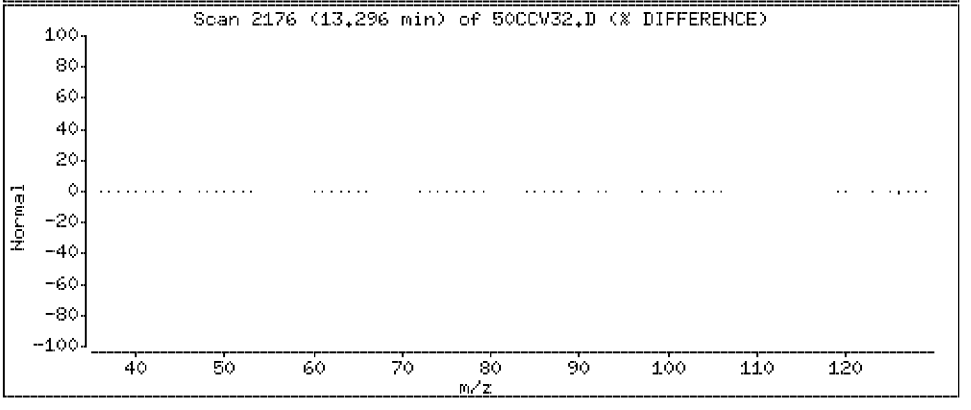
Column phase: DB-624 Column diameter: 0.18

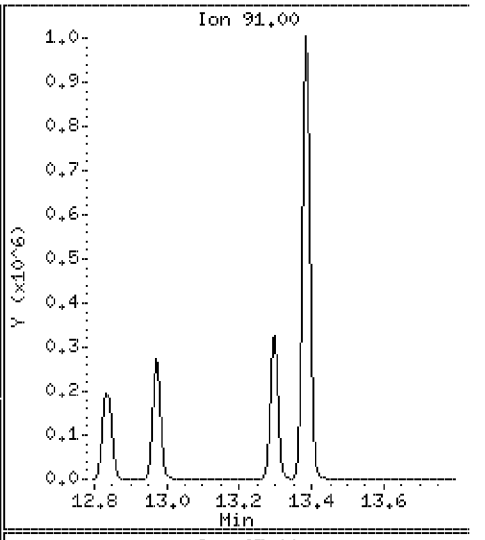
88 Benzyl Chloride Concentration: 44.7 ug/l

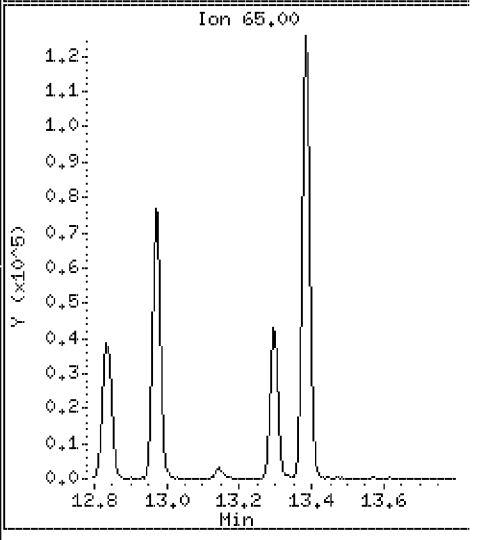












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

Client ID: 061807CCVA32

Instrument: vms03.i

Sample Info: 061807CCVA32

Purge Volume: 5.0

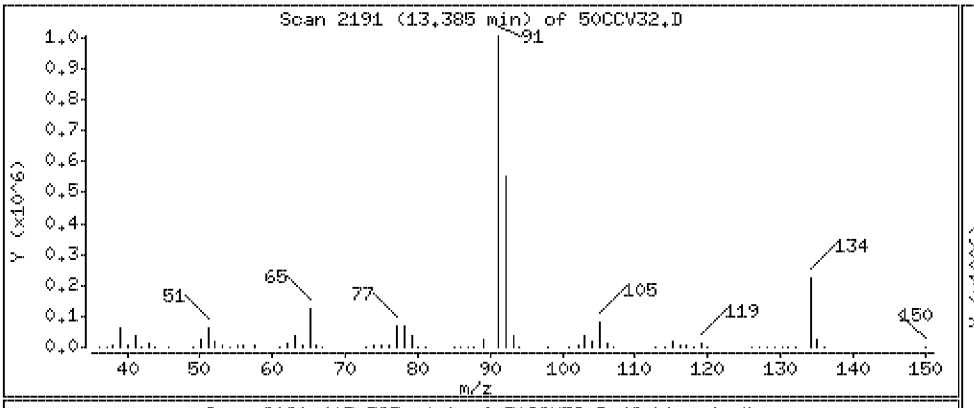
Operator:

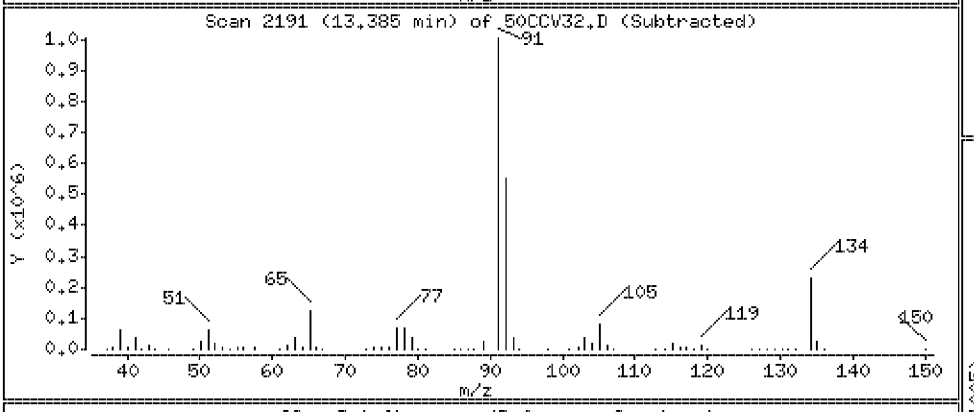
Column phase: DB-624

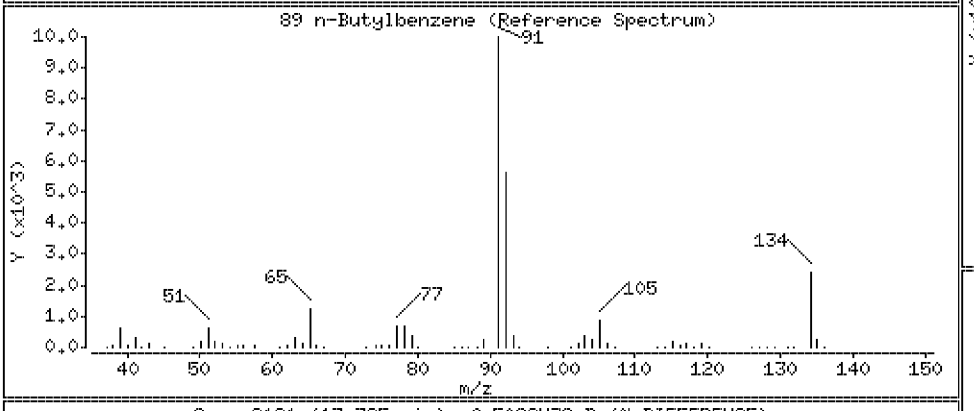
Column diameter: 0.18

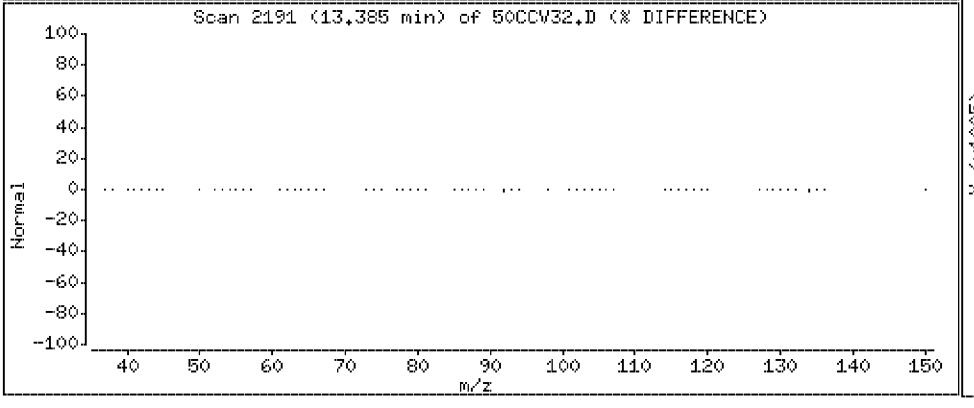
89 n-Butylbenzene

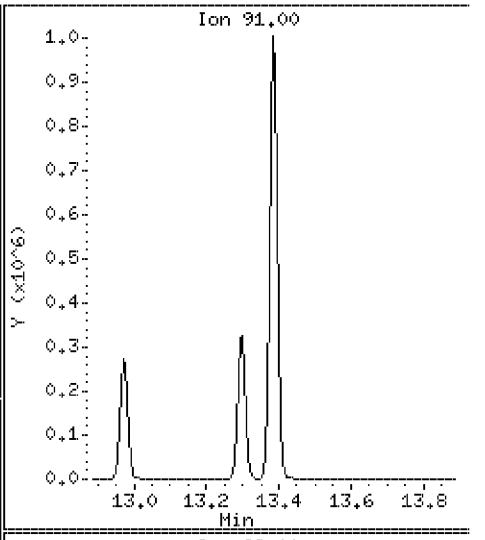
Concentration: 52.8 ug/l

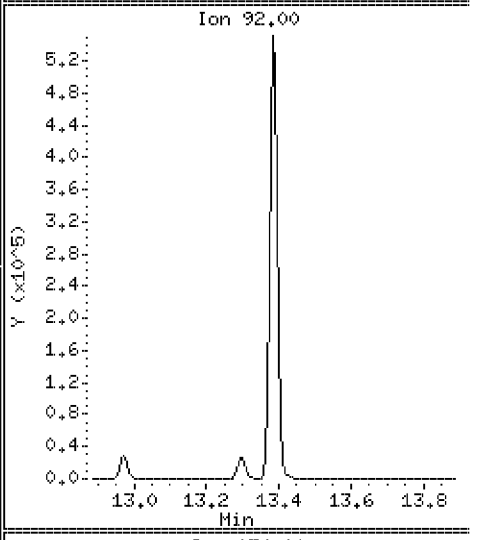


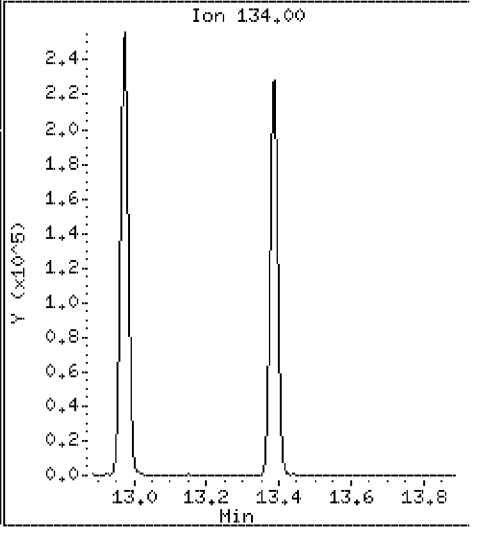












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

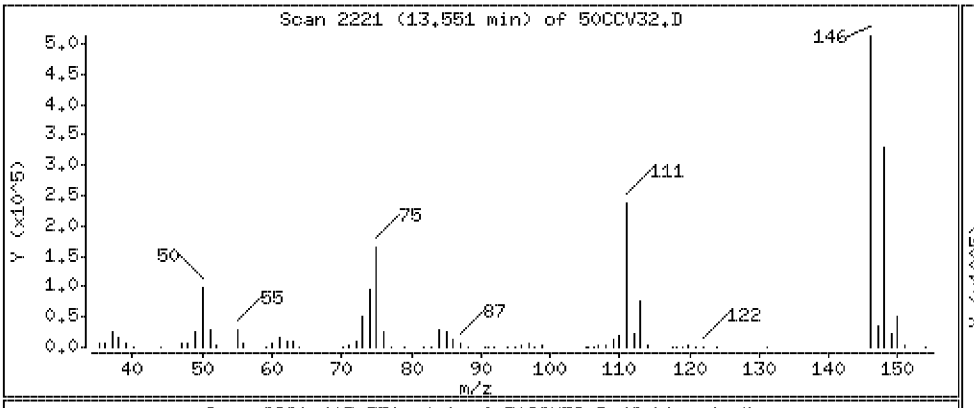
Client ID: 061807CCVA32 Instrument: vms03.i

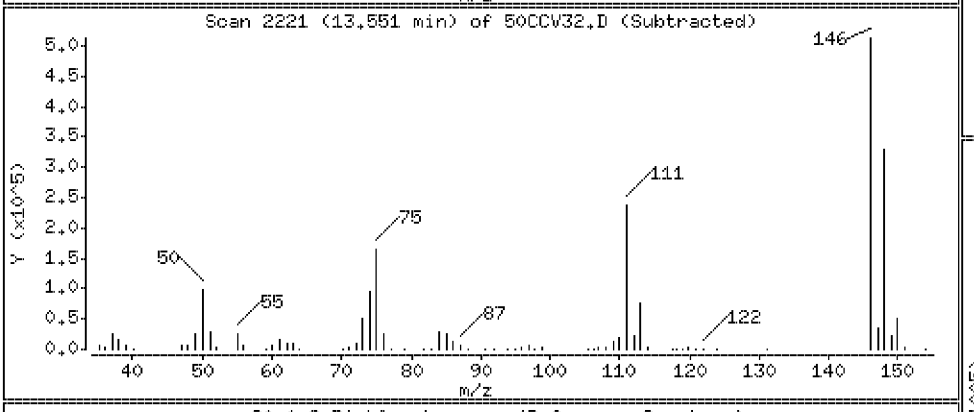
Sample Info: 061807CCVA32

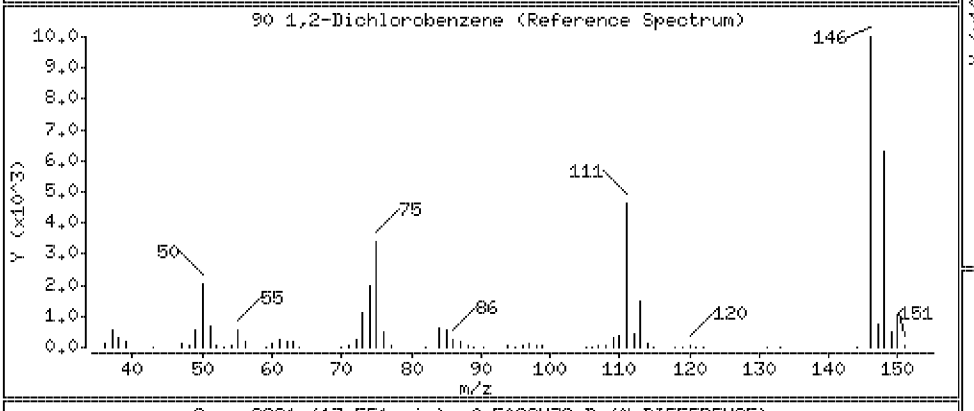
Purge Volume: 5.0 Operator:

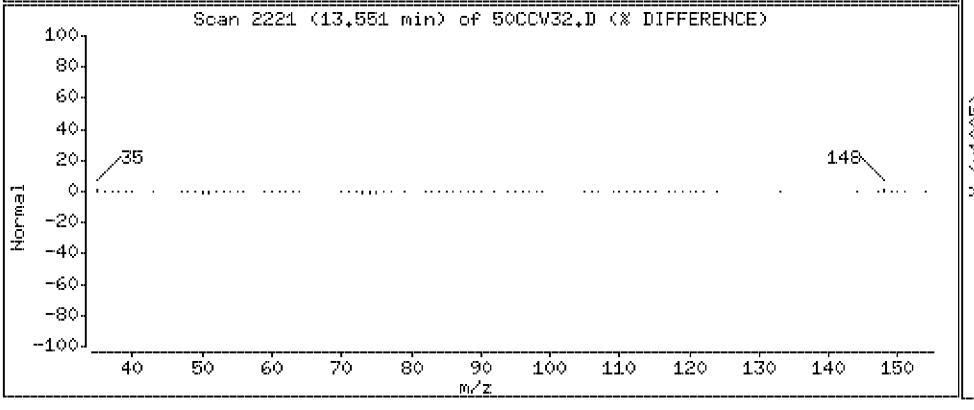
Column phase: DB-624 Column diameter: 0.18

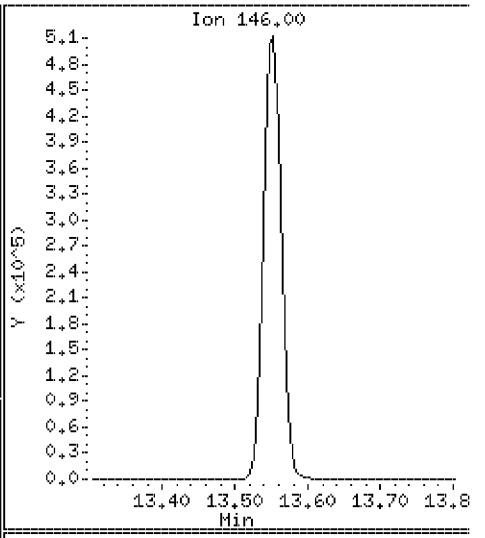
90 1,2-Dichlorobenzene Concentration: 49.4 ug/l

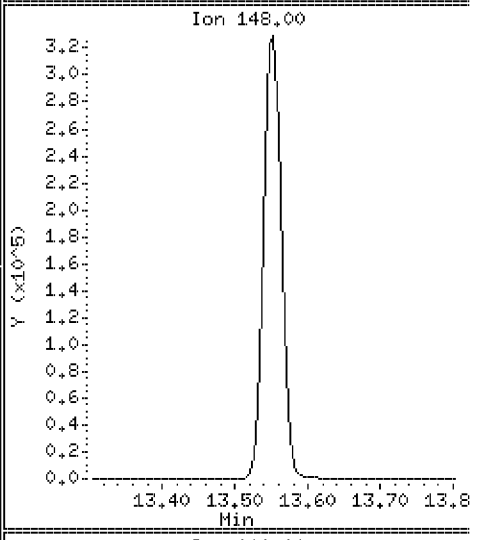


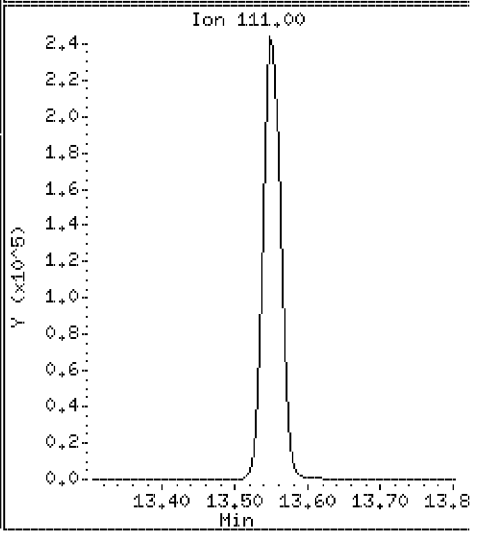












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

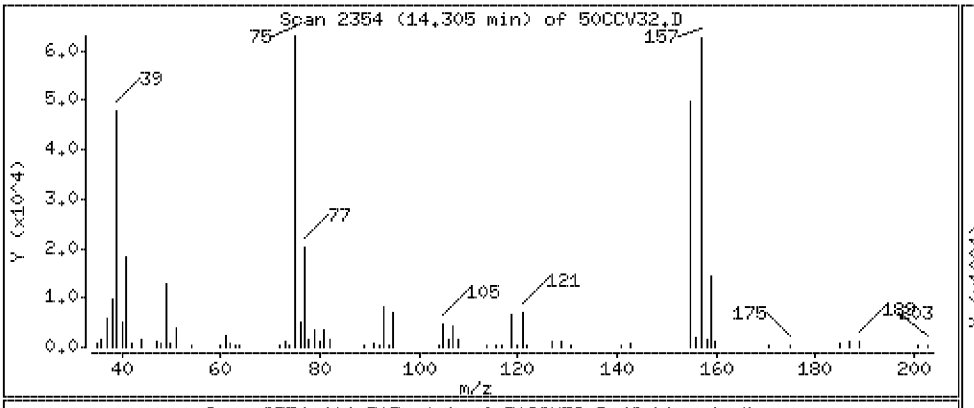
Client ID: 061807CCVA32 Instrument: vms03.i

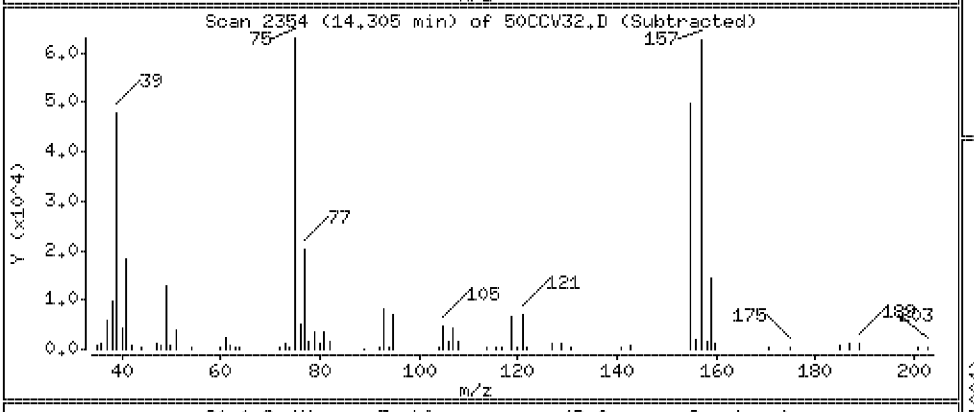
Sample Info: 061807CCVA32

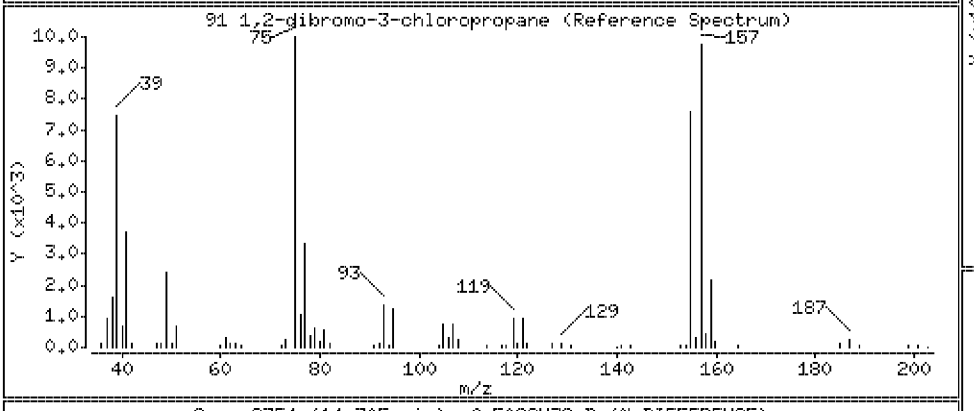
Purge Volume: 5.0 Operator:

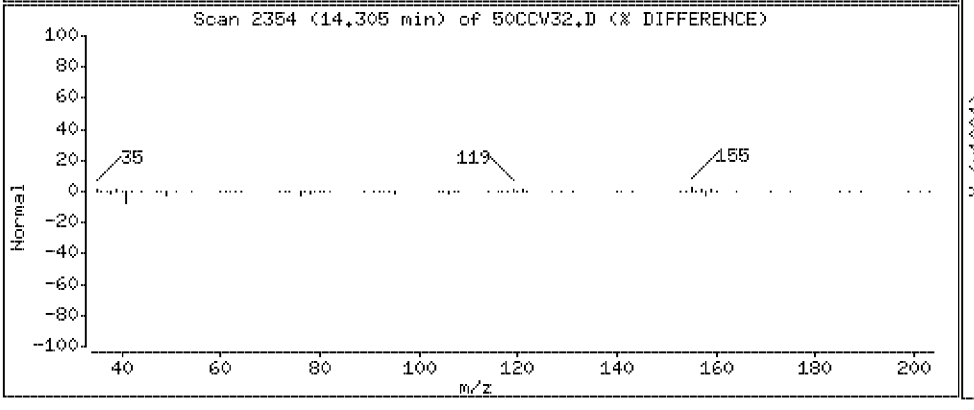
Column phase: DB-624 Column diameter: 0.18

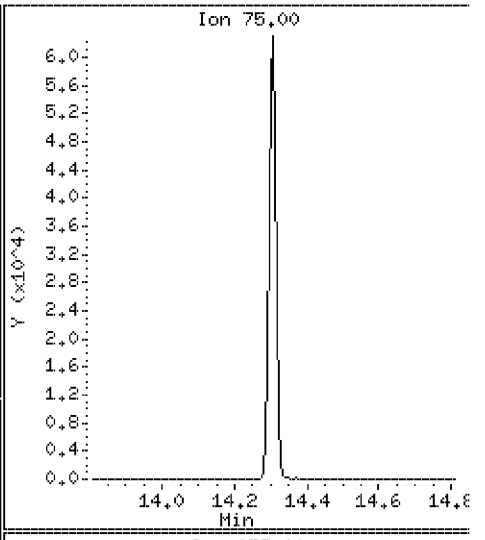
91 1,2-dibromo-3-chloropropane Concentration: 52.9 ug/l

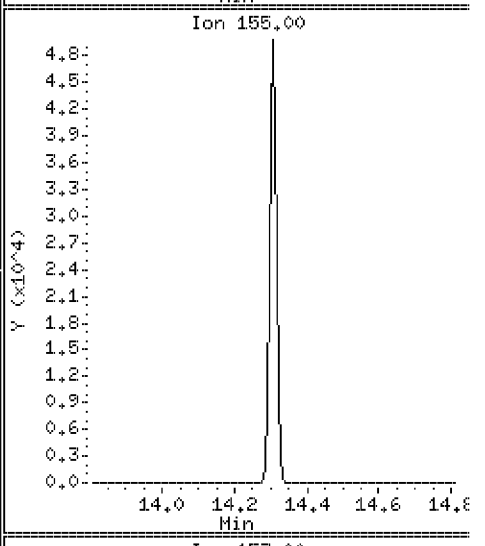


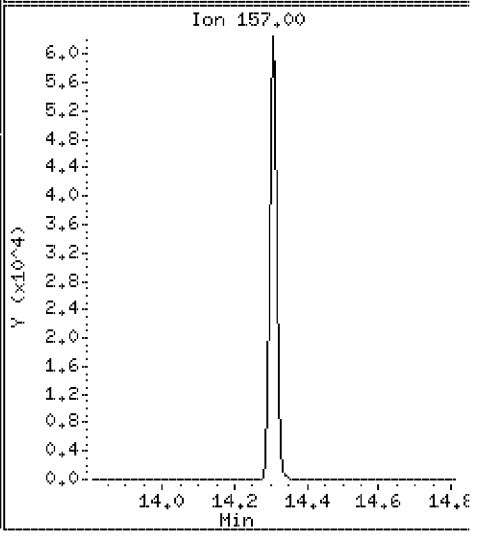












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

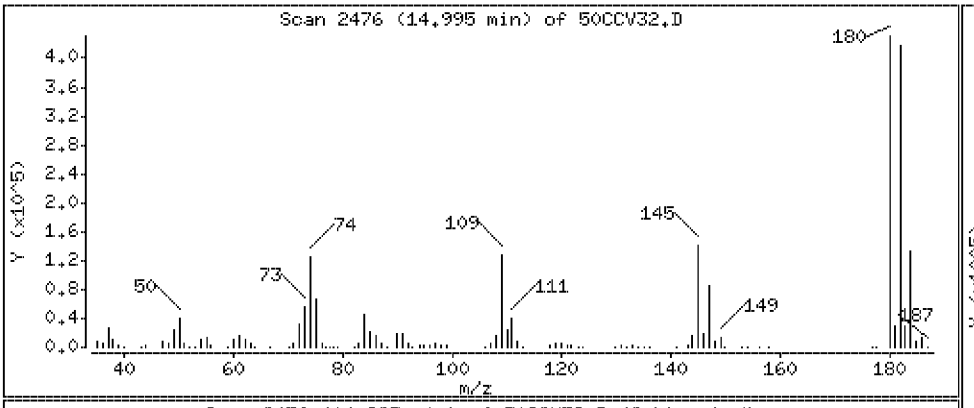
Client ID: 061807CCVA32 Instrument: vms03.i

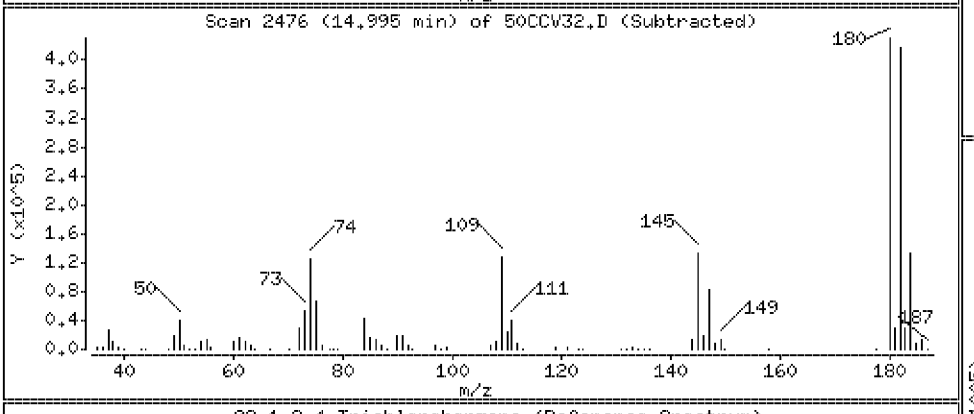
Sample Info: 061807CCVA32

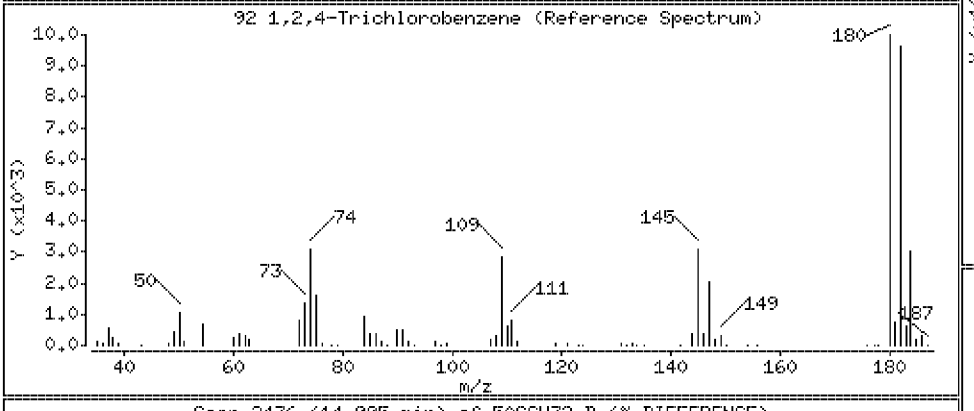
Purge Volume: 5.0 Operator:

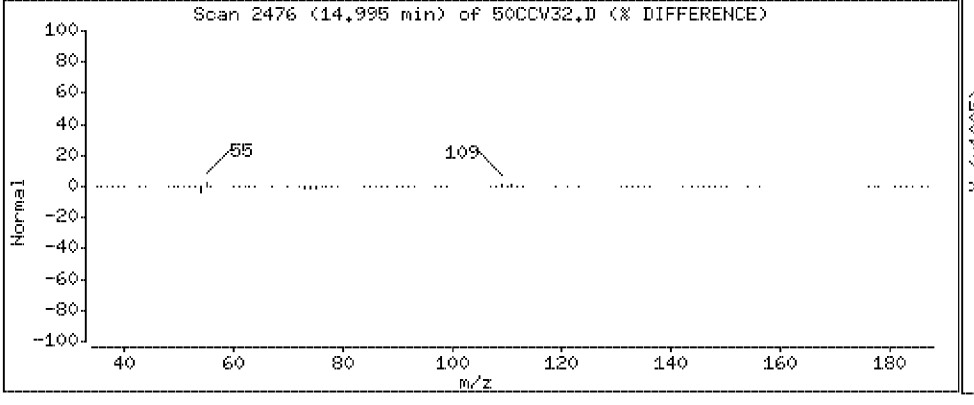
Column phase: DB-624 Column diameter: 0.18

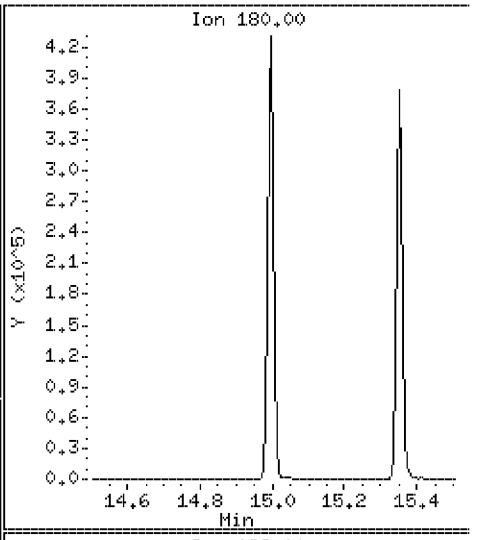
92 1,2,4-Trichlorobenzene Concentration: 53.2 ug/l

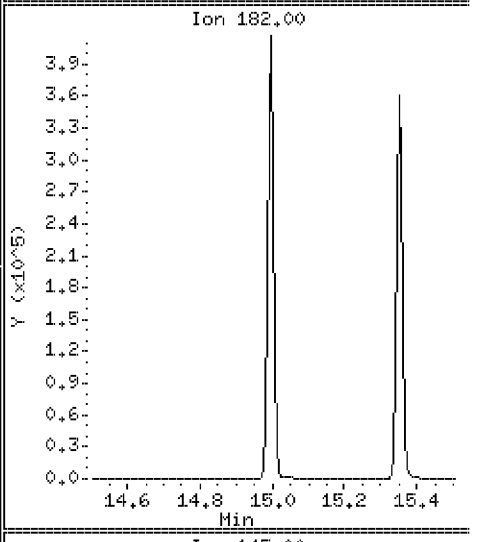


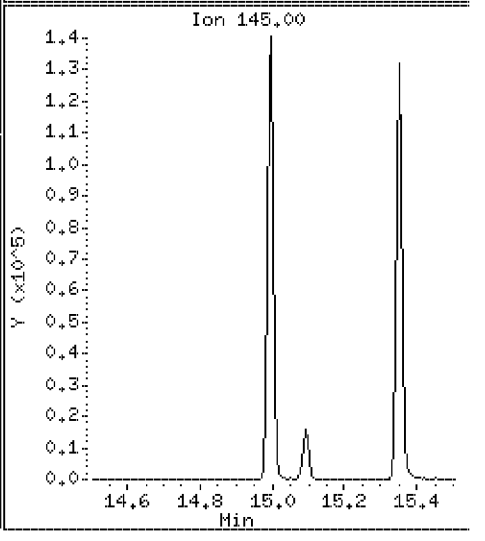












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

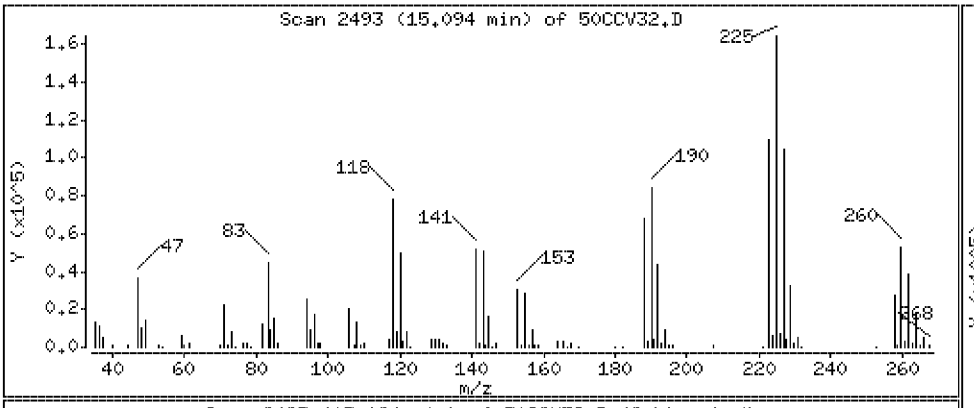
Client ID: 061807CCVA32 Instrument: vms03.i

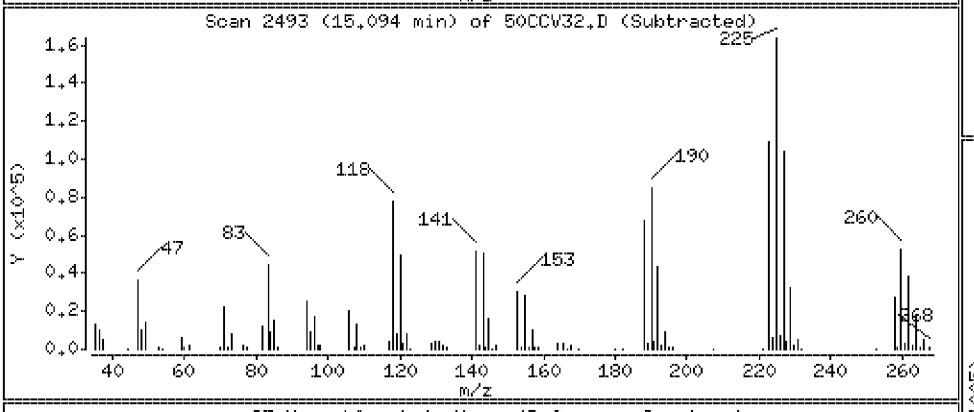
Sample Info: 061807CCVA32

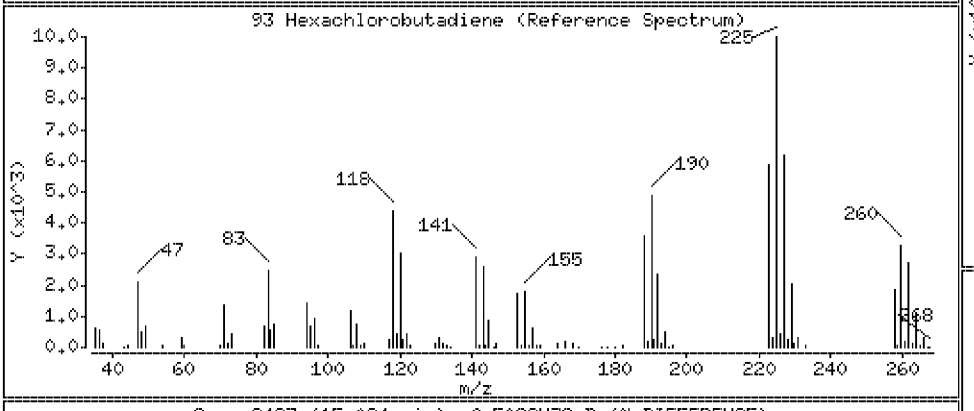
Purge Volume: 5.0 Operator:

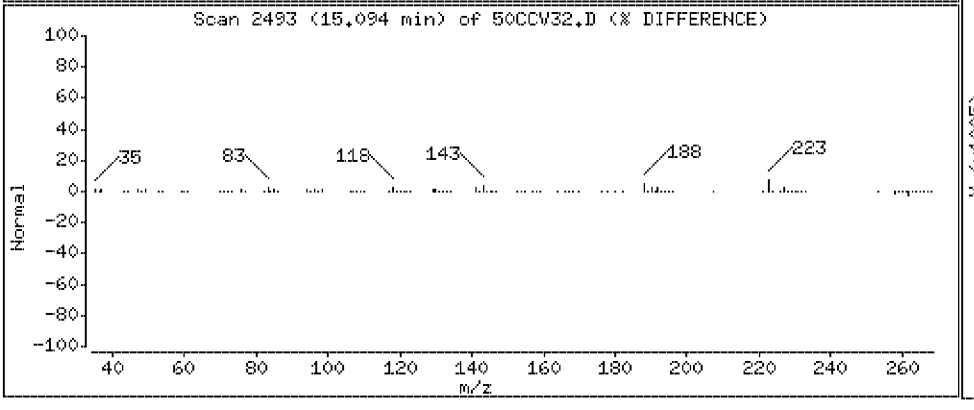
Column phase: DB-624 Column diameter: 0.18

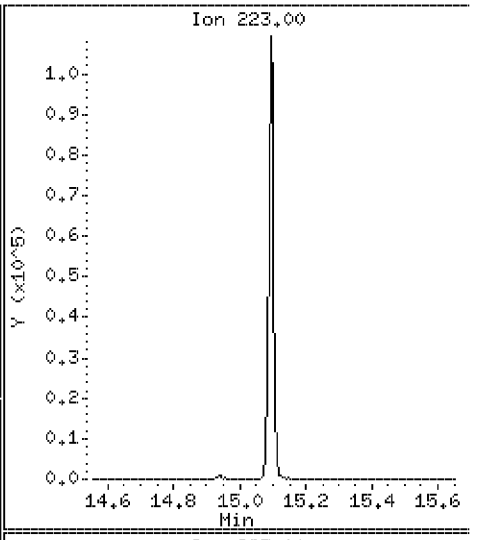
93 Hexachlorobutadiene Concentration: 52.5 ug/l

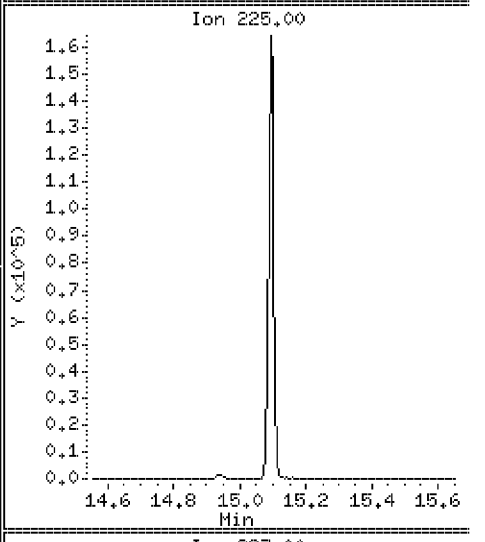


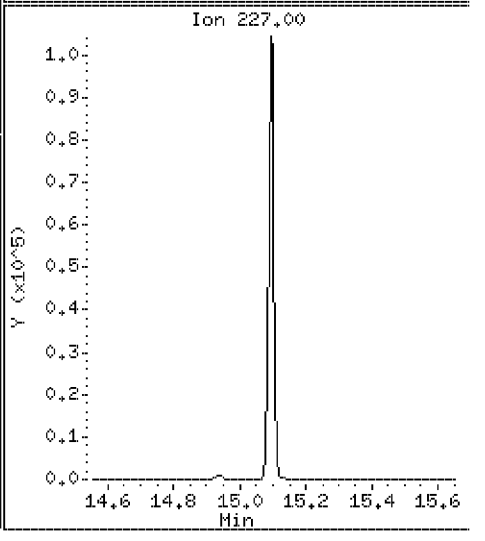












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

Client ID: 061807CCVA32

Instrument: vms03.i

Sample Info: 061807CCVA32

Purge Volume: 5.0

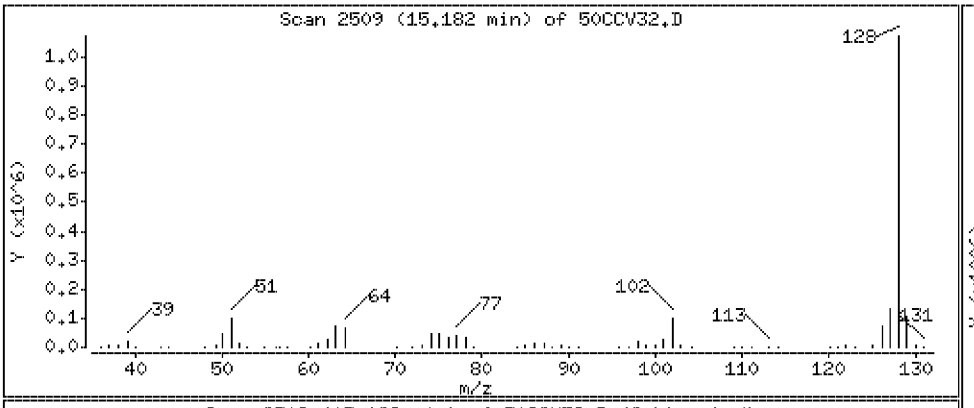
Operator:

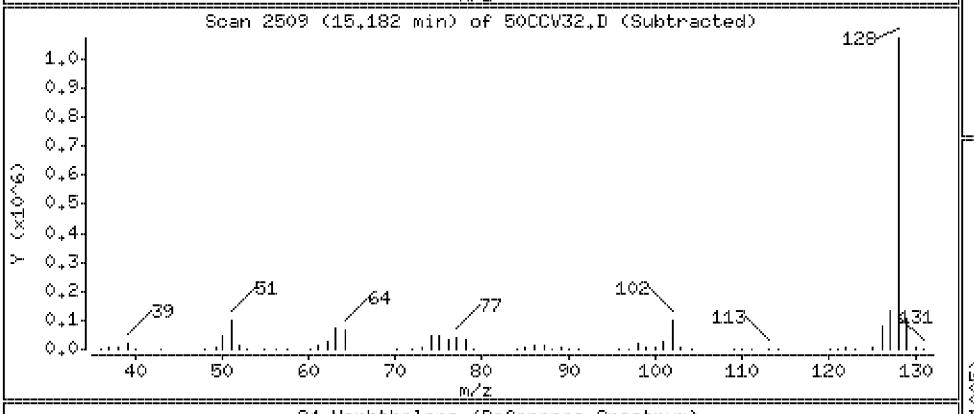
Column phase: DB-624

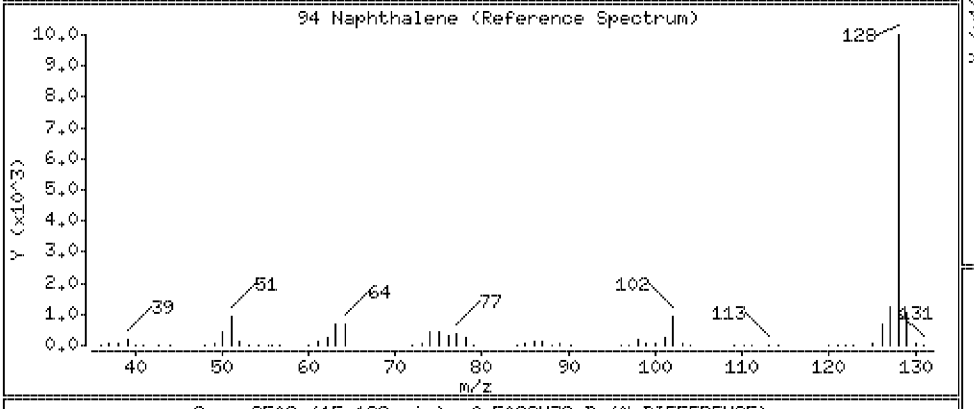
Column diameter: 0.18

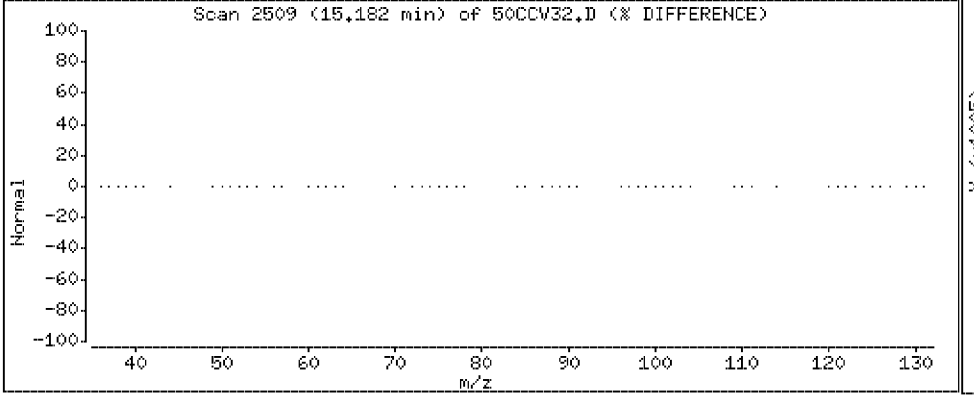
94 Naphthalene

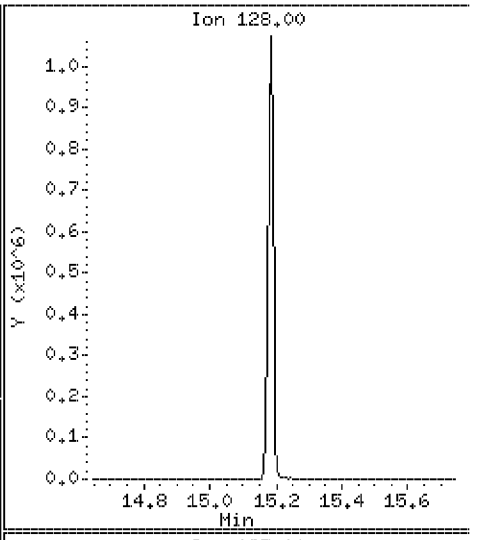
Concentration: 53.7 ug/l

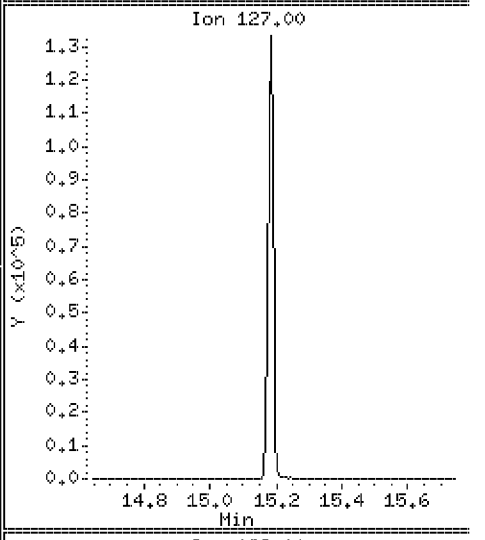


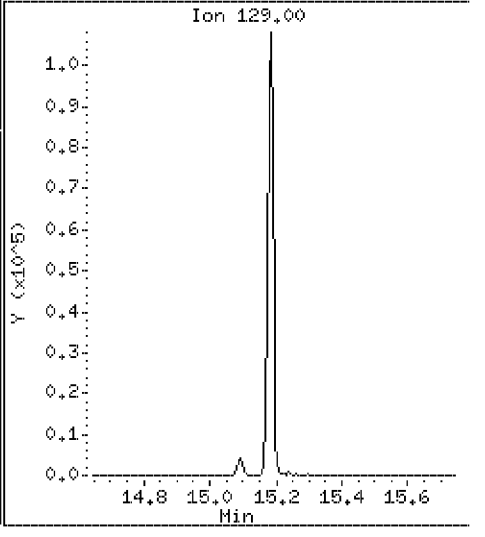












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

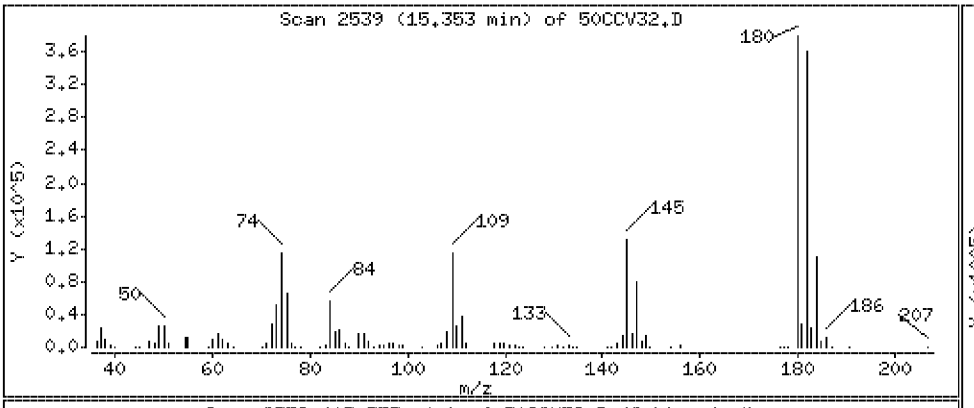
Client ID: 061807CCVA32 Instrument: vms03.i

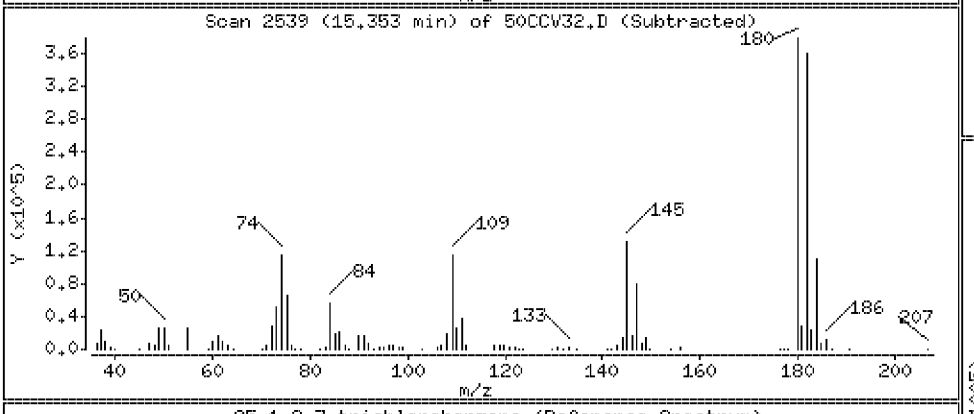
Sample Info: 061807CCVA32

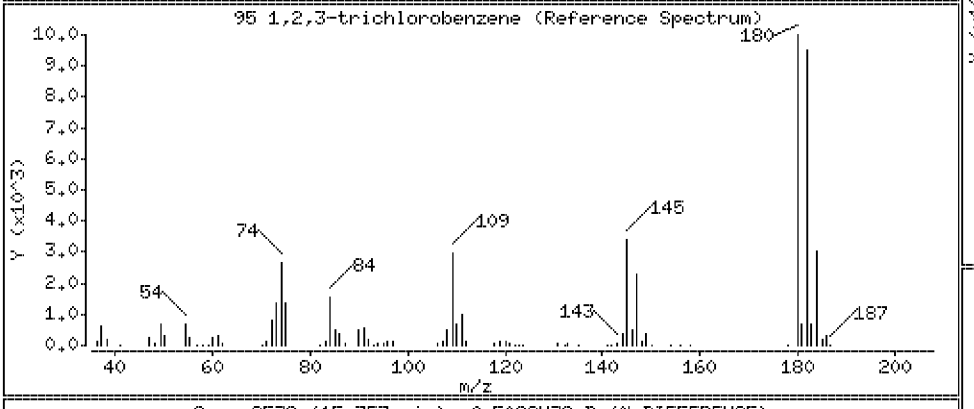
Purge Volume: 5.0 Operator:

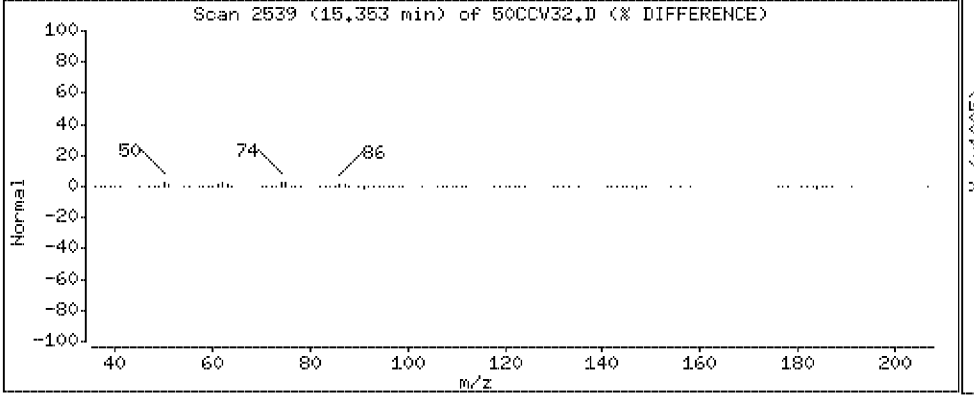
Column phase: DB-624 Column diameter: 0.18

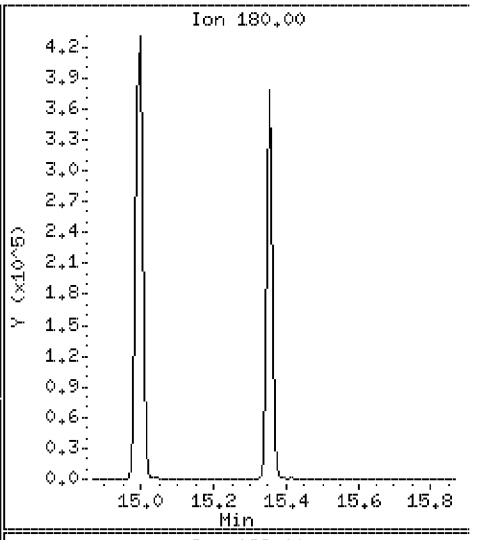
95 1,2,3-trichlorobenzene Concentration: 53.2 ug/l

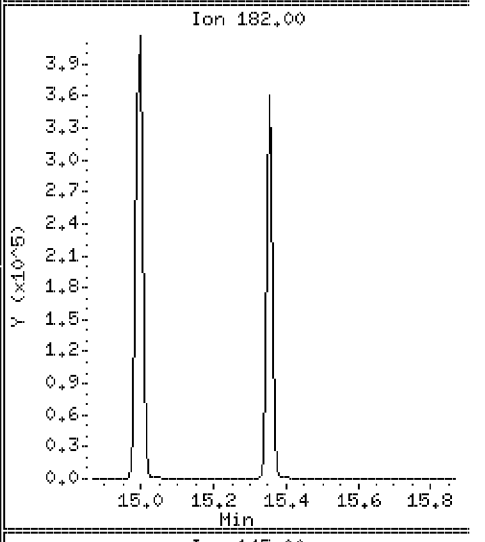


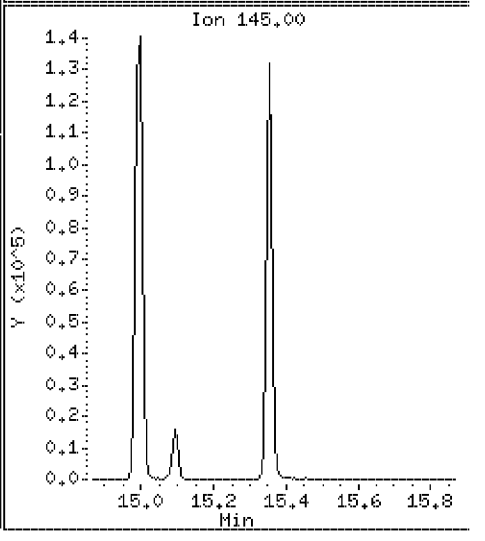












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

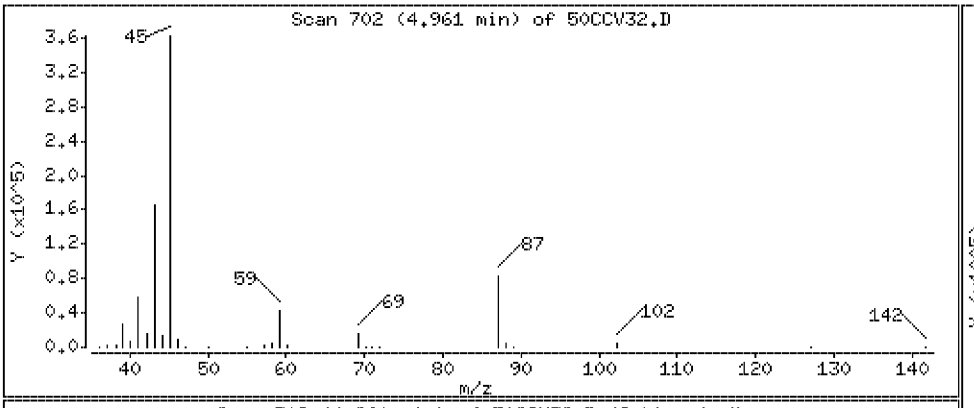
Client ID: 061807CCVA32 Instrument: vms03.i

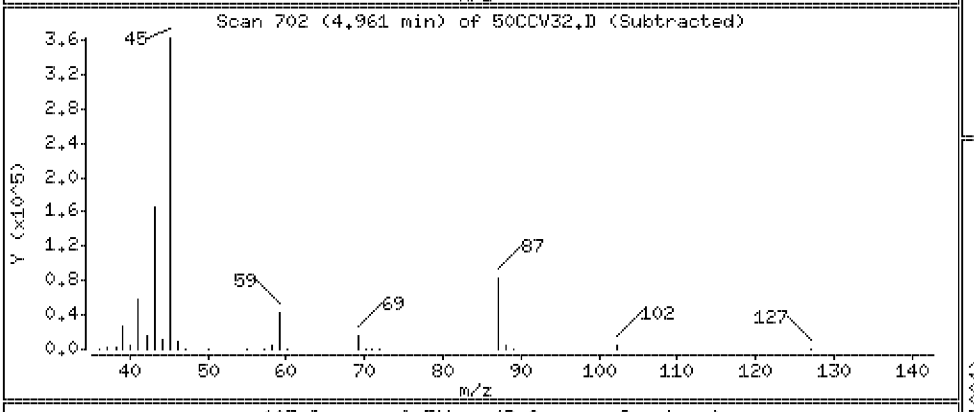
Sample Info: 061807CCVA32

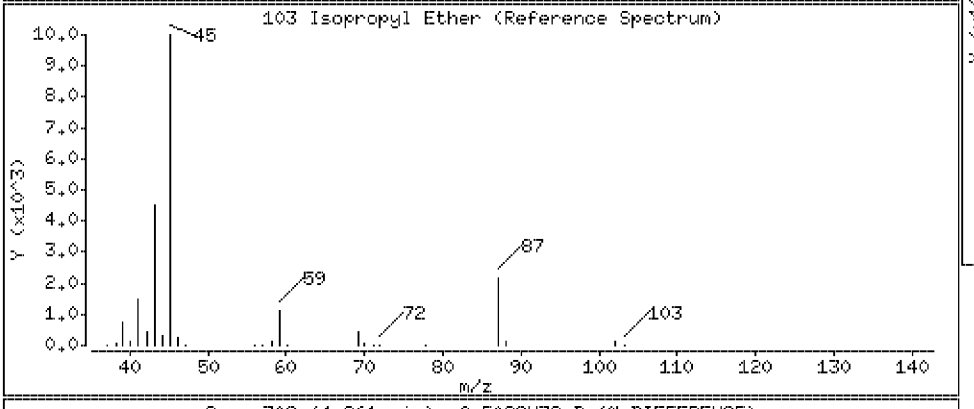
Purge Volume: 5.0 Operator:

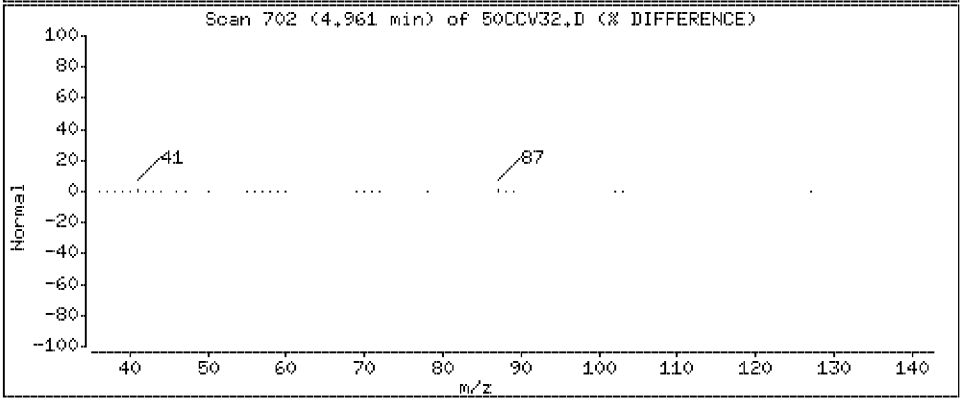
Column phase: DB-624 Column diameter: 0.18

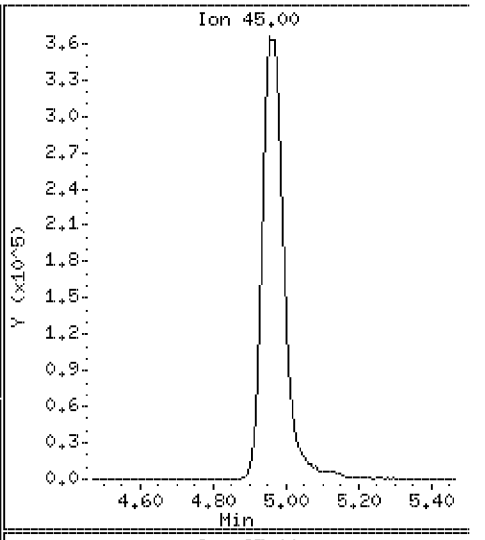
103 Isopropyl Ether Concentration: 50.0 ug/l

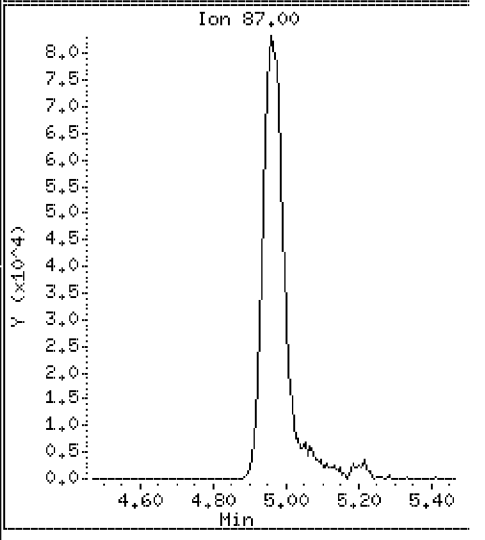












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

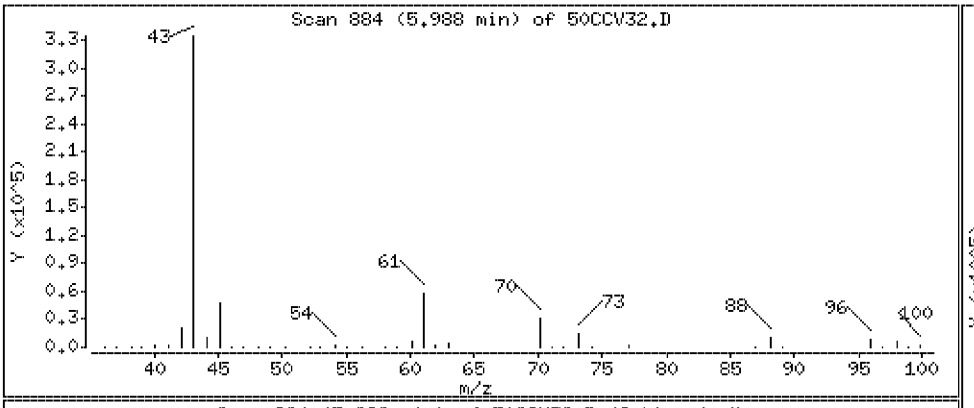
Client ID: 061807CCVA32 Instrument: vms03.i

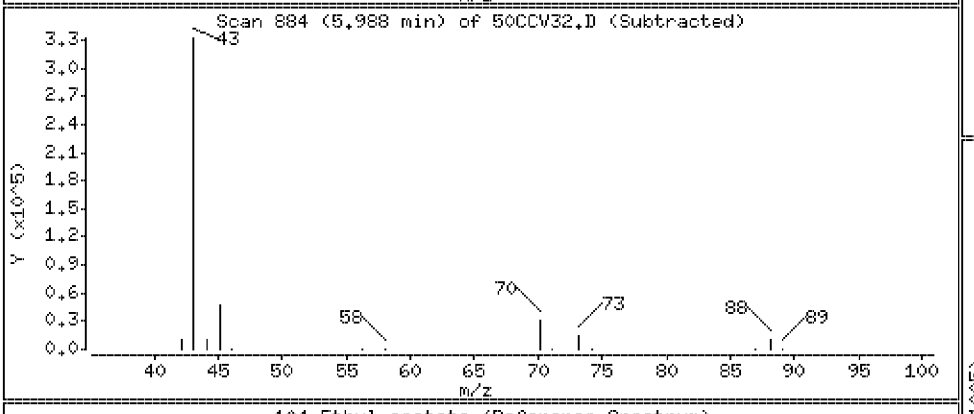
Sample Info: 061807CCVA32

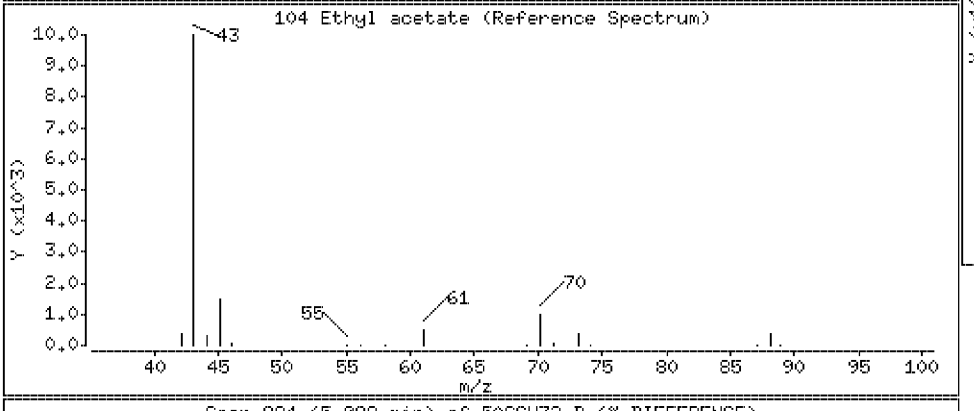
Purge Volume: 5.0 Operator:

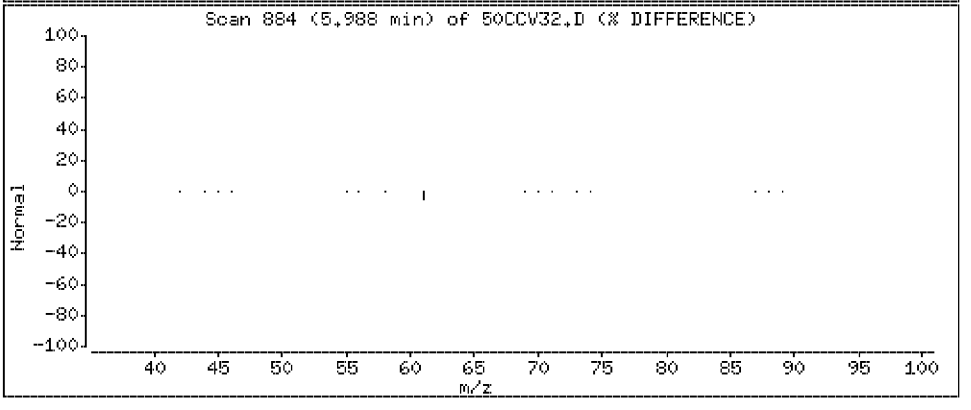
Column phase: DB-624 Column diameter: 0.18

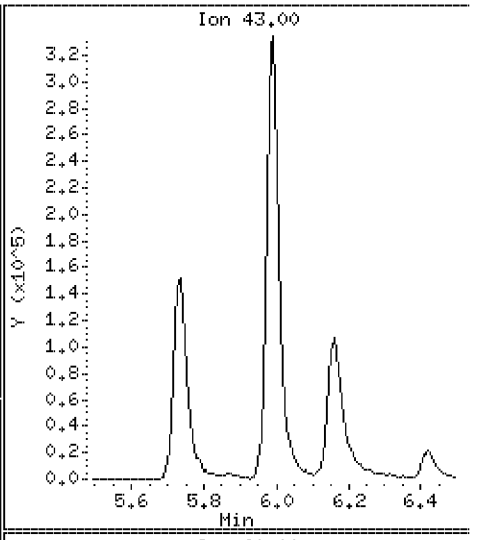
104 Ethyl acetate Concentration: 101 ug/l

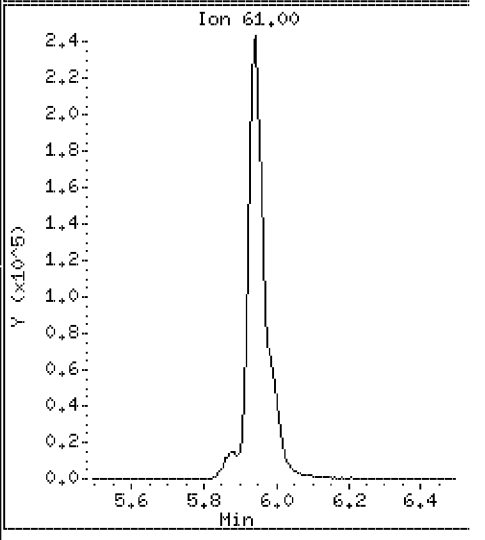












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

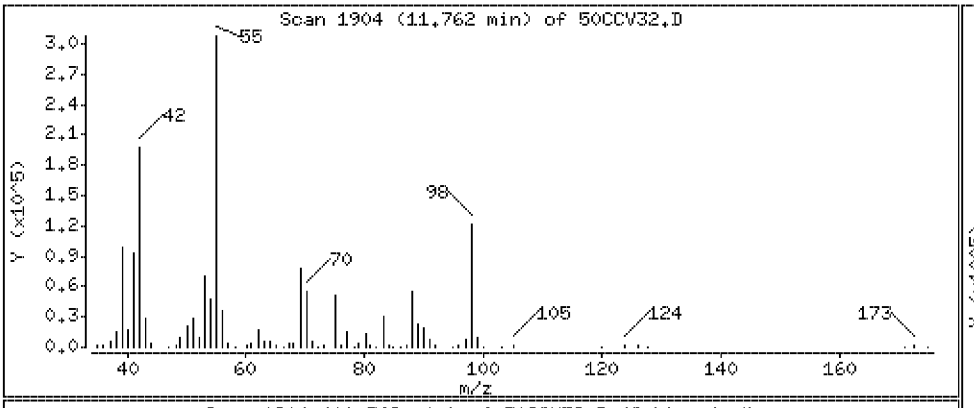
Client ID: 061807CCVA32 Instrument: vms03.i

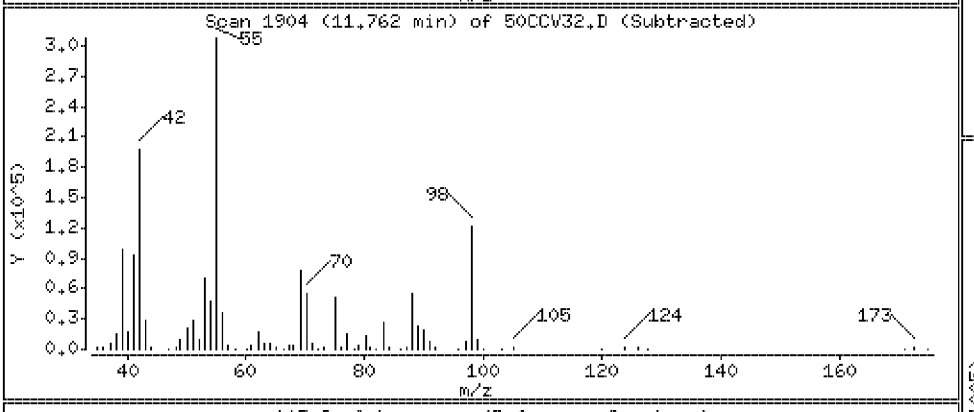
Sample Info: 061807CCVA32

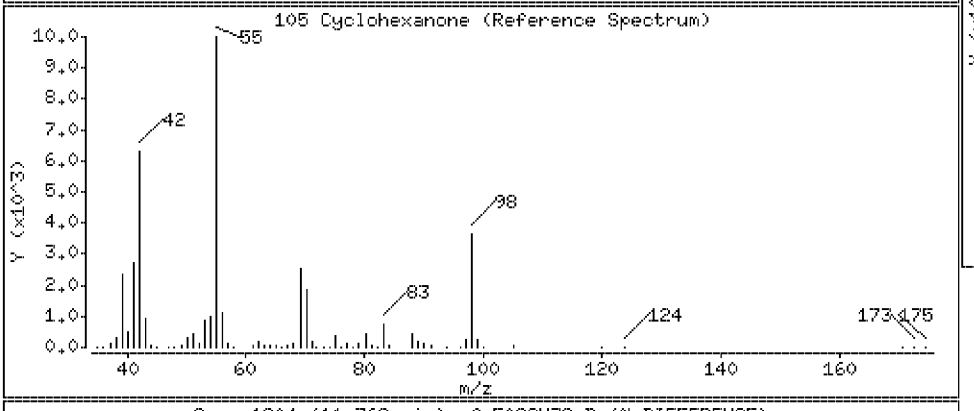
Purge Volume: 5.0 Operator:

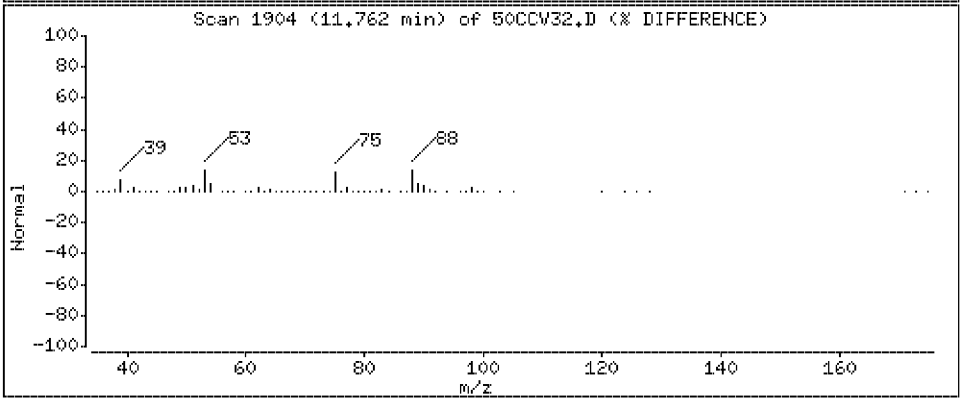
Column phase: DB-624 Column diameter: 0.18

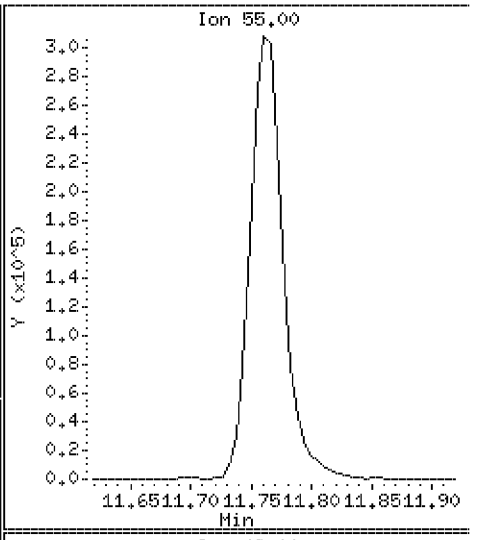
105 Cyclohexanone Concentration: 536 ug/l

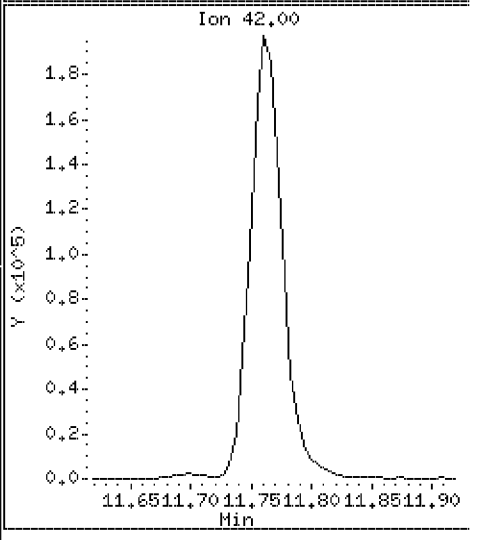












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

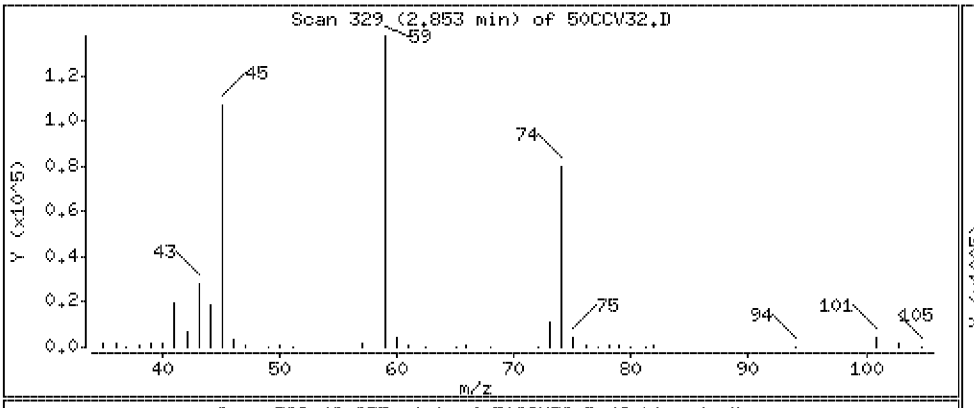
Client ID: 061807CCVA32 Instrument: vms03.i

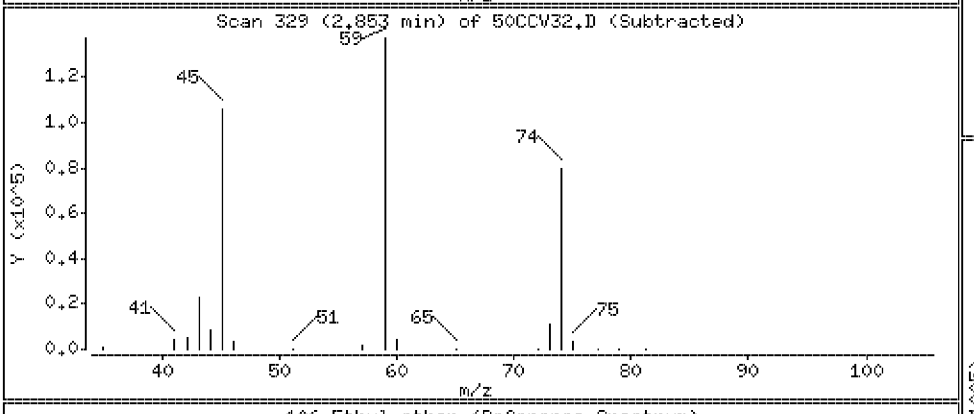
Sample Info: 061807CCVA32

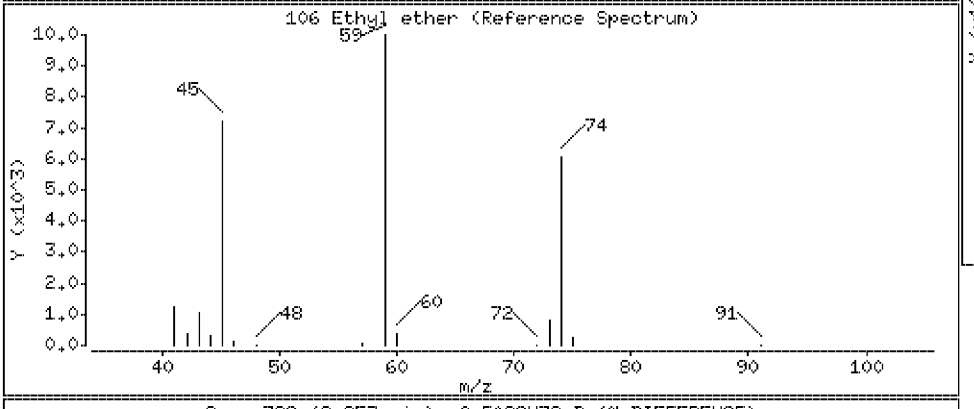
Purge Volume: 5.0 Operator:

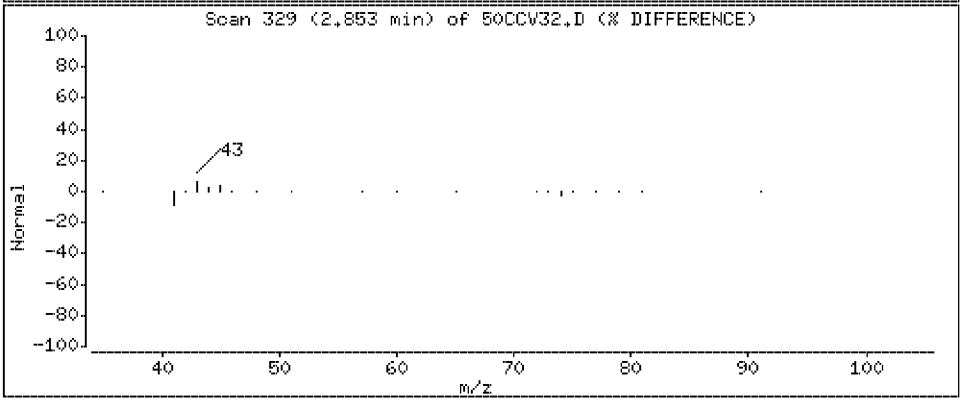
Column phase: DB-624 Column diameter: 0.18

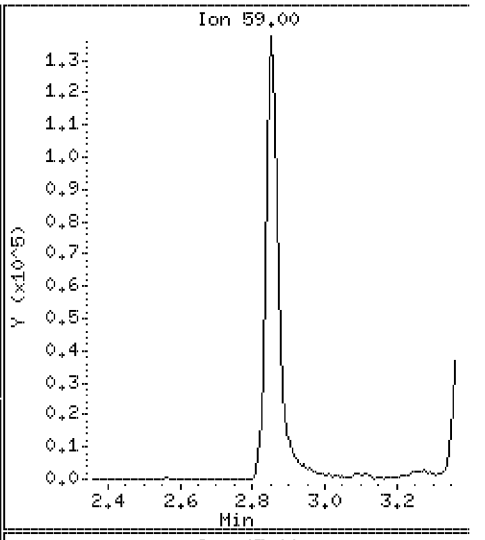
106 Ethyl ether Concentration: 49.0 ug/l

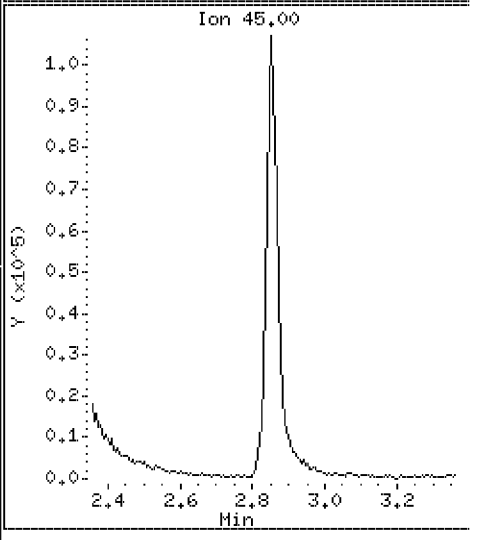












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\50CCV32.D

Date : 18-JUN-2007 16:59

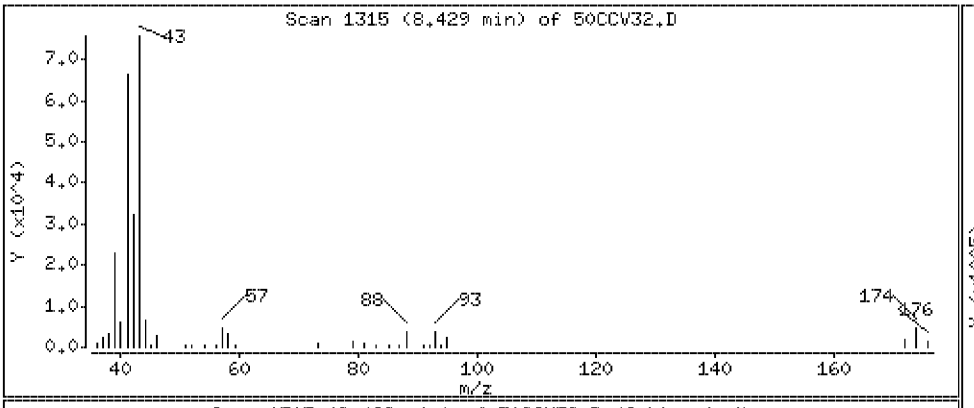
Client ID: 061807CCVA32 Instrument: vms03.i

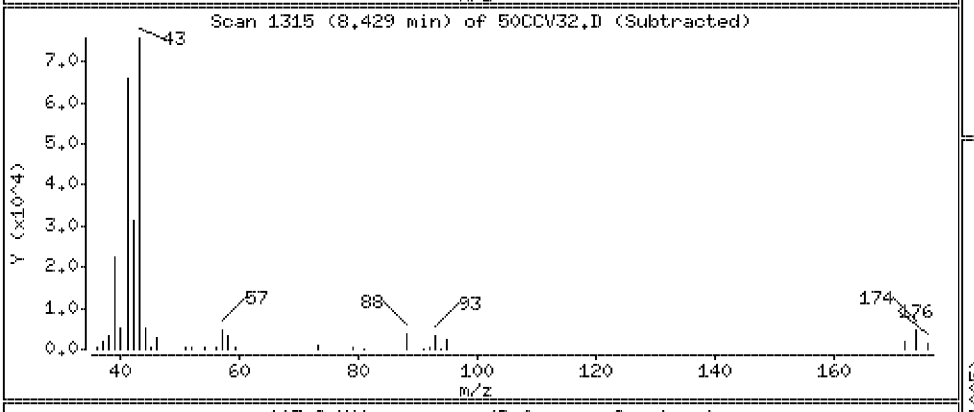
Sample Info: 061807CCVA32

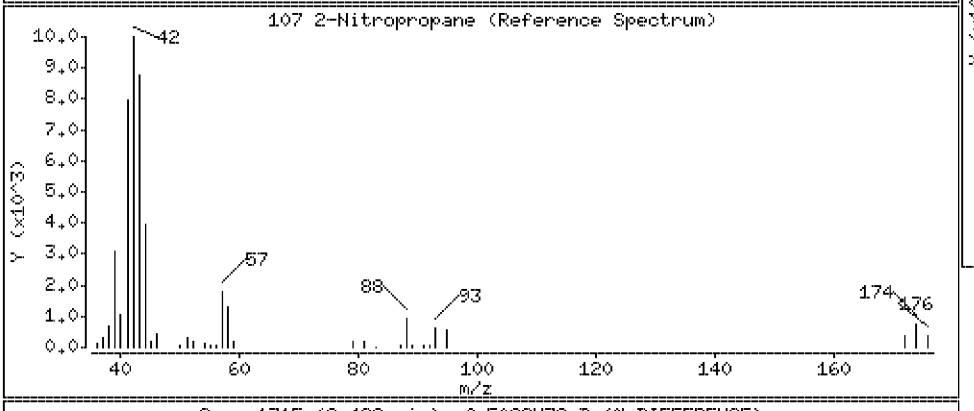
Purge Volume: 5.0 Operator:

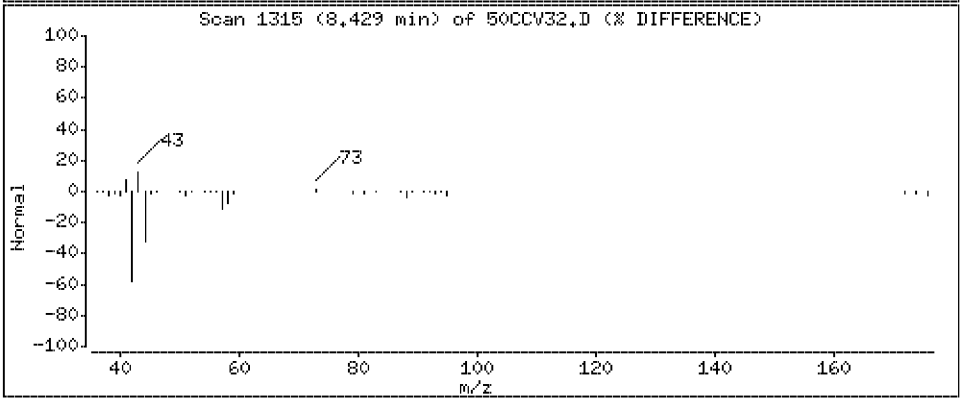
Column phase: DB-624 Column diameter: 0.18

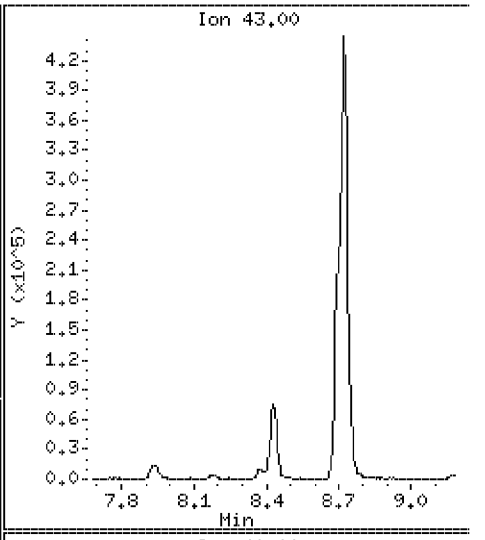
107 2-Nitropropane Concentration: 97.8 ug/l

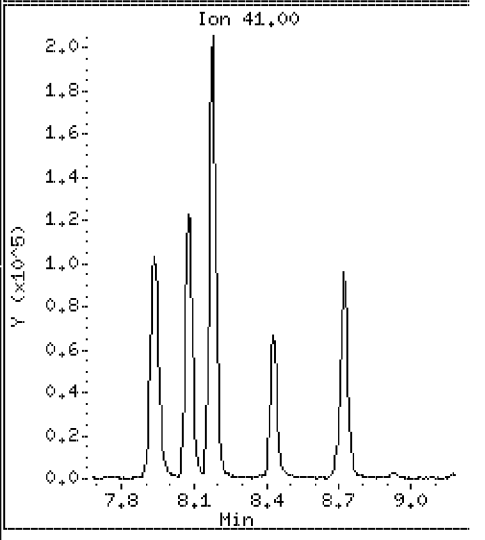












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Date : 18-JUN-2007 16:59

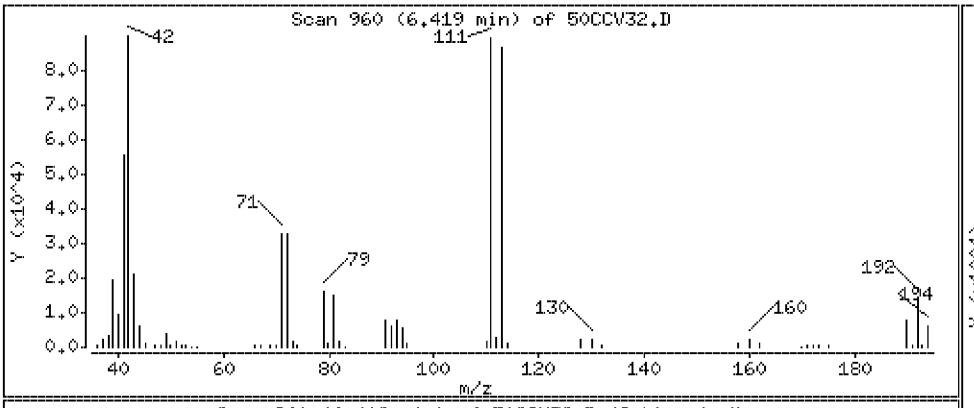
Client ID: 061807CCVA32 Instrument: vms03.i

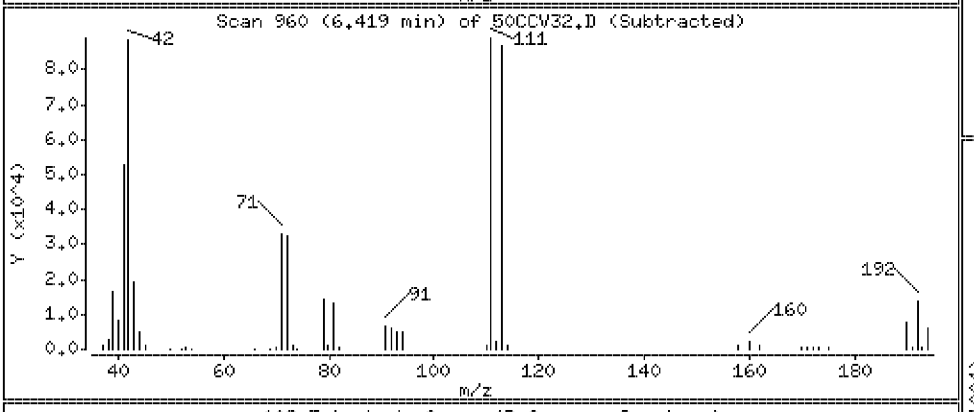
Sample Info: 061807CCVA32

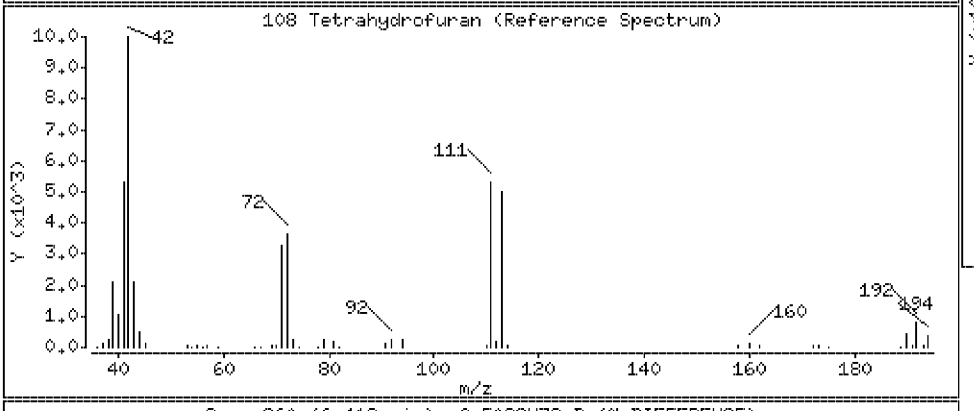
Purge Volume: 5.0 Operator:

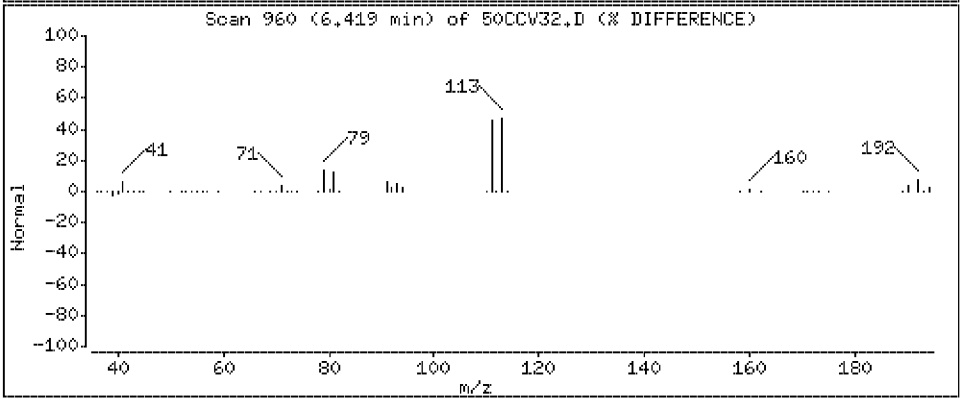
Column phase: DB-624 Column diameter: 0.18

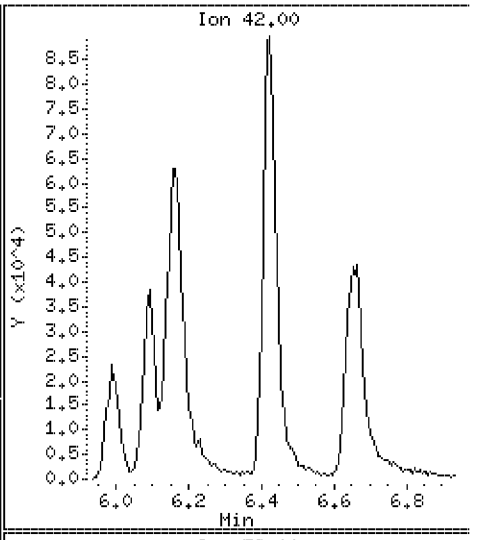
108 Tetrahydrofuran Concentration: 103 ug/l

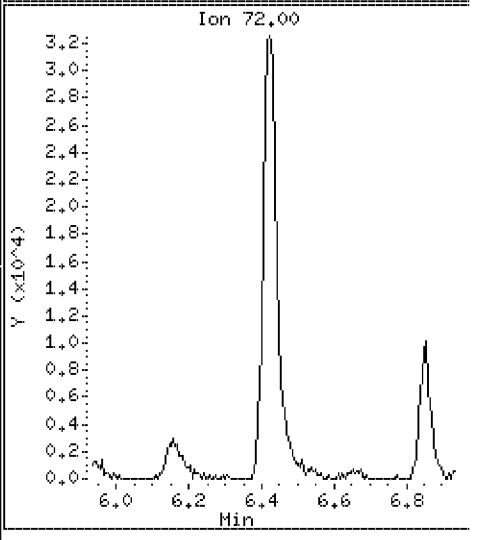












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Date : 18-JUN-2007 16:59

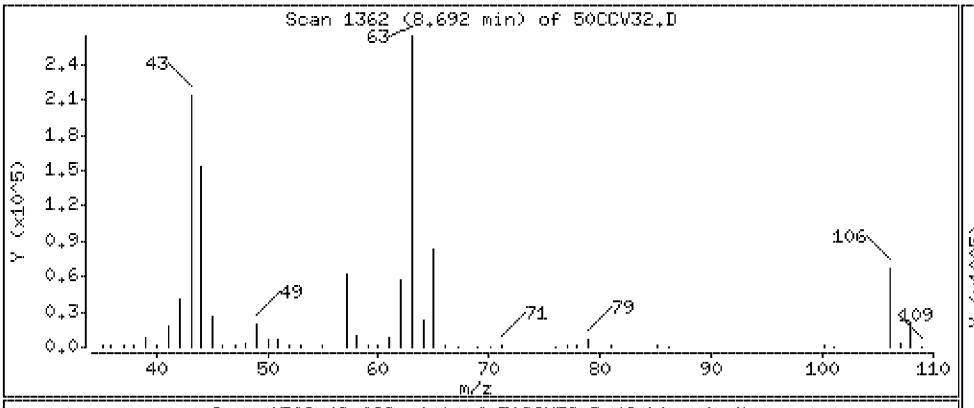
Client ID: 061807CCVA32 Instrument: vms03.i

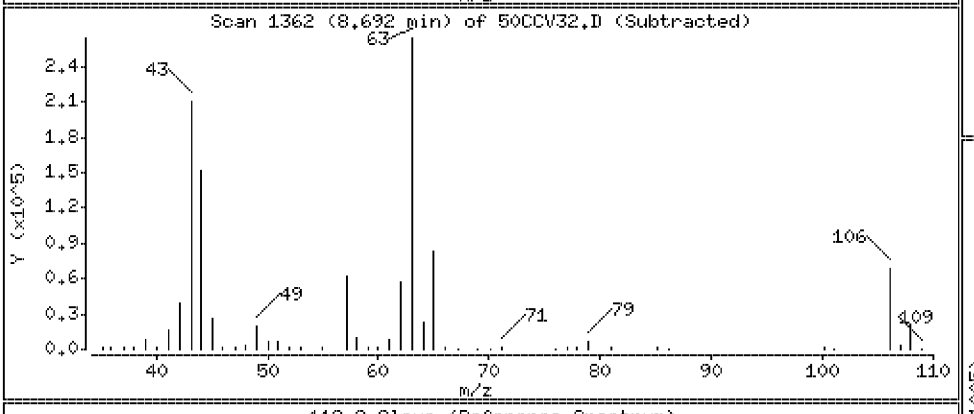
Sample Info: 061807CCVA32

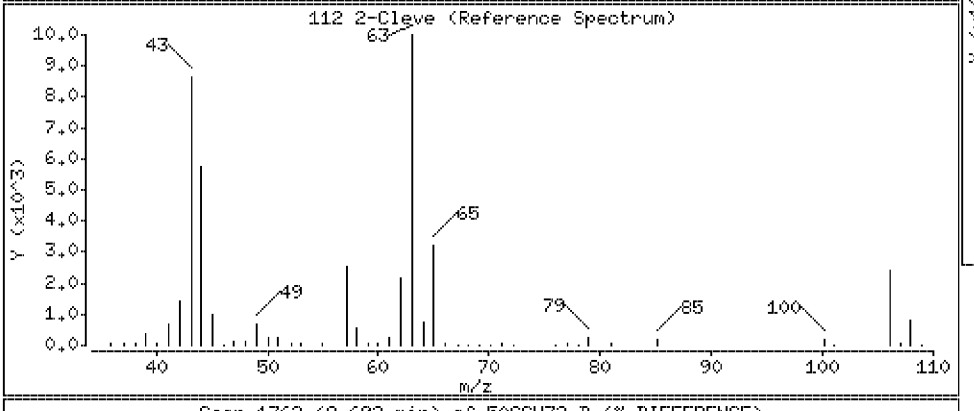
Purge Volume: 5.0 Operator:

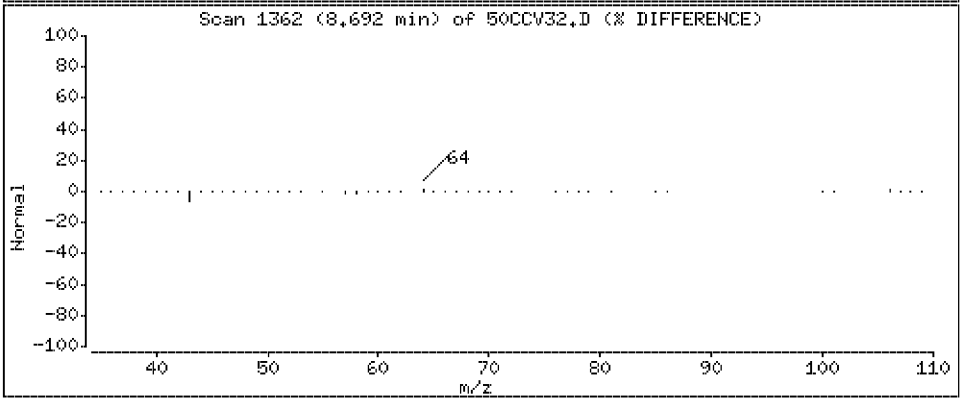
Column phase: DB-624 Column diameter: 0.18

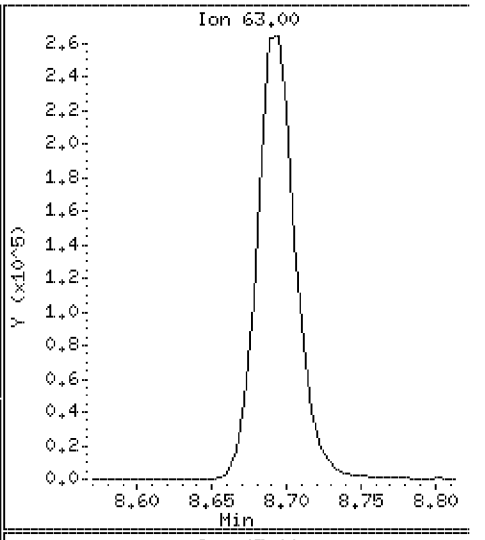
112 2-Cleve Concentration: 114 ug/l

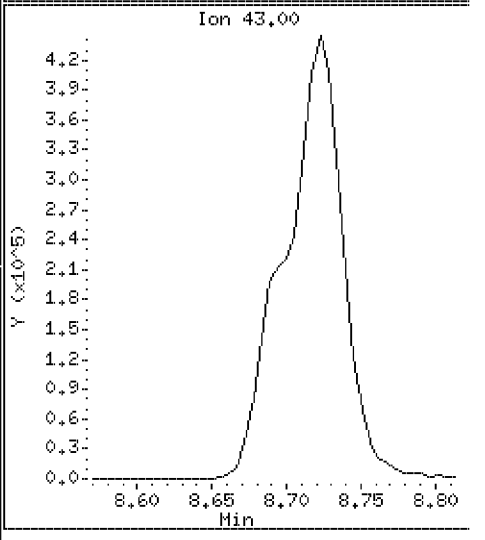












PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M306180P.b\LCS32.D
Lab Smp Id: 061807LCSA32 Client Smp ID: 061807LCSA32
Inj Date : 18-JUN-2007 17:22
Operator : Inst ID: vms03.i
Smp Info : 061807LCSA32
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M306180P.b\8260A.m
Meth Date : 20-Jun-2007 10:51 lpelo Quant Type: ISTD
Cal Date : 18-JUN-2007 12:20 Cal File: 1PPB.D
Als bottle: 17 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				431031	41.0842	41.1
M 2 Xylenes (Total)	100				1331917	60.7469	60.7
M 3 Trihalomethanes (Total)	100				775450	79.3542	79.4
4 Dichlorodifluoromethane	85	1.454	1.454	(0.196)	161497	18.0300	18.0
5 Chloromethane	50	1.662	1.669	(0.224)	241699	19.8134	19.8
6 Vinyl Chloride	62	1.761	1.774	(0.237)	152988	19.4274	19.4
7 Bromomethane	96	2.185	2.217	(0.294)	103297	19.6591	19.6(Q)
8 Chloroethane	64	2.276	2.286	(0.306)	122517	20.7659	20.8(q)
9 Trichlorofluoromethane	101	2.526	2.531	(0.340)	252554	20.9393	20.9
10 Acrolein	56	3.013	3.022	(0.405)	81865	58.6677	58.7(q)
11 1,1,2 Trichlorotrifluoromethan	101	3.045	3.048	(0.410)	165491	21.7744	21.8(q)
12 Acetone	43	3.100	3.112	(0.417)	190048	56.8319	56.8
13 1,1-Dichloroethene	61	3.255	3.262	(0.438)	263344	19.2065	19.2
109 t-Butyl-Alcohol	59	3.394	3.420	(0.457)	194705	214.890	215(Q)
14 Acetonitrile	41	3.457	3.467	(0.465)	319653	200.572	200
15 Iodomethane	142	3.681	3.681	(0.495)	243798	24.5453	24.5
16 Methyl Acetate	43	3.746	3.757	(0.504)	164420	19.8432	19.8
17 Allyl Chloride	41	3.766	3.771	(0.507)	256541	19.6899	19.7(Q)
18 Carbon Disulfide	76	3.923	3.928	(0.528)	491110	19.3486	19.3
19 Methylene Chloride	49	3.944	3.963	(0.531)	274056	19.0241	19.0
20 Acrylonitrile	53	4.174	4.187	(0.562)	244013	62.9976	63.0
21 Methyl-tert-butyl ether	73	4.218	4.232	(0.568)	504837	21.5272	21.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	22 trans 1,2-Dichloroethene	61	4.405	4.410	(0.593)	254507	20.3866	20.4
	23 1,1-Dichloroethane	63	5.071	5.072	(0.682)	324093	20.3956	20.4
	24 Vinyl Acetate	43	5.129	5.133	(0.690)	286146	17.7009	17.7(R)
	25 Chloroprene	53	5.203	5.205	(0.700)	297334	20.3379	20.3
	26 2-Butanone	43	5.732	5.744	(0.771)	270709	59.5130	59.5
	27 Propionitrile	54	5.832	5.841	(0.785)	305413	204.724	205
	28 2,2-Dichloropropane	77	5.880	5.882	(0.791)	129843	18.7955	18.8
	29 cis-1,2-Dichloroethene	96	5.942	5.947	(0.800)	176524	20.6977	20.7
	30 Methyacrylonitrile	67	6.089	6.098	(0.820)	740442	201.554	202
	31 Isobutyl Alcohol	43	6.161	6.177	(0.829)	135208	433.482	433(Q)
	32 Chloroform	83	6.152	6.156	(0.828)	297722	19.7105	19.7
	33 Bromochloromethane	49	6.357	6.353	(0.856)	171716	20.0833	20.1
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.435	6.435	(0.866)	366569	51.3355	51.3
	35 1,1,1-Trichloroethane	97	6.658	6.658	(0.896)	237826	20.3374	20.3
	36 Cyclohexane	56	6.658	6.654	(0.896)	320986	20.6804	20.7
	37 1,1-Dichloropropene	75	6.853	6.850	(0.922)	217730	19.8083	19.8
	38 Carbon tetrachloride	117	6.959	6.960	(0.937)	172780	20.6119	20.6
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.055	7.058	(0.949)	85037	52.4413	52.4(Q)
	40 1,2-Dichloroethane	62	7.166	7.166	(0.964)	263781	19.9659	20.0
	41 Benzene	78	7.167	7.172	(0.965)	652197	20.1295	20.1
*	42 FLUOROBENZENE (IS)	96	7.431	7.431	(1.000)	1374169	50.0000	
	43 Trichloroethylene	130	7.879	7.879	(1.060)	163964	20.2764	20.3
	44 Methyl Cyclohexane	55	7.938	7.940	(1.068)	237415	20.7454	20.7
	45 1,2-Dichloropropane	63	8.081	8.082	(1.087)	184480	19.7614	19.8
	46 Methyl Methacrylate	69	8.178	8.175	(1.101)	117528	21.2647	21.3(QR)
	47 Bromodichloromethane	83	8.334	8.333	(1.121)	225763	19.9524	20.0
	48 1,4 Dioxane	88	8.378	8.388	(1.128)	40825	524.631	525(Q)
	49 Dibromomethane	93	8.384	8.386	(1.128)	110136	19.9813	20.0
	50 4-Methyl-2-Pentanone	43	8.726	8.733	(0.664)	560443	57.8715	57.9
	51 2-Hexanone	43	9.633	9.641	(0.898)	405952	60.7260	60.7
	52 cis 1,3-Dichloropropene	75	8.927	8.926	(1.201)	280517	20.2318	20.2
$	53 TOLUENE d8 (surr)	98	9.174	9.174	(1.235)	1452728	51.0628	51.1
	54 Toluene	92	9.256	9.255	(1.246)	419665	20.2929	20.3
	55 trans 1,3-Dichloropropene	75	9.457	9.456	(1.273)	245207	20.3900	20.4
	56 Ethyl Methacrylate	69	9.459	9.461	(1.273)	198060	20.1844	20.2
	57 1,1,2-Trichloroethane	97	9.615	9.613	(1.294)	156072	19.5770	19.6
	58 1,3-Dichloropropane	76	9.874	9.873	(0.921)	272082	20.3134	20.3
	59 Tetrachloroethylene	164	9.928	9.925	(0.925)	126595	20.0591	20.0
	60 Dibromochloromethane	129	10.135	10.135	(0.945)	150963	19.7854	19.8
	61 1,2-Dibromoethane	107	10.340	10.338	(0.964)	157787	20.2050	20.2
	62 1-Chlorohexane	91	10.512	10.512	(0.980)	212623	20.9204	20.9
*	63 CHLOROBENZENE d5 (IS)	117	10.727	10.726	(1.000)	993266	50.0000	
	64 Chlorobenzene	112	10.766	10.765	(1.004)	459661	19.8918	19.9
	65 1,1,1,2-Tetrachloroethane	131	10.812	10.811	(1.008)	133616	19.1995	19.2(Q)
	66 Ethylbenzene	106	10.822	10.819	(1.009)	242348	20.3867	20.4
	67 p,m-Xylene	106	10.898	10.896	(1.016)	616695	40.3512	40.4
	68 o-Xylene	91	11.339	11.336	(1.057)	715222	20.3958	20.4
	69 Styrene	104	11.375	11.374	(1.060)	491332	20.7549	20.8
	70 Bromoform	173	11.716	11.718	(1.092)	101002	19.9059	19.9
	71 1-Methylethylbenzene	105	11.701	11.699	(0.890)	783851	20.3913	20.4
	72 1,4-Dichloro-2-Butene	53	11.340	11.342	(0.863)	18497	109.747	110(QR)
	73 1,1,2,2-Tetrachloroethane	83	11.877	11.878	(0.903)	211799	20.3600	20.4
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.954	11.954	(0.909)	590428	50.8252	50.8
	75 1,2,3- trichloropropane	110	12.024	12.021	(0.915)	64076	19.6097	19.6

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
76 n-Propylbenzene	91	12.105	12.105	(0.921)	995644	20.3515	20.4
77 Bromobenzene	77	12.148	12.145	(0.924)	339070	19.0363	19.0
78 1,3,5-Trimethylbenzene	105	12.264	12.262	(0.933)	705949	20.5430	20.5
79 2-Chlorotoluene	91	12.284	12.283	(0.934)	690016	19.7475	19.7
80 4-Chlorotoluene	91	12.331	12.331	(0.938)	640049	19.5938	19.6
81 tert-Butylbenzene	119	12.623	12.622	(0.960)	653853	20.6292	20.6
82 1,2,4-trimethylbenzene	105	12.659	12.658	(0.963)	717111	20.4865	20.5
83 sec-Butylbenzene	105	12.835	12.835	(0.976)	840773	20.8749	20.9
84 p-Isopropyltoluene	119	12.973	12.971	(0.987)	712580	21.0659	21.1
85 1,3-Dichlorobenzene	146	13.071	13.070	(0.994)	379903	20.5850	20.6
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.145	13.146	(1.000)	547184	50.0000	
87 1,4-Dichlorobenzene	146	13.178	13.177	(1.002)	367798	19.8383	19.8
88 Benzyl Chloride	91	13.296	13.295	(1.011)	168618	16.2253	16.2
89 n-Butylbenzene	91	13.385	13.384	(1.018)	624717	21.0297	21.0
90 1,2-Dichlorobenzene	146	13.551	13.552	(1.031)	356438	20.0890	20.1
91 1,2-dibromo-3-chloropropane	75	14.303	14.308	(1.088)	33265	19.4222	19.4(q)
92 1,2,4-Trichlorobenzene	180	14.987	15.003	(1.140)	194510	21.0814	21.1
93 Hexachlorobutadiene	223	15.086	15.104	(1.148)	52959	21.1968	21.2
94 Naphthalene	128	15.173	15.194	(1.154)	487444	21.9546	22.0
95 1,2,3-trichlorobenzene	180	15.342	15.367	(1.167)	173764	21.4141	21.4
103 Isopropyl Ether	45	4.962	4.967	(0.668)	628389	20.4218	20.4
104 Ethyl acetate	43	5.989	5.995	(0.806)	350399	40.6530	40.6
105 Cyclohexanone	55	11.762	11.767	(1.096)	237305	214.249	214
106 Ethyl ether	59	2.852	2.858	(0.384)	154682	20.5043	20.5(Q)
107 2-Nitropropane	43	8.428	8.429	(1.134)	66295	36.0266	36.0
108 Tetrahydrofuran	42	6.423	6.436	(0.864)	105605	39.8052	39.8
112 2-Cleve	63	8.722	8.692	(1.174)	1456	0.33850	0.34(aQR)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: LCS32.D
Lab Smp Id: 061807LCSA32
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M306180P.b\8260A.m
Misc Info:

Calibration Date: 18-JUN-2007
Calibration Time: 14:17
Client Smp ID: 061807LCSA32
Level: LOW
Sample Type: WATER

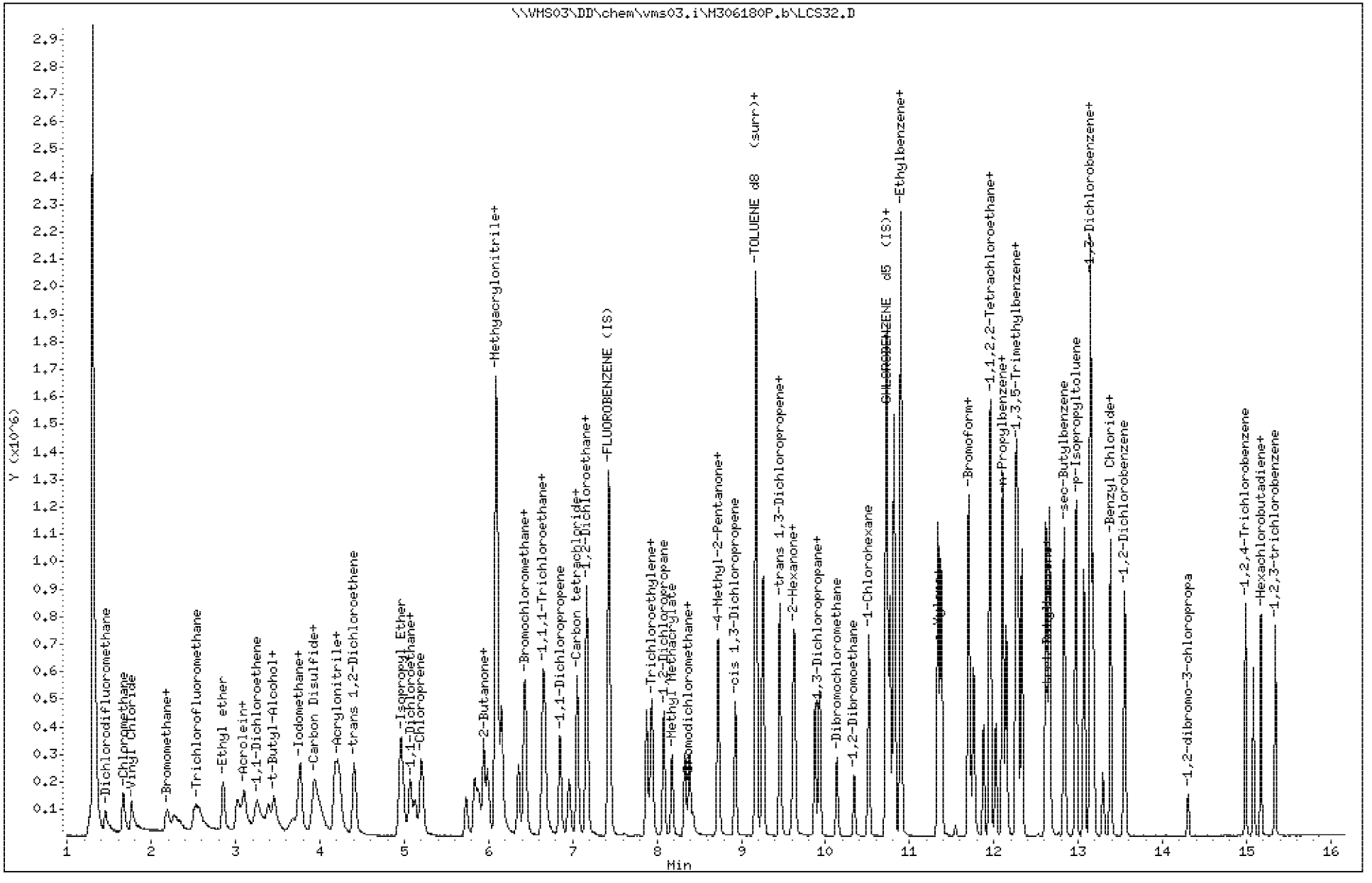
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1365201	682601	2730402	1374169	0.66
63 CHLOROBENZENE d5	981241	490621	1962482	993266	1.23
86 1,4-DICHLOROBENZE	539868	269934	1079736	547184	1.36

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	-0.02
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	-0.01
86 1,4-DICHLOROBENZE	13.15	12.65	13.65	13.15	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\LCS32.D
Date : 18-JUN-2007 17:22
Client ID: 061807LCSA32
Sample Info: 061807LCSA32
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



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PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M306180P.b\LCS32D.D
Lab Smp Id: 061807LCSA32D Client Smp ID: 061807LCSA32D
Inj Date : 18-JUN-2007 17:46
Operator : Inst ID: vms03.i
Smp Info : 061807LCSA32D
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M306180P.b\8260A.m
Meth Date : 20-Jun-2007 10:51 lpelo Quant Type: ISTD
Cal Date : 18-JUN-2007 12:20 Cal File: 1PPB.D
Als bottle: 18 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				396159	38.8579	38.8
M 2 Xylenes (Total)	100				1247734	56.9513	57.0
M 3 Trihalomethanes (Total)	100				727414	75.0222	75.0
4 Dichlorodifluoromethane	85	1.454	1.454	(0.196)	135752	15.5540	15.6(R)
5 Chloromethane	50	1.672	1.669	(0.225)	212443	17.8397	17.8
6 Vinyl Chloride	62	1.766	1.774	(0.238)	142688	18.5076	18.5
7 Bromomethane	96	2.193	2.217	(0.295)	92221	18.0124	18.0(Q)
8 Chloroethane	64	2.283	2.286	(0.307)	108916	18.9305	18.9(q)
9 Trichlorofluoromethane	101	2.528	2.531	(0.340)	213075	18.1303	18.1
10 Acrolein	56	3.018	3.022	(0.406)	80516	59.2172	59.2(q)
11 1,1,2 Trichlorotrifluoromethan	101	3.051	3.048	(0.410)	127984	17.2820	17.3(QR)
12 Acetone	43	3.104	3.112	(0.418)	181828	55.7531	55.8
13 1,1-Dichloroethene	61	3.266	3.262	(0.439)	258743	19.3668	19.4
109 t-Butyl-Alcohol	59	3.396	3.420	(0.457)	183557	207.910	208(Q)
14 Acetonitrile	41	3.463	3.467	(0.466)	295682	190.406	190
15 Iodomethane	142	3.683	3.681	(0.496)	189660	19.5965	19.6
16 Methyl Acetate	43	3.753	3.757	(0.505)	163180	20.2110	20.2
17 Allyl Chloride	41	3.771	3.771	(0.507)	235452	18.5462	18.5
18 Carbon Disulfide	76	3.927	3.928	(0.528)	467417	18.8991	18.9
19 Methylene Chloride	49	3.955	3.963	(0.532)	264098	18.8146	18.8
20 Acrylonitrile	53	4.180	4.187	(0.562)	234283	62.0750	62.1
21 Methyl-tert-butyl ether	73	4.226	4.232	(0.569)	472584	20.6814	20.7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	22 trans 1,2-Dichloroethene	61	4.412	4.410	(0.594)	231156	19.0027	19.0
	23 1,1-Dichloroethane	63	5.075	5.072	(0.683)	289914	18.7241	18.7
	24 Vinyl Acetate	43	5.134	5.133	(0.691)	266172	16.8980	16.9(R)
	25 Chloroprene	53	5.208	5.205	(0.701)	272351	19.1186	19.1
	26 2-Butanone	43	5.734	5.744	(0.771)	252404	56.9469	56.9
	27 Propionitrile	54	5.835	5.841	(0.785)	289396	199.085	199
	28 2,2-Dichloropropane	77	5.881	5.882	(0.791)	111664	16.5888	16.6
	29 cis-1,2-Dichloroethene	96	5.944	5.947	(0.800)	165003	19.8552	19.8
	30 Methyacrylonitrile	67	6.092	6.098	(0.820)	717481	200.436	200
	31 Isobutyl Alcohol	43	6.162	6.177	(0.829)	120968	396.428	396(Q)
	32 Chloroform	83	6.157	6.156	(0.828)	281226	19.1077	19.1
	33 Bromochloromethane	49	6.359	6.353	(0.855)	159488	19.1433	19.1
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.437	6.435	(0.866)	354435	50.9405	50.9
	35 1,1,1-Trichloroethane	97	6.659	6.658	(0.896)	214232	18.8012	18.8
	36 Cyclohexane	56	6.657	6.654	(0.896)	285404	18.8711	18.9
	37 1,1-Dichloropropene	75	6.853	6.850	(0.922)	203369	18.9880	19.0
	38 Carbon tetrachloride	117	6.960	6.960	(0.936)	151726	18.5759	18.6
$	39 1,2-DICHLOROETHANE d4 (surr)	102	7.056	7.058	(0.949)	83557	52.8826	52.9(Q)
	40 1,2-Dichloroethane	62	7.166	7.166	(0.964)	249157	19.3546	19.4
	41 Benzene	78	7.168	7.172	(0.964)	607265	19.2352	19.2
*	42 FLUOROBENZENE (IS)	96	7.433	7.431	(1.000)	1338984	50.0000	
	43 Trichloroethylene	130	7.880	7.879	(1.060)	151894	19.2774	19.3
	44 Methyl Cyclohexane	55	7.939	7.940	(1.068)	214617	19.2461	19.2
	45 1,2-Dichloropropane	63	8.082	8.082	(1.087)	175848	19.3317	19.3
	46 Methyl Methacrylate	69	8.179	8.175	(1.100)	110179	20.4588	20.4(Q)
	47 Bromodichloromethane	83	8.335	8.333	(1.121)	211224	19.1580	19.2
	48 1,4 Dioxane	88	8.379	8.388	(1.127)	36473	481.021	481(Q)
	49 Dibromomethane	93	8.386	8.386	(1.128)	104397	19.4378	19.4
	50 4-Methyl-2-Pentanone	43	8.726	8.733	(0.664)	518335	54.3362	54.3
	51 2-Hexanone	43	9.634	9.641	(0.898)	380047	56.6858	56.7
	52 cis 1,3-Dichloropropene	75	8.928	8.926	(1.201)	256726	19.0025	19.0
$	53 TOLUENE d8 (surr)	98	9.174	9.174	(1.234)	1417700	51.1410	51.1
	54 Toluene	92	9.256	9.255	(1.245)	389729	19.3406	19.3
	55 trans 1,3-Dichloropropene	75	9.457	9.456	(1.272)	227326	19.3998	19.4
	56 Ethyl Methacrylate	69	9.460	9.461	(1.273)	186473	19.5030	19.5
	57 1,1,2-Trichloroethane	97	9.614	9.613	(1.293)	147062	18.9316	18.9
	58 1,3-Dichloropropane	76	9.874	9.873	(0.920)	253487	18.8701	18.9
	59 Tetrachloroethylene	164	9.929	9.925	(0.926)	115651	18.2718	18.3
	60 Dibromochloromethane	129	10.136	10.135	(0.945)	143041	18.6927	18.7
	61 1,2-Dibromoethane	107	10.340	10.338	(0.964)	148595	18.9727	19.0
	62 1-Chlorohexane	91	10.512	10.512	(0.980)	199736	19.5953	19.6
*	63 CHLOROBENZENE d5 (IS)	117	10.728	10.726	(1.000)	996160	50.0000	
	64 Chlorobenzene	112	10.766	10.765	(1.004)	446530	19.2674	19.3
	65 1,1,1,2-Tetrachloroethane	131	10.812	10.811	(1.008)	126648	18.1454	18.1(Q)
	66 Ethylbenzene	106	10.821	10.819	(1.009)	228542	19.1695	19.2
	67 p,m-Xylene	106	10.898	10.896	(1.016)	583400	38.0617	38.1
	68 o-Xylene	91	11.339	11.336	(1.057)	664334	18.8896	18.9
	69 Styrene	104	11.375	11.374	(1.060)	434829	18.3147	18.3(R)
	70 Bromoform	173	11.716	11.718	(1.092)	91923	18.0639	18.1
	71 1-Methylethylbenzene	105	11.700	11.699	(0.890)	721368	19.0508	19.0
	72 1,4-Dichloro-2-Butene	53	11.339	11.342	(0.863)	16936	102.011	102(QR)
	73 1,1,2,2-Tetrachloroethane	83	11.877	11.878	(0.903)	196848	19.2101	19.2
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.954	11.954	(0.909)	566507	49.5066	49.5
	75 1,2,3- trichloropropane	110	12.024	12.021	(0.915)	61903	19.2323	19.2

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
76 n-Propylbenzene	91	12.105	12.105	(0.921)	919881	19.0884	19.1
77 Bromobenzene	77	12.148	12.145	(0.924)	327832	18.6848	18.7
78 1,3,5-Trimethylbenzene	105	12.264	12.262	(0.933)	662465	19.5704	19.6
79 2-Chlorotoluene	91	12.284	12.283	(0.934)	649764	18.8779	18.9
80 4-Chlorotoluene	91	12.331	12.331	(0.938)	609846	18.9527	19.0
81 tert-Butylbenzene	119	12.623	12.622	(0.960)	602883	19.3099	19.3
82 1,2,4-trimethylbenzene	105	12.659	12.658	(0.963)	663692	19.2483	19.2
83 sec-Butylbenzene	105	12.835	12.835	(0.976)	775369	19.5433	19.5
84 p-Isopropyltoluene	119	12.973	12.971	(0.987)	652894	19.5945	19.6
85 1,3-Dichlorobenzene	146	13.070	13.070	(0.994)	349318	19.2152	19.2
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.146	13.146	(1.000)	538999	50.0000	
87 1,4-Dichlorobenzene	146	13.178	13.177	(1.002)	344550	18.8665	18.9
88 Benzyl Chloride	91	13.295	13.295	(1.011)	154996	15.2435	15.2
89 n-Butylbenzene	91	13.384	13.384	(1.018)	572536	19.5658	19.6
90 1,2-Dichlorobenzene	146	13.551	13.552	(1.031)	334442	19.1355	19.1
91 1,2-dibromo-3-chloropropane	75	14.302	14.308	(1.088)	30964	18.3533	18.4(q)
92 1,2,4-Trichlorobenzene	180	14.987	15.003	(1.140)	176809	19.5222	19.5
93 Hexachlorobutadiene	223	15.086	15.104	(1.148)	49173	19.9804	20.0
94 Naphthalene	128	15.173	15.194	(1.154)	425082	19.5686	19.6
95 1,2,3-trichlorobenzene	180	15.342	15.367	(1.167)	148009	18.6257	18.6
103 Isopropyl Ether	45	4.966	4.967	(0.668)	594975	19.8440	19.8
104 Ethyl acetate	43	5.992	5.995	(0.806)	336995	40.1253	40.1
105 Cyclohexanone	55	11.762	11.767	(1.096)	213688	192.366	192
106 Ethyl ether	59	2.857	2.858	(0.384)	140854	19.1619	19.2(Q)
107 2-Nitropropane	43	8.429	8.429	(1.134)	59179	33.0046	33.0
108 Tetrahydrofuran	42	6.425	6.436	(0.864)	96186	37.0359	37.0
112 2-Cleve	63	8.725	8.692	(1.174)	859	0.20495	0.20(aQR)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: LCS32D.D
Lab Smp Id: 061807LCSA32D
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M306180P.b\8260A.m
Misc Info:

Calibration Date: 18-JUN-2007
Calibration Time: 14:17
Client Smp ID: 061807LCSA32D
Level: LOW
Sample Type: WATER

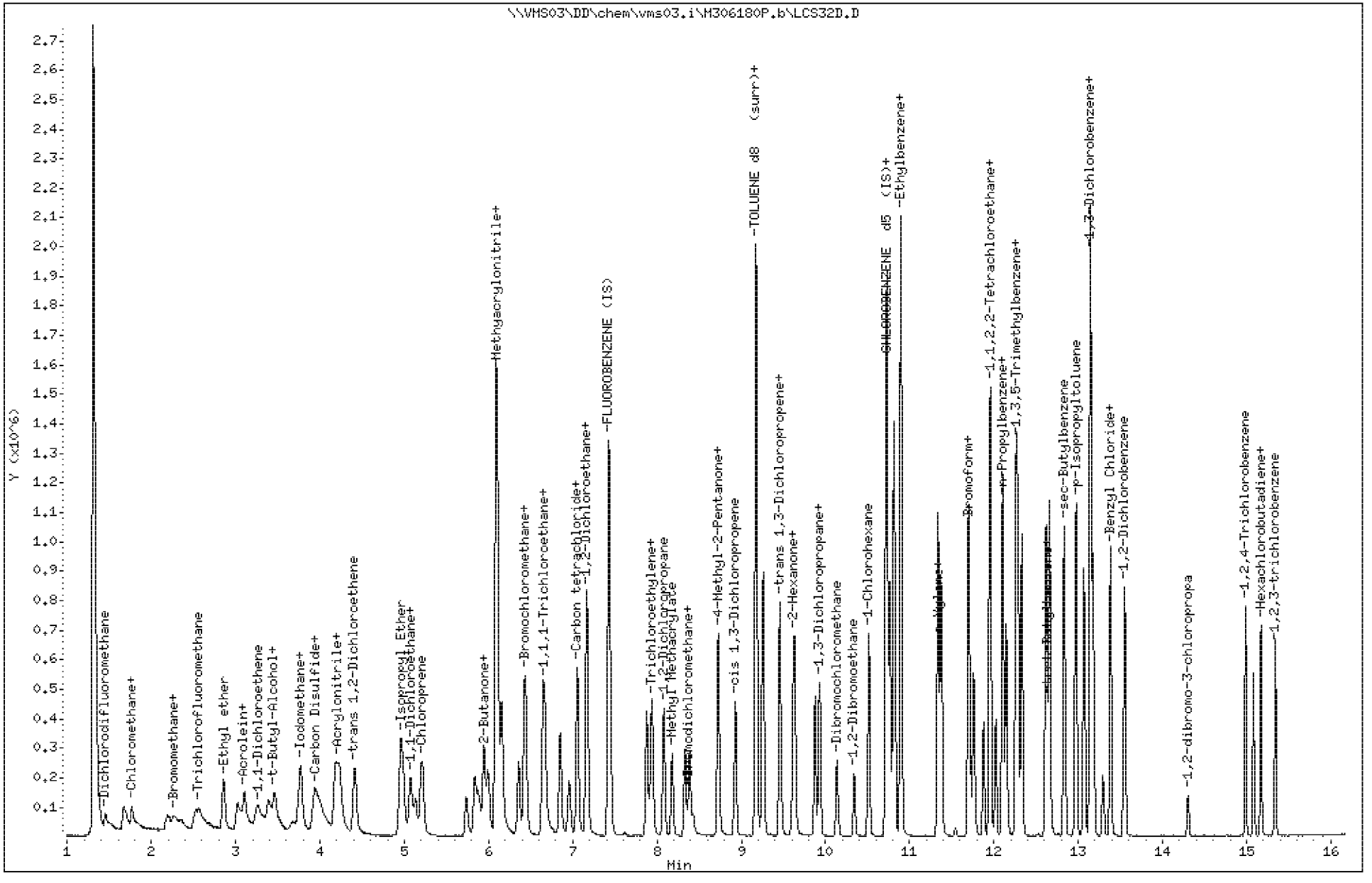
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1365201	682601	2730402	1338984	-1.92
63 CHLOROBENZENE d5	981241	490621	1962482	996160	1.52
86 1,4-DICHLOROBENZE	539868	269934	1079736	538999	-0.16

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.01
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	-0.00
86 1,4-DICHLOROBENZE	13.15	12.65	13.65	13.15	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\LCS32D.D
Date : 18-JUN-2007 17:46
Client ID: 061807LCSA32D
Sample Info: 061807LCSA32D
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M306180P.b\BLK32.D
Lab Smp Id: 061807BLKA32 Client Smp ID: 061807BLKA32
Inj Date : 18-JUN-2007 19:19
Operator : Inst ID: vms03.i
Smp Info : 061807BLKA32
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M306180P.b\8260A.m
Meth Date : 20-Jun-2007 10:52 lpelo Quant Type: ISTD
Cal Date : 18-JUN-2007 12:20 Cal File: 1PPB.D
Als bottle: 22 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.437	6.435	(0.866)	362787	49.7465	49.7
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	7.056	7.058	(0.949)	88588	53.4920	53.5(Q)
* 42 FLUOROBENZENE (IS)	96	7.433	7.431	(1.000)	1403433	50.0000	
$ 53 TOLUENE d8 (surr)	98	9.174	9.174	(1.234)	1466507	50.4723	50.5
* 63 CHLOROBENZENE d5 (IS)	117	10.727	10.726	(1.000)	1010624	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.954	11.954	(0.909)	579075	52.2303	52.2
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.146	13.146	(1.000)	522225	50.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: BLK32.D
Lab Smp Id: 061807BLKA32
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M306180P.b\8260A.m
Misc Info:

Calibration Date: 18-JUN-2007
Calibration Time: 14:17
Client Smp ID: 061807BLKA32
Level: LOW
Sample Type: WATER

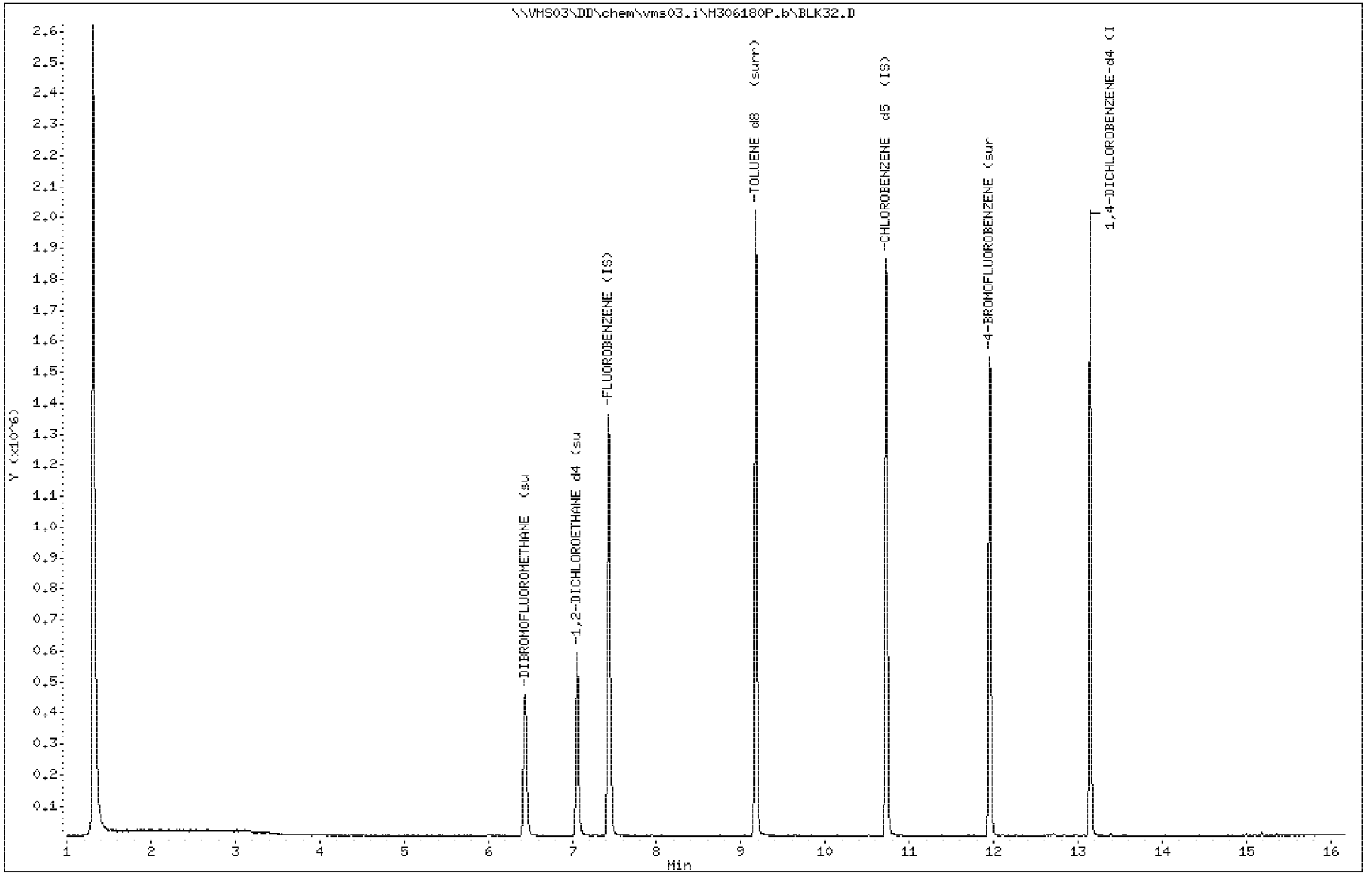
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1365201	682601	2730402	1403433	2.80
63 CHLOROBENZENE d5	981241	490621	1962482	1010624	2.99
86 1,4-DICHLOROBENZE	539868	269934	1079736	522225	-3.27

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	0.00
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	-0.01
86 1,4-DICHLOROBENZE	13.15	12.65	13.65	13.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\BLK32.D
Date : 18-JUN-2007 19:19
Client ID: 061807BLKA32
Sample Info: 061807BLKA32
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



AO-616

2506964

PEL Laboratories, Inc.

Data file : \\VMS03\DD\chem\vms03.i\M306180P.b\96404D1.D
Lab Smp Id: 250696404 Client Smp ID: TO05MW40BBL
Inj Date : 18-JUN-2007 19:42
Operator : Inst ID: vms03.i
Smp Info : 250696404;2506964;50;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M306180P.b\8260A.m
Meth Date : 20-Jun-2007 10:52 lpelo Quant Type: ISTD
Cal Date : 18-JUN-2007 12:20 Cal File: 1PPB.D
Als bottle: 23
Dil Factor: 50.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	50.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				11111	1.33808	66.9
29 cis-1,2-Dichloroethene	96	5.941	5.947	(0.799)	11111	1.33808	66.9(Q)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.436	6.435	(0.866)	356036	51.2116	51.2
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	7.055	7.058	(0.949)	85486	54.1468	54.1(Q)
* 42 FLUOROBENZENE (IS)	96	7.432	7.431	(1.000)	1337913	50.0000	
43 Trichloroethylene	130	7.881	7.879	(1.060)	274520	34.8682	1740
$ 53 TOLUENE d8 (surr)	98	9.174	9.174	(1.234)	1443049	52.0971	52.1
* 63 CHLOROBENZENE d5 (IS)	117	10.728	10.726	(1.000)	1016907	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.954	11.954	(0.909)	579832	51.4795	51.5
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.146	13.146	(1.000)	530534	50.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 96404D1.D
Lab Smp Id: 250696404
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M306180P.b\8260A.m
Misc Info:

Calibration Date: 18-JUN-2007
Calibration Time: 14:17
Client Smp ID: TO05MW40BBL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1365201	682601	2730402	1337913	-2.00
63 CHLOROBENZENE d5	981241	490621	1962482	1016907	3.63
86 1,4-DICHLOROBENZE	539868	269934	1079736	530534	-1.73

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.43	6.93	7.93	7.43	-0.00
63 CHLOROBENZENE d5	10.73	10.23	11.23	10.73	-0.00
86 1,4-DICHLOROBENZE	13.15	12.65	13.65	13.15	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\96404D1.D

Date : 18-JUN-2007 19:42

Client ID: T005MW40BBL

Instrument: vms03.i

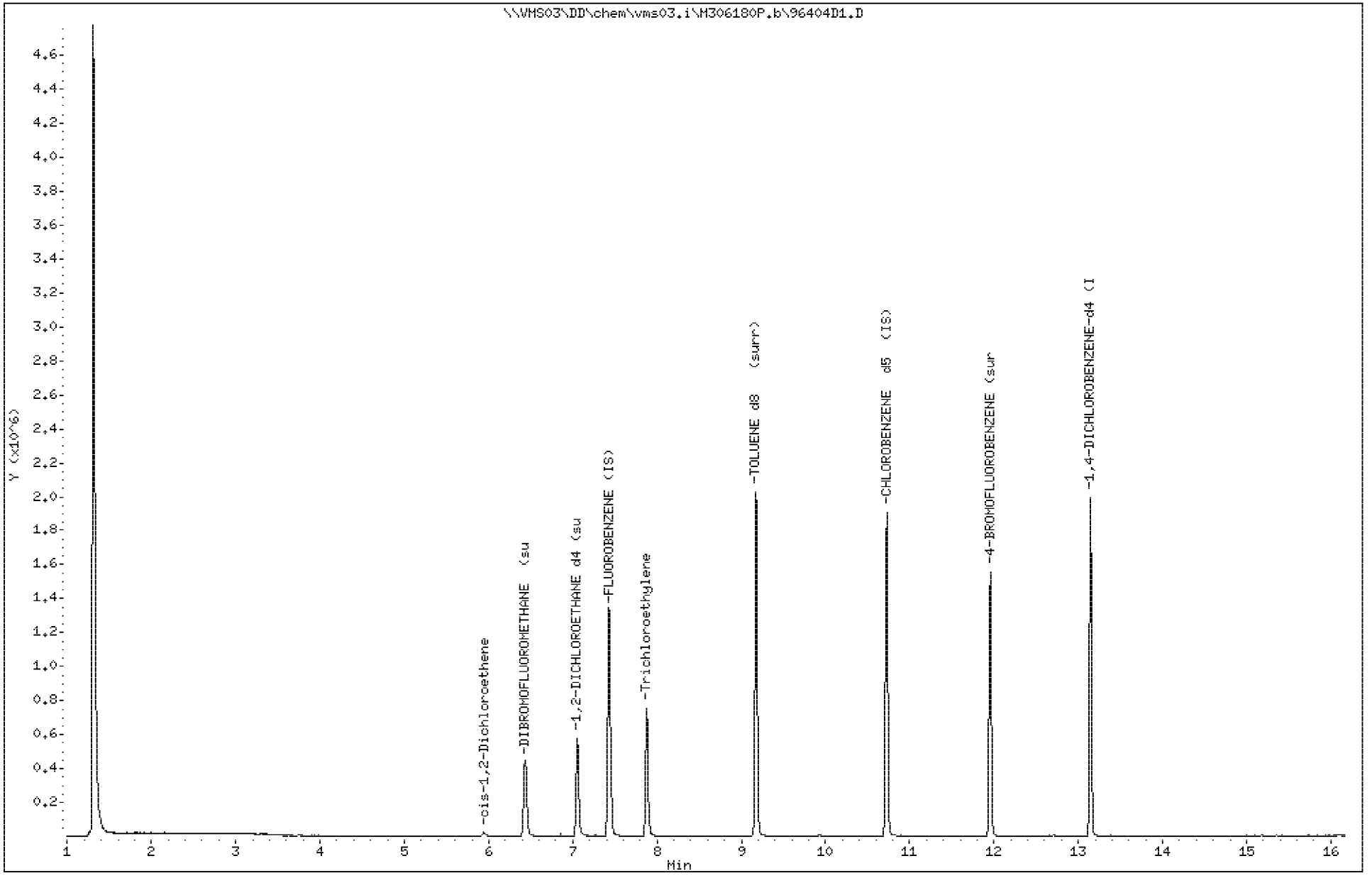
Sample Info: 250696404;2506964;50;

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\96404D1.D

Date : 18-JUN-2007 19:42

Client ID: TO05MW40BBL

Instrument: vms03.i

Sample Info: 250696404;2506964;50;

Purge Volume: 5.0

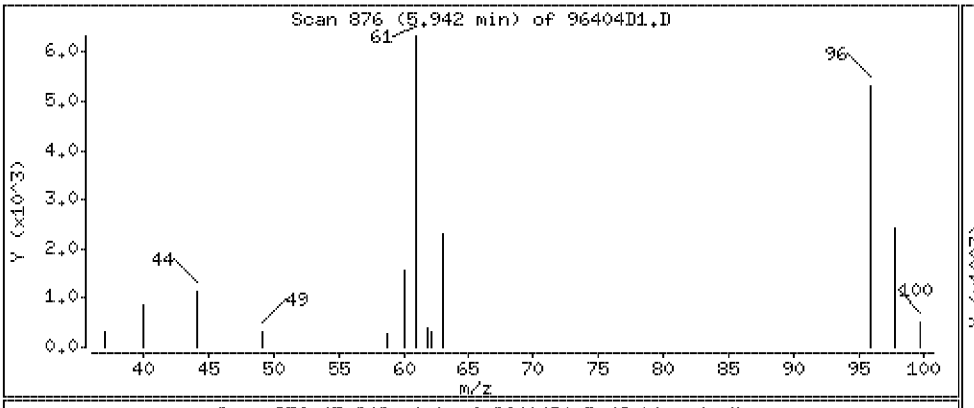
Operator:

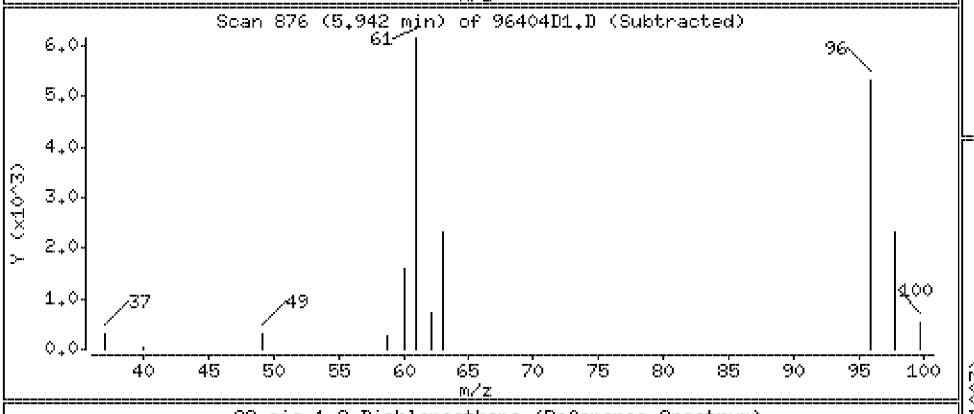
Column phase: DB-624

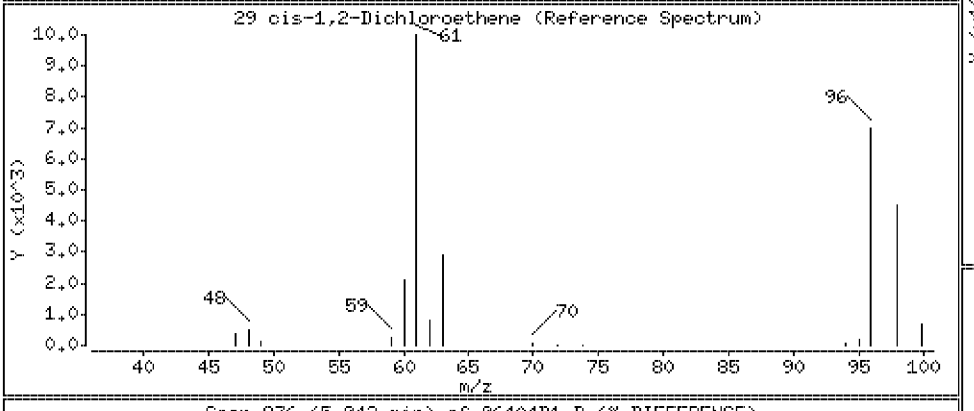
Column diameter: 0.18

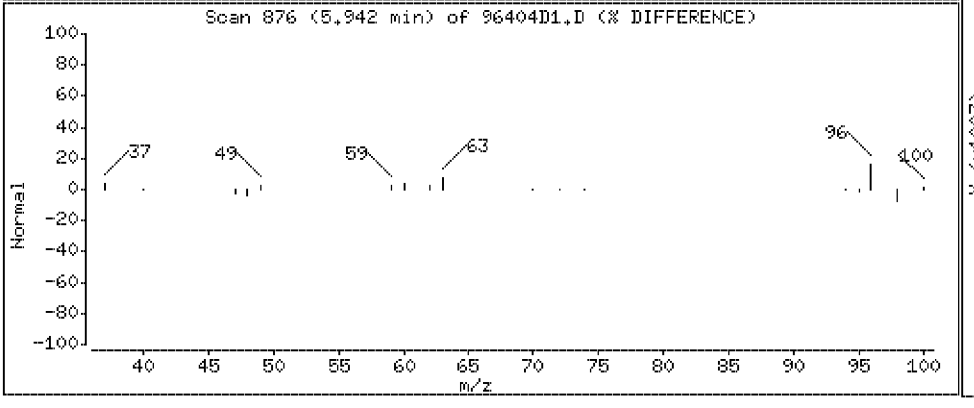
29 cis-1,2-Dichloroethene

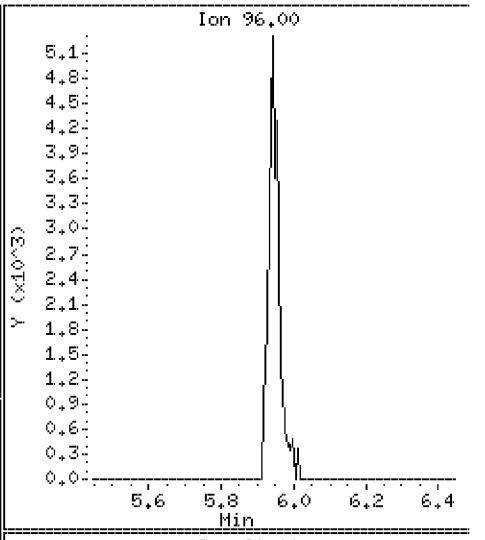
Concentration: 66.9 ug/l

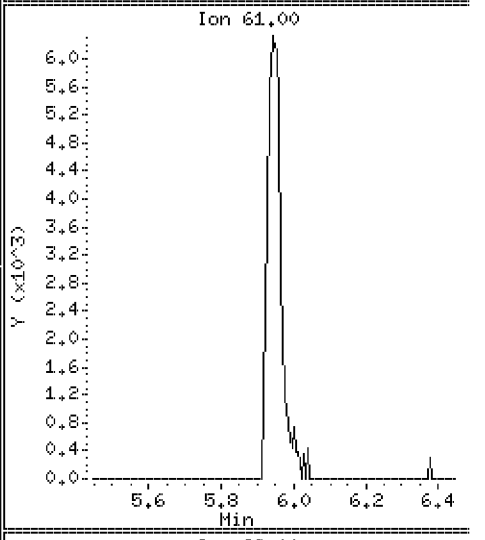


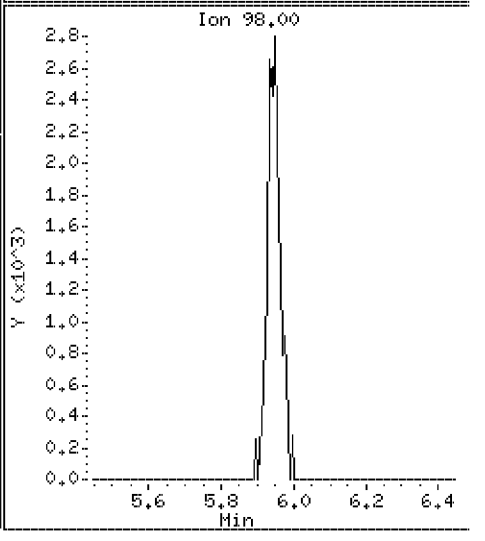












Data File: \\VMS03\DD\chem\vms03.i\M306180P.b\96404D1.D

Date : 18-JUN-2007 19:42

Client ID: TO05MW40BBL

Instrument: vms03.i

Sample Info: 250696404;2506964;50;

Purge Volume: 5.0

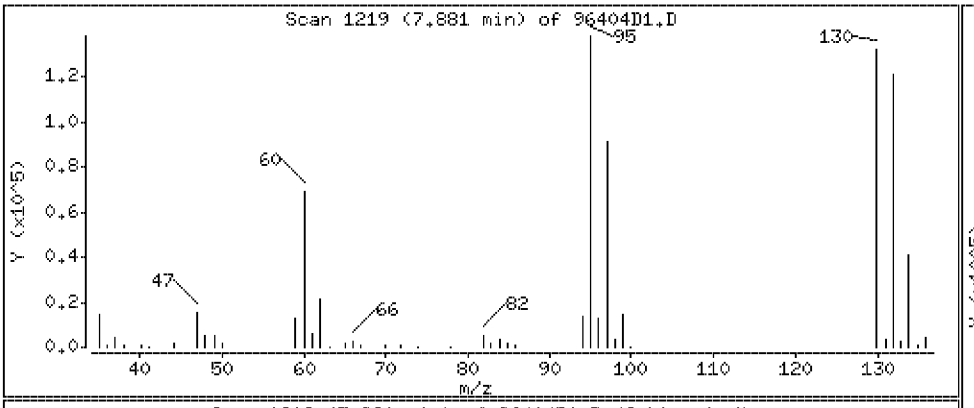
Operator:

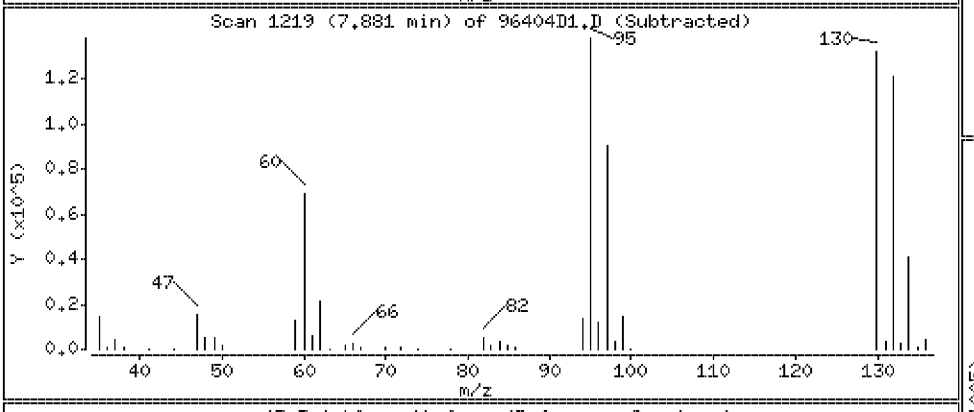
Column phase: DB-624

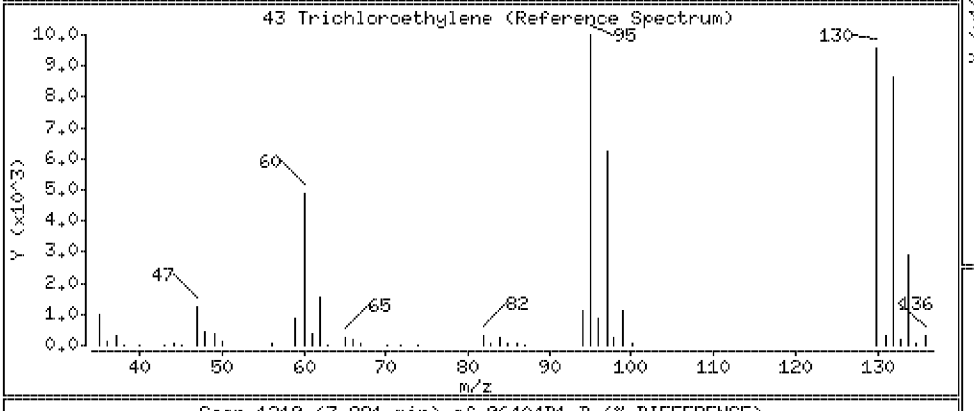
Column diameter: 0.18

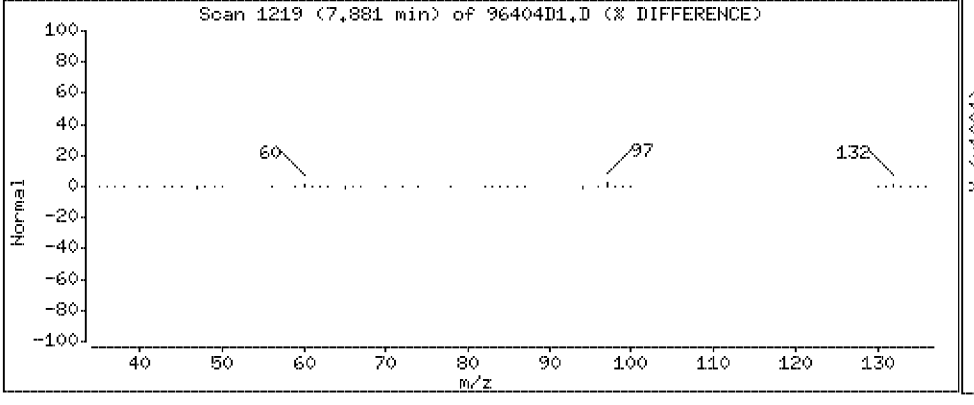
43 Trichloroethylene

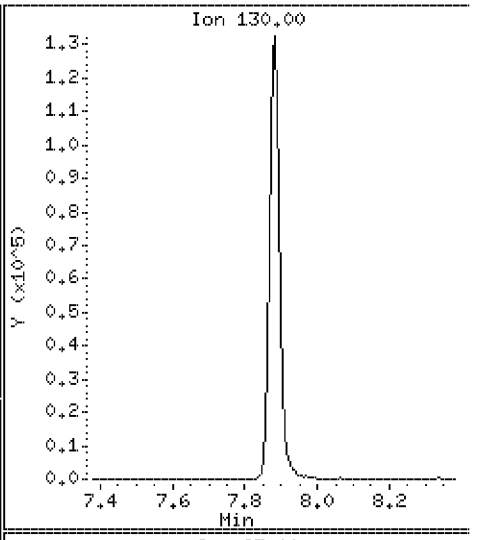
Concentration: 1740 ug/l

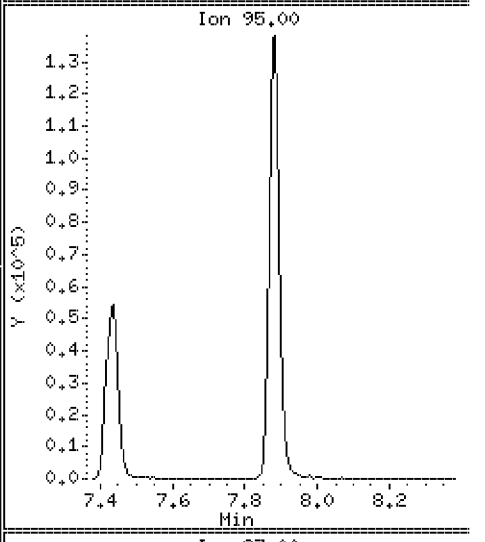


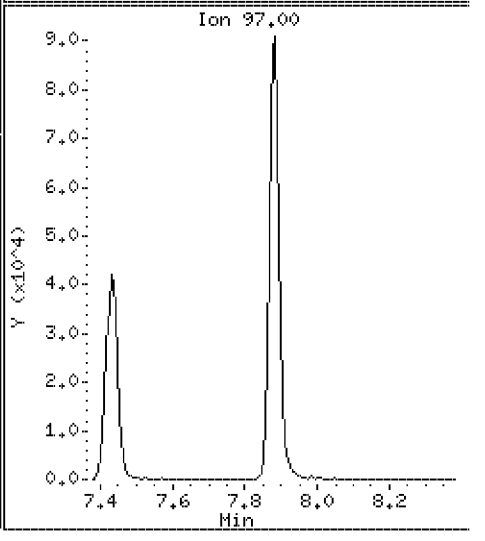












Raw Data Method FL PRO

Extraction Method 3510

Extraction Lot DCM 18707

PEL Laboratory
FL-PRO/~~DRO~~ Water

Batch # 13020

SL

DCN: TD00038
Revision: 1
Date: 6/1/2005

Date 6/11/07 Start Time 9:00 Stop Time 3:14

Sample # (Container #)	BLK	LCS	2506941 (1) 01	(3) 02	2506954 (1) 01	(1) 02	(5) 03	2506955 (1) 01	(4) MS 02	(5) MSD 03
Date			6-6-~~06~~ 07 SL 6-11-07	→	6-06-~~06~~ 07 SL 6-11			6-7-07	→	→
Client ID	DI		T005MW 43ABL	T005MW 43BBL	P-1391/ PRL01-EB05	P-1391/ PRL01-SB127	P-1475/ PRL03-SB133	59mw 1070607	59 MW 1070607 MS	59 MW 1070607 SD
Odor		Water	sulfur	→	none	→		none	→	→
Color			clear	→	→	→		clear	→	→
Sed.			none	→	→	→		none	→	→
Volume (mL)	1000	1000	940	935	995			950	950	945
pH	7/<2	→	<2	→	→			<2	→	→
Surrogate ID	19011 OTP 18906 C-39	1mL @ 100ug/mL 1mL @ 150ug/mL		→	→			19011 OTP 1mL @ 100 ug/mL 18906 C-39 1mL @ 150 ug/mL		
Surr. Witness	PC	→	→	→	→			PC	→	→
Spike ID	Na	18694 FL-PRO spk 1mL@200ug/mL	Na	→	→			Na →	18694 FL-PRO spk 1mL @ 200 ug/mL	
Spike Witness	Na	PC	Na	→	→			Na →	PC	→
Final Vol.	2mL	→	→	→	→			2mL	→	→
Remarks	Na	→	→	→	→			Na	→	→
Archive Box/Row	Na	→	→	→	→			Na	→	→

VOID SL 6/11/07

Bath Temp 70°-80°

Silica Gel Lot 050102

Sodium Sulfate Lot 18902

Acid Lot 17753

Final Solvent Lot DCM 18707

Log Review PC

2506964

AO-623

Extraction Method 3510

Extraction Lot DCM 18707

PEL Laboratory
FL-PRO/~~DRO~~ Water

Batch # 13020

DCN: TD00038
Revision: 1
Date: 6/1/2005

SL

Date 6/11/07 Start Time 9:00 Stop Time 3:14

Sample # (Container #)	2506955 (7) 04	→ (7) 06	2506964 (8) 01	→ (7) MS 02	→ (5) MSD 03	→ (2) 04	→ (7) 05			
Date	6-7-07	→	6-8-07	→	→	→	→			
Client ID	59EB 1070607	59 FD 1070607	T005 MW40 ABL	TO 0540 AMSBL	TO0540 AMSD BL	T005 MW40 BBL	T005 FD02BL			
Odor	none	→	sulfur	→	→	→	→			
Color	clear	→	clear	→	→	→	→			
Sed.	none	→	→	→	→	→	→			
Volume (mL)	960	950	940	935	940	935	905		VOID	
pH	<2	→	<2	→	→	→	→			
Surrogate ID	19011 OTP 18906 C-39	1mL @ 100 ug/mL 1mL @ 150 ug/mL	→	→	→	→	→			
Surr. Witness	PC	→	→	→	→	→	→			
Spike ID	Na	→	→	18694 FL-PRO SPK 1mL @ 200 ug/mL	→	Na	→			
Spike Witness	Na	→	→	PC	→	Na	→			
Final Vol.	2mL	→	→	→	→	→	→			
Remarks	Na	→	slight emulsion	→	→	Na	→			
Archive Box/Row	Na	→	→	→	→	→	→			

6-17-07

Bath Temp 70°-80°

Silica Gel Lot 050102

Sodium Sulfate Lot 18902

Acid Lot 17753

Final Solvent Lot DCM 18707

Log Review PC

2506964

AO-624

2506964_FLPRO.tif

SEQUENCE CHECK

SDG: 2506964 **Method:** FL-PRO

SAMPLE ID	LAB ID	InitialCal Reference	FILE	BATCH	COL	INSTRUMENT	RUN DATE	DILUTION
STD519635	19017	SFID0106/11/07-2214~F106110Pcal	PROCAL61.D	F106110Pcal	1	SFID01	06/11/07 18:40	1
STD519634	19018	SFID0106/11/07-2214~F106110Pcal	PROCAL5.D	F106110Pcal	1	SFID01	06/11/07 19:51	1
STD519633	19021	SFID0106/11/07-2214~F106110Pcal	PROCAL4.D	F106110Pcal	1	SFID01	06/11/07 20:27	1
STD519632	19022	SFID0106/11/07-2214~F106110Pcal	PROCAL3.D	F106110Pcal	1	SFID01	06/11/07 21:03	1
STD519631	19023	SFID0106/11/07-2214~F106110Pcal	PROCAL2.D	F106110Pcal	1	SFID01	06/11/07 21:38	1
STD519630	19024	SFID0106/11/07-2214~F106110Pcal	PROCAL11.D	F106110Pcal	1	SFID01	06/11/07 22:14	1
SSC519640	19025	SFID0106/11/07-2214~F106110Pcal	PROSECC2.D	F106110Pcal	1	SFID01	06/12/07 00:01	1
CCV521078	19025	SFID0106/11/07-2214~F106110Pcal	PROCCV1.D	F1061507	1	SFID01	06/15/07 10:09	1
3020MB	243616	SFID0106/11/07-2214~F106110Pcal	3020MB.D	F1061507	1	SFID01	06/15/07 13:16	1
3020LCS	243617	SFID0106/11/07-2214~F106110Pcal	3020LCS.D	F1061507	1	SFID01	06/15/07 13:52	1
TO0540AMSBL	250696402	SFID0106/11/07-2214~F106110Pcal	964-1MS.D	F1061507	1	SFID01	06/15/07 14:28	1
TO0540AMSDBL	250696403	SFID0106/11/07-2214~F106110Pcal	964-1MSD.D	F1061507	1	SFID01	06/15/07 15:03	1
TO05MW40BBL	250696404	SFID0106/11/07-2214~F106110Pcal	964-4.D	F1061507	1	SFID01	06/15/07 15:39	1
TO05FD02BL	250696405	SFID0106/11/07-2214~F106110Pcal	964-5.D	F1061507	1	SFID01	06/15/07 16:15	1
CCV521429	19331	SFID0106/11/07-2214~F106110Pcal	PROCCV2.D	F1061507	1	SFID01	06/15/07 16:51	1
CCV521432	19331	SFID0106/11/07-2214~F106110Pcal	PROCCV5.D	F1061507	1	SFID01	06/16/07 12:20	1
TO05MW40ABL	250696401	SFID0106/11/07-2214~F106110Pcal	964-1.D	F1061507	1	SFID01	06/16/07 14:42	1
CCV521516	19331	SFID0106/11/07-2214~F106110Pcal	PROCCV6.D	F1061507	1	SFID01	06/16/07 18:51	1

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
11896	TPH	Ultra	CB-0727	4/30/2008	1.5 ML	4/11/2006	cring-hillard
500 UG/ML: TPH							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
13875	TPH	Ultra	CC-1024	5/1/2009	1.5 ML	7/27/2006	parmstrong
500 UG/ML: TPH							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
16601	C-39	NSI W-1339-19	1339-19-01	11/1/2009	1 ML	1/15/2007	parmstrong
6000 UG/ML: Nonatriacontane (C-39)							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
17130	C-39	NSI W-1339-19	1339-19-01	11/1/2009	1 ML	2/20/2007	parmstrong
6000 UG/ML: Nonatriacontane (C-39)							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
17136	OTP	NSI W-1341H-02-0	W-1341H-02-08	12/1/2008	1.5 ML	2/20/2007	parmstrong
10000 UG/ML: o-Terphenyl Surrogate							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
17517	OTP	NSI W-1341H-02-0	W-1341H-02-08	12/1/2008	1.5 ML	3/14/2007	parmstrong
10000 UG/ML: o-Terphenyl Surrogate							

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18285	TPH	NSI C-443-12	C-443-12	7/1/2008	1.5 ML	5/1/2007	parmstrong
2000 UG/ML: TPH							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18527	TPH	Ultra	CC-3232	11/1/2009	1.5 ML	5/10/2007	parmstrong
500 UG/ML: TPH							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18528	TPH	Ultra SFL-601-1	CC-3232	11/1/2009	1.5 ML	5/10/2007	parmstrong
500 UG/ML: TPH							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18694	FL-PROwkg_spk			6/21/2007	50 ML	5/21/2007	parmstrong
200 UG/ML: TPH							
COMPOSED OF:							
18285: 1.25 ML 18286: 1.25 ML 18287: 1.25 ML 18288: 1.25 ML							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18856	FLPRO-C39-STK	CPI	125900	5/25/2010	1 ML	5/31/2007	lkeene
6000 MG/L: Nonatriacontane (C-39)							

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18858	FLPRO-C39-STK	CPI	125900	5/25/2010	1 ML	5/31/2007	lkeene

6000 MG/L: Nonatriacontane (C-39)

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18906	C-39wkg_surr			7/1/2007	100 ML	6/1/2007	lkeene

150 UG/ML: Nonatriacontane (C-39)

COMPOSED OF:

18856: 1.25 ML 18858: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19011	OTPwkg_surr			7/5/2007	100 ML	6/6/2007	lkeene

100 UG/ML: o-Terphenyl Surrogate

COMPOSED OF:

17517: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19017	PRO_CAL6			7/6/2007	1 ML	6/7/2007	lkeene

100 UG/ML: o-Terphenyl Surrogate
400 UG/ML: TPH
60 UG/ML: Nonatriacontane (C-39)

COMPOSED OF:

11896: 800 UL 17130: 10 UL 17517: 10 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19018	PRO_CAL5			7/6/2007	1 ML	6/7/2007	lkeene

100 UG/ML: o-Terphenyl Surrogate
300 UG/ML: TPH
60 UG/ML: Nonatriacontane (C-39)

STANDARDS LOG

COMPOSED OF:

11896: 600 UL 17130: 10 UL 17517: 10 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19021	PRO_CAL4			7/6/2007	1 ML	6/7/2007	lkeene

100 UG/ML: o-Terphenyl Surrogate
150 UG/ML: TPH
60 UG/ML: Nonatriacontane (C-39)

COMPOSED OF:

13875: 300 UL 17130: 10 UL 17517: 10 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19022	PRO_CAL3			7/6/2007	5 ML	6/7/2007	lkeene

100 UG/ML: o-Terphenyl Surrogate, TPH
60 UG/ML: Nonatriacontane (C-39)

COMPOSED OF:

17130: 50 UL 17517: 50 UL 18527: 1000 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19023	PRO_CAL2			7/6/2007	1 ML	6/7/2007	lkeene

100 UG/ML: o-Terphenyl Surrogate
50 UG/ML: TPH
60 UG/ML: Nonatriacontane (C-39)

COMPOSED OF:

13875: 100 UL 17130: 10 UL 17517: 10 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19024	PRO_CAL1			7/6/2007	1 ML	6/7/2007	lkeene

100 UG/ML: o-Terphenyl Surrogate
5 UG/ML: TPH
60 UG/ML: Nonatriacontane (C-39)

COMPOSED OF:

13875: 10 UL 17130: 10 UL 17517: 10 UL

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19025	PRO_SECCCV			7/6/2007	5 ML	6/7/2007	lkeene

100 UG/ML: o-Terphenyl Surrogate, TPH
60 UG/ML: Nonatriacontane (C-39)

COMPOSED OF:

17130: 50 UL 17517: 50 UL 18285: 250 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19331	PRO_CAL3			7/6/2007	5 ML	6/15/2007	lkeene

100 UG/ML: o-Terphenyl Surrogate, TPH
60 UG/ML: Nonatriacontane (C-39)

COMPOSED OF:

16601: 50 UL 17136: 50 UL 18528: 1000 UL

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\PROCAL61.D
Lab Smp Id: 19017 Client Smp ID: PROCAL6
Inj Date : 11-JUN-2007 18:40
Operator : PEL Inst ID: sfid01.i
Smp Info : 19017
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\FLPRO.m
Meth Date : 17-Jun-2007 20:13 parmstrong Quant Type: ESTD
Cal Date : 11-JUN-2007 22:14 Cal File: PROCAL11.D
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.000	Weight of Sample
M	0.00000	% Moisture
Vf	2.000	Final extract volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	15.000		268844671	6.80000	6.6(M)
$ 2 ortho-Terphenyl	8.406	8.406	0.000	3289220	0.10000	0.091(M)
$ 3 Nonatriacontane	14.206	14.226	-0.020	2092067	0.06000	0.058(M)

QC Flag Legend

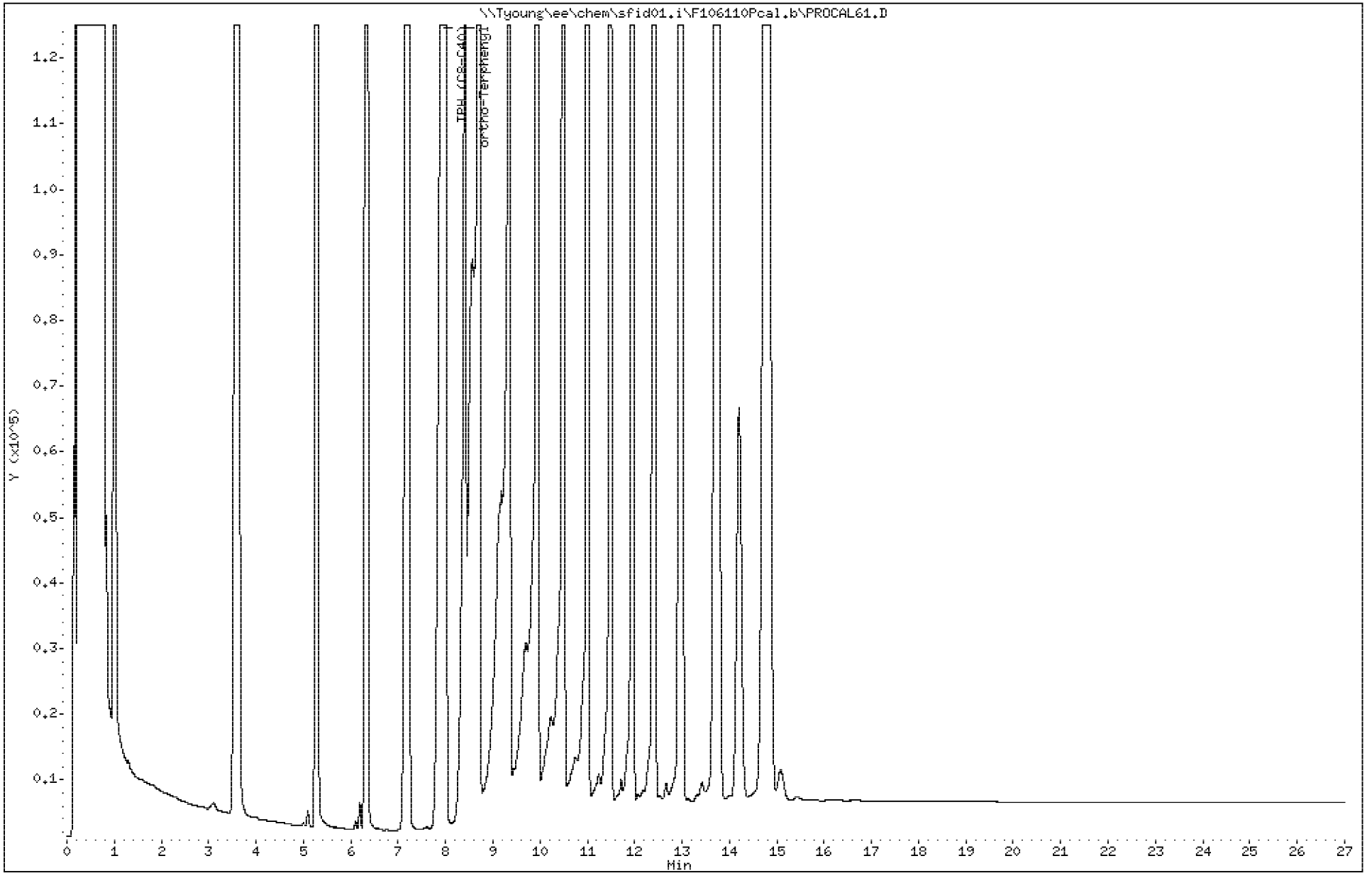
M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\PROCAL61.D
Date : 11-JUN-2007 18:40
Client ID: PROCAL6
Sample Info: 19017

Column phase: RTX-5

Instrument: sfid01.i

Operator: PEL
Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\PROCAL5.D
Lab Smp Id: 19018 Client Smp ID: PROCAL5
Inj Date : 11-JUN-2007 19:51
Operator : PEL Inst ID: sfid01.i
Smp Info : 19018
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\FLPRO.m
Meth Date : 17-Jun-2007 20:13 parmstrong Quant Type: ESTD
Cal Date : 11-JUN-2007 22:14 Cal File: PROCAL11.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.000	Weight of Sample
M	0.00000	% Moisture
Vf	2.000	Final extract volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	15.000		218150597	5.10000	5.3(M)
$ 2 ortho-Terphenyl	8.406	8.406	0.000	3253042	0.10000	0.088(M)
$ 3 Nonatriacontane	14.193	14.226	-0.033	2246893	0.06000	0.063(M)

QC Flag Legend

M - Compound response manually integrated.

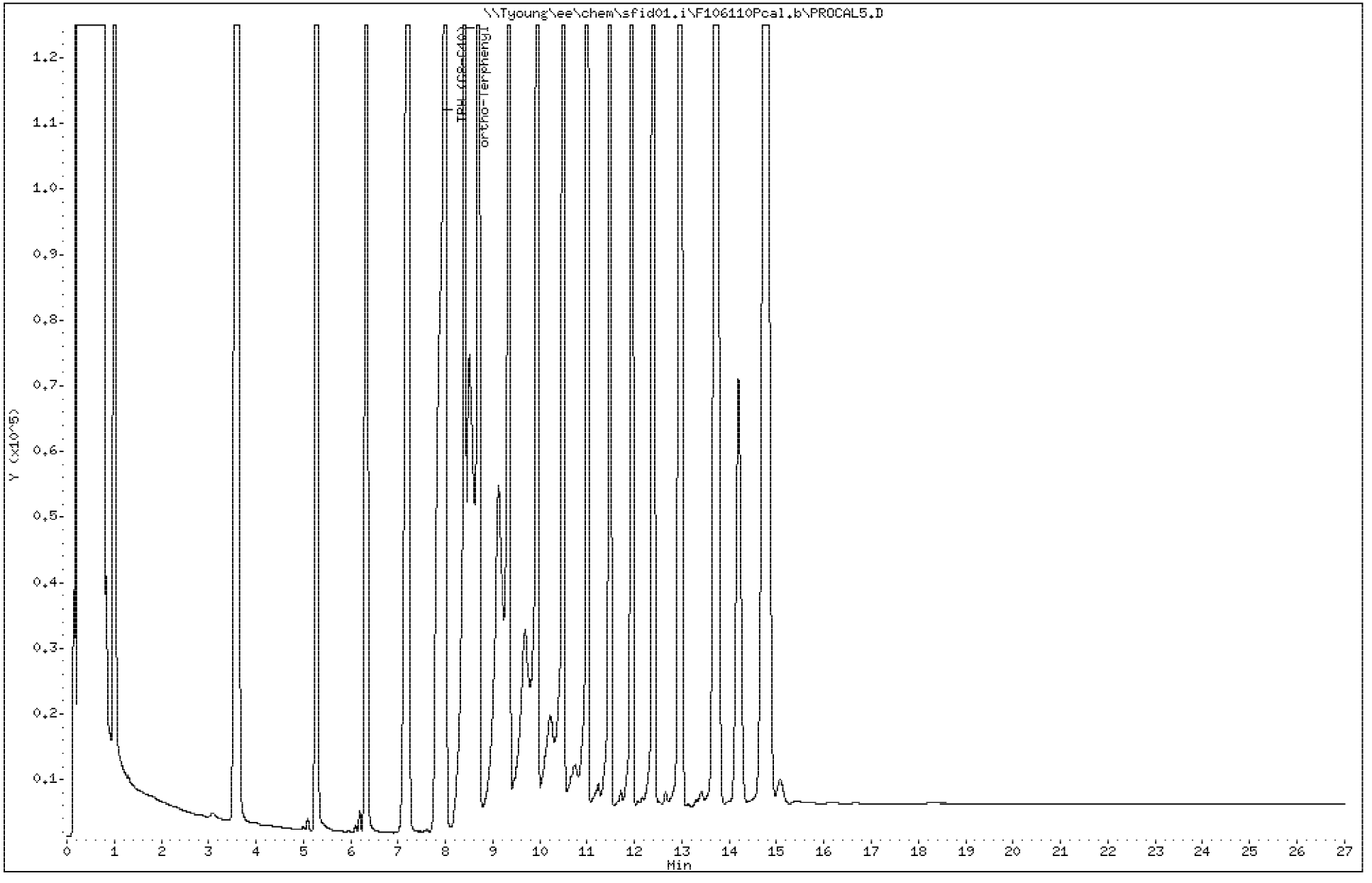
Data File: \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\PROCAL5.D
Date : 11-JUN-2007 19:51
Client ID: PROCAL5
Sample Info: 19018

Instrument: sfid01.i

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\PROCAL4.D
Lab Smp Id: 19021 Client Smp ID: PROCAL4
Inj Date : 11-JUN-2007 20:27
Operator : PEL Inst ID: sfid01.i
Smp Info : 19021
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\FLPRO.m
Meth Date : 17-Jun-2007 20:13 parmstrong Quant Type: ESTD
Cal Date : 11-JUN-2007 22:14 Cal File: PROCAL11.D
Als bottle: 3 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.000	Weight of Sample
M	0.00000	% Moisture
Vf	2.000	Final extract volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	15.000		107814095	2.55000	2.4(M)
$ 2 ortho-Terphenyl	8.406	8.406	0.000	4165537	0.10000	0.11(M)
$ 3 Nonatriacontane	14.176	14.226	-0.050	2256775	0.06000	0.063(M)

QC Flag Legend

M - Compound response manually integrated.

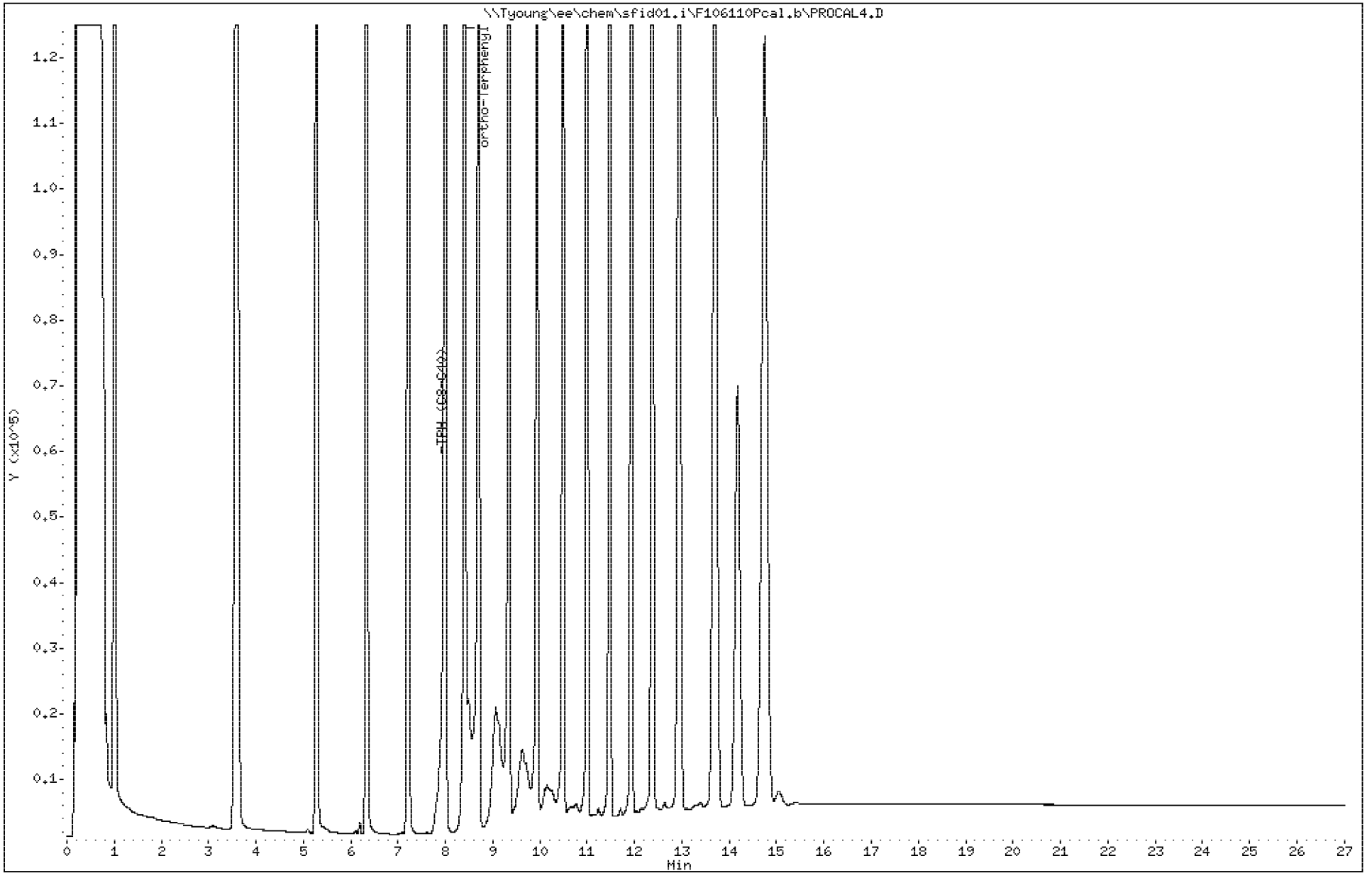
Data File: \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\PROCAL4.D
Date : 11-JUN-2007 20:27
Client ID: PROCAL4
Sample Info: 19021

Instrument: sfid01.i

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



AO-636

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PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\PROCAL3.D
Lab Smp Id: 19022 Client Smp ID: PROCAL3
Inj Date : 11-JUN-2007 21:03
Operator : PEL Inst ID: sfid01.i
Smp Info : 19022
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\FLPRO.m
Meth Date : 17-Jun-2007 20:13 parmstrong Quant Type: ESTD
Cal Date : 11-JUN-2007 22:14 Cal File: PROCAL11.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.000	Weight of Sample
M	0.00000	% Moisture
Vf	2.000	Final extract volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	15.000		70554611	1.70000	1.6(M)
$ 2 ortho-Terphenyl	8.406	8.406	0.000	3269385	0.10000	0.090(M)
$ 3 Nonatriacontane	14.170	14.226	-0.056	1735197	0.06000	0.048(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\PROCAL3.D

Date : 11-JUN-2007 21:03

Client ID: PROCAL3

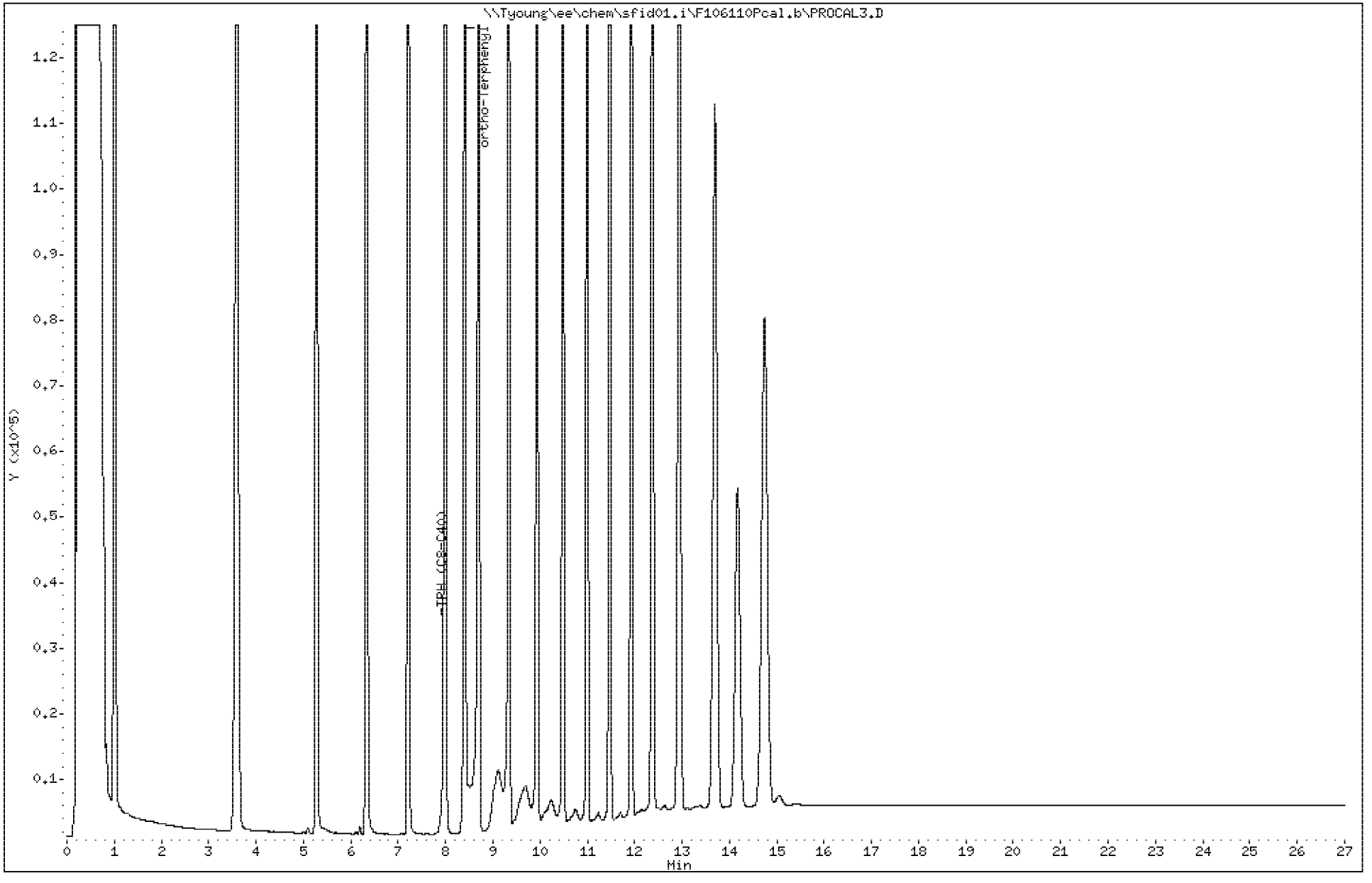
Instrument: sfid01.i

Sample Info: 19022

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



AO-638

2506964

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\PROCAL2.D
Lab Smp Id: 19023 Client Smp ID: PROCAL2
Inj Date : 11-JUN-2007 21:38
Operator : PEL Inst ID: sfid01.i
Smp Info : 19023
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\FLPRO.m
Meth Date : 17-Jun-2007 20:13 parmstrong Quant Type: ESTD
Cal Date : 11-JUN-2007 22:14 Cal File: PROCAL11.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.000	Weight of Sample
M	0.00000	% Moisture
Vf	2.000	Final extract volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	15.000		32444488	0.85000	0.72(M)
$ 2 ortho-Terphenyl	8.406	8.406	0.000	4219304	0.10000	0.12(M)
$ 3 Nonatriacontane	14.170	14.226	-0.056	2251337	0.06000	0.063(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\PROCAL2.D

Date : 11-JUN-2007 21:38

Client ID: PROCAL2

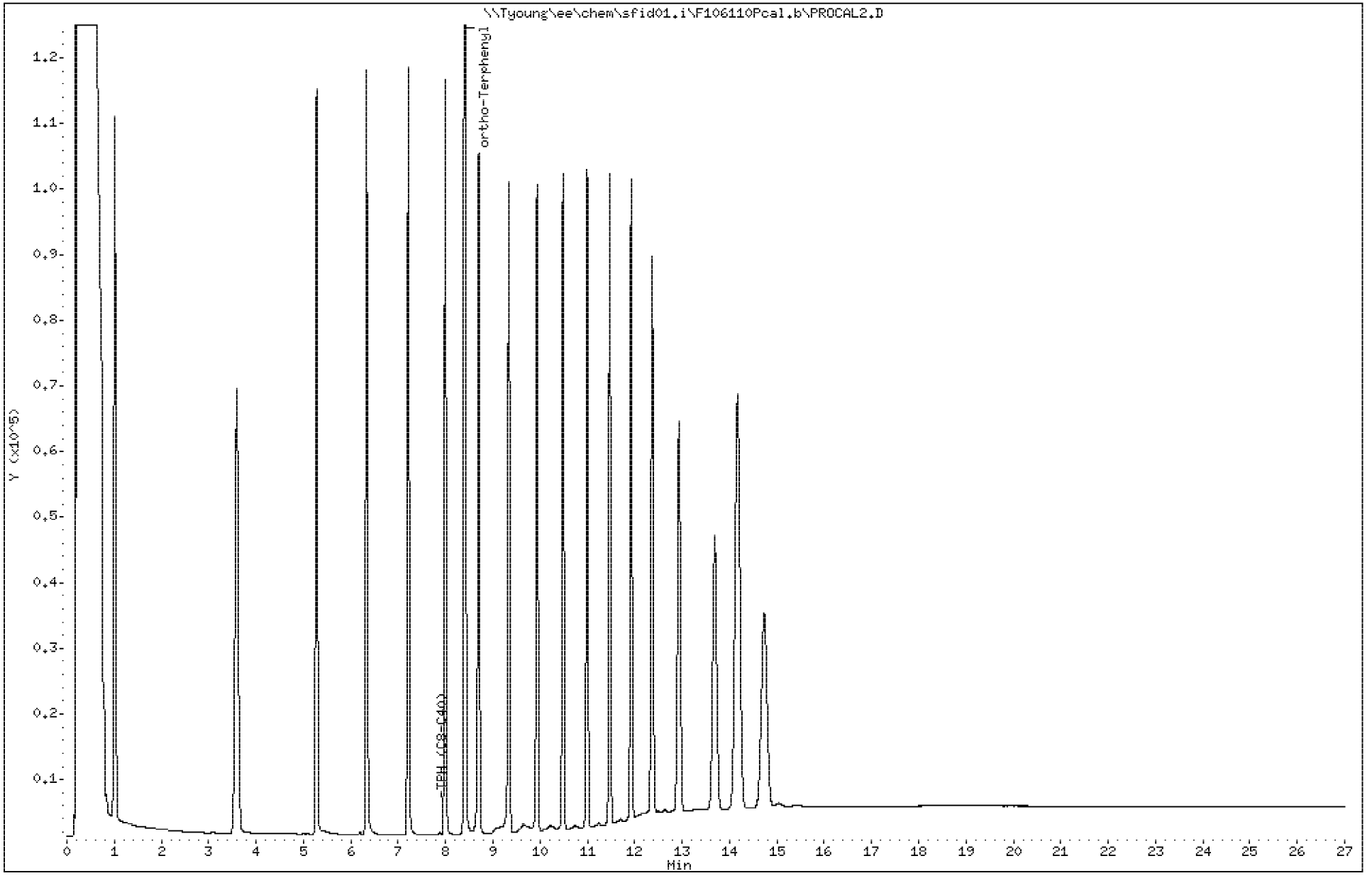
Instrument: sfid01.i

Sample Info: 19023

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



AO-640

2506964

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\PROCAL11.D
Lab Smp Id: 19024 Client Smp ID: PROCAL11
Inj Date : 11-JUN-2007 22:14
Operator : PEL Inst ID: sfid01.i
Smp Info : 19024
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\FLPRO.m
Meth Date : 17-Jun-2007 20:13 parmstrong Quant Type: ESTD
Cal Date : 11-JUN-2007 22:14 Cal File: PROCAL11.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.000	Weight of Sample
M	0.00000	% Moisture
Vf	2.000	Final extract volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	15.000		7313202	0.10200	0.16(M)
$ 2 ortho-Terphenyl	8.406	8.406	0.000	4274371	0.10000	0.12(M)
$ 3 Nonatriacontane	14.166	14.226	-0.060	2276889	0.06000	0.064(M)

QC Flag Legend

M - Compound response manually integrated.

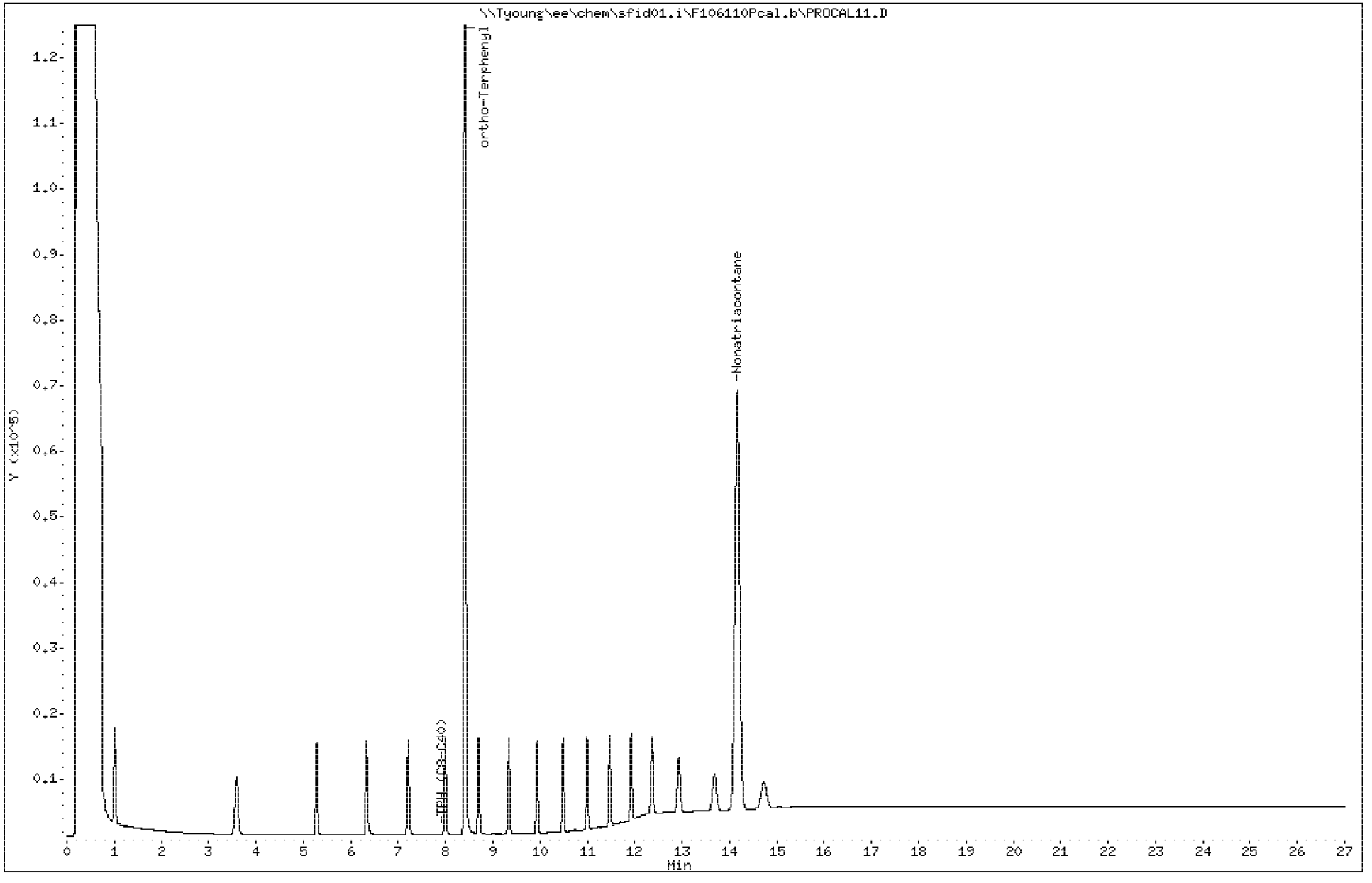
Data File: \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\PROCAL11.D
Date : 11-JUN-2007 22:14
Client ID: PROCAL11
Sample Info: 19024

Instrument: sfid01.i

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



AO-642
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PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\PROSECC2.D
Lab Smp Id: 19025 Client Smp ID: PROSECC2
Inj Date : 12-JUN-2007 00:01
Operator : PEL Inst ID: sfid01.i
Smp Info : 19025
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\FLPRO.m
Meth Date : 17-Jun-2007 20:13 parmstrong Quant Type: ESTD
Cal Date : 11-JUN-2007 19:51 Cal File: PROCAL5.D
Als bottle: 7 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.000	Weight of Sample
M	0.00000	% Moisture
Vf	2.000	Final extract volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	-15.000		61151986	1.70000	1.4
$ 2 ortho-Terphenyl	8.404	8.406	-0.002	3460964	0.10000	0.092
$ 3 Nonatriacontane	14.162	14.226	-0.064	1828173	0.06000	0.051

Data File: \\Tyoung\ee\chem\sfid01.i\F106110Pcal.b\PROSECC2.D

Date : 12-JUN-2007 00:01

Client ID: PROSECC2

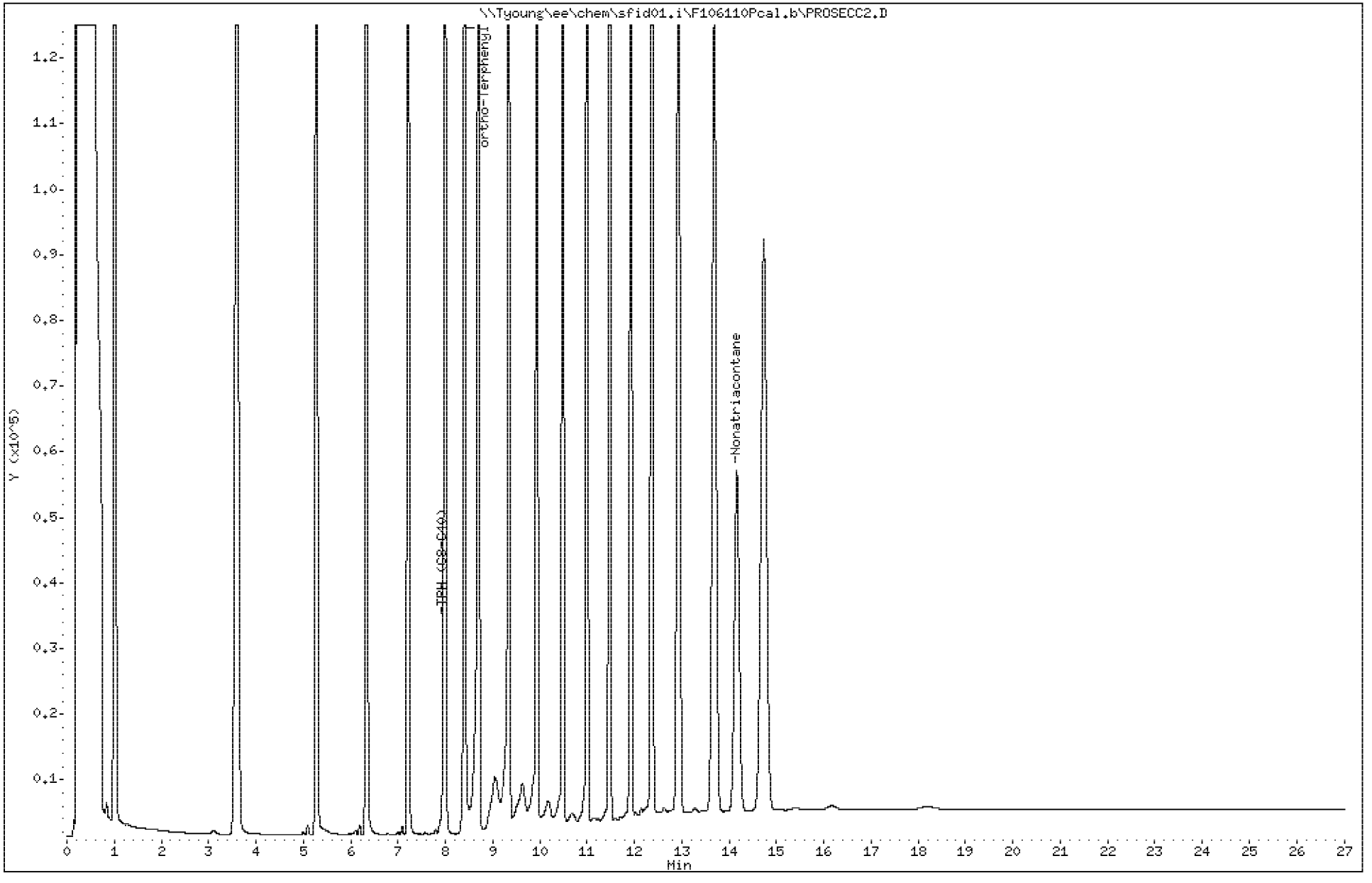
Instrument: sfid01.i

Sample Info: 19025

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



AO-644

2506964

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1061507.b\PROCCV1.D
Lab Smp Id: 19025 Client Smp ID: PROCCV1
Inj Date : 15-JUN-2007 10:09
Operator : PEL Inst ID: sfid01.i
Smp Info : 19025
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1061507.b\FLPRO.m
Meth Date : 17-Jun-2007 19:47 parmstrong Quant Type: ESTD
Cal Date : 11-JUN-2007 19:51 Cal File: PROCAL5.D
Als bottle: 99 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.000	Weight of Sample
M	0.00000	% Moisture
Vf	2.000	Final extract volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	15.000		68805104	1.70000	1.6(M)
$ 2 ortho-Terphenyl	8.406	8.400	0.006	3228695	0.10000	0.086(M)
$ 3 Nonatriacontane	14.216	14.183	0.033	1651288	0.06000	0.046(M)

QC Flag Legend

M - Compound response manually integrated.

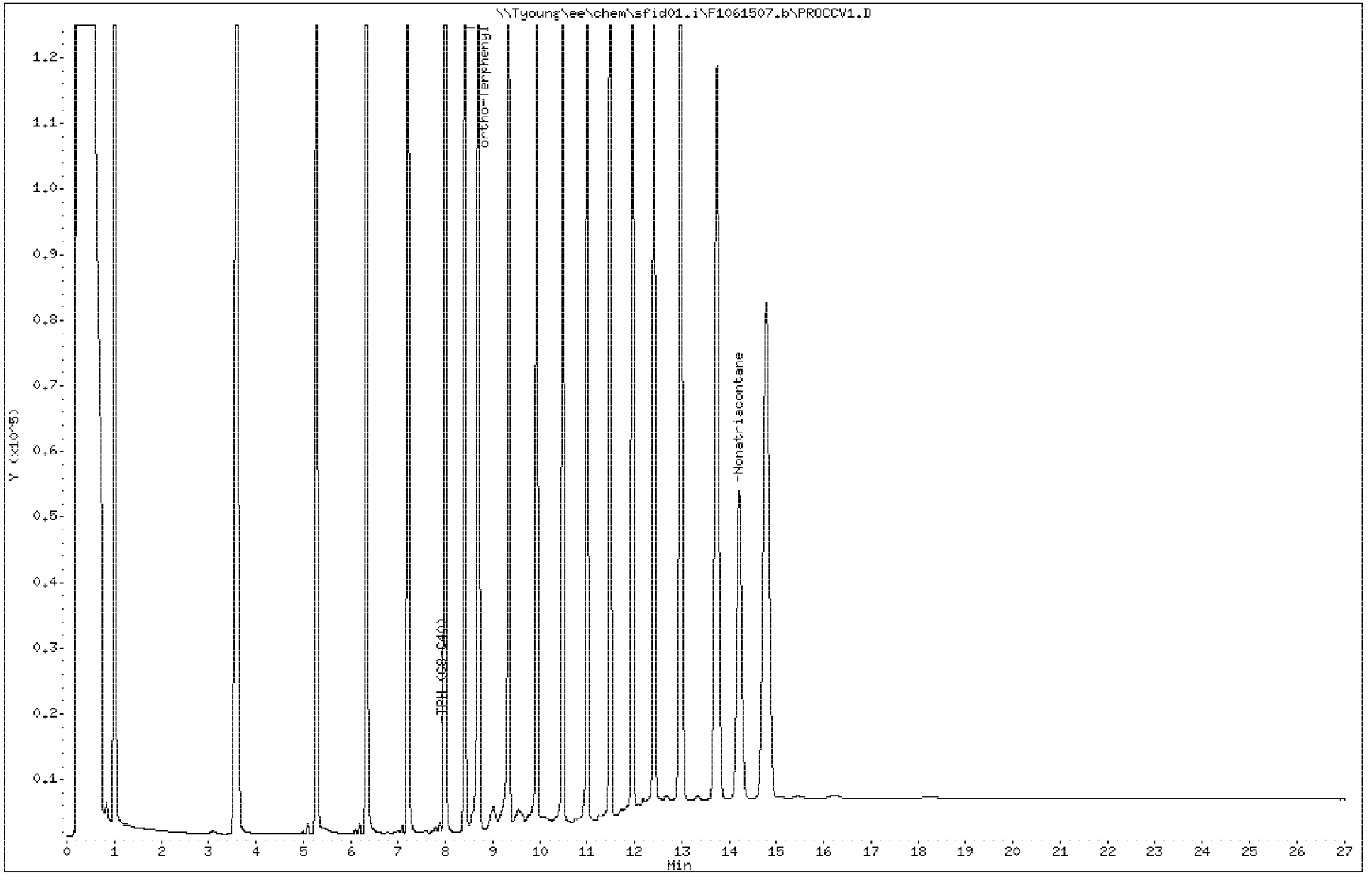
Data File: \\Tyoung\ee\chem\sfid01.i\F1061507.b\PROCCV1.D
Date : 15-JUN-2007 10:09
Client ID: PROCCV1
Sample Info: 19025

Instrument: sfid01.i

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1061507.b\3020MB.D
Lab Smp Id: 243616 Client Smp ID: 3020MB
Inj Date : 15-JUN-2007 13:16
Operator : PEL Inst ID: sfid01.i
Smp Info : 243616
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1061507.b\FLPRO.m
Meth Date : 17-Jun-2007 19:47 parmstrong Quant Type: ESTD
Cal Date : 11-JUN-2007 19:51 Cal File: PROCAL5.D
Als bottle: 21 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1000.000	Sample Initial Volume
Vf	2.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/ml)	FINAL (mg/L)
S 1 TPH (C8-C40)	0.900	-15.000		3485501	0.02792	0.056(M)
$ 2 ortho-Terphenyl	8.400	8.400	0.000	1527007	0.04077	0.082(RM)
$ 3 Nonatriacontane	14.176	14.183	-0.007	1741028	0.04874	0.097(M)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1061507.b\3020MB.D

Date : 15-JUN-2007 13:16

Client ID: 3020MB

Instrument: sfid01.i

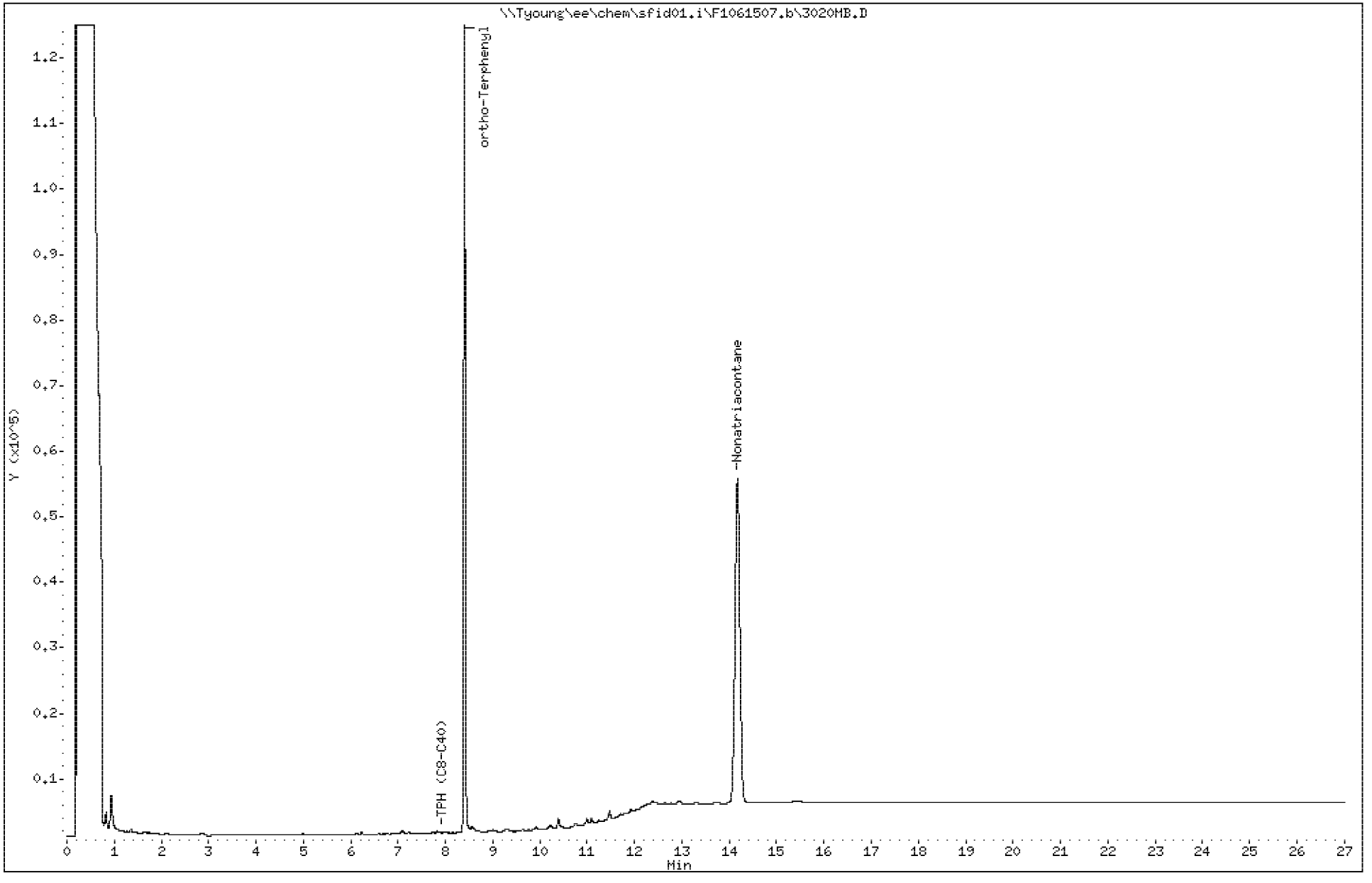
Sample Info: 243616

Volume Injected (uL): 1000.0

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1061507.b\3020LCS.D
Lab Smp Id: 243617 Client Smp ID: 3020LCS
Inj Date : 15-JUN-2007 13:52
Operator : PEL Inst ID: sfid01.i
Smp Info : 243617
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1061507.b\FLPRO.m
Meth Date : 17-Jun-2007 19:47 parmstrong Quant Type: ESTD
Cal Date : 11-JUN-2007 19:51 Cal File: PROCAL5.D
Als bottle: 22 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1000.000	Sample Initial Volume
Vf	2.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

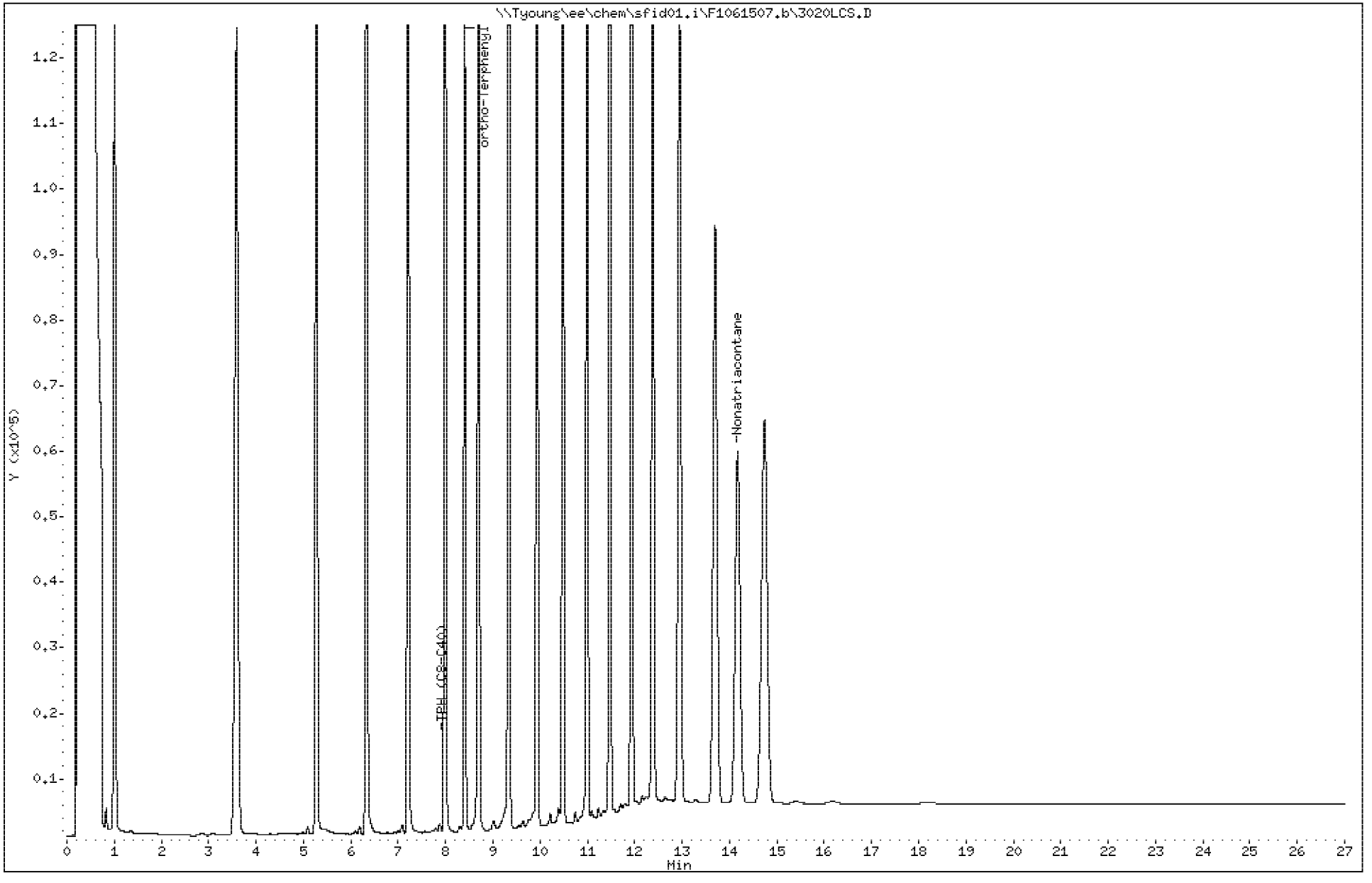
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/ml)	FINAL (mg/L)
S 1 TPH (C8-C40)	0.900	-15.000		55102171	1.30546	2.6(M)
$ 2 ortho-Terphenyl	8.403	8.400	0.003	1644102	0.04390	0.088(M)
$ 3 Nonatriacontane	14.173	14.183	-0.010	1904045	0.05330	0.11(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1061507.b\3020LCS.D
Date : 15-JUN-2007 13:52
Client ID: 3020LCS
Sample Info: 243617
Volume Injected (uL): 1000.0
Column phase: RTX-5

Instrument: sfid01.i
Operator: PEL
Column diameter: 0.53



AO-650

2506964

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1061507.b\964-1MS.D
Lab Smp Id: 250696402 Client Smp ID: TO0540AMSBL
Inj Date : 15-JUN-2007 14:28
Operator : PEL Inst ID: sfid01.i
Smp Info : 250696402
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1061507.b\FLPRO.m
Meth Date : 17-Jun-2007 19:47 parmstrong Quant Type: ESTD
Cal Date : 11-JUN-2007 19:51 Cal File: PROCAL5.D
Als bottle: 32 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	935.000	Sample Initial Volume
Vf	2.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/ml)	FINAL (mg/L)
S 1 TPH (C8-C40)	0.900	-15.000		56725753	1.34564	2.9(M)
$ 2 ortho-Terphenyl	8.403	8.400	0.003	1615095	0.04313	0.092(M)
$ 3 Nonatriacontane	14.176	14.183	-0.007	1867204	0.05227	0.11(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1061507.b\964-1MS.D

Date : 15-JUN-2007 14:28

Client ID: TO0540AMSBL

Instrument: sfid01.i

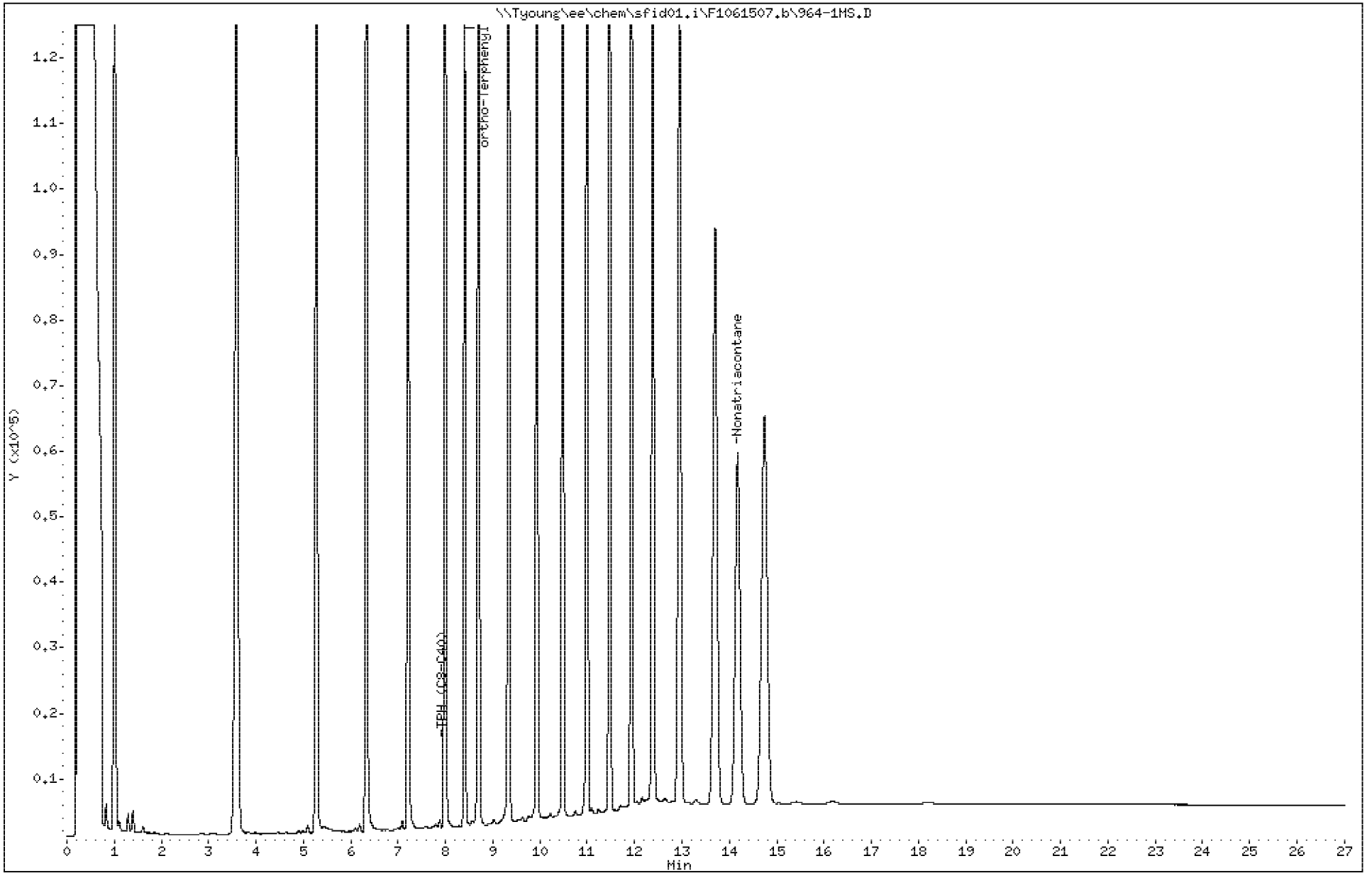
Sample Info: 250696402

Volume Injected (uL): 935.0

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



AO-652

2506964

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1061507.b\964-1MSD.D
Lab Smp Id: 250696403 Client Smp ID: TO0540AMSDBL
Inj Date : 15-JUN-2007 15:03
Operator : PEL Inst ID: sfid01.i
Smp Info : 250696403
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1061507.b\FLPRO.m
Meth Date : 17-Jun-2007 19:47 parmstrong Quant Type: ESTD
Cal Date : 11-JUN-2007 19:51 Cal File: PROCAL5.D
Als bottle: 33 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	940.000	Sample Initial Volume
Vf	2.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

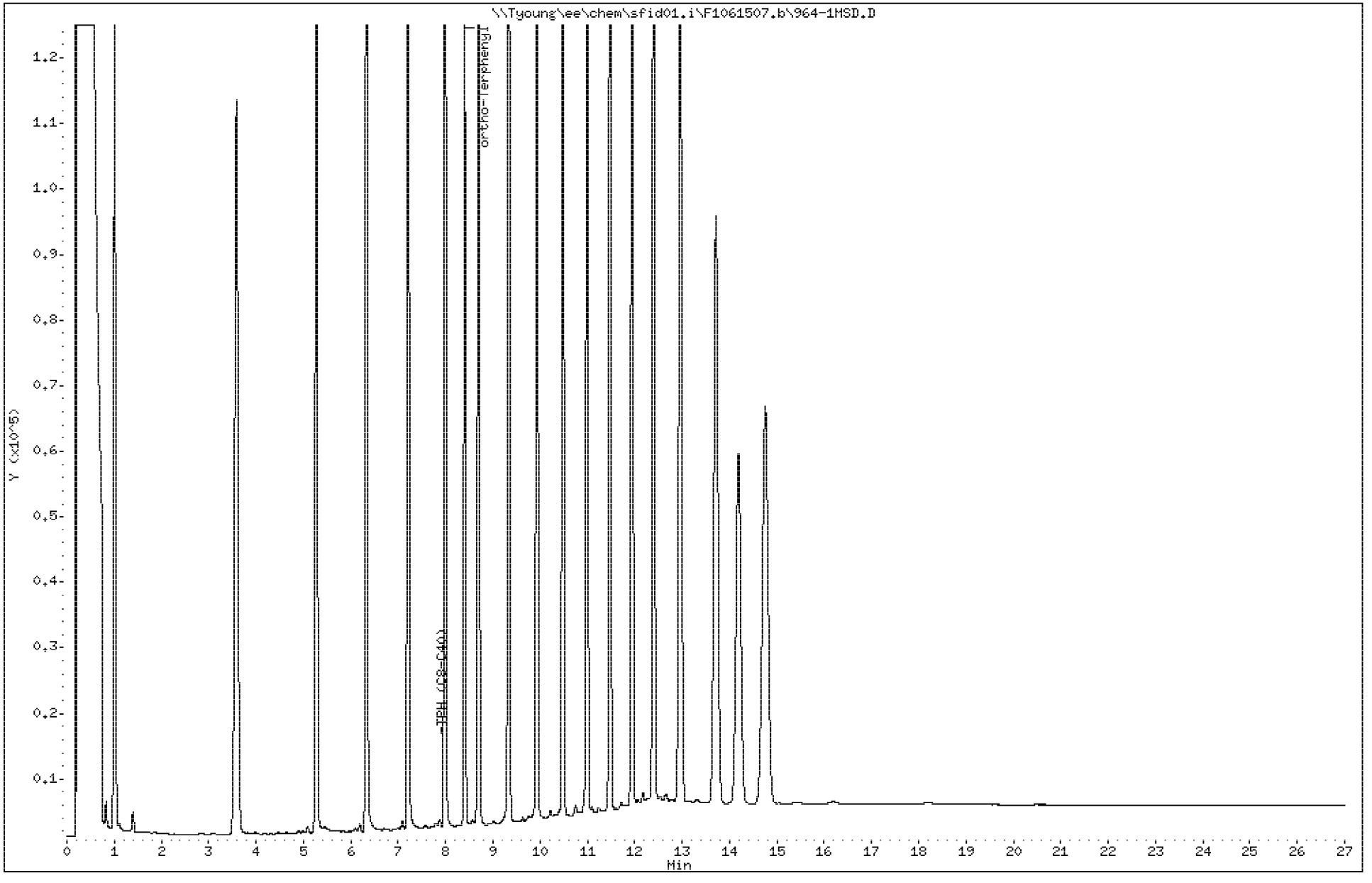
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/ml)	FINAL (mg/L)
S 1 TPH (C8-C40)	0.900	-15.000		57418411	1.36279	2.9(M)
$ 2 ortho-Terphenyl	8.400	8.400	0.000	1559984	0.04165	0.089(M)
$ 3 Nonatriacontane	14.190	14.183	0.007	1888825	0.05288	0.11(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1061507.b\964-1MSD.D
Date : 15-JUN-2007 15:03
Client ID: TO0540AMSDBL
Sample Info: 250696403
Volume Injected (uL): 940.0
Column phase: RTX-5

Instrument: sfid01.i
Operator: PEL
Column diameter: 0.53



AO-654

2506964

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1061507.b\964-4.D
Lab Smp Id: 250696404 Client Smp ID: TO05MW40BBL
Inj Date : 15-JUN-2007 15:39
Operator : PEL Inst ID: sfid01.i
Smp Info : 250696404
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1061507.b\FLPRO.m
Meth Date : 17-Jun-2007 19:47 parmstrong Quant Type: ESTD
Cal Date : 11-JUN-2007 19:51 Cal File: PROCAL5.D
Als bottle: 34
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	935.000	Sample Initial Volume
Vf	2.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/ml)	FINAL (mg/L)
S 1 TPH (C8-C40)	0.900	-15.000		5086519	0.06755	0.14(M)
$ 2 ortho-Terphenyl	8.403	8.400	0.003	1610280	0.04300	0.092(M)
$ 3 Nonatriacontane	14.186	14.183	0.003	1826641	0.05114	0.11(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1061507.b\964-4.D

Date : 15-JUN-2007 15:39

Client ID: TO05MW40BBL

Instrument: sfid01.i

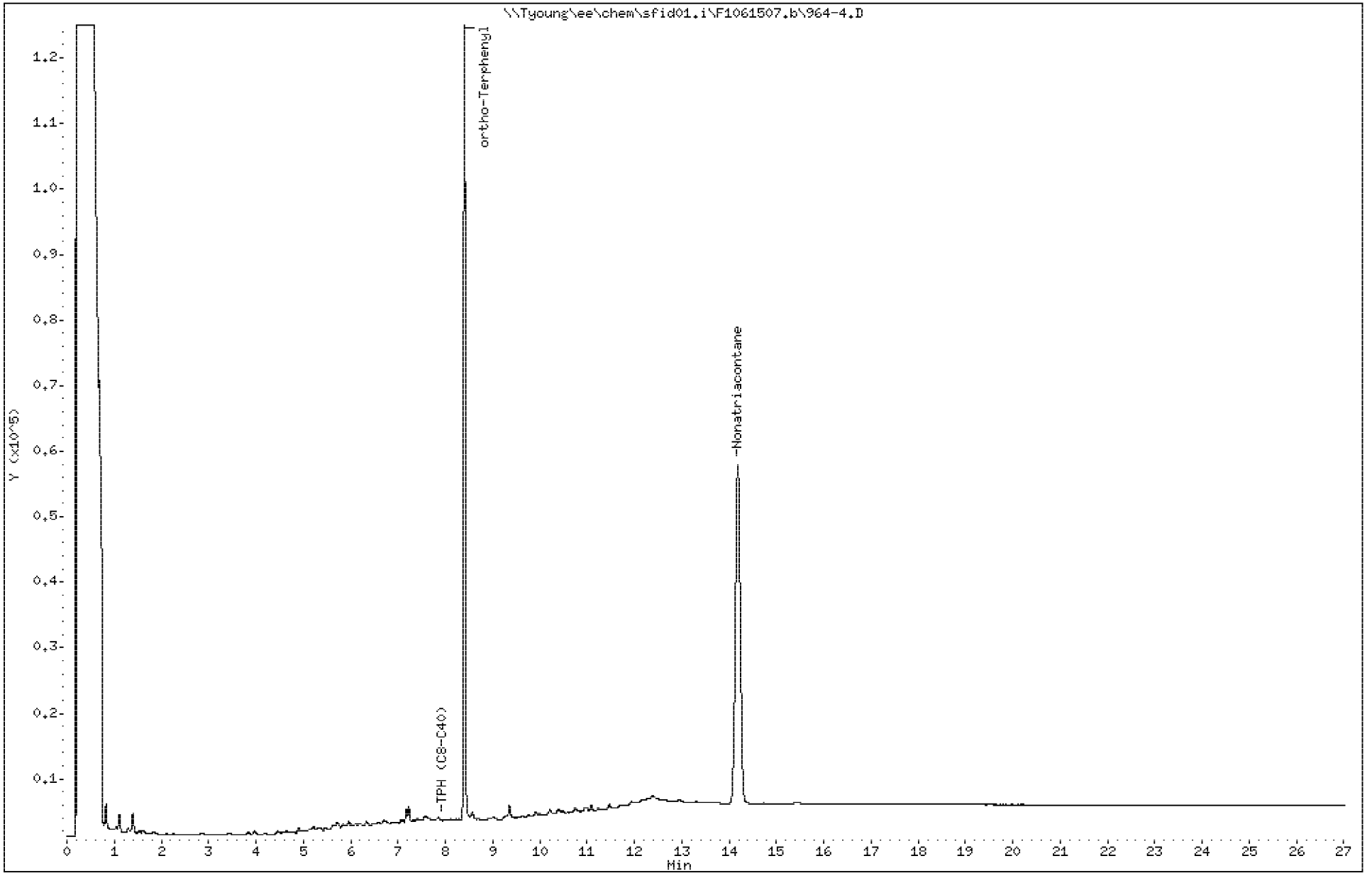
Sample Info: 250696404

Volume Injected (uL): 935.0

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1061507.b\964-5.D
Lab Smp Id: 250696405 Client Smp ID: TO05FD02BL
Inj Date : 15-JUN-2007 16:15
Operator : PEL Inst ID: sfid01.i
Smp Info : 250696405
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1061507.b\FLPRO.m
Meth Date : 17-Jun-2007 19:47 parmstrong Quant Type: ESTD
Cal Date : 11-JUN-2007 19:51 Cal File: PROCAL5.D
Als bottle: 35
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	905.000	Sample Initial Volume
Vf	2.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/ml)	FINAL (mg/L)
S 1 TPH (C8-C40)	0.900	-15.000		5515524	0.07817	0.17
$ 2 ortho-Terphenyl	8.401	8.400	0.001	1593894	0.04256	0.094
$ 3 Nonatriacontane	14.171	14.183	-0.012	2547082	0.07131	0.16

Data File: \\Tyoung\ee\chem\sfid01.i\F1061507.b\964-5.D

Date : 15-JUN-2007 16:15

Client ID: T005FD02BL

Instrument: sfid01.i

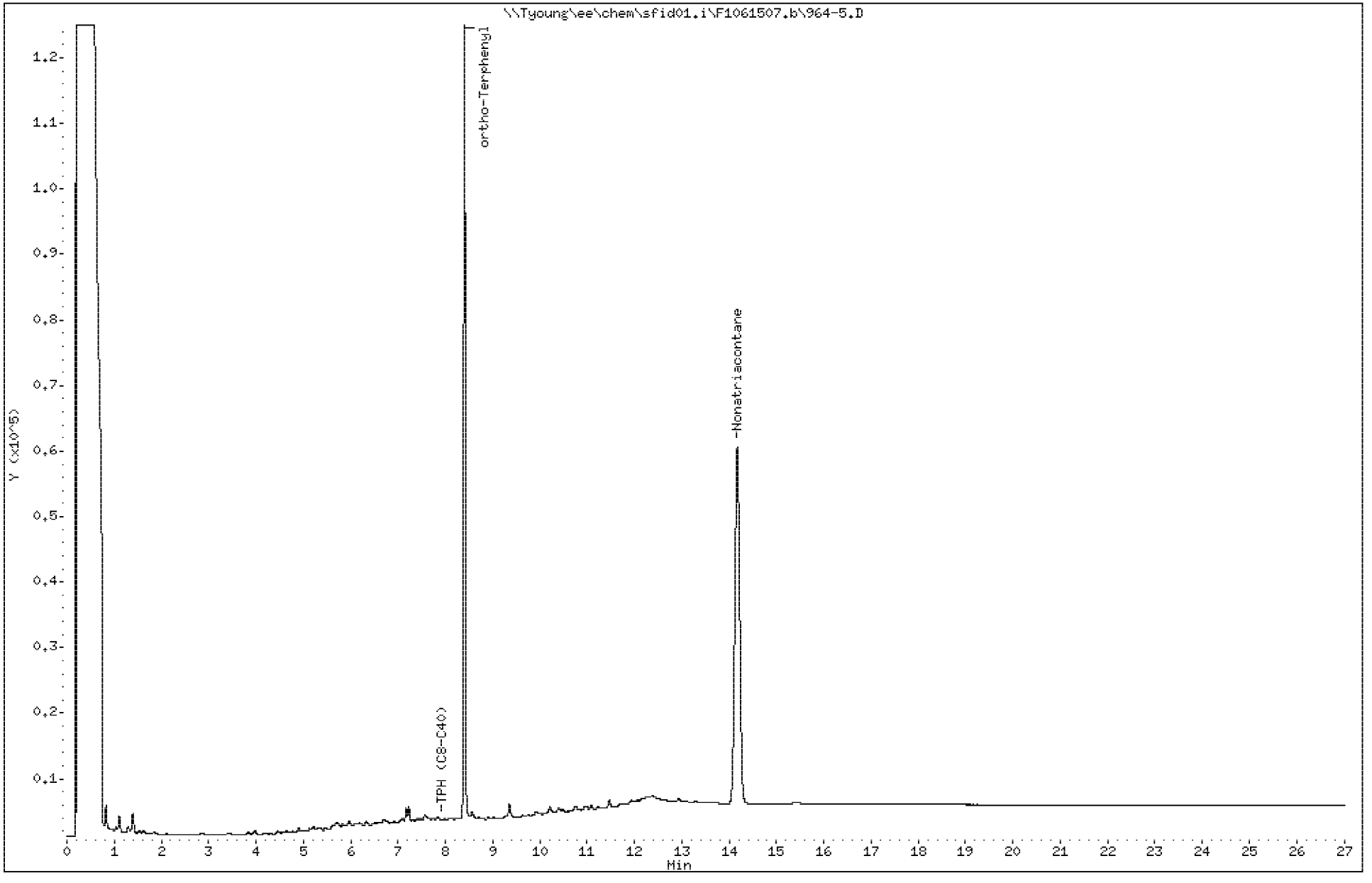
Sample Info: 250696405

Volume Injected (uL): 905.0

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1061507.b\PROCCV2.D
Lab Smp Id: 19331 Client Smp ID: PROCCV2
Inj Date : 15-JUN-2007 16:51
Operator : PEL Inst ID: sfid01.i
Smp Info : 19331
Misc Info : Florida PRO
Comment :
Method : \\TYOUNG\ee\chem\sfid01.i\F1061507.b\FLPRO.m
Meth Date : 17-Jun-2007 19:47 parmstrong Quant Type: ESTD
Cal Date : 11-JUN-2007 19:51 Cal File: PROCAL5.D
Als bottle: 99 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TYOUNG

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.000	Weight of Sample
M	0.00000	% Moisture
Vf	2.000	Final extract volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	15.000		61533470	1.70000	1.5(M)
$ 2 ortho-Terphenyl	8.403	8.400	0.003	3216747	0.10000	0.086(M)
$ 3 Nonatriacontane	14.156	14.183	-0.027	1746941	0.06000	0.049(M)

QC Flag Legend

M - Compound response manually integrated.

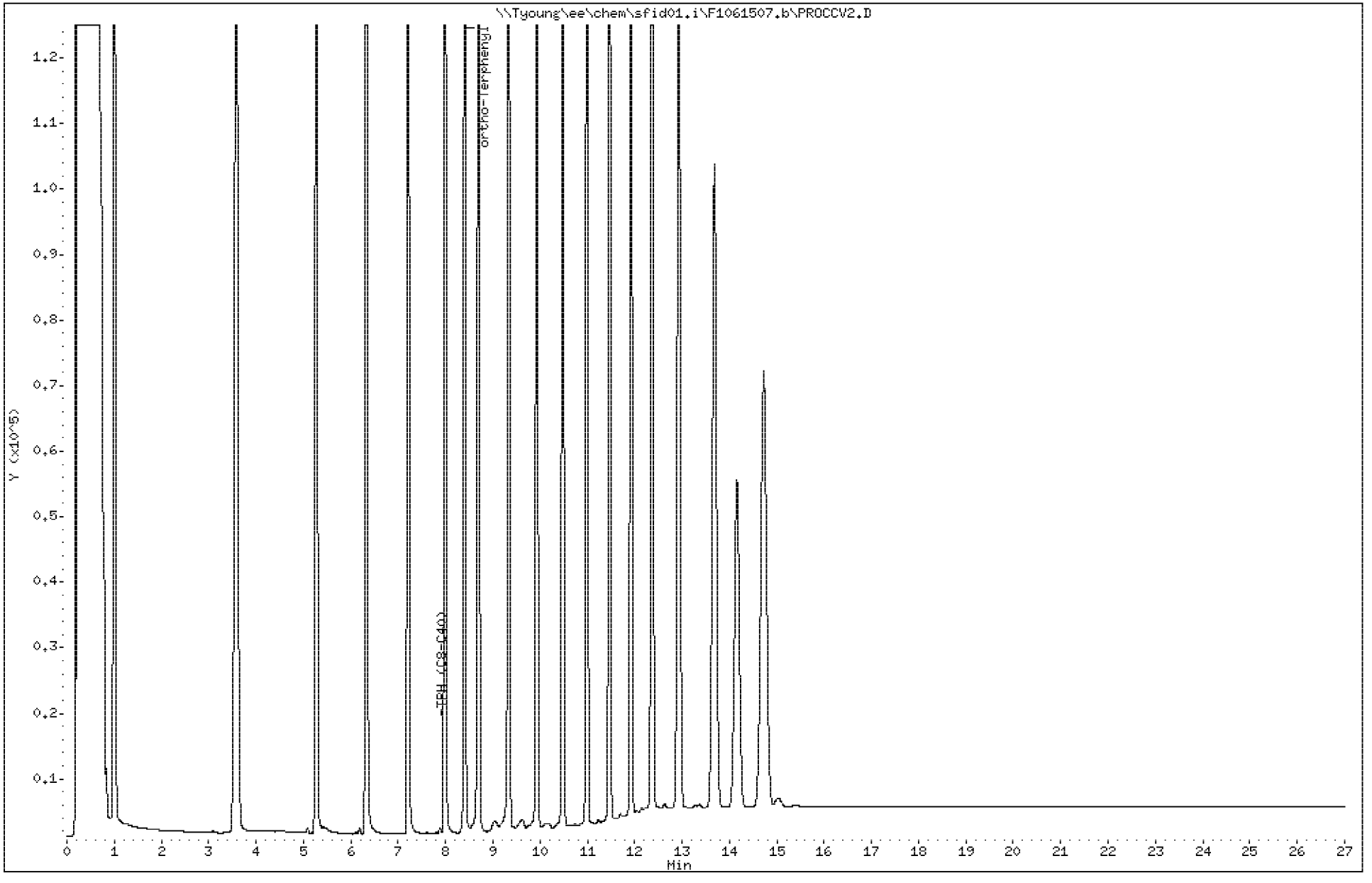
Data File: \\Tyoung\ee\chem\sfid01.i\F1061507.b\PROCCV2.D
Date : 15-JUN-2007 16:51
Client ID: PROCCV2
Sample Info: 19331

Instrument: sfid01.i

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



AO-660

2506964

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1061507.b\PROCCV5.D
Lab Smp Id: 19331 Client Smp ID: PROCCV5
Inj Date : 16-JUN-2007 12:20
Operator : PEL Inst ID: sfid01.i
Smp Info : 19331
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1061507.b\FLPRO.m
Meth Date : 17-Jun-2007 19:47 parmstrong Quant Type: ESTD
Cal Date : 11-JUN-2007 19:51 Cal File: PROCAL5.D
Als bottle: 98 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.000	Weight of Sample
M	0.00000	% Moisture
Vf	2.000	Final extract volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	15.000		63128125	1.70000	1.5(M)
$ 2 ortho-Terphenyl	8.403	8.400	0.003	3276943	0.10000	0.087(M)
$ 3 Nonatriacontane	14.176	14.183	-0.007	1684534	0.06000	0.047(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1061507.b\PROCCV5.D

Date : 16-JUN-2007 12:20

Client ID: PROCCV5

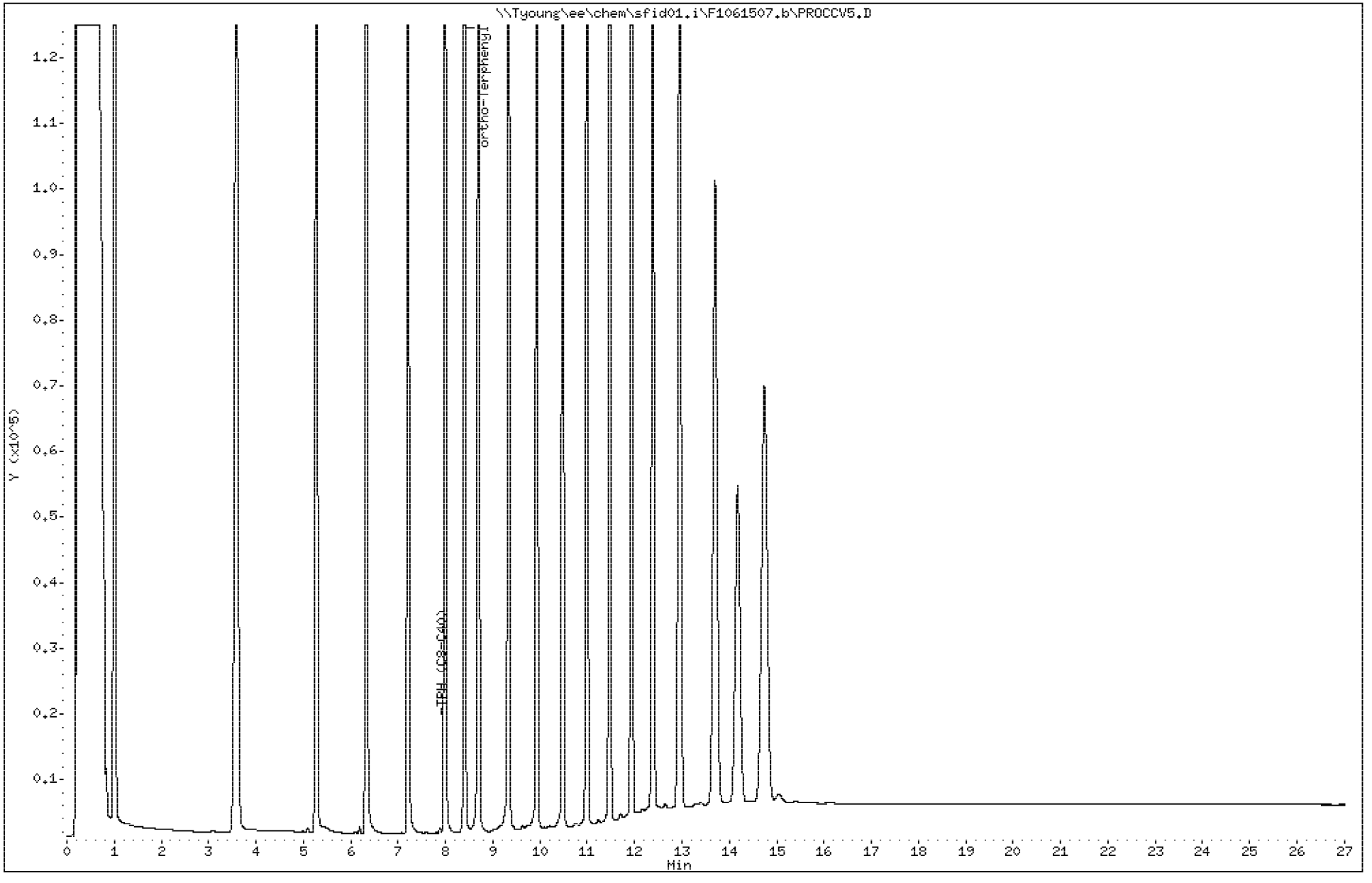
Instrument: sfid01.i

Sample Info: 19331

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



AO-662

2506964

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1061507.b\964-1.D
Lab Smp Id: 250696401 Client Smp ID: TO05MW40ABL
Inj Date : 16-JUN-2007 14:42
Operator : PEL Inst ID: sfid01.i
Smp Info : 250696401
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1061507.b\FLPRO.m
Meth Date : 17-Jun-2007 19:47 parmstrong Quant Type: ESTD
Cal Date : 11-JUN-2007 19:51 Cal File: PROCAL5.D
Als bottle: 31
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	940.000	Sample Initial Volume
Vf	2.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

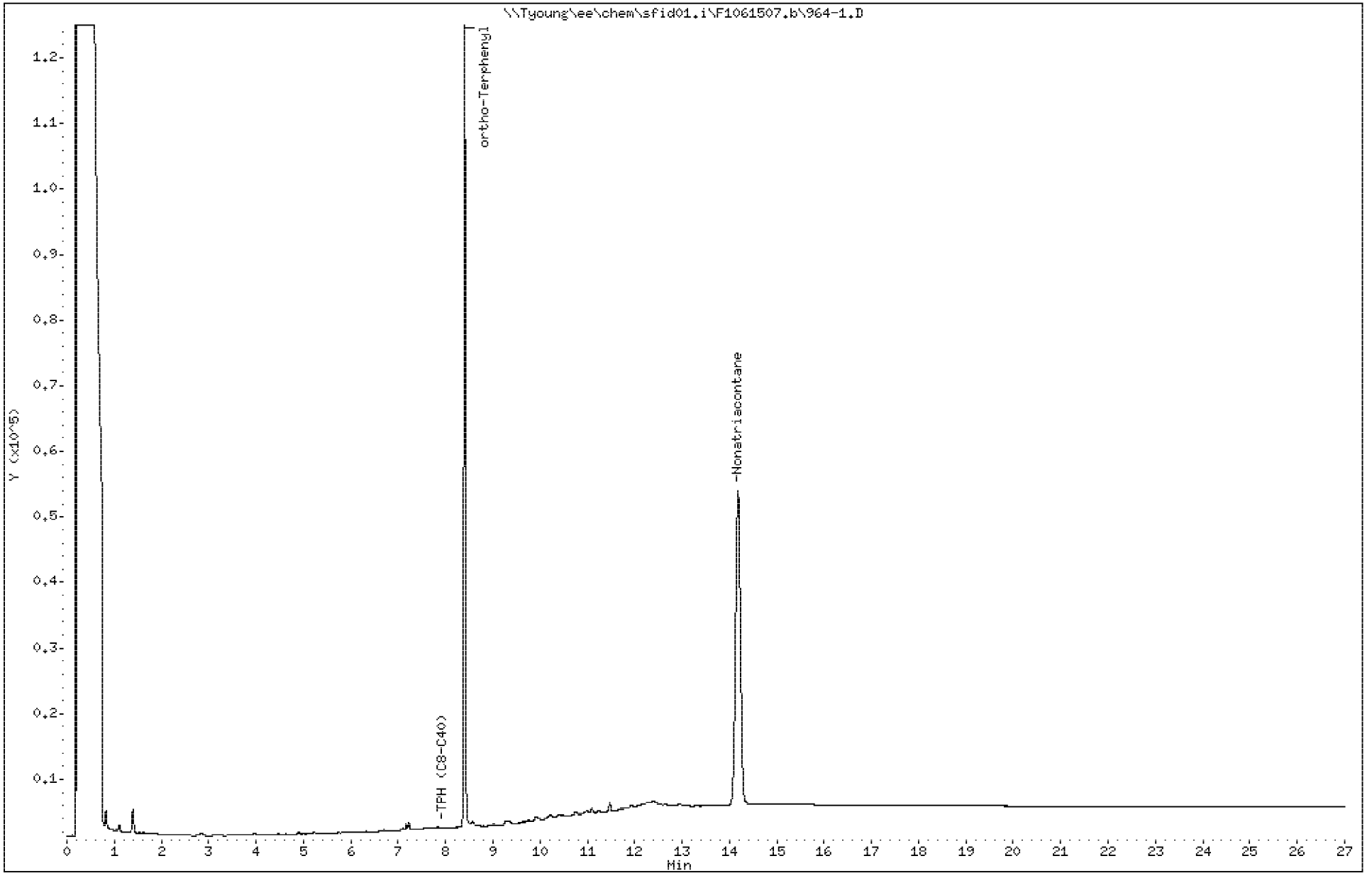
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/ml)	FINAL (mg/L)
S 1 TPH (C8-C40)	0.900	-15.000		4090263	0.04289	0.091(M)
$ 2 ortho-Terphenyl	8.400	8.400	0.000	1502718	0.04012	0.085(RM)
$ 3 Nonatriacontane	14.183	14.183	0.000	1686837	0.04722	0.10(M)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1061507.b\964-1.D
Date : 16-JUN-2007 14:42
Client ID: TO05MW40ABL
Sample Info: 250696401
Volume Injected (uL): 940.0
Column phase: RTX-5

Instrument: sfid01.i
Operator: PEL
Column diameter: 0.53



AO-664

2506964

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1061507.b\PROCCV6.D
Lab Smp Id: 19331 Client Smp ID: PROCCV6
Inj Date : 16-JUN-2007 18:51
Operator : PEL Inst ID: sfid01.i
Smp Info : 19331
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1061507.b\FLPRO.m
Meth Date : 17-Jun-2007 19:47 parmstrong Quant Type: ESTD
Cal Date : 11-JUN-2007 19:51 Cal File: PROCAL5.D
Als bottle: 98 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TYOUNG

Concentration Formula: Amt * DF * ((1/((Ws*((100-M)/100))/1000))*Vf) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.000	Weight of Sample
M	0.00000	% Moisture
Vf	2.000	Final extract volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	15.000		64114638	1.70000	1.5(M)
$ 2 ortho-Terphenyl	8.400	8.400	0.000	3156659	0.10000	0.084(M)
$ 3 Nonatriacontane	14.153	14.183	-0.030	1608192	0.06000	0.045(M)

QC Flag Legend

M - Compound response manually integrated.

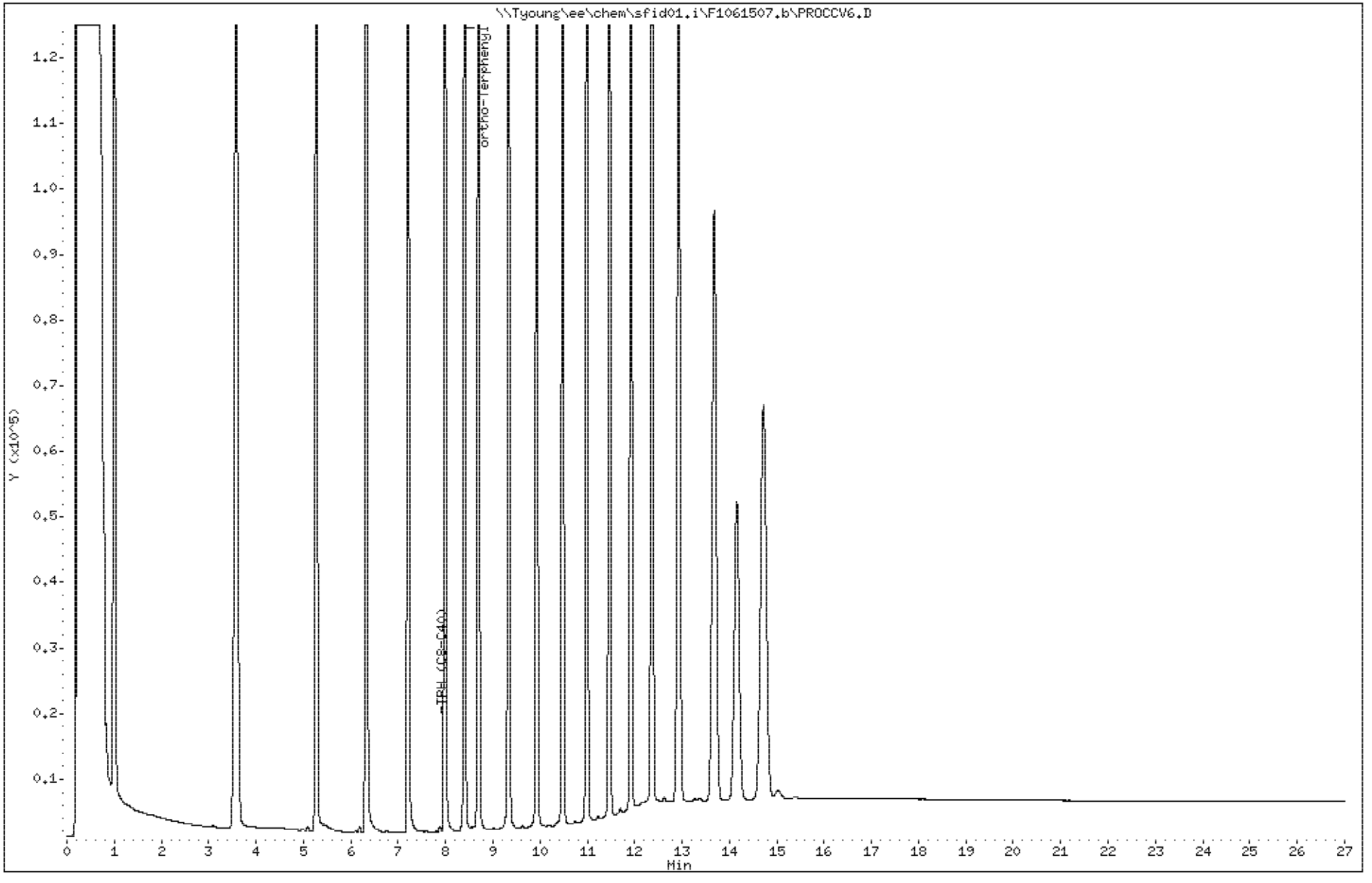
Data File: \\Tyoung\ee\chem\sfid01.i\F1061507.b\PROCCV6.D
Date : 16-JUN-2007 18:51
Client ID: PROCCV6
Sample Info: 19331

Instrument: sfid01.i

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



Raw Data Inorganics/Metals

Metals Digestion Log

Prepared by: MM

Date Prepared: ~~70~~ 062107

Reagents: PM#
HNO_3 219
HCl 221
H_2O_2 N/A

MAJORS Spike: MET# 19453
MINORS Spike: MET# 18965

LCS/MS/SD Spike amount: 1.00 mL Each
Water Bath Temperature: 95 °C
Thermometer ID: 11877
Dig Tube: A20215136

Method (Circle one)
Water: 3010A = ICP
3020 = Furnace
3005A = Total Recoverable
ILMO5.2 = CLP
Soil:
3050B = ICP or Furnace
ILMO5.2 = CLP

PREP ID # 062107 E
Start Time: 1:30
Stop Time: 4:00

Reprep of 060907B

	Container #	Sample ID	ID	Initial Weight (g) or Volume (mL) 3 SigFig	Final volume (mL)	Spike Verification	Comment or Notification: BATCH#: 7013
		BLKW ~~062140~~ 062107 E	BLK	50.0	50.0 mL		HSN# 243574
		LCS 062107 E	LCS				HSN# 75
		LCSD 062107 E	LCSD				HSN# 76
1	5	2506 964 01					
1	3	02	MS				HSN# N/A
1	4	03	SD				HSN# N/A
2	6	04					
3	4	05					
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

MM 062107

TA\metals\LogBooks\MetDigLog_1106_TEMPLATE
REV 01/06

MM

==========

Sequence No.: 1
Sample ID: STD1-Blank
Analyst:
Logged In Analyst (Original) : inorg
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 6/22/2007 11:03:24 AM
Data Type: Reprocessed on 6/22/2007 12:00:14 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: STD1-Blank

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1670447.2	3402.64	0.20%	100	%
Sc Radial	218348.3	636.69	0.29%	100	%
Ag 328.068†	10.8	36.89	342.39%	[0.00]	ug/L
Al 308.215†	33.6	6.81	20.26%	[0.00]	ug/L
As 188.979†	-7.5	1.88	25.18%	[0.00]	ug/L
Ba 233.527†	-115.2	1.23	1.07%	[0.00]	ug/L
Be 234.861†	-212.8	6.32	2.97%	[0.00]	ug/L
Ca 315.887†	242.7	0.63	0.26%	[0.00]	ug/L
Cd 226.502†	-3.9	1.00	25.94%	[0.00]	ug/L
Co 228.616†	-37.1	7.28	19.62%	[0.00]	ug/L
Cr 267.716†	17.3	0.69	3.97%	[0.00]	ug/L
Cu 324.752†	6808.8	28.60	0.42%	[0.00]	ug/L
Fe 259.939†	99.3	4.28	4.31%	[0.00]	ug/L
K 766.490†	48.1	38.43	79.86%	[0.00]	ug/L
Li 460.286†	603.1	23.23	3.85%	[0.00]	ug/L
Mg 279.077†	118.5	8.15	6.87%	[0.00]	ug/L
Mn 257.610†	488.8	2.41	0.49%	[0.00]	ug/L
Mo 202.031†	3.4	1.79	53.41%	[0.00]	ug/L
Na 589.592†	352.0	29.02	8.24%	[0.00]	ug/L
Ni 231.604†	-35.5	1.28	3.62%	[0.00]	ug/L
Pb 220.353†	21.2	0.70	3.29%	[0.00]	ug/L
Sb 206.836†	25.3	2.78	11.00%	[0.00]	ug/L
Se 196.026†	-8.8	3.44	38.89%	[0.00]	ug/L
Sn 189.927†	-4.7	2.04	43.38%	[0.00]	ug/L
Sr 421.552†	297.0	33.14	11.16%	[0.00]	ug/L
Ti 334.940†	-202.1	10.69	5.29%	[0.00]	ug/L
Tl 190.801†	-12.7	1.21	9.52%	[0.00]	ug/L
V 292.402†	9.1	2.02	22.23%	[0.00]	ug/L
Zn 206.200†	22.2	2.74	12.31%	[0.00]	ug/L

==========

Sequence No.: 2
Sample ID: Calib Std 1Maj
Analyst:
Logged In Analyst (Original) : inorg
Initial Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 6/22/2007 11:07:49 AM
Data Type: Reprocessed on 6/22/2007 12:00:15 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 1Maj

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1634623.2	3184.90	0.19%	97.9	%
Sc Radial	213995.3	637.79	0.30%	98.0	%
Al 308.215†	75.3	7.99	10.61%	[25]	ug/L
Ba 233.527†	52.6	4.32	8.21%	[0.5]	ug/L
Be 234.861†	81.1	3.65	4.50%	[0.5]	ug/L
Ca 315.887†	248.7	11.62	4.67%	[25]	ug/L
Cd 226.502†	3.2	2.04	64.45%	[0.5]	ug/L
Co 228.616†	17.7	0.86	4.84%	[0.5]	ug/L
Fe 259.939†	620.2	6.49	1.05%	[40]	ug/L
K 766.490†	152.9	11.86	7.76%	[25]	ug/L
Mg 279.077†	264.1	5.85	2.21%	[25]	ug/L
Na 589.592†	507.7	19.41	3.82%	[25]	ug/L
Sr 421.552†	215.3	15.43	7.17%	[0.4]	ug/L
Ti 334.940†	186.4	5.81	3.12%	[0.4]	ug/L
V 292.402†	10.5	2.34	22.26%	[0.5]	ug/L

==========

Sequence No.: 3 **Autosampler Location: 2**
Sample ID: Calib Std 1 **Date Collected: 6/22/2007 11:12:14 AM**
Analyst: **Data Type: Reprocessed on 6/22/2007 12:00:16 PM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: Calib Std 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1633345.8	2182.78	0.13%	97.8	%
Sc Radial	215324.7	2191.48	1.02%	98.6	%
Ag 328.068†	604.6	34.15	5.65%	[5]	ug/L
Al 308.215†	752.3	12.71	1.69%	[250]	ug/L
As 188.979†	7.2	3.61	50.12%	[5]	ug/L
Ba 233.527†	588.8	4.46	0.76%	[5]	ug/L
Be 234.861†	865.7	4.95	0.57%	[5]	ug/L
Ca 315.887†	2927.1	24.89	0.85%	[250]	ug/L
Cd 226.502†	37.5	3.06	8.17%	[5]	ug/L
Co 228.616†	117.5	6.99	5.95%	[5]	ug/L
Cr 267.716†	170.7	2.21	1.29%	[5]	ug/L
Cu 324.752†	1712.0	7.49	0.44%	[5]	ug/L
Fe 259.939†	6308.8	50.71	0.80%	[400]	ug/L
K 766.490†	1248.2	19.84	1.59%	[250]	ug/L
Li 460.286†	752.9	43.29	5.75%	[50]	ug/L
Mg 279.077†	2725.3	31.75	1.16%	[250]	ug/L
Mn 257.610†	2983.6	16.45	0.55%	[5]	ug/L
Mo 202.031†	15.5	5.73	36.95%	[5]	ug/L
Na 589.592†	3315.1	29.25	0.88%	[250]	ug/L
Ni 231.604†	46.9	8.00	17.08%	[5]	ug/L
Pb 220.353†	8.8	5.66	64.65%	[5]	ug/L
Sb 206.836†	17.4	3.05	17.53%	[5]	ug/L
Se 196.026†	5.4	1.58	29.24%	[5]	ug/L
Sn 189.927†	6.9	3.05	44.08%	[4]	ug/L
Sr 421.552†	3327.9	35.93	1.08%	[4]	ug/L
Ti 334.940†	2009.6	11.97	0.60%	[4]	ug/L
Tl 190.801†	0.6	3.07	543.60%	[5]	ug/L
V 292.402†	146.4	5.02	3.43%	[5]	ug/L
Zn 206.200†	63.6	4.67	7.34%	[5]	ug/L

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Sequence No.: 4 **Autosampler Location: 3**
Sample ID: Calib Std 2 **Date Collected: 6/22/2007 11:16:42 AM**
Analyst: **Data Type: Reprocessed on 6/22/2007 12:00:17 PM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: Calib Std 2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1627968.8	6232.36	0.38%	97.5	%
Sc Radial	214441.3	1379.85	0.64%	98.2	%
Ag 328.068†	6257.5	19.31	0.31%	[50]	ug/L
Al 308.215†	7502.8	17.87	0.24%	[2500]	ug/L
As 188.979†	62.1	5.25	8.45%	[50]	ug/L
Ba 233.527†	5933.3	37.51	0.63%	[50]	ug/L
Be 234.861†	8917.8	99.34	1.11%	[50]	ug/L
Ca 315.887†	29717.4	74.82	0.25%	[2500]	ug/L
Cd 226.502†	404.6	4.02	0.99%	[50]	ug/L
Co 228.616†	1181.2	12.46	1.05%	[50]	ug/L
Cr 267.716†	1626.6	3.78	0.23%	[50]	ug/L
Cu 324.752†	15549.7	132.34	0.85%	[50]	ug/L
Fe 259.939†	63347.0	193.72	0.31%	[4000]	ug/L
K 766.490†	12307.0	36.42	0.30%	[2500]	ug/L
Li 460.286†	7514.6	67.09	0.89%	[500]	ug/L
Mg 279.077†	27887.0	72.67	0.26%	[2500]	ug/L
Mn 257.610†	29417.4	345.90	1.18%	[50]	ug/L
Mo 202.031†	154.1	1.68	1.09%	[50]	ug/L
Na 589.592†	31382.4	58.12	0.19%	[2500]	ug/L
Ni 231.604†	528.3	4.43	0.84%	[50]	ug/L
Pb 220.353†	74.9	6.19	8.27%	[50]	ug/L
Sb 206.836†	94.2	1.49	1.58%	[50]	ug/L
Se 196.026†	41.9	4.46	10.65%	[50]	ug/L
Sn 189.927†	56.8	2.37	4.18%	[40]	ug/L
Sr 421.552†	34989.5	109.43	0.31%	[40]	ug/L
Ti 334.940†	20197.9	159.47	0.79%	[40]	ug/L
Tl 190.801†	65.3	2.45	3.76%	[50]	ug/L
V 292.402†	1493.1	14.17	0.95%	[50]	ug/L
Zn 206.200†	671.1	7.29	1.09%	[50]	ug/L

Sequence No.: 5
Sample ID: Calib Std 3
Analyst:
Logged In Analyst (Original) : inorg
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 6/22/2007 11:20:38 AM
Data Type: Reprocessed on 6/22/2007 12:00:19 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1612875.4	7405.80	0.46%	96.6	%
Sc Radial	214394.7	393.23	0.18%	98.2	%
Ag 328.068†	63462.1	106.38	0.17%	[500]	ug/L
Al 308.215†	75432.9	245.98	0.33%	[25000]	ug/L
As 188.979†	628.3	9.34	1.49%	[500]	ug/L
Ba 233.527†	59681.4	225.30	0.38%	[500]	ug/L
Be 234.861†	92326.6	244.80	0.27%	[500]	ug/L
Ca 315.887†	296291.6	1429.82	0.48%	[25000]	ug/L
Cd 226.502†	4015.7	7.89	0.20%	[500]	ug/L
Co 228.616†	11701.2	47.24	0.40%	[500]	ug/L
Cr 267.716†	16085.6	52.30	0.33%	[500]	ug/L
Cu 324.752†	155749.0	355.84	0.23%	[500]	ug/L
Fe 259.939†	617582.5	1112.70	0.18%	[40000]	ug/L
K 766.490†	123019.2	431.90	0.35%	[25000]	ug/L
Li 460.286†	81020.2	192.24	0.24%	[5000]	ug/L
Mg 279.077†	279109.7	884.75	0.32%	[25000]	ug/L
Mn 257.610†	289249.1	440.34	0.15%	[500]	ug/L
Mo 202.031†	1536.2	4.55	0.30%	[500]	ug/L
Na 589.592†	311894.2	1310.17	0.42%	[25000]	ug/L
Ni 231.604†	5161.0	32.29	0.63%	[500]	ug/L
Pb 220.353†	748.2	8.07	1.08%	[500]	ug/L
Sb 206.836†	920.3	3.78	0.41%	[500]	ug/L
Se 196.026†	412.6	4.14	1.00%	[500]	ug/L
Sn 189.927†	563.8	1.63	0.29%	[400]	ug/L
Sr 421.552†	347188.9	699.76	0.20%	[400]	ug/L
Ti 334.940†	205167.8	207.46	0.10%	[400]	ug/L
Tl 190.801†	705.6	4.33	0.61%	[500]	ug/L
V 292.402†	15171.9	92.40	0.61%	[500]	ug/L
Zn 206.200†	6655.7	46.52	0.70%	[500]	ug/L

Sequence No.: 6
Sample ID: Calib Std 4
Analyst:
Logged In Analyst (Original) : inorg
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 6/22/2007 11:24:54 AM
Data Type: Reprocessed on 6/22/2007 12:00:20 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1515258.4	946.53	0.06%	90.7	%
Sc Radial	203004.8	93.30	0.05%	93.0	%
Al 308.215†	754716.2	981.21	0.13%	[250000]	ug/L
As 188.979†	5919.9	11.51	0.19%	[5000]	ug/L
Ba 233.527†	556266.3	1189.48	0.21%	[5000]	ug/L
Be 234.861†	891739.7	3927.05	0.44%	[5000]	ug/L
Ca 315.887†	2833293.1	5669.45	0.20%	[250000]	ug/L
Cd 226.502†	36272.3	31.21	0.09%	[5000]	ug/L
Co 228.616†	106470.2	214.89	0.20%	[5000]	ug/L
Cr 267.716†	150544.6	130.68	0.09%	[5000]	ug/L
Cu 324.752†	1660551.3	1048.99	0.06%	[5000]	ug/L
Fe 259.939†	5643220.6	12719.65	0.23%	[400000]	ug/L
K 766.490†	1283649.3	849.52	0.07%	[250000]	ug/L
Mg 279.077†	2622067.8	4474.51	0.17%	[250000]	ug/L
Mn 257.610†	2623584.5	3811.16	0.15%	[5000]	ug/L
Mo 202.031†	14523.6	27.76	0.19%	[5000]	ug/L
Na 589.592†	3160398.5	821.35	0.03%	[250000]	ug/L
Ni 231.604†	47237.2	67.52	0.14%	[5000]	ug/L
Pb 220.353†	6916.7	12.56	0.18%	[5000]	ug/L
Sb 206.836†	8973.3	17.38	0.19%	[5000]	ug/L
Se 196.026†	4144.2	18.14	0.44%	[5000]	ug/L
Sn 189.927†	5242.4	16.37	0.31%	[4000]	ug/L
Sr 421.552†	3390573.7	2548.05	0.08%	[4000]	ug/L
Ti 334.940†	1957019.8	1587.53	0.08%	[4000]	ug/L
Tl 190.801†	6519.4	14.03	0.22%	[5000]	ug/L
V 292.402†	146313.7	282.89	0.19%	[5000]	ug/L
Zn 206.200†	60308.9	107.68	0.18%	[5000]	ug/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	3	Wt. Lin	-27.5	126.4	0.00000	0.999986	
Al 308.215	5	Wt. Lin	0.0	3.012	0.00000	0.999997	
As 188.979	4	Wt. Lin	1.1	1.219	0.00000	0.999698	
Ba 233.527	5	Wt. Lin	-5.8	117.0	0.00000	0.999560	
Be 234.861	5	Wt. Lin	-8.7	179.2	0.00000	0.999794	
Ca 315.887	5	Wt. Lin	-44.4	11.74	0.00000	0.999782	
Cd 226.502	5	Wt. Lin	-0.7	7.759	0.00000	0.998978	
Co 228.616	5	Wt. Lin	6.4	22.60	0.00000	0.999149	
Cr 267.716	4	Wt. Lin	13.7	31.47	0.00000	0.999466	
Cu 324.752	4	Wt. Lin	119.1	317.6	0.00000	0.999409	
Fe 259.939	5	Wt. Lin	11.7	15.27	0.00000	0.998910	
K 766.490	5	Wt. Lin	28.6	4.963	0.00000	0.999779	
Li 460.286	3	Wt. Lin	-33.7	15.68	0.00000	0.999287	
Mg 279.077	5	Wt. Lin	-9.3	10.94	0.00000	0.999666	
Mn 257.610	4	Wt. Lin	187.4	561.7	0.00000	0.998764	
Mo 202.031	4	Wt. Lin	0.5	3.014	0.00000	0.999629	
Na 589.592	5	Wt. Lin	194.6	12.52	0.00000	0.999982	
Ni 231.604	4	Wt. Lin	-3.5	10.12	0.00000	0.998661	
Pb 220.353	4	Wt. Lin	1.5	1.447	0.00000	0.999425	
Sb 206.836	4	Wt. Lin	8.5	1.779	0.00000	0.999636	
Se 196.026	4	Wt. Lin	1.3	0.8215	0.00000	0.999964	
Sn 189.927	4	Wt. Lin	1.5	1.366	0.00000	0.999517	
Sr 421.552	5	Wt. Lin	-130.5	864.6	0.00000	0.999915	
Ti 334.940	5	Wt. Lin	-14.8	503.3	0.00000	0.999842	
Tl 190.801	4	Wt. Lin	-6.3	1.386	0.00000	0.999048	
V 292.402	5	Wt. Lin	-4.4	29.92	0.00000	0.999900	
Zn 206.200	4	Wt. Lin	-0.7	12.92	0.00000	0.998751	

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Sequence No.: 7 **Autosampler Location: 6**
Sample ID: ICV **Date Collected: 6/22/2007 11:32:48 AM**
Analyst: **Data Type: Reprocessed on 6/22/2007 12:00:21 PM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1622748.3	97.1	%	0.41				0.43%
Sc Radial	216324.8	99.1	%	0.48				0.48%
Ag 328.068†	20176.3	162	ug/L	0.7	162	ug/L	0.7	0.41%
QC value within limits for Ag 328.068 Recovery = 101.53%								
Al 308.215†	118216.8	39300	ug/L	370.4	39300	ug/L	370.4	0.94%
QC value within limits for Al 308.215 Recovery = 98.13%								
As 188.979†	490.1	406	ug/L	2.5	406	ug/L	2.5	0.62%
QC value within limits for As 188.979 Recovery = 101.55%								
Ba 233.527†	140329.3	1200	ug/L	6.7	1200	ug/L	6.7	0.56%
QC value within limits for Ba 233.527 Recovery = 99.99%								
Be 234.861†	74957.3	417	ug/L	1.4	417	ug/L	1.4	0.32%
QC value within limits for Be 234.861 Recovery = 104.14%								
Ca 315.887†	465763.8	39700	ug/L	376.8	39700	ug/L	376.8	0.95%
QC value within limits for Ca 315.887 Recovery = 99.19%								
Cd 226.502†	3199.6	406	ug/L	3.3	406	ug/L	3.3	0.82%
QC value within limits for Cd 226.502 Recovery = 101.40%								
Co 228.616†	9200.2	406	ug/L	2.5	406	ug/L	2.5	0.61%
QC value within limits for Co 228.616 Recovery = 101.49%								
Cr 267.716†	12650.3	401	ug/L	2.8	401	ug/L	2.8	0.70%
QC value within limits for Cr 267.716 Recovery = 100.33%								
Cu 324.752†	123903.7	391	ug/L	2.4	391	ug/L	2.4	0.60%
QC value within limits for Cu 324.752 Recovery = 97.74%								
Fe 259.939†	612672.2	40100	ug/L	477.3	40100	ug/L	477.3	1.19%
QC value within limits for Fe 259.939 Recovery = 100.32%								
K 766.490†	193586.7	39000	ug/L	300.1	39000	ug/L	300.1	0.77%
QC value within limits for K 766.490 Recovery = 97.50%								
Li 460.286†	62336.3	3780	ug/L	21.7	3780	ug/L	21.7	0.57%
Mg 279.077†	433422.8	39700	ug/L	206.2	39700	ug/L	206.2	0.52%
QC value within limits for Mg 279.077 Recovery = 99.14%								
Mn 257.610†	228447.4	405	ug/L	1.3	405	ug/L	1.3	0.33%
QC value within limits for Mn 257.610 Recovery = 101.26%								
Mo 202.031†	1224.6	409	ug/L	4.5	409	ug/L	4.5	1.11%
QC value within limits for Mo 202.031 Recovery = 102.16%								
Na 589.592†	493739.0	39400	ug/L	322.4	39400	ug/L	322.4	0.82%
QC value within limits for Na 589.592 Recovery = 98.57%								
Ni 231.604†	4001.0	395	ug/L	3.2	395	ug/L	3.2	0.82%
QC value within limits for Ni 231.604 Recovery = 98.72%								
Pb 220.353†	587.9	406	ug/L	7.0	406	ug/L	7.0	1.72%
QC value within limits for Pb 220.353 Recovery = 101.62%								
Sb 206.836†	746.9	413	ug/L	4.4	413	ug/L	4.4	1.06%
QC value within limits for Sb 206.836 Recovery = 103.37%								
Se 196.026†	322.1	406	ug/L	4.7	406	ug/L	4.7	1.16%
QC value within limits for Se 196.026 Recovery = 101.38%								
Sn 189.927†	573.5	420	ug/L	4.9	420	ug/L	4.9	1.16%
QC value within limits for Sn 189.927 Recovery = 105.04%								
Sr 421.552†	324196.2	374	ug/L	3.1	374	ug/L	3.1	0.82%
QC value within limits for Sr 421.552 Recovery = 93.58%								
Ti 334.940†	201539.3	400	ug/L	1.3	400	ug/L	1.3	0.33%
QC value within limits for Ti 334.940 Recovery = 100.11%								
Tl 190.801†	553.6	389	ug/L	12.2	389	ug/L	12.2	3.12%
QC value within limits for Tl 190.801 Recovery = 97.30%								
V 292.402†	12136.5	414	ug/L	2.4	414	ug/L	2.4	0.59%
QC value within limits for V 292.402 Recovery = 103.57%								
Zn 206.200†	5397.5	418	ug/L	3.7	418	ug/L	3.7	0.89%
QC value within limits for Zn 206.200 Recovery = 104.47%								

All analyte(s) passed QC.

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Sequence No.: 8 **Autosampler Location: 1**
Sample ID: ICB **Date Collected: 6/22/2007 11:36:47 AM**
Analyst: **Data Type: Reprocessed on 6/22/2007 12:00:22 PM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1656267.5	99.2	%	0.56				0.57%
Sc Radial	216050.2	98.9	%	0.25				0.25%
Ag 328.068†	194.9	1.76	ug/L	0.032	1.76	ug/L	0.032	1.81%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	5.8	1.92	ug/L	5.834	1.92	ug/L	5.834	304.10%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	2.8	1.38	ug/L	1.959	1.38	ug/L	1.959	142.40%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-9.4	-0.031	ug/L	0.0707	-0.031	ug/L	0.0707	230.81%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-2.5	0.035	ug/L	0.0243	0.035	ug/L	0.0243	69.85%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	-9.4	2.98	ug/L	0.617	2.98	ug/L	0.617	20.71%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	-2.3	-0.203	ug/L	0.2294	-0.203	ug/L	0.2294	113.18%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	4.2	-0.101	ug/L	0.0949	-0.101	ug/L	0.0949	94.46%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	7.6	-0.196	ug/L	0.1861	-0.196	ug/L	0.1861	95.08%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-55.9	-0.551	ug/L	0.0267	-0.551	ug/L	0.0267	4.84%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	-10.5	-1.45	ug/L	0.372	-1.45	ug/L	0.372	25.65%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	50.8	4.47	ug/L	5.410	4.47	ug/L	5.410	120.91%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	-71.9	-2.43	ug/L	3.323	-2.43	ug/L	3.323	136.57%
Mg 279.077†	-4.9	0.401	ug/L	0.4175	0.401	ug/L	0.4175	104.17%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-1.9	-0.337	ug/L	0.0333	-0.337	ug/L	0.0333	9.89%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	1.2	0.258	ug/L	0.7750	0.258	ug/L	0.7750	300.85%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	129.8	-5.18	ug/L	2.319	-5.18	ug/L	2.319	44.76%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	4.1	0.750	ug/L	0.3306	0.750	ug/L	0.3306	44.08%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	4.4	1.98	ug/L	1.763	1.98	ug/L	1.763	89.24%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	4.3	-2.36	ug/L	2.831	-2.36	ug/L	2.831	119.82%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	3.2	2.29	ug/L	6.817	2.29	ug/L	6.817	298.04%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	0.3	-0.830	ug/L	2.6450	-0.830	ug/L	2.6450	318.73%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	27.5	0.183	ug/L	0.0335	0.183	ug/L	0.0335	18.35%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	14.3	0.058	ug/L	0.0512	0.058	ug/L	0.0512	88.37%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-0.2	4.40	ug/L	2.044	4.40	ug/L	2.044	46.47%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-0.1	0.146	ug/L	0.0577	0.146	ug/L	0.0577	39.62%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	4.6	0.405	ug/L	0.5864	0.405	ug/L	0.5864	144.81%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 9 **Autosampler Location: 5**
Sample ID: AFCEE CRI **Date Collected: 6/22/2007 11:41:12 AM**
Analyst: **Data Type: Reprocessed on 6/22/2007 12:00:23 PM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: AFCEE CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1642021.0	98.3	%	0.22				0.22%
Sc Radial	215459.3	98.7	%	0.79				0.80%
Ag 328.068†	1367.7	11.1	ug/L	0.25	11.1	ug/L	0.25	2.30%
QC value within limits for Ag 328.068 Recovery = 110.57%								
Al 308.215†	605.6	201	ug/L	4.3	201	ug/L	4.3	2.13%
QC value within limits for Al 308.215 Recovery = 100.55%								
As 188.979†	40.4	32.3	ug/L	3.20	32.3	ug/L	3.20	9.92%
QC value within limits for As 188.979 Recovery = 107.66%								
Ba 233.527†	1209.2	10.4	ug/L	0.09	10.4	ug/L	0.09	0.83%
QC value within limits for Ba 233.527 Recovery = 103.90%								
Be 234.861†	743.1	4.19	ug/L	0.016	4.19	ug/L	0.016	0.37%
QC value within limits for Be 234.861 Recovery = 83.85%								
Ca 315.887†	11968.1	1020	ug/L	6.0	1020	ug/L	6.0	0.58%
QC value within limits for Ca 315.887 Recovery = 102.32%								
Cd 226.502†	38.7	4.97	ug/L	0.099	4.97	ug/L	0.099	2.00%
QC value within limits for Cd 226.502 Recovery = 99.48%								
Co 228.616†	232.2	9.99	ug/L	0.153	9.99	ug/L	0.153	1.53%
QC value within limits for Co 228.616 Recovery = 99.86%								
Cr 267.716†	342.8	10.5	ug/L	0.05	10.5	ug/L	0.05	0.46%
QC value within limits for Cr 267.716 Recovery = 104.67%								
Cu 324.752†	3186.2	9.66	ug/L	0.250	9.66	ug/L	0.250	2.59%
QC value within limits for Cu 324.752 Recovery = 96.60%								
Fe 259.939†	804.4	51.9	ug/L	0.72	51.9	ug/L	0.72	1.38%
QC value within limits for Fe 259.939 Recovery = 103.85%								
K 766.490†	5025.2	1010	ug/L	12.4	1010	ug/L	12.4	1.23%
QC value within limits for K 766.490 Recovery = 100.67%								
Li 460.286†	290.2	20.2	ug/L	2.69	20.2	ug/L	2.69	13.29%
Mg 279.077†	11326.3	1040	ug/L	13.0	1040	ug/L	13.0	1.25%
QC value within limits for Mg 279.077 Recovery = 103.65%								
Mn 257.610†	6200.0	10.7	ug/L	0.05	10.7	ug/L	0.05	0.47%
QC value within limits for Mn 257.610 Recovery = 106.70%								
Mo 202.031†	48.4	15.9	ug/L	0.66	15.9	ug/L	0.66	4.18%
QC value within limits for Mo 202.031 Recovery = 106.08%								
Na 589.592†	12816.4	1010	ug/L	1.4	1010	ug/L	1.4	0.14%
QC value within limits for Na 589.592 Recovery = 100.83%								
Ni 231.604†	207.6	20.9	ug/L	0.12	20.9	ug/L	0.12	0.59%
QC value within limits for Ni 231.604 Recovery = 104.29%								
Pb 220.353†	40.2	26.9	ug/L	1.88	26.9	ug/L	1.88	6.97%
QC value within limits for Pb 220.353 Recovery = 107.65%								
Sb 206.836†	93.9	48.1	ug/L	2.03	48.1	ug/L	2.03	4.23%
QC value within limits for Sb 206.836 Recovery = 96.11%								
Se 196.026†	26.5	30.7	ug/L	3.13	30.7	ug/L	3.13	10.20%
QC value within limits for Se 196.026 Recovery = 102.44%								
Sn 189.927†	13.0	8.47	ug/L	1.246	8.47	ug/L	1.246	14.72%
QC value within limits for Sn 189.927 Recovery = 84.67%								
Sr 421.552†	4210.2	5.00	ug/L	0.044	5.00	ug/L	0.044	0.89%
QC value within limits for Sr 421.552 Recovery = 100.01%								
Ti 334.940†	2558.4	5.11	ug/L	0.088	5.11	ug/L	0.088	1.72%
QC value within limits for Ti 334.940 Recovery = 102.25%								
Tl 190.801†	81.7	63.2	ug/L	2.80	63.2	ug/L	2.80	4.44%
QC value within limits for Tl 190.801 Recovery = 105.25%								
V 292.402†	303.3	10.4	ug/L	0.13	10.4	ug/L	0.13	1.21%
QC value within limits for V 292.402 Recovery = 104.47%								
Zn 206.200†	296.5	23.0	ug/L	0.19	23.0	ug/L	0.19	0.82%
QC value within limits for Zn 206.200 Recovery = 115.07%								

All analyte(s) passed QC.

Sequence No.: 10 **Autosampler Location: 7**
Sample ID: ICSA **Date Collected: 6/22/2007 11:45:41 AM**
Analyst: **Data Type: Reprocessed on 6/22/2007 12:00:24 PM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1554822.7	93.1	%	0.29				0.31%
Sc Radial	207171.0	94.9	%	0.40				0.42%
Ag 328.068†	-1524.6	0.190	ug/L	0.0969	0.190	ug/L	0.0969	51.13%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	752008.0	250000	ug/L	1790.8	250000	ug/L	1790.8	0.72%
QC value within limits for Al 308.215 Recovery = 99.88%								
As 188.979†	-15.3	-2.12	ug/L	1.264	-2.12	ug/L	1.264	59.48%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-406.0	0.820	ug/L	0.2049	0.820	ug/L	0.2049	25.00%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	1798.3	0.719	ug/L	0.2586	0.719	ug/L	0.2586	35.98%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	2826659.2	241000	ug/L	2059.3	241000	ug/L	2059.3	0.86%
QC value within limits for Ca 315.887 Recovery = 96.31%								
Cd 226.502†	313.5	0.475	ug/L	1.1675	0.475	ug/L	1.1675	246.01%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	135.1	-0.844	ug/L	0.4554	-0.844	ug/L	0.4554	53.92%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	18.9	-1.82	ug/L	0.430	-1.82	ug/L	0.430	23.65%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-2762.7	-0.862	ug/L	0.0628	-0.862	ug/L	0.0628	7.29%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	3293132.2	216000	ug/L	1618.7	216000	ug/L	1618.7	0.75%
QC value within limits for Fe 259.939 Recovery = 95.86%								
K 766.490†	-52.6	-16.4	ug/L	8.98	-16.4	ug/L	8.98	54.86%
Li 460.286†	19145.9	158	ug/L	1.6	158	ug/L	1.6	1.01%
Mg 279.077†	2726732.8	249000	ug/L	1175.8	249000	ug/L	1175.8	0.47%
QC value within limits for Mg 279.077 Recovery = 99.78%								
Mn 257.610†	4874.1	-0.250	ug/L	0.0556	-0.250	ug/L	0.0556	22.20%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-54.4	-4.68	ug/L	4.291	-4.68	ug/L	4.291	91.70%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	453.7	20.7	ug/L	1.74	20.7	ug/L	1.74	8.43%
Ni 231.604†	42.6	0.100	ug/L	0.4743	0.100	ug/L	0.4743	476.14%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-2.0	-4.72	ug/L	4.259	-4.72	ug/L	4.259	90.22%
QC value less than the lower limit for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	38.9	0.825	ug/L	1.0864	0.825	ug/L	1.0864	131.71%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-58.5	11.2	ug/L	7.23	11.2	ug/L	7.23	64.25%
QC value greater than the upper limit for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-9.7	-3.02	ug/L	2.953	-3.02	ug/L	2.953	97.74%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	2601.0	-1.56	ug/L	0.052	-1.56	ug/L	0.052	3.34%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	93.1	0.214	ug/L	0.0256	0.214	ug/L	0.0256	11.94%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	21.3	1.80	ug/L	8.005	1.80	ug/L	8.005	445.95%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-663.2	1.75	ug/L	0.241	1.75	ug/L	0.241	13.79%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	139.5	0.994	ug/L	0.7178	0.994	ug/L	0.7178	72.20%
QC value within limits for Zn 206.200 Recovery = Not calculated								

QC Failed. Continue with analysis.

Sequence No.: 11 **Autosampler Location: 7**
Sample ID: ICSA **Date Collected: 6/22/2007 11:53:34 AM**
Analyst: **Data Type: Reprocessed on 6/22/2007 12:00:25 PM**

Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1545895.8	92.5	%	0.42				0.46%
Sc Radial	204885.1	93.8	%	0.34				0.36%
Ag 328.068†	-1594.2	-0.198	ug/L	0.2289	-0.198	ug/L	0.2289	115.52%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	761302.9	253000	ug/L	1746.4	253000	ug/L	1746.4	0.69%
QC value within limits for Al 308.215 Recovery = 101.11%								
As 188.979†	-16.0	-2.50	ug/L	4.064	-2.50	ug/L	4.064	162.56%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-400.9	0.920	ug/L	0.1084	0.920	ug/L	0.1084	11.78%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	1797.0	0.584	ug/L	0.4277	0.584	ug/L	0.4277	73.26%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	2863961.3	244000	ug/L	1205.2	244000	ug/L	1205.2	0.49%
QC value within limits for Ca 315.887 Recovery = 97.58%								
Cd 226.502†	310.6	-0.425	ug/L	0.7005	-0.425	ug/L	0.7005	164.86%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	132.5	-1.05	ug/L	0.308	-1.05	ug/L	0.308	29.37%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	50.0	-0.864	ug/L	0.8283	-0.864	ug/L	0.8283	95.86%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-2720.3	-0.616	ug/L	0.1230	-0.616	ug/L	0.1230	19.96%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	3337895.6	219000	ug/L	1557.6	219000	ug/L	1557.6	0.71%
QC value within limits for Fe 259.939 Recovery = 97.17%								
K 766.490†	35.8	1.45	ug/L	2.724	1.45	ug/L	2.724	187.43%
Li 460.286†	19199.5	147	ug/L	7.9	147	ug/L	7.9	5.38%
Mg 279.077†	2754951.3	252000	ug/L	889.0	252000	ug/L	889.0	0.35%
QC value within limits for Mg 279.077 Recovery = 100.81%								
Mn 257.610†	4898.6	-0.296	ug/L	0.0340	-0.296	ug/L	0.0340	11.48%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-51.9	-3.69	ug/L	0.612	-3.69	ug/L	0.612	16.57%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	399.4	16.4	ug/L	3.45	16.4	ug/L	3.45	21.07%
Ni 231.604†	48.4	0.618	ug/L	2.0616	0.618	ug/L	2.0616	333.80%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	8.1	2.25	ug/L	7.827	2.25	ug/L	7.827	347.31%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	35.5	-1.29	ug/L	3.628	-1.29	ug/L	3.628	280.76%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-71.5	-3.42	ug/L	9.322	-3.42	ug/L	9.322	272.52%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-5.3	0.258	ug/L	1.2166	0.258	ug/L	1.2166	471.32%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	2648.8	-1.56	ug/L	0.047	-1.56	ug/L	0.047	3.02%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	86.4	0.201	ug/L	0.0334	0.201	ug/L	0.0334	16.63%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	18.4	-0.600	ug/L	8.5542	-0.600	ug/L	8.5542	>999.9%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-679.5	1.54	ug/L	0.216	1.54	ug/L	0.216	14.02%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	132.4	0.348	ug/L	1.6058	0.348	ug/L	1.6058	461.87%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

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Analysis Begun

Start Time: 6/22/2007 12:00:34 PM **Plasma On Time: 6/22/2007 8:05:50 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\administrator\Sample Information\062207A.sif
Batch ID: 062207A
Results Data Set: 062207A
Results Library: D:\pe\administrator\Results\Results.mdb
User canceled analysis.

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Analysis Begun

Start Time: 6/22/2007 12:00:48 PM **Plasma On Time: 6/22/2007 8:05:50 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\administrator\Sample Information\062207A.sif
Batch ID: 062207A
Results Data Set: 062207A
Results Library: D:\pe\administrator\Results\Results.mdb

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Sequence No.: 6 **Autosampler Location: 8**
Sample ID: ICSAB **Date Collected: 6/22/2007 12:00:48 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1556078.8	93.2	%	0.23				0.25%
Sc Radial	207278.4	94.9	%	0.49				0.52%
Ag 328.068†	24023.8	203	ug/L	1.2	203	ug/L	1.2	0.57%
QC value within limits for Ag 328.068 Recovery = 101.44%								
Al 308.215†	759348.5	252000	ug/L	3102.8	252000	ug/L	3102.8	1.23%
QC value within limits for Al 308.215 Recovery = 100.85%								
As 188.979†	108.7	103	ug/L	0.8	103	ug/L	0.8	0.78%
QC value within limits for As 188.979 Recovery = 103.19%								
Ba 233.527†	58566.8	505	ug/L	2.2	505	ug/L	2.2	0.44%
QC value within limits for Ba 233.527 Recovery = 100.95%								
Be 234.861†	100063.9	549	ug/L	2.0	549	ug/L	2.0	0.37%
QC value within limits for Be 234.861 Recovery = 109.79%								
Ca 315.887†	2855592.1	243000	ug/L	2940.5	243000	ug/L	2940.5	1.21%
QC value within limits for Ca 315.887 Recovery = 97.29%								
Cd 226.502†	8020.5	994	ug/L	6.2	994	ug/L	6.2	0.63%
QC value within limits for Cd 226.502 Recovery = 99.36%								
Co 228.616†	11102.7	484	ug/L	2.6	484	ug/L	2.6	0.53%
QC value within limits for Co 228.616 Recovery = 96.77%								
Cr 267.716†	15733.2	498	ug/L	3.0	498	ug/L	3.0	0.60%
QC value within limits for Cr 267.716 Recovery = 99.55%								
Cu 324.752†	163760.4	523	ug/L	4.0	523	ug/L	4.0	0.76%
QC value within limits for Cu 324.752 Recovery = 104.63%								
Fe 259.939†	3318379.9	217000	ug/L	3146.0	217000	ug/L	3146.0	1.45%
QC value within limits for Fe 259.939 Recovery = 96.60%								
K 766.490†	-87.1	-23.3	ug/L	2.83	-23.3	ug/L	2.83	12.13%
Li 460.286†	35878.0	1210	ug/L	21.3	1210	ug/L	21.3	1.76%
Mg 279.077†	2738018.5	250000	ug/L	2105.8	250000	ug/L	2105.8	0.84%
QC value within limits for Mg 279.077 Recovery = 100.19%								
Mn 257.610†	284624.2	498	ug/L	0.1	498	ug/L	0.1	0.03%
QC value within limits for Mn 257.610 Recovery = 99.56%								
Mo 202.031†	1534.0	522	ug/L	5.2	522	ug/L	5.2	0.99%
QC value within limits for Mo 202.031 Recovery = 104.48%								
Na 589.592†	280.7	6.88	ug/L	2.095	6.88	ug/L	2.095	30.46%
Ni 231.604†	9683.3	953	ug/L	4.3	953	ug/L	4.3	0.46%
QC value within limits for Ni 231.604 Recovery = 95.27%								

Pb 220.353†	66.7	45.5 ug/L	8.54	45.5 ug/L	8.54	18.76%
QC value within limits for Pb 220.353 Recovery = 91.07%						
Sb 206.836†	1190.4	650 ug/L	2.7	650 ug/L	2.7	0.41%
QC value within limits for Sb 206.836 Recovery = 108.26%						
Se 196.026†	-19.3	58.9 ug/L	15.56	58.9 ug/L	15.56	26.43%
QC value within limits for Se 196.026 Recovery = 117.75%						
Sn 189.927†	766.0	566 ug/L	7.2	566 ug/L	7.2	1.28%
QC value within limits for Sn 189.927 Recovery = 113.10%						
Sr 421.552†	431174.3	494 ug/L	6.2	494 ug/L	6.2	1.25%
QC value within limits for Sr 421.552 Recovery = 98.82%						
Ti 334.940†	247782.6	492 ug/L	3.0	492 ug/L	3.0	0.62%
QC value within limits for Ti 334.940 Recovery = 98.46%						
Tl 190.801†	157.8	85.7 ug/L	10.16	85.7 ug/L	10.16	11.85%
QC value within limits for Tl 190.801 Recovery = 85.71%						
V 292.402†	14600.3	517 ug/L	4.7	517 ug/L	4.7	0.91%
QC value within limits for V 292.402 Recovery = 103.47%						
Zn 206.200†	13188.1	1010 ug/L	7.2	1010 ug/L	7.2	0.71%
QC value within limits for Zn 206.200 Recovery = 101.31%						

All analyte(s) passed QC.

Sequence No.: 7 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 6/22/2007 12:05:08 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1628048.6	97.5	%	0.31				0.32%
Sc Radial	216850.2	99.3	%	0.49				0.49%
Ag 328.068†	63508.9	505	ug/L	3.2	505	ug/L	3.2	0.64%
QC value within limits for Ag 328.068 Recovery = 101.08%								
Al 308.215†	75512.6	25100	ug/L	22.8	25100	ug/L	22.8	0.09%
QC value within limits for Al 308.215 Recovery = 100.29%								
As 188.979†	644.7	534	ug/L	11.6	534	ug/L	11.6	2.17%
QC value within limits for As 188.979 Recovery = 106.88%								
Ba 233.527†	60762.2	520	ug/L	3.5	520	ug/L	3.5	0.68%
QC value within limits for Ba 233.527 Recovery = 103.98%								
Be 234.861†	93655.7	521	ug/L	0.9	521	ug/L	0.9	0.16%
QC value within limits for Be 234.861 Recovery = 104.17%								
Ca 315.887†	297301.3	25300	ug/L	17.4	25300	ug/L	17.4	0.07%
QC value within limits for Ca 315.887 Recovery = 101.31%								
Cd 226.502†	4080.3	521	ug/L	8.8	521	ug/L	8.8	1.69%
QC value within limits for Cd 226.502 Recovery = 104.10%								
Co 228.616†	12138.2	535	ug/L	5.6	535	ug/L	5.6	1.05%
QC value within limits for Co 228.616 Recovery = 107.04%								
Cr 267.716†	16378.6	520	ug/L	4.0	520	ug/L	4.0	0.77%
QC value within limits for Cr 267.716 Recovery = 103.95%								
Cu 324.752†	156497.7	493	ug/L	3.3	493	ug/L	3.3	0.68%
QC value within limits for Cu 324.752 Recovery = 98.67%								
Fe 259.939†	622918.6	40800	ug/L	12.5	40800	ug/L	12.5	0.03%
QC value within limits for Fe 259.939 Recovery = 102.00%								
K 766.490†	122809.2	24700	ug/L	37.2	24700	ug/L	37.2	0.15%
QC value within limits for K 766.490 Recovery = 98.95%								
Li 460.286†	80653.8	4940	ug/L	26.6	4940	ug/L	26.6	0.54%
Mg 279.077†	278894.1	25500	ug/L	96.5	25500	ug/L	96.5	0.38%
QC value within limits for Mg 279.077 Recovery = 102.11%								
Mn 257.610†	291225.5	517	ug/L	2.1	517	ug/L	2.1	0.41%
QC value within limits for Mn 257.610 Recovery = 103.46%								
Mo 202.031†	1614.3	538	ug/L	9.6	538	ug/L	9.6	1.78%
QC value within limits for Mo 202.031 Recovery = 107.60%								
Na 589.592†	311075.7	24800	ug/L	26.1	24800	ug/L	26.1	0.11%
QC value within limits for Na 589.592 Recovery = 99.34%								
Ni 231.604†	5216.4	515	ug/L	8.3	515	ug/L	8.3	1.61%
QC value within limits for Ni 231.604 Recovery = 102.99%								
Pb 220.353†	764.1	527	ug/L	9.2	527	ug/L	9.2	1.74%
QC value within limits for Pb 220.353 Recovery = 105.31%								
Sb 206.836†	961.7	535	ug/L	13.0	535	ug/L	13.0	2.44%
QC value within limits for Sb 206.836 Recovery = 107.02%								
Se 196.026†	426.0	532	ug/L	8.4	532	ug/L	8.4	1.59%
QC value within limits for Se 196.026 Recovery = 106.42%								
Sn 189.927†	589.2	431	ug/L	7.7	431	ug/L	7.7	1.78%
QC value within limits for Sn 189.927 Recovery = 107.81%								
Sr 421.552†	346292.4	400	ug/L	0.1	400	ug/L	0.1	0.04%
QC value within limits for Sr 421.552 Recovery = 100.04%								
Ti 334.940†	205011.0	407	ug/L	0.6	407	ug/L	0.6	0.15%
QC value within limits for Ti 334.940 Recovery = 101.83%								
Tl 190.801†	719.1	505	ug/L	13.3	505	ug/L	13.3	2.63%
QC value within limits for Tl 190.801 Recovery = 101.02%								
V 292.402†	15392.3	525	ug/L	4.6	525	ug/L	4.6	0.88%
QC value within limits for V 292.402 Recovery = 104.91%								
Zn 206.200†	6998.4	543	ug/L	9.9	543	ug/L	9.9	1.82%
QC value within limits for Zn 206.200 Recovery = 108.55%								

All analyte(s) passed QC.

Sequence No.: 8 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 6/22/2007 12:09:08 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1656563.3	99.2	%	0.59				0.60%
Sc Radial	214196.1	98.1	%	0.56				0.57%
Ag 328.068†	7.1	0.274	ug/L	0.2251	0.274	ug/L	0.2251	82.13%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	11.0	3.66	ug/L	0.991	3.66	ug/L	0.991	27.10%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	2.6	1.23	ug/L	3.919	1.23	ug/L	3.919	317.65%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-4.9	0.008	ug/L	0.0179	0.008	ug/L	0.0179	221.74%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-8.0	0.004	ug/L	0.0163	0.004	ug/L	0.0163	456.50%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	5.6	4.26	ug/L	1.592	4.26	ug/L	1.592	37.38%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	-1.5	-0.102	ug/L	0.4560	-0.102	ug/L	0.4560	447.02%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-1.8	-0.363	ug/L	0.2395	-0.363	ug/L	0.2395	65.92%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	9.0	-0.150	ug/L	0.1306	-0.150	ug/L	0.1306	86.79%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-74.2	-0.608	ug/L	0.2187	-0.608	ug/L	0.2187	35.98%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	-10.0	-1.42	ug/L	0.479	-1.42	ug/L	0.479	33.71%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-48.5	-15.5	ug/L	3.14	-15.5	ug/L	3.14	20.24%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	14.6	3.09	ug/L	2.458	3.09	ug/L	2.458	79.66%
Mg 279.077†	5.4	1.34	ug/L	0.524	1.34	ug/L	0.524	38.94%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-4.1	-0.341	ug/L	0.0113	-0.341	ug/L	0.0113	3.32%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-2.4	-0.958	ug/L	2.2769	-0.958	ug/L	2.2769	237.58%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-31.5	-18.1	ug/L	0.50	-18.1	ug/L	0.50	2.77%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-0.6	0.286	ug/L	0.4416	0.286	ug/L	0.4416	154.22%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	3.0	1.03	ug/L	0.137	1.03	ug/L	0.137	13.31%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	5.1	-1.90	ug/L	2.483	-1.90	ug/L	2.483	130.38%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	2.6	1.61	ug/L	2.400	1.61	ug/L	2.400	148.75%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	0.6	-0.640	ug/L	1.6810	-0.640	ug/L	1.6810	262.50%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	38.9	0.196	ug/L	0.0266	0.196	ug/L	0.0266	13.58%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	19.3	0.068	ug/L	0.0415	0.068	ug/L	0.0415	61.17%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-2.6	2.74	ug/L	3.169	2.74	ug/L	3.169	115.61%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-4.8	-0.022	ug/L	0.0368	-0.022	ug/L	0.0368	169.88%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	0.0	0.052	ug/L	0.3620	0.052	ug/L	0.3620	696.47%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 9 **Autosampler Location: 38**
Sample ID: 244743 **Date Collected: 6/22/2007 12:13:33 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 244743

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1629133.8	97.5	%	0.17				0.17%
Sc Radial	213121.0	97.6	%	0.85				0.88%
Ag 328.068†	-15.5	0.096	ug/L	0.2158	0.096	ug/L	0.2158	225.32%
Al 308.215†	28.3	9.39	ug/L	3.698	9.39	ug/L	3.698	39.39%
As 188.979†	3.5	1.96	ug/L	1.758	1.96	ug/L	1.758	89.65%
Ba 233.527†	6.6	0.106	ug/L	0.0431	0.106	ug/L	0.0431	40.62%
Be 234.861†	-3.8	0.027	ug/L	0.0287	0.027	ug/L	0.0287	107.39%
Ca 315.887†	484.8	45.1	ug/L	1.38	45.1	ug/L	1.38	3.07%
Cd 226.502†	-1.6	-0.113	ug/L	0.3979	-0.113	ug/L	0.3979	353.45%
Co 228.616†	3.5	-0.131	ug/L	0.1291	-0.131	ug/L	0.1291	98.20%
Cr 267.716†	8.5	-0.167	ug/L	0.2215	-0.167	ug/L	0.2215	132.31%
Cu 324.752†	324.3	0.648	ug/L	0.1386	0.648	ug/L	0.1386	21.40%
Fe 259.939†	114.1	6.71	ug/L	0.179	6.71	ug/L	0.179	2.67%
K 766.490†	306.6	56.0	ug/L	4.68	56.0	ug/L	4.68	8.36%
Li 460.286†	33.3	4.24	ug/L	3.025	4.24	ug/L	3.025	71.40%
Mg 279.077†	45.3	5.00	ug/L	0.307	5.00	ug/L	0.307	6.14%
Mn 257.610†	194.2	0.012	ug/L	0.0184	0.012	ug/L	0.0184	153.94%
Mo 202.031†	-3.1	-1.17	ug/L	0.941	-1.17	ug/L	0.941	80.71%
Na 589.592†	1941675.8	155000	ug/L	1116.6	155000	ug/L	1116.6	0.72%
Ni 231.604†	-2.7	0.075	ug/L	0.2974	0.075	ug/L	0.2974	397.21%
Pb 220.353†	1.0	-0.360	ug/L	1.3273	-0.360	ug/L	1.3273	368.74%
Sb 206.836†	0.7	-4.37	ug/L	2.556	-4.37	ug/L	2.556	58.55%
Se 196.026†	0.3	-1.22	ug/L	0.690	-1.22	ug/L	0.690	56.60%
Sn 189.927†	1.1	-0.241	ug/L	2.5509	-0.241	ug/L	2.5509	>999.9%
Sr 421.552†	198.9	0.380	ug/L	0.0181	0.380	ug/L	0.0181	4.76%
Ti 334.940†	43.3	0.115	ug/L	0.0344	0.115	ug/L	0.0344	29.77%
Tl 190.801†	-0.1	4.52	ug/L	3.184	4.52	ug/L	3.184	70.47%
V 292.402†	-6.8	-0.089	ug/L	0.0895	-0.089	ug/L	0.0895	100.35%
Zn 206.200†	46.6	3.66	ug/L	0.278	3.66	ug/L	0.278	7.60%

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Sequence No.: 10
Sample ID: 244744
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 39
Date Collected: 6/22/2007 12:18:18 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 244744

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1613837.8	96.6	%	0.35				0.36%
Sc Radial	215472.4	98.7	%	0.12				0.13%
Ag 328.068†	25166.9	203	ug/L	0.3	203	ug/L	0.3	0.15%
Al 308.215†	153362.2	50900	ug/L	201.6	50900	ug/L	201.6	0.40%
As 188.979†	657.9	545	ug/L	8.7	545	ug/L	8.7	1.59%
Ba 233.527†	183339.1	1570	ug/L	0.3	1570	ug/L	0.3	0.02%
Be 234.861†	99572.2	553	ug/L	1.3	553	ug/L	1.3	0.24%
Ca 315.887†	599921.6	51100	ug/L	56.7	51100	ug/L	56.7	0.11%
Cd 226.502†	4192.6	532	ug/L	4.3	532	ug/L	4.3	0.81%
Co 228.616†	12023.8	531	ug/L	3.4	531	ug/L	3.4	0.63%
Cr 267.716†	16099.2	511	ug/L	2.7	511	ug/L	2.7	0.52%
Cu 324.752†	162329.9	512	ug/L	2.4	512	ug/L	2.4	0.48%
Fe 259.939†	785500.8	51400	ug/L	173.3	51400	ug/L	173.3	0.34%
K 766.490†	251000.3	50600	ug/L	203.7	50600	ug/L	203.7	0.40%
Li 460.286†	83965.5	5100	ug/L	6.7	5100	ug/L	6.7	0.13%
Mg 279.077†	556317.0	50900	ug/L	191.3	50900	ug/L	191.3	0.38%
Mn 257.610†	288598.7	512	ug/L	0.8	512	ug/L	0.8	0.15%
Mo 202.031†	1607.3	536	ug/L	2.2	536	ug/L	2.2	0.41%
Na 589.592†	2442882.0	195000	ug/L	512.2	195000	ug/L	512.2	0.26%
Ni 231.604†	5219.3	515	ug/L	2.2	515	ug/L	2.2	0.44%
Pb 220.353†	783.6	542	ug/L	9.6	542	ug/L	9.6	1.77%
Sb 206.836†	962.1	534	ug/L	6.5	534	ug/L	6.5	1.22%
Se 196.026†	462.7	581	ug/L	3.9	581	ug/L	3.9	0.68%
Sn 189.927†	761.1	558	ug/L	1.9	558	ug/L	1.9	0.35%
Sr 421.552†	419053.3	484	ug/L	1.5	484	ug/L	1.5	0.30%
Ti 334.940†	257185.1	511	ug/L	0.9	511	ug/L	0.9	0.18%
Tl 190.801†	756.5	531	ug/L	6.6	531	ug/L	6.6	1.24%
V 292.402†	15501.9	529	ug/L	2.4	529	ug/L	2.4	0.45%
Zn 206.200†	7221.3	559	ug/L	3.8	559	ug/L	3.8	0.67%

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Sequence No.: 11
Sample ID: 244745
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 40
Date Collected: 6/22/2007 12:22:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 244745

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1634326.8	97.8	%	0.16				0.16%
Sc Radial	216572.4	99.2	%	0.57				0.57%
Ag 328.068†	24667.4	199	ug/L	0.8	199	ug/L	0.8	0.40%
Al 308.215†	151683.9	50400	ug/L	133.6	50400	ug/L	133.6	0.27%
As 188.979†	652.0	540	ug/L	6.4	540	ug/L	6.4	1.18%
Ba 233.527†	181375.8	1550	ug/L	1.1	1550	ug/L	1.1	0.07%
Be 234.861†	98276.4	546	ug/L	1.7	546	ug/L	1.7	0.32%
Ca 315.887†	594307.9	50600	ug/L	77.9	50600	ug/L	77.9	0.15%
Cd 226.502†	4144.6	526	ug/L	1.8	526	ug/L	1.8	0.35%
Co 228.616†	11841.9	523	ug/L	3.4	523	ug/L	3.4	0.65%
Cr 267.716†	15884.4	504	ug/L	1.6	504	ug/L	1.6	0.32%
Cu 324.752†	160316.2	506	ug/L	2.3	506	ug/L	2.3	0.46%
Fe 259.939†	776452.5	50900	ug/L	66.9	50900	ug/L	66.9	0.13%
K 766.490†	249225.6	50200	ug/L	143.5	50200	ug/L	143.5	0.29%
Li 460.286†	82688.3	5020	ug/L	9.2	5020	ug/L	9.2	0.18%
Mg 279.077†	554494.4	50700	ug/L	304.1	50700	ug/L	304.1	0.60%
Mn 257.610†	285617.8	506	ug/L	1.2	506	ug/L	1.2	0.23%
Mo 202.031†	1592.4	531	ug/L	1.4	531	ug/L	1.4	0.27%
Na 589.592†	2420324.5	193000	ug/L	1202.7	193000	ug/L	1202.7	0.62%
Ni 231.604†	5148.0	508	ug/L	0.4	508	ug/L	0.4	0.09%
Pb 220.353†	775.1	536	ug/L	1.3	536	ug/L	1.3	0.25%
Sb 206.836†	969.8	539	ug/L	6.8	539	ug/L	6.8	1.27%
Se 196.026†	455.5	572	ug/L	6.8	572	ug/L	6.8	1.19%
Sn 189.927†	753.2	552	ug/L	2.2	552	ug/L	2.2	0.39%
Sr 421.552†	413957.5	478	ug/L	1.8	478	ug/L	1.8	0.37%
Ti 334.940†	254577.7	506	ug/L	1.1	506	ug/L	1.1	0.22%
Tl 190.801†	739.6	519	ug/L	0.6	519	ug/L	0.6	0.12%
V 292.402†	15301.1	522	ug/L	3.6	522	ug/L	3.6	0.68%
Zn 206.200†	7092.5	549	ug/L	0.8	549	ug/L	0.8	0.14%

Sequence No.: 12
Sample ID: 250700301
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 41
Date Collected: 6/22/2007 12:26:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250700301

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1631998.4	97.7	%	0.31				0.32%
Sc Radial	218691.7	100	%	0.3				0.33%
Ag 328.068†	-108.5	-0.459	ug/L	0.1943	-0.459	ug/L	0.1943	42.32%
Al 308.215†	809.0	269	ug/L	2.1	269	ug/L	2.1	0.78%
As 188.979†	-1.9	-4.16	ug/L	3.613	-4.16	ug/L	3.613	86.88%
Ba 233.527†	1453.4	12.8	ug/L	0.06	12.8	ug/L	0.06	0.49%
Be 234.861†	2.3	0.059	ug/L	0.0279	0.059	ug/L	0.0279	47.23%
Ca 315.887†	529882.9	45100	ug/L	69.1	45100	ug/L	69.1	0.15%
Cd 226.502†	32.8	-0.152	ug/L	0.2320	-0.152	ug/L	0.2320	152.61%
Co 228.616†	4.3	-0.084	ug/L	0.2904	-0.084	ug/L	0.2904	344.34%
Cr 267.716†	22.3	0.276	ug/L	0.2223	0.276	ug/L	0.2223	80.68%
Cu 324.752†	3245.4	10.5	ug/L	0.26	10.5	ug/L	0.26	2.46%
Fe 259.939†	711.1	45.8	ug/L	0.78	45.8	ug/L	0.78	1.71%
K 766.490†	732.6	142	ug/L	4.7	142	ug/L	4.7	3.29%
Li 460.286†	-43.3	-3.48	ug/L	3.757	-3.48	ug/L	3.757	108.05%
Mg 279.077†	6386.0	585	ug/L	1.9	585	ug/L	1.9	0.33%
Mn 257.610†	4606.0	7.85	ug/L	0.055	7.85	ug/L	0.055	0.70%
Mo 202.031†	-10.0	-3.47	ug/L	1.364	-3.47	ug/L	1.364	39.32%
Na 589.592†	1770945.1	141000	ug/L	341.7	141000	ug/L	341.7	0.24%
Ni 231.604†	-5.7	-0.222	ug/L	0.4971	-0.222	ug/L	0.4971	224.02%
Pb 220.353†	-1.3	3.21	ug/L	2.944	3.21	ug/L	2.944	91.60%
Sb 206.836†	26.0	7.04	ug/L	3.769	7.04	ug/L	3.769	53.57%
Se 196.026†	-3.2	-5.48	ug/L	2.926	-5.48	ug/L	2.926	53.38%
Sn 189.927†	-7.6	-5.70	ug/L	3.137	-5.70	ug/L	3.137	54.99%
Sr 421.552†	86972.9	99.9	ug/L	0.33	99.9	ug/L	0.33	0.33%
Ti 334.940†	217.3	0.461	ug/L	0.0594	0.461	ug/L	0.0594	12.89%
Tl 190.801†	8.2	10.5	ug/L	4.90	10.5	ug/L	4.90	46.67%
V 292.402†	7.3	0.365	ug/L	0.3085	0.365	ug/L	0.3085	84.47%
Zn 206.200†	468.5	36.6	ug/L	0.38	36.6	ug/L	0.38	1.04%

Sequence No.: 13
Sample ID: 250700301L
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 42
Date Collected: 6/22/2007 12:31:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250700301L

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1618161.9	96.9	%	0.27				0.28%
Sc Radial	214183.1	98.1	%	0.27				0.27%
Ag 328.068†	-36.0	-0.029	ug/L	0.0728	-0.147	ug/L	0.3639	247.37%
Al 308.215†	172.0	57.1	ug/L	2.49	285	ug/L	12.5	4.37%
As 188.979†	0.7	-0.736	ug/L	1.3659	-3.68	ug/L	6.830	185.60%
Ba 233.527†	311.6	2.78	ug/L	0.049	13.9	ug/L	0.24	1.74%
Be 234.861†	15.0	0.132	ug/L	0.0032	0.658	ug/L	0.0162	2.47%
Ca 315.887†	110591.9	9420	ug/L	9.8	47100	ug/L	49.0	0.10%
Cd 226.502†	8.4	0.247	ug/L	0.2996	1.24	ug/L	1.498	121.23%
Co 228.616†	7.0	0.030	ug/L	0.1636	0.149	ug/L	0.8182	550.20%
Cr 267.716†	7.5	-0.198	ug/L	0.2825	-0.990	ug/L	1.4124	142.63%
Cu 324.752†	859.6	2.47	ug/L	0.069	12.4	ug/L	0.35	2.81%
Fe 259.939†	113.5	6.67	ug/L	0.383	33.4	ug/L	1.92	5.75%
K 766.490†	155.0	25.5	ug/L	6.30	127	ug/L	31.5	24.72%
Li 460.286†	-19.5	0.325	ug/L	2.2328	1.62	ug/L	11.164	687.53%
Mg 279.077†	1313.3	121	ug/L	1.0	605	ug/L	4.8	0.80%
Mn 257.610†	1022.8	1.48	ug/L	0.008	7.42	ug/L	0.040	0.54%
Mo 202.031†	-3.1	-1.17	ug/L	1.117	-5.85	ug/L	5.583	95.43%
Na 589.592†	371145.8	29600	ug/L	119.7	148000	ug/L	598.5	0.40%
Ni 231.604†	0.7	0.409	ug/L	0.5066	2.05	ug/L	2.533	123.81%
Pb 220.353†	1.3	0.898	ug/L	4.6320	4.49	ug/L	23.160	515.91%
Sb 206.836†	7.4	-1.18	ug/L	1.740	-5.92	ug/L	8.702	146.94%
Se 196.026†	-0.6	-2.31	ug/L	1.357	-11.5	ug/L	6.79	58.80%
Sn 189.927†	0.0	-0.866	ug/L	2.0356	-4.33	ug/L	10.178	235.13%
Sr 421.552†	18050.7	20.8	ug/L	0.08	104	ug/L	0.4	0.39%
Ti 334.940†	8.3	0.046	ug/L	0.0577	0.229	ug/L	0.2884	125.75%
Tl 190.801†	-3.9	1.80	ug/L	4.047	9.01	ug/L	20.233	224.55%
V 292.402†	-0.7	0.115	ug/L	0.2835	0.575	ug/L	1.4174	246.53%
Zn 206.200†	102.6	8.06	ug/L	0.580	40.3	ug/L	2.90	7.20%

Sequence No.: 14
Sample ID: 244746
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 43
Date Collected: 6/22/2007 12:36:09 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 244746

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1603106.9	96.0	%	0.35				0.36%
Sc Radial	213419.6	97.7	%	0.70				0.72%
Ag 328.068†	25184.6	203	ug/L	0.4	203	ug/L	0.4	0.18%
Al 308.215†	154754.3	51400	ug/L	87.8	51400	ug/L	87.8	0.17%
As 188.979†	655.0	541	ug/L	1.4	541	ug/L	1.4	0.25%
Ba 233.527†	183725.5	1570	ug/L	1.3	1570	ug/L	1.3	0.09%
Be 234.861†	99698.7	554	ug/L	0.8	554	ug/L	0.8	0.14%
Ca 315.887†	1130803.7	96300	ug/L	205.6	96300	ug/L	205.6	0.21%
Cd 226.502†	4196.7	528	ug/L	2.9	528	ug/L	2.9	0.55%
Co 228.616†	11840.7	523	ug/L	1.2	523	ug/L	1.2	0.24%
Cr 267.716†	16098.9	511	ug/L	1.5	511	ug/L	1.5	0.29%
Cu 324.752†	169284.9	535	ug/L	0.2	535	ug/L	0.2	0.04%
Fe 259.939†	782518.5	51300	ug/L	200.2	51300	ug/L	200.2	0.39%
K 766.490†	253188.5	51000	ug/L	57.7	51000	ug/L	57.7	0.11%
Li 460.286†	83572.6	5070	ug/L	6.7	5070	ug/L	6.7	0.13%
Mg 279.077†	562656.3	51500	ug/L	458.1	51500	ug/L	458.1	0.89%
Mn 257.610†	292514.1	519	ug/L	0.3	519	ug/L	0.3	0.06%
Mo 202.031†	1613.5	538	ug/L	1.9	538	ug/L	1.9	0.35%
Na 589.592†	2442391.0	195000	ug/L	2248.3	195000	ug/L	2248.3	1.15%
Ni 231.604†	5165.4	510	ug/L	2.1	510	ug/L	2.1	0.41%
Pb 220.353†	777.9	543	ug/L	4.6	543	ug/L	4.6	0.84%
Sb 206.836†	964.1	533	ug/L	6.0	533	ug/L	6.0	1.13%
Se 196.026†	454.2	571	ug/L	4.5	571	ug/L	4.5	0.78%
Sn 189.927†	757.1	556	ug/L	5.9	556	ug/L	5.9	1.06%
Sr 421.552†	506481.6	584	ug/L	0.2	584	ug/L	0.2	0.04%
Ti 334.940†	258628.5	514	ug/L	0.7	514	ug/L	0.7	0.13%
Tl 190.801†	737.4	517	ug/L	5.4	517	ug/L	5.4	1.04%
V 292.402†	15626.4	533	ug/L	2.3	533	ug/L	2.3	0.43%
Zn 206.200†	7486.9	580	ug/L	1.8	580	ug/L	1.8	0.32%

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Sequence No.: 15
Sample ID: 244747
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 44
Date Collected: 6/22/2007 12:40:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 244747

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1602038.5	95.9	%	0.38				0.39%
Sc Radial	214550.5	98.3	%	0.29				0.30%
Ag 328.068†	25141.9	203	ug/L	1.4	203	ug/L	1.4	0.70%
Al 308.215†	152902.1	50800	ug/L	38.1	50800	ug/L	38.1	0.08%
As 188.979†	640.2	529	ug/L	2.7	529	ug/L	2.7	0.52%
Ba 233.527†	181279.8	1550	ug/L	3.4	1550	ug/L	3.4	0.22%
Be 234.861†	98485.7	547	ug/L	2.7	547	ug/L	2.7	0.50%
Ca 315.887†	1114835.0	95000	ug/L	90.2	95000	ug/L	90.2	0.09%
Cd 226.502†	4108.0	516	ug/L	4.4	516	ug/L	4.4	0.85%
Co 228.616†	11754.9	519	ug/L	1.9	519	ug/L	1.9	0.36%
Cr 267.716†	15939.7	506	ug/L	1.4	506	ug/L	1.4	0.28%
Cu 324.752†	166533.5	526	ug/L	1.4	526	ug/L	1.4	0.27%
Fe 259.939†	774899.6	50800	ug/L	73.0	50800	ug/L	73.0	0.14%
K 766.490†	250672.9	50500	ug/L	73.3	50500	ug/L	73.3	0.15%
Li 460.286†	82521.1	5010	ug/L	2.6	5010	ug/L	2.6	0.05%
Mg 279.077†	553117.7	50600	ug/L	259.6	50600	ug/L	259.6	0.51%
Mn 257.610†	289467.5	513	ug/L	0.9	513	ug/L	0.9	0.18%
Mo 202.031†	1584.8	529	ug/L	6.2	529	ug/L	6.2	1.17%
Na 589.592†	2416469.8	193000	ug/L	1326.0	193000	ug/L	1326.0	0.69%
Ni 231.604†	5085.8	502	ug/L	4.2	502	ug/L	4.2	0.84%
Pb 220.353†	765.9	535	ug/L	2.4	535	ug/L	2.4	0.45%
Sb 206.836†	965.6	533	ug/L	4.4	533	ug/L	4.4	0.82%
Se 196.026†	452.4	568	ug/L	1.6	568	ug/L	1.6	0.28%
Sn 189.927†	745.4	547	ug/L	3.6	547	ug/L	3.6	0.65%
Sr 421.552†	500355.1	577	ug/L	0.7	577	ug/L	0.7	0.12%
Ti 334.940†	256422.6	509	ug/L	0.3	509	ug/L	0.3	0.07%
Tl 190.801†	733.2	515	ug/L	8.8	515	ug/L	8.8	1.72%
V 292.402†	15485.0	529	ug/L	2.3	529	ug/L	2.3	0.43%
Zn 206.200†	7324.3	567	ug/L	4.3	567	ug/L	4.3	0.75%

Sequence No.: 16
Sample ID: 250700301A
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 45
Date Collected: 6/22/2007 12:44:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250700301A

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1619813.9	97.0	%	0.36				0.38%
Sc Radial	215971.9	98.9	%	0.64				0.65%
Ag 328.068†	25511.2	205	ug/L	10.8	205	ug/L	10.8	5.25%
Al 308.215†	149592.1	49700	ug/L	192.1	49700	ug/L	192.1	0.39%
As 188.979†	593.6	491	ug/L	3.1	491	ug/L	3.1	0.64%
Ba 233.527†	176124.0	1510	ug/L	3.6	1510	ug/L	3.6	0.24%
Be 234.861†	95997.0	534	ug/L	1.6	534	ug/L	1.6	0.30%
Ca 315.887†	1082264.7	92200	ug/L	465.5	92200	ug/L	465.5	0.50%
Cd 226.502†	3987.1	501	ug/L	1.6	501	ug/L	1.6	0.32%
Co 228.616†	11431.4	505	ug/L	2.6	505	ug/L	2.6	0.52%
Cr 267.716†	15660.9	497	ug/L	2.8	497	ug/L	2.8	0.57%
Cu 324.752†	160463.6	507	ug/L	2.0	507	ug/L	2.0	0.39%
Fe 259.939†	757045.3	49600	ug/L	90.2	49600	ug/L	90.2	0.18%
K 766.490†	244604.7	49300	ug/L	238.9	49300	ug/L	238.9	0.48%
Li 460.286†	80941.9	4910	ug/L	7.4	4910	ug/L	7.4	0.15%
Mg 279.077†	544037.5	49800	ug/L	386.7	49800	ug/L	386.7	0.78%
Mn 257.610†	280338.2	497	ug/L	1.0	497	ug/L	1.0	0.20%
Mo 202.031†	1533.4	512	ug/L	2.9	512	ug/L	2.9	0.56%
Na 589.592†	2334632.6	186000	ug/L	2196.9	186000	ug/L	2196.9	1.18%
Ni 231.604†	4943.4	488	ug/L	2.0	488	ug/L	2.0	0.42%
Pb 220.353†	741.5	518	ug/L	2.2	518	ug/L	2.2	0.43%
Sb 206.836†	910.9	503	ug/L	3.4	503	ug/L	3.4	0.67%
Se 196.026†	434.3	546	ug/L	4.4	546	ug/L	4.4	0.81%
Sn 189.927†	721.7	530	ug/L	6.6	530	ug/L	6.6	1.25%
Sr 421.552†	485831.6	560	ug/L	1.9	560	ug/L	1.9	0.35%
Ti 334.940†	248250.5	493	ug/L	0.9	493	ug/L	0.9	0.18%
Tl 190.801†	709.8	498	ug/L	4.4	498	ug/L	4.4	0.89%
V 292.402†	15078.7	515	ug/L	3.1	515	ug/L	3.1	0.60%
Zn 206.200†	7161.4	555	ug/L	2.5	555	ug/L	2.5	0.45%

Sequence No.: 17
Sample ID: 250701401
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 46
Date Collected: 6/22/2007 12:49:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250701401

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1650157.2	98.8	%	0.51				0.52%
Sc Radial	219608.1	101	%	0.6				0.57%
Ag 328.068†	5.7	0.319	ug/L	0.0499	0.319	ug/L	0.0499	15.67%
Al 308.215†	123.6	41.0	ug/L	0.33	41.0	ug/L	0.33	0.81%
As 188.979†	4.9	2.55	ug/L	3.324	2.55	ug/L	3.324	130.29%
Ba 233.527†	748.7	6.55	ug/L	0.098	6.55	ug/L	0.098	1.49%
Be 234.861†	5.4	0.078	ug/L	0.0065	0.078	ug/L	0.0065	8.29%
Ca 315.887†	161343.4	13700	ug/L	21.9	13700	ug/L	21.9	0.16%
Cd 226.502†	16.3	0.831	ug/L	0.2351	0.831	ug/L	0.2351	28.29%
Co 228.616†	5.8	-0.024	ug/L	0.3906	-0.024	ug/L	0.3906	>999.9%
Cr 267.716†	6.9	-0.216	ug/L	0.1930	-0.216	ug/L	0.1930	89.23%
Cu 324.752†	1169.1	3.51	ug/L	0.264	3.51	ug/L	0.264	7.53%
Fe 259.939†	168.0	10.2	ug/L	0.77	10.2	ug/L	0.77	7.54%
K 766.490†	617.3	119	ug/L	5.5	119	ug/L	5.5	4.62%
Li 460.286†	11.3	2.01	ug/L	2.995	2.01	ug/L	2.995	148.90%
Mg 279.077†	2016.5	185	ug/L	1.0	185	ug/L	1.0	0.52%
Mn 257.610†	2704.5	4.48	ug/L	0.031	4.48	ug/L	0.031	0.70%
Mo 202.031†	-4.9	-1.79	ug/L	1.005	-1.79	ug/L	1.005	56.05%
Na 589.592†	1759637.2	141000	ug/L	691.8	141000	ug/L	691.8	0.49%
Ni 231.604†	2.3	0.566	ug/L	0.3909	0.566	ug/L	0.3909	69.10%
Pb 220.353†	83.8	58.4	ug/L	3.38	58.4	ug/L	3.38	5.79%
Sb 206.836†	22.4	7.00	ug/L	1.526	7.00	ug/L	1.526	21.80%
Se 196.026†	0.7	-0.674	ug/L	3.7935	-0.674	ug/L	3.7935	562.92%
Sn 189.927†	-3.6	-3.42	ug/L	1.198	-3.42	ug/L	1.198	35.05%
Sr 421.552†	15259.4	17.5	ug/L	0.03	17.5	ug/L	0.03	0.17%
Ti 334.940†	287.8	0.601	ug/L	0.1709	0.601	ug/L	0.1709	28.43%
Tl 190.801†	-0.8	4.00	ug/L	4.907	4.00	ug/L	4.907	122.79%
V 292.402†	10.1	0.469	ug/L	0.1189	0.469	ug/L	0.1189	25.36%
Zn 206.200†	67.4	5.36	ug/L	0.396	5.36	ug/L	0.396	7.37%

Sequence No.: 18
Sample ID: 250701401L
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 47
Date Collected: 6/22/2007 12:53:52 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250701401L

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1685354.8	101	%	0.2				0.24%
Sc Radial	223608.7	102	%	0.3				0.33%
Ag 328.068†	-3.7	0.200	ug/L	0.3200	0.998	ug/L	1.6001	160.34%
Al 308.215†	28.2	9.35	ug/L	0.975	46.8	ug/L	4.88	10.42%
As 188.979†	2.9	1.39	ug/L	3.123	6.93	ug/L	15.615	225.22%
Ba 233.527†	162.0	1.45	ug/L	0.026	7.27	ug/L	0.130	1.78%
Be 234.861†	20.9	0.165	ug/L	0.0222	0.825	ug/L	0.1108	13.44%
Ca 315.887†	32336.0	2760	ug/L	10.5	13800	ug/L	52.3	0.38%
Cd 226.502†	2.5	0.139	ug/L	0.2020	0.696	ug/L	1.0099	145.09%
Co 228.616†	0.7	-0.252	ug/L	0.0998	-1.26	ug/L	0.499	39.62%
Cr 267.716†	3.9	-0.311	ug/L	0.1586	-1.55	ug/L	0.793	51.09%
Cu 324.752†	257.1	0.476	ug/L	0.1065	2.38	ug/L	0.533	22.37%
Fe 259.939†	-5.0	-1.09	ug/L	0.316	-5.47	ug/L	1.580	28.90%
K 766.490†	203.1	35.2	ug/L	8.57	176	ug/L	42.8	24.37%
Li 460.286†	-54.1	-1.46	ug/L	2.698	-7.30	ug/L	13.492	184.80%
Mg 279.077†	391.0	36.6	ug/L	0.49	183	ug/L	2.5	1.35%
Mn 257.610†	498.8	0.553	ug/L	0.0061	2.77	ug/L	0.030	1.10%
Mo 202.031†	-3.6	-1.34	ug/L	2.279	-6.71	ug/L	11.394	169.84%
Na 589.592†	359549.0	28700	ug/L	135.5	144000	ug/L	677.4	0.47%
Ni 231.604†	1.1	0.449	ug/L	0.2766	2.24	ug/L	1.383	61.61%
Pb 220.353†	13.8	8.80	ug/L	1.579	44.0	ug/L	7.90	17.95%
Sb 206.836†	4.7	-2.29	ug/L	2.506	-11.4	ug/L	12.53	109.58%
Se 196.026†	-0.1	-1.74	ug/L	1.995	-8.69	ug/L	9.975	114.83%
Sn 189.927†	2.8	1.04	ug/L	2.168	5.18	ug/L	10.839	209.44%
Sr 421.552†	2921.8	3.48	ug/L	0.046	17.4	ug/L	0.23	1.34%
Ti 334.940†	28.0	0.085	ug/L	0.0216	0.425	ug/L	0.1079	25.39%
Tl 190.801†	-1.0	3.86	ug/L	1.027	19.3	ug/L	5.13	26.56%
V 292.402†	1.1	0.172	ug/L	0.0569	0.860	ug/L	0.2844	33.08%
Zn 206.200†	6.6	0.584	ug/L	0.6252	2.92	ug/L	3.126	106.96%

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Sequence No.: 19 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 6/22/2007 12:58:21 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1643229.3	98.4	%	0.71				0.72%
Sc Radial	220487.6	101	%	0.5				0.54%
Ag 328.068†	63363.6	504	ug/L	3.5	504	ug/L	3.5	0.70%
QC value within limits for Ag 328.068 Recovery = 100.85%								
Al 308.215†	74469.8	24700	ug/L	65.9	24700	ug/L	65.9	0.27%
QC value within limits for Al 308.215 Recovery = 98.91%								
As 188.979†	633.0	525	ug/L	8.6	525	ug/L	8.6	1.63%
QC value within limits for As 188.979 Recovery = 104.95%								
Ba 233.527†	59939.4	513	ug/L	3.6	513	ug/L	3.6	0.69%
QC value within limits for Ba 233.527 Recovery = 102.57%								
Be 234.861†	92532.4	515	ug/L	2.6	515	ug/L	2.6	0.50%
QC value within limits for Be 234.861 Recovery = 102.92%								
Ca 315.887†	293497.6	25000	ug/L	29.1	25000	ug/L	29.1	0.12%
QC value within limits for Ca 315.887 Recovery = 100.01%								
Cd 226.502†	4061.0	518	ug/L	3.0	518	ug/L	3.0	0.58%
QC value within limits for Cd 226.502 Recovery = 103.62%								
Co 228.616†	11840.5	522	ug/L	6.4	522	ug/L	6.4	1.23%
QC value within limits for Co 228.616 Recovery = 104.41%								
Cr 267.716†	16131.4	512	ug/L	4.9	512	ug/L	4.9	0.97%
QC value within limits for Cr 267.716 Recovery = 102.38%								
Cu 324.752†	155548.5	490	ug/L	4.7	490	ug/L	4.7	0.95%
QC value within limits for Cu 324.752 Recovery = 98.07%								
Fe 259.939†	614431.0	40200	ug/L	146.4	40200	ug/L	146.4	0.36%
QC value within limits for Fe 259.939 Recovery = 100.61%								
K 766.490†	121164.2	24400	ug/L	46.5	24400	ug/L	46.5	0.19%
QC value within limits for K 766.490 Recovery = 97.63%								
Li 460.286†	79987.4	4900	ug/L	5.5	4900	ug/L	5.5	0.11%
Mg 279.077†	273611.8	25000	ug/L	281.4	25000	ug/L	281.4	1.12%
QC value within limits for Mg 279.077 Recovery = 100.17%								
Mn 257.610†	286825.9	509	ug/L	0.5	509	ug/L	0.5	0.10%
QC value within limits for Mn 257.610 Recovery = 101.89%								
Mo 202.031†	1597.3	532	ug/L	6.5	532	ug/L	6.5	1.21%
QC value within limits for Mo 202.031 Recovery = 106.46%								
Na 589.592†	307866.0	24600	ug/L	52.2	24600	ug/L	52.2	0.21%
QC value within limits for Na 589.592 Recovery = 98.32%								
Ni 231.604†	5168.6	510	ug/L	3.2	510	ug/L	3.2	0.63%
QC value within limits for Ni 231.604 Recovery = 102.05%								
Pb 220.353†	765.8	528	ug/L	2.2	528	ug/L	2.2	0.41%
QC value within limits for Pb 220.353 Recovery = 105.54%								
Sb 206.836†	950.9	529	ug/L	6.3	529	ug/L	6.3	1.19%
QC value within limits for Sb 206.836 Recovery = 105.82%								
Se 196.026†	422.9	528	ug/L	2.2	528	ug/L	2.2	0.42%
QC value within limits for Se 196.026 Recovery = 105.62%								
Sn 189.927†	575.8	421	ug/L	2.0	421	ug/L	2.0	0.48%
QC value within limits for Sn 189.927 Recovery = 105.35%								
Sr 421.552†	344306.0	398	ug/L	4.5	398	ug/L	4.5	1.14%
QC value within limits for Sr 421.552 Recovery = 99.47%								
Ti 334.940†	202976.7	403	ug/L	1.0	403	ug/L	1.0	0.26%
QC value within limits for Ti 334.940 Recovery = 100.82%								
Tl 190.801†	723.7	509	ug/L	7.0	509	ug/L	7.0	1.38%
QC value within limits for Tl 190.801 Recovery = 101.73%								
V 292.402†	15223.3	519	ug/L	5.0	519	ug/L	5.0	0.96%
QC value within limits for V 292.402 Recovery = 103.76%								
Zn 206.200†	6878.9	533	ug/L	3.5	533	ug/L	3.5	0.65%
QC value within limits for Zn 206.200 Recovery = 106.70%								

All analyte(s) passed QC.

Sequence No.: 20 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 6/22/2007 1:02:37 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1684340.8	101	%	0.4				0.37%
Sc Radial	221164.5	101	%	0.2				0.23%
Ag 328.068†	37.8	0.517	ug/L	0.2359	0.517	ug/L	0.2359	45.65%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	5.0	1.64	ug/L	1.800	1.64	ug/L	1.800	109.53%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	2.7	1.27	ug/L	1.971	1.27	ug/L	1.971	155.71%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-0.0	0.049	ug/L	0.0520	0.049	ug/L	0.0520	105.08%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	4.5	0.074	ug/L	0.0172	0.074	ug/L	0.0172	23.28%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	-11.2	2.83	ug/L	1.952	2.83	ug/L	1.952	69.01%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	-1.9	-0.158	ug/L	0.1504	-0.158	ug/L	0.1504	95.29%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	4.5	-0.088	ug/L	0.2526	-0.088	ug/L	0.2526	288.68%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	10.2	-0.112	ug/L	0.3451	-0.112	ug/L	0.3451	306.98%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-34.9	-0.485	ug/L	0.1560	-0.485	ug/L	0.1560	32.17%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	-11.0	-1.48	ug/L	0.367	-1.48	ug/L	0.367	24.75%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-61.8	-18.2	ug/L	3.89	-18.2	ug/L	3.89	21.34%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	55.9	5.72	ug/L	3.246	5.72	ug/L	3.246	56.72%
Mg 279.077†	0.6	0.905	ug/L	0.6392	0.905	ug/L	0.6392	70.66%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-21.6	-0.372	ug/L	0.0123	-0.372	ug/L	0.0123	3.32%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	1.0	0.178	ug/L	0.4343	0.178	ug/L	0.4343	244.58%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	258.9	5.14	ug/L	0.357	5.14	ug/L	0.357	6.95%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	1.7	0.513	ug/L	0.4306	0.513	ug/L	0.4306	83.97%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	1.3	-0.155	ug/L	0.8264	-0.155	ug/L	0.8264	534.75%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	3.0	-3.08	ug/L	1.942	-3.08	ug/L	1.942	62.98%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-1.3	-3.16	ug/L	2.373	-3.16	ug/L	2.373	75.00%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	3.0	1.09	ug/L	1.306	1.09	ug/L	1.306	120.17%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	9.4	0.162	ug/L	0.0123	0.162	ug/L	0.0123	7.61%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	52.7	0.134	ug/L	0.0335	0.134	ug/L	0.0335	24.99%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	1.0	5.32	ug/L	2.738	5.32	ug/L	2.738	51.46%
QC value greater than the upper limit for Tl 190.801 Recovery = Not calculated								
V 292.402†	-2.1	0.080	ug/L	0.1030	0.080	ug/L	0.1030	128.57%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	0.5	0.087	ug/L	0.2369	0.087	ug/L	0.2369	272.36%
QC value within limits for Zn 206.200 Recovery = Not calculated								

QC Failed. Retry.

Sequence No.: 21 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 6/22/2007 1:05:36 PM**

Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1677856.0	100	%	0.3				0.26%
Sc Radial	223348.6	102	%	0.1				0.11%
Ag 328.068†	35.6	0.499	ug/L	0.0615	0.499	ug/L	0.0615	12.33%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	3.9	1.27	ug/L	0.751	1.27	ug/L	0.751	58.98%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	3.4	1.91	ug/L	2.017	1.91	ug/L	2.017	105.55%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-2.3	0.030	ug/L	0.1103	0.030	ug/L	0.1103	367.61%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	8.1	0.094	ug/L	0.0176	0.094	ug/L	0.0176	18.80%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	-5.5	3.32	ug/L	0.115	3.32	ug/L	0.115	3.47%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	-0.5	0.031	ug/L	0.4039	0.031	ug/L	0.4039	>999.9%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-0.1	-0.287	ug/L	0.2646	-0.287	ug/L	0.2646	92.30%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	9.5	-0.134	ug/L	0.1048	-0.134	ug/L	0.1048	78.10%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	13.2	-0.333	ug/L	0.2290	-0.333	ug/L	0.2290	68.79%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	-9.6	-1.39	ug/L	0.167	-1.39	ug/L	0.167	11.97%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-11.5	-8.09	ug/L	3.007	-8.09	ug/L	3.007	37.16%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	-111.3	-4.94	ug/L	4.192	-4.94	ug/L	4.192	84.81%
Mg 279.077†	2.2	1.05	ug/L	2.221	1.05	ug/L	2.221	212.01%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-31.8	-0.390	ug/L	0.0009	-0.390	ug/L	0.0009	0.22%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-2.7	-1.04	ug/L	1.675	-1.04	ug/L	1.675	160.35%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	177.9	-1.34	ug/L	2.096	-1.34	ug/L	2.096	156.95%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	3.3	0.665	ug/L	0.5093	0.665	ug/L	0.5093	76.54%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-2.1	-2.53	ug/L	1.490	-2.53	ug/L	1.490	58.95%
QC value less than the lower limit for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	8.8	0.189	ug/L	3.1092	0.189	ug/L	3.1092	>999.9%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-1.3	-3.16	ug/L	1.879	-3.16	ug/L	1.879	59.47%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	2.2	0.564	ug/L	1.4978	0.564	ug/L	1.4978	265.45%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	21.9	0.176	ug/L	0.0268	0.176	ug/L	0.0268	15.21%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	10.0	0.049	ug/L	0.0073	0.049	ug/L	0.0073	14.81%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	4.9	8.10	ug/L	1.680	8.10	ug/L	1.680	20.75%
QC value greater than the upper limit for Tl 190.801 Recovery = Not calculated								
V 292.402†	-4.8	-0.022	ug/L	0.1201	-0.022	ug/L	0.1201	538.76%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	4.7	0.412	ug/L	0.2295	0.412	ug/L	0.2295	55.77%
QC value within limits for Zn 206.200 Recovery = Not calculated								

QC Failed. Continue with analysis.

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Sequence No.: 22 **Autosampler Location: 48**
Sample ID: 250701402 **Date Collected: 6/22/2007 1:09:55 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250701402

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1641886.8	98.3	%	0.26				0.26%
Sc Radial	222386.7	102	%	0.6				0.54%
Ag 328.068†	-40.3	-0.092	ug/L	0.0127	-0.092	ug/L	0.0127	13.84%
Al 308.215†	229.3	76.1	ug/L	4.21	76.1	ug/L	4.21	5.53%
As 188.979†	1.4	0.154	ug/L	1.9266	0.154	ug/L	1.9266	>999.9%
Ba 233.527†	965.5	8.31	ug/L	0.017	8.31	ug/L	0.017	0.21%
Be 234.861†	5.3	0.077	ug/L	0.0169	0.077	ug/L	0.0169	22.05%
Ca 315.887†	22607.9	1930	ug/L	12.5	1930	ug/L	12.5	0.65%
Cd 226.502†	-0.4	-0.155	ug/L	0.0579	-0.155	ug/L	0.0579	37.28%
Co 228.616†	2.8	-0.155	ug/L	0.2042	-0.155	ug/L	0.2042	132.12%
Cr 267.716†	18.7	0.159	ug/L	0.0812	0.159	ug/L	0.0812	51.13%
Cu 324.752†	1322.9	3.82	ug/L	0.184	3.82	ug/L	0.184	4.81%
Fe 259.939†	453.7	29.0	ug/L	0.44	29.0	ug/L	0.44	1.53%
K 766.490†	686.2	132	ug/L	3.5	132	ug/L	3.5	2.61%
Li 460.286†	-117.0	-5.57	ug/L	0.974	-5.57	ug/L	0.974	17.47%
Mg 279.077†	1536.0	141	ug/L	1.7	141	ug/L	1.7	1.18%
Mn 257.610†	1912.5	3.07	ug/L	0.007	3.07	ug/L	0.007	0.23%
Mo 202.031†	-5.9	-2.09	ug/L	1.079	-2.09	ug/L	1.079	51.53%
Na 589.592†	1703664.2	136000	ug/L	615.7	136000	ug/L	615.7	0.45%
Ni 231.604†	12.4	1.56	ug/L	0.621	1.56	ug/L	0.621	39.73%
Pb 220.353†	7.7	4.48	ug/L	2.936	4.48	ug/L	2.936	65.53%
Sb 206.836†	-1.0	-5.46	ug/L	1.041	-5.46	ug/L	1.041	19.05%
Se 196.026†	-0.4	-2.00	ug/L	3.935	-2.00	ug/L	3.935	196.88%
Sn 189.927†	0.1	-0.988	ug/L	0.8807	-0.988	ug/L	0.8807	89.12%
Sr 421.552†	5360.4	6.31	ug/L	0.054	6.31	ug/L	0.054	0.85%
Ti 334.940†	379.3	0.783	ug/L	0.0405	0.783	ug/L	0.0405	5.17%
Tl 190.801†	-0.6	4.18	ug/L	6.771	4.18	ug/L	6.771	161.89%
V 292.402†	7.7	0.389	ug/L	0.1803	0.389	ug/L	0.1803	46.35%
Zn 206.200†	217.2	16.9	ug/L	0.17	16.9	ug/L	0.17	1.03%

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Sequence No.: 23 **Autosampler Location: 49**
Sample ID: 250701403 **Date Collected: 6/22/2007 1:14:26 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250701403

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1611873.4	96.5	%	0.23				0.24%
Sc Radial	216752.8	99.3	%	0.43				0.44%
Ag 328.068†	-95.5	0.245	ug/L	0.2591	0.245	ug/L	0.2591	105.61%
Al 308.215†	83.4	27.7	ug/L	2.61	27.7	ug/L	2.61	9.44%
As 188.979†	0.1	-8.23	ug/L	2.721	-8.23	ug/L	2.721	33.05%
Ba 233.527†	3868.9	34.6	ug/L	0.15	34.6	ug/L	0.15	0.42%
Be 234.861†	7.6	0.090	ug/L	0.0247	0.090	ug/L	0.0247	27.31%
Ca 315.887†	2318186.6	197000	ug/L	1077.1	197000	ug/L	1077.1	0.55%
Cd 226.502†	93.4	-7.42	ug/L	0.547	-7.42	ug/L	0.547	7.38%
Co 228.616†	7.4	0.077	ug/L	0.1904	0.077	ug/L	0.1904	248.24%
Cr 267.716†	17.4	0.126	ug/L	0.3151	0.126	ug/L	0.3151	250.54%
Cu 324.752†	1848.2	8.39	ug/L	0.122	8.39	ug/L	0.122	1.46%
Fe 259.939†	162.2	9.86	ug/L	0.508	9.86	ug/L	0.508	5.15%
K 766.490†	793.7	154	ug/L	3.5	154	ug/L	3.5	2.27%
Li 460.286†	9.3	-8.86	ug/L	2.642	-8.86	ug/L	2.642	29.82%
Mg 279.077†	12762.6	1170	ug/L	5.0	1170	ug/L	5.0	0.43%
Mn 257.610†	17851.3	31.4	ug/L	0.13	31.4	ug/L	0.13	0.41%
Mo 202.031†	-20.3	-6.89	ug/L	2.117	-6.89	ug/L	2.117	30.73%
Na 589.592†	1787084.5	143000	ug/L	991.7	143000	ug/L	991.7	0.69%
Ni 231.604†	-3.4	0.006	ug/L	0.0899	0.006	ug/L	0.0899	>999.9%
Pb 220.353†	562.1	410	ug/L	2.8	410	ug/L	2.8	0.68%
Sb 206.836†	39.9	5.62	ug/L	1.958	5.62	ug/L	1.958	34.87%
Se 196.026†	-8.4	-11.9	ug/L	4.47	-11.9	ug/L	4.47	37.70%
Sn 189.927†	-10.7	-4.75	ug/L	0.200	-4.75	ug/L	0.200	4.21%
Sr 421.552†	154776.7	175	ug/L	0.9	175	ug/L	0.9	0.53%
Ti 334.940†	214.0	0.455	ug/L	0.0414	0.455	ug/L	0.0414	9.10%
Tl 190.801†	-2.1	3.09	ug/L	5.219	3.09	ug/L	5.219	169.06%
V 292.402†	25.9	0.953	ug/L	0.3096	0.953	ug/L	0.3096	32.48%
Zn 206.200†	324.4	26.6	ug/L	0.23	26.6	ug/L	0.23	0.87%

Sequence No.: 24
Sample ID: 250701404
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 50
Date Collected: 6/22/2007 1:19:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250701404

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1645229.5	98.5	%	0.15				0.15%
Sc Radial	219802.2	101	%	0.3				0.31%
Ag 328.068†	-58.2	-0.185	ug/L	0.2114	-0.185	ug/L	0.2114	114.00%
Al 308.215†	92.1	30.6	ug/L	4.34	30.6	ug/L	4.34	14.20%
As 188.979†	0.3	-1.21	ug/L	1.580	-1.21	ug/L	1.580	130.77%
Ba 233.527†	1128.1	9.79	ug/L	0.062	9.79	ug/L	0.062	0.64%
Be 234.861†	4.9	0.075	ug/L	0.0178	0.075	ug/L	0.0178	23.79%
Ca 315.887†	166169.7	14200	ug/L	21.5	14200	ug/L	21.5	0.15%
Cd 226.502†	13.7	0.452	ug/L	0.7185	0.452	ug/L	0.7185	158.86%
Co 228.616†	8.0	0.078	ug/L	0.0695	0.078	ug/L	0.0695	89.46%
Cr 267.716†	8.0	-0.180	ug/L	0.2082	-0.180	ug/L	0.2082	115.37%
Cu 324.752†	607.3	1.75	ug/L	0.192	1.75	ug/L	0.192	10.98%
Fe 259.939†	253.7	15.9	ug/L	0.07	15.9	ug/L	0.07	0.45%
K 766.490†	616.1	118	ug/L	3.8	118	ug/L	3.8	3.22%
Li 460.286†	-143.7	-7.92	ug/L	2.292	-7.92	ug/L	2.292	28.93%
Mg 279.077†	2390.9	219	ug/L	0.7	219	ug/L	0.7	0.31%
Mn 257.610†	4690.8	8.01	ug/L	0.029	8.01	ug/L	0.029	0.36%
Mo 202.031†	-10.3	-3.56	ug/L	0.287	-3.56	ug/L	0.287	8.08%
Na 589.592†	1736202.8	139000	ug/L	190.6	139000	ug/L	190.6	0.14%
Ni 231.604†	4.8	0.814	ug/L	0.3481	0.814	ug/L	0.3481	42.75%
Pb 220.353†	20.8	14.9	ug/L	2.48	14.9	ug/L	2.48	16.64%
Sb 206.836†	1.4	-4.85	ug/L	1.476	-4.85	ug/L	1.476	30.46%
Se 196.026†	3.2	2.36	ug/L	2.630	2.36	ug/L	2.630	111.37%
Sn 189.927†	-1.4	-1.79	ug/L	2.767	-1.79	ug/L	2.767	154.55%
Sr 421.552†	13440.7	15.4	ug/L	0.05	15.4	ug/L	0.05	0.33%
Ti 334.940†	199.5	0.426	ug/L	0.0558	0.426	ug/L	0.0558	13.10%
Tl 190.801†	0.0	4.60	ug/L	2.453	4.60	ug/L	2.453	53.29%
V 292.402†	11.4	0.499	ug/L	0.2148	0.499	ug/L	0.2148	43.06%
Zn 206.200†	1664.6	129	ug/L	0.5	129	ug/L	0.5	0.35%

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Sequence No.: 25 **Autosampler Location: 51**
Sample ID: 250701405 **Date Collected: 6/22/2007 1:24:00 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250701405

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1631169.2	97.6	%	0.26				0.27%
Sc Radial	217902.9	99.8	%	0.11				0.11%
Ag 328.068†	-49.9	0.035	ug/L	0.2656	0.035	ug/L	0.2656	749.85%
Al 308.215†	95.1	31.6	ug/L	1.46	31.6	ug/L	1.46	4.63%
As 188.979†	-0.2	-3.12	ug/L	1.891	-3.12	ug/L	1.891	60.57%
Ba 233.527†	3580.1	31.0	ug/L	0.13	31.0	ug/L	0.13	0.42%
Be 234.861†	0.5	0.051	ug/L	0.0123	0.051	ug/L	0.0123	24.15%
Ca 315.887†	628534.6	53500	ug/L	127.5	53500	ug/L	127.5	0.24%
Cd 226.502†	79.2	5.00	ug/L	0.092	5.00	ug/L	0.092	1.84%
Co 228.616†	5.1	-0.028	ug/L	0.0654	-0.028	ug/L	0.0654	233.24%
Cr 267.716†	-1.0	-0.463	ug/L	0.0311	-0.463	ug/L	0.0311	6.72%
Cu 324.752†	429.5	1.78	ug/L	0.161	1.78	ug/L	0.161	9.03%
Fe 259.939†	91.0	5.20	ug/L	0.216	5.20	ug/L	0.216	4.15%
K 766.490†	615.3	118	ug/L	4.5	118	ug/L	4.5	3.79%
Li 460.286†	-63.8	-5.08	ug/L	2.562	-5.08	ug/L	2.562	50.47%
Mg 279.077†	5209.9	477	ug/L	1.0	477	ug/L	1.0	0.21%
Mn 257.610†	11638.0	20.4	ug/L	0.13	20.4	ug/L	0.13	0.62%
Mo 202.031†	-23.0	-7.79	ug/L	4.334	-7.79	ug/L	4.334	55.60%
Na 589.592†	1700794.5	136000	ug/L	586.9	136000	ug/L	586.9	0.43%
Ni 231.604†	6.1	0.942	ug/L	0.8699	0.942	ug/L	0.8699	92.34%
Pb 220.353†	57.0	44.5	ug/L	3.69	44.5	ug/L	3.69	8.31%
Sb 206.836†	15.1	0.383	ug/L	3.8455	0.383	ug/L	3.8455	>999.9%
Se 196.026†	-4.7	-7.32	ug/L	2.920	-7.32	ug/L	2.920	39.88%
Sn 189.927†	-3.9	-2.76	ug/L	2.530	-2.76	ug/L	2.530	91.70%
Sr 421.552†	36920.2	41.8	ug/L	0.03	41.8	ug/L	0.03	0.07%
Ti 334.940†	178.1	0.383	ug/L	0.0211	0.383	ug/L	0.0211	5.50%
Tl 190.801†	-0.6	4.20	ug/L	1.963	4.20	ug/L	1.963	46.71%
V 292.402†	-1.2	0.039	ug/L	0.1787	0.039	ug/L	0.1787	457.94%
Zn 206.200†	651.4	50.9	ug/L	0.52	50.9	ug/L	0.52	1.02%

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Sequence No.: 26 **Autosampler Location: 52**
Sample ID: 243574 **Date Collected: 6/22/2007 1:28:47 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 243574

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1673567.2	100	%	0.3				0.33%
Sc Radial	218999.9	100	%	0.7				0.66%
Ag 328.068†	34.8	0.493	ug/L	0.1494	0.493	ug/L	0.1494	30.28%
Al 308.215†	56.2	18.6	ug/L	4.20	18.6	ug/L	4.20	22.53%
As 188.979†	2.6	1.20	ug/L	1.866	1.20	ug/L	1.866	155.70%
Ba 233.527†	22.7	0.244	ug/L	0.0462	0.244	ug/L	0.0462	18.91%
Be 234.861†	26.4	0.195	ug/L	0.0300	0.195	ug/L	0.0300	15.38%
Ca 315.887†	1094.8	97.0	ug/L	1.32	97.0	ug/L	1.32	1.36%
Cd 226.502†	1.0	0.210	ug/L	0.4170	0.210	ug/L	0.4170	198.26%
Co 228.616†	10.7	0.188	ug/L	0.2771	0.188	ug/L	0.2771	147.12%
Cr 267.716†	10.5	-0.104	ug/L	0.3786	-0.104	ug/L	0.3786	364.07%
Cu 324.752†	46.6	-0.226	ug/L	0.0511	-0.226	ug/L	0.0511	22.60%
Fe 259.939†	89.3	5.09	ug/L	0.335	5.09	ug/L	0.335	6.58%
K 766.490†	112.3	16.9	ug/L	1.78	16.9	ug/L	1.78	10.57%
Li 460.286†	-105.8	-4.63	ug/L	1.105	-4.63	ug/L	1.105	23.89%
Mg 279.077†	20.5	2.73	ug/L	0.685	2.73	ug/L	0.685	25.11%
Mn 257.610†	1731.5	2.75	ug/L	0.025	2.75	ug/L	0.025	0.91%
Mo 202.031†	-3.3	-1.26	ug/L	1.022	-1.26	ug/L	1.022	81.22%
Na 589.592†	702.5	40.6	ug/L	1.88	40.6	ug/L	1.88	4.63%
Ni 231.604†	5.9	0.922	ug/L	0.5057	0.922	ug/L	0.5057	54.88%
Pb 220.353†	-1.7	-2.23	ug/L	1.901	-2.23	ug/L	1.901	85.33%
Sb 206.836†	0.2	-4.69	ug/L	0.589	-4.69	ug/L	0.589	12.57%
Se 196.026†	4.4	3.75	ug/L	1.803	3.75	ug/L	1.803	48.09%
Sn 189.927†	3.8	1.68	ug/L	3.258	1.68	ug/L	3.258	194.08%
Sr 421.552†	371.4	0.579	ug/L	0.0157	0.579	ug/L	0.0157	2.71%
Ti 334.940†	8.9	0.047	ug/L	0.0241	0.047	ug/L	0.0241	51.14%
Tl 190.801†	3.1	6.80	ug/L	5.060	6.80	ug/L	5.060	74.44%
V 292.402†	-7.9	-0.127	ug/L	0.0535	-0.127	ug/L	0.0535	42.03%
Zn 206.200†	65.7	5.14	ug/L	0.162	5.14	ug/L	0.162	3.15%

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Sequence No.: 27 **Autosampler Location: 53**
Sample ID: 243575 **Date Collected: 6/22/2007 1:33:14 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 243575

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1637089.9	98.0	%	0.38				0.38%
Sc Radial	215717.8	98.8	%	0.26				0.26%
Ag 328.068†	25046.0	202	ug/L	0.6	202	ug/L	0.6	0.30%
Al 308.215†	152122.4	50500	ug/L	95.5	50500	ug/L	95.5	0.19%
As 188.979†	655.8	543	ug/L	4.0	543	ug/L	4.0	0.74%
Ba 233.527†	182718.8	1560	ug/L	1.2	1560	ug/L	1.2	0.08%
Be 234.861†	102521.2	570	ug/L	2.4	570	ug/L	2.4	0.43%
Ca 315.887†	585535.6	49900	ug/L	147.2	49900	ug/L	147.2	0.30%
Cd 226.502†	4221.7	536	ug/L	3.0	536	ug/L	3.0	0.55%
Co 228.616†	11960.8	528	ug/L	3.4	528	ug/L	3.4	0.64%
Cr 267.716†	15883.8	504	ug/L	3.2	504	ug/L	3.2	0.63%
Cu 324.752†	157874.4	498	ug/L	1.5	498	ug/L	1.5	0.30%
Fe 259.939†	781849.8	51200	ug/L	183.8	51200	ug/L	183.8	0.36%
K 766.490†	252175.0	50800	ug/L	230.2	50800	ug/L	230.2	0.45%
Li 460.286†	83507.2	5070	ug/L	6.3	5070	ug/L	6.3	0.12%
Mg 279.077†	567350.3	51900	ug/L	148.3	51900	ug/L	148.3	0.29%
Mn 257.610†	290552.6	515	ug/L	0.3	515	ug/L	0.3	0.06%
Mo 202.031†	1533.5	512	ug/L	3.4	512	ug/L	3.4	0.67%
Na 589.592†	638568.4	51000	ug/L	175.2	51000	ug/L	175.2	0.34%
Ni 231.604†	5206.2	514	ug/L	0.7	514	ug/L	0.7	0.14%
Pb 220.353†	782.5	541	ug/L	1.8	541	ug/L	1.8	0.34%
Sb 206.836†	953.2	529	ug/L	6.2	529	ug/L	6.2	1.17%
Se 196.026†	504.2	631	ug/L	9.1	631	ug/L	9.1	1.44%
Sn 189.927†	629.5	461	ug/L	3.2	461	ug/L	3.2	0.70%
Sr 421.552†	418916.4	484	ug/L	1.4	484	ug/L	1.4	0.29%
Ti 334.940†	253489.7	504	ug/L	0.8	504	ug/L	0.8	0.16%
Tl 190.801†	742.7	522	ug/L	6.5	522	ug/L	6.5	1.24%
V 292.402†	15221.3	520	ug/L	1.9	520	ug/L	1.9	0.37%
Zn 206.200†	7351.7	569	ug/L	4.6	569	ug/L	4.6	0.81%

User canceled analysis.

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Analysis Begun

Start Time: 6/22/2007 1:37:17 PM **Plasma On Time: 6/22/2007 8:05:50 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\administrator\Sample Information\062207A.sif
Batch ID: 062207A
Results Data Set: 062207A
Results Library: D:\pe\administrator\Results\Results.mdb

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Method Loaded
Method Name: ICAP26010 05-30-07 **Method Last Saved: 6/22/2007 11:53:16 AM**
IEC File: PEL12-18Test.iec **MSF File:**
Method Description: PEL ICAP2 6010
User canceled analysis.

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Analysis Begun

Start Time: 6/22/2007 1:37:50 PM **Plasma On Time: 6/22/2007 8:05:50 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\administrator\Sample Information\062207A.sif
Batch ID: 062207A
Results Data Set: 062207A
Results Library: D:\pe\administrator\Results\Results.mdb

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Method Loaded
Method Name: ICAP26010 05-30-07 **Method Last Saved: 6/22/2007 11:53:16 AM**
IEC File: PEL12-18Test.iec **MSF File:**
Method Description: PEL ICAP2 6010
User canceled analysis.

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Analysis Begun

Start Time: 6/22/2007 1:38:03 PM **Plasma On Time: 6/22/2007 8:05:50 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\administrator\Sample Information\062207A.sif
Batch ID: 062207A
Results Data Set: 062207A
Results Library: D:\pe\administrator\Results\Results.mdb

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Sequence No.: 27 **Autosampler Location: 54**
Sample ID: 243576 **Date Collected: 6/22/2007 1:38:03 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 243576

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1641293.1	98.3	%	0.41				0.41%
Sc Radial	221476.4	101	%	0.3				0.26%
Ag 328.068†	24840.0	200	ug/L	0.5	200	ug/L	0.5	0.23%
Al 308.215†	150022.8	49800	ug/L	106.2	49800	ug/L	106.2	0.21%
As 188.979†	644.0	534	ug/L	1.8	534	ug/L	1.8	0.34%
Ba 233.527†	180042.0	1540	ug/L	2.1	1540	ug/L	2.1	0.14%
Be 234.861†	100826.0	560	ug/L	1.0	560	ug/L	1.0	0.18%
Ca 315.887†	579407.0	49400	ug/L	76.7	49400	ug/L	76.7	0.16%
Cd 226.502†	4170.1	529	ug/L	1.8	529	ug/L	1.8	0.34%
Co 228.616†	11845.1	523	ug/L	1.3	523	ug/L	1.3	0.25%
Cr 267.716†	15778.1	501	ug/L	1.0	501	ug/L	1.0	0.21%
Cu 324.752†	157663.1	498	ug/L	0.8	498	ug/L	0.8	0.15%
Fe 259.939†	776579.5	50900	ug/L	275.3	50900	ug/L	275.3	0.54%
K 766.490†	248068.2	50000	ug/L	72.7	50000	ug/L	72.7	0.15%
Li 460.286†	83369.0	5060	ug/L	12.0	5060	ug/L	12.0	0.24%
Mg 279.077†	549261.6	50300	ug/L	166.1	50300	ug/L	166.1	0.33%
Mn 257.610†	286534.0	508	ug/L	0.3	508	ug/L	0.3	0.06%
Mo 202.031†	1496.1	499	ug/L	0.8	499	ug/L	0.8	0.16%
Na 589.592†	628447.3	50200	ug/L	109.5	50200	ug/L	109.5	0.22%
Ni 231.604†	5137.0	507	ug/L	0.9	507	ug/L	0.9	0.17%
Pb 220.353†	770.7	533	ug/L	0.1	533	ug/L	0.1	0.02%
Sb 206.836†	905.4	502	ug/L	1.2	502	ug/L	1.2	0.23%
Se 196.026†	498.9	625	ug/L	6.3	625	ug/L	6.3	1.02%
Sn 189.927†	577.6	423	ug/L	4.2	423	ug/L	4.2	0.98%
Sr 421.552†	413788.9	478	ug/L	0.9	478	ug/L	0.9	0.20%
Ti 334.940†	250549.5	498	ug/L	0.1	498	ug/L	0.1	0.02%
Tl 190.801†	725.2	509	ug/L	15.1	509	ug/L	15.1	2.96%
V 292.402†	15063.7	514	ug/L	1.4	514	ug/L	1.4	0.26%
Zn 206.200†	7119.8	551	ug/L	0.9	551	ug/L	0.9	0.16%

Sequence No.: 28
Sample ID: 250696401
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 55
Date Collected: 6/22/2007 1:42:05 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250696401

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1683151.6	101	%	0.4				0.36%
Sc Radial	223829.6	103	%	0.2				0.23%
Ag 328.068†	-6.7	0.265	ug/L	0.2418	0.265	ug/L	0.2418	91.38%
Al 308.215†	1754.0	582	ug/L	3.4	582	ug/L	3.4	0.58%
As 188.979†	-0.2	-1.07	ug/L	2.638	-1.07	ug/L	2.638	246.77%
Ba 233.527†	4757.9	40.8	ug/L	0.15	40.8	ug/L	0.15	0.36%
Be 234.861†	53.4	0.278	ug/L	0.0455	0.278	ug/L	0.0455	16.35%
Ca 315.887†	51150.5	4360	ug/L	31.6	4360	ug/L	31.6	0.72%
Cd 226.502†	11.1	0.970	ug/L	0.2393	0.970	ug/L	0.2393	24.68%
Co 228.616†	21.2	0.645	ug/L	0.0764	0.645	ug/L	0.0764	11.84%
Cr 267.716†	44.0	0.955	ug/L	0.1471	0.955	ug/L	0.1471	15.40%
Cu 324.752†	413.0	1.02	ug/L	0.183	1.02	ug/L	0.183	17.90%
Fe 259.939†	23969.9	1570	ug/L	11.4	1570	ug/L	11.4	0.73%
K 766.490†	6215.1	1250	ug/L	17.9	1250	ug/L	17.9	1.44%
Li 460.286†	-24.2	-7.31	ug/L	3.681	-7.31	ug/L	3.681	50.34%
Mg 279.077†	29516.9	2700	ug/L	15.4	2700	ug/L	15.4	0.57%
Mn 257.610†	4132.0	6.93	ug/L	0.037	6.93	ug/L	0.037	0.53%
Mo 202.031†	-6.3	-2.15	ug/L	1.712	-2.15	ug/L	1.712	79.60%
Na 589.592†	116109.9	9260	ug/L	35.9	9260	ug/L	35.9	0.39%
Ni 231.604†	7.0	0.998	ug/L	0.5538	0.998	ug/L	0.5538	55.46%
Pb 220.353†	1.3	0.139	ug/L	1.3574	0.139	ug/L	1.3574	974.16%
Sb 206.836†	-0.8	-5.49	ug/L	2.543	-5.49	ug/L	2.543	46.29%
Se 196.026†	-0.1	-1.15	ug/L	3.070	-1.15	ug/L	3.070	267.65%
Sn 189.927†	3.8	1.83	ug/L	1.464	1.83	ug/L	1.464	80.05%
Sr 421.552†	57049.1	66.0	ug/L	0.21	66.0	ug/L	0.21	0.31%
Ti 334.940†	1098.6	2.21	ug/L	0.045	2.21	ug/L	0.045	2.03%
Tl 190.801†	0.3	4.66	ug/L	0.965	4.66	ug/L	0.965	20.70%
V 292.402†	47.1	1.88	ug/L	0.092	1.88	ug/L	0.092	4.93%
Zn 206.200†	54.5	4.19	ug/L	0.186	4.19	ug/L	0.186	4.43%

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Sequence No.: 29
Sample ID: 250696401L
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 56
Date Collected: 6/22/2007 1:46:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250696401L

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1705821.3	102	%	0.4				0.39%
Sc Radial	224538.1	103	%	0.5				0.46%
Ag 328.068†	-54.5	-0.194	ug/L	0.2355	-0.969	ug/L	1.1774	121.48%
Al 308.215†	362.4	120	ug/L	3.6	602	ug/L	17.8	2.96%
As 188.979†	0.2	-0.717	ug/L	1.8969	-3.58	ug/L	9.485	264.60%
Ba 233.527†	960.7	8.27	ug/L	0.052	41.3	ug/L	0.26	0.63%
Be 234.861†	35.6	0.234	ug/L	0.0283	1.17	ug/L	0.141	12.11%
Ca 315.887†	10192.8	872	ug/L	1.4	4360	ug/L	6.8	0.16%
Cd 226.502†	-0.3	-0.050	ug/L	0.5113	-0.251	ug/L	2.5563	>999.9%
Co 228.616†	9.6	0.137	ug/L	0.3766	0.685	ug/L	1.8829	274.92%
Cr 267.716†	15.0	0.040	ug/L	0.2781	0.200	ug/L	1.3905	695.94%
Cu 324.752†	570.2	1.44	ug/L	0.051	7.20	ug/L	0.257	3.57%
Fe 259.939†	4773.7	312	ug/L	0.2	1560	ug/L	1.0	0.06%
K 766.490†	1222.0	240	ug/L	5.3	1200	ug/L	26.3	2.18%
Li 460.286†	-159.1	-9.57	ug/L	3.912	-47.9	ug/L	19.56	40.87%
Mg 279.077†	5848.6	536	ug/L	0.8	2680	ug/L	4.0	0.15%
Mn 257.610†	891.3	1.23	ug/L	0.010	6.17	ug/L	0.048	0.77%
Mo 202.031†	-2.3	-0.900	ug/L	0.9894	-4.50	ug/L	4.947	109.91%
Na 589.592†	23209.7	1840	ug/L	5.6	9190	ug/L	27.9	0.30%
Ni 231.604†	9.0	1.23	ug/L	0.357	6.14	ug/L	1.787	29.09%
Pb 220.353†	-2.5	-2.75	ug/L	1.626	-13.8	ug/L	8.13	59.02%
Sb 206.836†	1.5	-3.97	ug/L	2.511	-19.9	ug/L	12.56	63.24%
Se 196.026†	-1.1	-2.83	ug/L	5.588	-14.2	ug/L	27.94	197.33%
Sn 189.927†	1.6	0.081	ug/L	1.3323	0.405	ug/L	6.6614	>999.9%
Sr 421.552†	11361.4	13.3	ug/L	0.07	66.4	ug/L	0.36	0.54%
Ti 334.940†	177.6	0.382	ug/L	0.0255	1.91	ug/L	0.127	6.66%
Tl 190.801†	5.8	8.71	ug/L	3.963	43.5	ug/L	19.81	45.51%
V 292.402†	8.3	0.451	ug/L	0.0975	2.26	ug/L	0.488	21.62%
Zn 206.200†	13.2	1.05	ug/L	0.269	5.27	ug/L	1.345	25.53%

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Sequence No.: 30
Sample ID: 250696402
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 57
Date Collected: 6/22/2007 1:50:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250696402

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1644797.3	98.5	%	0.49				0.50%
Sc Radial	219468.0	101	%	0.5				0.51%
Ag 328.068†	24830.6	200	ug/L	2.2	200	ug/L	2.2	1.12%
Al 308.215†	153277.4	50900	ug/L	510.6	50900	ug/L	510.6	1.00%
As 188.979†	658.4	546	ug/L	2.8	546	ug/L	2.8	0.52%
Ba 233.527†	185041.7	1580	ug/L	7.4	1580	ug/L	7.4	0.47%
Be 234.861†	100724.7	560	ug/L	2.2	560	ug/L	2.2	0.39%
Ca 315.887†	629244.7	53600	ug/L	519.8	53600	ug/L	519.8	0.97%
Cd 226.502†	4154.9	526	ug/L	3.1	526	ug/L	3.1	0.59%
Co 228.616†	11712.7	517	ug/L	2.5	517	ug/L	2.5	0.48%
Cr 267.716†	15744.4	500	ug/L	3.3	500	ug/L	3.3	0.67%
Cu 324.752†	158248.6	499	ug/L	3.6	499	ug/L	3.6	0.71%
Fe 259.939†	802326.5	52500	ug/L	424.8	52500	ug/L	424.8	0.81%
K 766.490†	255715.9	51500	ug/L	482.3	51500	ug/L	482.3	0.94%
Li 460.286†	83927.7	5090	ug/L	14.8	5090	ug/L	14.8	0.29%
Mg 279.077†	584177.6	53400	ug/L	407.1	53400	ug/L	407.1	0.76%
Mn 257.610†	289972.8	514	ug/L	2.0	514	ug/L	2.0	0.38%
Mo 202.031†	1554.9	519	ug/L	4.7	519	ug/L	4.7	0.90%
Na 589.592†	758514.4	60600	ug/L	569.8	60600	ug/L	569.8	0.94%
Ni 231.604†	5115.1	505	ug/L	3.2	505	ug/L	3.2	0.63%
Pb 220.353†	769.8	533	ug/L	1.9	533	ug/L	1.9	0.35%
Sb 206.836†	955.2	530	ug/L	1.3	530	ug/L	1.3	0.25%
Se 196.026†	483.2	606	ug/L	1.8	606	ug/L	1.8	0.29%
Sn 189.927†	732.1	537	ug/L	5.4	537	ug/L	5.4	1.01%
Sr 421.552†	473951.8	547	ug/L	5.8	547	ug/L	5.8	1.06%
Ti 334.940†	258893.8	514	ug/L	1.2	514	ug/L	1.2	0.24%
Tl 190.801†	719.8	505	ug/L	4.0	505	ug/L	4.0	0.80%
V 292.402†	15222.5	520	ug/L	4.9	520	ug/L	4.9	0.95%
Zn 206.200†	7012.8	543	ug/L	2.5	543	ug/L	2.5	0.46%

Sequence No.: 31 **Autosampler Location: 7**
Sample ID: ICSA **Date Collected: 6/22/2007 1:54:47 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1588262.2	95.1	%	0.51				0.54%
Sc Radial	213039.2	97.6	%	0.55				0.56%
Ag 328.068†	-1625.2	-0.723	ug/L	0.0660	-0.723	ug/L	0.0660	9.13%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	740102.2	246000	ug/L	1373.6	246000	ug/L	1373.6	0.56%
QC value within limits for Al 308.215 Recovery = 98.30%								
As 188.979†	-20.6	-6.50	ug/L	3.006	-6.50	ug/L	3.006	46.22%
QC value less than the lower limit for As 188.979 Recovery = Not calculated								
Ba 233.527†	-377.4	1.02	ug/L	0.022	1.02	ug/L	0.022	2.21%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	1850.0	1.09	ug/L	0.534	1.09	ug/L	0.534	48.81%
QC value greater than the upper limit for Be 234.861 Recovery = Not calculated								
Ca 315.887†	2787700.4	237000	ug/L	1228.5	237000	ug/L	1228.5	0.52%
QC value within limits for Ca 315.887 Recovery = 94.98%								
Cd 226.502†	300.1	-0.772	ug/L	0.8266	-0.772	ug/L	0.8266	107.11%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	133.7	-0.845	ug/L	0.0872	-0.845	ug/L	0.0872	10.32%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	6.2	-2.24	ug/L	0.631	-2.24	ug/L	0.631	28.21%
QC value less than the lower limit for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-2696.9	-0.732	ug/L	0.0551	-0.732	ug/L	0.0551	7.53%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	3262477.8	214000	ug/L	1092.3	214000	ug/L	1092.3	0.51%
QC value within limits for Fe 259.939 Recovery = 94.97%								
K 766.490†	-107.2	-27.4	ug/L	13.32	-27.4	ug/L	13.32	48.67%
Li 460.286†	18658.9	137	ug/L	6.6	137	ug/L	6.6	4.82%
Mg 279.077†	2649408.8	242000	ug/L	1137.4	242000	ug/L	1137.4	0.47%
QC value within limits for Mg 279.077 Recovery = 96.95%								
Mn 257.610†	4784.0	-0.170	ug/L	0.0439	-0.170	ug/L	0.0439	25.82%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-43.8	-1.31	ug/L	3.511	-1.31	ug/L	3.511	267.32%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	611.5	33.3	ug/L	1.83	33.3	ug/L	1.83	5.50%
Ni 231.604†	56.4	1.51	ug/L	0.350	1.51	ug/L	0.350	23.25%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	2.8	-1.49	ug/L	3.148	-1.49	ug/L	3.148	210.96%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	25.8	-6.24	ug/L	3.679	-6.24	ug/L	3.679	58.92%
QC value less than the lower limit for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-70.0	-3.61	ug/L	11.196	-3.61	ug/L	11.196	310.47%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-7.7	-1.67	ug/L	5.514	-1.67	ug/L	5.514	330.18%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	2535.6	-1.57	ug/L	0.055	-1.57	ug/L	0.055	3.48%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	98.8	0.226	ug/L	0.0460	0.226	ug/L	0.0460	20.39%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	12.8	-4.25	ug/L	8.423	-4.25	ug/L	8.423	198.17%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-657.9	1.73	ug/L	0.463	1.73	ug/L	0.463	26.70%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	126.0	0.212	ug/L	0.9109	0.212	ug/L	0.9109	429.68%
QC value within limits for Zn 206.200 Recovery = Not calculated								

QC Failed. Continue with analysis.

Sequence No.: 32 **Autosampler Location: 8**
Sample ID: ICSAB **Date Collected: 6/22/2007 1:59:04 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1582388.4	94.7	%	0.02				0.02%
Sc Radial	213237.6	97.7	%	0.63				0.65%
Ag 328.068†	23687.6	200	ug/L	0.0	200	ug/L	0.0	0.02%
QC value within limits for Ag 328.068 Recovery = 100.04%								
Al 308.215†	749651.3	249000	ug/L	1972.0	249000	ug/L	1972.0	0.79%
QC value within limits for Al 308.215 Recovery = 99.57%								
As 188.979†	110.2	104	ug/L	4.9	104	ug/L	4.9	4.72%
QC value within limits for As 188.979 Recovery = 104.21%								
Ba 233.527†	57205.3	493	ug/L	1.2	493	ug/L	1.2	0.24%
QC value within limits for Ba 233.527 Recovery = 98.61%								
Be 234.861†	98073.8	538	ug/L	1.4	538	ug/L	1.4	0.26%
QC value within limits for Be 234.861 Recovery = 107.59%								
Ca 315.887†	2824489.5	241000	ug/L	1915.9	241000	ug/L	1915.9	0.80%
QC value within limits for Ca 315.887 Recovery = 96.23%								
Cd 226.502†	7812.5	967	ug/L	0.9	967	ug/L	0.9	0.10%
QC value within limits for Cd 226.502 Recovery = 96.72%								
Co 228.616†	10796.2	470	ug/L	2.6	470	ug/L	2.6	0.56%
QC value within limits for Co 228.616 Recovery = 94.07%								
Cr 267.716†	15391.8	487	ug/L	1.4	487	ug/L	1.4	0.29%
QC value within limits for Cr 267.716 Recovery = 97.38%								
Cu 324.752†	162545.5	519	ug/L	2.1	519	ug/L	2.1	0.41%
QC value within limits for Cu 324.752 Recovery = 103.86%								
Fe 259.939†	3281551.5	215000	ug/L	2178.8	215000	ug/L	2178.8	1.01%
QC value within limits for Fe 259.939 Recovery = 95.53%								
K 766.490†	-27.9	-11.4	ug/L	8.99	-11.4	ug/L	8.99	78.98%
Li 460.286†	35455.4	1200	ug/L	6.8	1200	ug/L	6.8	0.57%
Mg 279.077†	2665764.4	244000	ug/L	2131.4	244000	ug/L	2131.4	0.87%
QC value within limits for Mg 279.077 Recovery = 97.55%								
Mn 257.610†	280425.6	491	ug/L	1.3	491	ug/L	1.3	0.26%
QC value within limits for Mn 257.610 Recovery = 98.11%								
Mo 202.031†	1495.8	510	ug/L	1.5	510	ug/L	1.5	0.29%
QC value within limits for Mo 202.031 Recovery = 101.91%								
Na 589.592†	603.5	32.7	ug/L	4.44	32.7	ug/L	4.44	13.58%
Ni 231.604†	9443.7	929	ug/L	2.2	929	ug/L	2.2	0.23%
QC value within limits for Ni 231.604 Recovery = 92.91%								
Pb 220.353†	71.5	48.9	ug/L	3.15	48.9	ug/L	3.15	6.44%
QC value within limits for Pb 220.353 Recovery = 97.73%								
Sb 206.836†	1144.9	624	ug/L	2.1	624	ug/L	2.1	0.34%
QC value within limits for Sb 206.836 Recovery = 104.02%								
Se 196.026†	-20.8	56.1	ug/L	9.24	56.1	ug/L	9.24	16.47%
QC value within limits for Se 196.026 Recovery = 112.22%								
Sn 189.927†	742.6	548	ug/L	8.2	548	ug/L	8.2	1.49%
QC value within limits for Sn 189.927 Recovery = 109.66%								
Sr 421.552†	428801.5	491	ug/L	3.3	491	ug/L	3.3	0.66%
QC value within limits for Sr 421.552 Recovery = 98.28%								
Ti 334.940†	245081.5	487	ug/L	1.5	487	ug/L	1.5	0.30%
QC value within limits for Ti 334.940 Recovery = 97.39%								
Tl 190.801†	163.1	90.0	ug/L	2.36	90.0	ug/L	2.36	2.62%
QC value within limits for Tl 190.801 Recovery = 90.04%								
V 292.402†	14421.3	511	ug/L	0.9	511	ug/L	0.9	0.17%
QC value within limits for V 292.402 Recovery = 102.19%								
Zn 206.200†	12646.3	971	ug/L	4.1	971	ug/L	4.1	0.42%
QC value within limits for Zn 206.200 Recovery = 97.13%								

All analyte(s) passed QC.

Sequence No.: 33 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 6/22/2007 2:03:24 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1644589.9	98.5	%	0.03				0.03%
Sc Radial	219022.3	100	%	0.7				0.67%
Ag 328.068†	62784.1	500	ug/L	1.4	500	ug/L	1.4	0.29%
QC value within limits for Ag 328.068 Recovery = 99.93%								
Al 308.215†	74605.7	24800	ug/L	86.6	24800	ug/L	86.6	0.35%
QC value within limits for Al 308.215 Recovery = 99.09%								
As 188.979†	630.0	522	ug/L	2.2	522	ug/L	2.2	0.42%
QC value within limits for As 188.979 Recovery = 104.46%								
Ba 233.527†	59285.0	507	ug/L	1.6	507	ug/L	1.6	0.31%
QC value within limits for Ba 233.527 Recovery = 101.45%								
Be 234.861†	93042.8	517	ug/L	0.7	517	ug/L	0.7	0.13%
QC value within limits for Be 234.861 Recovery = 103.49%								
Ca 315.887†	294291.3	25100	ug/L	57.7	25100	ug/L	57.7	0.23%
QC value within limits for Ca 315.887 Recovery = 100.28%								
Cd 226.502†	4003.0	511	ug/L	2.3	511	ug/L	2.3	0.44%
QC value within limits for Cd 226.502 Recovery = 102.12%								
Co 228.616†	11826.0	521	ug/L	5.7	521	ug/L	5.7	1.09%
QC value within limits for Co 228.616 Recovery = 104.28%								
Cr 267.716†	16021.4	508	ug/L	1.9	508	ug/L	1.9	0.37%
QC value within limits for Cr 267.716 Recovery = 101.68%								
Cu 324.752†	154827.7	488	ug/L	1.8	488	ug/L	1.8	0.37%
QC value within limits for Cu 324.752 Recovery = 97.62%								
Fe 259.939†	615349.4	40300	ug/L	162.3	40300	ug/L	162.3	0.40%
QC value within limits for Fe 259.939 Recovery = 100.76%								
K 766.490†	121881.1	24600	ug/L	100.4	24600	ug/L	100.4	0.41%
QC value within limits for K 766.490 Recovery = 98.21%								
Li 460.286†	80334.1	4920	ug/L	2.1	4920	ug/L	2.1	0.04%
Mg 279.077†	275663.0	25200	ug/L	180.0	25200	ug/L	180.0	0.71%
QC value within limits for Mg 279.077 Recovery = 100.92%								
Mn 257.610†	287873.6	511	ug/L	1.0	511	ug/L	1.0	0.19%
QC value within limits for Mn 257.610 Recovery = 102.26%								
Mo 202.031†	1583.6	528	ug/L	3.8	528	ug/L	3.8	0.71%
QC value within limits for Mo 202.031 Recovery = 105.55%								
Na 589.592†	308557.6	24600	ug/L	112.8	24600	ug/L	112.8	0.46%
QC value within limits for Na 589.592 Recovery = 98.54%								
Ni 231.604†	5128.9	506	ug/L	2.1	506	ug/L	2.1	0.42%
QC value within limits for Ni 231.604 Recovery = 101.27%								
Pb 220.353†	754.0	520	ug/L	3.3	520	ug/L	3.3	0.64%
QC value within limits for Pb 220.353 Recovery = 103.91%								
Sb 206.836†	940.3	523	ug/L	4.3	523	ug/L	4.3	0.83%
QC value within limits for Sb 206.836 Recovery = 104.62%								
Se 196.026†	424.4	530	ug/L	7.5	530	ug/L	7.5	1.42%
QC value within limits for Se 196.026 Recovery = 106.00%								
Sn 189.927†	569.1	416	ug/L	1.6	416	ug/L	1.6	0.37%
QC value within limits for Sn 189.927 Recovery = 104.12%								
Sr 421.552†	344055.3	398	ug/L	1.6	398	ug/L	1.6	0.40%
QC value within limits for Sr 421.552 Recovery = 99.40%								
Ti 334.940†	203682.0	405	ug/L	0.3	405	ug/L	0.3	0.08%
QC value within limits for Ti 334.940 Recovery = 101.17%								
Tl 190.801†	709.1	498	ug/L	8.0	498	ug/L	8.0	1.61%
QC value within limits for Tl 190.801 Recovery = 99.64%								
V 292.402†	15135.8	516	ug/L	1.9	516	ug/L	1.9	0.37%
QC value within limits for V 292.402 Recovery = 103.16%								
Zn 206.200†	6775.5	525	ug/L	1.7	525	ug/L	1.7	0.32%
QC value within limits for Zn 206.200 Recovery = 105.09%								

All analyte(s) passed QC.

Sequence No.: 34 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 6/22/2007 2:07:24 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1646930.6	98.6	%	0.26				0.27%
Sc Radial	217978.8	99.8	%	0.82				0.82%
Ag 328.068†	-38.9	-0.090	ug/L	0.3574	-0.090	ug/L	0.3574	397.36%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	16.9	5.61	ug/L	1.862	5.61	ug/L	1.862	33.16%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	3.0	1.53	ug/L	2.095	1.53	ug/L	2.095	136.59%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-3.9	0.016	ug/L	0.0430	0.016	ug/L	0.0430	264.50%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	1.9	0.059	ug/L	0.0073	0.059	ug/L	0.0073	12.38%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	31.1	6.43	ug/L	1.979	6.43	ug/L	1.979	30.77%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	-1.7	-0.122	ug/L	0.4478	-0.122	ug/L	0.4478	366.42%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	1.6	-0.215	ug/L	0.2149	-0.215	ug/L	0.2149	99.93%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	10.4	-0.105	ug/L	0.3529	-0.105	ug/L	0.3529	337.26%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	4.1	-0.362	ug/L	0.0341	-0.362	ug/L	0.0341	9.42%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	-3.6	-0.996	ug/L	0.3091	-0.996	ug/L	0.3091	31.02%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-25.4	-10.9	ug/L	6.84	-10.9	ug/L	6.84	62.89%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	-86.1	-3.34	ug/L	2.237	-3.34	ug/L	2.237	67.04%
Mg 279.077†	-15.5	-0.569	ug/L	0.4168	-0.569	ug/L	0.4168	73.29%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-26.0	-0.380	ug/L	0.0160	-0.380	ug/L	0.0160	4.21%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-1.7	-0.706	ug/L	0.9401	-0.706	ug/L	0.9401	133.10%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-7.2	-16.1	ug/L	3.41	-16.1	ug/L	3.41	21.17%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-1.7	0.177	ug/L	0.0981	0.177	ug/L	0.0981	55.52%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-1.1	-1.80	ug/L	2.032	-1.80	ug/L	2.032	112.74%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	0.8	-4.30	ug/L	2.139	-4.30	ug/L	2.139	49.69%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	3.7	2.87	ug/L	0.916	2.87	ug/L	0.916	31.91%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-1.5	-2.20	ug/L	2.475	-2.20	ug/L	2.475	112.57%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	4.9	0.156	ug/L	0.0377	0.156	ug/L	0.0377	24.13%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	-29.1	-0.028	ug/L	0.0417	-0.028	ug/L	0.0417	146.86%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	4.0	7.48	ug/L	3.046	7.48	ug/L	3.046	40.72%
QC value greater than the upper limit for Tl 190.801 Recovery = Not calculated								
V 292.402†	-4.1	0.005	ug/L	0.1235	0.005	ug/L	0.1235	>999.9%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	0.1	0.058	ug/L	0.5241	0.058	ug/L	0.5241	911.06%
QC value within limits for Zn 206.200 Recovery = Not calculated								

QC Failed. Retry.

Sequence No.: 35 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 6/22/2007 2:10:23 PM**

Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1654137.4	99.0	%	0.15				0.15%
Sc Radial	216256.9	99.0	%	0.39				0.39%
Ag 328.068†	-45.0	-0.138	ug/L	0.1093	-0.138	ug/L	0.1093	79.11%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	5.8	1.93	ug/L	2.575	1.93	ug/L	2.575	133.32%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	3.0	1.50	ug/L	1.769	1.50	ug/L	1.769	117.74%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-7.4	-0.014	ug/L	0.0235	-0.014	ug/L	0.0235	173.46%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-0.9	0.043	ug/L	0.0067	0.043	ug/L	0.0067	15.48%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	16.4	5.18	ug/L	0.254	5.18	ug/L	0.254	4.90%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	-4.9	-0.535	ug/L	0.0327	-0.535	ug/L	0.0327	6.11%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	2.3	-0.183	ug/L	0.0509	-0.183	ug/L	0.0509	27.77%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	6.3	-0.234	ug/L	0.3291	-0.234	ug/L	0.3291	140.45%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-17.2	-0.428	ug/L	0.0290	-0.428	ug/L	0.0290	6.78%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	-20.6	-2.11	ug/L	0.162	-2.11	ug/L	0.162	7.67%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-65.3	-18.9	ug/L	2.65	-18.9	ug/L	2.65	13.98%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	-94.4	-3.86	ug/L	0.505	-3.86	ug/L	0.505	13.09%
Mg 279.077†	1.1	0.948	ug/L	0.5744	0.948	ug/L	0.5744	60.57%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-31.3	-0.389	ug/L	0.0218	-0.389	ug/L	0.0218	5.60%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-3.6	-1.36	ug/L	0.555	-1.36	ug/L	0.555	40.94%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-59.8	-20.3	ug/L	2.98	-20.3	ug/L	2.98	14.66%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-2.3	0.116	ug/L	0.1344	0.116	ug/L	0.1344	115.98%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	2.4	0.610	ug/L	1.5470	0.610	ug/L	1.5470	253.53%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	5.6	-1.63	ug/L	3.848	-1.63	ug/L	3.848	236.47%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-1.5	-3.39	ug/L	4.972	-3.39	ug/L	4.972	146.63%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	0.5	-0.736	ug/L	0.6478	-0.736	ug/L	0.6478	87.96%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	5.4	0.157	ug/L	0.0256	0.157	ug/L	0.0256	16.28%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	-52.3	-0.074	ug/L	0.0397	-0.074	ug/L	0.0397	53.30%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-3.9	1.78	ug/L	1.110	1.78	ug/L	1.110	62.30%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	0.4	0.149	ug/L	0.3523	0.149	ug/L	0.3523	237.08%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-5.2	-0.349	ug/L	0.8610	-0.349	ug/L	0.8610	247.03%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

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Sequence No.: 36
Sample ID: 250696403
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 58
Date Collected: 6/22/2007 2:14:42 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250696403

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1630921.6	97.6	%	0.24				0.24%
Sc Radial	219807.3	101	%	0.5				0.49%
Ag 328.068†	24648.0	199	ug/L	1.1	199	ug/L	1.1	0.53%
Al 308.215†	151462.5	50300	ug/L	216.9	50300	ug/L	216.9	0.43%
As 188.979†	654.3	542	ug/L	6.9	542	ug/L	6.9	1.28%
Ba 233.527†	181933.5	1560	ug/L	6.1	1560	ug/L	6.1	0.39%
Be 234.861†	99701.4	554	ug/L	2.4	554	ug/L	2.4	0.44%
Ca 315.887†	624825.4	53200	ug/L	159.0	53200	ug/L	159.0	0.30%
Cd 226.502†	4098.1	519	ug/L	5.9	519	ug/L	5.9	1.14%
Co 228.616†	11711.9	517	ug/L	4.4	517	ug/L	4.4	0.85%
Cr 267.716†	15603.9	495	ug/L	4.7	495	ug/L	4.7	0.94%
Cu 324.752†	156554.0	494	ug/L	3.3	494	ug/L	3.3	0.66%
Fe 259.939†	795540.5	52100	ug/L	198.0	52100	ug/L	198.0	0.38%
K 766.490†	253396.6	51000	ug/L	199.6	51000	ug/L	199.6	0.39%
Li 460.286†	82463.2	5000	ug/L	19.1	5000	ug/L	19.1	0.38%
Mg 279.077†	576837.1	52800	ug/L	474.7	52800	ug/L	474.7	0.90%
Mn 257.610†	286111.8	507	ug/L	2.0	507	ug/L	2.0	0.39%
Mo 202.031†	1539.4	514	ug/L	2.4	514	ug/L	2.4	0.47%
Na 589.592†	748312.9	59800	ug/L	692.9	59800	ug/L	692.9	1.16%
Ni 231.604†	5044.1	498	ug/L	4.3	498	ug/L	4.3	0.86%
Pb 220.353†	761.1	527	ug/L	6.4	527	ug/L	6.4	1.21%
Sb 206.836†	914.0	507	ug/L	4.2	507	ug/L	4.2	0.82%
Se 196.026†	477.7	599	ug/L	2.4	599	ug/L	2.4	0.40%
Sn 189.927†	728.0	534	ug/L	2.9	534	ug/L	2.9	0.54%
Sr 421.552†	461704.4	533	ug/L	1.4	533	ug/L	1.4	0.27%
Ti 334.940†	254095.8	505	ug/L	0.7	505	ug/L	0.7	0.14%
Tl 190.801†	718.3	504	ug/L	6.1	504	ug/L	6.1	1.21%
V 292.402†	15088.8	515	ug/L	3.4	515	ug/L	3.4	0.65%
Zn 206.200†	7011.0	543	ug/L	6.0	543	ug/L	6.0	1.11%

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Sequence No.: 37 **Autosampler Location: 59**
Sample ID: 250696401A **Date Collected: 6/22/2007 2:19:01 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250696401A

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1627297.1	97.4	%	0.18				0.19%
Sc Radial	218652.3	100	%	0.5				0.52%
Ag 328.068†	36194.5	290	ug/L	1.6	290	ug/L	1.6	0.57%
Al 308.215†	148823.8	49400	ug/L	259.1	49400	ug/L	259.1	0.52%
As 188.979†	604.9	502	ug/L	1.8	502	ug/L	1.8	0.35%
Ba 233.527†	181502.7	1550	ug/L	2.9	1550	ug/L	2.9	0.19%
Be 234.861†	98205.2	546	ug/L	3.6	546	ug/L	3.6	0.66%
Ca 315.887†	622962.1	53100	ug/L	331.0	53100	ug/L	331.0	0.62%
Cd 226.502†	4051.5	513	ug/L	1.4	513	ug/L	1.4	0.27%
Co 228.616†	11528.7	509	ug/L	2.7	509	ug/L	2.7	0.52%
Cr 267.716†	15662.5	497	ug/L	3.9	497	ug/L	3.9	0.79%
Cu 324.752†	154807.4	489	ug/L	3.2	489	ug/L	3.2	0.65%
Fe 259.939†	777539.8	50900	ug/L	391.4	50900	ug/L	391.4	0.77%
K 766.490†	247559.6	49900	ug/L	230.7	49900	ug/L	230.7	0.46%
Li 460.286†	81893.8	4970	ug/L	10.7	4970	ug/L	10.7	0.22%
Mg 279.077†	571485.9	52300	ug/L	285.1	52300	ug/L	285.1	0.55%
Mn 257.610†	285402.8	506	ug/L	1.0	506	ug/L	1.0	0.20%
Mo 202.031†	1530.1	511	ug/L	1.4	511	ug/L	1.4	0.28%
Na 589.592†	726154.6	58000	ug/L	685.5	58000	ug/L	685.5	1.18%
Ni 231.604†	5014.5	495	ug/L	1.9	495	ug/L	1.9	0.39%
Pb 220.353†	758.1	525	ug/L	2.3	525	ug/L	2.3	0.45%
Sb 206.836†	941.7	522	ug/L	3.6	522	ug/L	3.6	0.68%
Se 196.026†	494.5	619	ug/L	3.0	619	ug/L	3.0	0.48%
Sn 189.927†	729.4	535	ug/L	4.1	535	ug/L	4.1	0.77%
Sr 421.552†	457224.2	528	ug/L	3.1	528	ug/L	3.1	0.58%
Ti 334.940†	249515.9	496	ug/L	0.4	496	ug/L	0.4	0.07%
Tl 190.801†	725.3	509	ug/L	1.7	509	ug/L	1.7	0.34%
V 292.402†	14979.1	512	ug/L	4.0	512	ug/L	4.0	0.79%
Zn 206.200†	6923.1	536	ug/L	2.1	536	ug/L	2.1	0.39%

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Sequence No.: 38 **Autosampler Location: 60**
Sample ID: 250696404 **Date Collected: 6/22/2007 2:23:19 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250696404

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1667468.7	99.8	%	0.46				0.46%
Sc Radial	221193.9	101	%	0.2				0.19%
Ag 328.068†	-26.0	0.104	ug/L	0.1323	0.104	ug/L	0.1323	127.77%
Al 308.215†	1441.5	479	ug/L	5.3	479	ug/L	5.3	1.10%
As 188.979†	2.9	1.19	ug/L	1.058	1.19	ug/L	1.058	88.73%
Ba 233.527†	2489.3	21.4	ug/L	0.05	21.4	ug/L	0.05	0.24%
Be 234.861†	75.7	0.426	ug/L	0.0159	0.426	ug/L	0.0159	3.74%
Ca 315.887†	110957.2	9450	ug/L	20.8	9450	ug/L	20.8	0.22%
Cd 226.502†	8.6	0.189	ug/L	0.5005	0.189	ug/L	0.5005	265.49%
Co 228.616†	13.5	0.301	ug/L	0.0485	0.301	ug/L	0.0485	16.08%
Cr 267.716†	31.4	0.563	ug/L	0.3472	0.563	ug/L	0.3472	61.70%
Cu 324.752†	210.9	0.448	ug/L	0.1067	0.448	ug/L	0.1067	23.84%
Fe 259.939†	15610.5	1020	ug/L	11.8	1020	ug/L	11.8	1.16%
K 766.490†	8481.2	1700	ug/L	11.9	1700	ug/L	11.9	0.70%
Li 460.286†	-15.4	-4.38	ug/L	2.007	-4.38	ug/L	2.007	45.86%
Mg 279.077†	27195.1	2490	ug/L	9.8	2490	ug/L	9.8	0.40%
Mn 257.610†	3526.7	5.86	ug/L	0.033	5.86	ug/L	0.033	0.56%
Mo 202.031†	-1.7	-0.648	ug/L	0.8965	-0.648	ug/L	0.8965	138.41%
Na 589.592†	103169.4	8230	ug/L	20.7	8230	ug/L	20.7	0.25%
Ni 231.604†	9.2	1.23	ug/L	0.641	1.23	ug/L	0.641	52.28%
Pb 220.353†	-2.7	-1.97	ug/L	3.200	-1.97	ug/L	3.200	162.64%
Sb 206.836†	-0.3	-5.51	ug/L	4.332	-5.51	ug/L	4.332	78.67%
Se 196.026†	0.3	-0.848	ug/L	5.8710	-0.848	ug/L	5.8710	691.95%
Sn 189.927†	2.7	1.10	ug/L	0.136	1.10	ug/L	0.136	12.31%
Sr 421.552†	49109.6	56.8	ug/L	0.08	56.8	ug/L	0.08	0.15%
Ti 334.940†	773.4	1.57	ug/L	0.029	1.57	ug/L	0.029	1.86%
Tl 190.801†	7.4	9.84	ug/L	6.549	9.84	ug/L	6.549	66.58%
V 292.402†	39.7	1.58	ug/L	0.269	1.58	ug/L	0.269	17.03%
Zn 206.200†	55.2	4.29	ug/L	0.355	4.29	ug/L	0.355	8.27%

Sequence No.: 39
Sample ID: 250696405
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 61
Date Collected: 6/22/2007 2:27:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250696405

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1653110.8	99.0	%	0.47				0.48%
Sc Radial	220947.2	101	%	0.5				0.53%
Ag 328.068†	-29.2	0.079	ug/L	0.0936	0.079	ug/L	0.0936	119.24%
Al 308.215†	1369.8	455	ug/L	4.1	455	ug/L	4.1	0.91%
As 188.979†	-2.4	-3.13	ug/L	1.128	-3.13	ug/L	1.128	36.03%
Ba 233.527†	2483.5	21.4	ug/L	0.32	21.4	ug/L	0.32	1.50%
Be 234.861†	68.5	0.386	ug/L	0.0258	0.386	ug/L	0.0258	6.68%
Ca 315.887†	111800.6	9530	ug/L	40.3	9530	ug/L	40.3	0.42%
Cd 226.502†	8.3	0.148	ug/L	0.3279	0.148	ug/L	0.3279	221.02%
Co 228.616†	21.8	0.669	ug/L	0.1462	0.669	ug/L	0.1462	21.83%
Cr 267.716†	35.6	0.696	ug/L	0.0995	0.696	ug/L	0.0995	14.30%
Cu 324.752†	250.8	0.575	ug/L	0.1419	0.575	ug/L	0.1419	24.70%
Fe 259.939†	15631.4	1020	ug/L	3.4	1020	ug/L	3.4	0.33%
K 766.490†	8513.9	1710	ug/L	5.4	1710	ug/L	5.4	0.32%
Li 460.286†	-31.1	-5.38	ug/L	3.193	-5.38	ug/L	3.193	59.30%
Mg 279.077†	27267.9	2490	ug/L	15.3	2490	ug/L	15.3	0.61%
Mn 257.610†	3511.6	5.83	ug/L	0.100	5.83	ug/L	0.100	1.72%
Mo 202.031†	-3.1	-1.13	ug/L	0.940	-1.13	ug/L	0.940	83.54%
Na 589.592†	104336.4	8320	ug/L	15.3	8320	ug/L	15.3	0.18%
Ni 231.604†	10.3	1.34	ug/L	0.926	1.34	ug/L	0.926	69.11%
Pb 220.353†	-1.8	-1.37	ug/L	2.051	-1.37	ug/L	2.051	149.60%
Sb 206.836†	4.7	-2.72	ug/L	3.172	-2.72	ug/L	3.172	116.45%
Se 196.026†	2.0	1.27	ug/L	3.914	1.27	ug/L	3.914	308.88%
Sn 189.927†	1.1	-0.058	ug/L	0.9767	-0.058	ug/L	0.9767	>999.9%
Sr 421.552†	49015.8	56.7	ug/L	0.15	56.7	ug/L	0.15	0.26%
Ti 334.940†	693.1	1.41	ug/L	0.016	1.41	ug/L	0.016	1.13%
Tl 190.801†	4.6	7.78	ug/L	0.912	7.78	ug/L	0.912	11.71%
V 292.402†	32.5	1.34	ug/L	0.216	1.34	ug/L	0.216	16.14%
Zn 206.200†	46.2	3.60	ug/L	0.636	3.60	ug/L	0.636	17.68%

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Sequence No.: 40 **Autosampler Location: 62**
Sample ID: 244241 **Date Collected: 6/22/2007 2:31:47 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 244241

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1666949.5	99.8	%	0.41				0.41%
Sc Radial	222985.6	102	%	0.3				0.34%
Ag 328.068†	-54.4	-0.212	ug/L	0.1676	-0.212	ug/L	0.1676	78.97%
Al 308.215†	31.9	10.6	ug/L	1.45	10.6	ug/L	1.45	13.70%
As 188.979†	2.7	1.32	ug/L	2.267	1.32	ug/L	2.267	172.37%
Ba 233.527†	-5.6	0.003	ug/L	0.0445	0.003	ug/L	0.0445	>999.9%
Be 234.861†	-11.0	-0.013	ug/L	0.0071	-0.013	ug/L	0.0071	53.38%
Ca 315.887†	476.4	44.4	ug/L	0.55	44.4	ug/L	0.55	1.24%
Cd 226.502†	-2.6	-0.253	ug/L	0.2360	-0.253	ug/L	0.2360	93.32%
Co 228.616†	-1.1	-0.332	ug/L	0.1924	-0.332	ug/L	0.1924	57.99%
Cr 267.716†	12.9	-0.027	ug/L	0.1455	-0.027	ug/L	0.1455	545.06%
Cu 324.752†	-16.8	-0.426	ug/L	0.1057	-0.426	ug/L	0.1057	24.80%
Fe 259.939†	84.1	4.74	ug/L	0.201	4.74	ug/L	0.201	4.24%
K 766.490†	47.0	3.70	ug/L	0.964	3.70	ug/L	0.964	26.03%
Li 460.286†	-122.1	-5.66	ug/L	4.626	-5.66	ug/L	4.626	81.70%
Mg 279.077†	107.9	10.7	ug/L	0.57	10.7	ug/L	0.57	5.32%
Mn 257.610†	93.5	-0.167	ug/L	0.0154	-0.167	ug/L	0.0154	9.20%
Mo 202.031†	-3.8	-1.40	ug/L	0.348	-1.40	ug/L	0.348	24.83%
Na 589.592†	150.3	-3.54	ug/L	0.854	-3.54	ug/L	0.854	24.12%
Ni 231.604†	5.3	0.862	ug/L	0.5972	0.862	ug/L	0.5972	69.27%
Pb 220.353†	2.8	0.869	ug/L	2.1174	0.869	ug/L	2.1174	243.78%
Sb 206.836†	3.7	-2.72	ug/L	1.419	-2.72	ug/L	1.419	52.22%
Se 196.026†	1.6	0.362	ug/L	5.8386	0.362	ug/L	5.8386	>999.9%
Sn 189.927†	0.7	-0.561	ug/L	0.3626	-0.561	ug/L	0.3626	64.60%
Sr 421.552†	269.4	0.462	ug/L	0.0516	0.462	ug/L	0.0516	11.17%
Ti 334.940†	79.7	0.188	ug/L	0.0264	0.188	ug/L	0.0264	14.06%
Tl 190.801†	-6.1	0.176	ug/L	1.6676	0.176	ug/L	1.6676	945.50%
V 292.402†	-4.4	-0.013	ug/L	0.1035	-0.013	ug/L	0.1035	791.75%
Zn 206.200†	39.8	3.13	ug/L	0.190	3.13	ug/L	0.190	6.07%

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Sequence No.: 41
Sample ID: 244242
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 63
Date Collected: 6/22/2007 2:36:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 244242

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1621893.7	97.1	%	0.33				0.34%
Sc Radial	218178.3	99.9	%	0.17				0.17%
Ag 328.068†	25194.9	203	ug/L	0.6	203	ug/L	0.6	0.30%
Al 308.215†	155261.3	51600	ug/L	99.6	51600	ug/L	99.6	0.19%
As 188.979†	633.6	525	ug/L	3.7	525	ug/L	3.7	0.70%
Ba 233.527†	186110.0	1590	ug/L	5.6	1590	ug/L	5.6	0.35%
Be 234.861†	96958.3	539	ug/L	1.9	539	ug/L	1.9	0.35%
Ca 315.887†	611886.3	52100	ug/L	54.4	52100	ug/L	54.4	0.10%
Cd 226.502†	4192.5	531	ug/L	3.4	531	ug/L	3.4	0.64%
Co 228.616†	12005.7	530	ug/L	2.2	530	ug/L	2.2	0.42%
Cr 267.716†	16471.0	523	ug/L	0.5	523	ug/L	0.5	0.09%
Cu 324.752†	164546.4	519	ug/L	1.0	519	ug/L	1.0	0.20%
Fe 259.939†	801881.9	52500	ug/L	77.7	52500	ug/L	77.7	0.15%
K 766.490†	253686.2	51100	ug/L	79.3	51100	ug/L	79.3	0.16%
Li 460.286†	81967.1	4970	ug/L	14.3	4970	ug/L	14.3	0.29%
Mg 279.077†	551677.4	50500	ug/L	51.0	50500	ug/L	51.0	0.10%
Mn 257.610†	295778.8	525	ug/L	1.3	525	ug/L	1.3	0.25%
Mo 202.031†	1641.3	548	ug/L	3.0	548	ug/L	3.0	0.55%
Na 589.592†	648329.1	51800	ug/L	231.8	51800	ug/L	231.8	0.45%
Ni 231.604†	5253.3	518	ug/L	2.9	518	ug/L	2.9	0.56%
Pb 220.353†	779.0	539	ug/L	10.3	539	ug/L	10.3	1.91%
Sb 206.836†	992.7	551	ug/L	5.3	551	ug/L	5.3	0.97%
Se 196.026†	427.3	538	ug/L	12.3	538	ug/L	12.3	2.28%
Sn 189.927†	761.5	558	ug/L	2.2	558	ug/L	2.2	0.40%
Sr 421.552†	428772.3	495	ug/L	0.9	495	ug/L	0.9	0.18%
Ti 334.940†	263845.5	524	ug/L	1.3	524	ug/L	1.3	0.25%
Tl 190.801†	722.1	506	ug/L	5.8	506	ug/L	5.8	1.14%
V 292.402†	15861.1	542	ug/L	1.4	542	ug/L	1.4	0.27%
Zn 206.200†	7064.4	547	ug/L	2.5	547	ug/L	2.5	0.46%

Sequence No.: 42
Sample ID: 244243
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 64
Date Collected: 6/22/2007 2:40:32 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 244243

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1623289.1	97.2	%	0.36				0.37%
Sc Radial	219284.4	100	%	0.7				0.68%
Ag 328.068†	24715.1	199	ug/L	0.7	199	ug/L	0.7	0.37%
Al 308.215†	150402.8	49900	ug/L	214.8	49900	ug/L	214.8	0.43%
As 188.979†	616.9	512	ug/L	3.8	512	ug/L	3.8	0.75%
Ba 233.527†	181298.8	1550	ug/L	2.8	1550	ug/L	2.8	0.18%
Be 234.861†	94620.1	526	ug/L	3.2	526	ug/L	3.2	0.60%
Ca 315.887†	594696.9	50700	ug/L	250.9	50700	ug/L	250.9	0.50%
Cd 226.502†	4074.0	516	ug/L	2.1	516	ug/L	2.1	0.41%
Co 228.616†	11760.3	519	ug/L	2.2	519	ug/L	2.2	0.42%
Cr 267.716†	16050.7	509	ug/L	1.6	509	ug/L	1.6	0.31%
Cu 324.752†	160695.0	507	ug/L	1.7	507	ug/L	1.7	0.34%
Fe 259.939†	778820.0	51000	ug/L	134.4	51000	ug/L	134.4	0.26%
K 766.490†	246107.4	49600	ug/L	204.3	49600	ug/L	204.3	0.41%
Li 460.286†	79532.2	4820	ug/L	4.7	4820	ug/L	4.7	0.10%
Mg 279.077†	536041.0	49000	ug/L	399.2	49000	ug/L	399.2	0.81%
Mn 257.610†	288319.1	511	ug/L	0.6	511	ug/L	0.6	0.12%
Mo 202.031†	1587.0	530	ug/L	6.1	530	ug/L	6.1	1.15%
Na 589.592†	624227.1	49900	ug/L	166.5	49900	ug/L	166.5	0.33%
Ni 231.604†	5096.3	503	ug/L	2.8	503	ug/L	2.8	0.55%
Pb 220.353†	756.4	523	ug/L	3.7	523	ug/L	3.7	0.72%
Sb 206.836†	955.3	530	ug/L	8.7	530	ug/L	8.7	1.63%
Se 196.026†	417.5	526	ug/L	4.2	526	ug/L	4.2	0.79%
Sn 189.927†	737.0	540	ug/L	6.0	540	ug/L	6.0	1.12%
Sr 421.552†	414850.7	479	ug/L	1.7	479	ug/L	1.7	0.35%
Ti 334.940†	256904.5	510	ug/L	0.8	510	ug/L	0.8	0.16%
Tl 190.801†	712.5	500	ug/L	4.2	500	ug/L	4.2	0.85%
V 292.402†	15517.4	530	ug/L	1.0	530	ug/L	1.0	0.18%
Zn 206.200†	6824.3	528	ug/L	1.7	528	ug/L	1.7	0.32%

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Sequence No.: 43 **Autosampler Location: 65**
Sample ID: 250699408 **Date Collected: 6/22/2007 2:44:34 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250699408

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1592332.9	95.3	%	0.23				0.24%
Sc Radial	214529.4	98.3	%	0.22				0.23%
Ag 328.068†	-274.7	0.636	ug/L	0.3733	0.636	ug/L	0.3733	58.72%
Al 308.215†	29255.8	9710	ug/L	1.7	9710	ug/L	1.7	0.02%
As 188.979†	-1.9	-18.5	ug/L	3.92	-18.5	ug/L	3.92	21.21%
Ba 233.527†	9728.3	86.8	ug/L	0.84	86.8	ug/L	0.84	0.97%
Be 234.861†	226.8	0.735	ug/L	0.0396	0.735	ug/L	0.0396	5.38%
Ca 315.887†	5573200.4	475000	ug/L	1918.8	475000	ug/L	1918.8	0.40%
Cd 226.502†	173.7	-25.5	ug/L	0.66	-25.5	ug/L	0.66	2.59%
Co 228.616†	138.7	5.23	ug/L	0.113	5.23	ug/L	0.113	2.16%
Cr 267.716†	2476.6	78.1	ug/L	0.82	78.1	ug/L	0.82	1.04%
Cu 324.752†	14840.0	53.8	ug/L	0.51	53.8	ug/L	0.51	0.95%
Fe 259.939†	203681.8	13300	ug/L	18.1	13300	ug/L	18.1	0.14%
K 766.490†	2662.4	531	ug/L	3.5	531	ug/L	3.5	0.66%
Li 460.286†	1437.8	0.561	ug/L	3.8442	0.561	ug/L	3.8442	684.86%
Mg 279.077†	28810.3	2640	ug/L	35.4	2640	ug/L	35.4	1.34%
Mn 257.610†	95559.7	170	ug/L	1.9	170	ug/L	1.9	1.10%
Mo 202.031†	-19.4	-5.74	ug/L	0.818	-5.74	ug/L	0.818	14.26%
Na 589.592†	49055.5	3900	ug/L	2.8	3900	ug/L	2.8	0.07%
Ni 231.604†	156.7	15.5	ug/L	0.21	15.5	ug/L	0.21	1.38%
Pb 220.353†	459.3	369	ug/L	7.3	369	ug/L	7.3	1.97%
Sb 206.836†	26.5	-19.6	ug/L	1.01	-19.6	ug/L	1.01	5.13%
Se 196.026†	-9.3	-8.02	ug/L	10.512	-8.02	ug/L	10.512	131.12%
Sn 189.927†	-10.0	2.01	ug/L	1.190	2.01	ug/L	1.190	59.25%
Sr 421.552†	2297875.6	2650	ug/L	10.7	2650	ug/L	10.7	0.40%
Ti 334.940†	74958.4	149	ug/L	1.6	149	ug/L	1.6	1.09%
Tl 190.801†	-6.3	-1.66	ug/L	8.346	-1.66	ug/L	8.346	503.70%
V 292.402†	867.0	30.6	ug/L	0.43	30.6	ug/L	0.43	1.39%
Zn 206.200†	6209.4	484	ug/L	4.1	484	ug/L	4.1	0.85%

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Sequence No.: 44 **Autosampler Location: 66**
Sample ID: 250699408L **Date Collected: 6/22/2007 2:48:51 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 5X **Sample Prep Vol:**

Mean Data: 250699408L

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1660058.9	99.4	%	0.48				0.48%
Sc Radial	219294.5	100	%	0.9				0.90%
Ag 328.068†	-74.1	0.180	ug/L	0.2664	0.900	ug/L	1.3320	148.00%
Al 308.215†	6004.1	1990	ug/L	22.5	9970	ug/L	112.7	1.13%
As 188.979†	-0.8	-4.98	ug/L	1.770	-24.9	ug/L	8.85	35.53%
Ba 233.527†	2021.6	18.1	ug/L	0.10	90.5	ug/L	0.50	0.55%
Be 234.861†	63.5	0.278	ug/L	0.0442	1.39	ug/L	0.221	15.91%
Ca 315.887†	1171925.3	99800	ug/L	1980.3	499000	ug/L	9901.6	1.98%
Cd 226.502†	69.6	-1.03	ug/L	0.430	-5.17	ug/L	2.149	41.54%
Co 228.616†	37.8	1.26	ug/L	0.271	6.28	ug/L	1.357	21.58%
Cr 267.716†	483.8	14.9	ug/L	0.11	74.5	ug/L	0.56	0.75%
Cu 324.752†	3033.6	10.7	ug/L	0.27	53.7	ug/L	1.37	2.56%
Fe 259.939†	43919.0	2880	ug/L	26.4	14400	ug/L	132.1	0.92%
K 766.490†	509.2	96.8	ug/L	5.85	484	ug/L	29.2	6.04%
Li 460.286†	140.7	-8.83	ug/L	2.834	-44.2	ug/L	14.17	32.08%
Mg 279.077†	6187.5	568	ug/L	11.9	2840	ug/L	59.3	2.09%
Mn 257.610†	20370.2	35.9	ug/L	0.30	180	ug/L	1.5	0.83%
Mo 202.031†	-19.0	-6.27	ug/L	1.100	-31.4	ug/L	5.50	17.54%
Na 589.592†	9903.5	776	ug/L	8.6	3880	ug/L	43.1	1.11%
Ni 231.604†	36.6	3.90	ug/L	0.694	19.5	ug/L	3.47	17.79%
Pb 220.353†	92.7	74.0	ug/L	4.06	370	ug/L	20.3	5.49%
Sb 206.836†	14.8	-2.71	ug/L	1.990	-13.6	ug/L	9.95	73.34%
Se 196.026†	-7.2	-9.28	ug/L	1.397	-46.4	ug/L	6.98	15.06%
Sn 189.927†	-10.2	-6.35	ug/L	3.225	-31.8	ug/L	16.13	50.76%
Sr 421.552†	479143.1	552	ug/L	11.4	2760	ug/L	57.2	2.07%
Ti 334.940†	15575.7	31.0	ug/L	0.25	155	ug/L	1.2	0.80%
Tl 190.801†	7.3	9.58	ug/L	2.713	47.9	ug/L	13.56	28.31%
V 292.402†	165.4	5.95	ug/L	0.114	29.7	ug/L	0.57	1.91%
Zn 206.200†	1381.3	108	ug/L	0.2	539	ug/L	1.2	0.23%

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Sequence No.: 45
Sample ID: 250699409
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 67
Date Collected: 6/22/2007 2:53:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250699409

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1518228.8	90.9	%	0.24				0.26%
Sc Radial	209102.1	95.8	%	0.21				0.22%
Ag 328.068†	25735.9	212	ug/L	0.6	212	ug/L	0.6	0.29%
Al 308.215†	197786.1	65700	ug/L	138.5	65700	ug/L	138.5	0.21%
As 188.979†	632.7	492	ug/L	2.6	492	ug/L	2.6	0.54%
Ba 233.527†	193581.4	1660	ug/L	2.8	1660	ug/L	2.8	0.17%
Be 234.861†	99955.1	555	ug/L	1.9	555	ug/L	1.9	0.34%
Ca 315.887†	11507543.4	980000	ug/L	7157.5	980000	ug/L	7157.5	0.73%
Cd 226.502†	4155.8	434	ug/L	1.9	434	ug/L	1.9	0.44%
Co 228.616†	11231.6	495	ug/L	2.2	495	ug/L	2.2	0.45%
Cr 267.716†	18770.7	595	ug/L	1.4	595	ug/L	1.4	0.24%
Cu 324.752†	190452.6	615	ug/L	0.2	615	ug/L	0.2	0.03%
Fe 259.939†	1038959.5	68000	ug/L	69.7	68000	ug/L	69.7	0.10%
K 766.490†	268473.4	54100	ug/L	93.7	54100	ug/L	93.7	0.17%
Li 460.286†	90636.1	5390	ug/L	5.6	5390	ug/L	5.6	0.10%
Mg 279.077†	590566.7	54000	ug/L	164.7	54000	ug/L	164.7	0.30%
Mn 257.610†	466140.4	828	ug/L	1.0	828	ug/L	1.0	0.12%
Mo 202.031†	1551.9	519	ug/L	2.7	519	ug/L	2.7	0.53%
Na 589.592†	757127.0	60500	ug/L	414.4	60500	ug/L	414.4	0.69%
Ni 231.604†	5017.0	495	ug/L	1.7	495	ug/L	1.7	0.34%
Pb 220.353†	1399.7	1070	ug/L	7.3	1070	ug/L	7.3	0.69%
Sb 206.836†	783.0	376	ug/L	3.2	376	ug/L	3.2	0.84%
Se 196.026†	423.1	539	ug/L	14.6	539	ug/L	14.6	2.71%
Sn 189.927†	698.6	532	ug/L	4.3	532	ug/L	4.3	0.81%
Sr 421.552†	4392683.4	5060	ug/L	31.1	5060	ug/L	31.1	0.61%
Ti 334.940†	333757.4	663	ug/L	2.6	663	ug/L	2.6	0.39%
Tl 190.801†	690.9	482	ug/L	2.4	482	ug/L	2.4	0.50%
V 292.402†	16928.6	579	ug/L	2.0	579	ug/L	2.0	0.34%
Zn 206.200†	13509.2	1050	ug/L	3.5	1050	ug/L	3.5	0.33%

Sequence No.: 46 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 6/22/2007 2:57:31 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1631666.0	97.7	%	0.44				0.45%
Sc Radial	220181.1	101	%	0.2				0.17%
Ag 328.068†	63282.0	504	ug/L	0.4	504	ug/L	0.4	0.08%
QC value within limits for Ag 328.068 Recovery = 100.72%								
Al 308.215†	74637.5	24800	ug/L	33.4	24800	ug/L	33.4	0.13%
QC value within limits for Al 308.215 Recovery = 99.13%								
As 188.979†	630.3	523	ug/L	4.3	523	ug/L	4.3	0.83%
QC value within limits for As 188.979 Recovery = 104.50%								
Ba 233.527†	59364.0	508	ug/L	0.9	508	ug/L	0.9	0.17%
QC value within limits for Ba 233.527 Recovery = 101.59%								
Be 234.861†	92820.4	516	ug/L	4.0	516	ug/L	4.0	0.78%
QC value within limits for Be 234.861 Recovery = 103.24%								
Ca 315.887†	294544.9	25100	ug/L	80.3	25100	ug/L	80.3	0.32%
QC value within limits for Ca 315.887 Recovery = 100.37%								
Cd 226.502†	4017.4	512	ug/L	1.2	512	ug/L	1.2	0.23%
QC value within limits for Cd 226.502 Recovery = 102.49%								
Co 228.616†	11793.8	520	ug/L	1.4	520	ug/L	1.4	0.28%
QC value within limits for Co 228.616 Recovery = 103.99%								
Cr 267.716†	16045.9	509	ug/L	2.2	509	ug/L	2.2	0.43%
QC value within limits for Cr 267.716 Recovery = 101.83%								
Cu 324.752†	155674.1	491	ug/L	2.6	491	ug/L	2.6	0.53%
QC value within limits for Cu 324.752 Recovery = 98.15%								
Fe 259.939†	616475.0	40400	ug/L	101.6	40400	ug/L	101.6	0.25%
QC value within limits for Fe 259.939 Recovery = 100.94%								
K 766.490†	121889.1	24600	ug/L	68.5	24600	ug/L	68.5	0.28%
QC value within limits for K 766.490 Recovery = 98.21%								
Li 460.286†	80786.9	4950	ug/L	8.5	4950	ug/L	8.5	0.17%
Mg 279.077†	273622.5	25000	ug/L	99.9	25000	ug/L	99.9	0.40%
QC value within limits for Mg 279.077 Recovery = 100.18%								
Mn 257.610†	288386.3	512	ug/L	1.9	512	ug/L	1.9	0.37%
QC value within limits for Mn 257.610 Recovery = 102.45%								
Mo 202.031†	1574.9	525	ug/L	2.4	525	ug/L	2.4	0.45%
QC value within limits for Mo 202.031 Recovery = 104.98%								
Na 589.592†	310258.6	24800	ug/L	110.1	24800	ug/L	110.1	0.44%
QC value within limits for Na 589.592 Recovery = 99.08%								
Ni 231.604†	5157.4	509	ug/L	1.3	509	ug/L	1.3	0.25%
QC value within limits for Ni 231.604 Recovery = 101.83%								
Pb 220.353†	754.7	520	ug/L	4.9	520	ug/L	4.9	0.94%
QC value within limits for Pb 220.353 Recovery = 104.01%								
Sb 206.836†	942.4	524	ug/L	2.2	524	ug/L	2.2	0.43%
QC value within limits for Sb 206.836 Recovery = 104.84%								
Se 196.026†	417.7	522	ug/L	9.3	522	ug/L	9.3	1.79%
QC value within limits for Se 196.026 Recovery = 104.36%								
Sn 189.927†	570.4	417	ug/L	5.0	417	ug/L	5.0	1.19%
QC value within limits for Sn 189.927 Recovery = 104.37%								
Sr 421.552†	345321.3	399	ug/L	2.0	399	ug/L	2.0	0.51%
QC value within limits for Sr 421.552 Recovery = 99.76%								
Ti 334.940†	204856.6	407	ug/L	1.3	407	ug/L	1.3	0.31%
QC value within limits for Ti 334.940 Recovery = 101.76%								
Tl 190.801†	713.8	502	ug/L	5.0	502	ug/L	5.0	1.00%
QC value within limits for Tl 190.801 Recovery = 100.33%								
V 292.402†	15154.0	516	ug/L	1.9	516	ug/L	1.9	0.36%
QC value within limits for V 292.402 Recovery = 103.28%								
Zn 206.200†	6766.5	525	ug/L	0.6	525	ug/L	0.6	0.12%
QC value within limits for Zn 206.200 Recovery = 104.95%								

All analyte(s) passed QC.

Sequence No.: 47 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 6/22/2007 3:01:47 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1630441.9	97.6	%	0.51				0.52%
Sc Radial	215497.7	98.7	%	0.23				0.24%
Ag 328.068†	-49.3	-0.173	ug/L	0.1491	-0.173	ug/L	0.1491	86.31%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	14.9	4.94	ug/L	1.362	4.94	ug/L	1.362	27.55%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	4.3	2.60	ug/L	2.770	2.60	ug/L	2.770	106.55%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-5.1	0.006	ug/L	0.0950	0.006	ug/L	0.0950	>999.9%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	0.2	0.049	ug/L	0.0262	0.049	ug/L	0.0262	52.93%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	69.3	9.68	ug/L	1.593	9.68	ug/L	1.593	16.45%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	-2.8	-0.273	ug/L	0.3690	-0.273	ug/L	0.3690	134.96%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	2.3	-0.182	ug/L	0.1356	-0.182	ug/L	0.1356	74.38%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	8.6	-0.164	ug/L	0.3808	-0.164	ug/L	0.3808	232.61%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	110.0	-0.028	ug/L	0.0292	-0.028	ug/L	0.0292	103.00%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	-7.7	-1.27	ug/L	0.220	-1.27	ug/L	0.220	17.36%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-36.9	-13.2	ug/L	4.92	-13.2	ug/L	4.92	37.30%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	-101.8	-4.33	ug/L	5.464	-4.33	ug/L	5.464	126.07%
Mg 279.077†	-14.3	-0.459	ug/L	1.2919	-0.459	ug/L	1.2919	281.59%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	7.1	-0.321	ug/L	0.0602	-0.321	ug/L	0.0602	18.76%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-0.6	-0.343	ug/L	0.9535	-0.343	ug/L	0.9535	278.37%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-75.8	-21.6	ug/L	3.16	-21.6	ug/L	3.16	14.63%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-3.2	0.024	ug/L	0.6206	0.024	ug/L	0.6206	>999.9%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	1.4	-0.093	ug/L	0.6861	-0.093	ug/L	0.6861	735.84%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	2.8	-3.21	ug/L	3.442	-3.21	ug/L	3.442	107.15%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	2.3	1.18	ug/L	1.801	1.18	ug/L	1.801	152.28%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-1.1	-1.87	ug/L	1.166	-1.87	ug/L	1.166	62.37%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	58.1	0.218	ug/L	0.0266	0.218	ug/L	0.0266	12.21%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	-20.0	-0.010	ug/L	0.0664	-0.010	ug/L	0.0664	642.15%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-0.2	4.45	ug/L	2.307	4.45	ug/L	2.307	51.83%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-7.0	-0.091	ug/L	0.1672	-0.091	ug/L	0.1672	183.80%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	2.3	0.231	ug/L	0.3443	0.231	ug/L	0.3443	149.07%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
17375	ICP_ICSA			6/29/2007	1000 ML	3/5/2007	llgates

225000 UG/L: Iron
250000 UG/L: Aluminum, Calcium, Magnesium

COMPOSED OF:

16329: 12.5 ML 17374: 50 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18305	ICP_ICSAB			6/29/2007	1000 ML	5/1/2007	llgates

100 UG/L: Arsenic, Thallium
1000 UG/L: Cadmium, Lithium, Nickel, Zinc
200 UG/L: Silver
225000 UG/L: Iron
250000 UG/L: Aluminum, Calcium, Magnesium
50 UG/L: Lead, Selenium
500 UG/L: Barium, Beryllium, Chromium, Cobalt, Copper, Manganese, Molybdenum, Strontium, Tin, Titanium, Vanadium
600 UG/L: Antimony

COMPOSED OF:

15521: 0.5 ML 15524: 0.5 ML 15667: 10 ML 16329: 12.5 ML 17374: 50 ML 17378: 0.5 ML 17380: 0.5 ML 18306: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18567	ICP_ICV			2/12/2008	500 ML	5/14/2007	llgates

1200 UG/L: Barium
160 UG/L: Silver
400 UG/L: Antimony, Arsenic, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc
4000 UG/L: Lithium
40000 UG/L: Aluminum, Calcium, Iron, Magnesium, Potassium, Sodium

COMPOSED OF:

16988: 8 ML 17742: 8 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18965	ICP_MIN_SPK	CPI	06L181	6/4/2008	1000 ML	4/9/2007	llgates

10000 UG/L: Silver
25000 UG/L: Antimony, Arsenic, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc
250000 UG/L: Lithium
75000 UG/L: Barium

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18966	ICP_CAL5			6/29/2007	250 ML	6/4/2007	llgates

250000 UG/L: Aluminum, Calcium, Magnesium, Potassium, Sodium
4000 UG/L: Strontium, Tin, Titanium
400000 UG/L: Iron
5000 UG/L: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
50000 UG/L: Lithium

COMPOSED OF:

15788: 50 ML 16424: 12.5 ML 17374: 12.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18967	ICP_CAL4/CCV			6/29/2007	500 ML	6/4/2007	llgates

25000 UG/L: Aluminum, Calcium, Magnesium, Potassium, Sodium
400 UG/L: Strontium, Tin, Titanium
40000 UG/L: Iron
500 UG/L: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
5000 UG/L: Lithium

COMPOSED OF:

18966: 50 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18968	ICP_CAL3			6/29/2007	250 ML	6/4/2007	llgates

2500 UG/L: Aluminum, Calcium, Magnesium, Potassium, Sodium
40 UG/L: Strontium, Tin, Titanium
4000 UG/L: Iron
50 UG/L: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
500 UG/L: Lithium

COMPOSED OF:

18966: 2.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18969	ICP_CAL2			6/29/2007	250 ML	6/4/2007	llgates

250 UG/L: Aluminum, Calcium, Magnesium, Potassium, Sodium
4 UG/L: Strontium, Tin, Titanium
400 UG/L: Iron
5 UG/L: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
50 UG/L: Lithium

COMPOSED OF:

18966: 0.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18970	ICP_CAL1			6/29/2007	250 ML	6/4/2007	llgates

0.4 UG/L: Strontium, Tin, Titanium
0.5 UG/L: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
25 UG/L: Aluminum, Calcium, Magnesium, Potassium, Sodium
40 UG/L: Iron
5 UG/L: Lithium

COMPOSED OF:

18966: 0.025 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19433	ICP_MAJ_SPK	CPI	07D122	6/21/2008	1000 ML	4/24/2007	llgates

2500000 UG/L: Aluminum, Calcium, Iron, Magnesium, Potassium, Sodium

Raw Data Inorganics/Wet Chemistry

TDS

Analyst Chemist **Units** mg/L **QCStandard:** 18607 **QC TV:** 441

APGL 1 **temp** 104 **LCSStandard:** 18614 **LCS TV:** 258

BATCH_NUMBER 14502 **Method** 160.1W

POS	HSN	SAMPLE ID	SAMPLE TYPE	Initial Weight	Final Weight	Total Weight	Filt Res	RPD	Perc Rec	Crucible No	Vol	Dil_F	Final Wt Ver	Final Wt Diff
1	243618	QC for HBN 416551	QC	111.129	111.1679	0.0389	389		88.2	92	100	1	111.168	0.00010
2	243619	MB for HBN 416551	MB	113.919	113.9189	0	0			330	100	1	113.9187	0.0002
3	243620	G14502LCS	BS	108.718	108.7419	0.02400	240.0		93.0	73	100	1	108.741	0.00090
4	243621	LCSD for HBN 416551	LCSD	96.4777	96.5022	0.02450	245.0	2.06	95	1	100	1	96.50209	0.00011
5	250694101	TO05MW43ABL	N	115.215	115.2237	0.0089	89			207	100	1	115.2237	0
6	243622	TO05MW43ABL(250694101SAMD	D	99.9736	99.9833	0.0097	97	8.60		76	100	1	99.9831	0.00020
7	250694102	TO05MW43BBL	N	98.3912	98.3992	0.008	80			42	100	1	98.3997	0.00050
8	250695901	DISCHARGE	N	95.4041	95.4359	0.03180	318.0			176	100	1	95.4357	0.00020
9	250696401	TO05MW40ABL	N	112.834	112.8426	0.00880	88.00			4	100	1	112.8423	0.00030
10	250696404	TO05MW40BBL	N	99.6954	99.7028	0.0074	74			97	100	1	99.7025	0.0003
11	250696405	TO05FD02BL	N	97.9215	97.93	0.00850	85.00			134	100	1	97.9297	0.00030
12	243623	MB for HBN 416551	MB	96.9445	96.9446	1E-04	1			37	100	1	96.9445	1E-04

Alkalinity
Method 310.1

Instrument ID Orion M1

Analyst:	EJB
Date:	6/19/07
Time:	13:40:00

Sequence #	ALK061907
Batch #	14355

Reagents:

Sulfuric Acid (0.02N)		Buffer pH 4		Buffer pH 7	
IS#	12858	IS#	16908	IS#	16907
Lot#	1604536	Lot#	A7016	Lot#	A7023
Exp. Date	4/30/08	Exp. Date	1/31/09	Exp. Date	1/31/11

Standards

QC (50 ppm) (2 mL into 100 mL of DI)		**LCS** (50 ppm) (2 mL into 100 mL of DI)		**MS** (50 ppm) (2 mL into 100 mL)	
IS#	16186	IS#	16185	IS#	16185
Lot#	6058	Lot#	6058	Lot#	6058
Exp. Date	8/31/07	Exp. Date	8/31/07	Exp. Date	8/31/07

Sample ID	Container #	Position #	Vol. (mL)	Dilution	Notes			
Corr. Blk	X	1	100	X				
Blk	X	2	100	X				
LCS	X	3	100	X	Acceptance Criteria 80-120			
LCSD	X	4	100	X	Acceptance Criteria 80-120			
QC	X	5	100	X	Acceptance Criteria 80-120			
250696401	7	6	100	X				
250696402	7	7	100	X	Acceptance Criteria 75-125			
250696403	7	8	100	X	Acceptance Criteria 75-125			
250696404	8	9	100	X				
250696405	6	10	100	X				
Blk	X	11	100	X				
250696407	2	12	100	X				
250696408	2	13	100	X				
Blk	X	14	100	X				

BeakerNbr
1

BeakerNbr
2

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	3	6/19/2007	14:09	1:pH	1	5.98	3		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/19/2007	14:10	1:pH	2	3		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
4.831	0.483	130.6	4.5	0.033

Cont. Blank

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	4	6/19/2007	14:12	1:pH	1	5.26	4		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/19/2007	14:13	1:pH	2	4		8	

Endpoints 1

Blk

Result	Vol	mV	pH	Excess Titre
3.139	0.314	130.6	4.5	0.202

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	5	6/19/2007	14:14	1:pH	1	9.98	5		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/19/2007	14:16	1:pH	2	5		8	

Endpoints 1

LCS

Result	Vol	mV	pH	Excess Titre
54.54	5.454	130.6	4.5	0.22

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	6	6/19/2007	14:20	1:pH	1	9.96	6		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test

_____	6/19/2007	14:21	1:pH		2	6	_____	8	_____	
Endpoints		1								
Result	Vol	mV	pH	Excess Titre						
54.29	5.429	130.6	4.5	0.245						

LCS

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
_____	7	6/19/2007	14:25	1:pH	1	9.95	7	_____	5	_____

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
_____	6/19/2007	14:26	1:pH	2	7	_____	8	_____
Endpoints		1						
Result	Vol	mV	pH	Excess Titre				
54.06	5.406	130.6	4.5	0.268				

QC

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
_____	8	6/19/2007	14:30	1:pH	1	5.01	696401	_____	5	_____

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
_____	6/19/2007	14:32	1:pH	2	696401	_____	8	_____
Endpoints		1						
Result	Vol	mV	pH	Excess Titre				
8.017	0.802	130.6	4.5	0.23				

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
_____	9	6/19/2007	14:34	1:pH	1	5.97	696402	_____	5	_____

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
_____	6/19/2007	14:36	1:pH	2	696402	_____	8	_____
Endpoints		1						
Result	Vol	mV	pH	Excess Titre				
55.85	5.585	130.6	4.5	0.089				

MS

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
_____	10	6/19/2007	14:40	1:pH	1	5.99	696403	_____	5	_____

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
_____	6/19/2007	14:41	1:pH	2	696403	_____	8	_____

2506964

Endpoints 1

Result	Vol	mV	pH	Excess Titre
55.1	5.51	130.6	4.5	0.164

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	11	6/19/2007	14:45	1:pH	1	5.21	696404		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/19/2007	14:46	1:pH	2	696404		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
17.98	1.798	130.6	4.5	0.266

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	12	6/19/2007	14:49	1:pH	1	5.16	696405		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/19/2007	14:50	1:pH	2	696405		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
17.98	1.798	130.6	4.5	0.266

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	13	6/19/2007	14:52	1:pH	1	5.27	13		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/19/2007	14:53	1:pH	2	13		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
3.637	0.364	130.6	4.5	0.152

BeakerNbr
1

BeakerNbr
2

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	3	6/19/2007	15:21	1:pH	1	4.94	696407		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/19/2007	15:21	1:pH	2	696407		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
23.05	2.305	130.6	4.5	0.274

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	4	6/19/2007	15:24	1:pH	1	6.05	696408		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/19/2007	15:26	1:pH	2	696408		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
53.43	5.343	130.6	4.5	0.331

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	5	6/19/2007	15:30	1:pH	1	5.26	5		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/19/2007	15:31	1:pH	2	5		8	

Endpoints 1

BIK

Result	Vol	mV	pH	Excess Titre
3.549	0.355	130.6	4.5	0.161

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
	6	6/19/2007	15:33	1:pH	1	5.11	6		5	

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
	6/19/2007	15:36	1:pH	2	6		8	

Endpoints 1

Result	Vol	mV	pH	Excess Titre
3.169	0.317	130.6	4.5	0.199

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test

_____	7	6/19/2007	15:38	1:pH	1	4.99	7	_____	5	_____

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
_____	6/19/2007	15:40	1:pH	2	7	_____	8	_____

Endpoints 1

Result	Vol	mV	pH	Excess Titre
2.774	0.277	130.6	4.5	0.238

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
_____	8	6/19/2007	15:42	1:pH	1	4.98	8	_____	5	_____

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
_____	6/19/2007	15:45	1:pH	2	8	_____	8	_____

Endpoints 1

Result	Vol	mV	pH	Excess Titre
2.887	0.289	130.6	4.5	0.227

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
_____	9	6/19/2007	15:46	1:pH	1	4.97	9	_____	5	_____

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
_____	6/19/2007	15:48	1:pH	2	9	_____	8	_____

Endpoints 1

Result	Vol	mV	pH	Excess Titre
2.657	0.266	130.6	4.5	0.25

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
_____	10	6/19/2007	15:50	1:pH	1	5.09	10	_____	5	_____

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
_____	6/19/2007	15:51	1:pH	2	10	_____	8	_____

Endpoints 1

Result	Vol	mV	pH	Excess Titre
2.806	0.281	130.6	4.5	0.235

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
_____	11	6/19/2007	15:52	1:pH	1	5.07	11	_____	5	_____

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
_____	6/19/2007	15:55	1:pH	2	11	_____	8	_____

Endpoints	1			
Result	Vol	mV	pH	Excess Titre
2.969	0.297	130.6	4.5	0.219

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
_____	12	6/19/2007	15:57	1:pH	1	4.83	12	_____	5	_____

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
_____	6/19/2007	15:59	1:pH	2	12	_____	8	_____

Endpoints	1			
Result	Vol	mV	pH	Excess Titre
2.012	0.201	130.6	4.5	0.315

Analyst	BeakerNbr	Date	Time	Electrode	MethodNbr	pH Result	Sample ID	Site	Technique	Test
_____	13	6/19/2007	16:01	1:pH	1	4.93	13	_____	5	_____

Analyst	Date	Time	Electrode	MethodNbr	Sample ID	Site	Technique	Test
_____	6/19/2007	16:03	1:pH	2	13	_____	8	_____

Endpoints	1			
Result	Vol	mV	pH	Excess Titre
2.613	0.261	130.6	4.5	0.255

Schedule File: C:\PeakNet\Schedule\a062107.sch

Line	Sample	Sample Type	Level	Method	Data File	Volume	Dilution	Weight	Int. Std.	Comment
1	Blk	Sample		300.met	d:\peaknetdata\a062107\1_001.dxd	1	1	1	1	
2	Blk	Sample		300.met	d:\peaknetdata\a062107\2_002.dxd	1	1	1	1	
3	ICV	Sample		300.met	d:\peaknetdata\a062107\3_003.dxd	1	1	1	1	
4	ICB	Sample		300.met	d:\peaknetdata\a062107\4_004.dxd	1	1	1	1	
5	MB	Sample		300.met	d:\peaknetdata\a062107\5_005.dxd	1	1	1	1	
6	LCS	Sample		300.met	d:\peaknetdata\a062107\6_006.dxd	1	1	1	1	
7	LCSD	Sample		300.met	d:\peaknetdata\a062107\7_007.dxd	1	1	1	1	
8	250692503	Sample		300.met	d:\peaknetdata\a062107\8_008.dxd	1	10	1	1	Reanalysis - SO4
9	250692505	Sample		300.met	d:\peaknetdata\a062107\9_009.dxd	1	10	1	1	Reanalysis - SO4
10	250692506	Sample		300.met	d:\peaknetdata\a062107\10_010.dxd	1	10	1	1	Reanalysis - SO4
11	250694101	Sample		300.met	d:\peaknetdata\a062107\11_011.dxd	1	1	1	1	Br Only
12	250694102	Sample		300.met	d:\peaknetdata\a062107\12_012.dxd	1	1	1	1	Br Only
13	250694103	Sample		300.met	d:\peaknetdata\a062107\13_013.dxd	1	1	1	1	Br Only
14	250694104	Sample		300.met	d:\peaknetdata\a062107\14_014.dxd	1	1	1	1	Br Only
15	CCV	Sample		300.met	d:\peaknetdata\a062107\15_015.dxd	1	1	1	1	
16	CCB	Sample		300.met	d:\peaknetdata\a062107\16_016.dxd	1	1	1	1	
17	250694105	Sample		300.met	d:\peaknetdata\a062107\17_017.dxd	1	1	1	1	Br Only
18	250696401	Sample		300.met	d:\peaknetdata\a062107\18_018.dxd	1	1	1	1	Br Only
19	250696402	Sample		300.met	d:\peaknetdata\a062107\19_019.dxd	1	1	1	1	696401 - MS
20	250696403	Sample		300.met	d:\peaknetdata\a062107\20_020.dxd	1	1	1	1	696401 - MSD
21	250696404	Sample		300.met	d:\peaknetdata\a062107\21_021.dxd	1	1	1	1	Br Only
22	250696405	Sample		300.met	d:\peaknetdata\a062107\22_022.dxd	1	1	1	1	Br Only
23	250696407	Sample		300.met	d:\peaknetdata\a062107\23_023.dxd	1	1	1	1	Br Only
24	250696408	Sample		300.met	d:\peaknetdata\a062107\24_024.dxd	1	1	1	1	Br Only
25	CCV	Sample		300.met	d:\peaknetdata\a062107\25_025.dxd	1	1	1	1	
26	CCB	Sample		300.met	d:\peaknetdata\a062107\26_026.dxd	1	1	1	1	
27	SHUT	Sample		shut.met	27	1	1	1	1	

Default Method Path: C:\PEAKNET\METHOD
Default Data Path: D:\PEAKNETDATA\A032707
Comment:

Sample Analysis Report

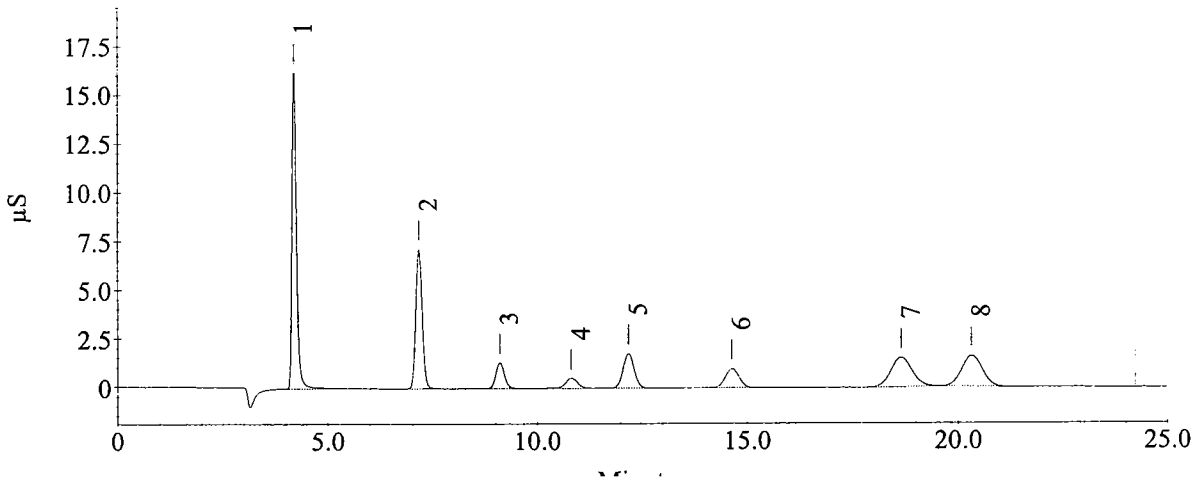
Sample Name : ICV
Data File Name : D:\PEAKNETDATA\A062107\3_003.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/21/07 5:56:44 PM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.20	8.04	1212108	162049	0.92
2	Chloride	7.17	7.62	760668	71505	0.98
3	Nitrite as N	9.10	0.91	192220	13358	0.98
4	DCA	10.82	5.17	107168	5185	0.97
5	Bromide	12.18	7.95	323278	17637	1.01
6	Nitrate as N	14.63	0.91	220742	9773	1.02
7	Phosphate as P	18.65	5.26	525782	15067	0.98
8	Sulfate	20.32	7.05	533553	15717	1.01

ICV



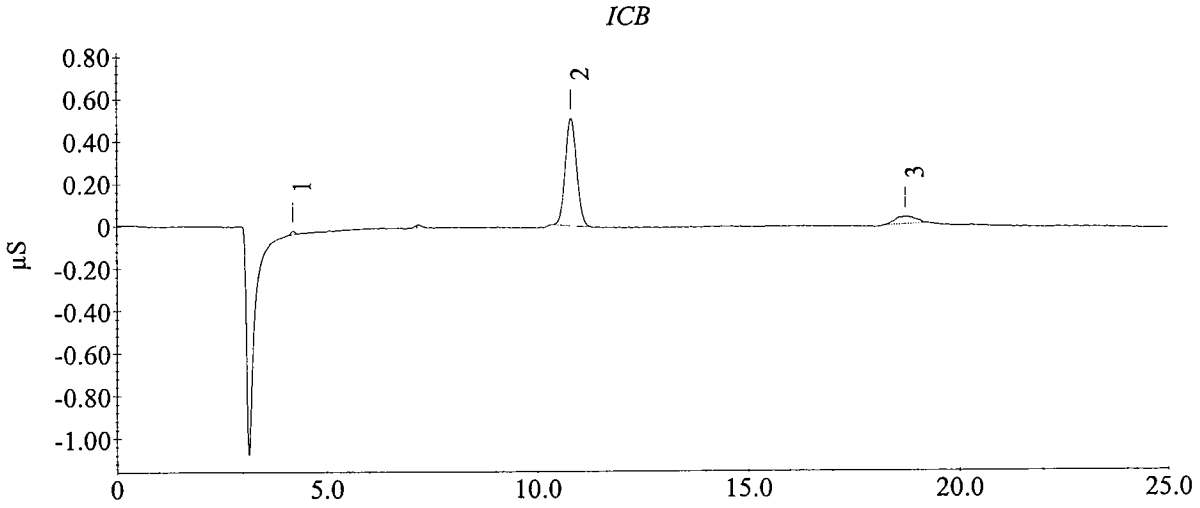
Sample Analysis Report

Sample Name : ICB
Data File Name : D:\PEAKNETDATA\A062107\4_004.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/21/07 6:24:03 PM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.20	0.01	1207	178	0.00
2	DCA	10.80	4.60	95285	5042	1.01
3	Phosphate as P	18.72	0.12	11638	349	0.00



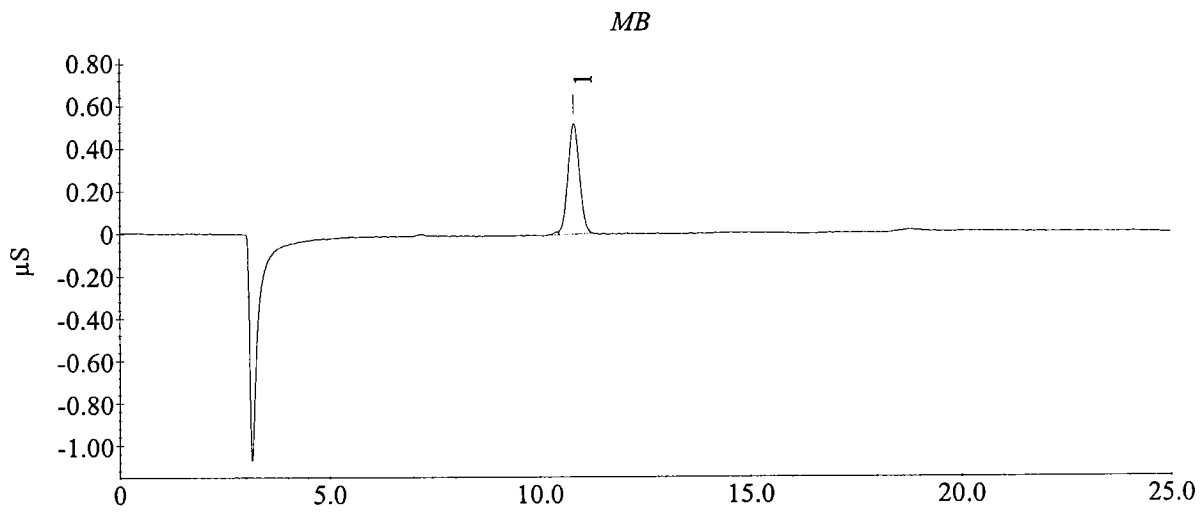
Sample Analysis Report

Sample Name : MB
Data File Name : D:\PEAKNETDATA\A062107\5_005.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/21/07 6:51:20 PM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	DCA	10.82	4.79	99214	5139	0.99



Sample Analysis Report

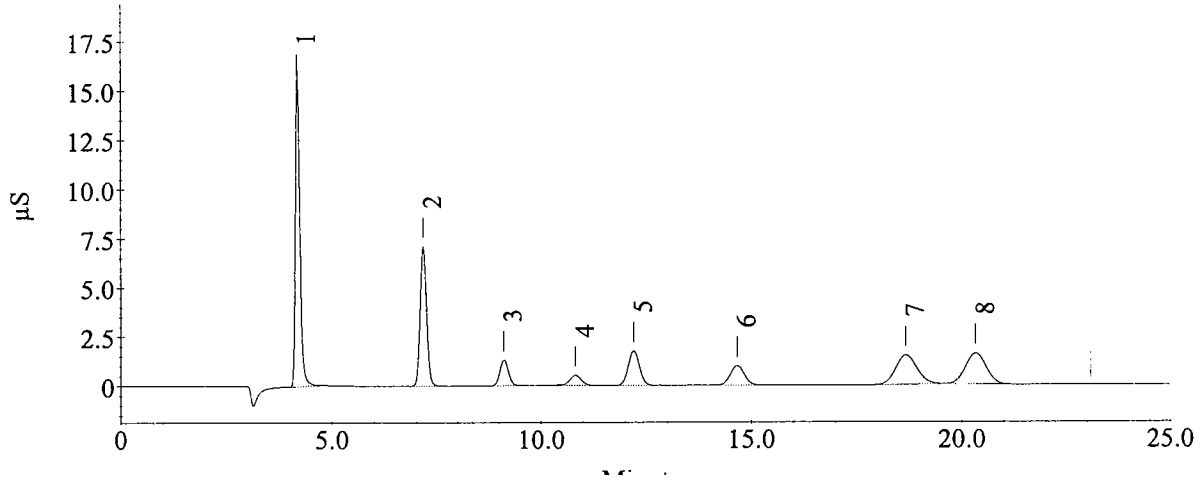
Sample Name : LCS
Data File Name : D:\PEAKNETDATA\A062107\6_006.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/21/07 7:18:40 PM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	7.83	1181684	153930	0.93
2	Chloride	7.17	7.61	760248	70944	0.97
3	Nitrite as N	9.10	0.89	188020	13144	0.98
4	DCA	10.82	5.06	104812	5148	0.96
5	Bromide	12.20	7.94	322703	17453	1.01
6	Nitrate as N	14.67	0.92	222750	9738	1.01
7	Phosphate as P	18.67	5.20	519521	14816	0.98
8	Sulfate	20.33	7.05	533564	15642	1.01

LCS



Sample Analysis Report

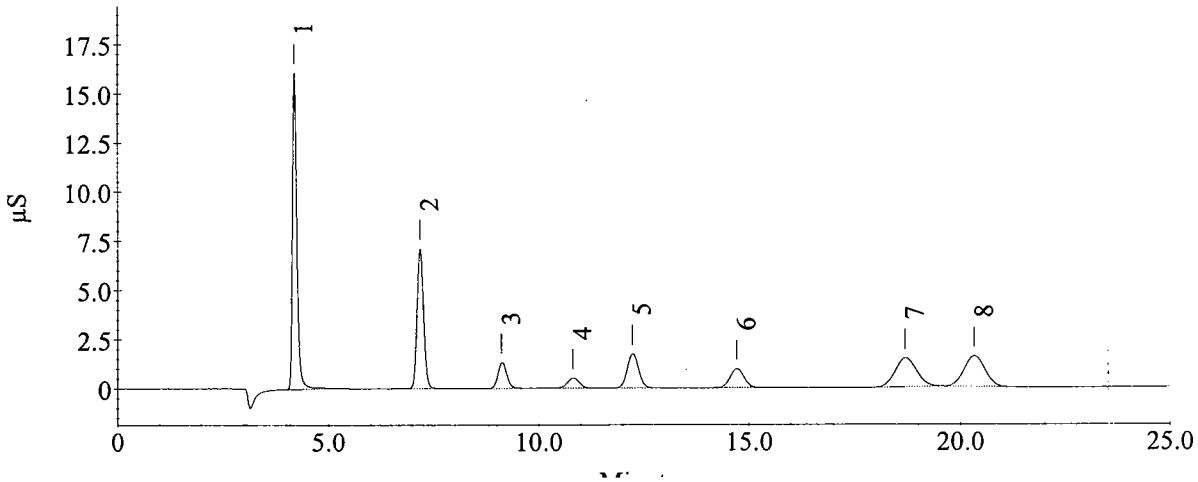
Sample Name : LCSD
Data File Name : D:\PEAKNETDATA\A062107\7_007.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/21/07 7:45:58 PM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.20	8.00	1206876	160793	0.92
2	Chloride	7.18	7.62	761076	70900	0.97
3	Nitrite as N	9.12	0.90	190976	13073	1.00
4	DCA	10.82	5.04	104444	5158	0.96
5	Bromide	12.23	7.96	323620	17347	1.01
6	Nitrate as N	14.72	0.92	222013	9697	1.00
7	Phosphate as P	18.70	5.16	515320	14739	0.98
8	Sulfate	20.33	7.01	530471	15561	1.01

LCSD



Sample Analysis Report

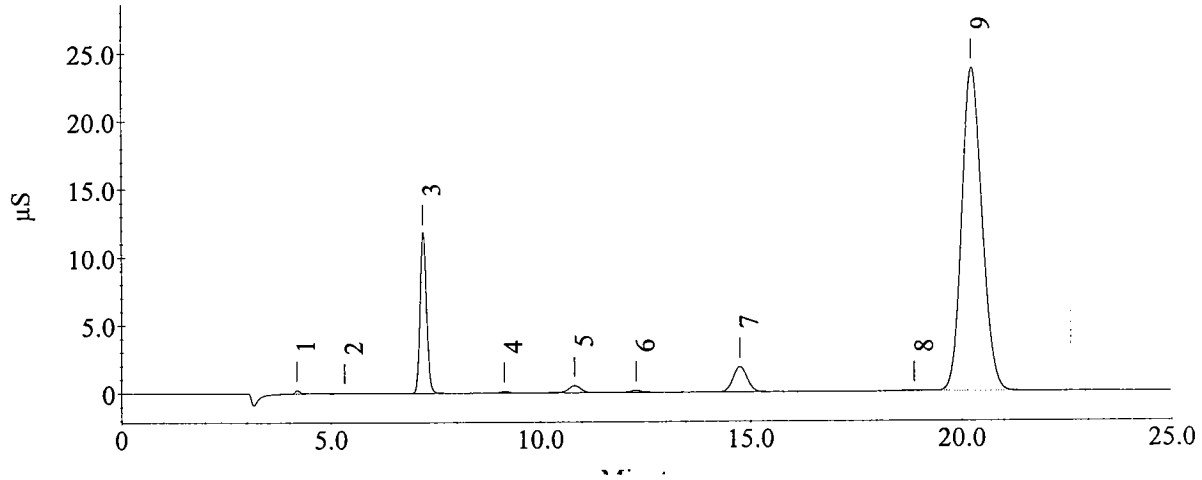
Sample Name : 250692503
Data File Name : D:\PEAKNETDATA\A062107\8_008.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/21/07 8:13:17 PM
System Operator : EJB
Dilution Factor : 10.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	1.25	18805	2419	0.90
2	Unknown 1	5.32	0.00	5478	565	0.99
3	Chloride	7.18	126.47	1262864	117153	1.00
4	Nitrite as N	9.13	0.77	16293	1148	1.03
5	DCA	10.82	52.24	108265	5203	0.93
6	Bromide	12.28	6.32	25681	1386	1.00
7	Nitrate as N	14.75	17.43	421409	18362	1.00
8	Unknown 2	18.88	0.00	8825	276	0.00
9	Sulfate	20.23	1037.21	7849652	236649	0.98

250692503



Sample Analysis Report

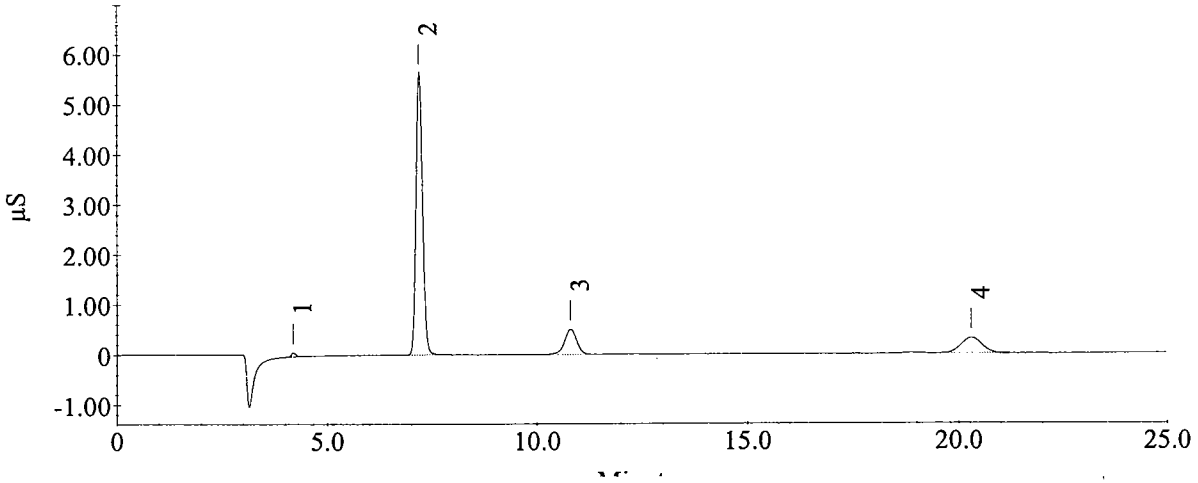
Sample Name : 250692505
Data File Name : D:\PEAKNETDATA\A062107\9_009.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/21/07 8:40:39 PM
System Operator : EJB
Dilution Factor : 10.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	0.38	5721	817	0.00
2	Chloride	7.18	61.37	612829	56055	0.98
3	DCA	10.80	48.43	100379	5006	0.96
4	Sulfate	20.30	13.91	105253	3052	1.01

250692505



Sample Analysis Report

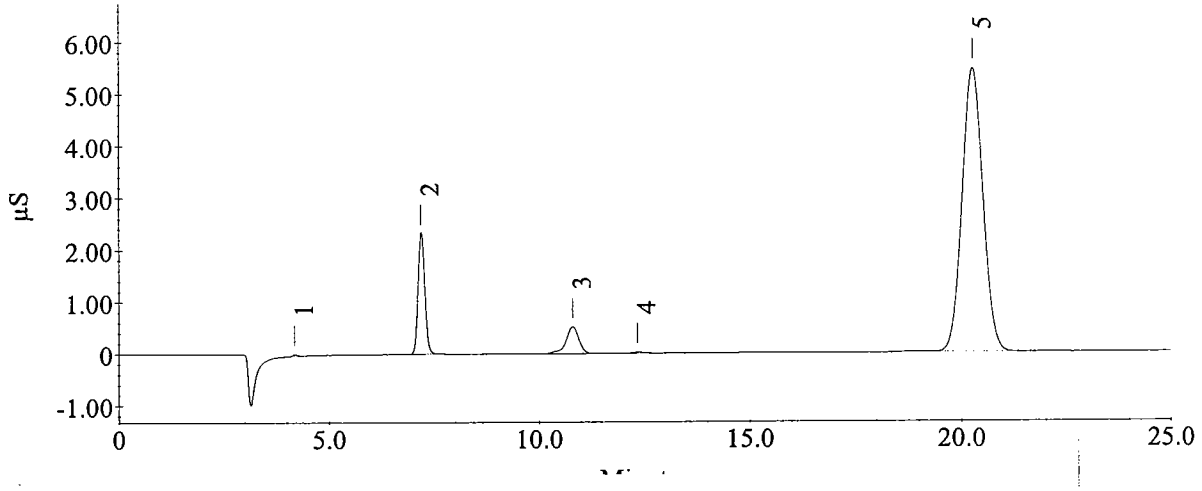
Sample Name : 250692506
Data File Name : D:\PEAKNETDATA\A062107\10_010.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/21/07 9:07:58 PM
System Operator : EJB
Dilution Factor : 10.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	0.18	2663	387	0.00
2	Chloride	7.18	25.89	258495	23123	1.01
3	DCA	10.80	53.07	109993	5158	0.85
4	Bromide	12.33	0.93	3778	217	1.14
5	Sulfate	20.27	245.85	1860619	54514	0.99

250692506



Sample Analysis Report

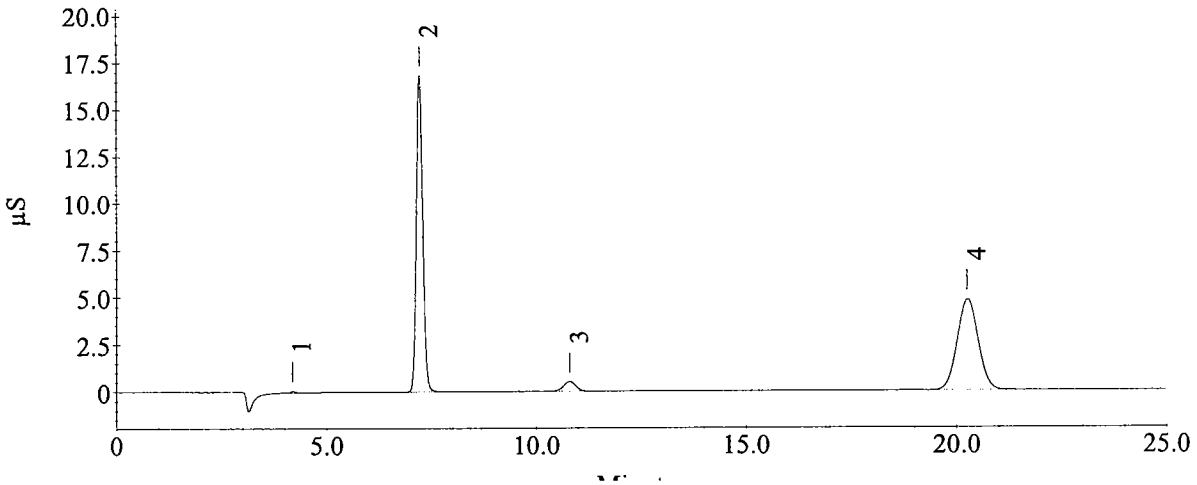
Sample Name : 250694101
Data File Name : D:\PEAKNETDATA\A062107\11_011.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/21/07 9:35:15 PM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	0.04	6171	825	0.00
2	Chloride	7.22	17.84	1781927	167737	0.98
3	DCA	10.80	4.93	102150	5096	0.96
4	Sulfate	20.25	21.77	1647395	47980	1.00

250694101



Sample Analysis Report

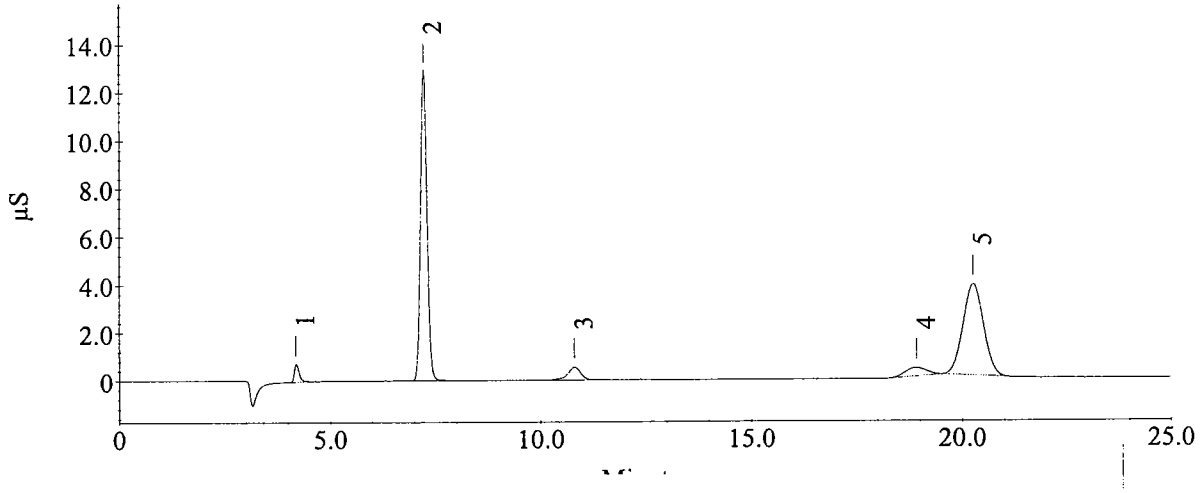
Sample Name : 250694102
Data File Name : D:\PEAKNETDATA\A062107\12_012.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/21/07 10:02:33 PM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	0.39	59416	7215	0.90
2	Chloride	7.22	13.92	1390196	128379	0.97
3	DCA	10.80	5.53	114678	5294	0.80
4	Unknown 1	18.92	0.00	122256	3473	0.00
5	Sulfate	20.25	16.92	1280415	37899	1.01

250694102



Sample Analysis Report

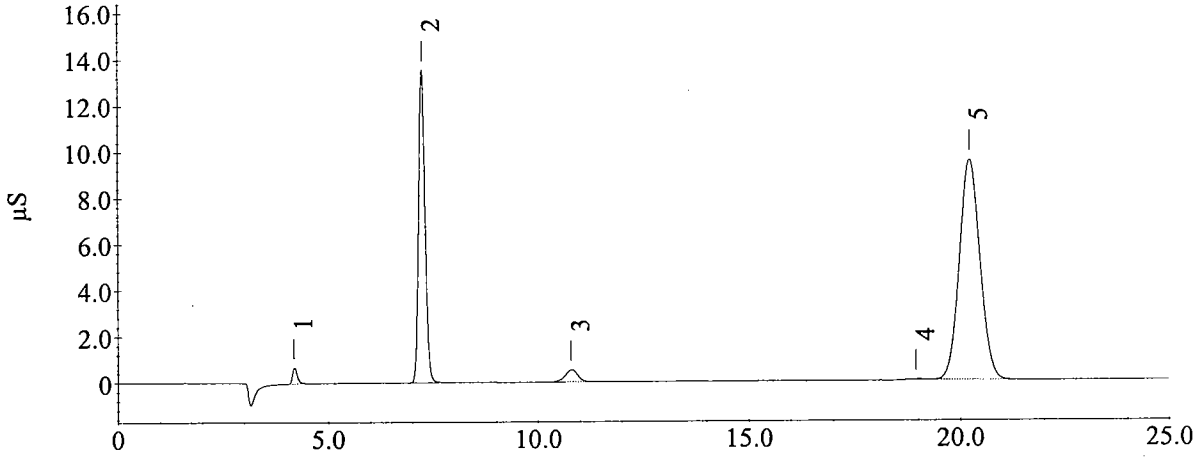
Sample Name : 250694103
Data File Name : D:\PEAKNETDATA\A062107\13_013.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/21/07 10:29:52 PM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	0.36	54740	6869	0.94
2	Chloride	7.23	14.57	1454841	135124	0.99
3	DCA	10.78	5.27	109225	5253	0.92
4	Unknown 1	18.95	0.00	10066	347	0.00
5	Sulfate	20.22	42.67	3228916	95246	0.99

250694103



Sample Analysis Report

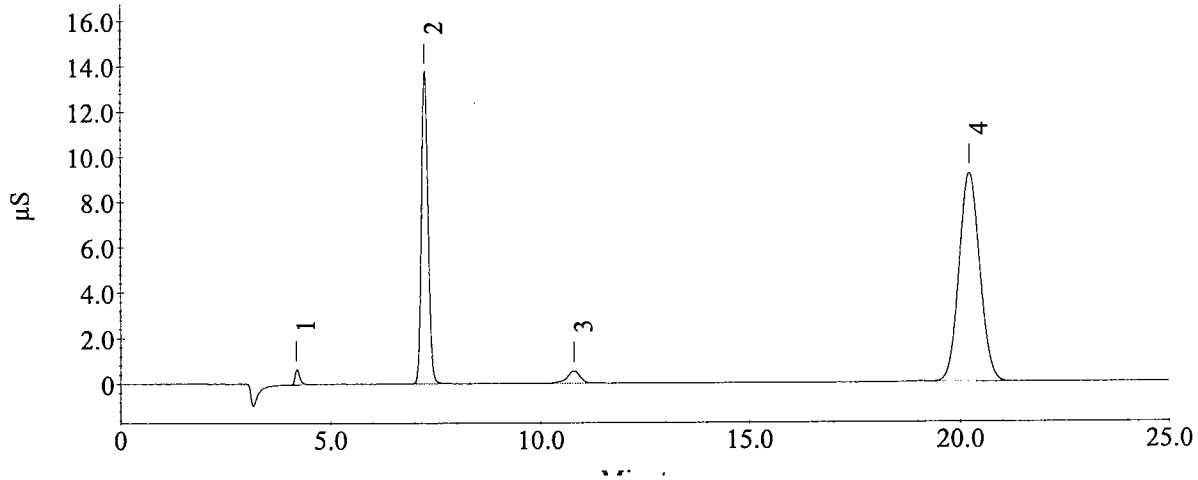
Sample Name : 250694104
Data File Name : D:\PEAKNETDATA\A062107\14_014.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/21/07 10:57:10 PM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	0.34	51358	6372	0.93
2	Chloride	7.23	14.88	1486305	136961	0.98
3	DCA	10.80	5.63	116613	5409	0.83
4	Sulfate	20.22	41.18	3116563	91791	0.99

250694104



Sample Analysis Report

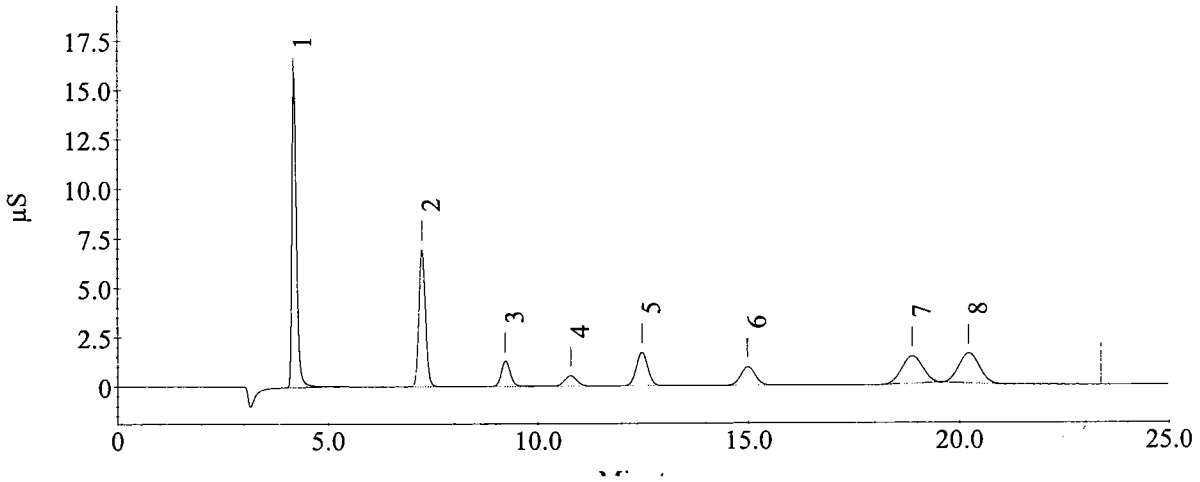
Sample Name : CCV
Data File Name : D:\PEAKNETDATA\A062107\15_015.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/21/07 11:24:28 PM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	8.02	1209744	151905	0.94
2	Chloride	7.23	7.63	761469	69201	0.99
3	Nitrite as N	9.22	0.92	194077	12753	0.99
4	DCA	10.78	5.07	105077	5280	0.99
5	Bromide	12.47	7.98	324319	16908	1.00
6	Nitrate as N	14.98	0.93	224031	9398	1.01
7	Phosphate as P	18.88	4.77	476825	13835	1.01
8	Sulfate	20.22	6.74	509956	15109	1.03

CCV



Sample Analysis Report

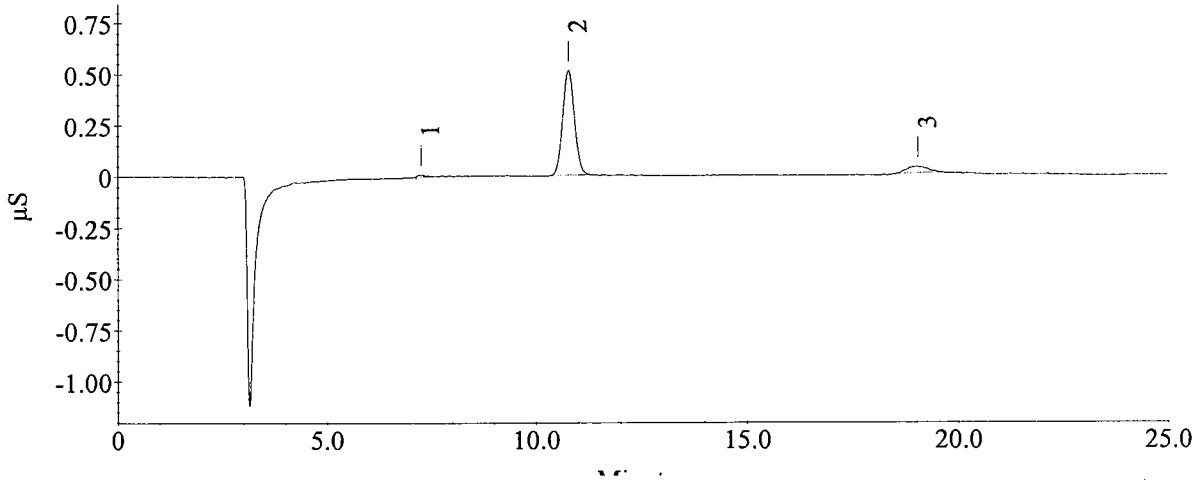
Sample Name : CCB
Data File Name : D:\PEAKNETDATA\A062107\16_016.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/21/07 11:51:48 PM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Chloride	7.25	0.01	1058	106	0.00
2	DCA	10.77	4.78	99019	5101	1.00
3	Unknown 1	19.03	0.00	10379	309	0.00

CCB



Sample Analysis Report

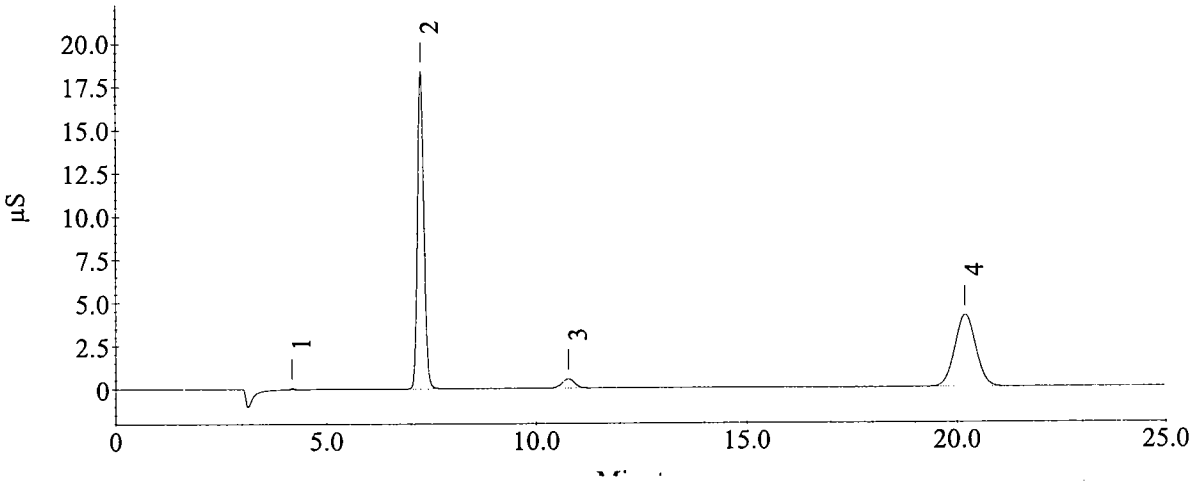
Sample Name : 250694105
Data File Name : D:\PEAKNETDATA\A062107\17_017.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/22/07 12:19:08 AM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	0.04	5918	816	0.00
2	Chloride	7.23	19.66	1962742	182838	0.99
3	DCA	10.77	5.44	112762	5412	0.94
4	Sulfate	20.18	18.88	1428511	41382	1.00

250694105



Sample Analysis Report

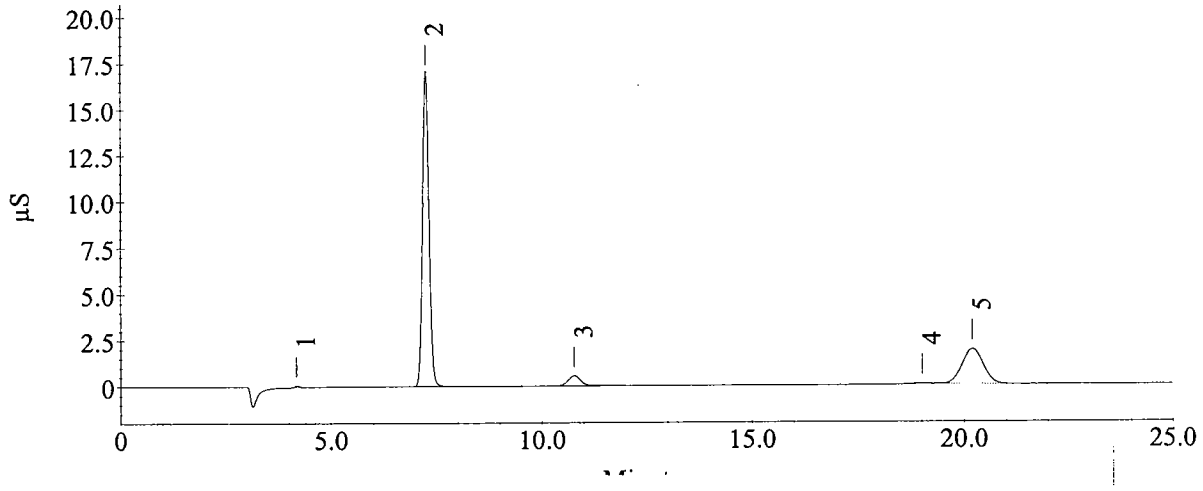
Sample Name : 250696401
Data File Name : D:\PEAKNETDATA\A062107\18_018.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/22/07 12:46:25 AM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	0.05	7129	891	0.00
2	Chloride	7.23	18.35	1832299	169006	0.99
3	DCA	10.77	5.40	111956	5385	0.96
4	Unknown 1	19.02	0.00	13748	436	0.00
5	Sulfate	20.20	8.61	651746	18870	1.01

250696401



Sample Analysis Report

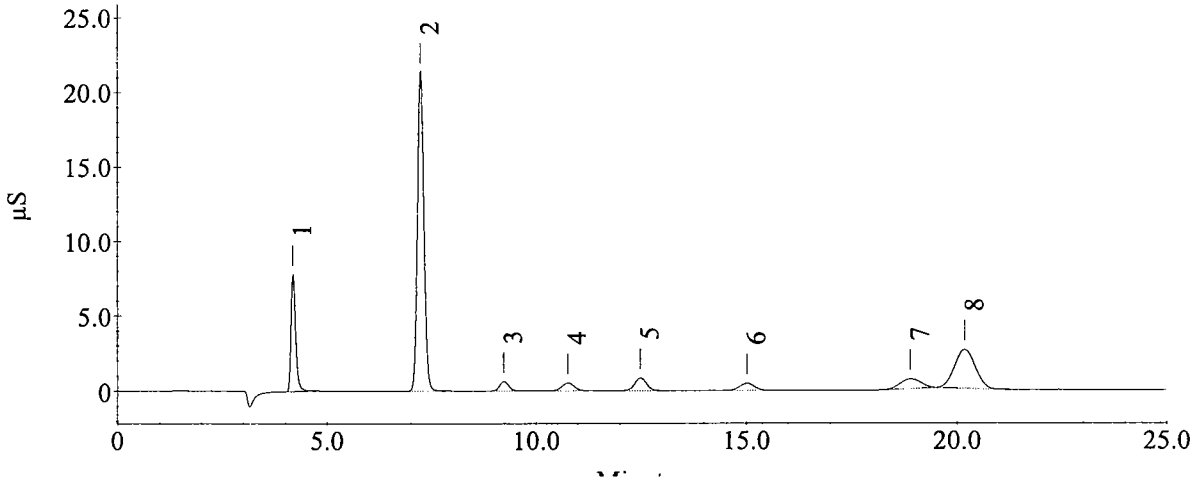
Sample Name : 250696402
Data File Name : D:\PEAKNETDATA\A062107\19_019.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/22/07 1:13:43 AM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	3.94	593590	77721	0.93
2	Chloride	7.23	22.79	2276130	212788	0.98
3	Nitrite as N	9.22	0.44	92932	6230	0.99
4	DCA	10.75	4.99	103386	5204	1.00
5	Bromide	12.48	3.93	159585	8295	1.00
6	Nitrate as N	15.02	0.45	108569	4626	1.01
7	Phosphate as P	18.90	2.20	219518	6508	0.00
8	Sulfate	20.18	11.50	869989	25807	1.02

250696402



Sample Analysis Report

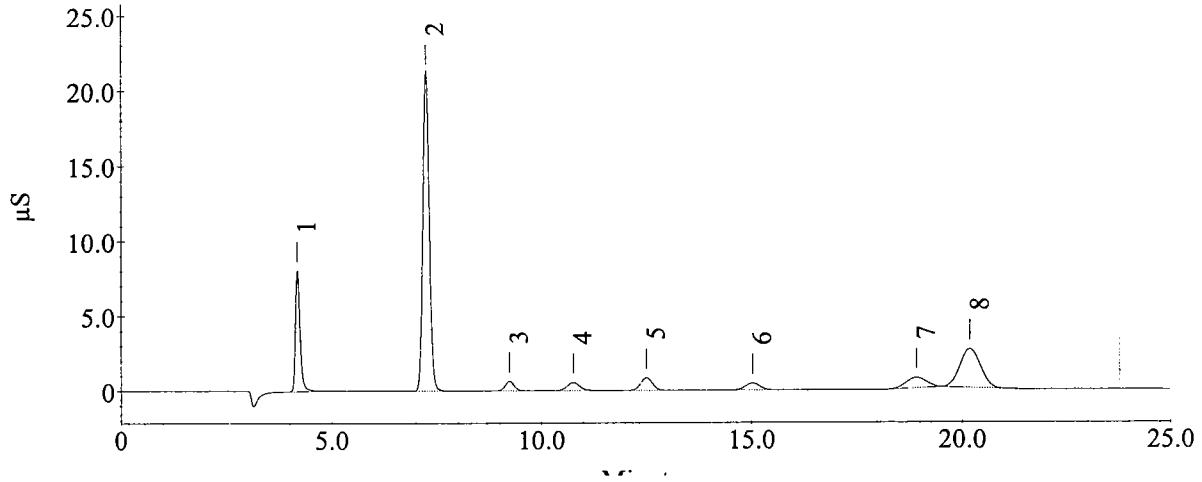
Sample Name : 250696403
Data File Name : D:\PEAKNETDATA\A062107\20_020.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/22/07 1:41:04 AM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	4.10	617874	80527	0.92
2	Chloride	7.23	22.81	2277279	211612	0.97
3	Nitrite as N	9.23	0.44	93001	6295	0.98
4	DCA	10.77	5.29	109621	5356	0.97
5	Bromide	12.50	3.96	160917	8378	1.00
6	Nitrate as N	15.03	0.46	110161	4636	1.02
7	Phosphate as P	18.92	2.33	233147	6932	0.00
8	Sulfate	20.18	11.45	866652	25760	1.02

250696403



Sample Analysis Report

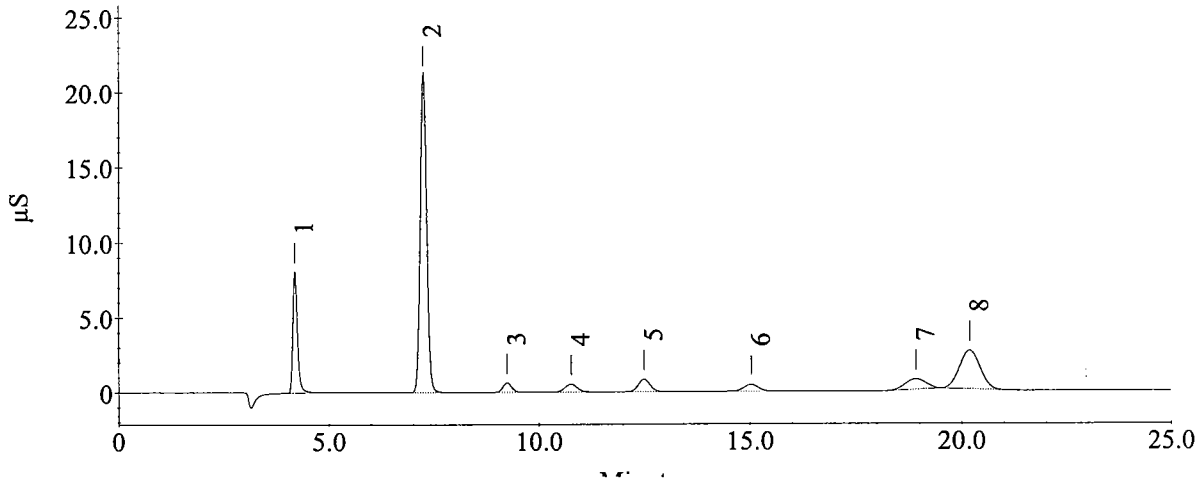
Sample Name : 250696403
Data File Name : D:\PEAKNETDATA\A062107\20_020.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/22/07 1:41:04 AM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	4.10	617874	80527	0.92
2	Chloride	7.23	22.81	2277279	211612	0.97
3	Nitrite as N	9.23	0.44	93001	6295	0.98
4	DCA	10.77	5.29	109621	5356	0.97
5	Unknown 1	12.50	0.00	160917	8378	1.00
6	Unknown 2	15.03	0.00	110161	4636	1.02
7	Unknown 3	18.92	0.00	233147	6932	0.00
8	Sulfate	20.18	11.45	866652	25760	1.02

250696403



Sample Analysis Report

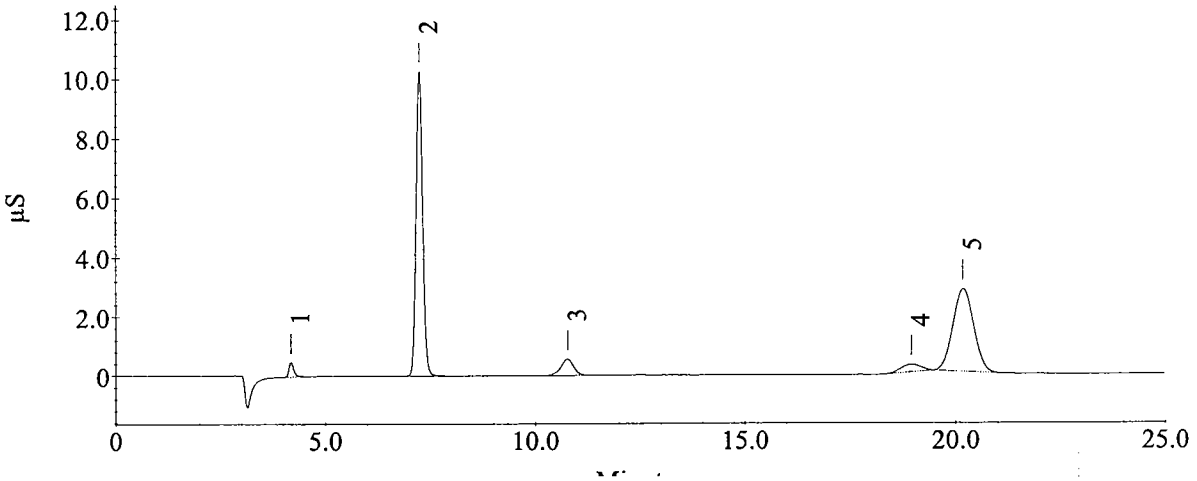
Sample Name : 250696404
Data File Name : D:\PEAKNETDATA\A062107\21_021.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/22/07 2:08:26 AM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	0.26	39580	4986	0.91
2	Chloride	7.23	11.19	1117437	102303	0.99
3	DCA	10.77	5.64	116932	5477	0.90
4	Unknown 1	18.95	0.00	80083	2467	0.00
5	Sulfate	20.17	12.52	947245	27788	1.02

250696404



Sample Analysis Report

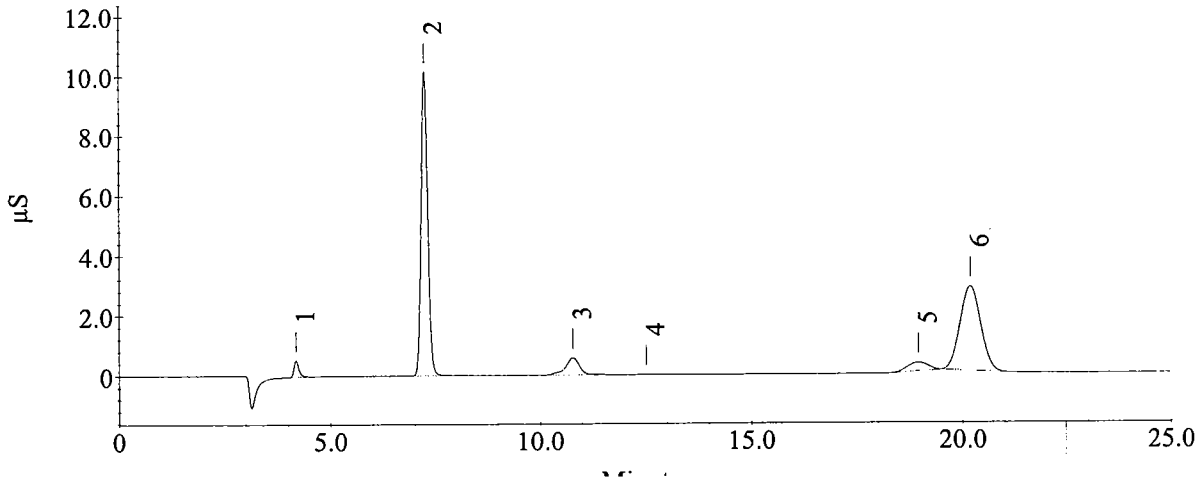
Sample Name : 250696405
Data File Name : D:\PEAKNETDATA\A062107\22_022.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/22/07 2:35:44 AM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	0.29	43346	5454	0.88
2	Chloride	7.23	11.10	1108694	101090	0.99
3	DCA	10.77	6.26	129675	5714	0.76
4	Unknown 1	12.50	0.00	3352	166	1.07
5	Unknown 2	18.95	0.00	96355	2904	0.00
6	Sulfate	20.18	12.60	953201	28058	1.02

250696405



Sample Analysis Report

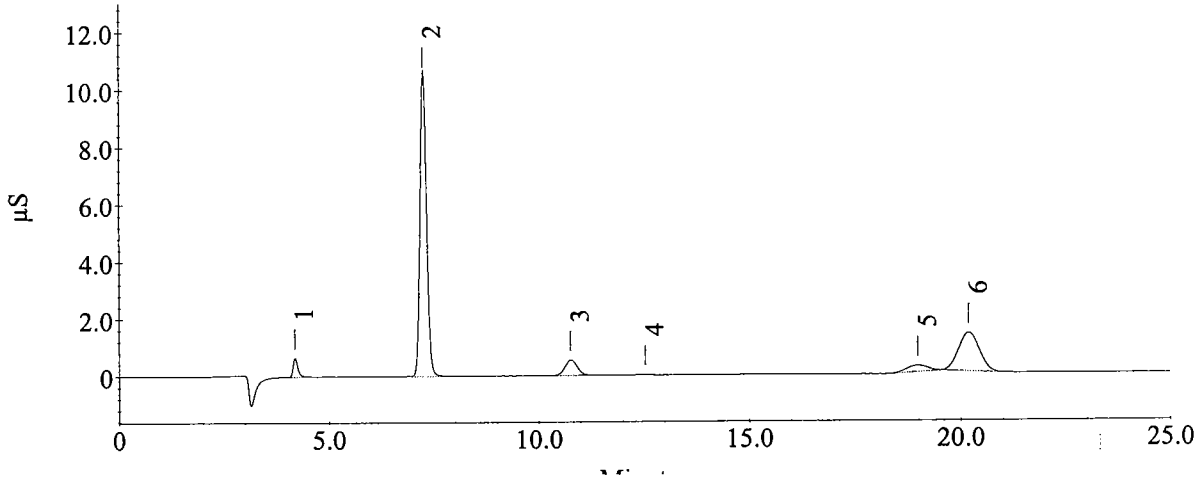
Sample Name : 250696407
Data File Name : D:\PEAKNETDATA\A062107\23_023.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/22/07 3:03:02 AM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	0.34	51910	6547	0.89
2	Chloride	7.23	11.69	1167568	104631	0.99
3	DCA	10.75	5.15	106738	5330	1.00
4	Unknown 1	12.53	0.00	2707	180	0.00
5	Unknown 2	18.98	0.00	75117	2229	0.00
6	Sulfate	20.18	6.04	457059	13456	1.03

250696407



Sample Analysis Report

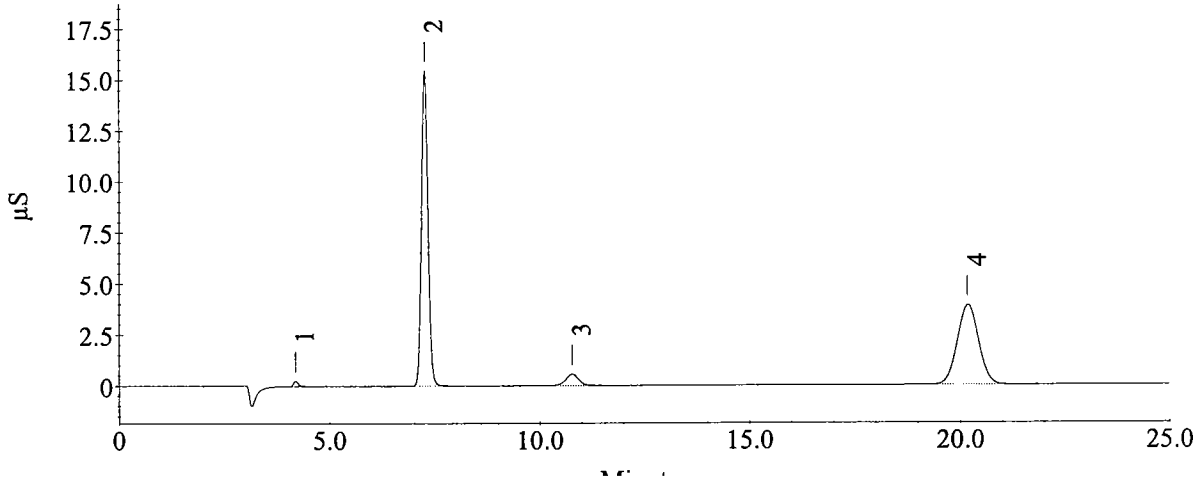
Sample Name : 250696408
Data File Name : D:\PEAKNETDATA\A062107\24_024.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/22/07 3:30:20 AM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	0.14	20694	2591	0.91
2	Chloride	7.25	16.73	1671043	154323	0.98
3	DCA	10.77	5.84	121086	5647	0.91
4	Sulfate	20.17	17.72	1341223	38783	1.00

250696408



Sample Analysis Report

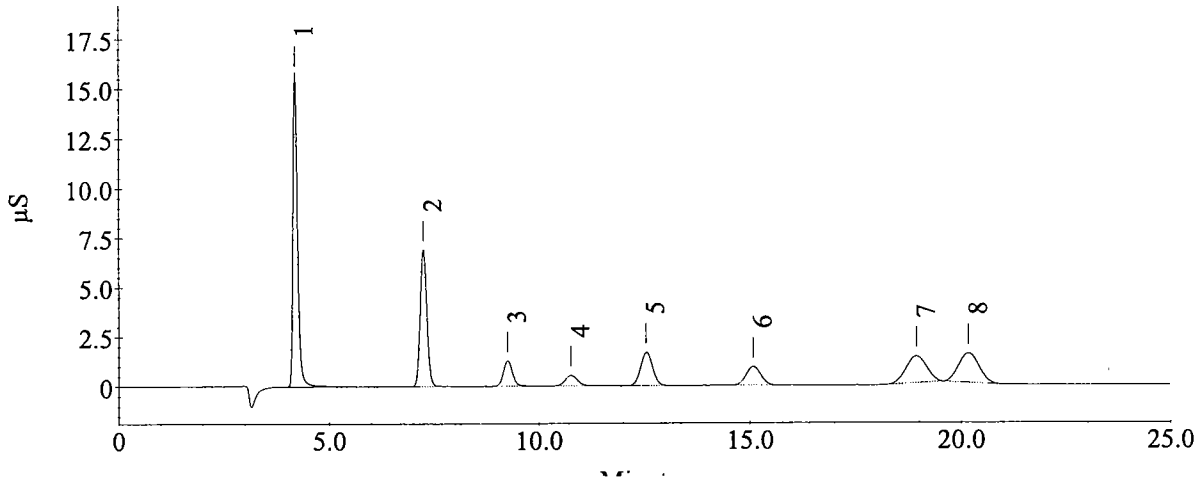
Sample Name : CCV
Data File Name : D:\PEAKNETDATA\A062107\25_025.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/22/07 3:57:37 AM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	8.00	1206126	156808	0.93
2	Chloride	7.25	7.61	759563	68945	0.98
3	Nitrite as N	9.25	0.89	187493	12717	0.97
4	DCA	10.75	5.07	105073	5243	0.98
5	Bromide	12.53	7.98	324293	16680	1.00
6	Nitrate as N	15.08	0.92	223577	9348	1.01
7	Phosphate as P	18.93	4.54	454252	13394	1.03
8	Sulfate	20.17	6.50	492275	14792	1.03

CCV



Sample Analysis Report

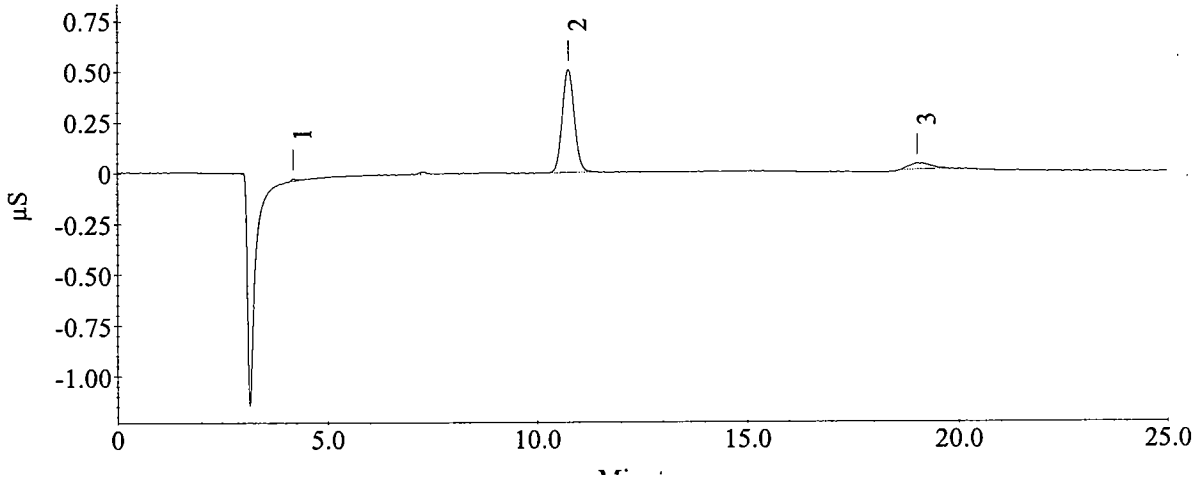
Sample Name : CCB
Data File Name : D:\PEAKNETDATA\A062107\26_026.DXD

Method File Name : c:\peaknet\method\300.met
Date Time Collected : 6/22/07 4:24:58 AM
System Operator : EJB
Dilution Factor : 1.00
Dionex DX500 IC : GRADIENT

Peak Information : All Peaks

Peak #	Component Name	Ret. Time	Amount (mg/L)	Peak Area	Peak Height	Peak Gaussian Factor
1	Fluoride	4.18	0.01	1152	136	0.00
2	DCA	10.75	4.87	100911	5057	0.98
3	Unknown 1	19.02	0.00	9833	289	0.00

CCB



Total Organic Carbon (Aqueous)
Method 415.1/9060

Instrument ID TOC-1 | TOC-2

Analyst:	EJB
Date:	6/27/07
Time:	7:15:00

Sequence #	TOC062707
Batch #	
Curve Date	61107

Reagents:

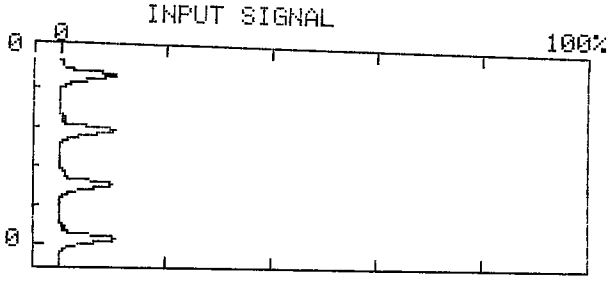
Phosphoric acid (25%)		Hydrochloric acid (2N)		Sodium Hydroxide	
IS#	12858	IS#	13453	IS#	11916
Lot#	1604536	Lot#	6030	Lot#	45340608
Exp. Date	4/30/08	Exp. Date	7/31/07	Exp. Date	4/13/10

Standards

ICV (10 ppm) (1mL into 100 mL of DI)		**CCV/LCS** (10 ppm) (1mL into 100 mL of DI)		**MS** (5 ppm) (250 uL into 50 mL)	
IS#	18632	IS#	13944	IS#	13944
Lot#	7067	Lot#	6170	Lot#	6170
Exp. Date	4/30/08	Exp. Date	7/31/07	Exp. Date	7/31/07

QC (25 ppm) (2.5mL into 100 mL of DI)		**CRDL** (2 ppm) (0.2mL into 100 mL of DI)	
IS#	18632	IS#	18632
Lot#	7067	Lot#	7067
Exp. Date	4/30/08	Exp. Date	4/30/08

Sample ID	Container #	Position #	Dilution	Notes				
CRDL	X	1	X		Acceptance Criteria 80-120			
QC	X	2	X		Acceptance Criteria 80-120			
ICV	X	3	X		Acceptance Criteria 80-120			
ICB	X	4	X					
MB	X	5	X					
LCS	X	6	X		Acceptance Criteria 75-125			
LCSD	X	7	X		Acceptance Criteria 75-125			
250696401	4	8	5	Odor				
250696402	4	9	5		Acceptance Criteria 75-125			
250696403	4	10	5	Odor	Acceptance Criteria 75-125			
250696404	5	11	5	Odor				
250696405	3	12	5	Odor				
CCV	X	13	X		Acceptance Criteria 75-125			
CCB	X	14	X					
250696407	1	15	5	Odor				
250696408	1	16	5	Odor				
CCV	X	17	X		Acceptance Criteria 75-125			
CCB	X	18	X					



TIME [min]

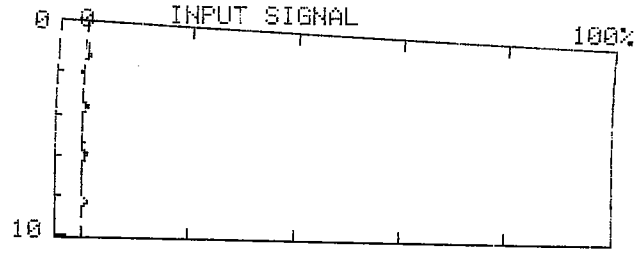
SAMPLE# 2 TC VIAL: 2
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	5993	21.54			
2	6038	21.71			
3	6077	21.85			
4	6037	21.70			
MN	6036	21.70			
SD	34	0.126			
CV	0.56 %				

COR CONC DIL 21.70 [x 1.0]
COR CONC INJ 21.70 [x 1.0]

DATE 06(JUN)-27-2007 08:22

GC



TIME [min]

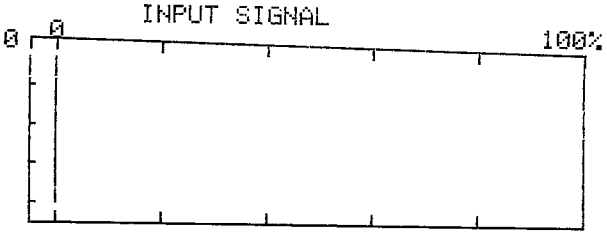
SAMPLE# 1 TC VIAL: 1
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	694	1.979			
2	338	0.664			
3	338	0.664			
4	570	1.521			
MN	485	1.207			
SD	177	0.654			
CV	36.5 %				

COR CONC DIL 1.207 [x 1.0]
COR CONC INJ 1.207 [x 1.0]

DATE 06(JUN)-27-2007 07:58

CRDL



TIME [min]

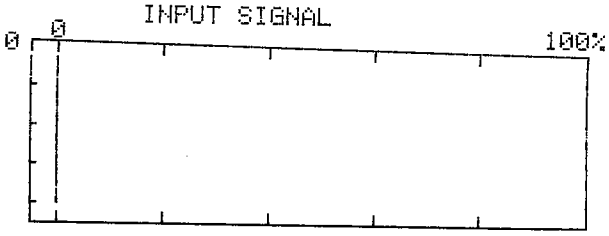
SAMPLE# 2 IC VIAL: 2
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 2 TOC(TC-IC) 22.30 PPM

DATE 06(JUN)-27-2007 08:32



TIME [min]

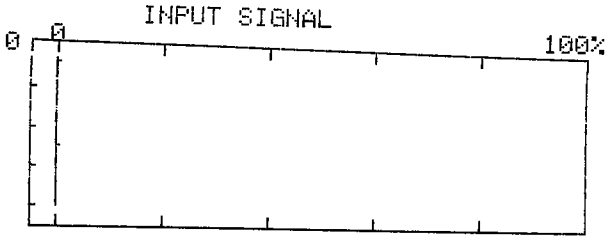
SAMPLE# 1 IC VIAL: 1
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 1 TOC(TC-IC) 1.807 PPM

DATE 06(JUN)-27-2007 [illegible]



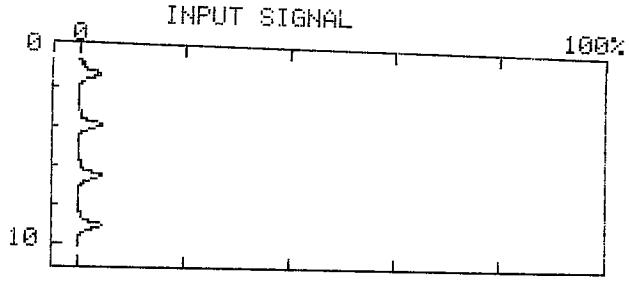
SAMPLE# 4 TC VIAL: 4
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.58			
2	0	-0.58			
3	118	-0.14			
4	0	-0.58			
MN	29	-0.47			
SD	59	0.217			
CV	200 %				

COR CONC DIL -0.47 [x 1.0]
COR CONC INJ -0.47 [x 1.0]

ICB

DATE 06(JUN)-27-2007 09:07



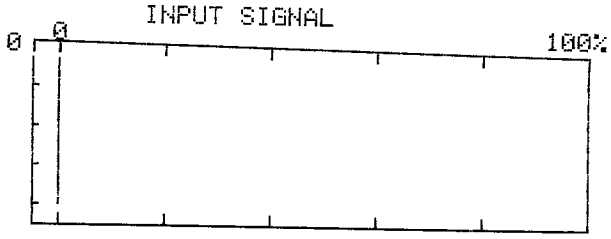
SAMPLE# 3 TC VIAL: 3
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	2493	8.622			
2	2569	8.902			
3	2536	8.781			
4	2549	8.829			
MN	2536	8.783			
SD	32	0.118			
CV	1.26 %				

COR CONC DIL 8.783 [x 1.0]
COR CONC INJ 8.783 [x 1.0]

ICV

DATE 06(JUN)-27-2007 08:46



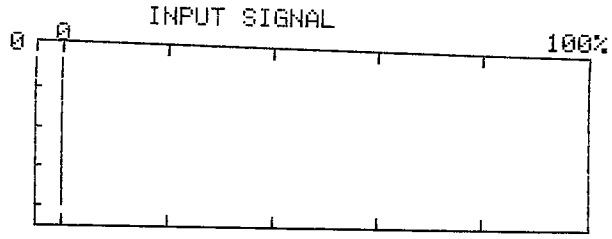
SAMPLE# 4 IC VIAL: 4
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 4 TOC(TC-IC) 0.130 PPM

DATE 06(JUN)-27-2007 09:17



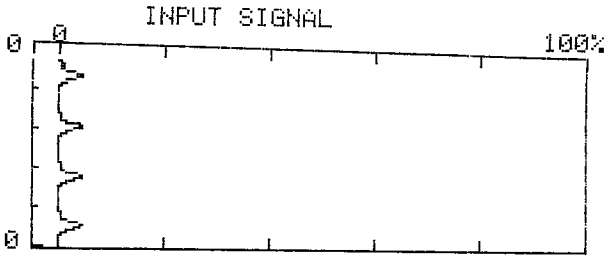
SAMPLE# 3 IC VIAL: 3
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 3 TOC(TC-IC) 0.383 PPM

DATE 06(JUN)-27-2007 08:56



TIME [min]

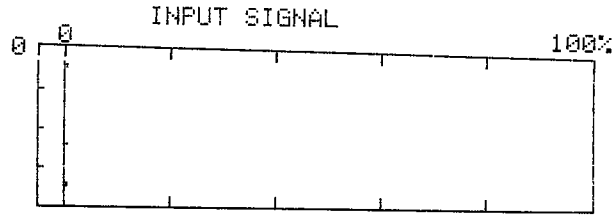
SAMPLE# 6 TC VIAL: 6
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	2532	8.766			
2	2631	9.131			
3	2585	8.962			
4	2627	9.117			
MN	2593	8.994			
SD	46	0.170			
CV	1.77 %				

COR CONC DIL 8.994 [x 1.0]
COR CONC INJ 8.994 [x 1.0]

LCS

DATE 06(JUN)-27-2007 09:52



TIME [min]

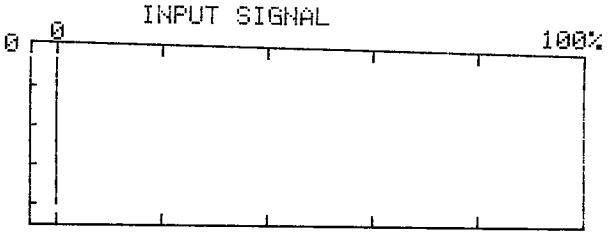
SAMPLE# 5 TC VIAL: 5
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	136	-0.08			
2	0	-0.58			
3	0	-0.58			
4	136	-0.08			
MN	68	-0.33			
SD	78	0.290			
CV	115 %				

COR CONC DIL -0.33 [x 1.0]
COR CONC INJ -0.33 [x 1.0]

MB

DATE 06(JUN)-27-2007 09:28



TIME [min]

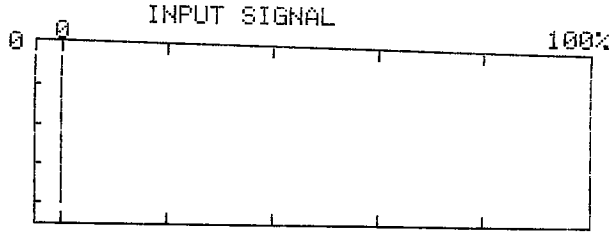
SAMPLE# 6 IC VIAL: 6
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 6 TOC(TC-IC) 9.594 PPM

DATE 06(JUN)-27-2007 10:02



TIME [min]

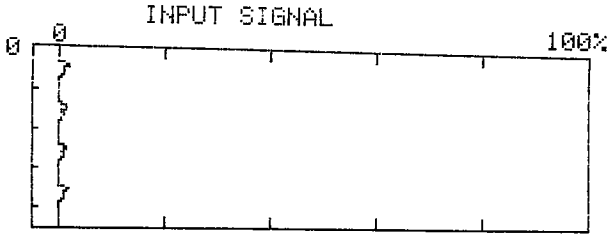
SAMPLE# 5 IC VIAL: 5
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 5 TOC(TC-IC) 0.270 PPM

DATE 06(JUN)-27-2007 09:38



TIME [min]

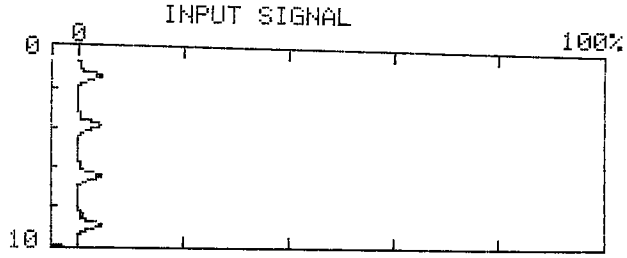
SAMPLE# 8 TC VIAL: 8
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	1081	3.408			
2	1025	3.201			
3	1008	3.138			
4	1024	3.197			
MN	1034	3.236			
SD	31	0.118			
CV	3.08 %				

COR CONC DIL 3.236 [x 1.0]
COR CONC INJ 3.236 [x 1.0]

6964-01
@SX

DATE 06(JUN)-27-2007 10:37



TIME [min]

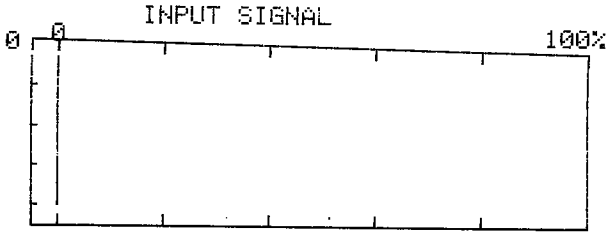
SAMPLE# 7 TC VIAL: 7
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	2577	8.932			
2	2626	9.113			
3	2609	9.050			
4	2646	9.187			
MN	2614	9.070			
SD	29	0.107			
CV	1.11 %				

COR CONC DIL 9.070 [x 1.0]
COR CONC INJ 9.070 [x 1.0]

LCSD

DATE 06(JUN)-27-2007 10:15



TIME [min]

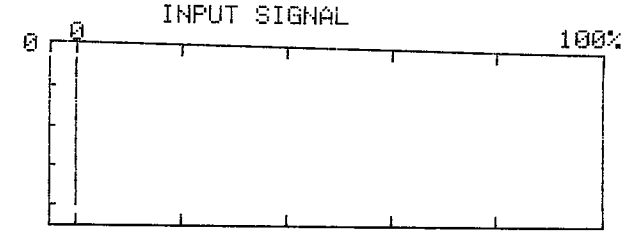
SAMPLE# 8 IC VIAL: 8
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 8 TOC(TC-IC) 3.836 PPM

DATE 06(JUN)-27-2007 10:47



TIME [min]

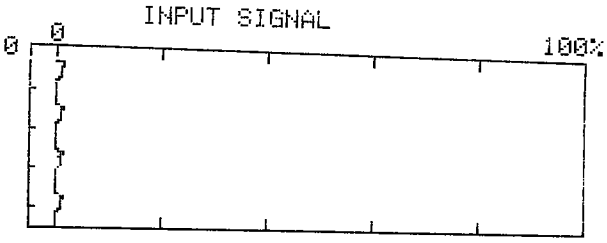
SAMPLE# 7 IC VIAL: 7
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 7 TOC(TC-IC) 9.670 PPM

DATE 06(JUN)-27-2007 10:25



TIME [min]

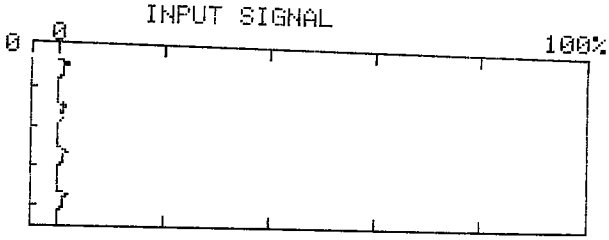
SAMPLE# 10 TC VIAL: 10
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	1204	3.862			
2	1217	3.910			
3	1174	3.751			
4	1190	3.810			
MN	1196	3.833			
SD	18	0.068			
CV	1.54 %				

COR CONC DIL 3.833 [x 1.0]
COR CONC INJ 3.833 [x 1.0]

6964-03
@SX

DATE 06(JUN)-27-2007 11:21



TIME [min]

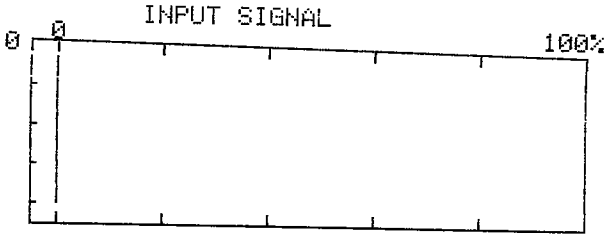
SAMPLE# 9 TC VIAL: 9
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	1238	3.988			
2	1198	3.840			
3	1187	3.799			
4	1213	3.895			
MN	1209	3.880			
SD	22	0.081			
CV	1.82 %				

COR CONC DIL 3.880 [x 1.0]
COR CONC INJ 3.880 [x 1.0]

6964-02
@SX

DATE 06(JUN)-27-2007 10:59



TIME [min]

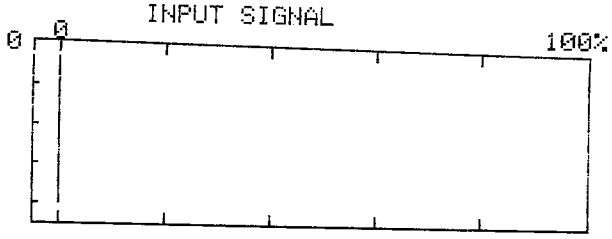
SAMPLE# 10 IC VIAL: 10
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 10 TOC(TC-IC) 4.433 PPM

DATE 06(JUN)-27-2007 11:31



TIME [min]

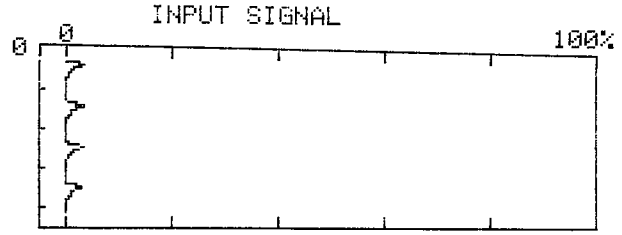
SAMPLE# 9 IC VIAL: 9
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 9 TOC(TC-IC) 4.480 PPM

DATE 06(JUN)-27-2007 11:09



TIME [min]

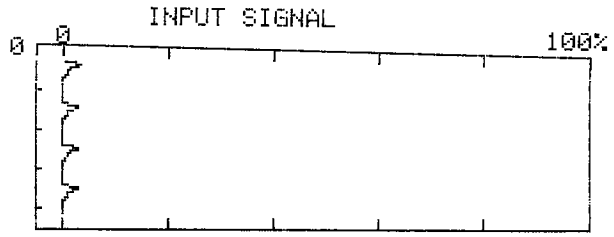
SAMPLE# 12 TC VIAL: 12
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	1516	5.014			
2	1580	5.250			
3	1454	4.785			
4	1478	4.874			
MN	1507	4.981			
SD	54	0.203			
CV	3.64 %				

COR CONC DIL 4.981 [x 1.0]
COR CONC INJ 4.981 [x 1.0]

DATE 06(JUN)-27-2007 12:04

6964-05
@5X



TIME [min]

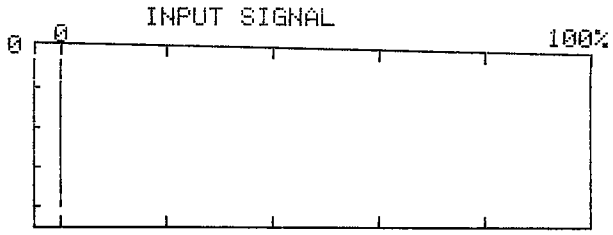
SAMPLE# 11 TC VIAL: 11
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	1529	5.062			
2	1420	4.660			
3	1416	4.645			
4	1450	4.770			
MN	1453	4.784			
SD	52	0.193			
CV	3.60 %				

COR CONC DIL 4.784 [x 1.0]
COR CONC INJ 4.784 [x 1.0]

DATE 06(JUN)-27-2007 11:42

6964-04
@5X



TIME [min]

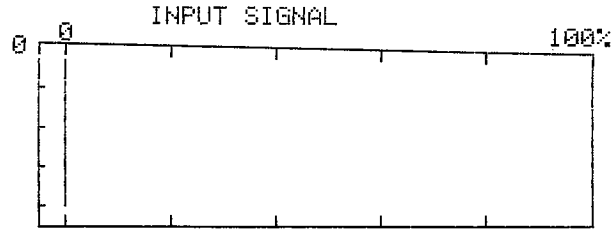
SAMPLE# 12 IC VIAL: 12
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 12 TOC(TC-IC) 5.581 PPM

DATE 06(JUN)-27-2007 12:14



TIME [min]

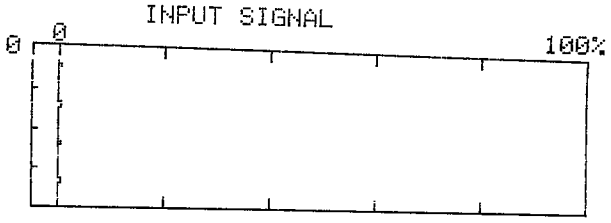
SAMPLE# 11 IC VIAL: 11
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 11 TOC(TC-IC) 5.384 PPM

DATE 06(JUN)-27-2007 11:53



TIME [min]

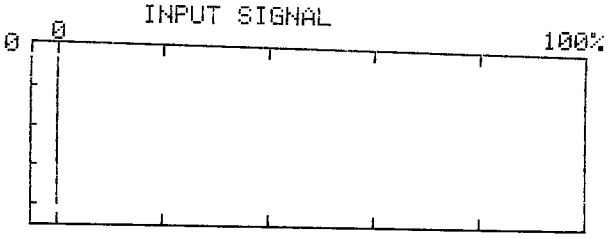
SAMPLE# 14 TC VIAL: 14
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	ppm	C#	µl	RG
1	269	0.409			
2	164	0.022			
3	163	0.018			
4	153	-0.01			
MN	187	0.108			
SD	54	0.202			

CV 29.2 %
COR CONC DIL 0.108 [x 1.0]
COR CONC INJ 0.108 [x 1.0]

CCB

DATE 06(JUN)-27-2007 12:48



TIME [min]

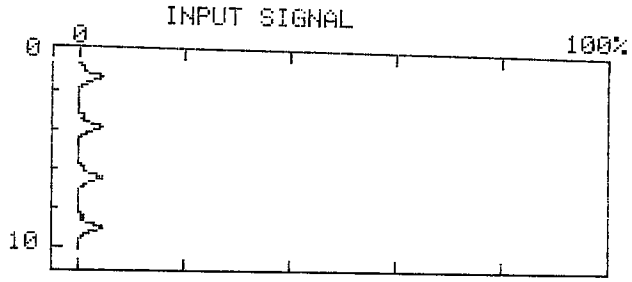
SAMPLE# 14 IC VIAL: 14
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	ppm	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			

CV 0.00 %
COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 14 TOC(TC-IC) 0.708 ppm

DATE 06(JUN)-27-2007 12:58



TIME [min]

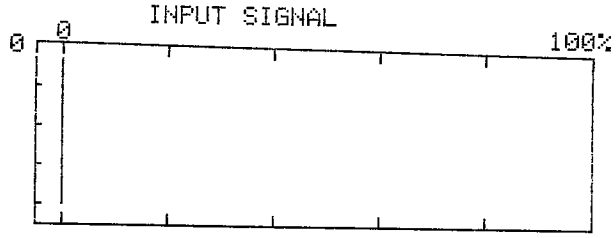
SAMPLE# 13 TC VIAL: 13
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	ppm	C#	µl	RG
1	2698	9.379			
2	2786	9.704			
3	2803	9.767			
4	2793	9.730			
MN	2770	9.645			
SD	48	0.179			

CV 1.75 %
COR CONC DIL 9.645 [x 1.0]
COR CONC INJ 9.645 [x 1.0]

CCV

DATE 06(JUN)-27-2007 12:27



TIME [min]

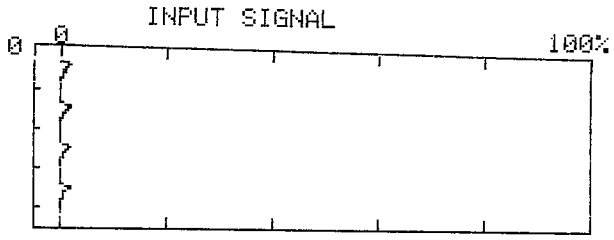
SAMPLE# 13 IC VIAL: 13
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	ppm	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			

CV 0.00 %
COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 13 TOC(TC-IC) 10.24 ppm

DATE 06(JUN)-27-2007 12:38



TIME [min]

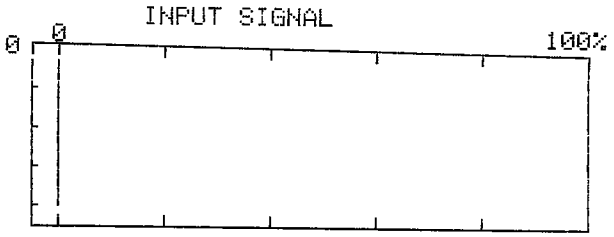
SAMPLE# 16 TC VIAL: 16
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	ppm	C#	µl	RG
1	1021	3.186			
2	1026	3.205			
3	1000	3.109			
4	1025	3.201			
MN	1018	3.175			
SD	12	0.045			
CV	1.19 %				

COR CONC DIL 3.175 [x 1.0]
COR CONC INJ 3.175 [x 1.0]

6964-08
@5X

DATE 06(JUN)-27-2007 13:31



TIME [min]

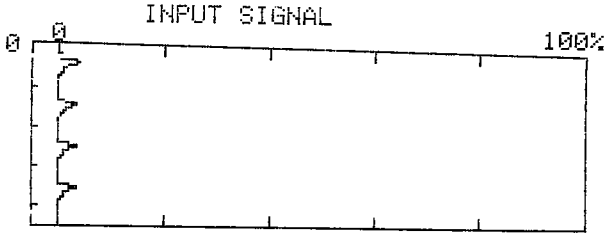
SAMPLE# 16 IC VIAL: 16
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	ppm	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 16 TOC(TC-IC) 3.775 ppm

DATE 06(JUN)-27-2007 13:41



TIME [min]

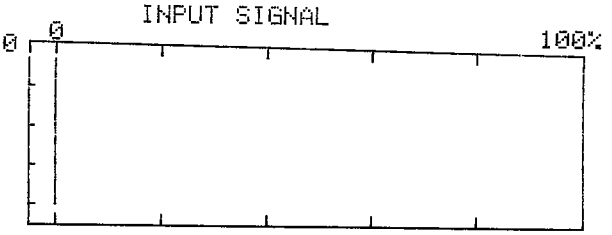
SAMPLE# 15 TC VIAL: 15
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	ppm	C#	µl	RG
1	1824	6.151			
2	1683	5.631			
3	1682	5.627			
4	1714	5.745			
MN	1725	5.789			
SD	67	0.248			
CV	3.89 %				

COR CONC DIL 5.789 [x 1.0]
COR CONC INJ 5.789 [x 1.0]

6964-07
@5X

DATE 06(JUN)-27-2007 13:09



TIME [min]

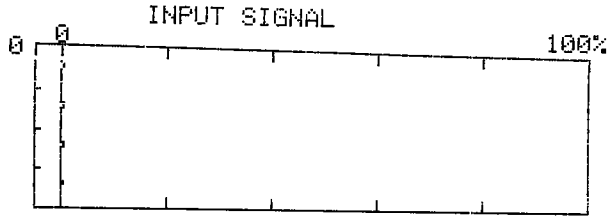
SAMPLE# 15 IC VIAL: 15
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	ppm	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 15 TOC(TC-IC) 6.389 ppm

DATE 06(JUN)-27-2007 13:19



TIME [min]

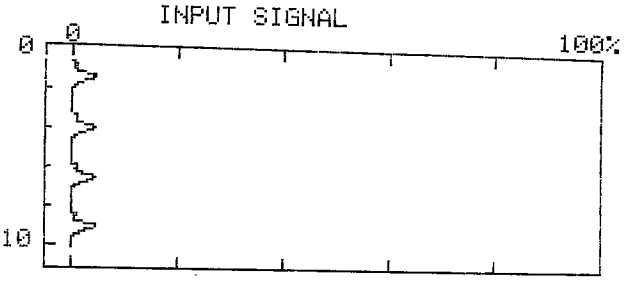
SAMPLE# 18 TC VIAL: 18
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	298	0.517			
2	185	0.099			
3	160	0.007			
4	185	0.099			
MN	207	0.181			
SD	61	0.228			

CV 29.8 %
COR CONC DIL 0.181 [x 1.0]
COR CONC INJ 0.181 [x 1.0]

CCB

DATE 06(JUN)-27-2007 14:15



TIME [min]

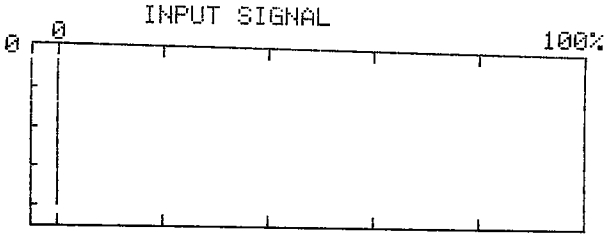
SAMPLE# 17 TC VIAL: 17
[x 5, 30µl, C# 8, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	2728	9.490			
2	2784	9.696			
3	2755	9.589			
4	2773	9.656			
MN	2760	9.608			
SD	24	0.090			

CV 0.88 %
COR CONC DIL 9.608 [x 1.0]
COR CONC INJ 9.608 [x 1.0]

CCV

DATE 06(JUN)-27-2007 13:54



TIME [min]

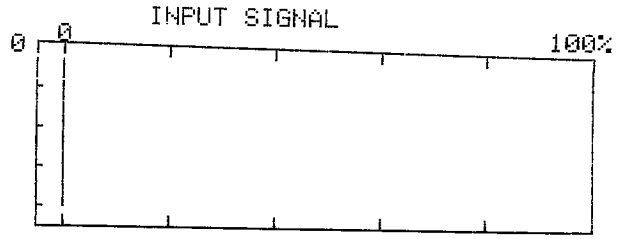
SAMPLE# 18 IC VIAL: 18
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			

CV 0.00 %
COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 18 TOC(TC-IC) 0.781 PPM

DATE 06(JUN)-27-2007 14:25



TIME [min]

SAMPLE# 17 IC VIAL: 17
[x 5, 30µl, C# 9, #WASH 4, SP 0min]

#	AREA	PPM	C#	µl	RG
1	0	-0.60			
2	0	-0.60			
3	0	-0.60			
4	0	-0.60			
MN	0	-0.60			
SD	0	0.000			

CV 0.00 %
COR CONC DIL -0.60 [x 1.0]
COR CONC INJ -0.60 [x 1.0]

SAMPLE# 17 TOC(TC-IC) 10.20 PPM

DATE 06(JUN)-27-2007 14:04

STANDARDS LOG

Methods: 160.1, 300.1, 310.1, 415.1

SDG No.: 2506964

STANDARD LOT	ID	MFG LOT	MANUFACTURER	EXPIRATION DATE	FINAL VOLUME	CREATED/RECEIVED	BY
13944 - 57301	9060W_SPK	6170	VWR	7/31/07 12:00:00 PM	500 mL	8/3/06 10:00:16 AM	EBAT

1000 mg/L: TOC, TOC AVERAGE, Dissolved Organic Carbon

STANDARD LOT	ID	MFG LOT	MANUFACTURER	EXPIRATION DATE	FINAL VOLUME	CREATED/RECEIVED	BY
16186 - 58602	310.1_SPK	6058	VWR	8/31/07 12:00:00 PM	1000 mL	12/20/06 10:17:44 AM	EBAT

2500 mg/L: Alkalinity (Total), Alkalinity (Bicarbonate)

STANDARD LOT	ID	MFG LOT	MANUFACTURER	EXPIRATION DATE	FINAL VOLUME	CREATED/RECEIVED	BY
18614 - 60603	160.1W_LCS	041707	NSI	4/13/08 12:00:00 PM	1000 mL	5/15/07 2:47:32 PM	EBAT

258 mg/L: Residue, Filterable (TDS)

STANDARD LOT	ID	MFG LOT	MANUFACTURER	EXPIRATION DATE	FINAL VOLUME	CREATED/RECEIVED	BY
18632 - 60701	9060W_LCS	7067	VWR	4/30/08 12:00:00 PM	500 mL	5/16/07 4:20:53 PM	EBAT

1000 mg/L: TOC, TOC AVERAGE, Dissolved Organic Carbon

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
17734	300.1_STKA	HPS	0706404	3/6/08	500 ML	3/7/07	EricBattistaWCH

1296 UG/ML: Phosphate
2000 UG/ML: Bromide, Chloride, Fluoride, Sulfate
250 UG/ML: Nitrate

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
17735	300.1_STKB	HPS	0706407	3/6/08	500 ML	3/7/07	EricBattistaWCH

250 UG/ML: Nitrite

2340 Stock Creek Blvd.
Rockford TN 37853-3044
Phone: (865) 573-8188
Fax: (865) 573-8133
Email: info@microbe.com

DNA Analysis Report

Client: Kama White
CH2M HILL
115 Perimeter Center Pl
Suite 700
Atlanta, GA 30346

Phone: (770) 604-9182

Fax: (770) 604-9183

MI Identifier: 056EH **Date Rec:** 08/16/2007 **Report Date:** 08/31/2007

Client Project #: 283383.10.10 **Client Project Name:** NTC Orlando

Purchase Order #: 808815

Analysis Requested: CENSUS, PLFA, VFA

Comments:

All samples within this data package were analyzed under U.S. EPA Good Laboratory Practice Standards: Toxic Substances Control Act (40 CFR part 790). All samples were processed according to standard operating procedures. Test results submitted in this data package meet the quality assurance requirements established by Microbial Insights, Inc.

Reported By:

Reviewed By:

NOTICE: This report is intended only for the addressee shown above and may contain confidential or privileged information. If the recipient of this material is not the intended recipient or if you have received this in error, please notify Microbial Insights, Inc. immediately. The data and other information in this report represent only the sample(s) analyzed and are rendered upon condition that it is not to be reproduced without approval from Microbial Insights, Inc. Thank you for your cooperation.

MICROBIAL INSIGHTS, INC.

2340 Stock Creek Blvd. Rockford, TN 37853-3044
Tel: (865) 573-8188; Fax: (865) 573-8133

Q Potential (DNA)

Client: **CH2M HILL**
Project: NTC Orlando

MI Project Number: **056EH**
Date Received: 08/16/2007

Sample Information

Client Sample ID:	**TO05MW40A**	**TO05MW40B**
Sample Date:	08/15/2007	08/15/2007
Units:	cells/mL	cells/mL

Dechlorinating Bacteria

Dehalococcoides spp (1)	DHC	**8.62E-01**	**4.64E-01**

Legend:
NA = Not Analyzed NS = Not Sampled J = Estimated gene copies below PQL but above LQL I = Inhibited
< = Result not detected

Notes:
1 Bio-Dechlor Census technology was developed by Dr. Loeffler and colleagues at Georgia Institute of Technology and was licensed for use through Regenesis.

MICROBIAL INSIGHTS, INC.

2340 Stock Creek Blvd. Rockford, TN 37853-3044
Tel: (865) 573-8188; Fax: (865) 573-8133

PLFA

Client: **CH2M HILL**
Project: NTC Orlando

MI Project Number: **056EH**
Date Received: 08/16/2007

Sample Information

Sample Name:	**TO05MW40A**	**TO05MW40B**
Sample Date:	08/15/2007	08/15/2007
Sample Matrix:	Water	Water

Biomass

Total Biomass (cells/mL)	**7.45E+03**	**3.57E+03**

Community Structure (% total PLFA)

Firmicutes (TerBrSats)	**3.86**	**5.90**
Proteobacteria (Monos)	**56.57**	**54.42**
Anaerobic metal reducers (BrMonos)	**2.83**	**0.00**
SRB/Actinomycetes (MidBrSats)	**2.78**	**0.00**
General (Nsats)	**31.83**	**36.46**
Eukaryotes (polyenoics)	**2.11**	**3.22**

Physiological Status (Proteobacteria only)

Slowed Growth	**0.71**	**1.32**
Decreased Permeability	**0.18**	**0.00**

Legend:
NA = Not Analyzed NS = Not Sampled

MICROBIAL INSIGHTS, INC.

2340 Stock Creek Blvd. Rockford, TN 37853-3044
Tel: (865) 573-8188; Fax: (865) 573-8133

PLFA

Client: **CH2M HILL**
Project: NTC Orlando

MI Project Number: **056EH**
Date Received: 08/16/2007

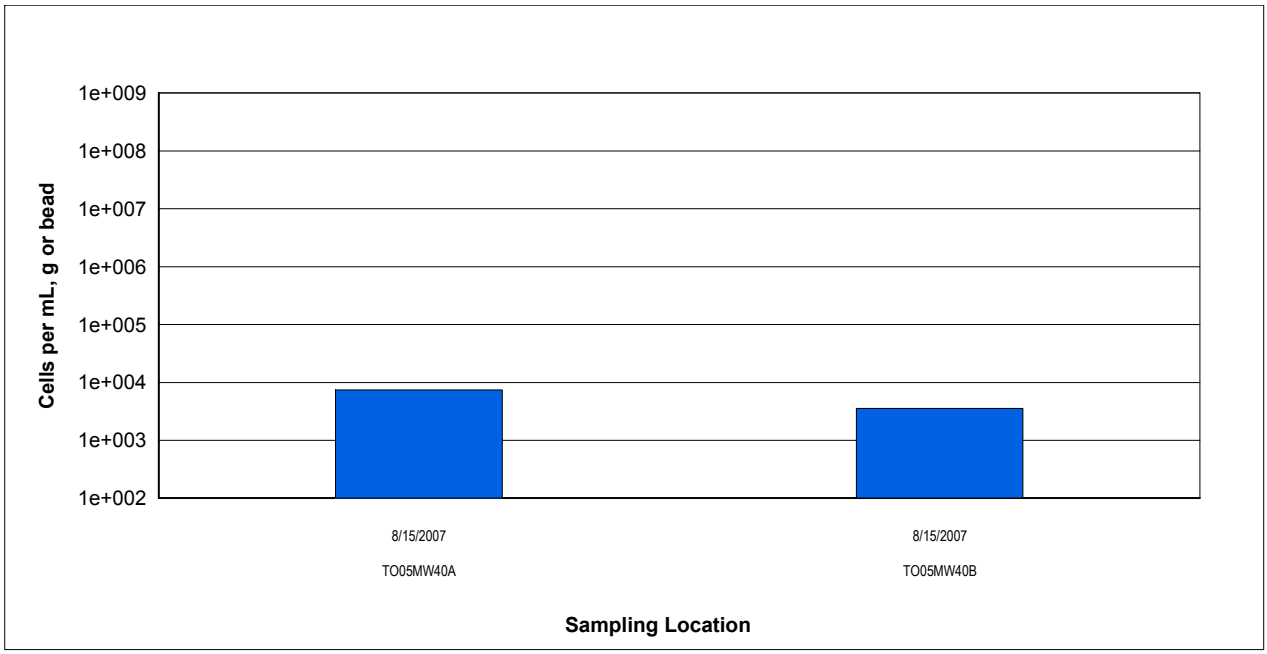


Figure 1. Biomass content is presented as a cell equivalent based on the total amount of phospholipid fatty acids (PLFA) extracted from a given sample. Total biomass is calculated based upon PLFA attributed to bacterial and eukaryotic biomass (associated with higher organisms).

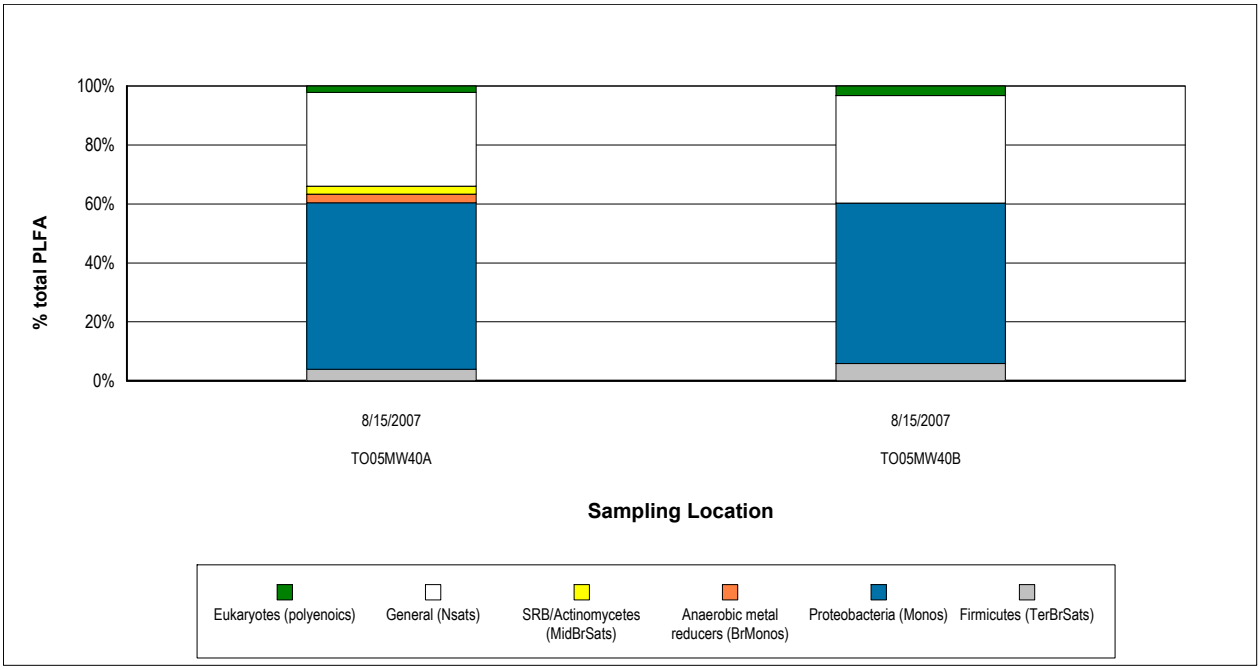


Figure 2. Relative percentages of total PLFA structural groups in the samples analyzed. Structural groups are assigned according to PLFA chemical structure, which is related to fatty acid biosynthesis.

2340 Stock Creek Blvd.
Rockford TN 37853-3044
Phone: (865) 573-8188
Fax: (865) 573-8133
Email: info@microbe.com

Analysis Summary Report

Sample Name:	Date Sampled:	Date Received:	Arrival Condition:	Metabolic Acids (mg/L) Pyruvic	Lactic	Formic	Acetic	Propionic	Butyric
TO05MW40A	08/15/2007	08/16/2007	Intact	<4	<1	<1	<1	<1	<1
TO05MW40B	08/15/2007	08/16/2007	Intact	<4	<1	<1	<1	<1	<1

CH2MHILL Constructors, Inc.
115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

[1] COC NUMBER: **TO50807**

[2] PROJECT NAME:	[5] PROJECT NUMBER:	[8] LAB NAME AND CONTACT:	[11] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No. , and Fax No.):
NTC Orlando	283383.10.10	Mike GoodRich Microbial Insights	Kama White CH2M Hill CCI	CH2M HILL CCI North Park 400 1000 Abenthy RD, Suite 1600, Atlanta Ga. 30328
[3] PROJECT PHASE/SITE/TASK:	[6] CTO OR DO NUMBER:	[9] LAB PO NUMBER:	[12] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No. , and Fax No.):
OU-2/ JVII	TO-05	808815		
[4] PROJECT CONTACT:	[7] PROJECT TEL NO AND FAX NO:	[10] LAB TEL NO AND FAX NO:	[13] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No. , and Fax No.):
Bethany Garvey	770-604-9182	865-573-8188		

[23] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER 5&H	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SOP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	Pfla	Q-Poticetial DNA	VFA								[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	TO05MW40A	OLD-OU2-40A	W	8/15/7	1340	C	14	1	1	2								N	DNA - 2000 mL PLFA - 3000 mL	
2	TO05MW40B	OLD-OU2-40B	W	8/15/7	1415	C	14	1	1	2								N	DNA - 2000 mL PLFA - 3000 mL	
3																				
4																				
5																			Note: volumes of sample filtered	
6																			recorded on each filter	
7																				
8																				
9																				
10																				

[29] SAMPLER(S) AND COMPANY: (please print)	[30] COURIER AND SHIPPING NUMBER:	[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):
Mark Stinnett Sara Vaughn , Isaac Lynch CH2M HILL	8604 2607 9610 FedEx	

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Mark Stinnett [signature]	8/15/7	1800h	T Morgan [signature]	8/16	10:00
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

Distribution: [ ] **Original** - Laboratory (To be returned with Analytical Report); [ ] **Copy 1** - Project File; [ ] **Copy 2** - PMO

Form CCI001, Rev 06/00

2340 Stock Creek Blvd.
Rockford TN 37853-3044
Phone: (865) 573-8188
Fax: (865) 573-8133
Email: info@microbe.com

Lipid Analysis Report

Client: Bethany Garvey
CH2M HILL
115 Perimeter Center Pl
Suite 700
Atlanta, GA 30346

Phone: (770) 604-9182

Fax: (770) 604-9183

MI Identifier: 030EF **Date Rec:** 06/08/2007 **Report Date:** 09/04/2007

Client Project #: 283383.10.10 **Client Project Name:** NTC Orlando

Purchase Order #: 808815

Analysis Requested: PLFA, CENSUS, VFA

Comments:

All samples within this data package were analyzed under U.S. EPA Good Laboratory Practice Standards: Toxic Substances Control Act (40 CFR part 790). All samples were processed according to standard operating procedures. Test results submitted in this data package meet the quality assurance requirements established by Microbial Insights, Inc.

Reported By:

Reviewed By:

NOTICE: This report is intended only for the addressee shown above and may contain confidential or privileged information. If the recipient of this material is not the intended recipient or if you have received this in error, please notify Microbial Insights, Inc. immediately. The data and other information in this report represent only the sample(s) analyzed and are rendered upon condition that it is not to be reproduced without approval from Microbial Insights, Inc. Thank you for your cooperation.

MICROBIAL INSIGHTS, INC.

2340 Stock Creek Blvd. Rockford, TN 37853-3044
Tel: (865) 573-8188; Fax: (865) 573-8133

PLFA

Client: **CH2M HILL**
Project: NTC Orlando

MI Project Number: **030EF**
Date Received: 06/08/2007

Sample Information

Sample Name:	**TO05MW43ABL**	**TO05MW43BBL**	**TO05MW40ABL**	**TO05MW40BBL**
Sample Date:	06/06/2007	06/06/2007	06/08/2007	06/08/2007
Sample Matrix:	Water	Water	Water	Water

Biomass

Total Biomass (cells/mL)	**6.11E+04**	**6.47E+03**	**1.9E+03**	**4.25E+03**

Community Structure (% total PLFA)

Firmicutes (TerBrSats)	**1.27**	**0.00**	**0.00**	**0.00**
Proteobacteria (Monos)	**49.16**	**67.69**	**78.08**	**88.46**
Anaerobic metal reducers (BrMonos)	**0.44**	**0.00**	**0.00**	**0.00**
SRB/Actinomycetes (MidBrSats)	**1.50**	**1.66**	**0.00**	**0.00**
General (Nsats)	**45.71**	**26.47**	**21.91**	**11.54**
Eukaryotes (polyenoics)	**1.91**	**4.17**	**0.00**	**0.00**

Physiological Status (Proteobacteria only)

Slowed Growth	**0.13**	**0.32**	**0.18**	**0.92**
Decreased Permeability	**0.17**	**0.26**	**0.00**	**0.00**

Legend:
NA = Not Analyzed NS = Not Sampled

MICROBIAL INSIGHTS, INC.
2340 Stock Creek Blvd. Rockford, TN 37853-3044
Tel: (865) 573-8188; Fax: (865) 573-8133

PLFA

Client: **CH2M HILL**
Project: NTC Orlando

MI Project Number: **030EF**
Date Received: 06/08/2007

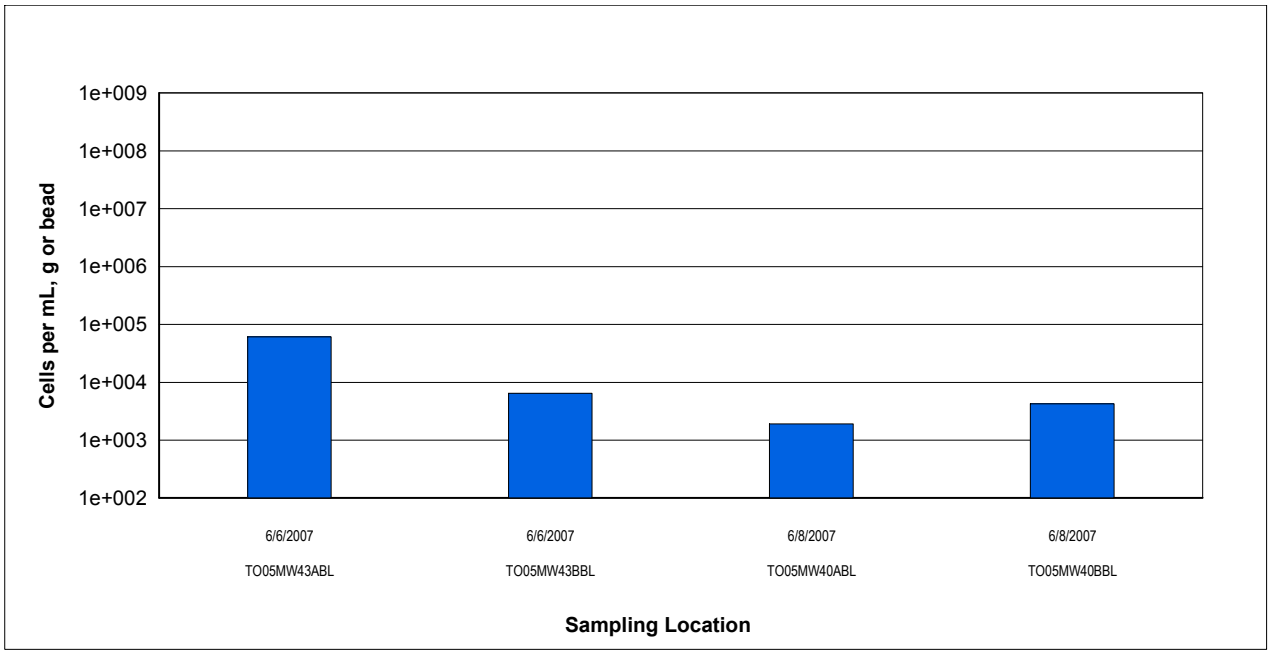


Figure 1. Biomass content is presented as a cell equivalent based on the total amount of phospholipid fatty acids (PLFA) extracted from a given sample. Total biomass is calculated based upon PLFA attributed to bacterial and eukaryotic biomass (associated with higher organisms).

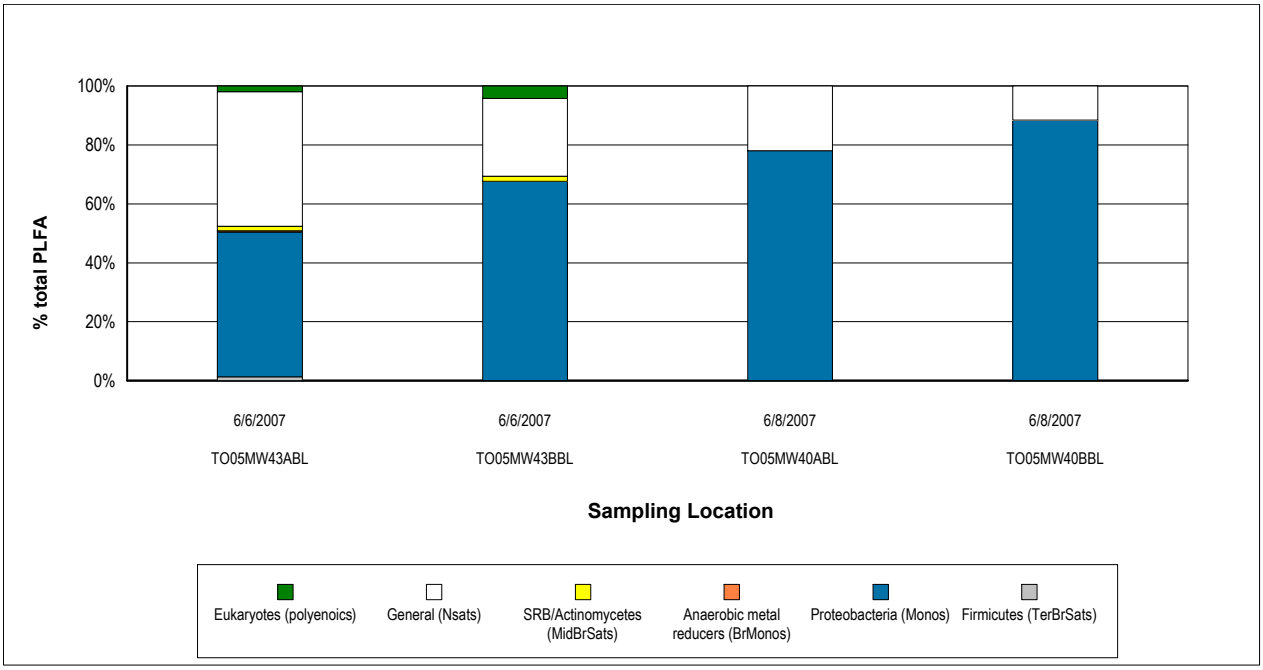


Figure 2. Relative percentages of total PLFA structural groups in the samples analyzed. Structural groups are assigned according to PLFA chemical structure, which is related to fatty acid biosynthesis.

MICROBIAL INSIGHTS, INC.

2340 Stock Creek Blvd. Rockford, TN 37853-3044
Tel: (865) 573-8188; Fax: (865) 573-8133

Q Potential (DNA)

Client: **CH2M HILL**
Project: NTC Orlando

MI Project Number: **030EF**
Date Received: 06/08/2007

Sample Information

Client Sample ID:		**TO05MW43ABL**	**TO05MW43BBL**	**TO05MW40ABL**	**TO05MW40BBL**
Sample Date:		06/06/2007	06/06/2007	06/08/2007	06/08/2007
Units:		cells/mL	cells/mL	cells/mL	cells/mL

Dechlorinating Bacteria

Dehalococcoides spp (1)	DHC	**6.29E-01**	**3.14E+02**	**1.11E+01**	**1.09E+00**

Legend:
NA = Not Analyzed NS = Not Sampled J = Estimated gene copies below PQL but above LQL I = Inhibited
< = Result not detected

Notes:
1 Bio-Dechlor Census technology was developed by Dr. Loeffler and colleagues at Georgia Institute of Technology and was licensed for use through Regenesis.

2340 Stock Creek Blvd.
Rockford TN 37853-3044
Phone: (865) 573-8188
Fax: (865) 573-8133
Email: info@microbe.com

Analysis Summary Report

Sample Name:	Date Sampled:	Date Received:	Arrival Condition:	Metabolic Acids (mg/L) Pyruvic	Lactic	Formic	Acetic	Propionic	Butyric
TO05MW43ABL	06/06/2007	06/08/2007	Intact	<4	<1	<1	<1	<1	<1
TO05MW43BBL	06/06/2007	06/08/2007	Intact	<4	<1	<1	<1	<1	<1
TO05MW40ABL	06/08/2007	06/11/2007	Intact	<4	<1	<1	<1	<1	<1
TO05MW40BBL	06/08/2007	06/11/2007	Intact	<4	<1	<1	<1	<1	<1
TO05FD02BL Dup	06/08/2007	06/11/2007	Intact	<4	<1	<1	<1	<1	<1

2340 Stock Creek Blvd.
Rockford TN 37853-3044
Phone: (865) 573-8188
Fax: (865) 573-8133
Email: info@microbe.com

Quality Control Report

Compound	MS Recovery %	MSD Recovery %	RPD %	LCS Recovery %
Pyruvic	113.7	112.8	0.8	99.9
Lactic	111.0	108.9	1.9	93.7
Formic	141.0	139.2	1.3	116.8
Acetic	103.3	101.9	1.4	99.6
Propionic	114.2	112.3	1.7	110.2
Butyric	99.1	97.6	1.5	97.9

CH2MHILL Constructors, Inc.
115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

[1] COC NUMBER: TO5060707

[2] PROJECT NAME: NTC Orlando	[4] PROJECT NUMBER: 283383.10.10	[8] LAB NAME AND CONTACT: Mike GoodRich Microbial Insights	[11] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company): Kama White CH2M Hill CCI	[14] RECIPIENT 1 (Address, Tel No. , and Fax No.): 115 Perimenter Ctr. Place Ste. 700, Atlanta Ga. 30346
[5] PROJECT PHASE/SITE/TASK: OU-2/ JVII	[6] CTO OR DO NUMBER: TO-05	[9] LAB PO NUMBER: 808815	[12] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company):	[15] RECIPIENT 2 (Address, Tel No. , and Fax No.):
[3] PROJECT CONTACT: Bethany Garvey	[7] PROJECT TEL NO AND FAX NO: 770-604-9182	[10] LAB TEL NO AND FAX NO: 865-573-8188	[13] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company):	[16] RECIPIENT 3 (Address, Tel No. , and Fax No.):

[25] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SOP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	Pfla	Q-Potential DNA	VFA							[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	TO05MW43ABL	OLD-OU2-43A	W	06/06/07	11:25	C	14	1	1	2							N		
2	TO05MW43BBL	OLD-OU2-43B	W	06/06/07	11:50	C	14	1	1	2							N		
3																			
4																			
5																		Note: volumes of sample filtered	
6																		recorded on each filter	
7																			
8																			
9																			
10																			

030EF

[29] SAMPLER(S) AND COMPANY: (please print) Mark Stinnett Sara Vaughn , Isaac Lynch CH2M HILL

[30] COURIER AND SHIPPING NUMBER: Fed Ex 860426079664

06.08.07 AS

[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use): Felex 1015 030EF

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature: Isaac Lynch	6-7-07	1830	Printed Name and Signature: 1506		
Printed Name and Signature:			Printed Name and Signature: Tiffany Morgan Tiffany Morgan	6-8-07	
Printed Name and Signature:			Printed Name and Signature:		

Distribution: [ ] Original - Laboratory (To be returned with Analytical Report); [ ] Copy 3 - Project File; [ ] Copy 2 - PMO

Form CC100L, Rev 06/00

CH2MHILL Constructors, Inc.
115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

[1] COC NUMBER: TO5060807

[2] PROJECT NAME:	[5] PROJECT NUMBER:	[8] LAB NAME AND CONTACT:	[11] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No. , and Fax No.):
NTC Orlando	283383.10.10	Mike GoodRich Microbial Insights	Kama White CH2M Hill CCI	CH2M HILL CCI North Park 400 1000 Abenthy RD, Suite 1600, Atlanta Ga. 30328
[3] PROJECT PHASE/SITE/TASK:	[6] CTO OR DO NUMBER:	[9] LAB PO NUMBER:	[12] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No. , and Fax No.):
OU-2/ JVII	TO-05	808815		
[4] PROJECT CONTACT:	[7] PROJECT TEL NO AND FAX NO:	[10] LAB TEL NO AND FAX NO:	[13] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No. , and Fax No.):
Bethany Garvey	770-604-9182	865-573-8188		

[25] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SOP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	Pfla	Q-Potential DNA	VFA								[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
030EF 3	TO05MW40ABL	OLD-OU2-40A	W	06/08/07	10:20	C	14	1	1	2								N		
4	TO05MW40BBL	OLD-OU2-40B	W	06/08/07	9:40	C	14	1	1	2								N		
5	TO05FD02BL	Field dupe	W	06/08/07	9:40	C	14			2								FD		
4																				
5																			Note: volumes of sample filtered	
6																			recorded on each filter	
7																				
8																				
9																				
10																				

[29] SAMPLER(S) AND COMPANY: (please print)	[30] COURIER AND SHIPPING NUMBER:	[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):
Mark Stinnett Sara Vaughn , Isaac Lynch CH2M HILL	Fed Ex 860426079686 Saturday Delivery	

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Isaac Lynch	6-8-07	1600	A White	6-9-07	10 Am
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

Distribution: [ ] **Original** - Laboratory (To be returned with Analytical Report); [ ] **Copy 1** - Project File; [ ] **Copy 2** - PMO

Form CC1001, Rev 06/00

PEL Laboratories, Inc.

Customer Name:	CH2M Hill
Date and Time Received:	8/16/2007 10:20:00 AM
Date Reported:	9/11/2007
Laboratory Submission Number/SDG:	2507372
Project:	NTC Orlando / TO-5

Samples: The submission consisted of 9 samples with sample identification shown in the attached data tables.

Tests: The samples were analyzed for the methods listed on the attached table of contents.

Results: See the attached data tables for results.

Distribution of Report to:

CH2M Hill
Attn: Kama White
Phone: W 770-604-9182
F 770-604-9282

Respectfully Submitted,

Brian Spann
Laboratory Manager
PEL Laboratories, Inc.

Note: Submitted material will be retained for 30 days unless otherwise requested by client or consumed in analysis. PEL letters and reports are f the exclusive use of the client to whom they are addressed. Our Letters and reports apply to the sample tested and are not necessarily indicative o the qualities of apparently identical or similar materials

4420 Pendola Point Road • Tampa, Florida 33619
(813)247-2805 • FAX: (813)248-1537
Website: www.pelab.com

Organics **4**
METHOD 8260 GC/ MS VOLATILE ORGANICS 7
Sample Data 12
QC Summary 29
Standards Data 43
METHOD FL-PRO GC FL- PRO ORGANICS 54
Sample Data 62
QC Summary 66
Standards Data 75

Inorganics **86**
METALS DATA PACKAGE TOTALS 89
Sample Data 93
QC Summary 97

Outside Lab **124**

Chain of Custody Documentation **268**

Addendum **276**

Appendix **282**
Raw Data Method 8260 ..... AO-1
Raw Data Method FL PRO AO-419
Raw Data Inorganics/Metals AI-1

EXECUTIVE SUMMARY - Detection Highlights

2507372

SAMPLE ID: TO05FD02

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
TDS	90	20	mg/L	E160.1
Alkalinity	25.5	10	mg/L	E310.1
Sodium	7840	540	UG/L	SW6010B
Benzene	1.5 J	5	UG/L	SW8260B
Chlorobenzene	4.9 J	5	UG/L	SW8260B
cis-1,2-Dichloroethene	85.3	5.1	UG/L	SW8260B
Tetrachloroethene	20.9	8.6	UG/L	SW8260B
Vinyl chloride	36.2	6.9	UG/L	SW8260B
TPH	290 J	364	UG/L	FL-PRO

SAMPLE ID: TO05FD02DL1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Trichloroethene	2440	234	UG/L	SW8260B

SAMPLE ID: TO05IW2A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Alkalinity	269	10	mg/L	E310.1
TOC	2360	50	mg/L	E415.1

SAMPLE ID: TO05IW2B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Alkalinity	266	10	mg/L	E310.1
TOC	1440	50	mg/L	E415.1

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EXECUTIVE SUMMARY - Detection Highlights

2507372

SAMPLE ID: TO05MW40A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
TDS	86	20	mg/L	E160.1
Alkalinity	14.2	10	mg/L	E310.1
Sodium	9750	540	UG/L	SW6010B
Benzene	0.62 J	1	UG/L	SW8260B
Chlorobenzene	5	1	UG/L	SW8260B
cis-1,2-Dichloroethene	28.1	1	UG/L	SW8260B
Tetrachloroethene	5.8	1.7	UG/L	SW8260B
trans-1,2-Dichloroethene	0.79 J	1.2	UG/L	SW8260B
Vinyl chloride	6.6	1.4	UG/L	SW8260B
TPH	190 J	349	UG/L	FL-PRO

SAMPLE ID: TO05MW40ADL1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Trichloroethene	144	11.7	UG/L	SW8260B

SAMPLE ID: TO05MW40B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
TDS	116	20	mg/L	E160.1
Alkalinity	24.9	10	mg/L	E310.1
Sodium	7410	540	UG/L	SW6010B
Benzene	1.5 J	5	UG/L	SW8260B
Chlorobenzene	3.7 J	5	UG/L	SW8260B
cis-1,2-Dichloroethene	92	5.1	UG/L	SW8260B
Tetrachloroethene	25.3	8.6	UG/L	SW8260B
Vinyl chloride	41.3	6.9	UG/L	SW8260B
TPH	250 J	364	UG/L	FL-PRO

SAMPLE ID: TO05MW40BDL1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD

110907 1335

EXECUTIVE SUMMARY - Detection Highlights

2507372

Trichloroethene	2710	234	UG/L	SW8260B

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Organics

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Organic Data Qualifiers

U Indicates the analyte was analyzed for but not detected. The number adjacent to the "U" qualifier indicates the reporting limit for that analyte. The reporting limit can vary from sample to sample depending on dilution factors or the percent moisture adjustment when indicated.

J Indicates estimated value. It is used when the data indicates the presence of an analyte above the method detection limit (MDL) yet lower than the reporting limit.

B Indicates the analyte was found in the associated blank as well as in the sample. The notation indicates possible contamination of the sample.

E Indicates the value reported is above the highest calibration standard for that analyte. The sample should be analyzed at an appropriate dilution. "E" qualified values are estimations and the diluted result may be reported on another Form 1.

D Indicates the analyte has been identified in a dilution reanalysis. "D" qualifiers are used for samples that have been analyzed at a lesser dilution than required for accurate quantitation.

C The "C" qualifier indicates the presence of this analyte has been confirmed by GC/MS analysis.

P This qualifier is used for pesticide / Aroclor target analytes where there is greater than 25% difference for the detected concentration between the two GC columns.

N This qualifier indicates presumptive evidence of an analyte. This qualifier is only used for tentatively identified compounds (TIC), where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the "N" qualifier is not used.

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

X Data flagged as rejected by analyst utilizing analytical judgement.

110907 1336

Organic Sample ID Qualifiers

The qualifiers that may be appended to the lab sample ID and/or the client sample ID for organic analysis are defined below:

DL Diluted reanalysis. Indicates that the results of the original analysis of the sample contained compounds that exceeded the calibration range. The sample was diluted and reanalyzed. May be followed by a digit to indicate multiple dilutions of the sample. The results of more than one diluted reanalysis may be reported.

R Reanalysis. The extract was reanalyzed without re-extraction. The "R" is not used if the sample was also re-extracted. May be followed by a digit to indicate multiple reanalysis of the sample at the same dilution.

RE Re-extracted. The extract was reanalyzed with re-extraction. May be followed by a digit to indicate multiple re-extraction of the same sample at the same dilution.

MS Matrix spike (may be followed by a digit to indicate multiple matrix within a sample set).

SD Matrix spike duplicate (may be followed by a digit to indicate multiple matrix spike duplicate within a sample set).

110907 1336

GC/MS VOLATILE ORGANICS

METHOD 8260

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CASE NARRATIVE
GC/MS VOLATILE ORGANICS

PEL Lab Reference No./SDG: 2507372

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

EPA 8260B/SW846

IV. PREPARATION

Water samples were prepared by SW846/5030 for EPA8260B volatiles analysis. All aspects of sample preparation proceeded without exception.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met. PEL does not analyze a low calibration standard at the requested RL for all analytes. The low calibration standard is 1 UG/L for Bromodichloromethane.

B. Blanks:

All acceptance criteria were met.

C. Surrogates:

All acceptance criteria were met.

D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met.

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

A client requested MS/SD set was analyzed. The parent sample required a 1:10 dilution. The spikes were only analyzed and are reported at the 1:10 dilution. All percent recovery and relative percent difference (RPD) criteria were met with the exception of:

CASE NARRATIVE
GC/MS VOLATILE ORGANICS

PEL Lab Reference No./SDG: 2507372

Client: CH2M Hill

MS - TO05MW40AMSDL1 was analyzed with the water samples on 08/21/07. The following analytes were recovered below criteria: 1,2,4-Trichlorobenzene at 86 % with criteria of (87-107), 1,2-Dibromo-3-chloropropane at 78.5 % with criteria of (79-109), 2-Butanone at 74.3 % with criteria of (75-113). The following analytes were recovered above criteria: Chloromethane at 122 % with criteria of (75-111), Vinyl chloride at 126 % with criteria of (78-110).

SD - TO05MW40AMSDDL1 was analyzed with the water samples on 08/21/07. The following analytes were recovered below criteria: 1,2,3-Trichlorobenzene at 82.5 % with criteria of (83-105), 1,2,4-Trichlorobenzene at 81.5 % with criteria of (87-107), Styrene at 92 % with criteria of (93-111). The following analyte(s) were recovered above criteria: Chloromethane at 120 % with criteria of (75-111), Vinyl chloride at 120 % with criteria of (78-110). The following analytes exceeded RPD criteria: 2-Hexanone at 10.7 % with criteria of (7), 4-Methyl-2-pentanone at 8.7 % with criteria of (8).

No further action was required. Samples coded accordingly.

E. Internal Standards:

All acceptance criteria were met.

F. Samples:

Sample analysis proceeded normally. Client specified reporting limits were used.

All samples were screened prior to GC/MS analysis.

Samples TO05MW40B and TO05FD02 were unable to be analyzed full due to a high concentration of Trichloroethene. Dilutions of 1:5 and 1:200 are reported.

Sample TO05MW40A required a 1:10 dilution due to a high concentration of Trichloroethene. Both full and diluted runs are reported.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

SIGNED: **DATE: 08/22/2007**

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CASE NARRATIVE

PEL Lab Reference No./SDG: 2507372

Client: CH2M Hill

MANUAL INTEGRATION SUMMARY

The following analytes were manually integrated by the chemist.

Calibration Sample: STD533642 Analyte: 1,1,2-Trichlorotrifluoroethane Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD533642 Analyte: Chloromethane Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD533642 Analyte: Dichlorodifluoromethane Reason: Baseline integration, needs re-enforced due to interference on target peak

These manual integrations have been reviewed and meet all criteria in accordance with PEL's SOP regarding manual integration.

CHEMIST: **DATE: 08/22/2007**

SECTION LEADER: **DATE: 08/22/2007**

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VOLATILE ORGANIC CROSS REFERENCE TABLE

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Method: 8260

EPA Sample No	Lab Sample ID
TO05MW40A	250737201
TO05MW40ADL1	250737201DL1
TO05MW40B	250737204
TO05MW40BDL1	250737204DL1
TO05FD02	250737205
TO05FD02DL1	250737205DL1
TO05EB1	250737208
TO05TB1	250737209

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Sample Data

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW40A

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: WATER Lab Sample ID: 250737201 Lab File ID: 37201.D

Sample wt/vol: 5 Units: ML Date Received: 08/16/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 08/21/07 Time: 1452

PercentSolids: 0 decanted : (Dilution Factor: 1

Extraction: PURGETRAP Station ID: OLD-OU2-40A Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	1.7	U
74-87-3	Chloromethane	1.5	U
75-01-4	Vinyl chloride	6.6	
74-83-9	Bromomethane	1.5	U
75-00-3	Chloroethane	2.8	U
75-69-4	Trichlorofluoromethane	1.5	U
75-35-4	1,1-Dichloroethene	1.1	U
75-15-0	Carbon disulfide	1.1	U
75-09-2	Methylene chloride	1.4	U
156-60-5	trans-1,2-Dichloroethene	0.79	J
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	18	U
156-59-2	cis-1,2-Dichloroethene	28.1	
74-97-5	Bromochloromethane	2.2	U
78-93-3	2-Butanone	6.6	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1.5	U
71-43-2	Benzene	0.62	J
107-06-2	1,2-Dichloroethane	1.3	U
79-01-6	Trichloroethene	171	E
78-87-5	1,2-Dichloropropane	1.6	U
75-27-4	Bromodichloromethane	0.44	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW40A

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: WATER Lab Sample ID: 250737201 Lab File ID: 37201.D

Sample wt/vol: 5 Units: ML Date Received: 08/16/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 08/21/07 Time: 1452

PercentSolids: 0 decanted : (Dilution Factor: 1

Extraction: PURGETRAP Station ID: OLD-OU2-40A Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
79-00-5	1,1,2-Trichloroethane	1.7	U
127-18-4	Tetrachloroethene	5.8	
591-78-6	2-Hexanone	5.1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1.5	U
75-25-2	Bromoform	1.9	U
98-82-8	Isopropylbenzene (Cumene)	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	2.4	U
120-82-1	1,2,4-Trichlorobenzene	1.5	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1330-20-7	Xylene (total)	3	U
1634-04-4	MTBE	1.2	U
76-13-1	1,1,2-Trichlorotrifluoroethane	2.4	U
108-87-2	Methyl Cyclohexane	1.9	U
79-20-9	Methyl Acetate	7.2	U
110-82-7	Cyclohexane	1	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW40ADL1

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: WATER Lab Sample ID: 250737201DL1 Lab File ID: 37201D.D

Sample wt/vol: 5 Units: ML Date Received: 08/16/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 08/21/07 Time: 0920

PercentSolids: 0 decanted : (Dilution Factor: 10

Extraction: PURGETRAP Station ID: OLD-OU2-40A Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	16.8	U
74-87-3	Chloromethane	14.7	U
75-01-4	Vinyl chloride	13.8	U
74-83-9	Bromomethane	14.7	U
75-00-3	Chloroethane	28.5	U
75-69-4	Trichlorofluoromethane	14.7	U
75-35-4	1,1-Dichloroethene	11.1	U
75-15-0	Carbon disulfide	11.4	U
75-09-2	Methylene chloride	13.5	U
156-60-5	trans-1,2-Dichloroethene	11.7	U
75-34-3	1,1-Dichloroethane	10	U
67-64-1	Acetone	180	U
156-59-2	cis-1,2-Dichloroethene	22.5	
74-97-5	Bromochloromethane	22.2	U
78-93-3	2-Butanone	66	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	15.3	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	13.2	U
79-01-6	Trichloroethene	144	
78-87-5	1,2-Dichloropropane	15.9	U
75-27-4	Bromodichloromethane	4.4	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	50	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	11.7	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW40ADL1

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: WATER Lab Sample ID: 250737201DL1 Lab File ID: 37201D.D

Sample wt/vol: 5 Units: ML Date Received: 08/16/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 08/21/07 Time: 0920

PercentSolids: 0 decanted : (Dilution Factor: 10

Extraction: PURGETRAP Station ID: OLD-OU2-40A Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
79-00-5	1,1,2-Trichloroethane	17.1	U
127-18-4	Tetrachloroethene	17.1	U
591-78-6	2-Hexanone	51	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane(EDB)	10	U
108-90-7	Chlorobenzene	4.4	J
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	15	U
75-25-2	Bromoform	18.6	U
98-82-8	Isopropylbenzene (Cumene)	10	U
79-34-5	1,1,2,2-Tetrachloroethane	11.1	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	11.4	U
96-12-8	1,2-Dibromo-3-chloropropane	23.7	U
120-82-1	1,2,4-Trichlorobenzene	15.3	U
87-61-6	1,2,3-Trichlorobenzene	10	U
1330-20-7	Xylene (total)	30	U
1634-04-4	MTBE	12	U
76-13-1	1,1,2-Trichlorotrifluoroethane	23.7	U
108-87-2	Methyl Cyclohexane	19.2	U
79-20-9	Methyl Acetate	72	U
110-82-7	Cyclohexane	10	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW40B

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: WATER Lab Sample ID: 250737204 Lab File ID: 37204.D

Sample wt/vol: 5 Units: ML Date Received: 08/16/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 08/21/07 Time: 1516

PercentSolids: 0 decanted : (Dilution Factor: 5

Extraction: PURGETRAP Station ID: OLD-OU2-40B Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	8.4	U
74-87-3	Chloromethane	7.4	U
75-01-4	Vinyl chloride	41.3	
74-83-9	Bromomethane	7.4	U
75-00-3	Chloroethane	14.2	U
75-69-4	Trichlorofluoromethane	7.4	U
75-35-4	1,1-Dichloroethene	5.6	U
75-15-0	Carbon disulfide	5.7	U
75-09-2	Methylene chloride	6.8	U
156-60-5	trans-1,2-Dichloroethene	5.8	U
75-34-3	1,1-Dichloroethane	5	U
67-64-1	Acetone	90	U
156-59-2	cis-1,2-Dichloroethene	92	
74-97-5	Bromochloromethane	11.1	U
78-93-3	2-Butanone	33	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	7.6	U
71-43-2	Benzene	1.5	J
107-06-2	1,2-Dichloroethane	6.6	U
79-01-6	Trichloroethene	2740	E
78-87-5	1,2-Dichloropropane	8	U
75-27-4	Bromodichloromethane	2.2	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	25	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5.8	U

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Form I

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW40B

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: WATER Lab Sample ID: 250737204 Lab File ID: 37204.D

Sample wt/vol: 5 Units: ML Date Received: 08/16/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 08/21/07 Time: 1516

PercentSolids: 0 decanted : (Dilution Factor: 5

Extraction: PURGETRAP Station ID: OLD-OU2-40B Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
79-00-5	1,1,2-Trichloroethane	8.6	U
127-18-4	Tetrachloroethene	25.3	
591-78-6	2-Hexanone	25.5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane(EDB)	5	U
108-90-7	Chlorobenzene	3.7	J
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	7.5	U
75-25-2	Bromoform	9.3	U
98-82-8	Isopropylbenzene (Cumene)	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5.6	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5.7	U
96-12-8	1,2-Dibromo-3-chloropropane	11.8	U
120-82-1	1,2,4-Trichlorobenzene	7.6	U
87-61-6	1,2,3-Trichlorobenzene	5	U
1330-20-7	Xylene (total)	15	U
1634-04-4	MTBE	6	U
76-13-1	1,1,2-Trichlorotrifluoroethane	11.8	U
108-87-2	Methyl Cyclohexane	9.6	U
79-20-9	Methyl Acetate	36	U
110-82-7	Cyclohexane	5	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW40BDL1

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: WATER Lab Sample ID: 250737204DL1 Lab File ID: 37204D.D

Sample wt/vol: 5 Units: ML Date Received: 08/16/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 08/21/07 Time: 1405

PercentSolids: 0 decanted : (Dilution Factor: 200

Extraction: PURGETRAP Station ID: OLD-OU2-40B Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	336	U
74-87-3	Chloromethane	294	U
75-01-4	Vinyl chloride	276	U
74-83-9	Bromomethane	294	U
75-00-3	Chloroethane	570	U
75-69-4	Trichlorofluoromethane	294	U
75-35-4	1,1-Dichloroethene	222	U
75-15-0	Carbon disulfide	228	U
75-09-2	Methylene chloride	270	U
156-60-5	trans-1,2-Dichloroethene	234	U
75-34-3	1,1-Dichloroethane	200	U
67-64-1	Acetone	3600	U
156-59-2	cis-1,2-Dichloroethene	91.9	J
74-97-5	Bromochloromethane	444	U
78-93-3	2-Butanone	1320	U
67-66-3	Chloroform	200	U
71-55-6	1,1,1-Trichloroethane	200	U
56-23-5	Carbon tetrachloride	306	U
71-43-2	Benzene	200	U
107-06-2	1,2-Dichloroethane	264	U
79-01-6	Trichloroethene	2710	
78-87-5	1,2-Dichloropropane	318	U
75-27-4	Bromodichloromethane	88	U
10061-01-5	cis-1,3-Dichloropropene	200	U
108-10-1	4-Methyl-2-pentanone	1000	U
108-88-3	Toluene	200	U
10061-02-6	trans-1,3-Dichloropropene	234	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW40BDL1

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: WATER Lab Sample ID: 250737204DL1 Lab File ID: 37204D.D

Sample wt/vol: 5 Units: ML Date Received: 08/16/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 08/21/07 Time: 1405

PercentSolids: 0 decanted : (Dilution Factor: 200

Extraction: PURGETRAP Station ID: OLD-OU2-40B Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
79-00-5	1,1,2-Trichloroethane	342	U
127-18-4	Tetrachloroethene	342	U
591-78-6	2-Hexanone	1020	U
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane(EDB)	200	U
108-90-7	Chlorobenzene	200	U
100-41-4	Ethylbenzene	200	U
100-42-5	Styrene	300	U
75-25-2	Bromoform	372	U
98-82-8	Isopropylbenzene (Cumene)	200	U
79-34-5	1,1,2,2-Tetrachloroethane	222	U
541-73-1	1,3-Dichlorobenzene	200	U
106-46-7	1,4-Dichlorobenzene	200	U
95-50-1	1,2-Dichlorobenzene	228	U
96-12-8	1,2-Dibromo-3-chloropropane	474	U
120-82-1	1,2,4-Trichlorobenzene	306	U
87-61-6	1,2,3-Trichlorobenzene	200	U
1330-20-7	Xylene (total)	600	U
1634-04-4	MTBE	240	U
76-13-1	1,1,2-Trichlorotrifluoroethane	474	U
108-87-2	Methyl Cyclohexane	384	U
79-20-9	Methyl Acetate	1440	U
110-82-7	Cyclohexane	200	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05FD02

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: WATER Lab Sample ID: 250737205 Lab File ID: 37205.D

Sample wt/vol: 5 Units: ML Date Received: 08/16/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 08/21/07 Time: 1540

PercentSolids: 0 decanted : (Dilution Factor: 5

Extraction: PURGETRAP Station ID: Field dupe Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	8.4	U
74-87-3	Chloromethane	7.4	U
75-01-4	Vinyl chloride	36.2	
74-83-9	Bromomethane	7.4	U
75-00-3	Chloroethane	14.2	U
75-69-4	Trichlorofluoromethane	7.4	U
75-35-4	1,1-Dichloroethene	5.6	U
75-15-0	Carbon disulfide	5.7	U
75-09-2	Methylene chloride	6.8	U
156-60-5	trans-1,2-Dichloroethene	5.8	U
75-34-3	1,1-Dichloroethane	5	U
67-64-1	Acetone	90	U
156-59-2	cis-1,2-Dichloroethene	85.3	
74-97-5	Bromochloromethane	11.1	U
78-93-3	2-Butanone	33	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	7.6	U
71-43-2	Benzene	1.5	J
107-06-2	1,2-Dichloroethane	6.6	U
79-01-6	Trichloroethene	2460	E
78-87-5	1,2-Dichloropropane	8	U
75-27-4	Bromodichloromethane	2.2	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	25	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5.8	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05FD02

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: WATER Lab Sample ID: 250737205 Lab File ID: 37205.D

Sample wt/vol: 5 Units: ML Date Received: 08/16/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 08/21/07 Time: 1540

PercentSolids: 0 decanted : (Dilution Factor: 5

Extraction: PURGETRAP Station ID: Field dupe Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
79-00-5	1,1,2-Trichloroethane	8.6	U
127-18-4	Tetrachloroethene	20.9	
591-78-6	2-Hexanone	25.5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane(EDB)	5	U
108-90-7	Chlorobenzene	4.9	J
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	7.5	U
75-25-2	Bromoform	9.3	U
98-82-8	Isopropylbenzene (Cumene)	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5.6	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5.7	U
96-12-8	1,2-Dibromo-3-chloropropane	11.8	U
120-82-1	1,2,4-Trichlorobenzene	7.6	U
87-61-6	1,2,3-Trichlorobenzene	5	U
1330-20-7	Xylene (total)	15	U
1634-04-4	MTBE	6	U
76-13-1	1,1,2-Trichlorotrifluoroethane	11.8	U
108-87-2	Methyl Cyclohexane	9.6	U
79-20-9	Methyl Acetate	36	U
110-82-7	Cyclohexane	5	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05FD02DL1

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: WATER Lab Sample ID: 250737205DL1 Lab File ID: 37205D.D

Sample wt/vol: 5 Units: ML Date Received: 08/16/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 08/21/07 Time: 1429

PercentSolids: 0 decanted : (Dilution Factor: 200

Extraction: PURGETRAP Station ID: Field dupe Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	336	U
74-87-3	Chloromethane	294	U
75-01-4	Vinyl chloride	276	U
74-83-9	Bromomethane	294	U
75-00-3	Chloroethane	570	U
75-69-4	Trichlorofluoromethane	294	U
75-35-4	1,1-Dichloroethene	222	U
75-15-0	Carbon disulfide	228	U
75-09-2	Methylene chloride	270	U
156-60-5	trans-1,2-Dichloroethene	234	U
75-34-3	1,1-Dichloroethane	200	U
67-64-1	Acetone	3600	U
156-59-2	cis-1,2-Dichloroethene	88.7	J
74-97-5	Bromochloromethane	444	U
78-93-3	2-Butanone	1320	U
67-66-3	Chloroform	200	U
71-55-6	1,1,1-Trichloroethane	200	U
56-23-5	Carbon tetrachloride	306	U
71-43-2	Benzene	200	U
107-06-2	1,2-Dichloroethane	264	U
79-01-6	Trichloroethene	2440	
78-87-5	1,2-Dichloropropane	318	U
75-27-4	Bromodichloromethane	88	U
10061-01-5	cis-1,3-Dichloropropene	200	U
108-10-1	4-Methyl-2-pentanone	1000	U
108-88-3	Toluene	200	U
10061-02-6	trans-1,3-Dichloropropene	234	U

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Form I

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05FD02DL1

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: WATER Lab Sample ID: 250737205DL1 Lab File ID: 37205D.D

Sample wt/vol: 5 Units: ML Date Received: 08/16/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 08/21/07 Time: 1429

PercentSolids: 0 decanted : (Dilution Factor: 200

Extraction: PURGETRAP Station ID: Field dupe Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
79-00-5	1,1,2-Trichloroethane	342	U
127-18-4	Tetrachloroethene	342	U
591-78-6	2-Hexanone	1020	U
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane(EDB)	200	U
108-90-7	Chlorobenzene	200	U
100-41-4	Ethylbenzene	200	U
100-42-5	Styrene	300	U
75-25-2	Bromoform	372	U
98-82-8	Isopropylbenzene (Cumene)	200	U
79-34-5	1,1,2,2-Tetrachloroethane	222	U
541-73-1	1,3-Dichlorobenzene	200	U
106-46-7	1,4-Dichlorobenzene	200	U
95-50-1	1,2-Dichlorobenzene	228	U
96-12-8	1,2-Dibromo-3-chloropropane	474	U
120-82-1	1,2,4-Trichlorobenzene	306	U
87-61-6	1,2,3-Trichlorobenzene	200	U
1330-20-7	Xylene (total)	600	U
1634-04-4	MTBE	240	U
76-13-1	1,1,2-Trichlorotrifluoroethane	474	U
108-87-2	Methyl Cyclohexane	384	U
79-20-9	Methyl Acetate	1440	U
110-82-7	Cyclohexane	200	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05EB1

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: WATER Lab Sample ID: 250737208 Lab File ID: 37208.D

Sample wt/vol: 5 Units: ML Date Received: 08/16/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 08/21/07 Time: 1007

PercentSolids: 0 decanted : (Dilution Factor: 1

Extraction: PURGETRAP Station ID: Equipment BLK Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	1.7	U
74-87-3	Chloromethane	1.5	U
75-01-4	Vinyl chloride	1.4	U
74-83-9	Bromomethane	1.5	U
75-00-3	Chloroethane	2.8	U
75-69-4	Trichlorofluoromethane	1.5	U
75-35-4	1,1-Dichloroethene	1.1	U
75-15-0	Carbon disulfide	1.1	U
75-09-2	Methylene chloride	1.4	U
156-60-5	trans-1,2-Dichloroethene	1.2	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	18	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	2.2	U
78-93-3	2-Butanone	6.6	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1.5	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1.3	U
79-01-6	Trichloroethene	1.2	U
78-87-5	1,2-Dichloropropane	1.6	U
75-27-4	Bromodichloromethane	0.44	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05EB1

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: WATER Lab Sample ID: 250737208 Lab File ID: 37208.D

Sample wt/vol: 5 Units: ML Date Received: 08/16/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 08/21/07 Time: 1007

PercentSolids: 0 decanted : (Dilution Factor: 1

Extraction: PURGETRAP Station ID: Equipment BLK Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
79-00-5	1,1,2-Trichloroethane	1.7	U
127-18-4	Tetrachloroethene	1.7	U
591-78-6	2-Hexanone	5.1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1.5	U
75-25-2	Bromoform	1.9	U
98-82-8	Isopropylbenzene (Cumene)	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	2.4	U
120-82-1	1,2,4-Trichlorobenzene	1.5	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1330-20-7	Xylene (total)	3	U
1634-04-4	MTBE	1.2	U
76-13-1	1,1,2-Trichlorotrifluoroethane	2.4	U
108-87-2	Methyl Cyclohexane	1.9	U
79-20-9	Methyl Acetate	7.2	U
110-82-7	Cyclohexane	1	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05TB1

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: WATER Lab Sample ID: 250737209 Lab File ID: 37209.D

Sample wt/vol: 5 Units: ML Date Received: 08/16/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 08/21/07 Time: 1031

PercentSolids: 0 decanted : (Dilution Factor: 1

Extraction: PURGETRAP Station ID: Trip Blk Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	1.7	U
74-87-3	Chloromethane	1.5	U
75-01-4	Vinyl chloride	1.4	U
74-83-9	Bromomethane	1.5	U
75-00-3	Chloroethane	2.8	U
75-69-4	Trichlorofluoromethane	1.5	U
75-35-4	1,1-Dichloroethene	1.1	U
75-15-0	Carbon disulfide	1.1	U
75-09-2	Methylene chloride	1.4	U
156-60-5	trans-1,2-Dichloroethene	1.2	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	18	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	2.2	U
78-93-3	2-Butanone	6.6	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1.5	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1.3	U
79-01-6	Trichloroethene	1.2	U
78-87-5	1,2-Dichloropropane	1.6	U
75-27-4	Bromodichloromethane	0.44	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05TB1

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: WATER Lab Sample ID: 250737209 Lab File ID: 37209.D

Sample wt/vol: 5 Units: ML Date Received: 08/16/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 08/21/07 Time: 1031

PercentSolids: 0 decanted : (Dilution Factor: 1

Extraction: PURGETRAP Station ID: Trip Blk Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
79-00-5	1,1,2-Trichloroethane	1.7	U
127-18-4	Tetrachloroethene	1.7	U
591-78-6	2-Hexanone	5.1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1.5	U
75-25-2	Bromoform	1.9	U
98-82-8	Isopropylbenzene (Cumene)	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	2.4	U
120-82-1	1,2,4-Trichlorobenzene	1.5	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1330-20-7	Xylene (total)	3	U
1634-04-4	MTBE	1.2	U
76-13-1	1,1,2-Trichlorotrifluoroethane	2.4	U
108-87-2	Methyl Cyclohexane	1.9	U
79-20-9	Methyl Acetate	7.2	U
110-82-7	Cyclohexane	1	U

QC Summary

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

082107BLKA32

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: WATER Lab Sample ID: 082107BLKA32 Lab File ID: BLK32.D

Sample wt/vol: 5 Units: ML Date Received: 08/21/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 08/21/07 Time: 0857

PercentSolids: 0 decanted : (Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	1.7	U
74-87-3	Chloromethane	1.5	U
75-01-4	Vinyl chloride	1.4	U
74-83-9	Bromomethane	1.5	U
75-00-3	Chloroethane	2.8	U
75-69-4	Trichlorofluoromethane	1.5	U
75-35-4	1,1-Dichloroethene	1.1	U
75-15-0	Carbon disulfide	1.1	U
75-09-2	Methylene chloride	1.4	U
156-60-5	trans-1,2-Dichloroethene	1.2	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	18	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	2.2	U
78-93-3	2-Butanone	6.6	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1.5	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1.3	U
79-01-6	Trichloroethene	1.2	U
78-87-5	1,2-Dichloropropane	1.6	U
75-27-4	Bromodichloromethane	0.44	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U

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Form I

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

082107BLKA32

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: WATER Lab Sample ID: 082107BLKA32 Lab File ID: BLK32.D

Sample wt/vol: 5 Units: ML Date Received: 08/21/07

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 08/21/07 Time: 0857

PercentSolids: 0 decanted : (Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
79-00-5	1,1,2-Trichloroethane	1.7	U
127-18-4	Tetrachloroethene	1.7	U
591-78-6	2-Hexanone	5.1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1.5	U
75-25-2	Bromoform	1.9	U
98-82-8	Isopropylbenzene (Cumene)	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	2.4	U
120-82-1	1,2,4-Trichlorobenzene	1.5	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1330-20-7	Xylene (total)	3	U
1634-04-4	MTBE	1.2	U
76-13-1	1,1,2-Trichlorotrifluoroethane	2.4	U
108-87-2	Methyl Cyclohexane	1.9	U
79-20-9	Methyl Acetate	7.2	U
110-82-7	Cyclohexane	1	U

4

VOLATILE ORGANIC METHOD BLANK SUMMARY

EPA Sample No.

082107BLKA32

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Lab File ID: BLK32.D Lab Sample ID: 082107BLKA32

Instrument ID: VMS03 Date Extracted:

Matrix: WATER Date Analyzed: 08/21/07

Level:(low/med) LOW Time Analyzed: 0857

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	082107LCSA32	082107LCSA32	LCS32.D	08/21/07	0633
2	TO05MW40AMSDL1	250737202DL1	37202DMS.D	08/21/07	0722
3	TO05MW40AMSDDL1	250737203DL1	37203DSD.D	08/21/07	0745
4	TO05MW40ADL1	250737201DL1	37201D.D	08/21/07	0920
5	TO05EB1	250737208	37208.D	08/21/07	1007
6	TO05TB1	250737209	37209.D	08/21/07	1031
7	TO05MW40BDL1	250737204DL1	37204D.D	08/21/07	1405
8	TO05FD02DL1	250737205DL1	37205D.D	08/21/07	1429
9	TO05MW40A	250737201	37201.D	08/21/07	1452
10	TO05MW40B	250737204	37204.D	08/21/07	1516
11	TO05FD02	250737205	37205.D	08/21/07	1540

COMMENTS:

Page 1 of 1

110907 1336

Form IV

2A

WATER VOLATILE ORGANIC SURROGATE RECOVERY

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG NO.: 2507372

Column(1): DB-624 ID: 0.18 (mm)

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
082107BLKA32	104.0	101.0	97.6	102.0			0
082107LCSA32	105.0	104.0	95.8	101.0			0
TO05EB1	100.0	99.0	98.0	101.0			0
TO05FD02	104.0	101.0	97.2	102.0			0
TO05FD02DL1	99.8	98.0	95.2	101.0			0
TO05MW40A	100.0	96.8	92.4	100.0			0
TO05MW40ADL1	105.0	104.0	104.0	105.0			0
TO05MW40AMSDDL1	99.6	96.8	92.8	98.4			0
TO05MW40AMSDL1	101.0	99.4	96.0	96.4			0
TO05MW40B	104.0	101.0	98.4	103.0			0
TO05MW40BDL1	103.0	101.0	99.2	102.0			0
TO05TB1	104.0	101.0	99.0	102.0			0

Control Limits

S1	=	Dibromofluoromethane	86 -	118
S2	=	Toluene d8	88 -	110
S3	=	4-Bromofluorobenzene	86 -	115
S4	=	1,2-Dichloroethane-d4	80 -	120

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out
Control limit source: (lab/method) METHOD

Form II

110907 1336

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

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Lab File ID: BFB31.D BFB Injection Date: 08/08/07

Instrument ID: VMS03 BFB Injection Time: 0521

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of mass 95	19	
75	30.0 - 60.0% of mass 95	49	
95	Base Peak, 100% relative abundance	100	
96	5.0 - 9.0% of mass 95	7.2	
173	Less than 2.0% of mass 174	0	(0)1
174	50.0 - 100.0% of mass 95	65.9	
175	5.0 - 9.0% of mass 174	4.5	(6.8)1
176	Greater than 95.0%, but less than 101.0% of mass 174	63.7	(96.6)1
177	5.0 - 9.0% of mass 176	4.1	(6.5)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
1	STD533634	080807CCVA32	50PPB.D	08/08/07	0609
2	STD533665	80PPBCAL	80PPB.D	08/08/07	0636
3	STD533664	60PPBCAL	60PPB.D	08/08/07	0700
4	STD533643	20PPBCAL	20PPB.D	08/08/07	0748
5	STD533641	10PPBCAL	10PPB.D	08/08/07	0812
6	STD533663	5PPBCAL	5PPB.D	08/08/07	0836
7	STD533661	2PPBCAL	2PPB.D	08/08/07	0900
8	STD533642	1PPBCAL	1PPB.D	08/08/07	0924
9	SSC533667	SEC31	SEC31.D	08/08/07	0948

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

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Lab File ID: BFB31.D BFB Injection Date: 08/21/07

Instrument ID: VMS03 BFB Injection Time: 0514

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of mass 95	18.8	
75	30.0 - 60.0% of mass 95	49.8	
95	Base Peak, 100% relative abundance	100	
96	5.0 - 9.0% of mass 95	6.6	
173	Less than 2.0% of mass 174	0.5	(0.7)1
174	50.0 - 100.0% of mass 95	70	
175	5.0 - 9.0% of mass 174	5.3	(7.5)1
176	Greater than 95.0%, but less than 101.0% of mass 174	68	(97.1)1
177	5.0 - 9.0% of mass 176	4.1	(6)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
1	CCV536521	082107CCVA32	50CCV32.D	08/21/07	0608
2	082107LCSA32	082107LCSA32	LCS32.D	08/21/07	0633
3	TO05MW40AMSDL1	250737202	37202DMS.D	08/21/07	0722
4	TO05MW40AMSDDL1	250737203	37203DSD.D	08/21/07	0745
5	082107BLKA32	082107BLKA32	BLK32.D	08/21/07	0857
6	TO05MW40ADL1	250737201DL1	37201D.D	08/21/07	0920
7	TO05EB1	250737208	37208.D	08/21/07	1007
8	TO05TB1	250737209	37209.D	08/21/07	1031
9	TO05MW40BDL1	250737204DL1	37204D.D	08/21/07	1405
10	TO05FD02DL1	250737205DL1	37205D.D	08/21/07	1429
11	TO05MW40A	250737201	37201.D	08/21/07	1452
12	TO05MW40B	250737204	37204.D	08/21/07	1516
13	TO05FD02	250737205	37205.D	08/21/07	1540

8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Lab File ID (Standard): 50PPB.D Date Analyzed: 8/8/2007

Instrument ID: VMS03 Time Analyzed: 6:09

GC Column: DB-624 ID: 0.18 (mm)

Matrix: (soil/water) W Heated Purge: (Y/N) No

		IS1 AREA	#	RT	IS2 AREA	#	RT	IS3 AREA	#	RT
	MID CAL STD	1065619		10.63	594676		13.05	1538145		7.33
	UPPER LIMIT	2131238		11.13	1189352		13.55	3076290		7.83
	LOWER LIMIT	532809.5		10.13	297338		12.55	769072.5		6.83
	EPA SAMPLE NO.									
1	082107LCSA32	1092787		10.63	597285		13.05	1460649		7.33
2	TO05MW40AMSDL1	1092397		10.63	594525		13.05	1544311		7.33
3	TO05MW40AMSDDL1	1087321		10.63	586909		13.05	1498383		7.33
4	082107BLKA32	1074765		10.63	560485		13.05	1475265		7.33
5	TO05MW40ADL1	1070664		10.63	549856		13.05	1506270		7.33
6	TO05EB1	1053841		10.63	528766		13.05	1483891		7.33
7	TO05TB1	1052153		10.63	542392		13.05	1478197		7.33
8	TO05MW40BDL1	1046222		10.63	540540		13.05	1462966		7.33
9	TO05FD02DL1	1045068		10.63	550641		13.05	1461889		7.33
10	TO05MW40A	1047714		10.63	551148		13.05	1466208		7.33
11	TO05MW40B	1012413		10.63	527519		13.05	1405929		7.33
12	TO05FD02	1021970		10.63	534672		13.05	1447597		7.33

IS1 = Chlorobenzene d5

IS2 = 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

110907 1336

FORM VIII

3

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

082107LCSA32

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	20	24.8	124.0		20.0	57 - 136
Chloromethane	20	23.4	117.0		20.0	70 - 130
Vinyl chloride	20	23.7	118.0		20.0	70 - 130
Bromomethane	20	22.7	114.0		20.0	70 - 130
Chloroethane	20	22.5	112.0		20.0	70 - 130
Trichlorofluoromethane	20	21.7	108.0		20.0	70 - 130
1,1-Dichloroethene	20	21.5	108.0		20.0	70 - 130
Carbon disulfide	20	18.9	94.5		20.0	70 - 130
Methylene chloride	20	19.6	98.0		20.0	70 - 130
trans-1,2-Dichloroethene	20	20.8	104.0		20.0	70 - 130
1,1-Dichloroethane	20	21.6	108.0		20.0	70 - 130
Acetone	60	65.8	110.0		20.0	70 - 130
cis-1,2-Dichloroethene	20	20.9	104.0		20.0	70 - 130
Bromochloromethane	20	19.9	99.5		20.0	70 - 130
2-Butanone	60	51.1	85.2		20.0	70 - 130
Chloroform	20	20.8	104.0		20.0	70 - 130
1,1,1-Trichloroethane	20	22.6	113.0		20.0	70 - 130
Carbon tetrachloride	20	23.8	119.0		20.0	70 - 130
Benzene	20	20.2	101.0		20.0	70 - 130
1,2-Dichloroethane	20	20.4	102.0		20.0	70 - 130
Trichloroethene	20	20.7	104.0		20.0	70 - 130
1,2-Dichloropropane	20	20.8	104.0		20.0	70 - 130
Bromodichloromethane	20	20.4	102.0		20.0	70 - 130
cis-1,3-Dichloropropene	20	18.4	92.0		20.0	70 - 130
4-Methyl-2-pentanone	60	54.2	90.3		20.0	70 - 130
Toluene	20	21.1	106.0		20.0	70 - 130
trans-1,3-Dichloropropene	20	18.8	94.0		20.0	70 - 130
1,1,2-Trichloroethane	20	20.8	104.0		20.0	70 - 130
Tetrachloroethene	20	20.3	102.0		20.0	70 - 130
2-Hexanone	60	53.8	89.7		20.0	70 - 130
Dibromochloromethane	20	19.7	98.5		20.0	70 - 130
1,2-Dibromoethane(EDB)	20	19.3	96.5		20.0	70 - 130

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

110907 1336

Form III

3

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

082107LCSA32

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Chlorobenzene	20	20.4	102.0		20.0	70 - 130
Ethylbenzene	20	20.1	100.0		20.0	70 - 130
Styrene	20	19.7	98.5		20.0	70 - 130
Bromoform	20	19	95.0		20.0	70 - 130
Isopropylbenzene (Cumene)	20	20.8	104.0		20.0	70 - 130
1,1,2,2-Tetrachloroethane	20	19	95.0		20.0	70 - 130
1,3-Dichlorobenzene	20	20.3	102.0		20.0	70 - 130
1,4-Dichlorobenzene	20	20.7	104.0		20.0	70 - 130
1,2-Dichlorobenzene	20	19.7	98.5		20.0	70 - 130
1,2-Dibromo-3-chloropropane	20	17.9	89.5		20.0	70 - 130
1,2,4-Trichlorobenzene	20	19.1	95.5		20.0	70 - 130
1,2,3-Trichlorobenzene	20	19.9	99.5		20.0	70 - 130
Xylene (total)	60	59.7	99.5		20.0	70 - 130
MTBE	20	22.8	114.0		20.0	70 - 130
1,1,2-Trichlorotrifluoroethane	20	19.2	96.0		20.0	70 - 130
Methyl Cyclohexane	20	20.5	102.0		20.0	70 - 130
Methyl Acetate	20	19.5	97.5		20.0	56 - 131
Cyclohexane	20	20.6	103.0		20.0	70 - 130

Spike Recovery: 0 out of 50 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

110907 1336

Form III

3

VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5 TO05MW40AMSDL1

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
Dichlorodifluoromethane	200	0	246	123.0	72 - 127
Chloromethane	200	0	244	122.0 *	75 - 111
Vinyl chloride	200	0	252	126.0 *	78 - 110
Bromomethane	200	0	224	112.0	83 - 120
Chloroethane	200	0	223	112.0	85 - 121
Trichlorofluoromethane	200	0	221	110.0	88 - 119
1,1-Dichloroethene	200	0	202	101.0	89 - 113
Carbon disulfide	200	0	169	84.5	67 - 124
Methylene chloride	200	0	188	94.0	88 - 113
trans-1,2-Dichloroethene	200	0	201	100.0	85 - 113
1,1-Dichloroethane	200	0	207	104.0	91 - 110
Acetone	600	0	495	82.5	76 - 133
cis-1,2-Dichloroethene	200	22.5	228	103.0	89 - 117
Bromochloromethane	200	0	185	92.5	86 - 107
2-Butanone	600	0	446	74.3 *	75 - 113
Chloroform	200	0	195	97.5	89 - 114
1,1,1-Trichloroethane	200	0	212	106.0	86 - 114
Carbon tetrachloride	200	0	216	108.0	85 - 125
Benzene	200	0	189	94.5	92 - 110
1,2-Dichloroethane	200	0	187	93.5	88 - 113
Trichloroethene	200	144	340	98.0	78 - 119
1,2-Dichloropropane	200	0	194	97.0	92 - 109
Bromodichloromethane	200	0	182	91.0	83 - 114
cis-1,3-Dichloropropene	200	0	167	83.5	79 - 109
4-Methyl-2-pentanone	600	0	493	82.2	67 - 113
Toluene	200	0	195	97.5	89 - 121
trans-1,3-Dichloropropene	200	0	174	87.0	70 - 108
1,1,2-Trichloroethane	200	0	190	95.0	89 - 116
Tetrachloroethene	200	0	208	104.0	88 - 115
2-Hexanone	600	0	470	78.3	65 - 118

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

110907 1336

3

VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

TO05MW40AMSDL1

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
Dibromochloromethane	200	0	186	93.0	78 - 114
1,2-Dibromoethane(EDB)	200	0	185	92.5	90 - 109
Chlorobenzene	200	4.4	202	98.8	35 - 148
Ethylbenzene	200	0	197	98.5	93 - 111
Styrene	200	0	191	95.5	93 - 111
Bromoform	200	0	175	87.5	57 - 117
Isopropylbenzene (Cumene)	200	0	206	103.0	91 - 107
1,1,2,2-Tetrachloroethane	200	0	177	88.5	85 - 100
1,3-Dichlorobenzene	200	0	200	100.0	84 - 112
1,4-Dichlorobenzene	200	0	201	100.0	56 - 132
1,2-Dichlorobenzene	200	0	194	97.0	87 - 110
1,2-Dibromo-3-chloropropane	200	0	157	78.5 *	79 - 109
1,2,4-Trichlorobenzene	200	0	172	86.0 *	87 - 107
1,2,3-Trichlorobenzene	200	0	174	87.0	83 - 105
Xylene (total)	600	0	586	97.7	90 - 111
MTBE	200	0	201	100.0	90 - 111
1,1,2-Trichlorotrifluoroethane	200	0	189	94.5	84 - 122
Methyl Cyclohexane	200	0	193	96.5	80 - 118
Methyl Acetate	200	0	172	86.0	81 - 105
Cyclohexane	200	0	189	94.5	84 - 119

Spike Recovery: 5 out of 50 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

110907 1336

3

VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO- TO05MW40AMSDDL1

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	200	227	114.0	8.0	13	72 - 127
Chloromethane	200	239	120.0 *	2.1	19	75 - 111
Vinyl chloride	200	241	120.0 *	4.5	15	78 - 110
Bromomethane	200	203	102.0	9.8	20	83 - 120
Chloroethane	200	215	108.0	3.7	18	85 - 121
Trichlorofluoromethane	200	208	104.0	6.1	20	88 - 119
1,1-Dichloroethene	200	188	94.0	7.2	17	89 - 113
Carbon disulfide	200	171	85.5	1.2	16	67 - 124
Methylene chloride	200	191	95.5	1.6	20	88 - 113
trans-1,2-Dichloroethene	200	181	90.5	10.5	13	85 - 113
1,1-Dichloroethane	200	197	98.5	5.0	16	91 - 110
Acetone	600	488	81.3	1.4	17	76 - 133
cis-1,2-Dichloroethene	200	224	101.0	1.8	13	89 - 117
Bromochloromethane	200	190	95.0	2.7	13	86 - 107
2-Butanone	600	498	83.0	11.0	20	75 - 113
Chloroform	200	194	97.0	0.5	10	89 - 114
1,1,1-Trichloroethane	200	207	104.0	2.4	19	86 - 114
Carbon tetrachloride	200	203	102.0	6.2	16	85 - 125
Benzene	200	185	92.5	2.1	7	92 - 110
1,2-Dichloroethane	200	190	95.0	1.6	11	88 - 113
Trichloroethene	200	334	95.0	1.8	16	78 - 119
1,2-Dichloropropane	200	196	98.0	1.0	10	92 - 109
Bromodichloromethane	200	188	94.0	3.2	11	83 - 114
cis-1,3-Dichloropropene	200	165	82.5	1.2	14	79 - 109
4-Methyl-2-pentanone	600	538	89.7	8.7 *	8	67 - 113
Toluene	200	190	95.0	2.6	13	89 - 121
trans-1,3-Dichloropropene	200	174	87.0	0.0	8	70 - 108
1,1,2-Trichloroethane	200	193	96.5	1.6	13	89 - 116
Tetrachloroethene	200	195	97.5	6.5	12	88 - 115
2-Hexanone	600	523	87.2	10.7 *	7	65 - 118

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

110907 1336

3

VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO- TO05MW40AMSDDL1

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Dibromochloromethane	200	184	92.0	1.1	11	78 - 114
1,2-Dibromoethane(EDB)	200	183	91.5	1.1	14	90 - 109
Chlorobenzene	200	197	96.3	2.5	7	35 - 148
Ethylbenzene	200	193	96.5	2.1	14	93 - 111
Styrene	200	184	92.0 *	3.7	7	93 - 111
Bromoform	200	177	88.5	1.1	14	57 - 117
Isopropylbenzene (Cumene)	200	198	99.0	4.0	12	91 - 107
1,1,2,2-Tetrachloroethane	200	187	93.5	5.5	11	85 - 100
1,3-Dichlorobenzene	200	191	95.5	4.6	14	84 - 112
1,4-Dichlorobenzene	200	196	98.0	2.5	11	56 - 132
1,2-Dichlorobenzene	200	186	93.0	4.2	8	87 - 110
1,2-Dibromo-3-chloropropane	200	166	83.0	5.6	20	79 - 109
1,2,4-Trichlorobenzene	200	163	81.5 *	5.4	16	87 - 107
1,2,3-Trichlorobenzene	200	165	82.5 *	5.3	12	83 - 105
Xylene (total)	600	563	93.8	4.0	9	90 - 111
MTBE	200	200	100.0	0.5	11	90 - 111
1,1,2-Trichlorotrifluoroethane	200	187	93.5	1.1	20	84 - 122
Methyl Cyclohexane	200	182	91.0	5.9	9	80 - 118
Methyl Acetate	200	184	92.0	6.7	10	81 - 105
Cyclohexane	200	187	93.5	1.1	11	84 - 119

RPD: 2 out of 50 outside limits

Spike Recovery: 5 out of 50 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

110907 1336

Standards Data

110907 1336

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Instrument ID: VMS03 Calibration Date Begin: 08/08/07 End: 08/08/07

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 609 End: 924

Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF1 =1PPB.D RRF2 =2PPB.D
RRF5 =5PPB.D RRF10 =10PPB.D RRF20 =20PPB.D

COMPOUND		RRF1	RRF2	RRF5	RRF10	RRF20	$\overline{RRF}$	%RSD OR R^2
Dichlorodifluoromethane		0.144	0.173	0.205	0.162	0.183		
Chloromethane	#	0.461	0.411	0.367	0.295	0.321		#
Vinyl chloride	*	0.252	0.271	0.275	0.232	0.243		*
Bromomethane		0.148	0.145	0.158	0.131	0.146		
Chloroethane		0.195	0.193	0.196	0.158	0.175		
Trichlorofluoromethane		0.246	0.303	0.301	0.246	0.263		
1,1-Dichloroethene	*	0.443	0.504	0.508	0.457	0.484		*
Carbon disulfide		1.062	1.092	1.080	1.009	1.045		
Methylene chloride		0.584	0.528	0.477	0.472	0.519		
trans-1,2-Dichloroethene		0.441	0.472	0.472	0.419	0.447		
1,1-Dichloroethane	#	0.540	0.554	0.567	0.529	0.537		#
Acetone			0.081	0.074	0.088	0.070		
cis-1,2-Dichloroethene		0.316	0.305	0.331	0.306	0.326		
Bromochloromethane		0.322	0.296	0.312	0.294	0.299		
2-Butanone			0.163	0.180	0.149	0.148		
Chloroform	*	0.523	0.507	0.539	0.516	0.515		*
1,1,1-Trichloroethane		0.317	0.324	0.346	0.324	0.341		
Carbon tetrachloride		0.255	0.251	0.265	0.255	0.269		
Benzene		1.322	1.348	1.333	1.228	1.290		
1,2-Dichloroethane		0.427	0.419	0.437	0.414	0.427		
Trichloroethene		0.274	0.284	0.290	0.266	0.278		
1,2-Dichloropropane	*	0.316	0.328	0.342	0.319	0.332		*
Bromodichloromethane		0.362	0.384	0.383	0.366	0.390		
cis-1,3-Dichloropropene		0.455	0.430	0.458	0.443	0.489		
4-Methyl-2-pentanone		0.745	0.735	0.769	0.802	0.808		
Toluene	*	0.731	0.774	0.791	0.753	0.791		*
trans-1,3-Dichloropropene		0.329	0.335	0.368	0.364	0.404		
1,1,2-Trichloroethane		0.268	0.257	0.266	0.262	0.272		
Tetrachloroethene		0.292	0.280	0.288	0.266	0.281		
2-Hexanone		0.282	0.270	0.327	0.324	0.329		
Dibromochloromethane		0.318	0.321	0.348	0.344	0.372		
1,2-Dibromoethane(EDB)		0.332	0.342	0.357	0.355	0.368		
Chlorobenzene	#	1.132	1.164	1.189	1.111	1.127		#
Ethylbenzene	*	0.597	0.644	0.638	0.595	0.614		*

110907 1336

FORM VI

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Instrument ID: VMS03 Calibration Date Begin: 08/08/07 End: 08/08/07

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 609 End: 924

Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF1 =1PPB.D RRF2 =2PPB.D
RRF5 =5PPB.D RRF10 =10PPB.D RRF20 =20PPB.D

COMPOUND	RRF1	RRF2	RRF5	RRF10	RRF20	$\overline{RRF}$	%RSD OR R^2
p,m-Xylene	0.764	0.775	0.806	0.775	0.808		
o-Xylene	1.682	1.678	1.743	1.684	1.749		
Styrene	1.147	1.146	1.238	1.217	1.276		
Bromoform #	0.167	0.174	0.182	0.186	0.198		#
Isopropylbenzene (Cumene)	3.057	3.435	3.554	3.341	3.528		
1,1,2,2-Tetrachloroethane #	0.906	0.973	0.978	0.970	0.994		#
1,3-Dichlorobenzene	1.708	1.686	1.647	1.610	1.689		
1,4-Dichlorobenzene	1.803	1.711	1.681	1.589	1.632		
1,2-Dichlorobenzene	1.561	1.592	1.618	1.573	1.624		
1,2-Dibromo-3-chloropropane		0.127	0.135	0.149	0.156		
1,2,4-Trichlorobenzene	1.073	1.016	1.006	0.985	0.981		
1,2,3-Trichlorobenzene	0.980	0.883	0.887	0.870	0.863		
MTBE	0.559	0.518	0.595	0.606	0.531		
1,1,2-Trichlorotrifluoroethane	0.149	0.225	0.253	0.211	0.245		
Methyl Cyclohexane	0.350	0.372	0.366	0.349	0.354		
Methyl Acetate	0.291	0.256	0.269	0.263	0.248		
Cyclohexane	0.468	0.500	0.516	0.480	0.507		
==========							
Dibromofluoromethane(SURR)		0.274	0.226	0.214	0.247		
Toluene d8(SURR)		1.157	0.950	0.885	1.009		
4-Bromofluorobenzene(SURR)		1.244	0.967	0.937	1.053		
1,2-Dichloroethane-d4(SURR)		0.067	0.058	0.054	0.058		

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Instrument ID: VMS03 Calibration Date Begin: 08/08/07 End: 08/08/07

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 609 End: 924

Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF50 =50PPB.D RRF60 =60PPB.D
RRF80 =80PPB.D

COMPOUND		RRF50	RRF60	RRF80			$\overline{RRF}$	%RSD OR R^2	
Dichlorodifluoromethane		0.190	0.199	0.225			0.18509	0.99961	
Chloromethane	#	0.291	0.322	0.317			0.34811	0.99798	#
Vinyl chloride	*	0.211	0.242	0.229			0.24434	8.7	*
Bromomethane		0.127	0.143	0.139			0.14207	6.9	
Chloroethane		0.163	0.178	0.174			0.17904	8	
Trichlorofluoromethane		0.275	0.313	0.305			0.2814	9.8	
1,1-Dichloroethene	*	0.458	0.522	0.510			0.48568	6.1	*
Carbon disulfide		1.000	1.093	1.083			1.05812	3.5	
Methylene chloride		0.429	0.482	0.484			0.49693	9.3	
trans-1,2-Dichloroethene		0.408	0.454	0.437			0.44377	5.2	
1,1-Dichloroethane	#	0.520	0.535	0.537			0.53988	2.7	#
Acetone		0.077	0.066	0.071			0.07509	9.7	
cis-1,2-Dichloroethene		0.304	0.331	0.319			0.3172	3.6	
Bromochloromethane		0.293	0.309	0.306			0.30388	3.3	
2-Butanone		0.139	0.141	0.143			0.15186	9.6	
Chloroform	*	0.499	0.533	0.515			0.51828	2.5	*
1,1,1-Trichloroethane		0.334	0.332	0.340			0.33238	3	
Carbon tetrachloride		0.276	0.292	0.298			0.26999	6.5	
Benzene		1.198	1.293	1.273			1.28568	4	
1,2-Dichloroethane		0.399	0.417	0.414			0.41922	2.7	
Trichloroethene		0.254	0.284	0.280			0.27633	4.1	
1,2-Dichloropropane	*	0.312	0.331	0.333			0.32651	3.1	*
Bromodichloromethane		0.374	0.393	0.402			0.38146	3.6	
cis-1,3-Dichloropropene		0.470	0.497	0.510			0.46888	5.9	
4-Methyl-2-pentanone		0.751	0.798	0.778			0.77333	3.6	
Toluene	*	0.740	0.797	0.787			0.7705	3.4	*
trans-1,3-Dichloropropene		0.408	0.431	0.439			0.38487	10.9	
1,1,2-Trichloroethane		0.254	0.271	0.263			0.2639	2.4	
Tetrachloroethene		0.270	0.282	0.287			0.28067	3.2	
2-Hexanone		0.305	0.330	0.324			0.31137	7.5	
Dibromochloromethane		0.389	0.395	0.406			0.3617	9.3	
1,2-Dibromoethane(EDB)		0.363	0.371	0.373			0.35774	4	
Chlorobenzene	#	1.111	1.134	1.145			1.13894	2.3	#
Ethylbenzene	*	0.599	0.624	0.636			0.61831	3.2	*

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FORM VI

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Instrument ID: VMS03 Calibration Date Begin: 08/08/07 End: 08/08/07

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 609 End: 924

Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF50 =50PPB.D RRF60 =60PPB.D
RRF80 =80PPB.D

COMPOUND	RRF50	RRF60	RRF80			$\overline{RRF}$	%RSD OR R^2
p,m-Xylene	0.778	0.797	0.815			0.78958	2.4
o-Xylene	1.728	1.798	1.824			1.7357	3.2
Styrene	1.287	1.325	1.356			1.2491	6.2
Bromoform #	0.214	0.217	0.225			0.19543	0.99994 #
Isopropylbenzene (Cumene)	3.350	3.540	3.524			3.4161	4.9
1,1,2,2-Tetrachloroethane #	0.927	0.946	0.938			0.95384	3.1 #
1,3-Dichlorobenzene	1.585	1.651	1.632			1.65094	2.5
1,4-Dichlorobenzene	1.536	1.628	1.581			1.64513	5.1
1,2-Dichlorobenzene	1.526	1.586	1.551			1.57881	2.1
1,2-Dibromo-3-chloropropane	0.156	0.160	0.156			0.1483	0.99972
1,2,4-Trichlorobenzene	0.935	0.968	0.967			0.99149	4.2
1,2,3-Trichlorobenzene	0.786	0.835	0.804			0.86361	6.9
MTBE	0.589	0.556	0.560			0.5644	5.5
1,1,2-Trichlorotrifluoroethane	0.204	0.236	0.231			0.21941	14.9
Methyl Cyclohexane	0.335	0.369	0.367			0.35761	3.6
Methyl Acetate	0.225	0.202	0.221			0.24672	11.8
Cyclohexane	0.475	0.535	0.531			0.50155	5.1
Dibromofluoromethane(SURR)	0.235	0.240	0.236			0.2388	7.8
Toluene d8(SURR)	0.987	0.981	0.979			0.9925	8.3
4-Bromofluorobenzene(SURR)	1.018	1.013	1.009			1.03472	9.6
1,2-Dichloroethane-d4(SURR)	0.059	0.057	0.056			0.05852	7

110907 1336

FORM VI

7SSC

VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Instrument ID: VMS03 CalibrationDate: 08/08/07 Time: 0948

CCV ID: SSC533667 Lab File ID: SEC31.D Init. Calib. Date Begin: 08/08/07 End: 08/08/07

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND		Expected	Found	%D / %Drift	Curve Type
Dichlorodifluoromethane		50	52.4	4.8	2ORD
Chloromethane	#	50	48.4	3.2	2ORD #
Vinyl chloride	*	0.24434	0.2297	6.0	AVRG *
Bromomethane		0.14207	0.13581	4.4	AVRG
Chloroethane		0.17904	0.17105	4.5	AVRG
Trichlorofluoromethane		0.2814	0.28967	2.9	AVRG
1,1-Dichloroethene	*	0.48568	0.47837	1.5	AVRG *
Carbon disulfide		1.05812	1.017	3.9	AVRG
Methylene chloride		0.49693	0.4458	10.3	AVRG
trans-1,2-Dichloroethene		0.44377	0.4169	6.1	AVRG
1,1-Dichloroethane	#	0.53988	0.52102	3.5	AVRG #
Acetone		0.07509	0.07459	0.7	AVRG
cis-1,2-Dichloroethene		0.3172	0.3159	0.4	AVRG
Bromochloromethane		0.30388	0.28979	4.6	AVRG
2-Butanone		0.15186	0.14427	5.0	AVRG
Chloroform	*	0.51828	0.51511	0.6	AVRG *
1,1,1-Trichloroethane		0.33238	0.33752	1.5	AVRG
Carbon tetrachloride		0.26999	0.27795	2.9	AVRG
Benzene		1.28568	1.246	3.1	AVRG
1,2-Dichloroethane		0.41922	0.40982	2.2	AVRG
Trichloroethene		0.27633	0.27393	0.9	AVRG
1,2-Dichloropropane	*	0.32651	0.3252	0.4	AVRG *
Bromodichloromethane		0.38146	0.38474	0.9	AVRG
cis-1,3-Dichloropropene		0.46888	0.47987	2.3	AVRG
4-Methyl-2-pentanone		0.77333	0.80653	4.3	AVRG
Toluene	*	0.7705	0.7666	0.5	AVRG *
trans-1,3-Dichloropropene		0.38487	0.40933	6.4	AVRG
1,1,2-Trichloroethane		0.2639	0.26276	0.4	AVRG
Tetrachloroethene		0.28067	0.28335	1.0	AVRG
2-Hexanone		0.31137	0.33508	7.6	AVRG
Dibromochloromethane		0.3617	0.39808	10.1	AVRG
1,2-Dibromoethane(EDB)		0.35774	0.37831	5.7	AVRG
Chlorobenzene	#	1.13894	1.145	0.5	AVRG #
Ethylbenzene	*	0.61831	0.62873	1.7	AVRG *
p,m-Xylene		0.78958	0.81073	2.7	AVRG
o-Xylene		1.7357	1.815	4.6	AVRG

110907 1336

FORM VII

7SSC

VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Instrument ID: VMS03 CalibrationDate: 08/08/07 Time: 0948

CCV ID: SSC533667 Lab File ID: SEC31.D Init. Calib. Date Begin: 08/08/07 End: 08/08/07

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
Styrene	1.2491	1.322	5.8	AVRG
Bromoform #	50	50.2	0.4	2ORD #
Isopropylbenzene (Cumene)	3.4161	3.532	3.4	AVRG
1,1,2,2-Tetrachloroethane #	0.95384	0.9689	1.6	AVRG #
1,3-Dichlorobenzene	1.65094	1.629	1.3	AVRG
1,4-Dichlorobenzene	1.64513	1.58	4.0	AVRG
1,2-Dichlorobenzene	1.57881	1.552	1.7	AVRG
1,2-Dibromo-3-chloropropane	50	49.5	1.0	2ORD
1,2,4-Trichlorobenzene	0.99149	0.94728	4.5	AVRG
1,2,3-Trichlorobenzene	0.86361	0.79136	8.4	AVRG
MTBE	0.5644	0.54251	3.9	AVRG
1,1,2-Trichlorotrifluoroethane	0.21941	0.25251	15.1	AVRG
Methyl Cyclohexane	0.35761	0.35051	2.0	AVRG
Methyl Acetate	0.24672	0.2261	8.4	AVRG
Cyclohexane	0.50155	0.50676	1.0	AVRG
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Dibromofluoromethane(SURR)	0.2388	0.23737	0.6	AVRG
Toluene d8(SURR)	0.9925	0.9891	0.3	AVRG
4-Bromofluorobenzene(SURR)	1.03472	1.02	1.4	AVRG
1,2-Dichloroethane-d4(SURR)	0.05852	0.05894	0.7	AVRG

110907 1336

FORM VII

7

VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Instrument ID: VMS03 CalibrationDate: 08/21/07 Time: 0608

CCV ID: CCV536521 Lab File ID: 50CCV32.D Init. Calib. Date Begin: 08/08/07 End: 08/08/07

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND		Expected	Found	%D / %Drift	Curve Type	
Dichlorodifluoromethane		50	57.6	15.2	2ORD	
Chloromethane	#	50	54.6	9.2	2ORD	#
Vinyl chloride	*	0.24434	0.26013	6.5	AVRG	*
Bromomethane		0.14207	0.1574	10.8	AVRG	
Chloroethane		0.17904	0.19591	9.4	AVRG	
Trichlorofluoromethane		0.2814	0.32525	15.6	AVRG	
1,1-Dichloroethene	*	0.48568	0.4786	1.5	AVRG	*
Carbon disulfide		1.05812	0.86084	18.6	AVRG	
Methylene chloride		0.49693	0.44338	10.8	AVRG	
trans-1,2-Dichloroethene		0.44377	0.43639	1.7	AVRG	
1,1-Dichloroethane	#	0.53988	0.5516	2.2	AVRG	#
Acetone		0.07509	0.07648	1.9	AVRG	
cis-1,2-Dichloroethene		0.3172	0.30751	3.1	AVRG	
Bromochloromethane		0.30388	0.28602	5.9	AVRG	
2-Butanone		0.15186	0.12187	19.7	AVRG	
Chloroform	*	0.51828	0.50792	2.0	AVRG	*
1,1,1-Trichloroethane		0.33238	0.36326	9.3	AVRG	
Carbon tetrachloride		0.26999	0.30976	14.7	AVRG	
Benzene		1.28568	1.214	5.6	AVRG	
1,2-Dichloroethane		0.41922	0.40292	3.9	AVRG	
Trichloroethene		0.27633	0.26753	3.2	AVRG	
1,2-Dichloropropane	*	0.32651	0.32335	1.0	AVRG	*
Bromodichloromethane		0.38146	0.38041	0.3	AVRG	
cis-1,3-Dichloropropene		0.46888	0.42388	9.6	AVRG	
4-Methyl-2-pentanone		0.77333	0.65017	15.9	AVRG	
Toluene	*	0.7705	0.75953	1.4	AVRG	*
trans-1,3-Dichloropropene		0.38487	0.3659	4.9	AVRG	
1,1,2-Trichloroethane		0.2639	0.2573	2.5	AVRG	
Tetrachloroethene		0.28067	0.27485	2.1	AVRG	
2-Hexanone		0.31137	0.26274	15.6	AVRG	
Dibromochloromethane		0.3617	0.35759	1.1	AVRG	
1,2-Dibromoethane(EDB)		0.35774	0.32889	8.1	AVRG	
Chlorobenzene	#	1.13894	1.105	3.0	AVRG	#
Ethylbenzene	*	0.61831	0.59971	3.0	AVRG	*
p,m-Xylene		0.78958	0.75294	4.6	AVRG	
o-Xylene		1.7357	1.629	6.1	AVRG	

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FORM VII

7

VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Instrument ID: VMS03 CalibrationDate: 08/21/07 Time: 0608

CCV ID: CCV536521 Lab File ID: 50CCV32.D Init. Calib. Date Begin: 08/08/07 End: 08/08/07

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
Styrene	1.2491	1.196	4.3	AVRG
Bromoform #	50	45.4	9.2	2ORD #
Isopropylbenzene (Cumene)	3.4161	3.422	0.2	AVRG
1,1,2,2-Tetrachloroethane #	0.95384	0.8431	11.6	AVRG #
1,3-Dichlorobenzene	1.65094	1.576	4.5	AVRG
1,4-Dichlorobenzene	1.64513	1.601	2.7	AVRG
1,2-Dichlorobenzene	1.57881	1.486	5.9	AVRG
1,2-Dibromo-3-chloropropane	50	43	14.0	2ORD
1,2,4-Trichlorobenzene	0.99149	0.89119	10.1	AVRG
1,2,3-Trichlorobenzene	0.86361	0.79953	7.4	AVRG
MTBE	0.5644	0.65981	16.9	AVRG
1,1,2-Trichlorotrifluoroethane	0.21941	0.2178	0.7	AVRG
Methyl Cyclohexane	0.35761	0.35124	1.8	AVRG
Methyl Acetate	0.24672	0.21989	10.9	AVRG
Cyclohexane	0.50155	0.47613	5.1	AVRG
==========				
Dibromofluoromethane(SURR)	0.2388	0.25648	7.4	AVRG
Toluene d8(SURR)	0.9925	1.039	4.7	AVRG
4-Bromofluorobenzene(SURR)	1.03472	1.012	2.2	AVRG
1,2-Dichloroethane-d4(SURR)	0.05852	0.05959	1.8	AVRG

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FORM VII

Laboratory Control Limits

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: _____ SAS No: _____ SDG NO.: 2507372

METHOD: 8260 **MATRIX:** W

ANALYTE	LCS % REC	LCS RPD	MS % REC	MS RPD	PDS % REC	SD %D	SURR-OGATE % REC
1,1,1-Trichloroethane	70-130	20	86-114	19			
1,1,2,2-Tetrachloroethane	70-130	20	85-100	11			
1,1,2-Trichloroethane	70-130	20	89-116	13			
1,1,2-Trichlorotrifluoroethane	70-130	20	84-122	20			
1,1-Dichloroethane	70-130	20	91-110	16			
1,1-Dichloroethene	70-130	20	89-113	17			
1,2,3-Trichlorobenzene	70-130	20	83-105	12			
1,2,4-Trichlorobenzene	70-130	20	87-107	16			
1,2-Dibromo-3-chloropropane	70-130	20	79-109	20			
1,2-Dibromoethane(EDB)	70-130	20	90-109	14			
1,2-Dichlorobenzene	70-130	20	87-110	8			
1,2-Dichloroethane	70-130	20	88-113	11			
1,2-Dichloroethane-d4							80-120
1,2-Dichloropropane	70-130	20	92-109	10			
1,3-Dichlorobenzene	70-130	20	84-112	14			
1,4-Dichlorobenzene	70-130	20	56-132	11			
2-Butanone	70-130	20	75-113	20			
2-Hexanone	70-130	20	65-118	7			
4-Bromofluorobenzene							86-115
4-Methyl-2-pentanone	70-130	20	67-113	8			
Acetone	70-130	20	76-133	17			
Benzene	70-130	20	92-110	7			
Bromochloromethane	70-130	20	86-107	13			
Bromodichloromethane	70-130	20	83-114	11			
Bromoform	70-130	20	57-117	14			
Bromomethane	70-130	20	83-120	20			
Carbon disulfide	70-130	20	67-124	16			
Carbon tetrachloride	70-130	20	85-125	16			
Chlorobenzene	70-130	20	35-148	7			
Chloroethane	70-130	20	85-121	18			
Chloroform	70-130	20	89-114	10			
Chloromethane	70-130	20	75-111	19			
cis-1,2-Dichloroethene	70-130	20	89-117	13			
cis-1,3-Dichloropropene	70-130	20	79-109	14			
Cyclohexane	70-130	20	84-119	11			
Dibromochloromethane	70-130	20	78-114	11			
Dibromofluoromethane							86-118
Dichlorodifluoromethane	57-136	20	72-127	13			
Ethylbenzene	70-130	20	93-111	14			

110907 1336

Laboratory Control Limits

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: _____ SAS No: _____ SDG NO.: 2507372

METHOD: 8260 **MATRIX:** W

ANALYTE	LCS % REC	LCS RPD	MS % REC	MS RPD	PDS % REC	SD %D	SURR-OGATE % REC
Isopropylbenzene (Cumene)	70-130	20	91-107	12			
Methyl Acetate	56-131	20	81-105	10			
Methyl Cyclohexane	70-130	20	80-118	9			
Methylene chloride	70-130	20	88-113	20			
MTBE	70-130	20	90-111	11			
o-Xylene	70-130	20	90-109	8			
p,m-Xylene	70-130	20	93-111	11			
Styrene	70-130	20	93-111	7			
Tetrachloroethene	70-130	20	88-115	12			
Toluene	70-130	20	89-121	13			
Toluene d8							88-110
trans-1,2-Dichloroethene	70-130	20	85-113	13			
trans-1,3-Dichloropropene	70-130	20	70-108	8			
Trichloroethene	70-130	20	78-119	16			
Trichlorofluoromethane	70-130	20	88-119	20			
Vinyl chloride	70-130	20	78-110	15			
Xylene (total)	70-130	20	90-111	9			

110907 1336

GC FL-PRO ORGANICS

METHOD FL-PRO

110907 1336

CASE NARRATIVE
FLORIDA PETROLEUM RANGE ORGANICS (FL PRO) SEMIVOLATILE ORGANICS

PEL Lab Reference No./SDG: 2507372

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

Florida DEP/FL PRO

IV. PREPARATION

Water samples were prepared by SW846 EPA 3510 for FL PRO semi-volatile analysis.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

All acceptance criteria were met.

C. Surrogates:

All acceptance criteria were met.

D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

A client requested MS/SD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

E. Internal Standards:

This method does not require the use of internal standards.

CASE NARRATIVE
FLORIDA PETROLEUM RANGE ORGANICS (FL PRO) SEMIVOLATILE ORGANICS

PEL Lab Reference No./SDG: 2507372

Client: CH2M Hill

F. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

SIGNED: **DATE: 08/20/2007**

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PEL Lab Reference No./SDG: 2507372

Client: CH2M Hill

MANUAL INTEGRATION SUMMARY

The following analytes were manually integrated by the chemist.

Sample: 317LCS Analyte: C39 Surrogate Reason: Valley-to-Valley (only if required/allowed by method)
Sample: 317LCS Analyte: o-Terphenyl Surrogate Reason: Valley-to-Valley (only if required/allowed by method)
Sample: 317LCS Analyte: TPH Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: 317MB Analyte: C39 Surrogate Reason: Valley-to-Valley (only if required/allowed by method)
Sample: 317MB Analyte: o-Terphenyl Surrogate Reason: Valley-to-Valley (only if required/allowed by method)
Sample: 317MB Analyte: TPH Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: TO05FD02 Analyte: C39 Surrogate Reason: Valley-to-Valley (only if required/allowed by method)
Sample: TO05FD02 Analyte: o-Terphenyl Surrogate Reason: Valley-to-Valley (only if required/allowed by method)
Sample: TO05FD02 Analyte: TPH Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: TO05MW40A Analyte: C39 Surrogate Reason: Valley-to-Valley (only if required/allowed by method)
Sample: TO05MW40A Analyte: o-Terphenyl Surrogate Reason: Valley-to-Valley (only if required/allowed by method)
Sample: TO05MW40A Analyte: TPH Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: TO05MW40AMS Analyte: C39 Surrogate Reason: Valley-to-Valley (only if required/allowed by method)
Sample: TO05MW40AMS Analyte: o-Terphenyl Surrogate Reason: Valley-to-Valley (only if required/allowed by method)
Sample: TO05MW40AMS Analyte: TPH Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: TO05MW40AMSD Analyte: C39 Surrogate Reason: Valley-to-Valley (only if required/allowed by method)
Sample: TO05MW40AMSD Analyte: o-Terphenyl Surrogate Reason: Valley-to-Valley (only if required/allowed by method)
Sample: TO05MW40AMSD Analyte: TPH Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: TO05MW40B Analyte: C39 Surrogate Reason: Valley-to-Valley (only if required/allowed by method)

PEL Lab Reference No./SDG: 2507372

Client: CH2M Hill

Sample: TO05MW40B Analyte: o-Terphenyl Surrogate Reason: Valley-to-Valley (only if required/allowed by method)
Sample: TO05MW40B Analyte: TPH Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV535808 Analyte: C39 Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: CCV535808 Analyte: o-Terphenyl Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: CCV535808 Analyte: TPH Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV535809 Analyte: C39 Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: CCV535809 Analyte: o-Terphenyl Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: CCV535809 Analyte: TPH Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV535810 Analyte: C39 Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: CCV535810 Analyte: o-Terphenyl Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: CCV535810 Analyte: TPH Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC532874 Analyte: C39 Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: SSC532874 Analyte: o-Terphenyl Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: SSC532874 Analyte: TPH Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD532869 Analyte: C39 Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: STD532869 Analyte: o-Terphenyl Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: STD532869 Analyte: TPH Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD532870 Analyte: C39 Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: STD532870 Analyte: o-Terphenyl Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: STD532870 Analyte: TPH Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD532871 Analyte: C39 Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)

CASE NARRATIVE

PEL Lab Reference No./SDG: 2507372

Client: CH2M Hill

Calibration Sample: STD532871 Analyte: o-Terphenyl Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: STD532871 Analyte: TPH Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD532872 Analyte: C39 Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: STD532872 Analyte: o-Terphenyl Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: STD532872 Analyte: TPH Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD532873 Analyte: C39 Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: STD532873 Analyte: o-Terphenyl Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: STD532873 Analyte: TPH Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD532875 Analyte: C39 Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: STD532875 Analyte: o-Terphenyl Surrogate(SURR) Reason: Valley-to-Valley (only if required/allowed by method)
Calibration Sample: STD532875 Analyte: TPH Reason: Baseline integration, needs re-enforced due to interference on target peak

These manual integrations have been reviewed and meet all criteria in accordance with PEL's SOP regarding manual integration.

CHEMIST: **DATE: 08/20/2007**

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CASE NARRATIVE

PEL Lab Reference No./SDG: 2507372

Client: CH2M Hill

SECTION LEADER: **DATE:** **08/20/2007**

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FL-PRO ORGANIC CROSS REFERENCE TABLE

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Method: FL-PRO

EPA Sample No	Lab Sample ID
TO05MW40A	250737201
TO05MW40B	250737204
TO05FD02	250737205

110907 1336

Sample Data

110907 1336

1

FL-PRO ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW40A

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: WATER Lab Sample ID: 250737201 Lab File ID: 372-1.D

Sample wt/vol: 975 Units: ML Date Received: 08/16/07

Concentrated Extract Volume: 2 Date Extracted: 08/17/07

Level:(low/med) LOW Date Analyzed: 08/17/07 Time: 2258

PercentSolids: 0 decanted : (Dilution Factor: 1

Extraction: SEPF Station ID: OLD-OU2-40A Method: FL-PRO

GPC Cleanup : (Y/N) N pH:

Column(1): RTX-5 ID: 0.53 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
5289290-40-0	TPH	190	J

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Form I

1

FL-PRO ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW40B

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: WATER Lab Sample ID: 250737204 Lab File ID: 372-4.D

Sample wt/vol: 935 Units: ML Date Received: 08/16/07

Concentrated Extract Volume: 2 Date Extracted: 08/17/07

Level:(low/med) LOW Date Analyzed: 08/18/07 Time: 0054

PercentSolids: 0 decanted : (Dilution Factor: 1

Extraction: SEPF Station ID: OLD-OU2-40B Method: FL-PRO

GPC Cleanup : (Y/N) N pH:

Column(1): RTX-5 ID: 0.53 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
5289290-40-0	TPH	250	J

110907 1336

Form I

1

FL-PRO ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05FD02

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: WATER Lab Sample ID: 250737205 Lab File ID: 372-5.D

Sample wt/vol: 935 Units: ML Date Received: 08/16/07

Concentrated Extract Volume: 2 Date Extracted: 08/17/07

Level:(low/med) LOW Date Analyzed: 08/18/07 Time: 0122

PercentSolids: 0 decanted : (Dilution Factor: 1

Extraction: SEPF Station ID: Field dupe Method: FL-PRO

GPC Cleanup : (Y/N) N pH:

Column(1): RTX-5 ID: 0.53 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
5289290-40-0	TPH	290	J

110907 1336

Form I

QC Summary

110907 1336

1

FL-PRO ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

317MB

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: WATER Lab Sample ID: 247397 Lab File ID: 317MB.D

Sample wt/vol: 1000 Units: ML Date Received: 08/17/07

Concentrated Extract Volume: 2 Date Extracted: 08/17/07

Level:(low/med) LOW Date Analyzed: 08/17/07 Time: 2103

PercentSolids: 0 decanted : (Dilution Factor: 1

Extraction: SEPF Station ID: Method: FL-PRO

GPC Cleanup : (Y/N) N pH:

Column(1): RTX-5 ID: 0.53 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
5289290-40-0	TPH	340	U

110907 1336

Form I

FL-PRO ORGANIC METHOD BLANK SUMMARY

EPA Sample No.: 317MB

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Lab File ID: 317MB.D Lab Sample ID: 247397

Instrument ID: SFID01 Date Extracted: 08/17/07

Matrix: WATER Date Analyzed: 08/17/07

Level:(low/med) LOW Time Analyzed: 2103

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	317LCS	247398	317LCS.D	08/17/07	2132
2	TO05MW40A	250737201	372-1.D	08/17/07	2258
3	TO05MW40AMS	250737202	372-2MS.D	08/17/07	2327
4	TO05MW40AMSD	250737203	372-3SD.D	08/17/07	2356
5	TO05MW40B	250737204	372-4.D	08/18/07	0054
6	TO05FD02	250737205	372-5.D	08/18/07	0122

COMMENTS:

Page 1 of 1

110907 1336

Form IV

2A

WATER FL-PRO ORGANIC SURROGATE RECOVERY

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG NO.: 2507372

Column(1): RTX-5 ID: 0.53 (mm)

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
317LCS	97.0	93.3					0
317MB	93.0	93.3					0
TO05FD02	103.0	100.0					0
TO05MW40A	108.0	97.4					0
TO05MW40AMS	98.0	91.5					0
TO05MW40AMSD	99.1	95.8					0
TO05MW40B	103.0	100.0					0

Control Limits

S1	=	o-Terphenyl Surrogate	82 -	142
S2	=	C39 Surrogate	42 -	193

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out
Control limit source: (lab/method) METHOD

Form II

110907 1336

FL-PRO ORGANIC ANALYTICAL SEQUENCE

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date: 08/03/07

Instrument ID: SFID01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 8.25 S2 : 13.76

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
1	STD532869	19877	PROCAL6.D	08/03/07	1250	8.25	13.78
2	STD532870	19878	PROCAL5.D	08/03/07	1319	8.25	13.8
3	STD532871	19879	PROCAL4.D	08/03/07	1348	8.25	13.79
4	STD532875	20001	PROCAL3.D	08/03/07	1417	8.25	13.76
5	STD532872	19881	PROCAL2.D	08/03/07	1446	8.25	13.75
6	STD532873	19882	PROCAL1.D	08/03/07	1515	8.25	13.75
7	SSC532874	19883	PROSEC.D	08/03/07	1544	8.25	13.75
8	CCV535808	20228	PROCCV4.D	08/17/07	1907	8.25	13.74
9	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/17/07	1936		
10	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/17/07	2005		
11	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/17/07	2034		
12	317MB	247397	317MB.D	08/17/07	2103	8.25	13.73
13	317LCS	247398	317LCS.D	08/17/07	2132	8.25	13.71
14	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/17/07	2201		
15	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/17/07	2230		
16	TO05MW40A	250737201	372-1.D	08/17/07	2258	8.24	13.72
17	TO05MW40AMS	250737202	372-2MS.D	08/17/07	2327	8.24	13.7
18	TO05MW40AMSD	250737203	372-3SD.D	08/17/07	2356	8.24	13.71
19	CCV535809	20228	PROCCV5.D	08/18/07	0025	8.24	13.71
20	TO05MW40B	250737204	372-4.D	08/18/07	0054	8.25	13.72
21	TO05FD02	250737205	372-5.D	08/18/07	0122	8.24	13.72
22	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/18/07	0151		
23	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/18/07	0220		
24	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/18/07	0249		
25	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/18/07	0317		
26	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/18/07	0346		

			QC LIMITS
S1	=	o-Terphenyl Surrogate	(+/- 0.2 MINUTES)
S2	=	C39 Surrogate	(+/- 0.46 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits

Page 1 of 2

110907 1336 FORM VIII

FL-PRO ORGANIC ANALYTICAL SEQUENCE

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date: 08/03/07

Instrument ID: SFID01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 8.25 S2 : 13.76

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
27	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/18/07	0415		
28	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/18/07	0444		
29	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/18/07	0512		
30	CCV535810	20392	PROCCV6.D	08/18/07	0541	8.25	13.72
31	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/18/07	0610		
32	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/18/07	0639		
33	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/18/07	0707		
34	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/18/07	0736		
35	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/18/07	0805		
36	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/18/07	0834		
37	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/18/07	0902		
38	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/18/07	0931		
39	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/18/07	1000		
40	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/18/07	1029		
41	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/18/07	1057		
42	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/18/07	1126		
43	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/18/07	1155		
44	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/18/07	1224		
45	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/18/07	1252		
46	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/18/07	1321		
47	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/18/07	1350		
48	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/18/07	1419		
49	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/18/07	1448		
50	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/18/07	1516		
51	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/18/07	1545		
52	ZZZZZZ	ZZZZZZ	ZZZZZZ	08/18/07	1614		

			QC LIMITS
S1	=	o-Terphenyl Surrogate	(+/- 0.2 MINUTES)
S2	=	C39 Surrogate	(+/- 0.46 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits

3

FL-PRO ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

317LCS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
TPH	3400	3000	88.2		20.0	55 - 118

Spike Recovery: 0 out of 1 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

110907 1336

Form III

3

FL-PRO ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

TO05MW40AMS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
TPH	3470	190	3300	89.6	41 - 101

Spike Recovery: 0 out of 1 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

110907 1336

3

FL-PRO ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO- TO05MW40AMSD

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
TPH	3780	3600	90.2	8.7	20	41 - 101

RPD: 0 out of 1 outside limits

Spike Recovery: 0 out of 1 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

110907 1336

Standards Data

110907 1336

FL-PRO ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Instrument ID: SFID01 Calibration Date Begin: 08/03/07 End: 08/03/07

GC Column: RTX-5 ID: 0.53 (mm) Calibration Time Begin: 1250 End: 1515

LAB FILE ID: RRF0.17 =PROCAL1.D RRF0.85 =PROCAL2.D
RRF1.7 =PROCAL3.D RRF2.55 =PROCAL4.D RRF5.1 =PROCAL5.D

COMPOUND	RRF0.17	RRF0.85	RRF1.7	RRF2.55	RRF5.1
TPH	33852823.529	29164510.588	28712274.706	28847363.529	27732298.627
==========					
C39 Surrogate(SURR)	25511773.333	25701880	26424493.333	25475200	23545506.667
o-Terphenyl Surrogate(SURR)	34274620	35050140	32830460	31453840	24779040

FL-PRO ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Instrument ID: SFID01 Calibration Date Begin: 08/03/07 End: 08/03/07

GC Column: RTX-5 ID: 0.53 (mm) Calibration Time Begin: 1250 End: 1515

LAB FILE ID: RRF6.8 =PROCAL6.D					
COMPOUND	RRF6.8				
TPH	25729397.941				
==========					
C39 Surrogate(SURR)	24001880				
o-Terphenyl Surrogate(SURR)	26085640				

110907 1336

FORM VI

FL-PRO ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Instrument ID: SFID01 Calibration Date Begin: 08/03/07 End: 08/03/07

GC Column: RTX-5 ID: 0.53 (mm) Calibration Time Begin: 1250 End: 1515

COMPOUND	CURVE	COEFFICIENTS AO	COEFFICIENTS A1	%RSD OR R^2
TPH	AVRG		29006444.8	9.2
==========				
C39 Surrogate(SURR)	AVRG		25110122.2	4.4
o-Terphenyl Surrogate(SURR)	AVRG		30745623.3	14

6

FL-PRO ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Instrument ID: SFID01 Calibration Date Begin: 08/03/07 End: 08/03/07

GC Column: RTX-5 ID: 0.53 (mm) Calibration Time Begin: 1250 End: 1515

Min RRF for SPCC(#) = 0 Max %RSD for CCC(*) = 0 %

LAB FILE ID: RT1: PROCAL1.D RT2: PROCAL2.D
RT3: PROCAL3.D RT4: PROCAL4.D RT5: PROCAL5.D

COMPOUND	RT1	RT2	RT3	RT4	RT5	MIDCAL RT	RT WINDOW FROM	RT WINDOW TO
TPH	7.950	7.950	7.950	7.950	7.950			
==========								
C39 Surrogate(SURR)	13.747	13.750	13.760	13.793	13.803			
o-Terphenyl Surrogate(SURR)	8.253	8.250	8.250	8.250	8.253			

110907 1336

FORM VI

6

FL-PRO ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Instrument ID: SFID01 Calibration Date Begin: 08/03/07 End: 08/03/07

GC Column: RTX-5 ID: 0.53 (mm) Calibration Time Begin: 1250 End: 1515

Min RRF for SPCC(#) = 0 Max %RSD for CCC(*) = 0 %

LAB FILE ID: RT6: PROCAL6.D

COMPOUND	RT6					MIDCAL RT	RT WINDOW FROM	TO
TPH	7.950					7.950	0.900	15.000
==========								
C39 Surrogate(SURR)	13.777					13.760	13.300	14.220
o-Terphenyl Surrogate(SURR)	8.253					8.250	8.050	8.450

110907 1336

FORM VI

7SSC

FL-PRO ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Instrument ID: SFID01 CalibrationDate: 08/03/07 Time: 1544

CCV ID: SSC532874 Lab File ID: PROSEC.D Init. Calib. Date Begin: 08/03/07 End: 08/03/07

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
TPH	29006445	28275670.588	2.5	AVRG
==========				
C39 Surrogate(SURR)	25110122	26911360	7.2	AVRG
o-Terphenyl Surrogate(SURR)	30745623	33231360	8.1	AVRG

110907 1336

FORM VII

7

FL-PRO ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Instrument ID: SFID01 CalibrationDate: 08/17/07 Time: 1907

CCV ID: CCV535808 Lab File ID: PROCCV4.D Init. Calib. Date Begin: 08/03/07 End: 08/03/07

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
TPH	29006445	30206368.824	4.1	AVRG
==========				
C39 Surrogate(SURR)	25110122	27961933.333	11.4	AVRG
o-Terphenyl Surrogate(SURR)	30745623	35687060	16.1	AVRG

110907 1336

FORM VII

7

FL-PRO ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Instrument ID: SFID01 CalibrationDate: 08/18/07 Time: 0025

CCV ID: CCV535809 Lab File ID: PROCCV5.D Init. Calib. Date Begin: 08/03/07 End: 08/03/07

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
TPH	29006445	27788558.235	4.2	AVRG
==========				
C39 Surrogate(SURR)	25110122	20862933.333	16.9	AVRG
o-Terphenyl Surrogate(SURR)	30745623	26782060	12.9	AVRG

110907 1336

FORM VII

FL-PRO ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Instrument ID: SFID01 CalibrationDate: 08/18/07 Time: 0541

CCV ID: CCV535810 Lab File ID: PROCCV6.D Init. Calib. Date Begin: 08/03/07 End: 08/03/07

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
TPH	29006445	28054093.529	3.3	AVRG
==========				
C39 Surrogate(SURR)	25110122	20653973.333	17.7	AVRG
o-Terphenyl Surrogate(SURR)	30745623	26864940	12.6	AVRG

110907 1336

FORM VII

Laboratory Control Limits

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: _____ SAS No: _____ SDG NO.: 2507372

METHOD: FL-PRO **MATRIX:** W

ANALYTE	LCS % REC	LCS RPD	MS % REC	MS RPD	PDS % REC	SD %D	SURR-OGATE % REC
C39 Surrogate							42-193
o-Terphenyl Surrogate							82-142
TPH	55-118	20	41-101	20			

110907 1336

Inorganics

110907 1336

Inorganic Data Qualifiers

C (Concentration) Qualifier - Entries and their meanings are:

J The reported value obtained was less than the RL but greater than or equal to the MDL.

E The reported value obtained was over calibration or linear range.

U The reported value obtained was less than the MDL or was not detected.

Q Qualifier - Entries and their meanings are:

U The reported value is estimated because of interference. An explanatory comment must be included under "Comments" on the Cover Page if the problem applies to all samples in this data package or on the individual FORM 1 if it is an isolated problem.

M Duplicate injection precision was not met (two analyses of the same sample did not agree).

N Spiked sample recovery not within control limits.

E Serial Dilution percent difference not within control limits.

S The reported value was determined by the Method of Standard Additions (MSA).

W Post-digestion spike for Furnace AA analysis is out of control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.

***** Duplicate analysis not within control limits.

+ Correlation coefficient for the MSA is less than 0.995.

X The data is flagged as rejected by analyst utilizing analytical judgement.

Entering "S", "W", or "+" is mutually exclusive. No combination of these qualifiers can apear in the same field.

M (Method) Qualifier - Enter one of the following:

P ICP
A Flame AA
F Furnace AA
CV Manual Cold Vapor AA
TC Total Organic Carbon
AS Semi-Automated Spectrophotometric
CA Midi-Distillation Spectrophotometric
T Titrimetric
C Manual Spectrophotometric
GR Gravimetric
NR Analyte was not required by your lab

110907 1336

Inorganic Sample ID Qualifiers

The qualifiers that may be appended to the lab sample ID and/or the client sample ID for inorganic analysis are defined below:

DL Diluted reanalysis. Indicates that the results of the original analysis of the sample contained compounds that exceeded the calibration range. The sample was diluted and reanalyzed. May be followed by a digit to indicate multiple dilutions of the sample. The results of more than one diluted reanalysis may be reported.

R Reanalysis. The extract was reanalyzed without re-extraction. The "R" is not used if the sample was also re-extracted. May be followed by a digit to indicate multiple reanalysis of the sample at the same dilution.

RE Re-extracted. The extract was reanalyzed with re-extraction. May be followed by a digit to indicate multiple re-extraction of the same sample at the same dilution.

MS Matrix spike (may be followed by a digit to indicate multiple matrix within a sample set).

SD Matrix spike duplicate (may be followed by a digit to indicate multiple matrix spike duplicate within a sample set).

A Post Digestion Spike.

L Serial Dilution.

110907 1336

METALS DATA PACKAGE
TOTALS

110907 1336

CASE NARRATIVE
METALS

PEL Lab Reference No./SDG: 2507372

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHOD

Analyses were performed according to PEL Laboratory's Standard Operating Procedures and EPA Method 6010B for ICP metals.

IV. PREPARATION

Water samples were prepared according to PEL Laboratory's Standard Operating Procedures and EPA Method 3010A.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met.

2. Method Blanks:

All acceptance criteria were met.

C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

2. Post Digestion Spike:

All acceptance criteria were met.

CASE NARRATIVE
METALS

PEL Lab Reference No./SDG: 2507372

Client: CH2M Hill

3. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

A client requested MS/SD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

D. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)

E. Serial Dilution:

All acceptance criteria were met.

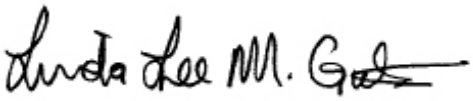
F. ICP Interference Check Samples:

All acceptance criteria were met.

G. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.



SIGNED: **DATE: 08/22/2007**

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SDG No.: 2507372

SOW No.:

EPA Sample No	Lab Sample ID
TO05MW40A	250737201
TO05MW40B	250737204
TO05FD02	250737205

Were ICP interelement corrections applied?	Yes/No	Yes
Were ICP background corrections applied?	Yes/No	Yes
If yes - were raw data generated before application of background corrections?	Yes/No	No

Comments:

110907 1337

Sample Data

110907 1337

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1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW40A

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: WATER Lab Sample ID: 250737201

Level:(low/med) LOW Date Received: 8/16/2007

PercentSolids: 0 Station ID: OLD-OU2-40A

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M
7440-23-5	Sodium	9750			P

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW40B

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: WATER Lab Sample ID: 250737204

Level:(low/med) LOW Date Received: 8/16/2007

PercentSolids: 0 Station ID: OLD-OU2-40B

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M
7440-23-5	Sodium	7410			P

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05FD02

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: WATER Lab Sample ID: 250737205

Level:(low/med) LOW Date Received: 8/16/2007

PercentSolids: 0 Station ID: Field dupe

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M
7440-23-5	Sodium	7840			P

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

110907 1337

QC Summary

110907 1337

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Initial Calibration Source: 20352

Continuing Calibration Source: 20348

Concentration Units: (UG/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Sodium	40000	38900.000	97.2	25000	24200.000	96.8	24800.000	99.2	P

ICV IDs: P= ICV536377

CCV1 IDs: P= CCV536382

CCV2 IDs: P= CCV536394

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Initial Calibration Source:

Continuing Calibration Source: 20348

Concentration Units: (UG/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Sodium				25000	24400.000	97.6	24500.000	98.0	P

ICV IDs:

CCV1 IDs: P= CCV536407

CCV2 IDs: P= CCV536408

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Initial Calibration Source:

Continuing Calibration Source: 20348

Concentration Units: (UG/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Sodium				25000	24200.000	96.8	24400.000	97.6	P

ICV IDs:

CCV1 IDs: P= CCV536421

CCV2 IDs: P= CCV536422

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Initial Calibration Source:

Continuing Calibration Source: 20348

Concentration Units: (UG/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Sodium				25000	24500.000	98.0	24800.000	99.2	P

ICV IDs:

CCV1 IDs: P= CCV536435

CCV2 IDs: P= CCV536436

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Initial Calibration Source:

Continuing Calibration Source: 20348

Concentration Units: (UG/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Sodium				25000	24600.000	98.4	24800.000	99.2	P

ICV IDs:

CCV1 IDs: P= CCV536449

CCV2 IDs: P= CCV536450

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Initial Calibration Source:

Continuing Calibration Source: 20348

Concentration Units: (UG/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Sodium				25000	25600.000	102.4	25700.000	102.8	P

ICV IDs:

CCV1 IDs: P= CCV536463

CCV2 IDs: P= CCV536464

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

110907 1337

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3

BLANKS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Preparation Blank Matrix (water/soil): WATER

Preparation Blank Concentration Units (ug/L or mg/Kg): UG/L

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Sodium	540	U	540	U	540	U	540	U	540	U	P

ICB IDs: P= ICB536378

CCB1 IDs: P= CCB536383

CCB2 IDs: P= CCB536395

CCB3 IDs: P= CCB536396

110907 1337

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3

BLANKS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Preparation Blank Matrix (water/soil):

Preparation Blank Concentration Units (ug/L or mg/Kg):

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Sodium			540	U	540	U	540	U			P

ICB IDs:

CCB1 IDs: P= CCB536409

CCB2 IDs: P= CCB536410

CCB3 IDs: P= CCB536423

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3

BLANKS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Preparation Blank Matrix (water/soil):

Preparation Blank Concentration Units (ug/L or mg/Kg):

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Sodium			540	U	540	U	540	U			P

ICB IDs:

CCB1 IDs: P= CCB536424

CCB2 IDs: P= CCB536437

CCB3 IDs: P= CCB536438

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3

BLANKS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Preparation Blank Matrix (water/soil):

Preparation Blank Concentration Units (ug/L or mg/Kg):

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Sodium			540	U	540	U	540	U			P

ICB IDs:

CCB1 IDs: P= CCB536451

CCB2 IDs: P= CCB536452

CCB3 IDs: P= CCB536465

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4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

ICP ID#: ICAP2 ICSA Source: 19579

ICSAB Source: 19580

Concentration Units: UG/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Sodium	0	0	-55.787					

ICSA: ICS536380

ICSAB: ICS536381

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5A

SPIKE SAMPLE RECOVERY

EPA Sample No.

TO05MW40AMS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0

Concentration Units (mg/L or mg/kg): UG/L

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Sodium	75 - 125	63400		9750		50000	107.3		P

Comments:

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5A

SPIKE SAMPLE RECOVERY

EPA Sample No.

TO05MW40AMSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0

Concentration Units (mg/L or mg/kg): UG/L

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Sodium	75 - 125	63900		9750		50000	108.3		P

Comments:

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5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA Sample No.

TO05MW40AA

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: Water Level:(low/med) LOW

Concentration Units (ug/L or mg/kg): ug/L

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Sodium	80 - 120	59500.00		9751.85		50000	99.5		P

Comments:

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6

DUPLICATES

EPA Sample No.

247421LCSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0 % Solids for Duplicate: 0

Concentration Units (mg/L or mg/kg): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Sodium	20	50100		49700		0.8		P

Comments:

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6

DUPLICATES

EPA Sample No.

TO05MW40AMSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0 % Solids for Duplicate: 0

Concentration Units (mg/L or mg/kg): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Sodium	20	63400		63900		0.8		P

Comments:

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7

LABORATORY CONTROL SAMPLE

EPA Sample No.

247420LCS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Solid LCS Source:

Aqueous LCS Source: 19433, 18965

	Aqueous (UG/L)			Solid				
Analyte	True	Found	%R	True	Found	C	Limits	%R
Sodium	50000	50100	100.2				-	

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7

LABORATORY CONTROL SAMPLE

EPA Sample No.

247421LCSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Solid LCS Source:

Aqueous LCS Source: 19433, 18965

	Aqueous (UG/L)			Solid				
Analyte	True	Found	%R	True	Found	C	Limits	%R
Sodium	50000	49700	99.4				-	

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9

SERIAL DILUTIONS

EPA Sample No.

TO05MW40AL

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Matrix: Water Level:(low/med) LOW

Concentration Units (ug/L or mg/kg): ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ-ence	Q	M
Sodium	9751.85		8820.00		9.6		P

Comments:

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10

METHOD DETECTION LIMITS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

ICP ID Number : ICAP2

Furnace AA ID Number :

Analyte	Wave-length (nm)	Raw MDL (UG/L)	CRDL (UG/L)	MDL (UG/L)	Verification Date	M
Sodium	589.592	180	540	180	7/13/2007	P

Comments:

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12

ICP LINEAR RANGES (SEMI-ANNUALLY)

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

ICP ID NUMBER : ICAP2 DATE : 11/3/2006

Analyte	Integ. Time (sec.)	Concentration UG/L	M
Sodium	1	250000	P

Comments:

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13

PREPARATION LOG

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Method : 6010

EPA Sample No:	Preparation Date	Weight (gram)	Volume (mL)
247419BLK	17 Aug 07		50
247420LCS	17 Aug 07		50
247421LCSD	17 Aug 07		50
TO05FD02	17 Aug 07		50
TO05MW40A	17 Aug 07		50
TO05MW40AMS	17 Aug 07		50
TO05MW40AMSD	17 Aug 07		50
TO05MW40B	17 Aug 07		50

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14

ANALYSIS RUN LOG

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Instrument ID Number : ICAP2 Method : P

Start Date : 8/21/2007 End Date : 8/21/2007

EPA Sample No.	D/F	Time	%R	Analytes																									
				AG	AL	AS	BA	BE	CA	CD	CN	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TI	TL	V	ZN
CAL01	1	15:01																				X									
CAL02	1	15:05																				X									
CAL03	1	15:09																				X									
CAL04	1	15:14																				X									
CAL05	1	15:18																				X									
CAL06	1	15:22																				X									
ICV536377	1	15:29																				X									
ICB536378	1	15:33																				X									
ZZZZZZ	1	15:37																													
ICSA	1	15:42																				X									
ICSAB	1	15:59																				X									
CCV536382	1	16:04																				X									
CCB536383	1	16:08																				X									
ZZZZZZ	1	16:12																													
ZZZZZZ	1	16:17																													
ZZZZZZ	1	16:21																													
ZZZZZZ	1	16:26																													
ZZZZZZ	1	16:30																													
ZZZZZZ	1	16:34																													
ZZZZZZ	5	16:37																													
ZZZZZZ	1	16:41																													
ZZZZZZ	1	16:45																													
ZZZZZZ	1	16:49																													
CCV536394	1	16:53																				X									
CCB536395	1	16:57																				X									
CCB536396	1	17:00																				X									
ZZZZZZ	1	17:04																													
ZZZZZZ	1	17:08																													
ZZZZZZ	1	17:13																													
ZZZZZZ	1	17:17																													
ZZZZZZ	1	17:21																													
ZZZZZZ	1	17:25																													
ZZZZZZ	1	17:29																													
ZZZZZZ	1	17:34																													
ZZZZZZ	1	17:37																													
ZZZZZZ	1	17:41																													

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14

ANALYSIS RUN LOG

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Instrument ID Number : ICAP2 Method : P

Start Date : 8/21/2007 End Date : 8/21/2007

EPA Sample No.	D/F	Time	%R	Analytes																									
				AG	AL	AS	BA	BE	CA	CD	CN	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TI	TL	V	ZN
CCV536407	1	17:46																				X										
CCV536408	1	17:48																				X										
CCB536409	1	17:52																				X										
CCB536410	1	17:55																				X										
ZZZZZZ	1	17:59																														
ZZZZZZ	1	18:03																														
ZZZZZZ	5	18:07																														
ZZZZZZ	1	18:12																														
ZZZZZZ	1	18:15																														
ZZZZZZ	1	18:20																														
ZZZZZZ	1	18:24																														
ZZZZZZ	1	18:28																														
ZZZZZZ	1	18:32																														
ZZZZZZ	1	18:36																														
CCV536421	1	18:41																				X										
CCV536422	1	18:43																				X										
CCB536423	1	18:47																				X										
CCB536424	1	18:50																				X										
ZZZZZZ	1	18:54																														
ZZZZZZ	1	18:58																														
ZZZZZZ	1	19:02																														
ZZZZZZ	1	19:07																														
ZZZZZZ	1	19:11																														
ZZZZZZ	1	19:16																														
ZZZZZZ	1	19:21																														
ZZZZZZ	5	19:25																														
ZZZZZZ	1	19:29																														
ZZZZZZ	1	19:33																														
CCV536435	1	19:37																				X										
CCV536436	1	19:40																				X										
CCB536437	1	19:44																				X										
CCB536438	1	19:47																				X										
ZZZZZZ	1	19:51																														
247419BLK	1	19:55																				X										
247420LCS	1	19:59																				X										
247421LCSD	1	20:03																				X										

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14

ANALYSIS RUN LOG

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: SAS No: SDG No.: 2507372

Instrument ID Number : ICAP2 Method : P

Start Date : 8/21/2007 End Date : 8/21/2007

EPA Sample No.	D/F	Time	%R	Analytes																									
				AG	AL	AS	BA	BE	CA	CD	CN	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TI	TL	V	ZN
TO05MW40A	1	20:07																				X									
TO05MW40AL	5	20:11																				X									
TO05MW40AMS	1	20:16																				X									
TO05MW40AMSD	1	20:20																				X									
TO05MW40AA	1	20:24																				X									
TO05MW40B	1	20:28																				X									
CCV536449	1	20:32																				X									
CCV536450	1	20:35																				X									
CCB536451	1	20:39																				X									
CCB536452	1	20:42																				X									
TO05FD02	1	20:46																				X									
ZZZZZZ	1	20:50																													
ZZZZZZ	5	20:54																													
ZZZZZZ	1	20:59																													
ZZZZZZ	1	21:03																													
ZZZZZZ	1	21:07																													
ZZZZZZ	1	21:11																													
ZZZZZZ	1	21:16																													
ZZZZZZ	1	21:20																													
ZZZZZZ	1	21:24																													
CCV536463	1	21:29																				X									
CCV536464	1	21:31																				X									
CCB536465	1	21:35																				X									

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Laboratory Control Limits

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No.: _____ SAS No: _____ SDG NO.: 2507372

METHOD: 6010 **MATRIX:** W

ANALYTE	LCS % REC	LCS RPD	MS % REC	MS RPD	PDS % REC	SD %D	SURR-OGATE % REC
Sodium	80-120	20	75-125	20	80-120	10	

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Outside Lab

110907 1337

156 Starlite Drive, Marietta, OH 45750 • TEL 740-373-4071 • FAX 740-373-4835 • http://www.kemron.com

Laboratory Report Number: L0708491

Please find enclosed the analytical results for the samples you submitted to KEMRON Environmental Services.

Review and compilation of your report was completed by KEMRON's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact your team member noted in the reviewed box bleow at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

Debra Elliott - Team Leader
delliott@kemron-lab.com

Kathy Albertson - Team Chemist/Data Specialist
kalbertson@kemron-lab.com

Stephanie Mossburg - Team Chemist/Data Specialist
smossburg@kemron-lab.com

Brenda Gregory - Client Services Specialist
bgregory@kemron-lab.com

Jacqueline Parsons - Team Assistant
jparsons@kemron-lab.com

Amanda Fickiesen - Client Services Specialist
afickiesen@kemron-lab.com

Annie Bock - Client Services Specialist
abock@kemron-lab.com

Katie Barnes - Team Assistant
kbarnes@kemron-lab.com

Cara Strickler - Team Assistant
cstrickler@kemron-lab.com

This report was reviewed on August 31, 2007.

Annie Bock

ANNIE BOCK - Client Services Specialist

I certify that all test results meet all of the requirements of the DoD QSM Version 3 and other applicable contract terms and conditions. Any exceptions are attached to this cover page or addressed in the method narratives presented in this report. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on a 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of KEMRON Environmental Services.

This report was certified on August 31, 2007.

David E. Vandenberg

David Vandenberg - Vice President

FL DOH NELAP ID: E8755
This report contains a total of 143 pages.

Protecting Our Environmental Future

KEMRON REPORT L0708491
PREPARED FOR PEL Laboratories
WORK ID:

1.0 Introduction 3
2.1 General Chemistry Data 5
2.1.1 Alkalinity Data 7
2.1.1.1 Summary Data 8
2.1.1.2 QC Summary Data 15
2.1.1.3 Raw Data 21
2.1.2 Total Dissolved Solids Data 27
2.1.2.1 Summary Data 28
2.1.2.2 QC Summary Data 33
2.1.2.3 Raw Data 40
2.1.3 Total Organic Carbon Data 43
2.1.3.1 Summary Data 44
2.1.3.2 QC Summary Data 53
2.1.3.3 Raw Data 70
3.0 Attachments 133

1.0 Introduction

KEMRON ENVIRONMENTAL SERVICES
REPORT NARRATIVE

KEMRON Login No.: L0708491

CHAIN OF CUSTODY: The chain of custody number was N/A.

SHIPMENT CONDITIONS: The chain of custody forms were received sealed in a cooler. The cooler temperature was 0 degrees C.

SAMPLE MANAGEMENT: All samples received were intact. TOC samples were preserved with HCL, reporting limits will be elevated due to dilutions. We would prefer TOC samples be preserved with H2SO4 to avoid these dilutions.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Approved: 22-AUG-07
Annie Bock

2.1 General Chemistry Data

KEMRON ENVIRONMENTAL SERVICES
GENERAL CHEMISTRY

KEMRON Login No.: L0708491

METHOD

Analysis: See report for method reference.

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Matrix Spikes: The MS/MSD recoveries exceeded the advisory limits for TOC due to the spike being diluted out.

SAMPLES

Total Organic Carbon

The samples were received preserved with hydrochloric acid. Chloride is an interference with this TOC method and instrumentation. The samples were diluted ten fold to reduce the chloride interference. The reporting limits are elevated accordingly.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: DIH

Approved: 21-AUG-07
Dianna Hesson

2.1.1 Alkalinity Data

2.1.1.1 Summary Data

LABORATORY REPORT

L0708491

08/27/07 08:27

Submitted By

KEMRON Environmental Services
156 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: PEL Laboratories
4420 Pendola Point Road

Tampa, FL 33619
Attention: Darcy Weisman

Account Number: 2921
Work ID: CH2M/NTC ORLANDO OU-2

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
TO05MW40A/2507372-01	L0708491-01	310.2	1	17-AUG-07
TO05MW40B/2507372-04	L0708491-04	310.2	1	17-AUG-07
TO05FD02/2507372-05	L0708491-05	310.2	1	17-AUG-07
TO05IW2A/2507372-06	L0708491-06	310.2	1	17-AUG-07
TO05IW2B/2507372-07	L0708491-07	310.2	1	17-AUG-07

KEMRON ENVIRONMENTAL SERVICES

Report Number: **L0708491**
Report Date : **August 27, 2007**

Sample Number: **L0708491-01**
Client ID: **TO05MW40A/2507372-01**
Matrix: **Water**
Workgroup Number: **WG248273**
Collect Date: **08/15/2007 13:40**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **310.2**
Analytical Method: **310.2**
Analyst: **DIH**
Dilution: **1**
Units: **mg/L**

Instrument: **SMARTCHEM**
Prep Date: **08/21/2007 11:29**
Cal Date: **08/21/2007 11:26**
Run Date: **08/21/2007 11:29**
File ID: **SC070821001.014**

Analyte	CAS. Number	Result	Qual	RL	MDL
Alkalinity, Total		**14.2**		**10.0**	**5.00**

Report Number: **L0708491**
Report Date : **August 27, 2007**

Sample Number: **L0708491-04**
Client ID: **TO05MW40B/2507372-04**
Matrix: **Water**
Workgroup Number: **WG248273**
Collect Date: **08/15/2007 14:15**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **310.2**
Analytical Method: **310.2**
Analyst: **DIH**
Dilution: **1**
Units: **mg/L**

Instrument: **SMARTCHEM**
Prep Date: **08/21/2007 11:30**
Cal Date: **08/21/2007 11:26**
Run Date: **08/21/2007 11:30**
File ID: **SC070821001.015**

Analyte	CAS. Number	Result	Qual	RL	MDL
Alkalinity, Total		**24.9**		**10.0**	**5.00**

Report Number: **L0708491**
Report Date : **August 27, 2007**

Sample Number: **L0708491-05**
Client ID: **TO05FD02/2507372-05**
Matrix: **Water**
Workgroup Number: **WG248273**
Collect Date: **08/15/2007 00:01**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **310.2**
Analytical Method: **310.2**
Analyst: **DIH**
Dilution: **1**
Units: **mg/L**

Instrument: **SMARTCHEM**
Prep Date: **08/21/2007 11:31**
Cal Date: **08/21/2007 11:26**
Run Date: **08/21/2007 11:31**
File ID: **SC070821001.016**

Analyte	CAS. Number	Result	Qual	RL	MDL
Alkalinity, Total		**25.5**		**10.0**	**5.00**

Report Number: **L0708491**
Report Date : **August 27, 2007**

Sample Number: **L0708491-06**
Client ID: **TO05IW2A/2507372-06**
Matrix: **Water**
Workgroup Number: **WG248273**
Collect Date: **08/15/2007 16:32**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **310.2**
Analytical Method: **310.2**
Analyst: **DIH**
Dilution: **1**
Units: **mg/L**

Instrument: **SMARTCHEM**
Prep Date: **08/21/2007 11:31**
Cal Date: **08/21/2007 11:26**
Run Date: **08/21/2007 11:31**
File ID: **SC070821001.017**

Analyte	CAS. Number	Result	Qual	RL	MDL
Alkalinity, Total		**269**		**10.0**	**5.00**

Report Number: **L0708491**
Report Date : **August 27, 2007**

Sample Number: **L0708491-07**
Client ID: **TO05IW2B/2507372-07**
Matrix: **Water**
Workgroup Number: **WG248273**
Collect Date: **08/15/2007 16:30**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **310.2**
Analytical Method: **310.2**
Analyst: **DIH**
Dilution: **1**
Units: **mg/L**

Instrument: **SMARTCHEM**
Prep Date: **08/21/2007 11:32**
Cal Date: **08/21/2007 11:26**
Run Date: **08/21/2007 11:32**
File ID: **SC070821001.018**

Analyte	CAS. Number	Result	Qual	RL	MDL
Alkalinity, Total		**266**		**10.0**	**5.00**

2.1.1.2 QC Summary Data

Example Alkalinity (Colormetric) Calculations

(absorbance - intercept)/(slope * dilution) = mg/L

where:

absorbance = reading from the spectrophotometer
intercept = calculated from calibration standard absorbencies
slope = calculated from calibration standard absorbencies
dilution = dilution of the distillate in decimal form (ex. 1/5 dilution = 0.2)

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method: 310.2 AAB#: WG248273

Login Number: L0708491

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
TO05MW40A/2507372-01	08/15/07	08/17/07	08/21/07	14	5.91	08/21/07	14	5.91	
TO05MW40B/2507372-04	08/15/07	08/17/07	08/21/07	14	5.89	08/21/07	14	5.89	
TO05FD02/2507372-05	08/15/07	08/17/07	08/21/07	14	6.48	08/21/07	14	6.48	
TO05IW2A/2507372-06	08/15/07	08/17/07	08/21/07	14	5.79	08/21/07	14	5.79	
TO05IW2B/2507372-07	08/15/07	08/17/07	08/21/07	14	5.79	08/21/07	14	5.79	

* EXT = SEE PROJECT QAPP REQUIREMENTS
*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON FORMS - Modified 11/20/2006
Version 1.5 PDF File ID: 855971
Report generated 08/22/2007 13:20

KEMRON Environmental Services

METHOD BLANK SUMMARY

Login Number: L0708491
Blank File ID: SC070821001.010
Prep Date: 08/21/07 11:27
Analyzed Date: 08/21/07 11:27
Analyst: DIH

Work Group: WG248273
Blank Sample ID: WG248273-01
Instrument ID: SMARTCHEM
Method: 310.2

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG248273-02	SC070821001.011	08/21/07 11:27	01
LCS2	WG248273-03	SC070821001.012	08/21/07 11:28	01
TO05MW40A/2507372-01	L0708491-01	SC070821001.014	08/21/07 11:29	01
TO05MW40B/2507372-04	L0708491-04	SC070821001.015	08/21/07 11:30	01
TO05FD02/2507372-05	L0708491-05	SC070821001.016	08/21/07 11:31	01
TO05IW2A/2507372-06	L0708491-06	SC070821001.017	08/21/07 11:31	01
TO05IW2B/2507372-07	L0708491-07	SC070821001.018	08/21/07 11:32	01
DUP	WG248273-05	SC070821001.033	08/21/07 11:41	01

KEMRON FORMS - Modified 01/31/2007
Version 1.5 PDF File ID: 855972
Report generated 08/22/2007 13:20

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0708491 Prep Date: 08/21/07 11:27 Sample ID: WG248273-01
Instrument ID: SMARTCHEM Run Date: 08/21/07 11:27 Prep Method: 310.2
File ID: SC070821001.010 Analyst: DIH Method: 310.2
Workgroup (AAB#): WG248273 Matrix: Water Units: mg/L
Contract #: Cal ID: SMARTC-21-AUG-07

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, Total	5.00	10.0	5.00	1	U

MDL Method Detection Limit
RL Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* Analyte concentration > 1/2 RL

KEMRON FORMS - Modified 12/07/2006
Version 1.5 PDF File ID: 855973
Report generated 08/22/2007 13:20

KEMRON Environmental Services

LABORATORY CONTROL SAMPLE (LCS)

Login Number: L0708491 Analyst: DIH Prep Method: 310.2
Instrument ID: SMARTCHEM Matrix: Water Method: 310.2
Workgroup (AAB#): WG248273 Units: mg/L
Sample ID: WG248273-02 LCS File ID: SC070821001.011 Run Date: 08/21/2007 11:27
Sample ID: WG248273-03 LCS2 File ID: SC070821001.012 Run Date: 08/21/2007 11:28

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Alkalinity, Total	200	186	93.0	200	181	90.7	2.42	85 - 115	25	

KEMRON FORMS - Modified 02/08/2007
Version 1.5 PDF File ID: 855974
Report generated 08/22/2007 13:20

2.1.1.3 Raw Data

Kemron ENVIRONMENTAL SERVICES

WORKGROUP: WG248273

SMARTCHEM RUN LOG

Daily Check

- [x] Lamp On
- [x] Probe Rinse Full
- [x] DI Water > ½ Full
- [x] Wash Solution > ½ Full
- [ ] NO3 Reagent bottle connected / purged
- [ ] NO3 pH adj to pH 5-9
- [x] WBL Run
- [x] Reagents Full
- [x] Dilution H_2O Full
- [x] Waste Container Check

1) **Workgroup** _____
   Plan # 20070821001
2) **Workgroup** _____
   Plan # _____
3) **Workgroup** _____
   Plan # _____

	Analyte	1	2	3
		ALK		
User Prepared Curve				
SC Prepared Curve				
Position				
1-1	ICV250			
1-2	BLK			
1-3	LCS200			
1-4	LCSDUP			
1-5	08-3778-477-01			
1-6	08-491-01			
1-7	04			
1-8	05			
1-9	06			
1-10	07			
1-11	08-492-02	1/4		color
1-12	03	↓		↓
1-13	05			
1-14	06			
1-15	08			
1-16	09			
1-17	08-497-01			
1-18	02			
1-19	03			
1-20	04			
1-21	DUP ↓			
1-22				
2-1				
2-2				
2-3				

Position	Analyte	1	2	3
2-4				
2-5				
2-6				
2-7				
2-8				
2-9				
2-10				
2-11				
2-12				
2-13				
2-14				
2-15				
2-16				
2-17				
2-18				
2-19				
2-20				
2-21				
2-22				
2-23				
2-24				
2-25				
2-26				
3-1				
3-2				

NOTES:
* Run NO2 std on NO3 runs
* LCS/LCS Dup all parameters
* MS/MSD (NO3, TKN, NH3)

DCN#70653

Kemron
ENVIRONMENTAL SERVICES

WORKGROUP: WG248273

SMARTCHEM RUN LOG

Analyte		1	2	3
Position				
3-3				
3-4				
3-5				
3-6				
3-7				
3-8				
3-9				
3-10				
3-11				
3-12				
3-13				
3-14				
3-15				

Analyte		1	2	3
Position				
3-16				
3-17				
3-18				
3-19				
3-20				
3-21				
3-22				
3-23				
3-24				
3-25				
3-26				
3-27				
3-28				

☐ Chloride EPA 325.2/SM 4500-Cl⁻ E
☐ Sulfate EPA 375.4
☑ Alkalinity EPA 310.2
☐ Nitrate-Nitrite EPA 353.2/SM 4500-NO3 F
☐ Ammonia EPA 350.1/SM 4500-NH3 B
☐ TKN EPA 351.2
☐ Phos EPA 365.4

Analyte	AlK		
SOP & Revision	K3102		
Curve Stock (SC made)	std 20568		
Curve ID (user made)			
ICV	std 21046		
CCV	std 21352		
LCS	std 21047		
MS	Dilution N/A		

Comments:

Analyst: Deanna Hosa Date: 8/21/07

DCN#70653

KEMRON ENVIRONMENTAL

SMARTCHEM REPORT

UNITS: MG/L

Method : WALK - EPA 310.2 Alkalinity

Smp#/[Dil Fact]	Sample ID	Conc	OD	%Recovery/RPD	Flag	Analysis Time
DIL-1	RBL	0.00	0.5388	0.00		11:20:05 AM
DIL-1	RBL	0.00	0.5390	0.00		11:20:23 AM
DIL-1	RBL	0.00	0.5317	0.00		11:21:35 AM
DIL-1	Std-1	0.00	-0.0053	0.00		11:21:53 AM
SR5-1	Std-2	10.00	-0.0155	0.00		11:22:47 AM
SR5-2	Std-3	20.00	-0.0217	0.00		11:23:05 AM
SR5-3	Std-4	50.00	-0.0712	0.00		11:23:59 AM
SR5-4	Std-5	100.00	-0.1278	0.00		11:24:17 AM
SR5-5	Std-6	200.00	-0.2713	0.00		11:25:11 AM
SR5-6	Std-7	250.00	-0.3353	0.00		11:25:29 AM
SR5-7	Std-8	300.00	-0.3791	0.00		11:26:24 AM
1	ICV 250	236.60	-0.3111	0.00		11:26:41 AM
2	WG248273-01 BLANK	-2.57	0.0047	0.00	INV,><,LL	11:27:35 AM
3	WG248273-02 LCS	185.94	-0.2485	0.00		11:27:53 AM
4	WG248273-03 LCSDUP	181.49	-0.2429	0.00		11:28:47 AM
5	L0708477-01	58.95	-0.0819	0.00		11:29:05 AM
6	L0708491-01	14.24	-0.0194	0.00		11:29:59 AM
7	L0708491-04	24.90	-0.0345	0.00		11:30:17 AM
8	L0708491-05	25.53	-0.0354	0.00		11:31:11 AM
9	L0708491-06	268.98	-0.3501	0.00		11:31:29 AM
10	L0708491-07	266.21	-0.3468	0.00		11:32:24 AM
ST-2	CCV1 (200 mg/L)	196.01	-0.2611	98.01		11:32:41 AM
ST-3	CCB (0 mg/L)	-2.64	0.0048	0.00	INV,><,LL	11:33:36 AM
11	L0708492-02 (4)	208.57	-0.2767	0.00		11:33:54 AM
12	L0708492-03 (4)	92.43	-0.1273	0.00		11:34:48 AM
13	L0708492-05 (4)	152.47	-0.2060	0.00		11:35:06 AM
14	L0708492-06 (4)	101.34	-0.1392	0.00		11:36:00 AM
15	L0708492-08 (4)	185.71	-0.2482	0.00		11:36:18 AM
16	L0708492-09 (4)	103.07	-0.1415	0.00		11:37:12 AM
17	L0708497-01	43.03	-0.0599	0.00		11:37:30 AM
18	L0708497-02	90.11	-0.1242	0.00		11:38:24 AM
19	L0708497-03	33.29	-0.0463	0.00		11:38:42 AM

Report Date :08/21/2007 **Run Date :8/21/2007** **Operator : WESTCO** **Plan # :20070821001**

Plan Description : ALK-A-DIH/8/21/2007

KEMRON ENVIRONMENTAL

SMARTCHEM REPORT

UNITS: MG/L

Method : WALK - EPA 310.2 Alkalinity

Smp#/[Dil Fact]	Sample ID	Conc	OD	%Recovery/RPD	Flag	Analysis Time
20	L0708497-04	14.38	-0.0196	0.00		11:39:36 AM
ST-2	CCV1 (200 mg/L)	205.02	-0.2723	102.51		11:39:54 AM
ST-3	CCB (0 mg/L)	0.06	0.0009	0.00	INV,><	11:40:48 AM
21	WG248273-05	13.75	-0.0187	0.00		11:41:06 AM
22	ID 22	-0.98	0.0024	0.00	INV,><,LL	11:42:00 AM
ST-2	CCV1 (200 mg/L)	201.71	-0.2682	100.86		11:42:18 AM
ST-3	CCB (0 mg/L)	-0.84	0.0022	0.00	INV,><,LL	11:43:12 AM
23	Add-L0708512-02	16.00	-0.0219	0.00		11:43:30 AM
24	Add-L0708512-03	15.72	-0.0215	0.00		11:44:24 AM
ST-2	Add-CCV1 (200 mg/L)	201.71	-0.2682	100.86		11:44:42 AM
ST-3	Add-CCB (0 mg/L)	-2.50	0.0046	0.00	INV,><,LL	11:45:36 AM

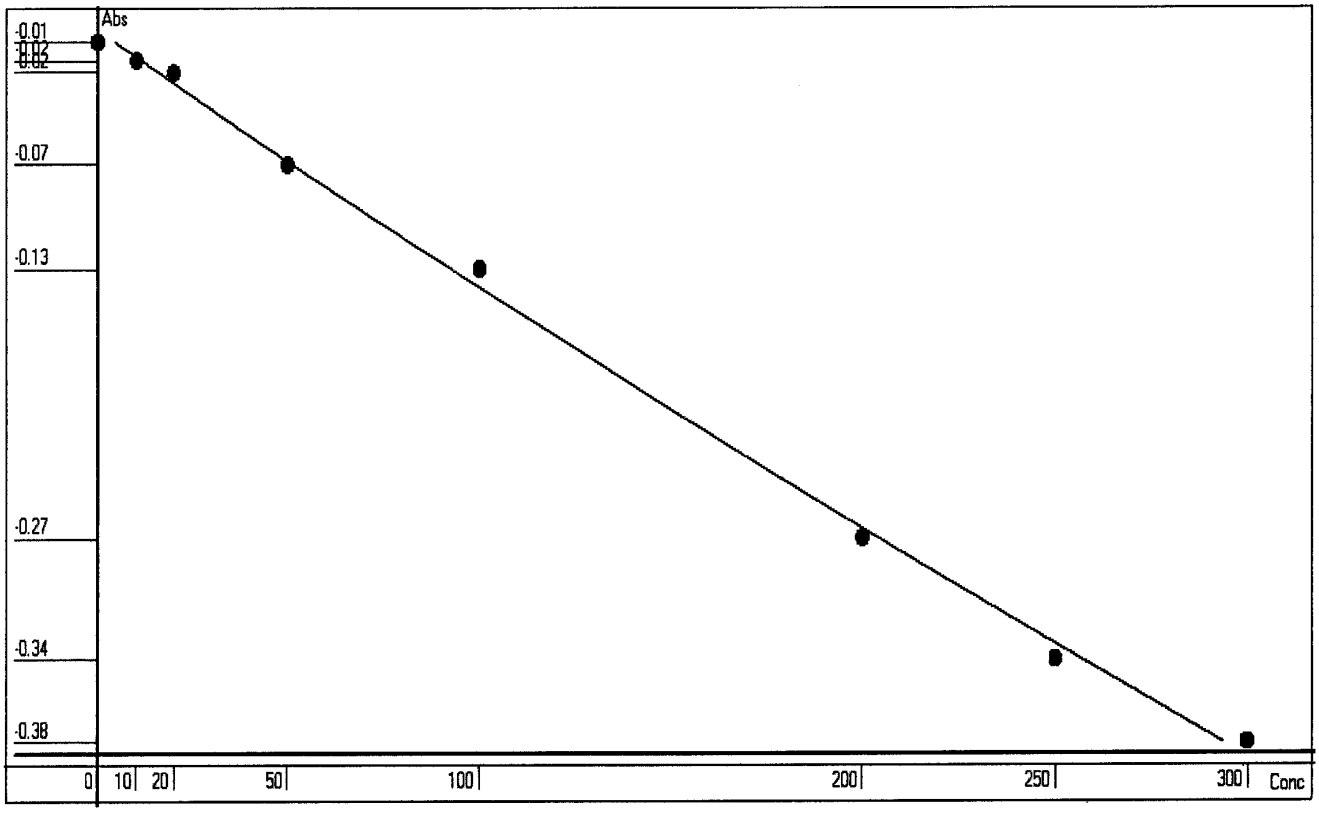
Report Date :08/21/2007 **Run Date :8/21/2007** **Operator : WESTCO** **Plan # :20070821001**

Plan Description : ALK-A-DIH/8/21/2007

Calibrant Report - WALK -

Calib Lot #:010104 Exp Date:1/1/2010 User:KEMRON

Plan # : 20070821001 Description : [ALK-A-DIH/8/21/2007]



Point	OD	Conc	Recalc Conc	% Error
1	-0.0053	0	4.3758	437.58
2	-0.0155	10	11.5038	15.04
3	-0.0217	20	15.8573	-20.71
4	-0.0712	50	51.1805	2.36
5	-0.1278	100	92.8012	-7.20
6	-0.2713	200	204.2091	2.10
7	-0.3353	250	256.6183	2.65
8	-0.3791	300	293.4536	-2.18

Conc= +204.9696*Abso^2 -694.5585*Abso +0.6889 R^2=0.9980

RBL
0.5389
0

Report Date 8/21/2007 Run Date 8/21/2007

2.1.2 Total Dissolved Solids Data

2.1.2.1 Summary Data

LABORATORY REPORT

L0708491

08/27/07 08:27

Submitted By

KEMRON Environmental Services
156 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: PEL Laboratories
4420 Pendola Point Road

Tampa, FL 33619
Attention: Darcy Weisman

Account Number: 2921
Work ID: CH2M/NTC ORLANDO OU-2

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
TO05MW40A/2507372-01	L0708491-01	160.1	1	17-AUG-07
TO05MW40B/2507372-04	L0708491-04	160.1	1	17-AUG-07
TO05FD02/2507372-05	L0708491-05	160.1	1	17-AUG-07

KEMRON ENVIRONMENTAL SERVICES

Report Number: **L0708491**
Report Date : **August 27, 2007**

Sample Number: **L0708491-01**
Client ID: **TO05MW40A/2507372-01**
Matrix: **Water**
Workgroup Number: **WG248206**
Collect Date: **08/15/2007 13:40**

PrePrep Method: **NONE**
Prep Method: **160.1**
Analytical Method: **160.1**
Analyst: **TMM**
Dilution: **1**
Units: **mg/L**

Instrument: **OVEN**
Prep Date: **08/20/2007 14:50**
Cal Date:
Run Date: **08/20/2007 14:50**
File ID: **EN.0708201450-05**

Analyte	CAS. Number	Result	Qual	RL	MDL
Total Dissolved Solids		**86.0**		**20.0**	**10.0**

Report Number: **L0708491**
Report Date : **August 27, 2007**

Sample Number: **L0708491-04**
Client ID: **TO05MW40B/2507372-04**
Matrix: **Water**
Workgroup Number: **WG248206**
Collect Date: **08/15/2007 14:15**

PrePrep Method: **NONE**
Prep Method: **160.1**
Analytical Method: **160.1**
Analyst: **TMM**
Dilution: **1**
Units: **mg/L**

Instrument: **OVEN**
Prep Date: **08/20/2007 14:50**
Cal Date:
Run Date: **08/20/2007 14:50**
File ID: **EN.0708201450-06**

Analyte	CAS. Number	Result	Qual	RL	MDL
Total Dissolved Solids		**116**		**20.0**	**10.0**

Report Number: **L0708491**
Report Date : **August 27, 2007**

Sample Number: **L0708491-05**
Client ID: **TO05FD02/2507372-05**
Matrix: **Water**
Workgroup Number: **WG248206**
Collect Date: **08/15/2007 00:01**

PrePrep Method: **NONE**
Prep Method: **160.1**
Analytical Method: **160.1**
Analyst: **TMM**
Dilution: **1**
Units: **mg/L**

Instrument: **OVEN**
Prep Date: **08/20/2007 14:50**
Cal Date:
Run Date: **08/20/2007 14:50**
File ID: **EN.0708201450-04**

Analyte	CAS. Number	Result	Qual	RL	MDL
Total Dissolved Solids		**90.0**		**20.0**	**10.0**

2.1.2.2 QC Summary Data

Example Total Dissolved Solids Calculations

[(WT2 - WT1) * 1000000]/volume = mg/L

where:

WT1 = weight (grams) of empty container.
WT2 = weight (grams) of dried sample and container.
1000000 = factor to get to mg/L.
volume = mL of sample used.

KEMRON Environmental Services
Data Checklist

Date: 20-AUG-2007
Analyst: TMM
Analyst: HJR
Method: TDS
Instrument: OVEN
Curve Workgroup: NA
Runlog ID:
Analytical Workgroups: WG248206

Calibration/Linearity	8/20/07
Second Source Check	
ICV/CCV (std)	
ICB/CCB	
Blank	X
LCS/LCS Dup	X
MS/MSD	X
Duplicate	X
Upload Results	X
Client Forms	X
QC Violation Sheet	
Case Narratives	X
Signed Raw Data	X
STD/LCS on benchsheet	X
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	HJR
Secondary Reviewer	DIH
Comments	

Primary Reviewer:
24-AUG-2007

Secondary Reviewer:
30-AUG-2007

Generated: AUG-30-2007 15:00:33

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method: 160.1 AAB#: WG248206

Login Number: L0708491

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
TO05MW40B/2507372-04	08/15/07	08/17/07	08/20/07	7	5.02	08/20/07	7	5.02	
TO05MW40A/2507372-01	08/15/07	08/17/07	08/20/07	7	5.05	08/20/07	7	5.05	
TO05FD02/2507372-05	08/15/07	08/17/07	08/20/07	7	5.62	08/20/07	7	5.62	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON FORMS - Modified 11/20/2006
Version 1.5 PDF File ID: 858693
Report generated 08/30/2007 09:10

KEMRON Environmental Services

METHOD BLANK SUMMARY

Login Number: L0708491
Blank File ID: EN.0708201450-01
Prep Date: 08/20/07 14:50
Analyzed Date: 08/20/07 14:50
Analyst: TMM

Work Group: WG248206
Blank Sample ID: WG248206-01
Instrument ID: OVEN
Method: 160.1

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG248206-02	EN.0708201450-02	08/20/07 14:50	
LCS2	WG248206-03	EN.0708201450-03	08/20/07 14:50	
TO05FD02/2507372-05	L0708491-05	EN.0708201450-04	08/20/07 14:50	
TO05MW40A/2507372-01	L0708491-01	EN.0708201450-05	08/20/07 14:50	
TO05MW40B/2507372-04	L0708491-04	EN.0708201450-06	08/20/07 14:50	
DUP	WG248206-05	EN.0708201450-11	08/20/07 14:50	

KEMRON FORMS - Modified 01/31/2007
Version 1.5 PDF File ID: 858694
Report generated 08/30/2007 09:10

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0708491 Prep Date: 08/20/07 14:50 Sample ID: WG248206-01
Instrument ID: OVEN Run Date: 08/20/07 14:50 Prep Method: 160.1
File ID: EN.0708201450-01 Analyst: TMM Method: 160.1
Workgroup (AAB#): WG248206 Matrix: Water Units: mg/L
Contract #: Cal ID: OVEN -

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Total Dissolved Solids	5.00	10.0	5.00	1	U

MDL Method Detection Limit
RL Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* Analyte concentration > 1/2 RL

KEMRON FORMS - Modified 12/07/2006
Version 1.5 PDF File ID: 858695
Report generated 08/30/2007 09:10

KEMRON Environmental Services

LABORATORY CONTROL SAMPLE (LCS)

Login Number: L0708491 Analyst: TMM Prep Method: 160.1
Instrument ID: OVEN Matrix: Water Method: 160.1
Workgroup (AAB#): WG248206 Units: mg/L
Sample ID: WG248206-02 LCS File ID: EN.0708201450-02 Run Date: 08/20/2007 14:50
Sample ID: WG248206-03 LCS2 File ID: EN.0708201450-03 Run Date: 08/20/2007 14:50

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Total Dissolved Solids	500	502	100	500	520	104	3.52	80 - 120	25	

KEMRON FORMS - Modified 02/08/2007
Version 1.5 PDF File ID: 858696
Report generated 08/30/2007 09:10

2.1.2.3 Raw Data

WORKGROUP: WG248206

KEMRON ENVIRONMENTAL SERVICES

TOTAL DISSOLVED SOLIDS

SOP K1601 Revision #: 10
☑ EPA 160.1/ SM2540C
☐ Other: _____
LCS: Std 19758
Daily Dilution: 5(5000)/50 = 500

Workgroup #: _____
Balance: AND GR-202 / Other
Matrix Spike: Std 19758
Daily Dilution: 5(5000)/50 = 500

SAMPLE	#	VOLUME (mL)	INITIAL WEIGHT WT1 (g)	DRY WEIGHT WT2A (g)	DRY WEIGHT WT2B (g)	DRY WEIGHT WT2C (g)
BLANK	W9	100	75.8346	75.8350	75.8349	
LCS: 500 mg/L	P5	50	75.5323	75.5575	75.5574	
LCSDUP: 500 mg/L	B7		64.5854	64.6114	64.6114	
08-491-05	5		51.5423	51.5470	51.5468	
01	P9		58.8549	58.8591	58.8592	
04	20		53.9190	53.9249	53.9248	
08-477-01	P7	100	75.5760	75.6167	75.6166	
08-482-01R	P3	50	75.2624	75.3672	75.3671	
03ms	K4		82.1536	82.2694	82.2693	
05msD	K1		73.9863	74.1020	74.1019	
DUP: 08-477-01	W6	100	75.6610	75.7013	75.7011	

ANALYST: Tammy Morris

DATE/TIME: (on) 8/20/07 @ 1450
DATE/TIME: (off) 8/21/07 1305
DATE/TIME: (off) 8/21/07 1435
DATE/TIME: (off)

DCN#70635

Donna Hesson
Approved: August 30, 2007

KEMRON ENVIRONMENTAL SERVICES
GRAVIMETRIC REPORT

Workgroup (AAB#): WG248206
Product: 160.1
Analyte: TOTAL DISSOLVED SOLIDS

Analyst: TMM
Run Date: 08/20/2007 14:50

SAMPLE NUMBER	INITIAL VOL	INITIAL WT	FINAL WT	Anal. Conc	Rep. Conc.	Units
WG248206-01	100	75.8346	75.8349	3.000	3.000	mg/L
WG248206-02	50	75.5323	75.5574	502.0	502.0	mg/L
WG248206-03	50	64.5854	64.6114	520.0	520.0	mg/L
L0708491-05	50	51.5423	51.5468	90.00	90.00	mg/L
L0708491-01	50	58.8549	58.8592	86.00	86.00	mg/L
L0708491-04	50	53.919	53.9248	116.0	116.0	mg/L
L0708477-01	100	75.576	75.6166	406.0	406.0	mg/L
WG248206-04	100	75.576	75.6166	406.0	406.0	mg/L
L0708482-01	50	75.2624	75.3671	2094	2094	mg/L
WG248206-06	50	75.2624	75.3671	2094	2094	mg/L
L0708482-03	50	82.1536	82.2693	2314	2314	mg/L
WG248206-07	50	82.1536	82.2693	2314	2314	mg/L
L0708482-05	50	73.9863	74.1019	2312	2312	mg/L
WG248206-08	50	73.9863	74.1019	2312	2312	mg/L
WG248206-05	100	75.661	75.7011	401.0	401.0	mg/L

KEMRON FORMS - Modified 02/26/2007
Version 1.3
Report generated 08/24/2007 10:17

Approved: August 30, 2007

2.1.3 Total Organic Carbon Data

2.1.3.1 Summary Data

LABORATORY REPORT

L0708491

08/27/07 08:27

Submitted By

KEMRON Environmental Services
156 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: PEL Laboratories
4420 Pendola Point Road

Tampa, FL 33619
Attention: Darcy Weisman

Account Number: 2921
Work ID: CH2M/NTC ORLANDO OU-2

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
TO05MW40A/2507372-01	L0708491-01	415.1	10	17-AUG-07
TO05MW40AMS/2507372-02	L0708491-02	415.1	10	17-AUG-07
TO05MW40AMSD/2507372-03	L0708491-03	415.1	10	17-AUG-07
TO05MW40B/2507372-04	L0708491-04	415.1	10	17-AUG-07
TO05FD02/2507372-05	L0708491-05	415.1	10	17-AUG-07
TO05IW2A/2507372-06	L0708491-06	415.1	50	17-AUG-07
TO05IW2B/2507372-07	L0708491-07	415.1	50	17-AUG-07

Report Number: **L0708491**
Report Date : **August 27, 2007**

Sample Number: **L0708491-01**
Client ID: **TO05MW40A/2507372-01**
Matrix: **Water**
Workgroup Number: **WG248155**
Collect Date: **08/15/2007 13:40**
Sample Tag: **DL01**

PrePrep Method: **NONE**
Prep Method: **415.1**
Analytical Method: **415.1**
Analyst: **DIH**
Dilution: **10**
Units: **mg/L**

Instrument: **TOC-VWP**
Prep Date: **08/20/2007 19:50**
Cal Date: **02/26/2007 11:40**
Run Date: **08/20/2007 19:50**
File ID: **TC08-20-2007.30**

Analyte	CAS. Number	Result	Qual	RL	MDL
Total Organic Carbon			U	10.0	5.00

U Undetected; the analyte was analyzed for, but not detected.

Report Number: **L0708491**
Report Date : **August 27, 2007**

Sample Number: **L0708491-02**
Client ID: **TO05MW40AMS/2507372-02**
Matrix: **Water**
Workgroup Number: **WG248155**
Collect Date: **08/15/2007 13:40**
Sample Tag: **DL01**

PrePrep Method: **NONE**
Prep Method: **415.1**
Analytical Method: **415.1**
Analyst: **DIH**
Dilution: **10**
Units: **mg/L**

Instrument: **TOC-VWP**
Prep Date: **08/20/2007 20:19**
Cal Date: **02/26/2007 11:40**
Run Date: **08/20/2007 20:19**
File ID: **TC08-20-2007.32**

Analyte	CAS. Number	Result	Qual	RL	MDL
Total Organic Carbon		21.7		10.0	5.00

Report Number: **L0708491**
Report Date : **August 27, 2007**

Sample Number: **L0708491-03**
Client ID: **TO05MW40AMSD/2507372-03**
Matrix: **Water**
Workgroup Number: **WG248155**
Collect Date: **08/15/2007 13:40**
Sample Tag: **DL01**

PrePrep Method: **NONE**
Prep Method: **415.1**
Analytical Method: **415.1**
Analyst: **DIH**
Dilution: **10**
Units: **mg/L**

Instrument: **TOC-VWP**
Prep Date: **08/20/2007 20:33**
Cal Date: **02/26/2007 11:40**
Run Date: **08/20/2007 20:33**
File ID: **TC08-20-2007.33**

Analyte	CAS. Number	Result	Qual	RL	MDL
Total Organic Carbon		23.6		10.0	5.00

Report Number: **L0708491**
Report Date : **August 27, 2007**

Sample Number: **L0708491-04**
Client ID: **TO05MW40B/2507372-04**
Matrix: **Water**
Workgroup Number: **WG248156**
Collect Date: **08/15/2007 14:15**
Sample Tag: **DL01**

PrePrep Method: **NONE**
Prep Method: **415.1**
Analytical Method: **415.1**
Analyst: **DIH**
Dilution: **10**
Units: **mg/L**

Instrument: **TOC-VWP**
Prep Date: **08/20/2007 21:27**
Cal Date: **02/26/2007 11:40**
Run Date: **08/20/2007 21:27**
File ID: **TC08-20-2007.37**

Analyte	CAS. Number	Result	Qual	RL	MDL
Total Organic Carbon			U	10.0	5.00

U Undetected; the analyte was analyzed for, but not detected.

Report Number: **L0708491**
Report Date : **August 27, 2007**

Sample Number: **L0708491-05**
Client ID: **TO05FD02/2507372-05**
Matrix: **Water**
Workgroup Number: **WG248156**
Collect Date: **08/15/2007 00:01**
Sample Tag: **DL01**

PrePrep Method: **NONE**
Prep Method: **415.1**
Analytical Method: **415.1**
Analyst: **DIH**
Dilution: **10**
Units: **mg/L**

Instrument: **TOC-VWP**
Prep Date: **08/20/2007 21:41**
Cal Date: **02/26/2007 11:40**
Run Date: **08/20/2007 21:41**
File ID: **TC08-20-2007.38**

Analyte	CAS. Number	Result	Qual	RL	MDL
Total Organic Carbon			U	10.0	5.00

U Undetected; the analyte was analyzed for, but not detected.

Report Number: **L0708491**
Report Date : **August 27, 2007**

Sample Number: **L0708491-06**
Client ID: **TO05IW2A/2507372-06**
Matrix: **Water**
Workgroup Number: **WG248258**
Collect Date: **08/15/2007 16:32**
Sample Tag: **DL01**

PrePrep Method: **NONE**
Prep Method: **415.1**
Analytical Method: **415.1**
Analyst: **DIH**
Dilution: **50**
Units: **mg/L**

Instrument: **TOC-VWP**
Prep Date: **08/21/2007 11:24**
Cal Date: **02/26/2007 11:40**
Run Date: **08/21/2007 11:24**
File ID: **TC08-21-2007.07**

Analyte	CAS. Number	Result	Qual	RL	MDL
Total Organic Carbon		2360		50.0	25.0

Report Number: **L0708491**
Report Date : **August 27, 2007**

Sample Number: **L0708491-07**
Client ID: **TO05IW2B/2507372-07**
Matrix: **Water**
Workgroup Number: **WG248258**
Collect Date: **08/15/2007 16:30**
Sample Tag: **DL01**

PrePrep Method: **NONE**
Prep Method: **415.1**
Analytical Method: **415.1**
Analyst: **DIH**
Dilution: **50**
Units: **mg/L**

Instrument: **TOC-VWP**
Prep Date: **08/21/2007 11:39**
Cal Date: **02/26/2007 11:40**
Run Date: **08/21/2007 11:39**
File ID: **TC08-21-2007.08**

Analyte	CAS. Number	Result	Qual	RL	MDL
Total Organic Carbon		1440		50.0	25.0

2.1.3.2 QC Summary Data

Total Organic Carbon Example Calculations
(Direct Readout Parameter)

(Readout)/(dilution) = mg/L

where:

Readout = direct readout from the instrument
dilution = dilution in decimal form (ex. 1/5 dilution = 0.2)

KEMRON Environmental Services
Data Checklist

Date: 20-AUG-2007
Analyst: DIH
Analyst: NA
Method: TOC
Instrument: TOC
Curve Workgroup: NA
Runlog ID:
Analytical Workgroups: WG248155 WG248156

Calibration/Linearity	2/26/2007
Second Source Check	X
ICV/CCV (std)	X
ICB/CCB	X
Blank	X
LCS/LCS Dup	X
MS/MSD	X
Duplicate	X
Upload Results	X
Client Forms	X
QC Violation Sheet	X
Case Narratives	X
Signed Raw Data	X
STD/LCS on benchsheet	X
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	DIH
Secondary Reviewer	
Comments	

Primary Reviewer: 21-AUG-2007
Secondary Reviewer:

Generated: AUG-21-2007 16:44:33

KEMRON Environmental Services
Data Checklist

Date: 21-AUG-2007
Analyst: DIH
Analyst: NA
Method: TOC
Instrument: TOC
Curve Workgroup: NA
Runlog ID:
Analytical Workgroups: WG248258

Calibration/Linearity	2/26/2007
Second Source Check	X
ICV/CCV (std)	X
ICB/CCB	X
Blank	X
LCS/LCS Dup	X
MS/MSD	X
Duplicate	X
Upload Results	X
Client Forms	X
QC Violation Sheet	X
Case Narratives	X
Signed Raw Data	X
STD/LCS on benchsheet	X
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	DIH
Secondary Reviewer	
Comments	

Primary Reviewer: 21-AUG-2007
Secondary Reviewer:

Generated: AUG-21-2007 16:45:05

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method: 415.1 AAB#: WG248156

Login Number: L0708491

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
TO05FD02/2507372-05	08/15/07	08/17/07	08/20/07	28	5.90	08/20/07	28	5.90	
TO05MW40B/2507372-04	08/15/07	08/17/07	08/20/07	28	5.30	08/20/07	28	5.30	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON FORMS - Modified 11/20/2006
Version 1.5 PDF File ID: 854786
Report generated 08/21/2007 16:35

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method: 415.1 AAB#: WG248155

Login Number: L0708491

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
TO05MW40AMS/2507372-02	08/15/07	08/17/07	08/20/07	28	5.28	08/20/07	28	5.28	
TO05MW40AMSD/2507372-03	08/15/07	08/17/07	08/20/07	28	5.29	08/20/07	28	5.29	
TO05MW40A/2507372-01	08/15/07	08/17/07	08/20/07	28	5.26	08/20/07	28	5.26	

* EXT = SEE PROJECT QAPP REQUIREMENTS
*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON FORMS - Modified 11/20/2006
Version 1.5 PDF File ID: 854786
Report generated 08/21/2007 16:35

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method: 415.1 AAB#: WG248258

Login Number: L0708491

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
TO05IW2A/2507372-06	08/15/07	08/17/07	08/21/07	28	5.79	08/21/07	28	5.79	
TO05IW2B/2507372-07	08/15/07	08/17/07	08/21/07	28	5.80	08/21/07	28	5.80	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON FORMS - Modified 11/20/2006
Version 1.5 PDF File ID: 854786
Report generated 08/21/2007 16:35

KEMRON Environmental Services

METHOD BLANK SUMMARY

Login Number: L0708491
Blank File ID: TC08-20-2007.04
Prep Date: 08/20/07 13:08
Analyzed Date: 08/20/07 13:08
Analyst: DIH

Work Group: WG248155
Blank Sample ID: WG248155-01
Instrument ID: TOC-VWP
Method: 415.1

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG248155-02	TC08-20-2007.05	08/20/07 13:35	01
LCS2	WG248155-03	TC08-20-2007.06	08/20/07 13:50	01
TO05MW40A/2507372-01	L0708491-01	TC08-20-2007.30	08/20/07 19:50	DL01
DUP	WG248155-05	TC08-20-2007.31	08/20/07 20:04	DL01
TO05MW40AMS/2507372-02	L0708491-02	TC08-20-2007.32	08/20/07 20:19	DL01
TO05MW40AMSD/2507372-03	L0708491-03	TC08-20-2007.33	08/20/07 20:33	DL01

KEMRON FORMS - Modified 01/31/2007
Version 1.5 PDF File ID: 854787
Report generated 08/21/2007 16:35

KEMRON Environmental Services

METHOD BLANK SUMMARY

Login Number: L0708491
Blank File ID: TC08-20-2007.34
Prep Date: 08/20/07 20:43
Analyzed Date: 08/20/07 20:43
Analyst: DIH

Work Group: WG248156
Blank Sample ID: WG248156-01
Instrument ID: TOC-VWP
Method: 415.1

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG248156-02	TC08-20-2007.35	08/20/07 20:58	01
LCS2	WG248156-03	TC08-20-2007.36	08/20/07 21:13	01
TO05MW40B/2507372-04	L0708491-04	TC08-20-2007.37	08/20/07 21:27	DL01
TO05FD02/2507372-05	L0708491-05	TC08-20-2007.38	08/20/07 21:41	DL01
DUP	WG248156-05	TC08-20-2007.50	08/21/07 00:44	DL01

KEMRON FORMS - Modified 01/31/2007
Version 1.5 PDF File ID: 854787
Report generated 08/21/2007 16:35

KEMRON Environmental Services

METHOD BLANK SUMMARY

Login Number: L0708491
Blank File ID: TC08-21-2007.04
Prep Date: 08/21/07 10:18
Analyzed Date: 08/21/07 10:18
Analyst: DIH

Work Group: WG248258
Blank Sample ID: WG248258-01
Instrument ID: TOC-VWP
Method: 415.1

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG248258-02	TC08-21-2007.05	08/21/07 10:32	01
LCS2	WG248258-03	TC08-21-2007.06	08/21/07 10:46	01
TO05IW2A/2507372-06	L0708491-06	TC08-21-2007.07	08/21/07 11:24	DL01
TO05IW2B/2507372-07	L0708491-07	TC08-21-2007.08	08/21/07 11:39	DL01
DUP	WG248258-05	TC08-21-2007.11	08/21/07 12:25	DL01

KEMRON FORMS - Modified 01/31/2007
Version 1.5 PDF File ID: 854787
Report generated 08/21/2007 16:35

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0708491 Prep Date: 08/20/07 13:08 Sample ID: WG248155-01
Instrument ID: TOC-VWP Run Date: 08/20/07 13:08 Prep Method: 415.1
File ID: TC08-20-2007.04 Analyst: DIH Method: 415.1
Workgroup (AAB#): WG248155 Matrix: Water Units: mg/L
Contract #: Cal ID: TOC-VW-26-FEB-07

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Total Organic Carbon	0.500	1.00	0.526	1	*

MDL Method Detection Limit
RL Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* Analyte concentration > 1/2 RL

KEMRON FORMS - Modified 12/07/2006
Version 1.5 PDF File ID: 854788
Report generated 08/21/2007 16:35

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0708491 Prep Date: 08/20/07 20:43 Sample ID: WG248156-01
Instrument ID: TOC-VWP Run Date: 08/20/07 20:43 Prep Method: 415.1
File ID: TC08-20-2007.34 Analyst: DIH Method: 415.1
Workgroup (AAB#): WG248156 Matrix: Water Units: mg/L
Contract #: Cal ID: TOC-VW-26-FEB-07

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Total Organic Carbon	0.500	1.00	0.500	1	U

MDL Method Detection Limit
RL Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* Analyte concentration > 1/2 RL

KEMRON FORMS - Modified 12/07/2006
Version 1.5 PDF File ID: 854788
Report generated 08/21/2007 16:35

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0708491 Prep Date: 08/21/07 10:18 Sample ID: WG248258-01
Instrument ID: TOC-VWP Run Date: 08/21/07 10:18 Prep Method: 415.1
File ID: TC08-21-2007.04 Analyst: DIH Method: 415.1
Workgroup (AAB#): WG248258 Matrix: Water Units: mg/L
Contract #: Cal ID: TOC-VW-26-FEB-07

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Total Organic Carbon	0.500	1.00	0.512	1	*

MDL Method Detection Limit
RL Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* Analyte concentration > 1/2 RL

KEMRON FORMS - Modified 12/07/2006
Version 1.5 PDF File ID: 854788
Report generated 08/21/2007 16:35

KEMRON Environmental Services

LABORATORY CONTROL SAMPLE (LCS)

Login Number: L0708491 Analyst: DIH Prep Method: 415.1
Instrument ID: TOC-VWP Matrix: Water Method: 415.1
Workgroup (AAB#): WG248258 Units: mg/L
Sample ID: WG248258-02 LCS File ID: TC08-21-2007.05 Run Date: 08/21/2007 10:32
Sample ID: WG248258-03 LCS2 File ID: TC08-21-2007.06 Run Date: 08/21/2007 10:46

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Total Organic Carbon	25.0	22.8	91.0	25.0	22.5	89.8	1.33	85 - 115	15	

KEMRON FORMS - Modified 02/08/2007
Version 1.5 PDF File ID: 854789
Report generated 08/21/2007 16:35

KEMRON Environmental Services

LABORATORY CONTROL SAMPLE (LCS)

Login Number: L0708491 Analyst: DIH Prep Method: 415.1
Instrument ID: TOC-VWP Matrix: Water Method: 415.1
Workgroup (AAB#): WG248156 Units: mg/L
Sample ID: WG248156-02 LCS File ID: TC08-20-2007.35 Run Date: 08/20/2007 20:58
Sample ID: WG248156-03 LCS2 File ID: TC08-20-2007.36 Run Date: 08/20/2007 21:13

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Total Organic Carbon	25.0	22.8	91.3	25.0	23.1	92.2	1.00	85 - 115	15	

KEMRON FORMS - Modified 02/08/2007
Version 1.5 PDF File ID: 854789
Report generated 08/21/2007 16:35

KEMRON Environmental Services

LABORATORY CONTROL SAMPLE (LCS)

Login Number: L0708491 Analyst: DIH Prep Method: 415.1
Instrument ID: TOC-VWP Matrix: Water Method: 415.1
Workgroup (AAB#): WG248155 Units: mg/L
Sample ID: WG248155-02 LCS File ID: TC08-20-2007.05 Run Date: 08/20/2007 13:35
Sample ID: WG248155-03 LCS2 File ID: TC08-20-2007.06 Run Date: 08/20/2007 13:50

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Total Organic Carbon	25.0	23.6	94.3	25.0	23.0	92.0	2.45	85 - 115	15	

KEMRON FORMS - Modified 02/08/2007
Version 1.5 PDF File ID: 854789
Report generated 08/21/2007 16:35

KEMRON Environmental Services

MS/MSD REPORT

Loginnum: L0708491 Cal ID: TOC-VWP-26-FEB-07 Worknum: WG248155
Instrument ID: TOC-VWP Contract #: Prep Method: 415.1
Parent ID: L0708491-01 File ID: TC08-20-2007.30 Dil: 10 Method: 415.1
Sample ID: L0708491-02 MS File ID: TC08-20-2007.32 Dil: 10 Matrix: Water
Sample ID: L0708491-03 MSD File ID: TC08-20-2007.33 Dil: 10 Units: mg/L

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Total Organic Carbon	U	10.0	21.7	217	10.0	23.6	236	8.12	85 - 115	15	*

* FAILS %REC LIMIT

\# FAILS RPD LIMIT

KEMRON FORMS - Modified 02/08/2007
Version 1.5 PDF File ID: 854790
Report generated 08/21/2007 16:35

2.1.3.3 Raw Data

TC/TIC
Curves

KEMRON
ENVIRONMENTAL SERVICES

Total Organic Carbon

MAKE DAILY

CCV (TOC): _____
$\left(\frac{10}{200}(1000) = 50\ mg/L\right)$ $\left(\frac{2}{200}(1000) = 10\ mg/L\right)$

CCV (TIC): _____
$\left(\frac{5}{200}(1000) = 25\ mg/L\right)$

See below

LCS (TOC): _____
$\left(\frac{5}{200}(1000) = 25\ mg/L\right)$

MS (TOC): _____

Calibration Curve Date: _____

☑ EPA 415.1 TOC / TOC-4 / TOC-D / TOCLOW
☐ SW846 9060 TOC-14 / TOC-44

SOP: K 4151 Rev. 11
Instrument: Shimadza TOC-VWP/ASI

DAILY CHECK

☑ drain reservoir filled
☑ ASI water bottle full
☑ dilution water bottle full

☑ 3rd bottle full
☑ sufficient gas
☑ sufficient persulfate

☑ sufficient acid
☑ waste container

Position	Sample ID	Dilution
1	TC Curve	
2	TIC curve	
3	TC ICV	
4	TIC ICV	
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

Position	Sample ID	Dilution
26	curve std	
27	TC: STD 17869	
28	TIC: STD 16475	
29		
30		
31	ICV:	
32	TC STD 16885	
33	TIC STD 17080	
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		

Position	Sample ID	Dilution
51		
52	from SOP	
53	" "	"
54		
55		
56		
57	5/200(1000)=25	
58	↓	↓
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
71		
72		
73		
74		
75		

Analyst: Deanna Roberts Date: 2/26/07 Time: _____

DCN#68372

Deanna Roberts
Approved: March 19, 2007

Instr.Information

System	TOCVW ASI
Detector	Wet Chemical

Cal. Curve

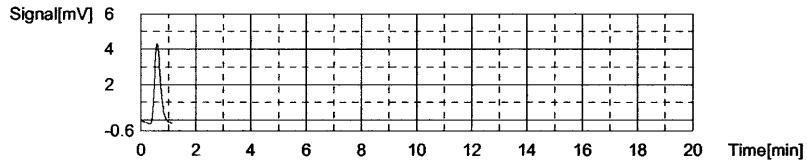
Sample Name:	TC CURVE
Sample ID:	Untitled
Cal. Curve:	TCCURVE-02-26-2007.2007_02_26_10_12_35.cal
Status	Completed

Type	Anal.
Standard	TC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	6.664	500uL	1	*******		02/26/2007 10:16:35 AM

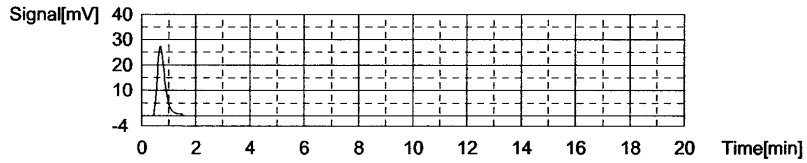
Acid Add. 0.000%
Mean Area 6.664



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	53.24	500uL	1	*******		02/26/2007 10:23:07 AM

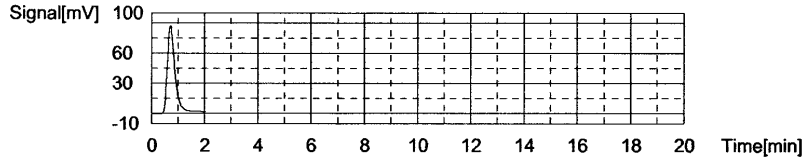
Acid Add. 0.000%
Mean Area 53.24



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	175.0	500uL	1	*******		02/26/2007 10:30:22 AM

Acid Add. 0.000%
Mean Area 175.0



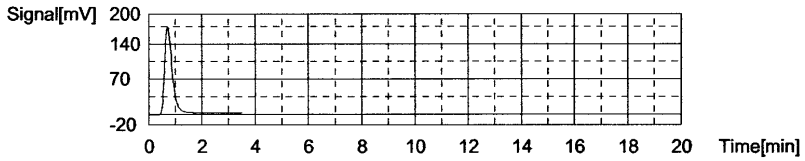
Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	369.9	500uL	1	*******		02/26/2007 10:39:05 AM

Jeanna Roberts

Approved: March 19, 2007

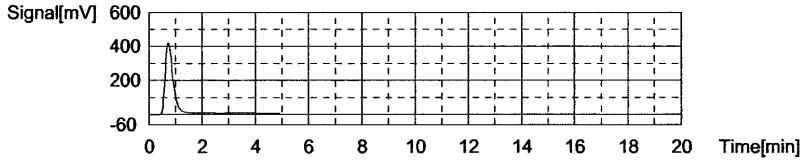
Acid Add. 0.000%
Mean Area 369.9



Conc: 25.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	965.1	500uL	1	T******		02/26/2007 10:49:12 AM

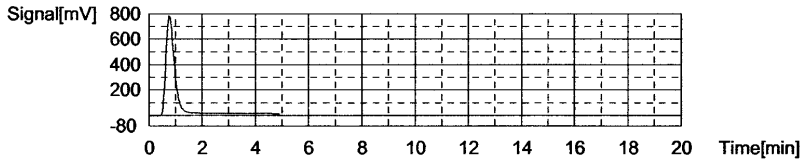
Acid Add. 0.000%
Mean Area 965.1



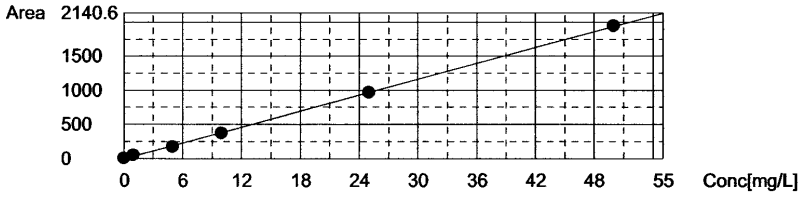
Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1946	500uL	1	T******		02/26/2007 10:59:19 AM

Acid Add. 0.000%
Mean Area 1946



Slope: 38.88
Intercept -3.633
r^2 0.999663
Zero Shift No



Cal. Curve

Sample Name: TIC CURVE
Sample ID: Untitled
Cal. Curve: TICCURVE-02-26-2007.2007_02_26_10_59_19.cal
Status Completed

Type	Anal.
Standard	IC

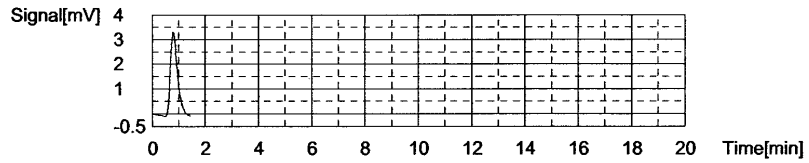
Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	6.426	500uL	1	*******		02/26/2007 11:03:55 AM

Jeanna Roberts

Approved: March 19, 2007

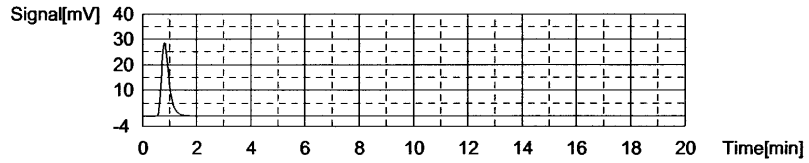
Acid Add. 10.00%
Mean Area 6.426



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	55.25	500uL	1	*******		02/26/2007 11:12:40 AM

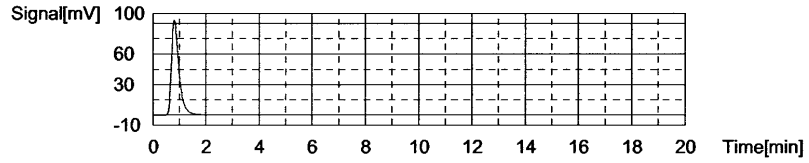
Acid Add. 10.00%
Mean Area 55.25



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	183.5	500uL	1	*******		02/26/2007 11:21:45 AM

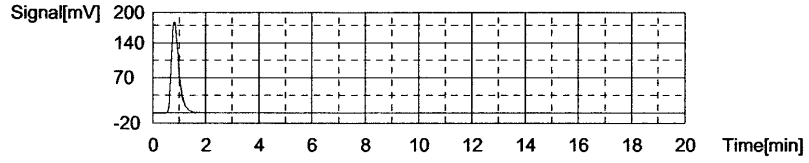
Acid Add. 10.00%
Mean Area 183.5



Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	363.0	500uL	1	*******		02/26/2007 11:31:02 AM

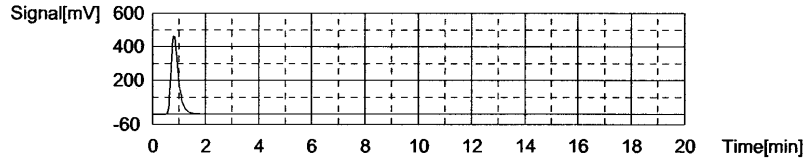
Acid Add. 10.00%
Mean Area 363.0



Conc: 25.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	909.5	500uL	1	*******		02/26/2007 11:40:45 AM

Acid Add. 10.00%
Mean Area 909.5



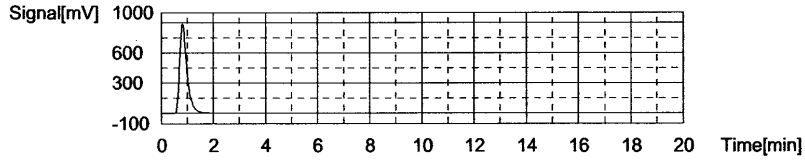
Conc: 50.00mg/L

Jeanna Roberts

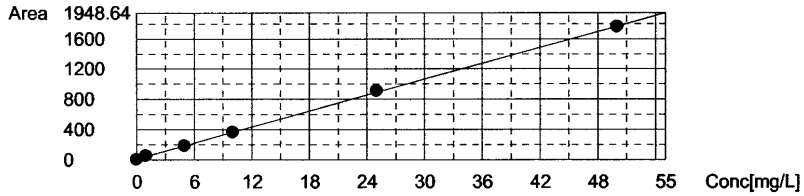
Approved: March 19, 2007

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1764	500uL	1	*******		02/26/2007 11:51:14 AM

Acid Add. 10.00%
Mean Area 1764



Slope: 35.15
Intercept 13.77
r^2 0.999794
Zero Shift No



Sample

Sample Name: TC ICV
Sample ID: Untitled
Origin: TCCURVE-02-26-2007.cal
Status Completed
Chk. Result

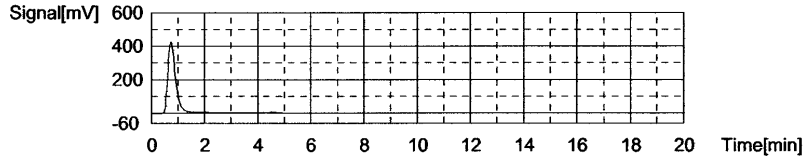
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:23.83mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	922.8	23.83mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	02/26/2007 12:02:39 PM

Mean Area 922.8
Mean Conc. 23.83mg/L



Sample

Sample Name: TIC CURVE
Sample ID: Untitled
Origin: TICCURVE-02-26-2007.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:23.43mg/L

1. Det

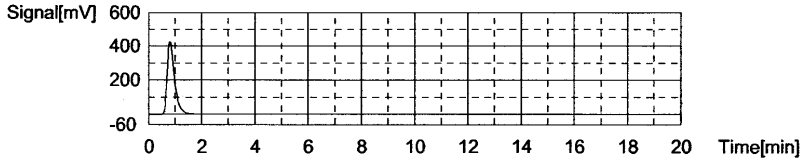
Jeanna Roberts

Approved: March 19, 2007

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	837.6	23.43mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	02/26/2007 12:10:52 PM

Mean Area 837.6
Mean Conc. 23.43mg/L



Jeanna Roberts

Approved: March 19, 2007

WORKGROUP: WG248155

248156

KEMRON ENVIRONMENTAL SERVICES

WG#: _____

Total Organic Carbon

MAKE DAILY

CCV (TOC): STD 20564 ($\frac{10}{200}(1000) = 50\ mg/L$) ($\frac{2}{200}(1000) = 10\ mg/L$)

CCV (TIC): STD 19753 ($\frac{5}{200}(1000) = 25\ mg/L$)

LCS (TOC): STD 20119 ($\frac{5}{200}(1000) = 25\ mg/L$)

MS (TOC): 0.4/40(1000)=10

Calibration Curve Date: 2/26/07

☑ EPA 415.1 / SM5310-C TOC / TOC-4 / TOC-D / TOCLOW
☐ SW846 9060 TOC-14 / TOC-44

SOP: K 4151 Rev. 11

Instrument: Shimadza TOC-VWP/ASI

DAILY CHECK

☑ drain reservoir filled
☑ ASI water bottle full
☑ dilution water bottle full

☑ 3rd bottle full
☑ sufficient gas
☑ sufficient persulfate

☑ sufficient acid
☑ waste container

Position	Sample ID	Dilution
1	CCV 50	
2	CCV 10	
3	TIC 25	
4	BLK	
5	LCS 25	
6	LCSDUP	
7	08-479-01	
8	02	
9	03	
10	08-~~447~~ 3100-01	1/5
11	03	1/5
12	08-428-01	1/3
13	04	1/3
14	08-388-01	1/3
15	CCV	
16	CCB	
17	08-447-01	1/400
18	14	1/2
19	15	1/2
20	23	
21	24	
22	25	
23	26	
24	31	
25	32	

Position	Sample ID	Dilution
26	08-447-33	1/800
27	CCV	1/200
28	CCB	
29	08-44734	1/200
30	08-491-01	1/10
31	DUP 01	↓
32	MS 02	
33	MSD 03	↓
34	BLK	
35	LCS	
36	LCSDUP	
37	08-491-04	1/10
38	05	↓
39	CCV	
40	CCB	
41	491-06	1/10
42	07	↓
43	08-486-01	
44	02	
45	08-497-01	1/10
46	02	↓
47	03	
48	04	↓
49	08-482-01	1/10
50	DUP 01	↓

Position	Sample ID	Dilution
51	CCV	
52	CCB	
53	08-482-03 ms	1/10
54	msd05	X
55	08-484-03	
56	04	
57 R	08-479-03	1/3
58		
59		
60	CCV	
61	CCB	
62		
63		
64		
65		
66		
67		
68		
69		
70		
71		
72		
73		
74		
75		

Analyst: Deanna Dessam Date: 8/20/07 Time: _____

08-491/497 preserved w/ HCL. Diluted to reduce CL interference.

DCN#70631

	Analysi	Sample Name	Result	Status	Date / Time	Vial
1	TOC	CCV 50	!!Error!! TOC:48.04mg/L TC:47.78mg/L IC:-0.2521	Compl	08/20/2007 12:28:00 PM	1
2	TOC	CCV 10	!!Error!! TOC:9.403mg/L TC:9.166mg/L IC:-0.2374	Compl	08/20/2007 12:42:23 PM	2
3	TOC	TIC 25	!!Error!! TOC:-2.406mg/L TC:21.36mg/L IC:23.76m	Compl	08/20/2007 12:57:57 PM	3
4	TOC	WG248155-01 BLANK	!!Error!! TOC:0.5264mg/L TC:0.4078mg/L IC:-0.118	Compl	08/20/2007 01:08:20 PM	0
5	TOC	WG248155-02 LCS	!!Error!! TOC:23.57mg/L TC:23.30mg/L IC:-0.2619	Compl	08/20/2007 01:35:45 PM	5
6	TOC	WG248155-03 LCSDUP	!!Error!! TOC:23.00mg/L TC:22.74mg/L IC:-0.2645	Compl	08/20/2007 01:50:25 PM	6
7	TOC	L0708479-01	TOC:1.923mg/L TC:12.98mg/L IC:11.05mg/L	Compl	08/20/2007 02:05:46 PM	7
8	TOC	L0708479-02	TOC:5.125mg/L TC:13.61mg/L IC:8.481mg/L	Compl	08/20/2007 02:21:16 PM	8
9	TOC	L0708479-03 X	!!Error!! TOC:-4.783mg/L TC:65.17mg/L IC:69.95m	Compl	08/20/2007 02:39:12 PM	9
10	TOC	L0708360-01 (5)	TOC:1.720mg/L TC:21.80mg/L IC:20.08mg/L	Compl	08/20/2007 02:54:49 PM	10
11	TOC	L0708360-03 (5)	TOC:1.409mg/L TC:24.42mg/L IC:23.01mg/L	Compl	08/20/2007 03:10:29 PM	11
12	TOC	L0708428-01 (3)	!!Error!! TOC:-0.6619mg/L TC:16.20mg/L IC:16.86	Compl	08/20/2007 03:25:54 PM	12
13	TOC	L0708428-04 (3)	!!Error!! TOC:-0.8635mg/L TC:14.28mg/L IC:15.15	Compl	08/20/2007 03:40:18 PM	13
14	TOC	L0708388-01 (3)	TOC:0.7458mg/L TC:11.79mg/L IC:11.05mg/L	Compl	08/20/2007 03:55:09 PM	14
15	TOC	CCV	!!Error!! TOC:45.43mg/L TC:45.26mg/L IC:-0.1675	Compl	08/20/2007 04:09:59 PM	15
16	TOC	CCB	!!Error!! TOC:0.5035mg/L TC:0.3584mg/L IC:-0.145	Compl	08/20/2007 04:20:09 PM	0
17	TOC	L0708447-01 (400)	!!Error!! TOC:23.31mg/L TC:23.16mg/L IC:-0.1472	Compl	08/20/2007 04:37:32 PM	17
18	TOC	L0708447-14 (2)	TOC:9.641mg/L TC:11.87mg/L IC:2.228mg/L	Compl	08/20/2007 04:52:40 PM	18
19	TOC	L0708447-15 (2)	TOC:1.084mg/L TC:4.778mg/L IC:3.693mg/L	Compl	08/20/2007 05:06:55 PM	19
20	TOC	L0708447-23	TOC:1.468mg/L TC:4.760mg/L IC:3.292mg/L	Compl	08/20/2007 05:21:36 PM	20
21	TOC	L0708447-24	TOC:1.847mg/L TC:2.676mg/L IC:0.8292mg/L	Compl	08/20/2007 05:35:55 PM	21
22	TOC	L0708447-25	TOC:1.220mg/L TC:9.539mg/L IC:8.318mg/L	Compl	08/20/2007 05:50:59 PM	22
23	TOC	L0708447-26	TOC:3.220mg/L TC:3.579mg/L IC:0.3593mg/L	Compl	08/20/2007 06:05:15 PM	23
24	TOC	L0708447-31	TOC:1.838mg/L TC:8.759mg/L IC:6.922mg/L	Compl	08/20/2007 06:20:11 PM	24
25	TOC	L0708447-32	TOC:2.055mg/L TC:2.879mg/L IC:0.8238mg/L	Compl	08/20/2007 06:34:38 PM	25
26	TOC	L0708447-33 (200)	!!Error!! TOC:18.34mg/L TC:18.18mg/L IC:-0.1658	Compl	08/20/2007 06:52:15 PM	26
27	TOC	CCV	!!Error!! TOC:46.32mg/L TC:46.11mg/L IC:-0.2112	Compl	08/20/2007 07:08:00 PM	27
28	TOC	CCB	!!Error!! TOC:0.5313mg/L TC:0.3754mg/L IC:-0.155	Compl	08/20/2007 07:18:16 PM	0
29	TOC	L0708447-34 (200)	!!Error!! TOC:34.76mg/L TC:34.64mg/L IC:-0.1252	Compl	08/20/2007 07:35:59 PM	29
30	TOC	L0708491-01 (10)	TOC:0.9843mg/L TC:1.891mg/L IC:0.9071mg/L	Compl	08/20/2007 07:50:29 PM	30
31	TOC	WG248155-05 (10) DUP	TOC:1.093mg/L TC:2.024mg/L IC:0.9305mg/L	Compl	08/20/2007 08:04:38 PM	31
32	TOC	L0708491-02 (10) MS	TOC:2.174mg/L TC:3.013mg/L IC:0.8386mg/L	Compl	08/20/2007 08:19:03 PM	32
33	TOC	L0708491-03 (10) MSD	TOC:2.358mg/L TC:3.134mg/L IC:0.7754mg/L	Compl	08/20/2007 08:33:27 PM	33
34	TOC	WG248156-01 BLANK	!!Error!! TOC:0.4763mg/L TC:0.3219mg/L IC:-0.154	Compl	08/20/2007 08:43:36 PM	0
35	TOC	WG248156-02 LCS	!!Error!! TOC:22.82mg/L TC:22.60mg/L IC:-0.2219	Compl	08/20/2007 08:58:25 PM	35
36	TOC	WG248156-03 LCSDUP	!!Error!! TOC:23.05mg/L TC:22.84mg/L IC:-0.2180	Compl	08/20/2007 09:13:09 PM	36
37	TOC	L0708491-04 (10)	TOC:0.9039mg/L TC:2.482mg/L IC:1.578mg/L	Compl	08/20/2007 09:27:31 PM	37
38	TOC	L0708491-05 (10)	TOC:0.8462mg/L TC:2.570mg/L IC:1.724mg/L	Compl	08/20/2007 09:41:50 PM	38
39	TOC	CCV	!!Error!! TOC:45.92mg/L TC:45.73mg/L IC:-0.1947	Compl	08/20/2007 09:57:08 PM	39
40	TOC	CCB	!!Error!! TOC:0.5222mg/L TC:0.3659mg/L IC:-0.156	Compl	08/20/2007 10:07:20 PM	0
41	TOC	L0708491-06 (10) X	TOC:151.6mg/L TC:153.9mg/L IC:2.310mg/L	Compl	08/20/2007 10:25:05 PM	41
42	TOC	L0708491-07 (10) X	TOC:114.0mg/L TC:115.8mg/L IC:1.816mg/L	Compl	08/20/2007 10:41:41 PM	42
43	TOC	L0708486-01 X	!!Error!! TOC:-3.819mg/L TC:54.19mg/L IC:58.01m	Compl	08/20/2007 10:58:38 PM	43
44	TOC	L0708486-02	TOC:1.229mg/L TC:15.21mg/L IC:13.98mg/L	Compl	08/20/2007 11:14:15 PM	44
45	TOC	L0708497-01 (10)	TOC:3.276mg/L TC:3.947mg/L IC:0.6705mg/L	Compl	08/20/2007 11:28:37 PM	45
46	TOC	L0708497-02 (10)	TOC:7.463mg/L TC:9.354mg/L IC:1.891mg/L	Compl	08/20/2007 11:43:25 PM	46
47	TOC	L0708497-03 (10)	TOC:2.348mg/L TC:3.373mg/L IC:1.025mg/L	Compl	08/20/2007 11:58:03 PM	47
48	TOC	L0708497-04 (10)	TOC:0.8845mg/L TC:2.087mg/L IC:1.203mg/L	Compl	08/21/2007 12:12:22 AM	48
49	TOC	WG248156-04 (10)	TOC:19.35mg/L TC:49.51mg/L IC:30.16mg/L	Compl	08/21/2007 12:28:59 AM	49
50	TOC	WG248156-05 (10)DUP	TOC:3.737mg/L TC:11.89mg/L IC:8.151mg/L	Compl	08/21/2007 12:44:19 AM	50
51	TOC	CCV	!!Error!! TOC:44.82mg/L TC:44.67mg/L IC:-0.1461	Compl	08/21/2007 01:00:31 AM	51
52	TOC	CCB	!!Error!! TOC:0.6327mg/L TC:0.4896mg/L IC:-0.143	Compl	08/21/2007 01:10:49 AM	0
53	TOC	WG248156-06 (10) MS	TOC:20.49mg/L TC:38.32mg/L IC:17.83mg/L	Compl	08/21/2007 01:27:01 AM	53
54	TOC	WG248156-07 (10) MSD	TOC:3.687mg/L TC:17.57mg/L IC:13.88mg/L	Compl	08/21/2007 01:42:29 AM	54
55	TOC	L0708484-03	TOC:0.4193mg/L TC:17.46mg/L IC:17.04mg/L	Compl	08/21/2007 01:58:03 AM	55
56	TOC	L0708484-04 X	!!Error!! TOC:-11.78mg/L TC:60.57mg/L IC:72.34m	Compl	08/21/2007 02:16:12 AM	56
57	TOC	L0708479-03 (3)	TOC:14.45mg/L TC:28.90mg/L IC:14.45mg/L	Compl	08/21/2007 02:32:28 AM	57
58	TOC		!!Error!! TOC:0.6260mg/L TC:0.5608mg/L IC:-0.065	Compl	08/21/2007 02:46:12 AM	58
59	TOC		!!Error!! TOC:0.5327mg/L TC:0.3985mg/L IC:-0.134	Compl	08/21/2007 02:59:52 AM	59
60	TOC	CCV	!!Error!! TOC:45.28mg/L TC:45.11mg/L IC:-0.1685	Compl	08/21/2007 03:15:51 AM	60
61	TOC	CCB	!!Error!! TOC:0.5166mg/L TC:0.3720mg/L IC:-0.144	Compl	08/21/2007 03:26:05 AM	0

Instr.Information

System TOCVW ASI
Detector Wet Chemical

Sample

Sample Name: CCV 50
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

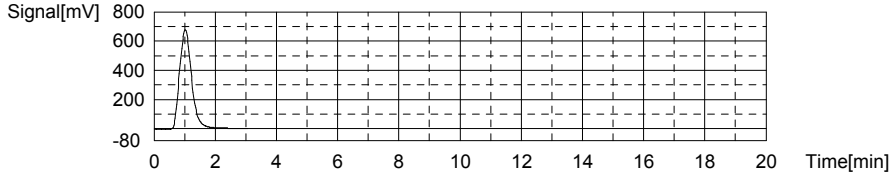
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:48.04mg/L TC:47.78mg/L IC:-0.2521mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1854	47.78mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 12:22:39 PM

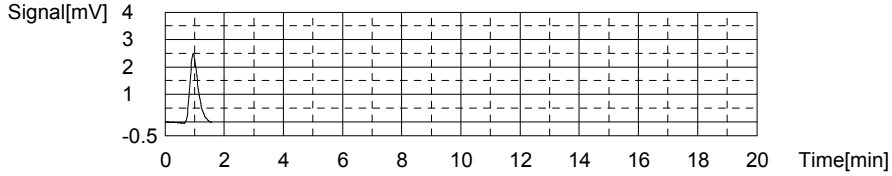
Mean Area 1854
Mean Conc. 47.78mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.909	-0.2521mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 12:28:00 PM

Mean Area 4.909
Mean Conc. -0.2521mg/L



Sample

Sample Name: CCV 10
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

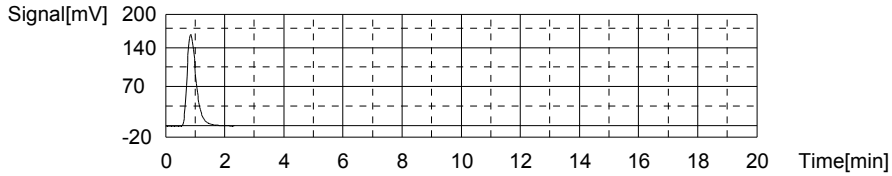
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:9.403mg/L TC:9.166mg/L IC:-0.2374mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	352.7	9.166mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 12:37:04 PM

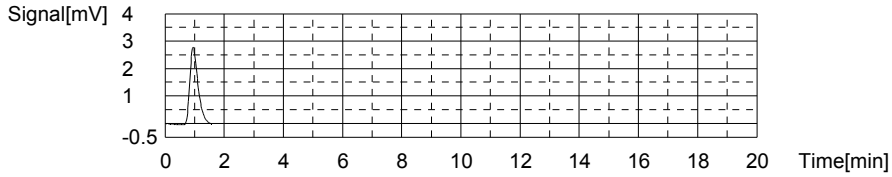
Mean Area 352.7
Mean Conc. 9.166mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.424	-0.2374mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 12:42:23 PM

Mean Area 5.424
Mean Conc. -0.2374mg/L



Sample

Sample Name: TIC 25
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

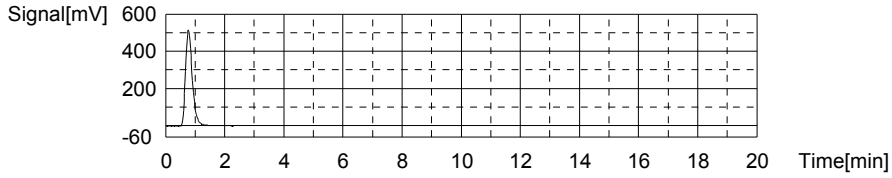
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:-2.406mg/L TC:21.36mg/L IC:23.76mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	826.7	21.36mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 12:51:26 PM

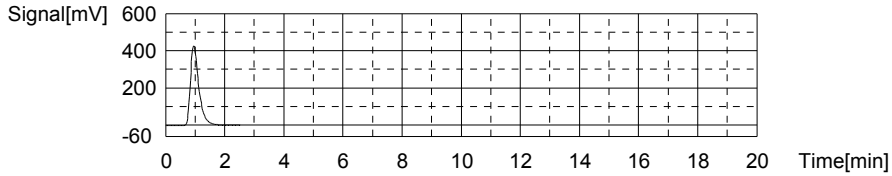
Mean Area 826.7
Mean Conc. 21.36mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	849.2	23.76mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 12:57:57 PM

Mean Area 849.2
Mean Conc. 23.76mg/L



Sample

Sample Name: WG248155-01 BLANK
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

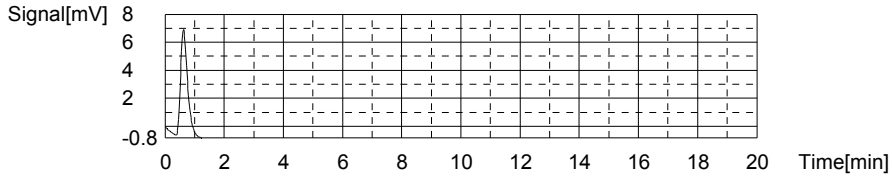
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:0.5264mg/L TC:0.4078mg/L IC:-0.1186mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.22	0.4078mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 01:03:46 PM

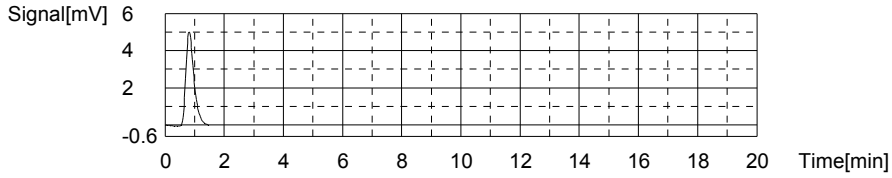
Mean Area 12.22
Mean Conc. 0.4078mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.599	-0.1186mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 01:08:20 PM

Mean Area 9.599
Mean Conc. -0.1186mg/L



Sample

Sample Name: WG248155-02 LCS
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

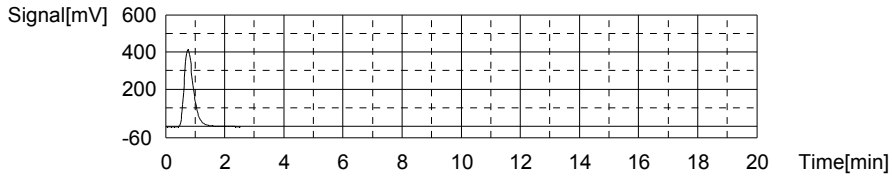
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:23.57mg/L TC:23.30mg/L IC:-0.2619mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	902.3	23.30mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 01:30:43 PM

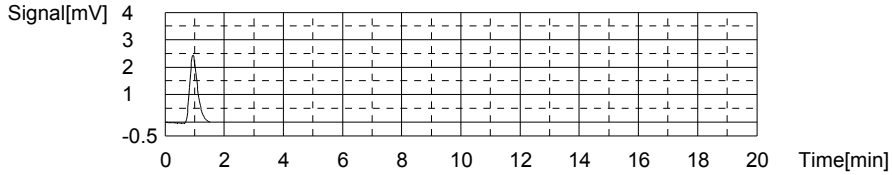
Mean Area 902.3
Mean Conc. 23.30mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.562	-0.2619mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 01:35:45 PM

Mean Area 4.562
Mean Conc. -0.2619mg/L



Sample

Sample Name: WG248155-03 LCSDUP
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

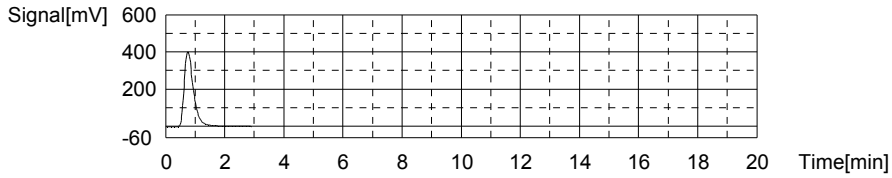
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:23.00mg/L TC:22.74mg/L IC:-0.2645mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	880.4	22.74mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 01:45:24 PM

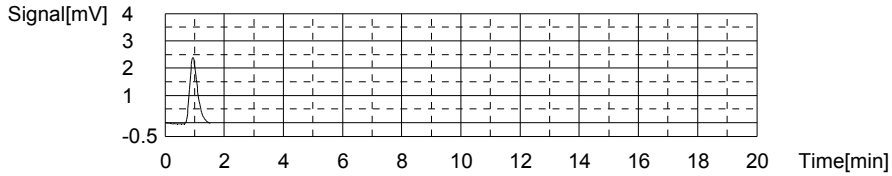
Mean Area 880.4
Mean Conc. 22.74mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.473	-0.2645mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 01:50:25 PM

Mean Area 4.473
Mean Conc. -0.2645mg/L



Sample

Sample Name: L0708479-01
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

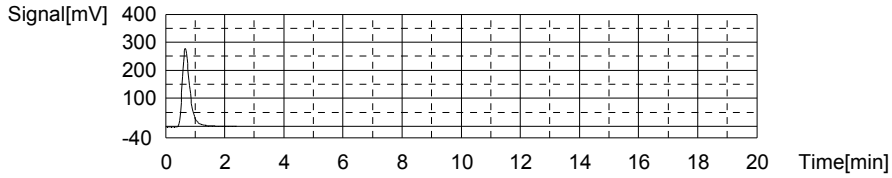
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:1.923mg/L TC:12.98mg/L IC:11.05mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	500.9	12.98mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 01:59:41 PM

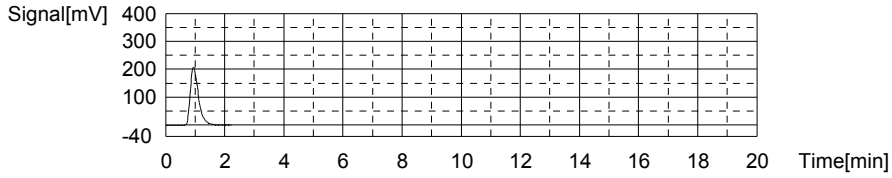
Mean Area 500.9
Mean Conc. 12.98mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	402.4	11.05mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 02:05:46 PM

Mean Area 402.4
Mean Conc. 11.05mg/L



Sample

Sample Name: L0708479-02
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

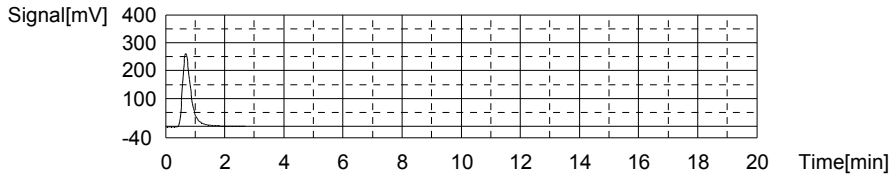
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:5.125mg/L TC:13.61mg/L IC:8.481mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	525.3	13.61mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 02:15:19 PM

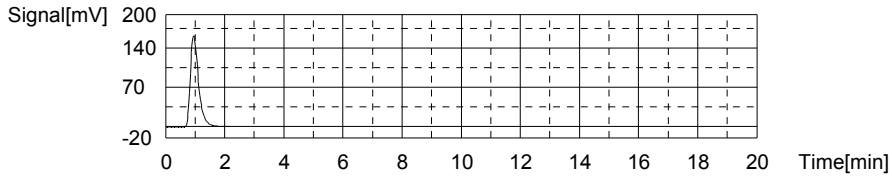
Mean Area 525.3
Mean Conc. 13.61mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	311.9	8.481mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 02:21:16 PM

Mean Area 311.9
Mean Conc. 8.481mg/L



Sample

Sample Name: L0708479-03
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

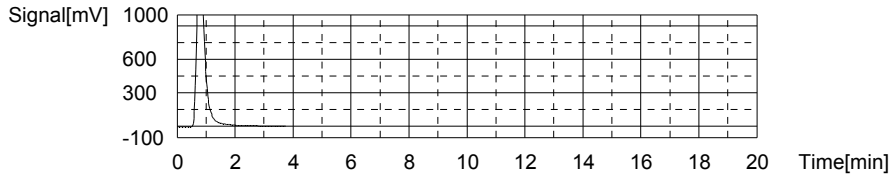
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:-4.783mg/L TC:65.17mg/L IC:69.95mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2530	65.17mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 02:31:51 PM

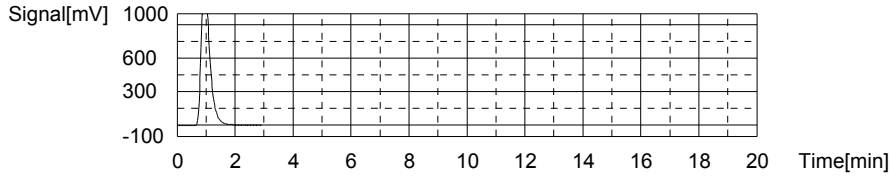
Mean Area 2530
Mean Conc. 65.17mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2473	69.95mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 02:39:12 PM

Mean Area 2473
Mean Conc. 69.95mg/L



Sample

Sample Name: L0708360-01 (5)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

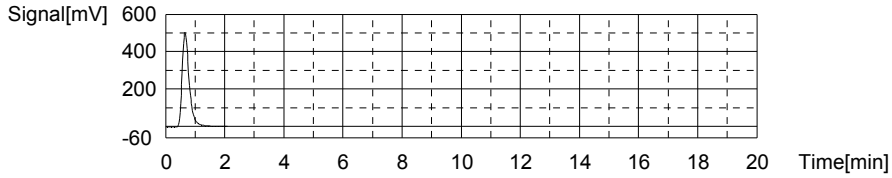
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:1.720mg/L TC:21.80mg/L IC:20.08mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	843.8	21.80mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 02:48:19 PM

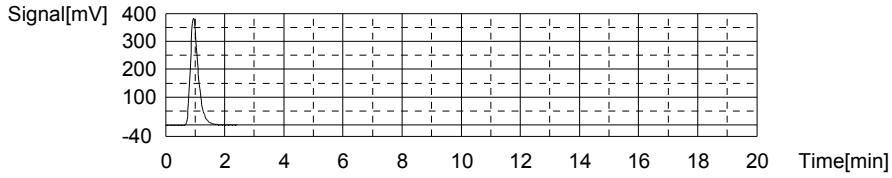
Mean Area 843.8
Mean Conc. 21.80mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	719.6	20.08mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 02:54:49 PM

Mean Area 719.6
Mean Conc. 20.08mg/L



Sample

Sample Name: L0708360-03 (5)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

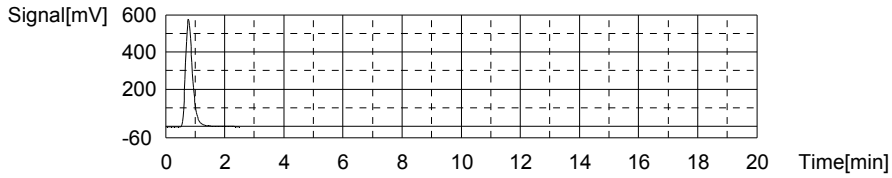
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:1.409mg/L TC:24.42mg/L IC:23.01mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	945.6	24.42mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 03:04:01 PM

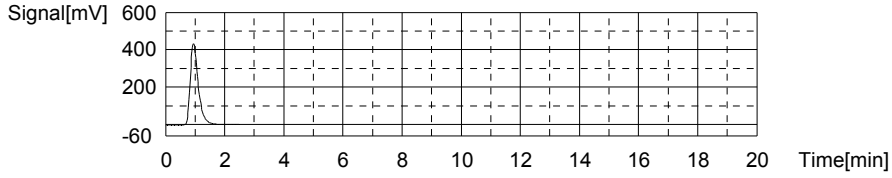
Mean Area 945.6
Mean Conc. 24.42mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	822.6	23.01mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 03:10:29 PM

Mean Area 822.6
Mean Conc. 23.01mg/L



Sample

Sample Name: L0708428-01 (3)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

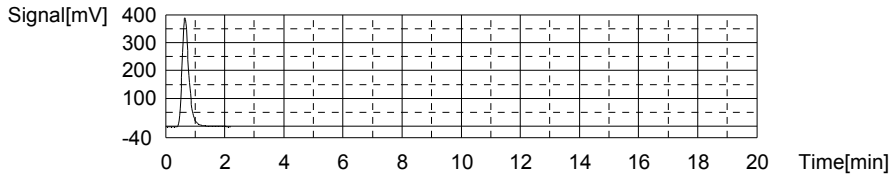
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:-0.6619mg/L TC:16.20mg/L IC:16.86mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	626.0	16.20mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 03:19:25 PM

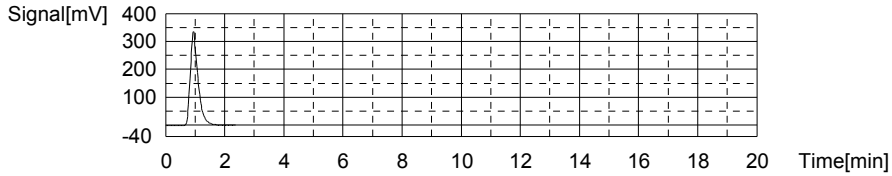
Mean Area 626.0
Mean Conc. 16.20mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	606.4	16.86mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 03:25:54 PM

Mean Area 606.4
Mean Conc. 16.86mg/L



Sample

Sample Name: L0708428-04 (3)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

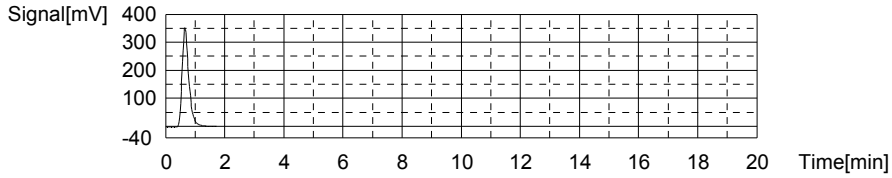
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:-0.8635mg/L TC:14.28mg/L IC:15.15mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	551.7	14.28mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 03:34:13 PM

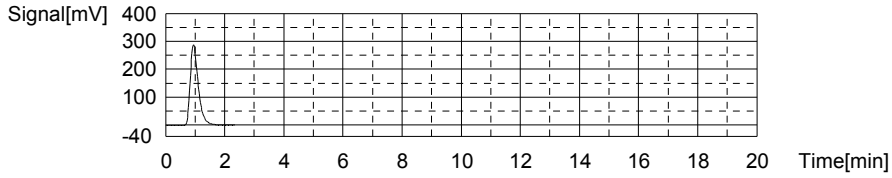
Mean Area 551.7
Mean Conc. 14.28mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	546.3	15.15mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 03:40:18 PM

Mean Area 546.3
Mean Conc. 15.15mg/L



Sample

Sample Name: L0708388-01 (3)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

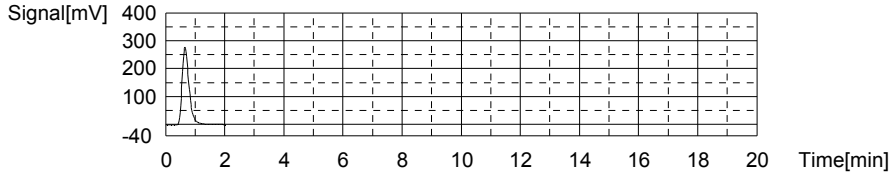
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:0.7458mg/L TC:11.79mg/L IC:11.05mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	454.8	11.79mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 03:49:05 PM

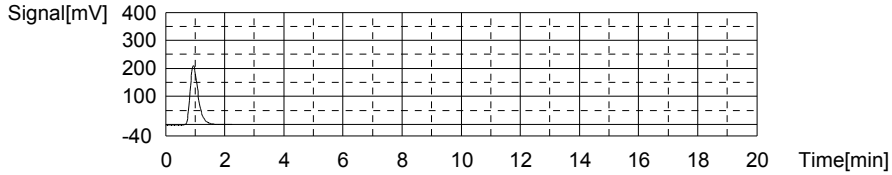
Mean Area 454.8
Mean Conc. 11.79mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	402.1	11.05mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 03:55:09 PM

Mean Area 402.1
Mean Conc. 11.05mg/L



Sample

Sample Name: CCV
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

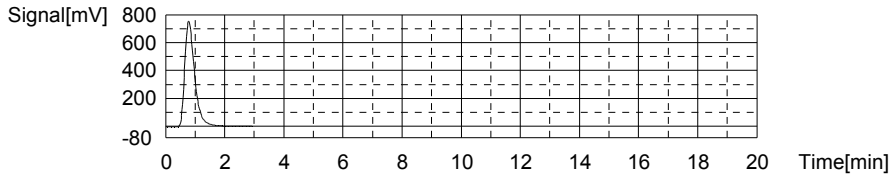
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:45.43mg/L TC:45.26mg/L IC:-0.1675mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1756	45.26mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 04:04:51 PM

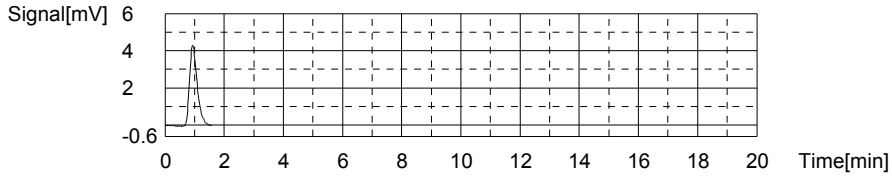
Mean Area 1756
Mean Conc. 45.26mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.881	-0.1675mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 04:09:59 PM

Mean Area 7.881
Mean Conc. -0.1675mg/L



Sample

Sample Name: CCB
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

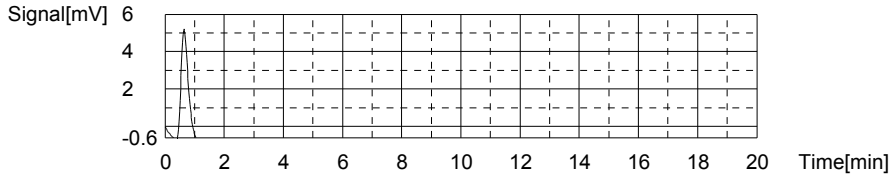
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:0.5035mg/L TC:0.3584mg/L IC:-0.1452mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.30	0.3584mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 04:15:46 PM

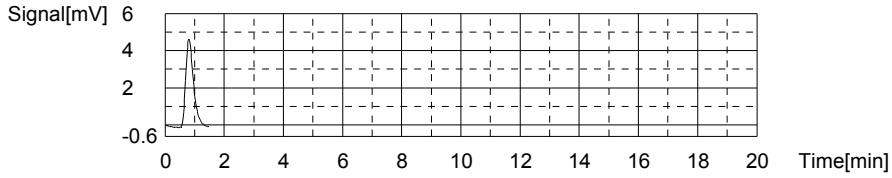
Mean Area 10.30
Mean Conc. 0.3584mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.667	-0.1452mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 04:20:09 PM

Mean Area 8.667
Mean Conc. -0.1452mg/L



Sample

Sample Name: L0708447-01 (400)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

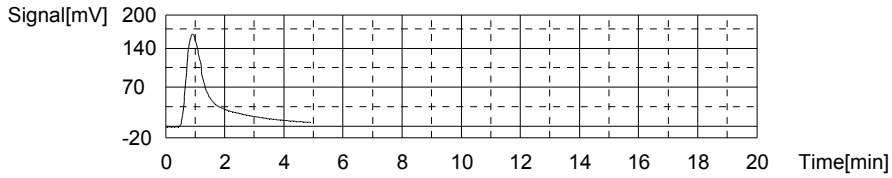
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:23.31mg/L TC:23.16mg/L IC:-0.1472mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	896.8	23.16mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 04:31:54 PM

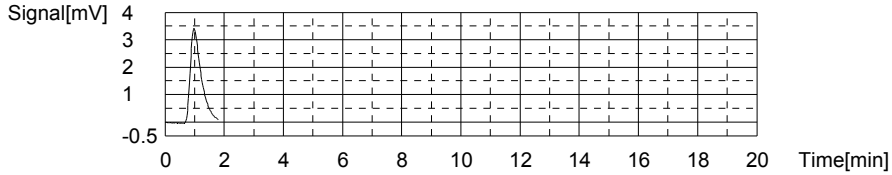
Mean Area 896.8
Mean Conc. 23.16mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.594	-0.1472mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 04:37:32 PM

Mean Area 8.594
Mean Conc. -0.1472mg/L



Sample

Sample Name: L0708447-14 (2)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

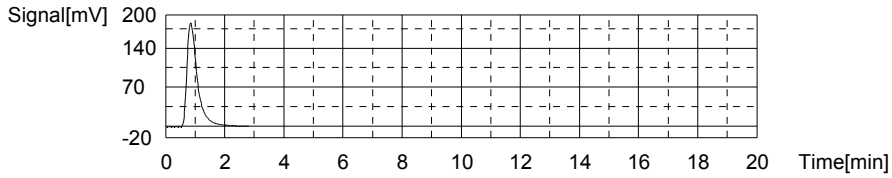
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:9.641mg/L TC:11.87mg/L IC:2.228mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	457.8	11.87mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 04:46:58 PM

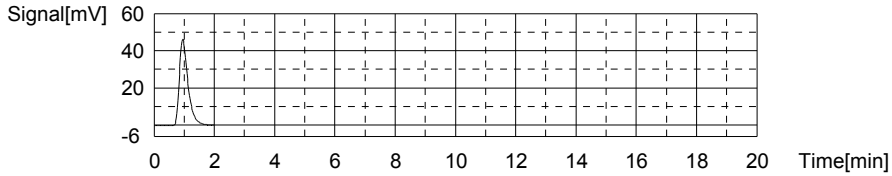
Mean Area 457.8
Mean Conc. 11.87mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	92.11	2.228mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 04:52:40 PM

Mean Area 92.11
Mean Conc. 2.228mg/L



Sample

Sample Name: L0708447-15 (2)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

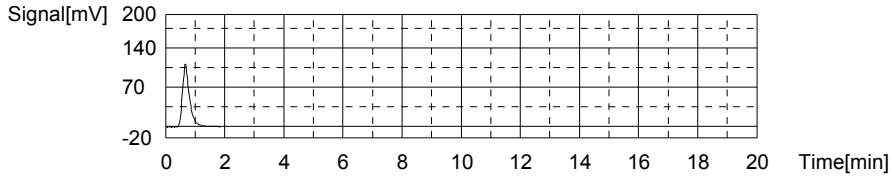
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:1.084mg/L TC:4.778mg/L IC:3.693mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	182.1	4.778mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 05:01:16 PM

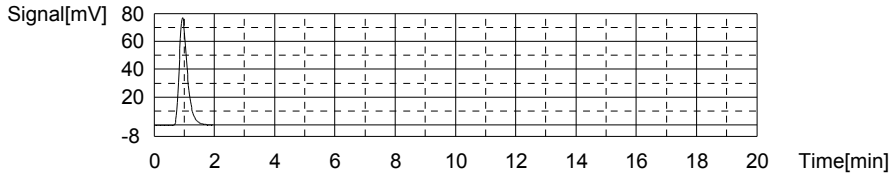
Mean Area 182.1
Mean Conc. 4.778mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	143.6	3.693mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 05:06:55 PM

Mean Area 143.6
Mean Conc. 3.693mg/L



Sample

Sample Name: L0708447-23
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

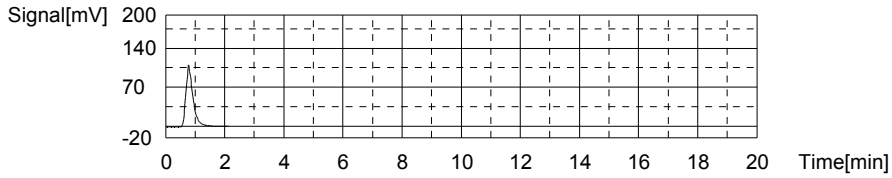
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:1.468mg/L TC:4.760mg/L IC:3.292mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	181.4	4.760mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 05:15:53 PM

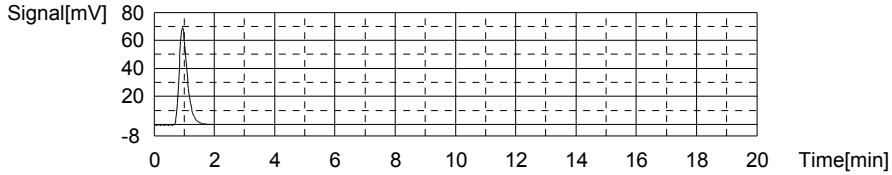
Mean Area 181.4
Mean Conc. 4.760mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	129.5	3.292mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 05:21:36 PM

Mean Area 129.5
Mean Conc. 3.292mg/L



Sample

Sample Name: L0708447-24
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

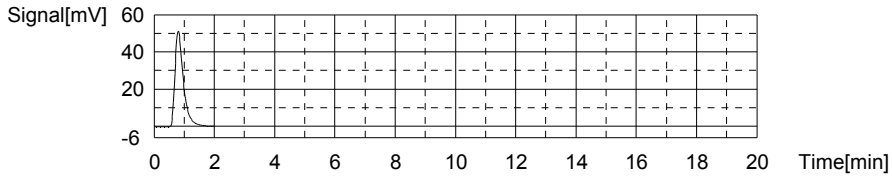
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:1.847mg/L TC:2.676mg/L IC:0.8292mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	100.4	2.676mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 05:30:26 PM

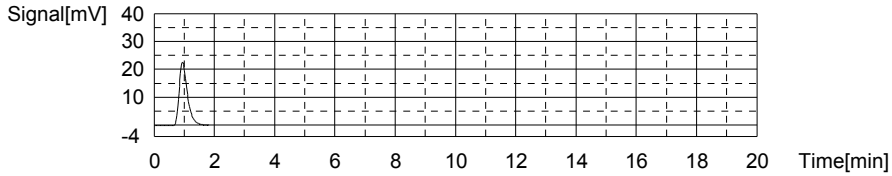
Mean Area 100.4
Mean Conc. 2.676mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	42.92	0.8292mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 05:35:55 PM

Mean Area 42.92
Mean Conc. 0.8292mg/L



Sample

Sample Name: L0708447-25
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

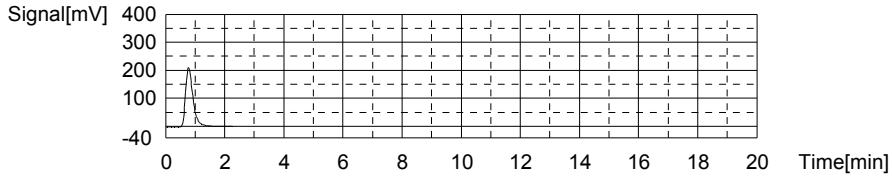
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:1.220mg/L TC:9.539mg/L IC:8.318mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	367.2	9.539mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 05:45:02 PM

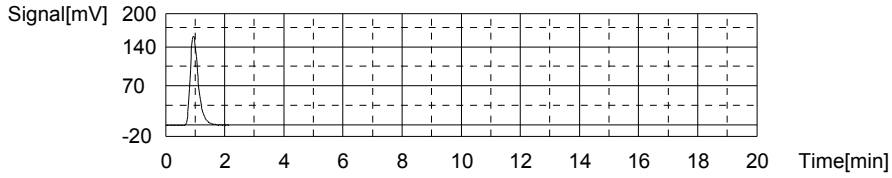
Mean Area 367.2
Mean Conc. 9.539mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	306.2	8.318mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 05:50:59 PM

Mean Area 306.2
Mean Conc. 8.318mg/L



Sample

Sample Name: L0708447-26
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

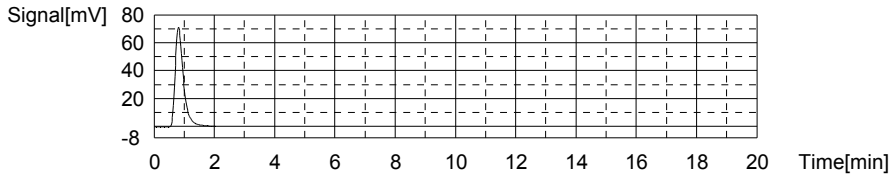
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:3.220mg/L TC:3.579mg/L IC:0.3593mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	135.5	3.579mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 05:59:52 PM

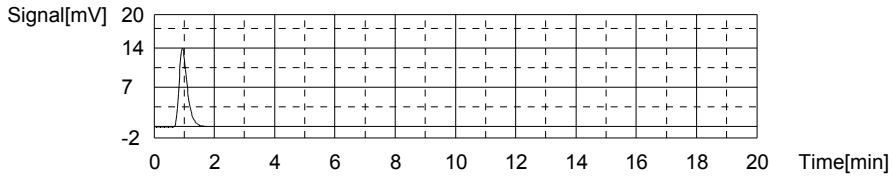
Mean Area 135.5
Mean Conc. 3.579mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	26.40	0.3593mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 06:05:15 PM

Mean Area 26.40
Mean Conc. 0.3593mg/L



Sample

Sample Name: L0708447-31
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

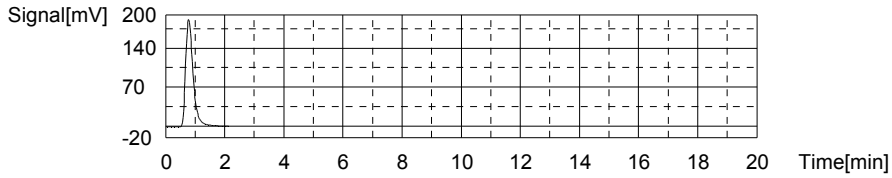
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:1.838mg/L TC:8.759mg/L IC:6.922mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	336.9	8.759mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 06:14:14 PM

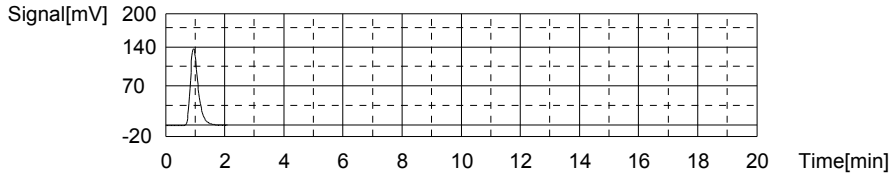
Mean Area 336.9
Mean Conc. 8.759mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	257.1	6.922mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 06:20:11 PM

Mean Area 257.1
Mean Conc. 6.922mg/L



Sample

Sample Name: L0708447-32
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

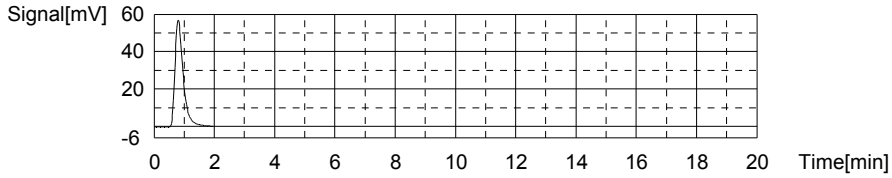
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:2.055mg/L TC:2.879mg/L IC:0.8238mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	108.3	2.879mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 06:28:59 PM

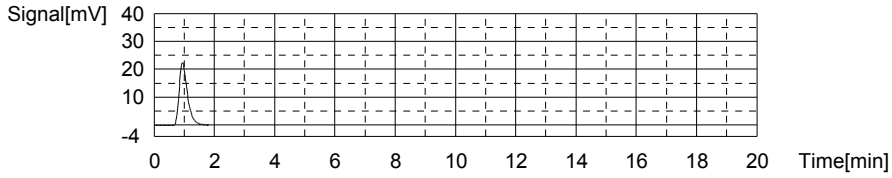
Mean Area 108.3
Mean Conc. 2.879mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	42.73	0.8238mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 06:34:38 PM

Mean Area 42.73
Mean Conc. 0.8238mg/L



Sample

Sample Name: L0708447-33 (200)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

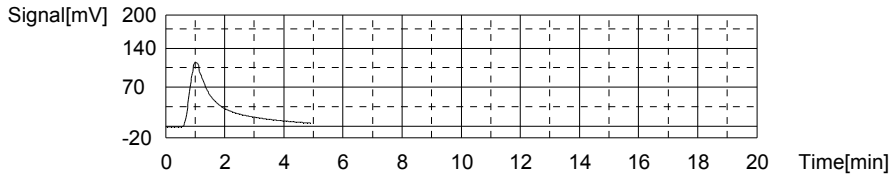
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:18.34mg/L TC:18.18mg/L IC:-0.1658mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	703.0	18.18mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 06:46:24 PM

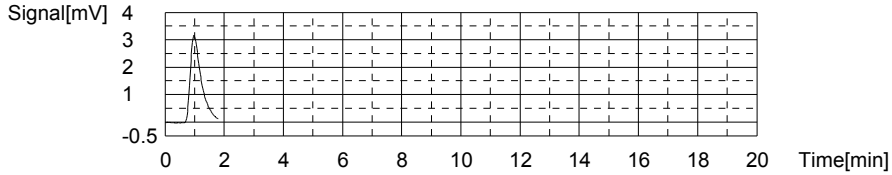
Mean Area 703.0
Mean Conc. 18.18mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.942	-0.1658mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 06:52:15 PM

Mean Area 7.942
Mean Conc. -0.1658mg/L



Sample

Sample Name: CCV
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

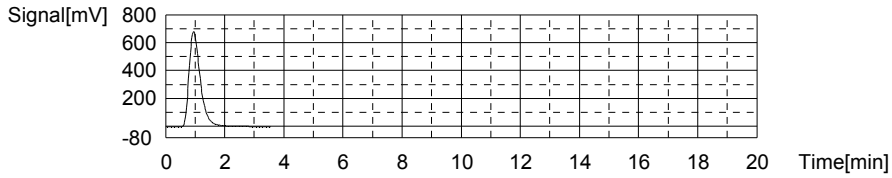
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:46.32mg/L TC:46.11mg/L IC:-0.2112mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1789	46.11mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 07:02:41 PM

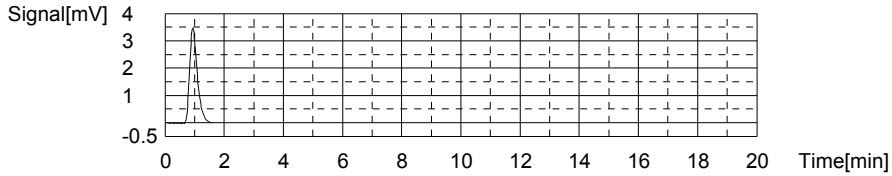
Mean Area 1789
Mean Conc. 46.11mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.345	-0.2112mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 07:08:00 PM

Mean Area 6.345
Mean Conc. -0.2112mg/L



Sample

Sample Name: CCB
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

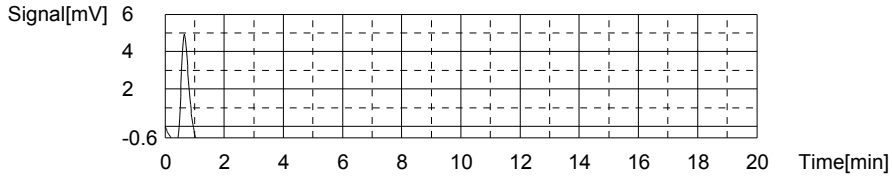
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:0.5313mg/L TC:0.3754mg/L IC:-0.1559mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.96	0.3754mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 07:13:50 PM

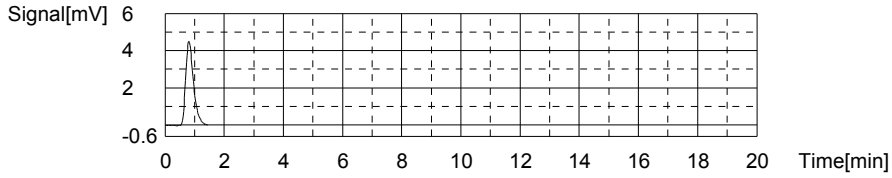
Mean Area 10.96
Mean Conc. 0.3754mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.289	-0.1559mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 07:18:16 PM

Mean Area 8.289
Mean Conc. -0.1559mg/L



Sample

Sample Name: L0708447-34 (200)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

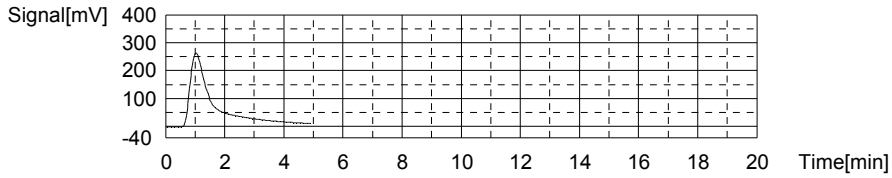
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:34.76mg/L TC:34.64mg/L IC:-0.1252mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1343	34.64mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 07:30:03 PM

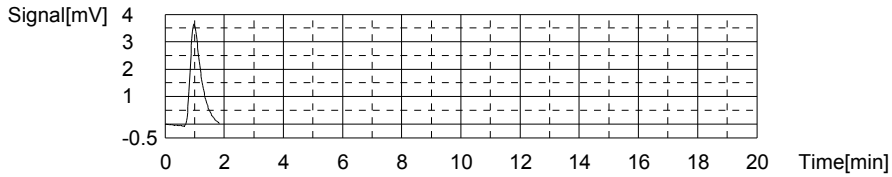
Mean Area 1343
Mean Conc. 34.64mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.369	-0.1252mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 07:35:59 PM

Mean Area 9.369
Mean Conc. -0.1252mg/L



Sample

Sample Name: L0708491-01 (10)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

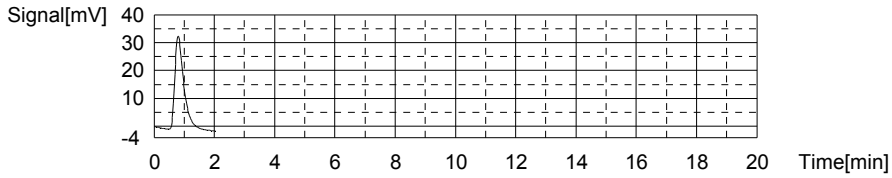
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:0.9843mg/L TC:1.891mg/L IC:0.9071mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	69.90	1.891mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 07:44:53 PM

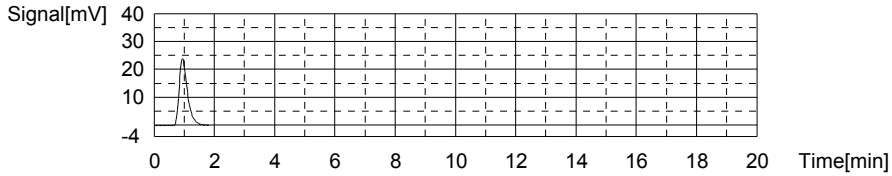
Mean Area 69.90
Mean Conc. 1.891mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	45.66	0.9071mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 07:50:29 PM

Mean Area 45.66
Mean Conc. 0.9071mg/L



Sample

Sample Name: WG248155-05 (10) DUP
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

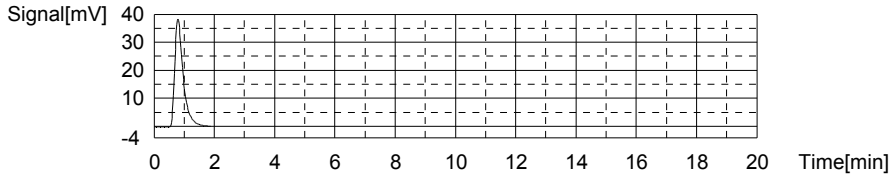
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:1.093mg/L TC:2.024mg/L IC:0.9305mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	75.05	2.024mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 07:59:13 PM

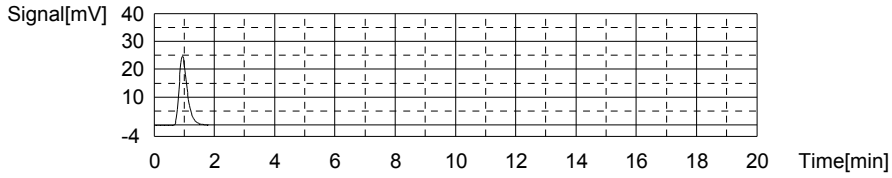
Mean Area 75.05
Mean Conc. 2.024mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	46.48	0.9305mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 08:04:38 PM

Mean Area 46.48
Mean Conc. 0.9305mg/L



Sample

Sample Name: L0708491-02 (10) MS
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

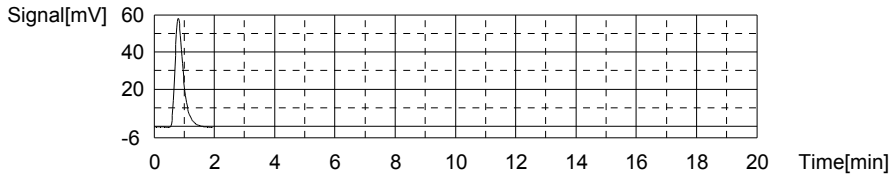
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:2.174mg/L TC:3.013mg/L IC:0.8386mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	113.5	3.013mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 08:13:27 PM

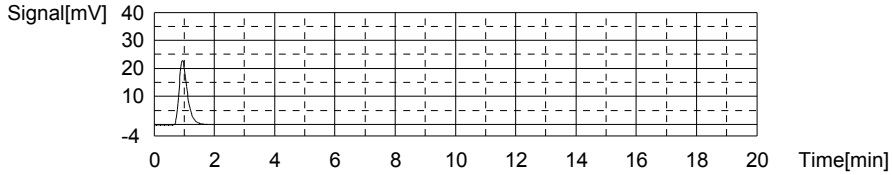
Mean Area 113.5
Mean Conc. 3.013mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	43.25	0.8386mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 08:19:03 PM

Mean Area 43.25
Mean Conc. 0.8386mg/L



Sample

Sample Name: L0708491-03 (10) MSD
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

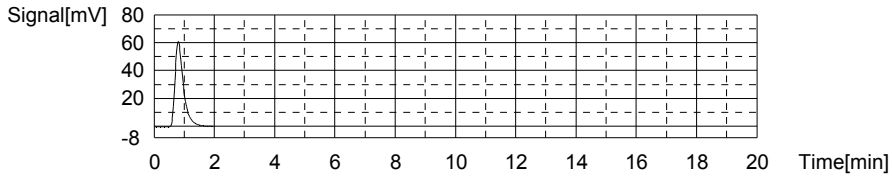
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:2.358mg/L TC:3.134mg/L IC:0.7754mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	118.2	3.134mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 08:27:53 PM

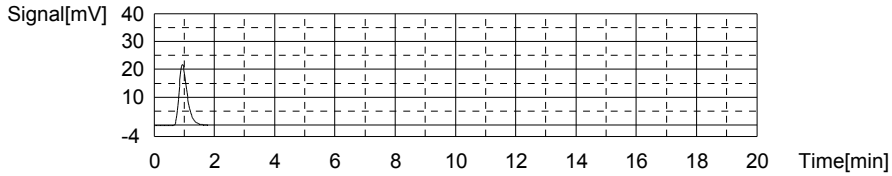
Mean Area 118.2
Mean Conc. 3.134mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	41.03	0.7754mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 08:33:27 PM

Mean Area 41.03
Mean Conc. 0.7754mg/L



Sample

Sample Name: WG248156-01 BLANK
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

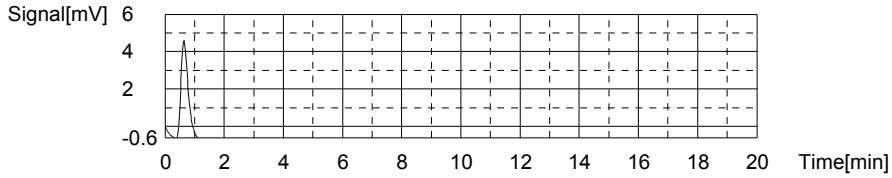
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:0.4763mg/L TC:0.3219mg/L IC:-0.1543mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.882	0.3219mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 08:39:09 PM

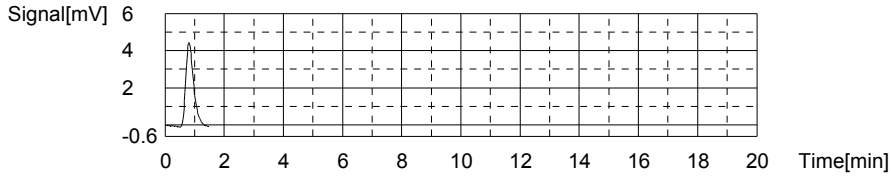
Mean Area 8.882
Mean Conc. 0.3219mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.344	-0.1543mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 08:43:36 PM

Mean Area 8.344
Mean Conc. -0.1543mg/L



Sample

Sample Name: WG248156-02 LCS
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

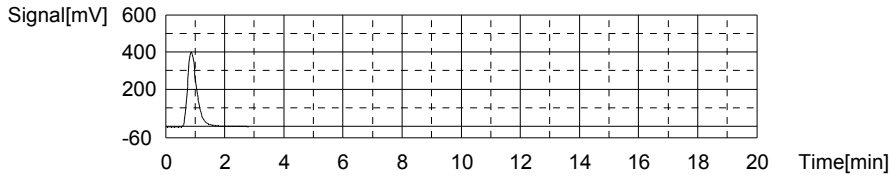
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:22.82mg/L TC:22.60mg/L IC:-0.2219mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	874.8	22.60mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 08:53:10 PM

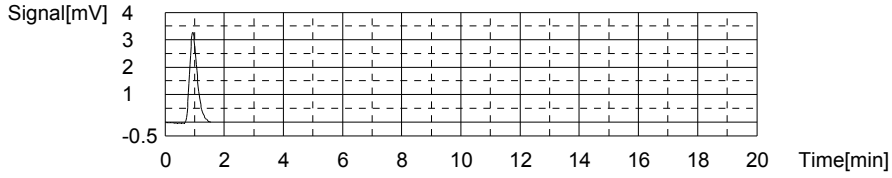
Mean Area 874.8
Mean Conc. 22.60mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.969	-0.2219mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 08:58:25 PM

Mean Area 5.969
Mean Conc. -0.2219mg/L



Sample

Sample Name: WG248156-03 LCSDUP
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

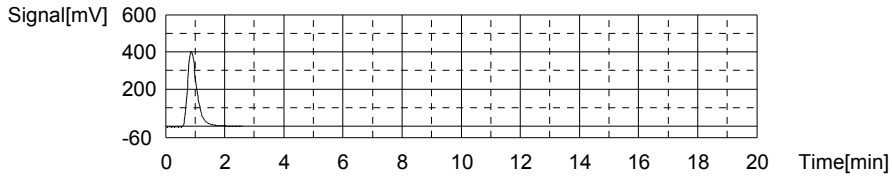
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:23.05mg/L TC:22.84mg/L IC:-0.2180mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	884.1	22.84mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 09:07:53 PM

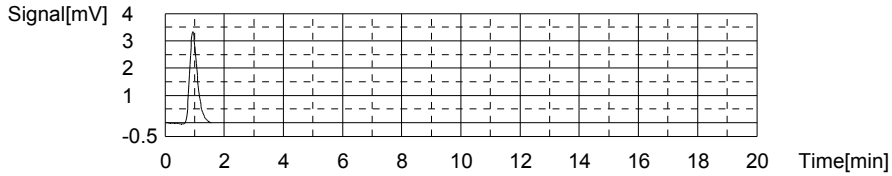
Mean Area 884.1
Mean Conc. 22.84mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.105	-0.2180mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 09:13:09 PM

Mean Area 6.105
Mean Conc. -0.2180mg/L



Sample

Sample Name: L0708491-04 (10)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

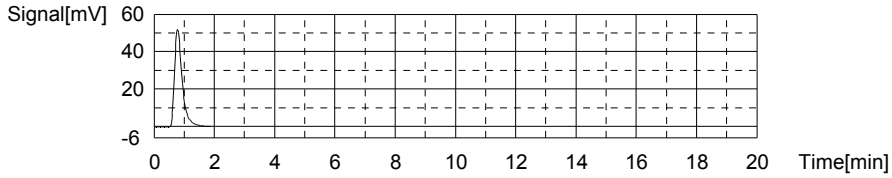
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:0.9039mg/L TC:2.482mg/L IC:1.578mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	92.87	2.482mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 09:21:54 PM

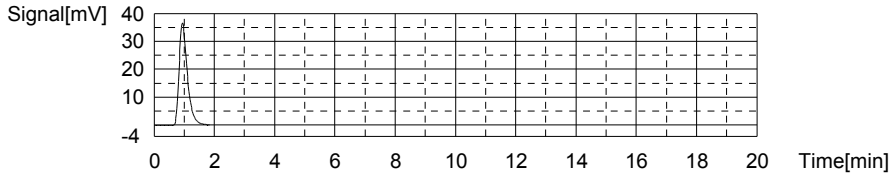
Mean Area 92.87
Mean Conc. 2.482mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	69.26	1.578mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 09:27:31 PM

Mean Area 69.26
Mean Conc. 1.578mg/L



Sample

Sample Name: L0708491-05 (10)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

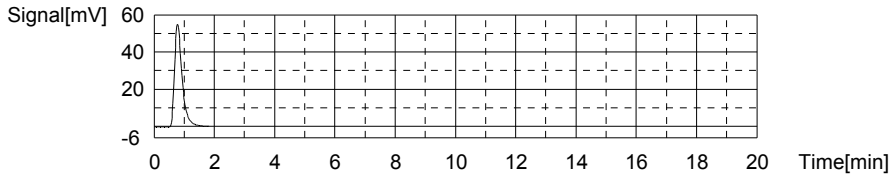
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:0.8462mg/L TC:2.570mg/L IC:1.724mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	96.29	2.570mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 09:36:12 PM

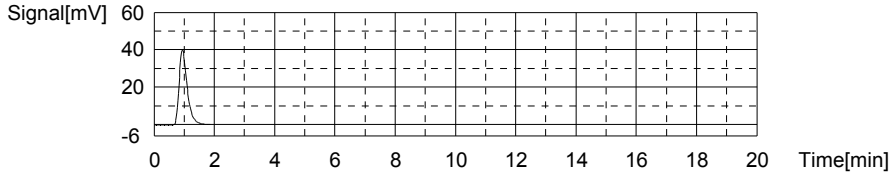
Mean Area 96.29
Mean Conc. 2.570mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	74.38	1.724mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 09:41:50 PM

Mean Area 74.38
Mean Conc. 1.724mg/L



Sample

Sample Name: CCV
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

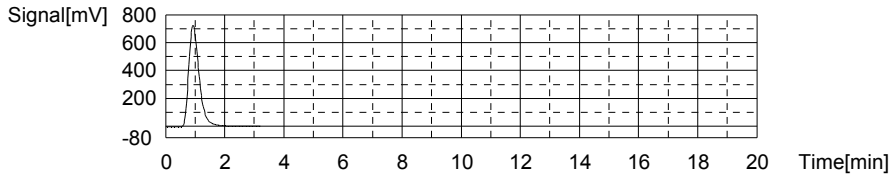
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:45.92mg/L TC:45.73mg/L IC:-0.1947mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1774	45.73mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 09:51:55 PM

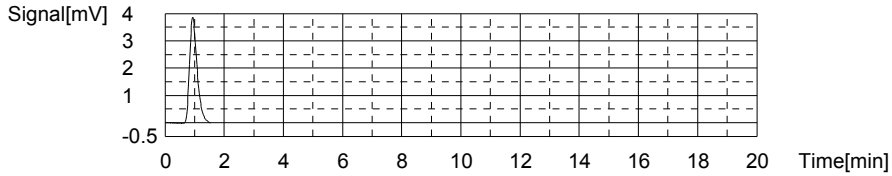
Mean Area 1774
Mean Conc. 45.73mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.924	-0.1947mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 09:57:08 PM

Mean Area 6.924
Mean Conc. -0.1947mg/L



Sample

Sample Name: CCB
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

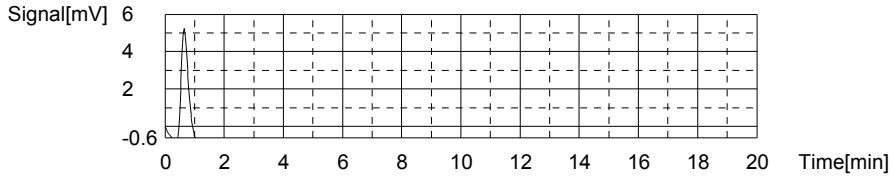
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:0.5222mg/L TC:0.3659mg/L IC:-0.1563mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.59	0.3659mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 10:02:55 PM

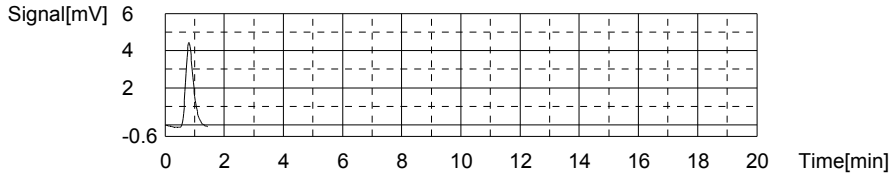
Mean Area 10.59
Mean Conc. 0.3659mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.275	-0.1563mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 10:07:20 PM

Mean Area 8.275
Mean Conc. -0.1563mg/L



Sample

Sample Name: L0708491-06 (10)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

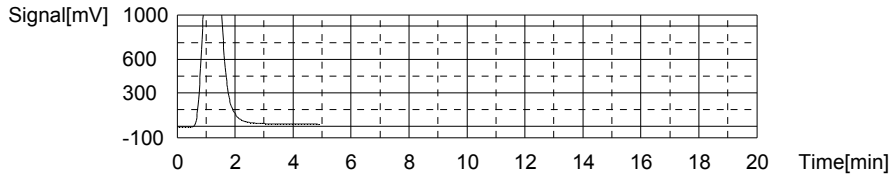
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:151.6mg/L TC:153.9mg/L IC:2.310mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5981	153.9mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 10:19:07 PM

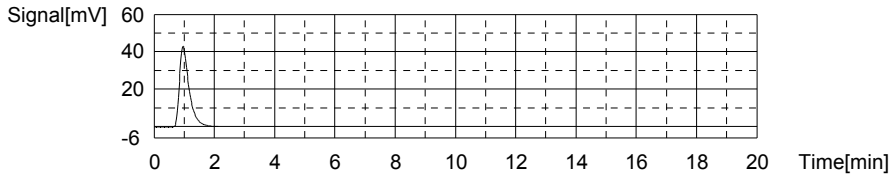
Mean Area 5981
Mean Conc. 153.9mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	94.97	2.310mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 10:25:05 PM

Mean Area 94.97
Mean Conc. 2.310mg/L



Sample

Sample Name: L0708491-07 (10)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

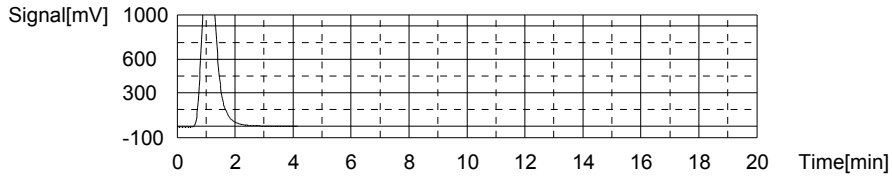
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:114.0mg/L TC:115.8mg/L IC:1.816mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4498	115.8mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 10:35:53 PM

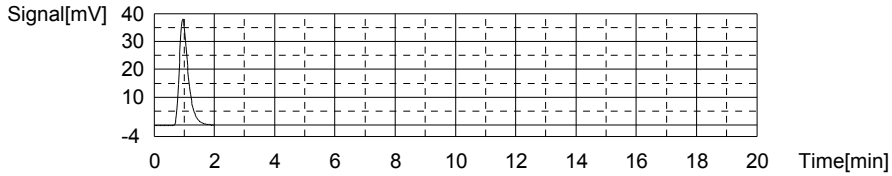
Mean Area 4498
Mean Conc. 115.8mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	77.61	1.816mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 10:41:41 PM

Mean Area 77.61
Mean Conc. 1.816mg/L



Sample

Sample Name: L0708486-01
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

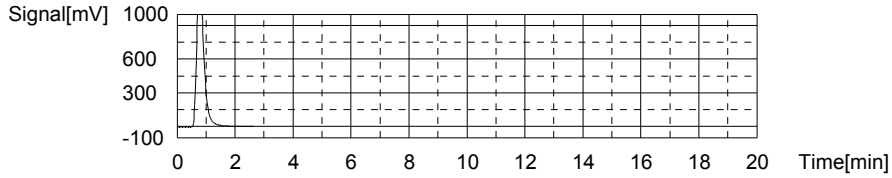
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:-3.819mg/L TC:54.19mg/L IC:58.01mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2103	54.19mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 10:51:12 PM

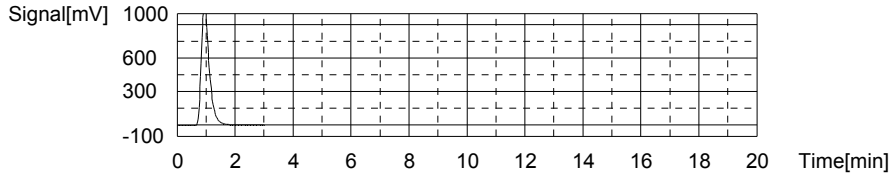
Mean Area 2103
Mean Conc. 54.19mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2053	58.01mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 10:58:38 PM

Mean Area 2053
Mean Conc. 58.01mg/L



Sample

Sample Name: L0708486-02
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

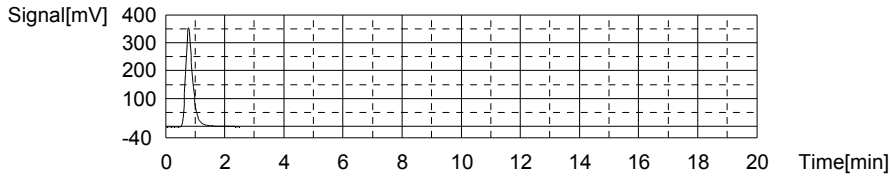
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:1.229mg/L TC:15.21mg/L IC:13.98mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	587.8	15.21mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 11:07:47 PM

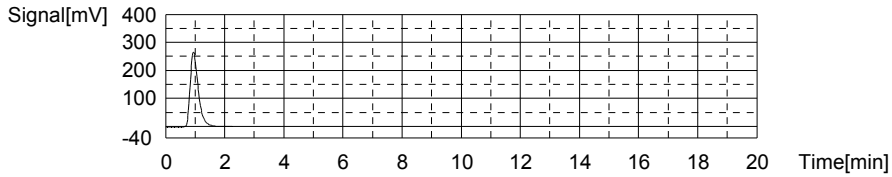
Mean Area 587.8
Mean Conc. 15.21mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	505.4	13.98mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 11:14:15 PM

Mean Area 505.4
Mean Conc. 13.98mg/L



Sample

Sample Name: L0708497-01 (10)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

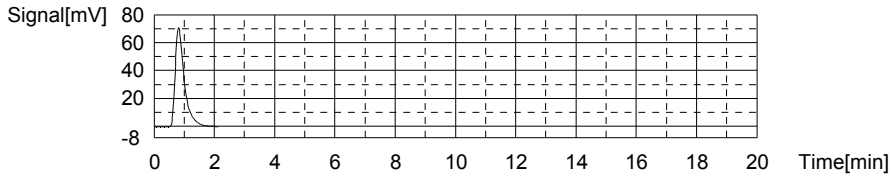
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:3.276mg/L TC:3.947mg/L IC:0.6705mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	149.8	3.947mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 11:23:01 PM

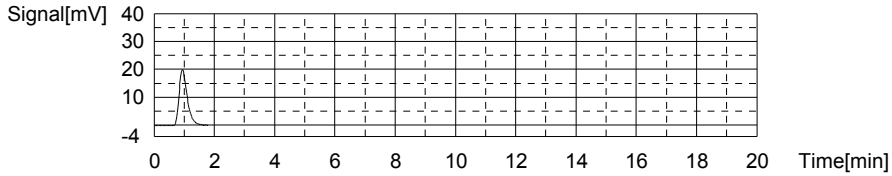
Mean Area 149.8
Mean Conc. 3.947mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	37.34	0.6705mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 11:28:37 PM

Mean Area 37.34
Mean Conc. 0.6705mg/L



Sample

Sample Name: L0708497-02 (10)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

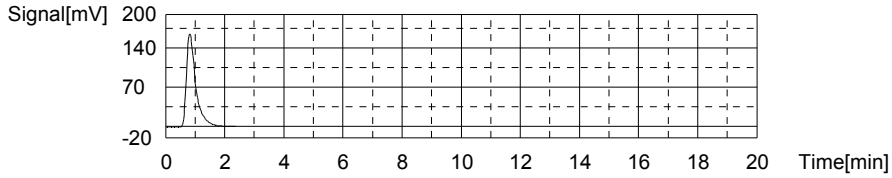
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:7.463mg/L TC:9.354mg/L IC:1.891mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	360.0	9.354mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 11:37:51 PM

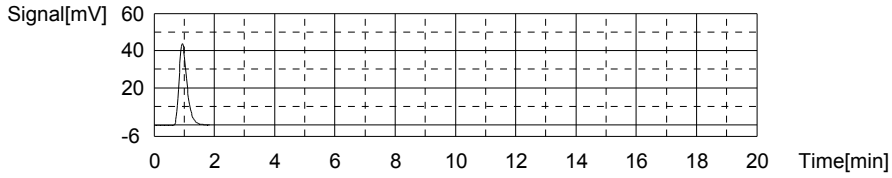
Mean Area 360.0
Mean Conc. 9.354mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	80.23	1.891mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 11:43:25 PM

Mean Area 80.23
Mean Conc. 1.891mg/L



Sample

Sample Name: L0708497-03 (10)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

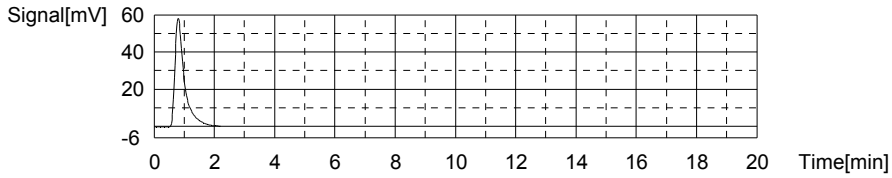
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:2.348mg/L TC:3.373mg/L IC:1.025mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	127.5	3.373mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 11:52:30 PM

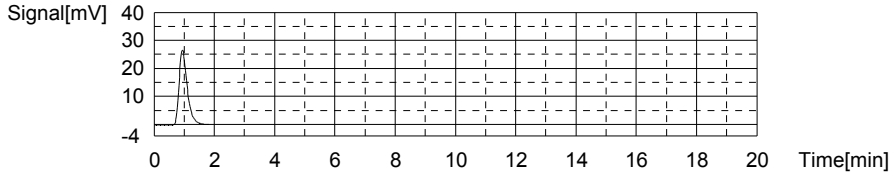
Mean Area 127.5
Mean Conc. 3.373mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	49.82	1.025mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 11:58:03 PM

Mean Area 49.82
Mean Conc. 1.025mg/L



Sample

Sample Name: L0708497-04 (10)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

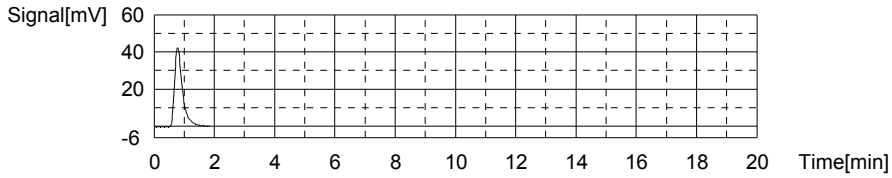
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:0.8845mg/L TC:2.087mg/L IC:1.203mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	77.52	2.087mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 12:06:47 AM

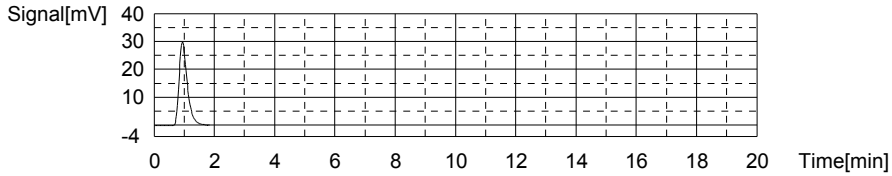
Mean Area 77.52
Mean Conc. 2.087mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	56.06	1.203mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 12:12:22 AM

Mean Area 56.06
Mean Conc. 1.203mg/L



Sample

Sample Name: WG248156-04 (10)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

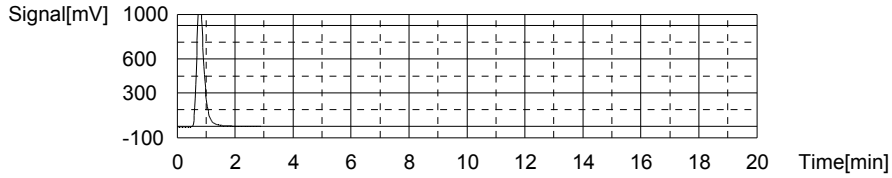
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:19.35mg/L TC:49.51mg/L IC:30.16mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1921	49.51mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 12:22:08 AM

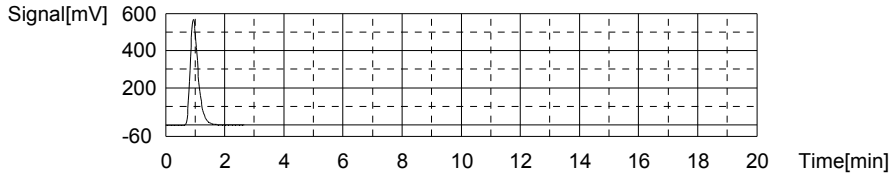
Mean Area 1921
Mean Conc. 49.51mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1074	30.16mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 12:28:59 AM

Mean Area 1074
Mean Conc. 30.16mg/L



Sample

Sample Name: WG248156-05 (10)DUP
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

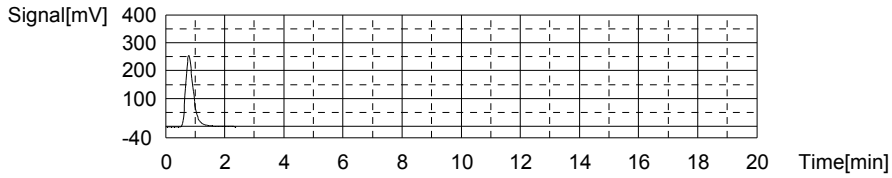
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:3.737mg/L TC:11.89mg/L IC:8.151mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	458.5	11.89mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 12:38:14 AM

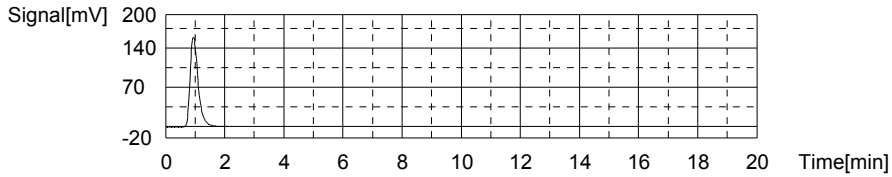
Mean Area 458.5
Mean Conc. 11.89mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	300.3	8.151mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 12:44:19 AM

Mean Area 300.3
Mean Conc. 8.151mg/L



Sample

Sample Name: CCV
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

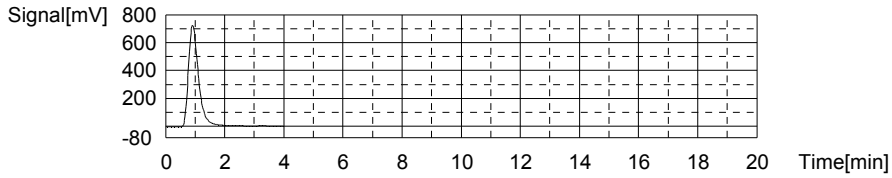
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:44.82mg/L TC:44.67mg/L IC:-0.1461mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1733	44.67mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 12:55:11 AM

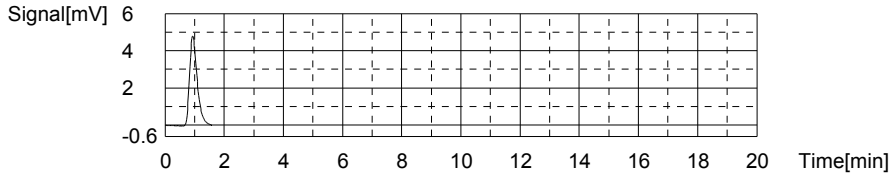
Mean Area 1733
Mean Conc. 44.67mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.632	-0.1461mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 01:00:31 AM

Mean Area 8.632
Mean Conc. -0.1461mg/L



Sample

Sample Name: CCB
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

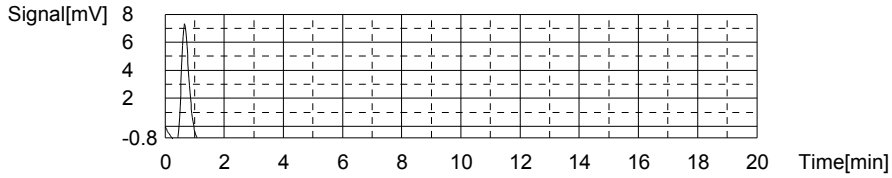
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:0.6327mg/L TC:0.4896mg/L IC:-0.1431mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	15.40	0.4896mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 01:06:21 AM

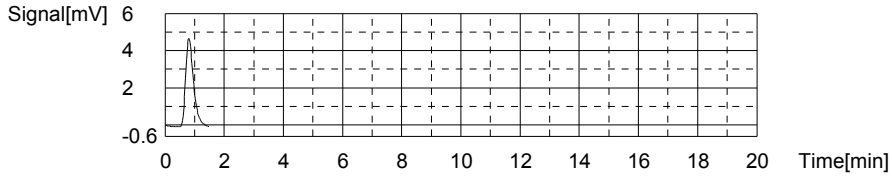
Mean Area 15.40
Mean Conc. 0.4896mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.738	-0.1431mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 01:10:49 AM

Mean Area 8.738
Mean Conc. -0.1431mg/L



Sample

Sample Name: WG248156-06 (10) MS
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

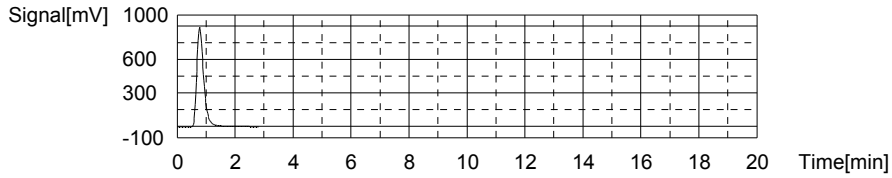
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:20.49mg/L TC:38.32mg/L IC:17.83mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1486	38.32mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 01:20:30 AM

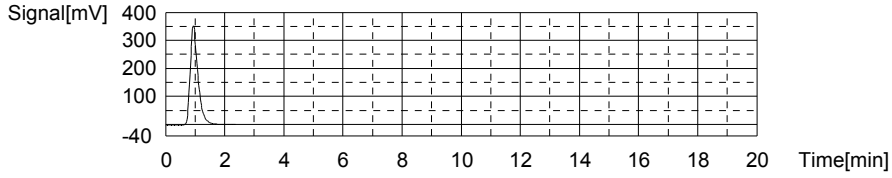
Mean Area 1486
Mean Conc. 38.32mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	640.6	17.83mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 01:27:01 AM

Mean Area 640.6
Mean Conc. 17.83mg/L



Sample

Sample Name: WG248156-07 (10) MSD
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

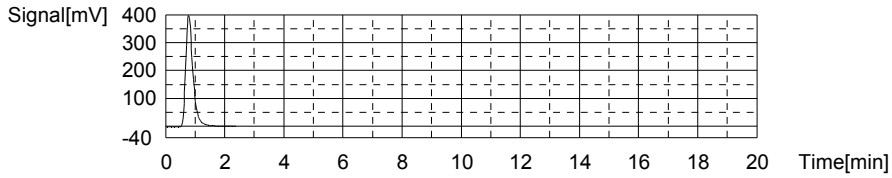
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:3.687mg/L TC:17.57mg/L IC:13.88mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	679.4	17.57mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 01:36:15 AM

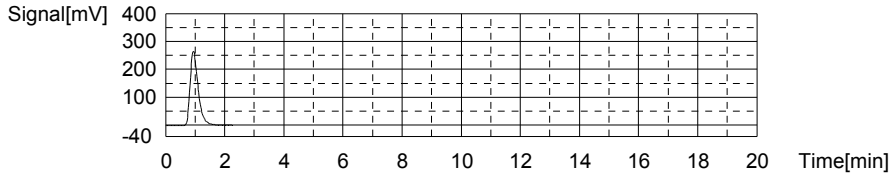
Mean Area 679.4
Mean Conc. 17.57mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	501.8	13.88mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 01:42:29 AM

Mean Area 501.8
Mean Conc. 13.88mg/L



Sample

Sample Name: L0708484-03
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

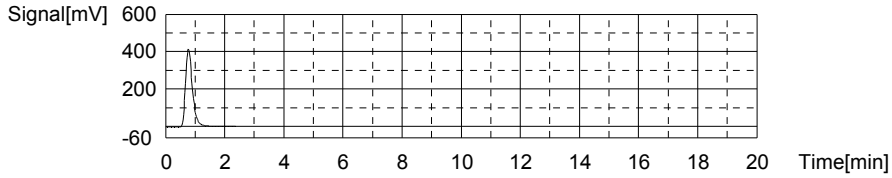
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:0.4193mg/L TC:17.46mg/L IC:17.04mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	675.0	17.46mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 01:51:44 AM

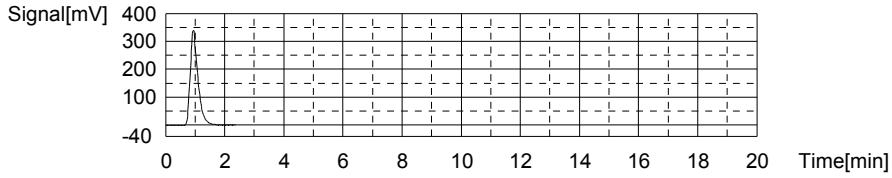
Mean Area 675.0
Mean Conc. 17.46mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	612.7	17.04mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 01:58:03 AM

Mean Area 612.7
Mean Conc. 17.04mg/L



Sample

Sample Name: L0708484-04
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

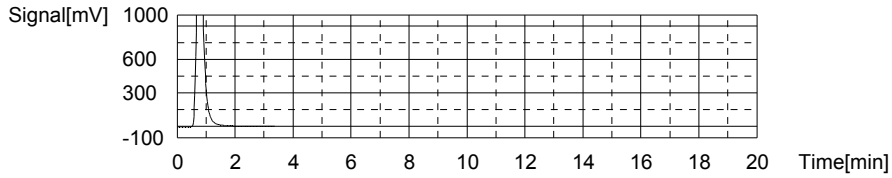
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:-11.78mg/L TC:60.57mg/L IC:72.34mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2351	60.57mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 02:08:17 AM

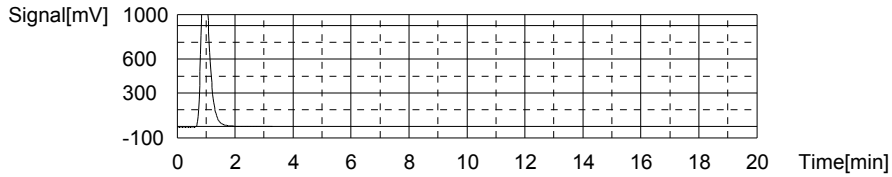
Mean Area 2351
Mean Conc. 60.57mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2557	72.34mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 02:16:12 AM

Mean Area 2557
Mean Conc. 72.34mg/L



Sample

Sample Name: L0708479-03 (3)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

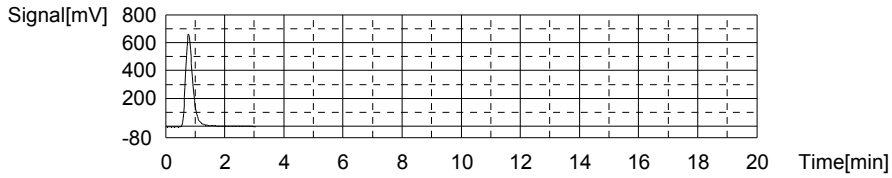
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:14.45mg/L TC:28.90mg/L IC:14.45mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1120	28.90mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 02:26:07 AM

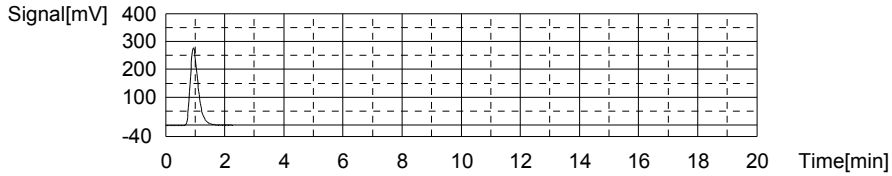
Mean Area 1120
Mean Conc. 28.90mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	521.7	14.45mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 02:32:28 AM

Mean Area 521.7
Mean Conc. 14.45mg/L



Sample

Sample Name:
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

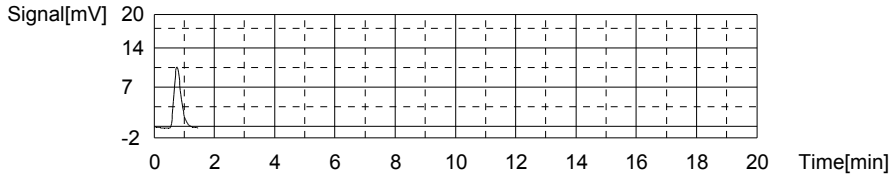
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:0.6260mg/L TC:0.5608mg/L IC:-0.06514mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	18.17	0.5608mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 02:40:48 AM

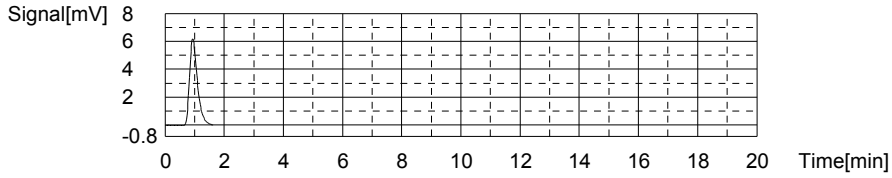
Mean Area 18.17
Mean Conc. 0.5608mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.48	-0.06514mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 02:46:12 AM

Mean Area 11.48
Mean Conc. -0.06514mg/L



Sample

Sample Name:
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

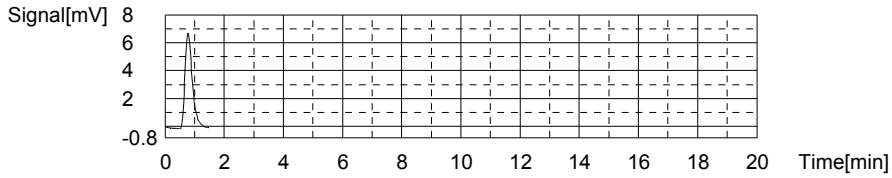
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:0.5327mg/L TC:0.3985mg/L IC:-0.1342mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.86	0.3985mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 02:54:33 AM

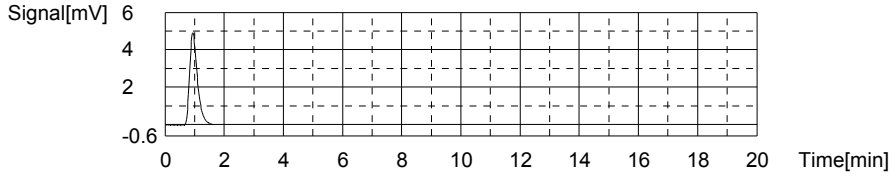
Mean Area 11.86
Mean Conc. 0.3985mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.051	-0.1342mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 02:59:52 AM

Mean Area 9.051
Mean Conc. -0.1342mg/L



Sample

Sample Name: CCV
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

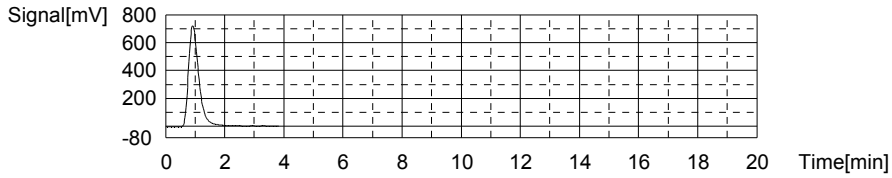
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:45.28mg/L TC:45.11mg/L IC:-0.1685mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1750	45.11mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 03:10:34 AM

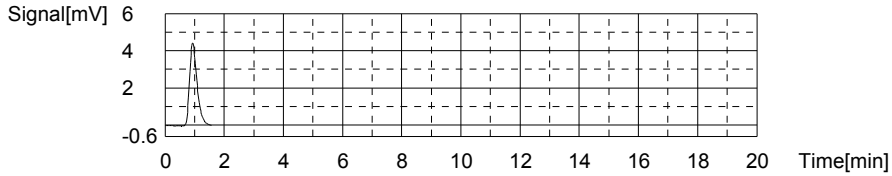
Mean Area 1750
Mean Conc. 45.11mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.848	-0.1685mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 03:15:51 AM

Mean Area 7.848
Mean Conc. -0.1685mg/L



Sample

Sample Name: CCB
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

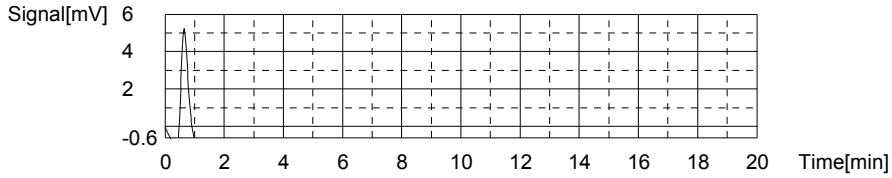
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:0.5166mg/L TC:0.3720mg/L IC:-0.1446mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.83	0.3720mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 03:21:36 AM

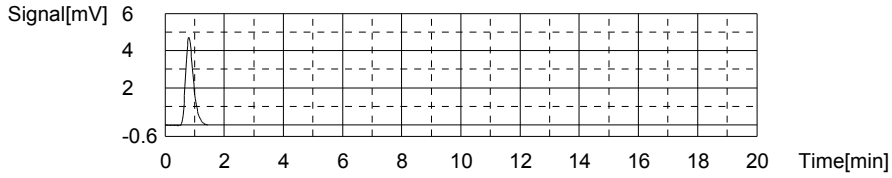
Mean Area 10.83
Mean Conc. 0.3720mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.688	-0.1446mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 03:26:05 AM

Mean Area 8.688
Mean Conc. -0.1446mg/L



WORKGROUP: WG248258

KEMRON ENVIRONMENTAL SERVICES

WG#: _____

Total Organic Carbon

MAKE DAILY

CCV (TOC): STD 20564 ($\frac{10}{200}(1000) = 50\ mg/L$) ($\frac{2}{200}(1000) = 10\ mg/L$)

LCS (TOC): STD20119 ($\frac{5}{200}(1000) = 25\ mg/L$)

CCV (TIC): STD 19753 ($\frac{5}{200}(1000) = 25\ mg/L$)

MS (TOC): 0.4/40(1000) = 10

Calibration Curve Date: 2/26/07

☑ EPA 415.1 / SM5310-C TOC / TOC-4 / TOC-D / TOCLOW
☐ SW846 9060 TOC-14 / TOC-44

SOP: K 4151 Rev. 11

Instrument: Shimadza TOC-VWP/ASI

☑ drain reservoir filled
☐ ASI water bottle full
☑ dilution water bottle full

DAILY CHECK

☑ 3rd bottle full
☑ sufficient gas
☑ sufficient persulfate

☑ sufficient acid
☐ waste container

Position	Sample ID	Dilution
1	CCV 50	
2	CCV 10	
3	TIC 25	
4	BLK	
5	LCS 25	
6	LCSDUP	
7	08-491-06	1/50
8	07	1/50
9	08-486-01	1/2
10	08-482-01	1/20
11	DUP 01	↓
12	MS 03	↓
13	MSD 05	↓
14	08-484-04	1/3
15	CCV	
16	CCB	
17		
18		
19		
20		
21		
22		
23		
24		
25		

Position	Sample ID	Dilution
26		
27		
28		
29		
30		
31		
32		
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50		

Position	Sample ID	Dilution
51		
52		
53		
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75		

Analyst: Joann Peson Date: 8/21/07 Time: _____

DCN#70649

	Analysi	Sample Name	Result	Status	Date / Time	Vial
1	TOC	CCV 50	!!Error!! TOC:46.81mg/L TC:46.60mg/L IC:-0.2140	Compl	08/21/2007 09:37:45 AM	1
2	TOC	CCV 10	!!Error!! TOC:9.461mg/L TC:9.238mg/L IC:-0.2227	Compl	08/21/2007 09:52:14 AM	2
3	TOC	TIC 25	!!Error!! TOC:-2.623mg/L TC:21.45mg/L IC:24.07m	Compl	08/21/2007 10:07:49 AM	3
4	TOC	WG248258-01 BLANK	!!Error!! TOC:0.5124mg/L TC:0.3433mg/L IC:-0.169	Compl	08/21/2007 10:18:06 AM	0
5	TOC	WG248258-02 LCS	!!Error!! TOC:22.75mg/L TC:22.54mg/L IC:-0.2040	Compl	08/21/2007 10:32:26 AM	5
6	TOC	WG248258-03 LCSDUP	!!Error!! TOC:22.45mg/L TC:22.25mg/L IC:-0.2029	Compl	08/21/2007 10:46:49 AM	6
7	TOC	L0708491-06 (50)	TOC:47.18mg/L TC:48.22mg/L IC:1.039mg/L	Compl	08/21/2007 11:24:12 AM	7
8	TOC	L0708491-07 (50)	TOC:28.83mg/L TC:29.70mg/L IC:0.8716mg/L	Compl	08/21/2007 11:39:14 AM	8
9	TOC	L0708486-01 (2)	!!Error!! TOC:-0.8544mg/L TC:45.26mg/L IC:46.12	Compl	08/21/2007 11:55:28 AM	9
10	TOC	L0708482-01 (20)	TOC:1.698mg/L TC:11.08mg/L IC:9.379mg/L	Compl	08/21/2007 12:10:27 PM	10
11	TOC	WG248258-05 (20) DUP	TOC:1.271mg/L TC:10.73mg/L IC:9.459mg/L	Compl	08/21/2007 12:25:18 PM	11
12	TOC	L0708482-03 (20) MS	TOC:4.076mg/L TC:15.08mg/L IC:11.00mg/L	Compl	08/21/2007 12:40:21 PM	12
13	TOC	L0708248-05 (20) MSD	TOC:1.665mg/L TC:9.397mg/L IC:7.732mg/L	Compl	08/21/2007 12:55:03 PM	13
14	TOC	L0708484-04 (3)	!!Error!! TOC:-2.255mg/L TC:29.47mg/L IC:31.72m	Compl	08/21/2007 01:11:00 PM	14
15	TOC	CCV	!!Error!! TOC:46.20mg/L TC:46.03mg/L IC:-0.1664	Compl	08/21/2007 01:25:42 PM	15
16	TOC	CCB	!!Error!! TOC:0.4820mg/L TC:0.2937mg/L IC:-0.188	Compl	08/21/2007 01:35:54 PM	0

Instr.Information

System TOCVW ASI
Detector Wet Chemical

Sample

Sample Name: CCV 50
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

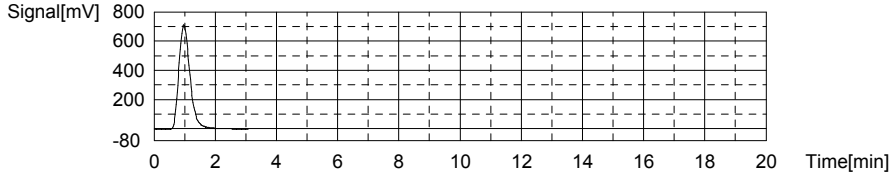
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:46.81mg/L TC:46.60mg/L IC:-0.2140mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1808	46.60mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 09:32:23 AM

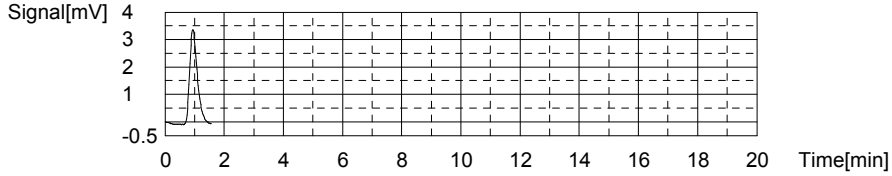
Mean Area 1808
Mean Conc. 46.60mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.246	-0.2140mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 09:37:45 AM

Mean Area 6.246
Mean Conc. -0.2140mg/L



Sample

Sample Name: CCV 10
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

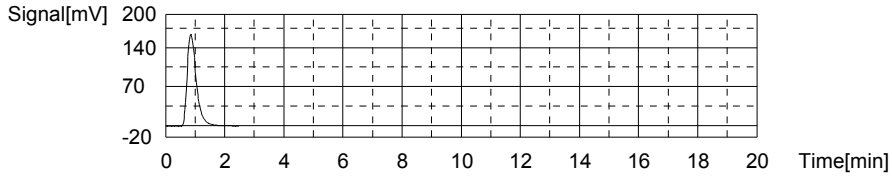
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:9.461mg/L TC:9.238mg/L IC:-0.2227mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	355.5	9.238mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 09:47:03 AM

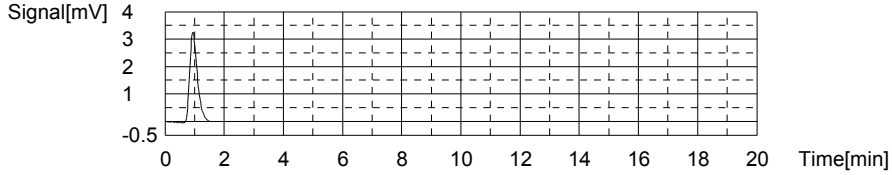
Mean Area 355.5
Mean Conc. 9.238mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.941	-0.2227mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 09:52:14 AM

Mean Area 5.941
Mean Conc. -0.2227mg/L



Sample

Sample Name: TIC 25
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

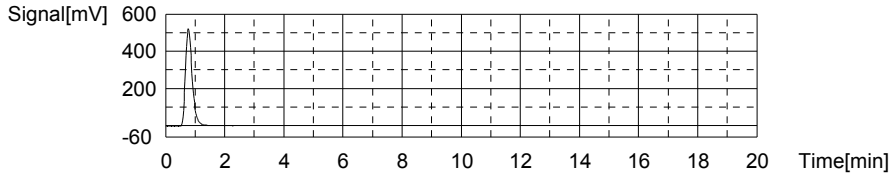
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:-2.623mg/L TC:21.45mg/L IC:24.07mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	830.3	21.45mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 10:01:08 AM

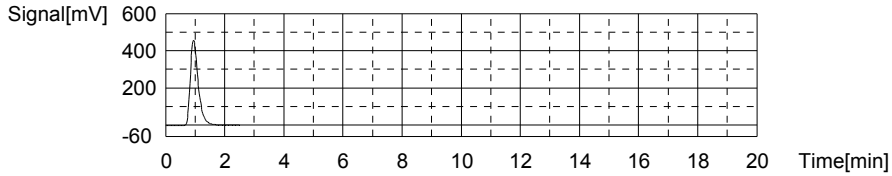
Mean Area 830.3
Mean Conc. 21.45mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	860.1	24.07mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 10:07:49 AM

Mean Area 860.1
Mean Conc. 24.07mg/L



Sample

Sample Name: WG248258-01 BLANK
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

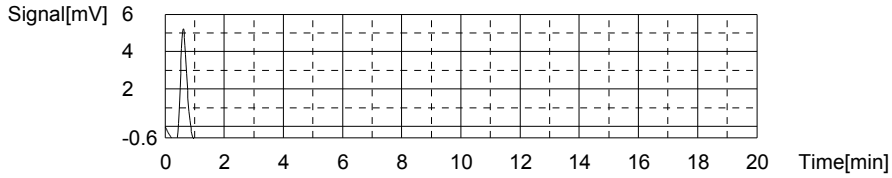
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:0.5124mg/L TC:0.3433mg/L IC:-0.1691mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.715	0.3433mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 10:13:35 AM

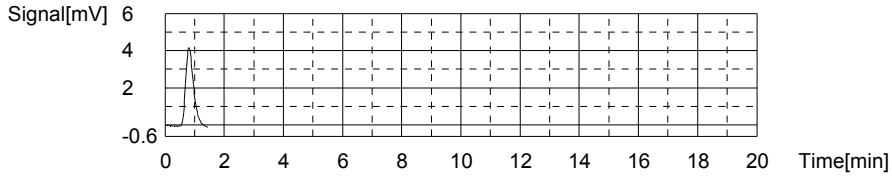
Mean Area 9.715
Mean Conc. 0.3433mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.825	-0.1691mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 10:18:06 AM

Mean Area 7.825
Mean Conc. -0.1691mg/L



Sample

Sample Name: WG248258-02 LCS
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

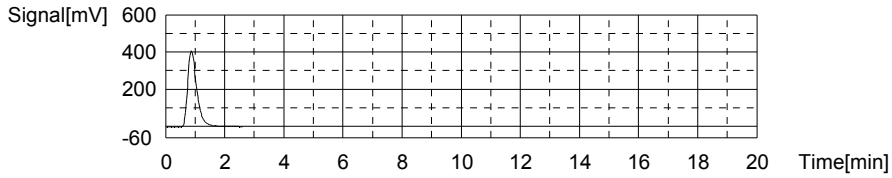
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:22.75mg/L TC:22.54mg/L IC:-0.2040mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	872.8	22.54mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 10:27:18 AM

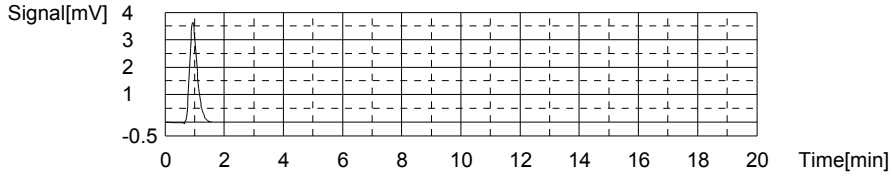
Mean Area 872.8
Mean Conc. 22.54mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.599	-0.2040mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 10:32:26 AM

Mean Area 6.599
Mean Conc. -0.2040mg/L



Sample

Sample Name: WG248258-03 LCSDUP
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

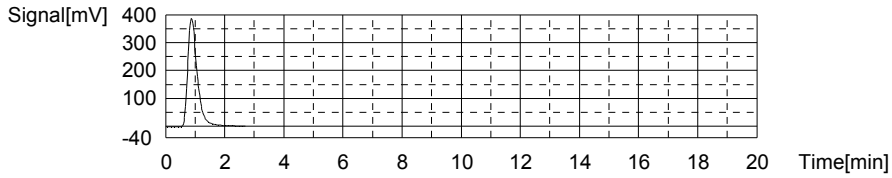
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:22.45mg/L TC:22.25mg/L IC:-0.2029mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	861.3	22.25mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 10:41:44 AM

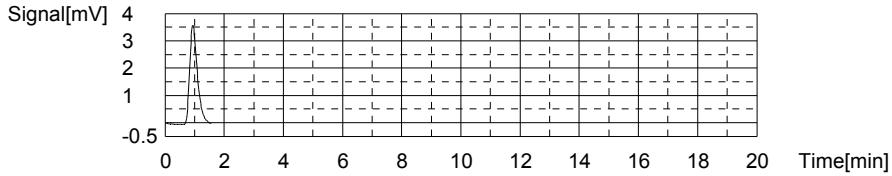
Mean Area 861.3
Mean Conc. 22.25mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.636	-0.2029mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 10:46:49 AM

Mean Area 6.636
Mean Conc. -0.2029mg/L



Sample

Sample Name: L0708491-06 (50)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

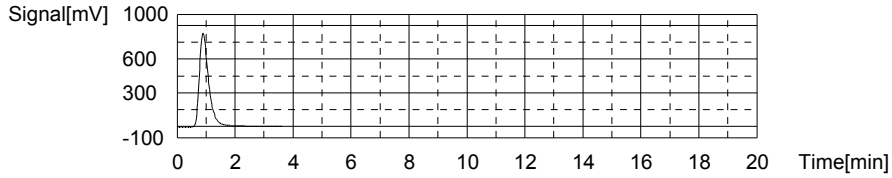
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:47.18mg/L TC:48.22mg/L IC:1.039mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1871	48.22mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 11:16:24 AM

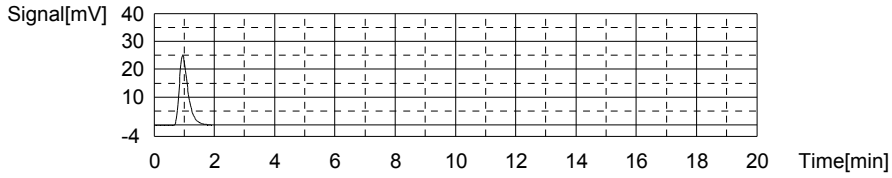
Mean Area 1871
Mean Conc. 48.22mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	50.30	1.039mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 11:24:12 AM

Mean Area 50.30
Mean Conc. 1.039mg/L



Sample

Sample Name: L0708491-07 (50)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

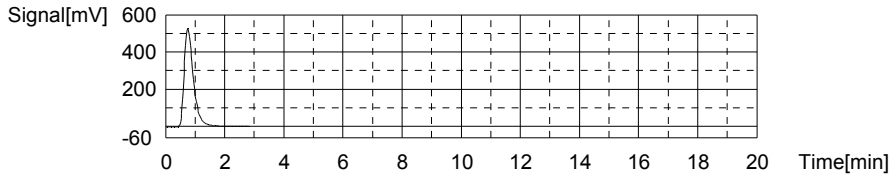
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:28.83mg/L TC:29.70mg/L IC:0.8716mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1151	29.70mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 11:33:52 AM

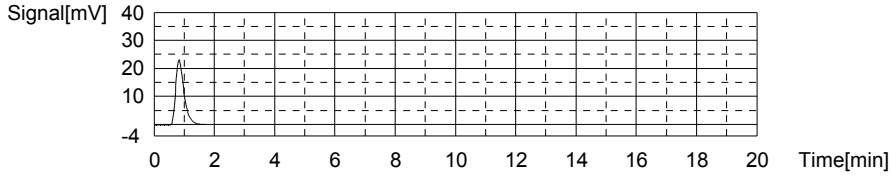
Mean Area 1151
Mean Conc. 29.70mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	44.41	0.8716mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 11:39:14 AM

Mean Area 44.41
Mean Conc. 0.8716mg/L



Sample

Sample Name: L0708486-01 (2)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

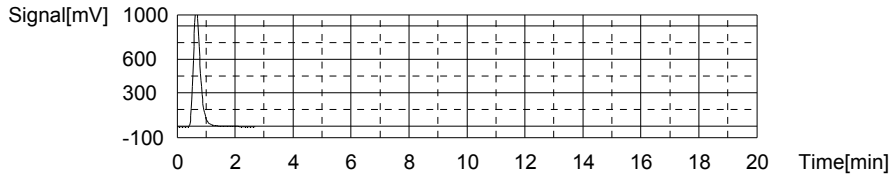
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:-0.8544mg/L TC:45.26mg/L IC:46.12mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1756	45.26mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 11:48:38 AM

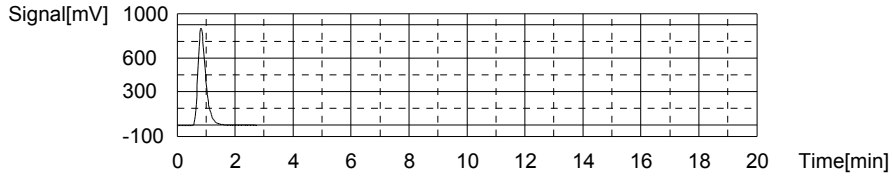
Mean Area 1756
Mean Conc. 45.26mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1635	46.12mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 11:55:28 AM

Mean Area 1635
Mean Conc. 46.12mg/L



Sample

Sample Name: L0708482-01 (20)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

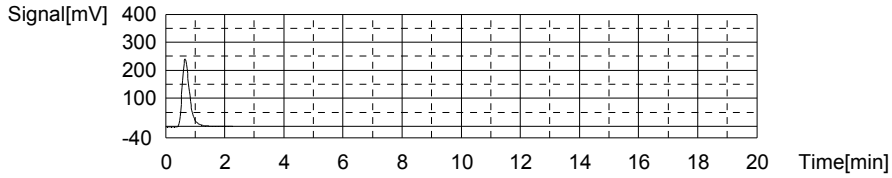
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:1.698mg/L TC:11.08mg/L IC:9.379mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	427.0	11.08mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 12:04:28 PM

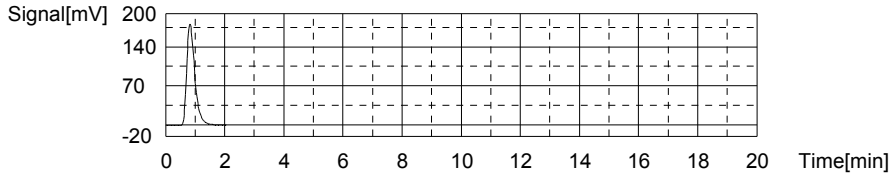
Mean Area 427.0
Mean Conc. 11.08mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	343.5	9.379mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 12:10:27 PM

Mean Area 343.5
Mean Conc. 9.379mg/L



Sample

Sample Name: WG248258-05 (20) DUP
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

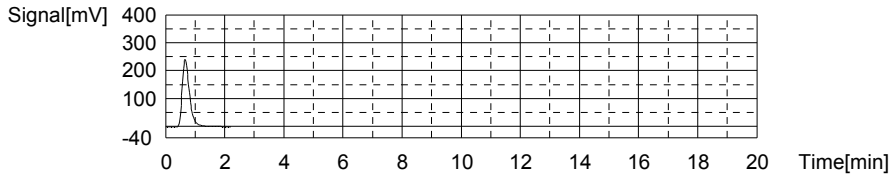
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:1.271mg/L TC:10.73mg/L IC:9.459mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	413.5	10.73mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 12:19:16 PM

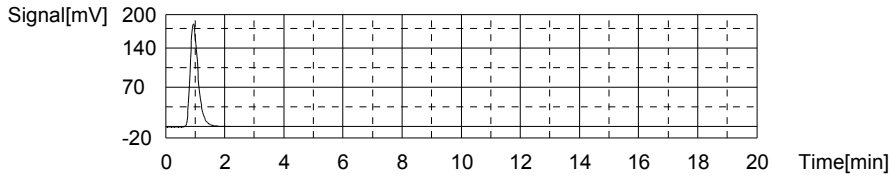
Mean Area 413.5
Mean Conc. 10.73mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	346.3	9.459mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 12:25:18 PM

Mean Area 346.3
Mean Conc. 9.459mg/L



Sample

Sample Name: L0708482-03 (20) MS
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

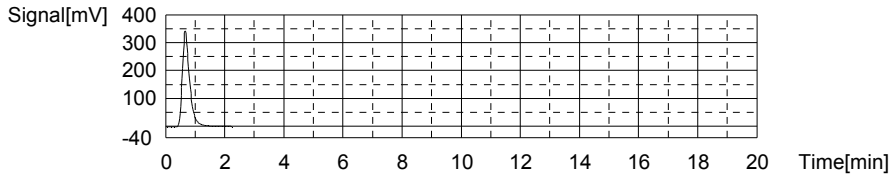
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:4.076mg/L TC:15.08mg/L IC:11.00mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	582.5	15.08mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 12:34:17 PM

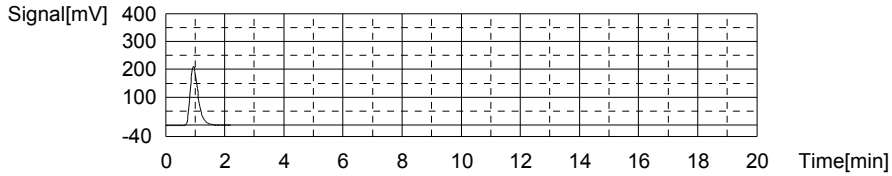
Mean Area 582.5
Mean Conc. 15.08mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	400.5	11.00mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 12:40:21 PM

Mean Area 400.5
Mean Conc. 11.00mg/L



Sample

Sample Name: L0708248-05 (20) MSD
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

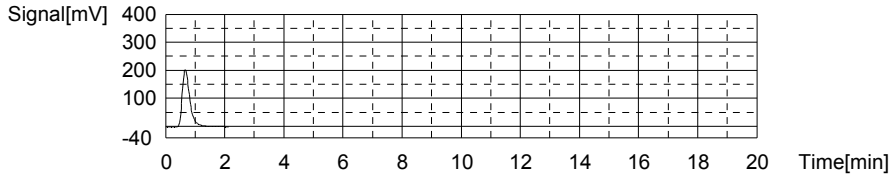
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:1.665mg/L TC:9.397mg/L IC:7.732mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	361.7	9.397mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 12:49:11 PM

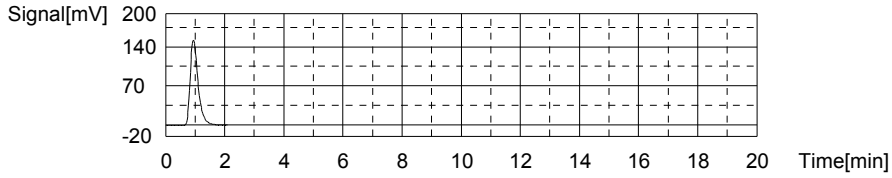
Mean Area 361.7
Mean Conc. 9.397mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	285.6	7.732mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 12:55:03 PM

Mean Area 285.6
Mean Conc. 7.732mg/L



Sample

Sample Name: L0708484-04 (3)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

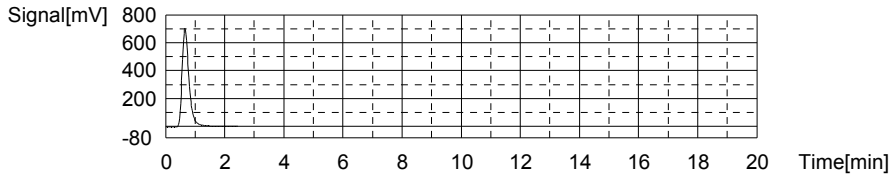
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:-2.255mg/L TC:29.47mg/L IC:31.72mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1142	29.47mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 01:04:06 PM

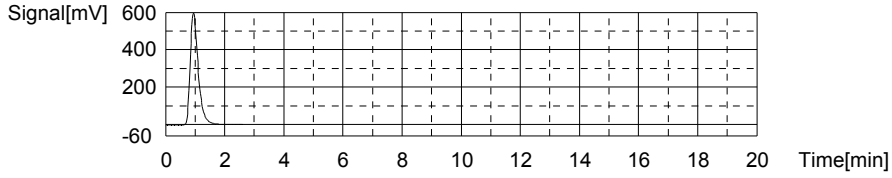
Mean Area 1142
Mean Conc. 29.47mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1129	31.72mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 01:11:00 PM

Mean Area 1129
Mean Conc. 31.72mg/L



Sample

Sample Name: CCV
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

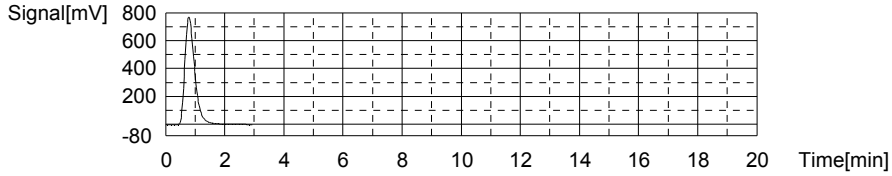
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:46.20mg/L TC:46.03mg/L IC:-0.1664mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1786	46.03mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 01:20:31 PM

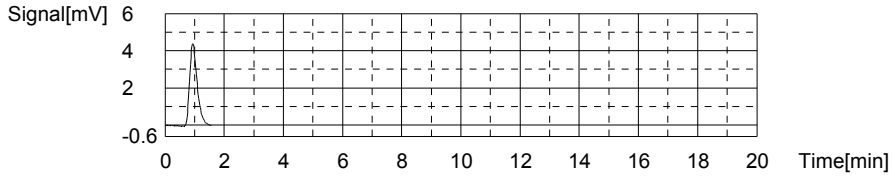
Mean Area 1786
Mean Conc. 46.03mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.920	-0.1664mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 01:25:42 PM

Mean Area 7.920
Mean Conc. -0.1664mg/L



Sample

Sample Name: CCB
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

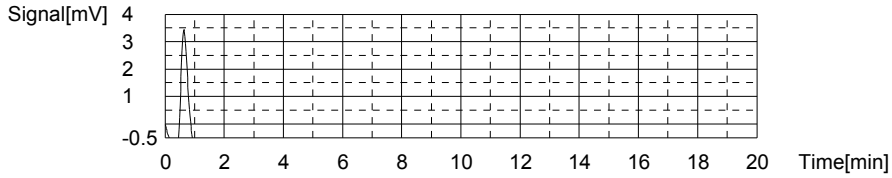
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:0.4820mg/L TC:0.2937mg/L IC:-0.1883mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.784	0.2937mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 01:31:27 PM

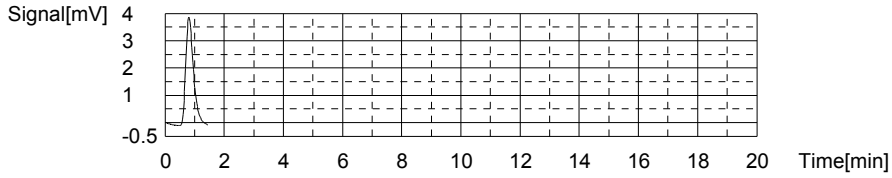
Mean Area 7.784
Mean Conc. 0.2937mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.149	-0.1883mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 01:35:54 PM

Mean Area 7.149
Mean Conc. -0.1883mg/L



3.0 Attachments

Kemron Environmental Services
Analyst Listing
August 31, 2007

AJF - AMANDA J. FICKIESEN
AJM - ANTHONY J. MOSSBURG
ALB - ANNIE L. BOCK
ARA - ADRIAN R. ACHTERMANN
ASP - AARON S. PETRIE
BRG - BRENDA R. GREGORY
CAA - CASSIE A. AUGENSTEIN
CAF - CHERYL A. FLOWERS
CEB - CHAD E. BARNES
CLC - CHRYS L. CRAWFORD
CLS - CARA L. STRICKLER
CLW - CHARISSA L. WINTERS
CM - CHARLIE MARTIN
CMS - CRYSTAL M. STEPHENS
CPD - CHAD P. DAVIS
CSH - CHRIS S. HILL
DD - DIANE M. DENNIS
DDE - DEBRA D. ELLIOTT
DEL - DON E. LIGHTFRITZ
DEV - DAVID E. VANDENBERG
DGB - DOUGLAS G. BUTCHER
DIH - DEANNA I. HESSON
DLB - DAVID L. BUMGARNER
DLP - DOROTHY L. PAYNE
DLR - DIANNA L. RAUCH
DR - DEANNA ROBERTS
DRP - DAVE R. PITZER
DSF - DEBRA S. FREDERICK
DST - DENNIS S. TEPE
ECL - ERIC C. LAWSON
ED - EMILY E. DECKER
ERE - ERIN R. ELDER
FJB - FRANCES J. BOLDEN
HAV - HEMA VILASAGAR
HJR - HOLLY J. REED
JAB - JUANITA A. BECKER
JAL - JOHN A. LENT
JCO - JOE C. OWENS
JDH - JUSTIN D. HESSON
JKP - JACQUELINE K. PARSONS
JKT - JANE K. THOMPSON
JWR - JOHN W. RICHARDS
JWS - JACK W. SHEAVES
JYH - JI Y. HU
KCZ - KEVIN C. ZUMBRO
KEB - KATHRYN E. BARNES
KHR - KIM H. RHODES
KJW - KATIE J. WIEFERICH
KRA - KATHY R. ALBERTSON
KRV - KATHRINE R. VICKERS
LKN - LINDA K. NEDEFF
LSB - LESLIE S. BUCINA
MDA - MIKE D. ALBERTSON
MDC - MICHAEL D. COCHRAN
MES - MARY E. SCHILLING
MKZ - MARILYN K. ZUMBRO
MLR - MARY L. ROCHOTTE
MMB - MAREN M. BEERY
MRT - MICHELLE R. TAYLOR
MSW - MATT S. WILSON
NJB - NATALIE J. BOOTH
PJM - PAUL J. MILLER
RAH - ROY A. HALSTEAD
RB - ROBERT BUCHANAN
REK - ROBERT E. KYER
RLK - ROBIN L. KLINGER
RNP - RICK N. PETTY
RWC - RODNEY W. CAMPBELL
SLM - STEPHANIE L. MOSSBURG
SLP - SHERI L. PFALZGRAF
SMH - SHAUNA M. HYDE
TDH - TRICIA D. HUCK
TMB - TIFFANY M. BAILEY
TMM - TAMMY M. MORRIS
VC - VICKI COLLIER
WFM - WALTER F. MARTIN

KEMRON Environmental Services

List of Valid Qualifiers

August 31, 2007

Qualkey: DOD

Qualifier	Description
B	Analyte present in method blank
J	Estimated ; the analyte concentration was greater than the highest standard
J	Estimated ; the analyte concentration was less than the low standard (LOQ)
J	Estimated concentration; sample matrix interference
N	Nontarget analyte; the analyte is a tentativlely identified compound (TIC) by GC/MS
Q	Fails to meet quality control criteria
U	Analyte was not detected. The concentration is at or below the reported MDL.
U	Undetected; the analyte was analyzed for, but not detected.
UJ	Undetected; the analyte was analyzed for, but not detected.
UQ	Undetected; the analyte was analyzed for, but not detected.

*****Special Notes for Organic Analytes**

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound an are matrix dependent.

PEL Laboratories, Inc.

Chain of Custody Record
Record/Work Request

Kemron

4420 Pendola Point Road
Tampa, Florida 33619
(813) 247-2805 • Fax: (813) 248-1537
E-Mail: login@Pelab.com

Company: PEL

Address:

Phone: Fax:

Project Name/Number: 2507372 (CHZM/NTC Orlando OU-2)

Project Manager: Darcy Weisman

Purchase Order:

Page of

DEP Form #: 62-770.900(2)
Form Title: Chain of Custody Record
Effective Date: September 23, 1997
FDEP Facility No.
Project Name:
Sampling CompQAP No:
Approval Date:

Print Names(s) / Affiliation

Sampler(s) Signature(s)

Preservatives (see codes)

Analyses Requested

REQUESTED DUE DATE 8/29/07

Item No.	Field ID No.	Sampled Date	Sampled Time	Grab or Composite	Matrix (see codes)	Number of Containers	Alkalinity	TOC	TDS						Remarks	Lab. No.
	T005MW40A	8/15/07	1340		W	3	X	X	X						2507372-01	
	T005MW40AMS	8/15/07	1340	(MS)	W	1		X							-02	
	T005MW40AMSD	8/15/07	1340	(MSD)	W	1		X							-03	
	T005MW40B	8/15/07	1415		W	3	X	X	X						-04	
	T005FD02	8/15/07	—		W	3	X	X	X						-05	
	T005IW2A	8/15/07	1632		W	2	X	X							-06	
	T005IW2B	8/15/07	1630		W	2	X	X							-07	

Shipment Method

← Total Number of Containers

Out: / /	Via:	Item Nos.	Relinquished by / Affiliations	Date	Time	Accepted by / Affiliation	Date	Time
Returned: / /	Via.		[illegible]	8/16/07	1555	Erin Elder	8-17-07	1000
Additional Comments:								
Level III + EDD								

Cooler No. (s) / Temperature(s) (C)	Sampling Kit No.	Equipment ID No.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify)

PRESERVATION CODES: H-Hydrochloric acid + ice I = Ice only N = Nitric acid + ice S = Sulfuric acid + ice O = Other (specify)

CH2MHILL Constructors, Inc.

115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

2507372 EC

[1] COC NUMBER: **OU20807-PEL-1**

[2] PROJECT NAME:	[5] PROJECT NUMBER:	[8] LAB NAME AND CONTACT:	[11] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No. , and Fax No.):
NTC Orlando	283383.10.10	Darcy Weisman/ PEL labs	Kama White CH2M Hill CCI	North Park 400, 1000 Abenathy Rd, Suite 1600 Atlanta Ga. 30328
[3] PROJECT PHASE/SITE/TASK:	[6] CTO OR DO NUMBER:	[9] LAB PO NUMBER:	[12] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No. , and Fax No.):
OU-2	TO-05	808799		
[4] PROJECT CONTACT:	[7] PROJECT TEL NO AND FAX NO:	[10] LAB TEL NO AND FAX NO:	[13] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No. , and Fax No.):
Bethany Garvey	770-604-9182	813-247-2085		

[23] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SOP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	VOC's 8260B	ALk alinity	TOC	TRPH	Metals, Na	TDS				[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	TO05MW40A	OLD-OU2-40A	W	8/15/7	1340	C	14	3	1	1	1	1	1				N	Post injection sampling	01
2	TO05MW40AMS	Matrix Spike	W	8/15/7	1340	C	14	3		1	1	1					M		02
3	TO05MW40AMSD	Matrix Spike Dupe	W	8/15/7	1340	C	14	3		1	1	1					MSD		03
4	TO05MW40B	OLD-OU2-40B	W	8/15/7	1415	C	14	3	1	1	1	1	1				N		04
5	TO05FD02	Field dupe	W	8/15/7	—	C	14	3	1	1	1	1	1				FD		05
6	~~TO05MW48A~~	~~OLD-OU2-48A~~	~~W~~			~~C~~	~~14~~		~~1~~	~~1~~							~~N~~	not collected	MS 8/15/7
7	~~TO05MW48B~~	~~OLD-OU2-48B~~	~~W~~			~~C~~	~~14~~		~~1~~	~~1~~							~~N~~	not collected	MS 8/15/7
8	~~TO05MW44A~~	~~OLD-OU2-44A~~	~~W~~			~~C~~	~~14~~		~~1~~	~~1~~							~~N~~	Please note New Mailing Address. not collected	
9	~~TO05MW44B~~	~~OLD-OU2-44B~~	~~W~~			~~C~~	~~14~~		~~1~~	~~1~~							~~N~~	not collected	MS 8/15/7
10	TO05IW2A	OLD-OU2-IW2A	W	8/15/7	1632	C	14		1	1							N	Caution samples maybe high VOC's	06

[29] SAMPLER(S) AND COMPANY: (please print)
Mark Stinnett, Sara Vaughn CH2M hill

[30] COURIER AND SHIPPING NUMBER:
8604 2607 9609 FedEx

[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):
TOC, Alkalinity, TDS so Spectrum
(cc's 0.3°C, pH<2 8260B, 6010, FURO)

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature: Mark Stinnett	8/15/7	1845	Printed Name and Signature: [illegible] PEL	8/16/07	1020
Printed Name and Signature:			Printed Name and Signature: Erin Elder	~~8-16-07~~ 8-17-07 EC	1000
Printed Name and Signature:			Printed Name and Signature:		

Distribution: [ ] Original - Laboratory (To be returned with Analytical Report); [ ] Copy 1 - Project File; [ ] Copy 2 - PMO

Form CC1001, Rev 06/00

CH2MHILL Constructors, Inc.
115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

2507372 KC

[1] COC NUMBER: OU2060807-2

[2] PROJECT NAME:	[5] PROJECT NUMBER:	[8] LAB NAME AND CONTACT:	[11] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No. , and Fax No.):
NTC Orlando	283383.10.10	Darcy Weisman/ PEL labs	Kama White CH2M Hill CCI	North Park 400, 1000 Abenathy Rd, Suite 1600 Atlanta Ga. 30328
[3] PROJECT PHASE/SITE/TASK:	[6] CTO OR DO NUMBER:	[9] LAB PO NUMBER:	[12] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No. , and Fax No.):
OU-2	TO-05	808799		
[4] PROJECT CONTACT:	[7] PROJECT TEL NO AND FAX NO:	[10] LAB TEL NO AND FAX NO:	[13] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No. , and Fax No.):
Bethany Garvey	770-604-9182	813-247-2085		

[23] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SOP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	VOC's 8260B	TOC	ALKalinity								[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	TO05IW2B	OLD-OU2-IW2B	W	8/15/7	1630	C	14		1	1								N	Post injection sampling	07
2	TO05EB1	Equipment BLK	W	8/15/7	1705	C	14	3										EB		08
3	TO05TB1	Trip Blk	W	8/15/7	—	C	14	1										TB		09
4																				
5																				
6																				
7																				
8																			Please note New Mailing Address.	
9																				
10																				

[29] SAMPLER(S) AND COMPANY: (please print)
Mark Stinnett, Sara Vaughn CH2M hill

[30] COURIER AND SHIPPING NUMBER:
8604 2607 9609 Fedex

[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):
TOC, Alkalinity, TDS to Spectrum
rec'd @ 3.9C, pH <2 (8260 (HCL, PPRO)

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature: Mark Stinnett	8/15/7	1845h	Printed Name and Signature: [illegible]	8/16/07	1020
Printed Name and Signature:			Printed Name and Signature: Brian Elder 8-17-07	1000	
Printed Name and Signature:			Printed Name and Signature:		

Form C Clu

KEMRON Environmental Services

SAMPLE RECEIPT FORM

156 Starlite Drive
Marietta, OH 45750
(740) 373-4071

Client:	PEI
Workorder Number:	B
Date Received:	8-17-07
Delivered by:	(✓) Fedx ( ) UPS ( ) Client ( ) Courier Time: 1000
Opened by:	EC
IR Temp Gun:	( ) D (✓) G
Logged by:	L 8-491

Cooler information

Cooler ID	Temp C	Airbill#	COC#	Other
1691	0	6726618547216		WATERS

Inspection Checklist	Y	N	NA	Discrepancy ID
Were shipping coolers sealed?	✓			
Were custody seals intact?	✓			
Were cooler temperatures in range of 0 - 6?	✓			
Was ice present?	✓			
Were COC's received/information complete/signed/dated?	✓			
Were sample containers and labels intact?	✓			
Were correct containers used?	✓			
Were correct preservatives used (water only)?		✓		(1)
Were pH ranges acceptable?			✓	
Were VOA samples free of headspace?				
Were samples received within EPA hold times?	✓			

Discrepancy/Comments/Other Problems

(1) TOC HAVE HCl in Ehme SHOULD HAVE H_2SO_4

Distribution

Name of KEMRON representative
Client/Company:
Person Contacted:
Date contacted:

Resolution/other comments:

KEMRON Environmental Services
Internal Chain of Custody Report

Login: L0708491
Account: 2921
Project: 2921.001
Samples: 7
Due Date: 24-AUG-2007

Samplenum	Container ID	Products
L0708491-06	366140	TOC

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-AUG-2007 14:48	BRG	
2	ANALYZ	W1	WET	20-AUG-2007 11:25	DIH	ERE
3	STORE	WET	W1	20-AUG-2007 15:45	ERE	DIH
4	ANALYZ	A2	WET	21-AUG-2007 08:07	DIH	ERE
5	STORE	WET	A2	22-AUG-2007 07:58	ERE	DIH

Samplenum	Container ID	Products
L0708491-01	366129	TDS

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-AUG-2007 14:48	BRG	
2	ANALYZ	W1	WET	20-AUG-2007 14:30	HJR	ERE
3	STORE	WET	A2	24-AUG-2007 08:02	ERE	HJR

Samplenum	Container ID	Products
L0708491-04	366134	TDS

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-AUG-2007 14:48	BRG	
2	ANALYZ	W1	WET	20-AUG-2007 14:30	HJR	ERE
3	STORE	WET	A2	24-AUG-2007 08:02	ERE	HJR

Samplenum	Container ID	Products
L0708491-07	366141	ALK

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-AUG-2007 14:48	BRG	
2	ANALYZ	W1	WET	21-AUG-2007 08:07	DIH	ERE
3	STORE	WET	A2	22-AUG-2007 07:57	ERE	DIH

A1 - Sample Archive (COLD)
A2 - Sample Archive (AMBIENT)
F1 - Volatiles Freezer in Login
V1 - Volatiles Refrigerator in Login
W1 - Walkin Cooler in Login

KEMRON Environmental Services
Internal Chain of Custody Report
Login: L0708491
Account: 2921
Project: 2921.001
Samples: 7
Due Date: 24-AUG-2007

Samplenum	Container ID	Products
L0708491-04	366135	TOC

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-AUG-2007 14:48	BRG	
2	ANALYZ	W1	WET	20-AUG-2007 11:26	DIH	ERE
3	STORE	WET	W1	20-AUG-2007 15:45	ERE	DIH

Samplenum	Container ID	Products
L0708491-07	366142	TOC

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-AUG-2007 14:48	BRG	
2	ANALYZ	W1	WET	20-AUG-2007 11:26	DIH	ERE
3	STORE	WET	W1	20-AUG-2007 15:45	ERE	DIH
4	ANALYZ	A2	WET	21-AUG-2007 08:07	DIH	ERE
5	STORE	WET	A2	22-AUG-2007 07:58	ERE	DIH

Samplenum	Container ID	Products
L0708491-05	366137	TDS

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-AUG-2007 14:48	BRG	
2	ANALYZ	W1	WET	20-AUG-2007 14:30	HJR	ERE
3	STORE	WET	A2	24-AUG-2007 08:02	ERE	HJR

Samplenum	Container ID	Products
L0708491-05	366138	TOC

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-AUG-2007 14:48	BRG	
2	ANALYZ	W1	WET	20-AUG-2007 11:26	DIH	ERE

A1 - Sample Archive (COLD)
A2 - Sample Archive (AMBIENT)
F1 - Volatiles Freezer in Login
V1 - Volatiles Refrigerator in Login
W1 - Walkin Cooler in Login

KEMRON Environmental Services
Internal Chain of Custody Report

Login: L0708491
Account: 2921
Project: 2921.001
Samples: 7
Due Date: 24-AUG-2007

Samplenum	Container ID	Products
L0708491-03	366132	TOC

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-AUG-2007 14:48	BRG	
2	ANALYZ	W1	WET	20-AUG-2007 11:26	DIH	ERE
3	STORE	WET	W1	20-AUG-2007 15:45	ERE	DIH

Samplenum	Container ID	Products
L0708491-05	366136	ALK

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-AUG-2007 14:48	BRG	
2	ANALYZ	W1	WET	21-AUG-2007 08:07	DIH	ERE
3	STORE	WET	A2	22-AUG-2007 07:57	ERE	DIH

Samplenum	Container ID	Products
L0708491-01	366130	TOC

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-AUG-2007 14:48	BRG	
2	ANALYZ	W1	WET	20-AUG-2007 11:26	DIH	ERE
3	STORE	WET	W1	20-AUG-2007 15:45	ERE	DIH

Samplenum	Container ID	Products
L0708491-01	366128	ALK

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-AUG-2007 14:48	BRG	
2	ANALYZ	W1	WET	21-AUG-2007 08:07	DIH	ERE
3	STORE	WET	A2	22-AUG-2007 07:58	ERE	DIH

A1 - Sample Archive (COLD)
A2 - Sample Archive (AMBIENT)
F1 - Volatiles Freezer in Login
V1 - Volatiles Refrigerator in Login
W1 - Walkin Cooler in Login

KEMRON Environmental Services
Internal Chain of Custody Report

Login: L0708491
Account: 2921
Project: 2921.001
Samples: 7
Due Date: 24-AUG-2007

Samplenum	Container ID	Products
L0708491-02	366131	TOC

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-AUG-2007 14:48	BRG	
2	ANALYZ	W1	WET	20-AUG-2007 11:26	DIH	ERE
3	STORE	WET	W1	20-AUG-2007 15:45	ERE	DIH

Samplenum	Container ID	Products
L0708491-04	366133	ALK

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-AUG-2007 14:48	BRG	
2	ANALYZ	W1	WET	21-AUG-2007 08:07	DIH	ERE
3	STORE	WET	A2	22-AUG-2007 07:58	ERE	DIH

Samplenum	Container ID	Products
L0708491-06	366139	ALK

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-AUG-2007 14:48	BRG	
2	ANALYZ	W1	WET	21-AUG-2007 08:07	DIH	ERE
3	STORE	WET	A2	22-AUG-2007 07:58	ERE	DIH

A1 - Sample Archive (COLD)
A2 - Sample Archive (AMBIENT)
F1 - Volatiles Freezer in Login
V1 - Volatiles Refrigerator in Login
W1 - Walkin Cooler in Login

Chain of Custody Documentation

110907 1338

CH2MHILL Constructors, Inc.
115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

2507372 KC

[1] COC NUMBER: OU20807-PEL-1

[2] PROJECT NAME:	[5] PROJECT NUMBER:	[8] LAB NAME AND CONTACT:	[11] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No. , and Fax No.):
NTC Orlando	283383.10.10	Darcy Weisman/ PEL labs	Kama White CH2M Hill CCI	North Park 400, 1000 Abenathy Rd, Suite 1600 Atlanta Ga. 30328
[3] PROJECT PHASE/SITE/TASK:	[6] CTO OR DO NUMBER:	[9] LAB PO NUMBER:	[12] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No. , and Fax No.):
OU-2	TO-05	808799		
[4] PROJECT CONTACT:	[7] PROJECT TEL NO AND FAX NO:	[10] LAB TEL NO AND FAX NO:	[13] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No. , and Fax No.):
Bethany Garvey	770-604-9182	813-247-2085		

[25] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SOP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	VOC's 8260B	ALk alinity	TOC	TRPH	Metals, Na	TDS					[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	TO05MW40A	OLD-OU2-40A	W	8/15/7	1340	C	14	3	1	1	1	1	1					N	Post injection sampling	01
2	TO05MW40AMS	Matrix Spike	W	8/15/7	1340	C	14	3		1	1	1						M		02
3	TO05MW40AMSD	Matrix Spike Dupe	W	8/15/7	1340	C	14	3		1	1	1						MSD		03
4	TO05MW40B	OLD-OU2-40B	W	8/15/7	1415	C	14	3	1	1	1	1	1					N		04
5	TO05FD02	Field dupe	W	8/15/7	—	C	14	3	1	1	1	1	1					FD		05
6	~~TO05MW48A~~	~~OLD-OU2-48A~~	~~W~~			~~C~~	~~14~~		~~1~~	~~1~~								~~N~~	not collected	NS 8/15/7
7	~~TO05MW48B~~	~~OLD-OU2-48B~~	~~W~~			~~C~~	~~14~~		~~1~~	~~1~~								~~N~~	not collected	NS 8/15/7
8	~~TO05MW44A~~	~~OLD-OU2-44A~~	~~W~~			~~C~~	~~14~~		~~1~~	~~1~~								~~N~~	Please note New Mailing Address. not collected	
9	~~TO05MW44B~~	~~OLD-OU2-44B~~	~~W~~			~~C~~	~~14~~		~~1~~	~~1~~								~~N~~	not collected	NS 8/15/7
10	TO05IW2A	OLD-OU2-IW2A	W	8/15/7	1632	C	14		1	1								N	Caution samples maybe high VOC's	06

[29] SAMPLER(S) AND COMPANY: (please print): Mark Stinnett, Sara Vaughn CH2M hill

[30] COURIER AND SHIPPING NUMBER: 8604 2607 9609 FedEx

[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use): TOC, Alkalinity, TDS to ~~Spectrum~~ Kemron rec'd @ 3.9C pH<2 (8260B, 6010, PLPRO)

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature: Mark Stinnett	8/15/7	1845	Printed Name and Signature: [illegible]	8/16/07	1020
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

Distribution: [ ] Original - Laboratory (To be returned with Analytical Report); [ ] Copy 1 - Project File; [ ] Copy 2 - PMO

Form CC1001, Rev 06/00

2507372

CH2MHILL Constructors, Inc.
115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

2507372 KC

[1] COC NUMBER: OU2060807-2

[2] PROJECT NAME:	[5] PROJECT NUMBER:	[8] LAB NAME AND CONTACT:	[11] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No. , and Fax No.):
NTC Orlando	283383.10.10	Darcy Weisman/ PEL labs	Kama White CH2M Hill CCI	North Park 400, 1000 Abenathy Rd, Suite 1600 Atlanta Ga. 30328
[3] PROJECT PHASE/SITE/TASK:	[6] CTO OR DO NUMBER:	[9] LAB PO NUMBER:	[12] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No. , and Fax No.):
OU-2	TO-05	808799		
[4] PROJECT CONTACT:	[7] PROJECT TEL NO AND FAX NO:	[10] LAB TEL NO AND FAX NO:	[13] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No. , and Fax No.):
Bethany Garvey	770-604-9182	813-247-2085		

[25] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SOP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	VOC's 8260B	TOC	ALKalinity								[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	TO05IW2B	OLD-OU2-IW2B	W	8/15/7	1630	C	14		1	1								N	Post injection sampling	07
2	TO05EB1	Equipment BLK	W	8/15/7	1705	C	14	3										EB		08
3	TO05TB1	Trip Blk	W	8/15/7	—	C	14	1										TB		09
4																				
5																				
6																				
7																				
8																			Please note New Mailing Address.	
9																				
10																				

2507372

[29] SAMPLER(S) AND COMPANY: (please print)	[30] COURIER AND SHIPPING NUMBER:	[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):
Mark Stinnett, Sara Vaughn CH2M hill	8604 2607 9609 FedEx	TOC, Alkalinity, TDS to ~~Spectrum~~ Kamron rec'd @ 3.9C, pH <2 (8260, 6010, FLPRO)

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature: Mark Stinnett Mark Stinnett	8/15/7	1845h	Printed Name and Signature: [illegible]	8/16/07	1020
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

Distribution: [ ] Original - Laboratory (To be returned with Analytical Report); [ ] Copy 1 - Project File; [ ] Copy 2 - PMO

Form CC1001, Rev 06/00

270

PRIORITY OVERNIGHT

TRK# 0200 8604 2607 9609

34-MCFA

TPA
FL-US
33619

emp# 200900 15AUG07 19:20

ALIGN FEDEX AIRBILL POUCH HERE

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FedEx Express US Airbill

8604 2607 9609

020

1 From
Date 081507 Sender's FedEx Account Number 241 253 520
Sender's Name ISAAC Lynch Phone 352 494-3822
Company CH2M Hill ccs
Address 1060 Warehouse Road
City Orlando State FL ZIP 32503
Dept./Floor/Suite/Room

2 Your Internal Billing Reference 283383.10.10

3 To
Recipient's Name Darcy Weisman Phone 813 247-2505
Company DEL LABS
Recipient's Address 4420 Poinciana PT Road
We cannot deliver to P.O. boxes or P.O. ZIP codes.
Address
Dept./Floor/Suite/Room
To request a package be held at a specific FedEx location, print FedEx address here.
City Tampa State FL ZIP 33619.

8604 2607 9609

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4a Express Package
1 [X] FedEx Priority Overnight
Next business morning.* Friday shipments will be delivered on Mon unless SATURDAY Delivery is sel
3 [ ] FedEx 2Day
Second business day.* Thursday shipments will be delivered on Mo unless SATURDAY Delivery is selec
FedEx Envelope rate not availa

4b Express Freight Se
7 [ ] FedEx 1Day Freight*
Next business day.** Friday shipments will be delivered on Mon unless SATURDAY Delivery is selec
* Call for Confirmation:

5 Packaging
6 [ ] FedEx Envelope*
2 [ ] Fe

6 Special Handling
3 [ ] SATURDAY Delivery
Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
Include FedEx adu... ion 3.
1 [ ] HOLD Weekday at FedEx Locatio
Not availab... for FedEx First Over...
31 [ ] HOLD Saturday at FedEx Location
Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.
* Declared value limit $100

Does this shipment contain dangerous goods?
One box must be checked.
[X] No
4 [ ] Yes
As per attached Shipper's Declaration.
[ ] Yes
Shipper's Declaration not required.
6 [ ] Dry Ice
Dry Ice, 9, UN 1845 ____ x ____ kg
Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.
[ ] Cargo Aircraft Only

7 Payment Bill to:
Enter FedEx Acct. No. or Credit Card No. below.
1 [X] Sender
Acct. No. in Section 1 will be billed.
2 [ ] Recipient
3 [ ] Third Party
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5 [ ] Cash/Check
Obtain Recip. Acct. No. [ ]

Total Packages 1
Total Weight 70
Total Charges
Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the FedEx Service Guide for details.

8 NEW Residential Delivery Signature Options
If you require a signature, check Direct or Indirect.
[ ] No Signature Required
Package may be left without obtaining a signature for delivery.
10 [ ] Direct Signature
Anyone at recipient's address may sign for delivery. Fee applies.
34 [ ] Indirect Signature
If no one is available at recipient's address, anyone at a neighboring address may sign for delivery. Fee applies.

520

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SAMPLE RECEIPT CONFIRMATION SHEET

Client Information

SDG:	2507372	**Req:**	83010
Client:	CH2M Hill	**Project:**	TO-5 / AGVIQ (OU-2 Pilot Study)
Level:	4	**Date Rec'd:**	8/16/07 10:20:00 AM
Rec'd via:	Fed-Ex	**Due Date:**	08/30/07

Sample Verification

Samples/Cooler Secure?	Yes	**All Samples on COC accounted For?**	Yes
Temperature of Samples(Celsius)	3.9C	**All Samples Rec'd Intact?**	Yes
pH Verified?	Yes	**Sample Vol. Stuff. For Analysis?**	Yes
pH WNL?	Yes	**Samples Rec'd W/I Hold Time?**	Yes
Soil Origin (Domestic/Foreign):		**Are All Samples to be Analyzed?**	Yes
Site Location/Project on COC?	Yes	**Correct Sample Containers?**	Yes
Client Project # on COC?	Yes	**COC Comments written on COC?**	Yes
Project Mgr. Indicated on COC?	Yes	**Samplers Initials on COC?**	Yes
COC relinquished/Dated by Client?	Yes	**Sample Date/Time Indicated?**	Yes
COC Received/Dated by PEL?	Yes	**TAT Requested:**	STD
Specific Subcontract Indicated?	No	**Client Requests Verbal Results?**	No
Samples Received By	Fed-Ex	**Client Requests Faxed Results?**	No
PEL to Conduct ALL Analyses?	No		

Subcontract Analysis

Parameter	Due Date	Via	Lab Name	Comments

PEER REVIEW

PEL Laboratories, Inc.

pH LOG SHEET

Work Order # 2507372 By JG

Client / Project Name CH2M/NTC ORLANDO Date 08/16/07

PEL Sample Number	H_2SO_4 (pH<2)		HNO_3 (pH<2)		NaOH (pH>12)		ZnAC/NaOH (pH>9)		HCl (pH<2)		Other _____ pH _____	
	No. of Containers	pH	No. of Containers	pH	No. of Containers	pH	No. of Containers	pH	No. of Containers	pH	No. of Containers	pH
1	1	<2	1	<2					3	<2		
2	↓	↓	↓	↓					↓	↓		
3	↓	↓	↓	↓					↓	↓		
4	↓	↓	↓	↓					↓	↓		
5	↓	↓	↓	↓					↓	↓		
8	↓	↓ KC	↓ CC	↓ KC					↓	↓		

W:\Login\pH LOG SHEET REV 3.doc

2507372

PEL Laboratories, Inc.
4420 Pendola Point Road
Tampa, Florida 33619
(813) 247-2805 • Fax: (813) 248-1537
E-Mail: login@Pelab.com

Chain of Custody Record
Record/Work Request

Kemron

Company: PEL

Address:

Phone: Fax:

Print Names(s) / Affiliation

Sampler(s) Signature(s)

Project Name/Number: 2507372 (CMZM/NTC Orlando OU-2)

Project Manager: Darcy Weisman

Purchase Order:

Page of

DEP Form #: 62-770.900(2)
Form Title: Chain of Custody Record
Effective Date: September 23, 1997
FDEP Facility No.
Project Name:
Sampling CompQAP No:
Approval Date:

REQUESTED DUE DATE 8/29/07

Preservatives (see codes)

Analyses Requested

Item No.	Field ID No.	Sampled Date	Sampled Time	Grab or Composite	Matrix (see codes)	Number of Containers	Alkalinity	TOC	TDS						Remarks	Lab. No.
	T005MW40A	8/15/07	1340		W	3	X	X	X						2507372-01	
	T005MW40AMS	8/15/07	1340	(MS)	W	1		X							-02	
	T005MW40AMSD	8/15/07	1340	(MSD)	W	1		X							-03	
	T005MW40B	8/15/07	1415		W	3	X	X	X						-04	
	T005FD02	8/15/07	—		W	3	X	X	X						-05	
	T005IW2A	8/15/07	1632		W	2	X	X							-06	
	T005IW2B	8/15/07	1630		W	2	X	X							-07	

Shipment Method

← Total Number of Containers

Out: / /	Via:	Item Nos.	Relinquished by / Affiliations	Date	Time	Accepted by / Affiliation	Date	Time
Returned: / /	Via.		[illegible]	8/16/07	1555			

Additional Comments:

Level III + EDD

Ref:
Dep:
Date: 08/16/2007
Wgt: 52.0 LBS
DV: 0.00
SHIPPING: 153.20
SPECIAL: 20.68
HANDLING: 0.00
TOTAL: 173.88
Svcs: STANDARD OVERNIGHT
TRCK: 6720 6185 4216

Cooler No. (s) / Temperature(s) (C)	Sampling Kit No.	Equipment ID No.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify)

PRESERVATION CODES: H-Hydrochloric acid + ice I = Ice only N = Nitric acid + ice S = Sulfuric acid + ice O = Other (specify)

2507372

Client: CH2M Hill

WONo: 2507372 **Profile Name:** NTC Orlando **Profile #:** 83010

MATRIX ***W***

Sample #	Parameter		Relinquished	Received	Date	Time
01 - 05	6010	Metals	[illegible]	GK	8/17/7	1340
01 - 05	6010	Metals	N/A			
01 - 09	8260	Volatile Organic Compounds	[illegible]	MES	8/17/07	11:00
01 - 09	8260	Volatile Organic Compounds				
01 - 05	FL-PRO	Petroleum Hydrocarbons	[illegible]	PC	8/17/07	945
01 - 05	FL-PRO	Petroleum Hydrocarbons	Consumed			

Additional:

Comments:

Addendum

110907 1338

Letter of Acceptance

Customer Name: CH2M Hill

Date and Time Received: 8/16/07 10:20:00 AM

Date to be Reported: 8/30/07

Laboratory Submission Number/SDG: 2507372

Get Detailed Analyte List here: www.pelab.com/webdms/Default.asp?LoaSDG=2507372

Project: NTC Orlando / TO-5

Samples: The submission consisted of 9 samples with sample identification shown in the attached data tables.

Tests: The Samples will be analyzed for EPA methods: 6010, 8260, FL-PRO, GEN1OL (Alk, TOC, TDS).

Sample Custody/COC discrepancies:

None.

Notes:

14-day TAT.

Distribution of Report to:

CH2M Hill
Attn: Kama White
Phone: W 770-604-9182
F 770-604-9282

Note: Submitted material will be retained for 30 days unless otherwise requested by client or consumed in analysis. PEL letters and reports are for the exclusive use of the client to whom they are addressed. Our letters and reports apply to the sample tested and are not necessarily indicative of the qualities of apparently identical or similar materials

Log-in Report

Level: 4

Total of: 24 analyses on 9 samples (including QC) *17-Aug-07*

Report/SDG #: 2507372

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05MW40A	250737201	OLD-OU2-40A	W	8/15/07 1:40:00 PM	8/16/07 10:20:00 AM

Method		
6010	Metals	6010
8260	Volatile Organic Compounds	8260
FL-PRO	Petroleum Hydrocarbons	FL-PRO
GEN1OL	Generic Outside Lab Method	GEN1OL

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05MW40AMS	250737202	OLD-OU2-40A	WQ	8/15/07 1:40:00 PM	8/16/07 10:20:00 AM

Method		
6010	Metals	6010
8260	Volatile Organic Compounds	8260
FL-PRO	Petroleum Hydrocarbons	FL-PRO
GEN1OL	Generic Outside Lab Method	GEN1OL

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05MW40AMSD	250737203	OLD-OU2-40A	WQ	8/15/07 1:40:00 PM	8/16/07 10:20:00 AM

Method		
6010	Metals	6010
8260	Volatile Organic Compounds	8260
FL-PRO	Petroleum Hydrocarbons	FL-PRO
GEN1OL	Generic Outside Lab Method	GEN1OL

Report/SDG #: 2507372

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05MW40B	250737204	OLD-OU2-40B	W	8/15/07 2:15:00 PM	8/16/07 10:20:00 AM

Method		
6010	Metals	6010
8260	Volatile Organic Compounds	8260
FL-PRO	Petroleum Hydrocarbons	FL-PRO
GEN1OL	Generic Outside Lab Method	GEN1OL

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05FD02	250737205	Field dupe	W	8/15/07	8/16/07 10:20:00 AM

Method		
6010	Metals	6010
8260	Volatile Organic Compounds	8260
FL-PRO	Petroleum Hydrocarbons	FL-PRO
GEN1OL	Generic Outside Lab Method	GEN1OL

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05IW2A	250737206	OLD-OU20IW2A	W	8/15/07 4:32:00 PM	8/16/07 10:20:00 AM

Method		
GEN1OL	Generic Outside Lab Method	GEN1OL

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05IW2B	250737207	OLD-OU20IW2B	W	8/15/07 4:30:00 PM	8/16/07 10:20:00 AM

Method		
GEN1OL	Generic Outside Lab Method	GEN1OL

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05EB1	250737208	Equipment BLK	WQ	8/15/07 5:05:00 PM	8/16/07 10:20:00 AM

Method		
8260	Volatile Organic Compounds	8260

Report/SDG #: 2507372

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05TB1	250737209	Trip Blk	WQ	8/15/07	8/16/07 10:20:00 AM

Method		
8260	Volatile Organic Compounds	8260

Darcy Weisman

From: Darcy Weisman
Sent: Wednesday, August 22, 2007 10:33 AM
To: Bethany Garvey; Camden Robinson
Subject: FW: Dilutions; 2507372 8260 NTC Orlando

Good morning.

-----Original Message-----
From: Mark Jacobs
Sent: Wednesday, August 22, 2007 10:10 AM
To: Project Managers
Cc: Lisa Pelo
Subject: Dilutions; 2507372 8260 NTC Orlando

Sample TO05FD02 was unable to be analyzed full due to high concentration of the following analyte: Trichloroethene. Dilutions of 1:5 and 1:200 are reported.

Sample TO05MW40A required a 1:10 dilution due to high concentration of the following analyte: Trichloroethene. Both full and diluted runs are reported.

Sample TO05MW40B was unable to be analyzed full due to high concentration of the following analyte: Trichloroethene. Dilutions of 1:5 and 1:200 are reported.

Appendix

110907 1338

Raw Data Method 8260

/H20 1,478,879 VMS02 8260 H20 (M2062107C) 6/21/7 47 ALTO IS/ H20 BATCH

~7	CLIENT	VIAL	FILE	STO	/ IS	/ SURR	AMOUNT	CLIENT
	PELQc	X	BFB21			18693 19423	50ng	PEL
		X	BFB22				1	INITIAL
		X	BFB21				50ng	CALIBRATION
			BFB22 [01:43]				1	
		X	CCV21	19290 19292	19295 19297		50ppb	
		X	CCV22				1	
=50		X	50 PPB				50ppb	
			CB				5mL	
			CAL1	19290 19292	19295 19297		1ppb	
			CAL2				2ppb	
	ECS		CAL3				5ppb	
			CAL4				10ppb	
		X	CAL5				20ppb	
			CAL6				50ppb	
			CALSR				20ppb	
			CAL7				60ppb	
			CAL8				80ppb	
	Gln		SEC21	19291 19293	19296 19299		50ppb	
		X	SEC22					
		X	SEC23					

6/21/7

ICAL : 21-JUN-2001

VMS02 8260 H2O (M206220) 6/22/7 AUTO DS/H2O

VIAL	FILE	STD / IS / SUM		AMOUNT	CLIENT
X	BFB27	18693	19423	50ng	PEL QC
	BFB22 (05:02)				
	X CCV21	19290 19292	19295 19297	50ppb	
	CCV22				
	X LCS21	19291 19293	19296 19299	20ppb MeOH DF=50	
	LCS22				
	MBLA21			5ml MeOH DF=50	
	BLA22				
1	250704201			5ml	CAPE
3	250703801M			2.3224g DF=50	Eglin
2	250701601M			4.9822 DF=50	Eglin
2	250703803MD			3.1768g DF=100	Eglin
4	250701602MD			4.9236 DF=500	Eglin
5	250704602			5ml	Kingsville
1	01				
1	250704210				Cape
3	250705002			4.643g DF=50	REA
1	250704211	19291 19293	19296 19299	5ml 20ppb	Cape
3	12				
X NO MALL	MLCS210 ~~06~~			20ppb DF=50	PEL QC
3	250704~~06~~05			5ml	Cape
3	06				
2	07				
3	08				
2	13				
3	09 (DF=50)				

6/22/7

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18423	8081wkg_spk			6/8/2007	10 ML	5/8/2007	spruskin

0.0006 UG/ML: 2,4,5,6-tetrachloro-m-xylene, 2,4'-DDD, 2,4'-DDE, 2,4'-DDT, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Decachlorobiphenyl

COMPOSED OF:

17354: 6 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18693	8260_INT_IS			12/21/2007	100 ML	5/21/2007	mstephens

250 UG/ML: 1,4-Dichlorobenzene-d4, Chlorobenzene d5, Fluorobenzene

COMPOSED OF:

16403: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19290	8260_Main Mix_P			12/14/2007	50 ML	6/14/2007	mstephens

1000 UG/ML: 1,4 Dioxane, Ethanol, Isobutyl alcohol
50 UG/ML: 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB), 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichloro-2-butene, 1,4-Dichlorobenzene, 1-Chlorohexane, 2,2-Dichloropropane, 2-Chlorotoluene, 4-Chlorotoluene, 4-Isopropyltoluene, Allyl chloride, Benzene, Benzyl chloride, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloroprene, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Cyclohexane, Dibromochloromethane, Dibromomethane, Ethyl methacrylate, Ethylbenzene, Fluorobenzene, Hexachlorobutadiene, Isopropylbenzene (Cumene), Methyl Acetate, Methyl Cyclohexane, Methyl methacrylate, Methylene chloride, Naphthalene, n-Butylbenzene, n-Propylbenzene, o-Xylene, p,m-Xylene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene
500 UG/ML: Acetonitrile, Methacrylonitrile, Propionitrile

COMPOSED OF:

19276: 1.25 ML 19277: 1.25 ML 19278: 1.25 ML 19279: 1.25 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19291	8260_Main Mix_S			12/14/2007	50 ML	6/14/2007	mstephens

1000 UG/ML: 1,4 Dioxane, Ethanol, Isobutyl alcohol
50 UG/ML: 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB), 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichloro-2-butene, 1,4-Dichlorobenzene, 1-Chlorohexane, 2,2-Dichloropropane, 2-Chlorotoluene, 4-Chlorotoluene, 4-Isopropyltoluene, Allyl chloride, Benzene, Benzyl chloride, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloroprene, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Cyclohexane, Dibromochloromethane, Dibromomethane, Ethyl methacrylate, Ethylbenzene, Fluorobenzene, Hexachlorobutadiene, Isopropylbenzene (Cumene), Methyl Acetate, Methyl Cyclohexane, Methyl methacrylate, Methylene chloride, Naphthalene, n-Butylbenzene, n-Propylbenzene, o-Xylene, p,m-Xylene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene
500 UG/ML: Acetonitrile, Methacrylonitrile, Propionitrile

COMPOSED OF:

19283: 1.25 ML 19285: 1.25 ML 19288: 1.25 ML 19289: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19292	8260_Add ons_P			12/1/2007	50 ML	6/14/2007	mstephens

100 UG/ML: 2-Nitropropane, Ethyl acetate, Tetrahydrofuran
50 UG/ML: Carbon disulfide, Ethyl Ether, Isopropyl Ether, Methyl iodide, MTBE, Vinyl acetate
500 UG/ML: Cyclohexanone, t-Butanol

COMPOSED OF:

19134: 1.25 ML 19281: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19293	8260_Add ons_S			12/1/2007	50 ML	6/14/2007	mstephens

100 UG/ML: 2-Nitropropane, Ethyl acetate, Tetrahydrofuran
50 UG/ML: Carbon disulfide, ethyl tert-butyl ether, Isopropyl Ether, Methyl iodide, MTBE, Vinyl acetate
500 UG/ML: Cyclohexanone

COMPOSED OF:

17298: 1.25 ML 19135: 1.25 ML 19286: 1.25 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19295	8260_Ketones_+_P			8/12/2007	50 ML	6/14/2007	mstephens

100 UG/ML: 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acrolein, Acrylonitrile

COMPOSED OF:

19280: 0.5 ML 19282: 0.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19296	8260_Ketones_+_S			8/12/2007	50 ML	6/14/2007	mstephens

100 UG/ML: 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acrolein, Acrylonitrile

COMPOSED OF:

19284: 0.5 ML 19287: 0.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19297	8260_Gases_P			12/14/2007	50 ML	6/14/2007	mstephens

50 UG/ML: 1,1,2-Trichlorotrifluoroethane, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, Trichlorofluoromethane, Vinyl chloride

COMPOSED OF:

16391: 1.25 ML 18516: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19299	8260_Gases_S			12/14/2007	50 ML	6/14/2007	mstephens

50 UG/ML: 1,1,2-Trichlorotrifluoroethane, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, Trichlorofluoromethane, Vinyl chloride

COMPOSED OF:

16826: 1.25 ML 18494: 1.25 ML

IS-H2O Path VM503 (MS) 8260(H2O) (M30808070) ICAL. 8/8/07 8/8/07 Auto IS-H2O Path

client	File	STD/Surr/IS#	Amount	client
Pal-QC	BFB31	20602, 18693	50ng	Pal-QC
	Primer	19290, 19292 19295, 19297	50ppb	
	Primer			
	80 ppb		80ppb	
	60 ppb		60ppb	
	50 ppb		50ppb	
	20 ppb		20ppb	
	10 ppb		10ppb	
	5 ppb		5ppb	
	2 ppb		2ppb	
Kingsville	1 ppb		1ppb	
	SEC 31	19291, 19293 19296, 19299	50ppb	

Reviewed By MSS 8/8/07

MS) 52

VMS03 8260(H2O)(M3082107) 8/21/07 Auto IS-H2O Path

ICAL - 8/8/07

Vial	File	STD/Surr/IS#	Amount	Client
	BFB31	20002, 18693	50ng	Pet-QC
	50CW31	20242, 20327, 20249, 20251	50 ppb	
	50CW32			
	LL532	20244, 20247, 20328, 20252	20 ppb	
	LL532D			
4	37202D(MS)(1/10)			
4	37203D(SD)(1/10)		5 mls	
	BIK31			
	BIK32			
4	37201D (1/10)			(NTC-Orlando)
1	39701			(PEL)
3	8/21 MS wrong # ~~376~~ 37206			(NTC-Orlando)
1	37209			
1	39507			(Toltest)
1	01			
3	02			
3	03			
1	04			
3	05			
3	06			
2	37603R			(Earth Tech)
4	37204D(1/200)			(NTC-Orlando)
6	05D(1/200)			
4	01			
4	04 (1/5)			
6	05 (1/5)			

MS) 9/22

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18693	8260_INT_IS			12/21/2007	100 ML	5/21/2007	mstephens

250 UG/ML: 1,4-Dichlorobenzene-d4, Chlorobenzene d5, Fluorobenzene

COMPOSED OF:

16403: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19290	8260_Main Mix_P			12/14/2007	50 ML	6/14/2007	mstephens

1000 UG/ML: 1,4 Dioxane, Ethanol, Isobutyl alcohol
50 UG/ML: 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB), 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichloro-2-butene, 1,4-Dichlorobenzene, 1-Chlorohexane, 2,2-Dichloropropane, 2-Chlorotoluene, 4-Chlorotoluene, 4-Isopropyltoluene, Allyl chloride, Benzene, Benzyl chloride, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloroprene, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Cyclohexane, Dibromochloromethane, Dibromomethane, Ethyl methacrylate, Ethylbenzene, Fluorobenzene, Hexachlorobutadiene, Isopropylbenzene (Cumene), Methyl Acetate, Methyl Cyclohexane, Methyl methacrylate, Methylene chloride, Naphthalene, n-Butylbenzene, n-Propylbenzene, o-Xylene, p,m-Xylene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene
500 UG/ML: Acetonitrile, Methacrylonitrile, Propionitrile

COMPOSED OF:

19276: 1.25 ML 19277: 1.25 ML 19278: 1.25 ML 19279: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19291	8260_Main Mix_S			12/14/2007	50 ML	6/14/2007	mstephens

1000 UG/ML: 1,4 Dioxane, Ethanol, Isobutyl alcohol
50 UG/ML: 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB), 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichloro-2-butene, 1,4-Dichlorobenzene, 1-Chlorohexane, 2,2-Dichloropropane, 2-Chlorotoluene, 4-Chlorotoluene, 4-Isopropyltoluene, Allyl chloride, Benzene, Benzyl chloride, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloroprene, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Cyclohexane, Dibromochloromethane, Dibromomethane, Ethyl methacrylate, Ethylbenzene, Fluorobenzene, Hexachlorobutadiene, Isopropylbenzene (Cumene), Methyl Acetate, Methyl Cyclohexane, Methyl methacrylate, Methylene chloride, Naphthalene, n-Butylbenzene, n-Propylbenzene, o-Xylene, p,m-Xylene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene
500 UG/ML: Acetonitrile, Methacrylonitrile, Propionitrile

COMPOSED OF:

19283: 1.25 ML 19285: 1.25 ML 19288: 1.25 ML 19289: 1.25 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19292	8260_Add ons_P			12/1/2007	50 ML	6/14/2007	mstephens

100 UG/ML: 2-Nitropropane, Ethyl acetate, Tetrahydrofuran
50 UG/ML: Carbon disulfide, Ethyl Ether, Isopropyl Ether, Methyl iodide, MTBE, Vinyl acetate
500 UG/ML: Cyclohexanone, t-Butanol

COMPOSED OF:

19134: 1.25 ML 19281: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19293	8260_Add ons_S			12/1/2007	50 ML	6/14/2007	mstephens

100 UG/ML: 2-Nitropropane, Ethyl acetate, Tetrahydrofuran
50 UG/ML: Carbon disulfide, ethyl tert-butyl ether, Isopropyl Ether, Methyl iodide, MTBE, Vinyl acetate
500 UG/ML: Cyclohexanone

COMPOSED OF:

17298: 1.25 ML 19135: 1.25 ML 19286: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19295	8260_Ketones_+_P			8/12/2007	50 ML	6/14/2007	mstephens

100 UG/ML: 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acrolein, Acrylonitrile

COMPOSED OF:

19280: 0.5 ML 19282: 0.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19296	8260_Ketones_+_S			8/12/2007	50 ML	6/14/2007	mstephens

100 UG/ML: 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acrolein, Acrylonitrile

COMPOSED OF:

19284: 0.5 ML 19287: 0.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19297	8260_Gases_P			12/14/2007	50 ML	6/14/2007	mstephens

50 UG/ML: 1,1,2-Trichlorotrifluoroethane, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, Trichlorofluoromethane, Vinyl chloride

STANDARDS LOG

COMPOSED OF:

16391: 1.25 ML 18516: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19299	8260_Gases_S			12/14/2007	50 ML	6/14/2007	mstephens

50 UG/ML: 1,1,2-Trichlorotrifluoroethane, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, Trichlorofluoromethane, Vinyl chloride

COMPOSED OF:

16826: 1.25 ML 18494: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
20002	8260_INT_SURR			1/30/2008	100 ML	7/30/2007	mstephens

25.1 UG/ML: 1,2-Dichloroethane-d4, 4-Bromofluorobenzene, Dibromofluoromethane, Toluene d8

COMPOSED OF:

19832: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
20242	8260_Main Mix_P			2/10/2008	40 ML	8/10/2007	mstephens

1000 UG/ML: 1,4 Dioxane, Ethanol, Isobutyl alcohol
50 UG/ML: 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB), 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichloro-2-butene, 1,4-Dichlorobenzene, 1-Chlorohexane, 2,2-Dichloropropane, 2-Chlorotoluene, 4-Chlorotoluene, 4-Isopropyltoluene, Allyl chloride, Benzene, Benzyl chloride, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloroprene, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Cyclohexane, Dibromochloromethane, Dibromomethane, Ethyl methacrylate, Ethylbenzene, Fluorobenzene, Hexachlorobutadiene, Isopropylbenzene (Cumene), Methyl Acetate, Methyl Cyclohexane, Methyl methacrylate, Methylene chloride, Naphthalene, n-Butylbenzene, n-Propylbenzene, o-Xylene, p,m-Xylene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene
500 UG/ML: Acetonitrile, Ethyl acetate, Ethyl Ether, Isopropyl Ether, Methacrylonitrile, Propionitrile, t-Butanol, Tetrahydrofuran

COMPOSED OF:

20211: 1 ML 20212: 1 ML 20213: 1 ML 20214: 1 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
20244	8260_Main Mix_S			2/10/2008	40 ML	8/10/2007	mstephens

100 UG/ML: 2-Nitropropane, Ethyl acetate, Tetrahydrofuran
1000 UG/ML: 1,4 Dioxane, Ethanol, Isobutyl alcohol
50 UG/ML: 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB), 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichloro-2-butene, 1,4-Dichlorobenzene, 1-Chlorohexane, 2,2-Dichloropropane, 2-Chlorotoluene, 4-Chlorotoluene, 4-Isopropyltoluene, Allyl chloride, Benzene, Benzyl chloride, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloroprene, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Cyclohexane, Dibromochloromethane, Dibromomethane, Ethyl methacrylate, ethyl tert-butyl ether, Ethylbenzene, Fluorobenzene, Hexachlorobutadiene, Isopropyl Ether, Isopropylbenzene (Cumene), Methyl Acetate, Methyl Cyclohexane, Methyl methacrylate, Methylene chloride, Naphthalene, n-Butylbenzene, n-Propylbenzene, o-Xylene, p,m-Xylene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene
500 UG/ML: Acetonitrile, Cyclohexanone, Methacrylonitrile, Propionitrile

COMPOSED OF:

20218: 1 ML 20220: 1 ML 20223: 1 ML 20224: 1 ML 20225: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
20247	8260_Add ons_S			10/24/2007	40 ML	8/10/2007	mstephens

50 UG/ML: Carbon disulfide, Methyl iodide, MTBE, Vinyl acetate

COMPOSED OF:

20221: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
20249	8260_Ketones_+_P			9/9/2007	50 ML	8/10/2007	mstephens

100 UG/ML: 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acrolein, Acrylonitrile

COMPOSED OF:

20215: 0.5 ML 20217: 0.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
20251	8260_Gases_P			2/8/2008	50 ML	8/10/2007	mstephens

50 UG/ML: 1,1,2-Trichlorotrifluoroethane, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, Trichlorofluoromethane, Vinyl chloride

COMPOSED OF:

16392: 1.25 ML 19629: 1.25 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
20252	8260_Gases_S			2/10/2008	50 ML	8/10/2007	mstephens

50 UG/ML: 1,1,2-Trichlorotrifluoroethane, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, Trichlorofluoromethane, Vinyl chloride

COMPOSED OF:

18495: 1.25 ML 19646: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
20327	8260_Add ons_P			11/12/2007	40 ML	8/15/2007	mstephens

50 UG/ML: Carbon disulfide, Methyl iodide, MTBE, Vinyl acetate

COMPOSED OF:

20326: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
20328	8260_Ketones_+_S			10/23/2007	50 ML	8/15/2007	mstephens

100 UG/ML: 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acrolein, Acrylonitrile

COMPOSED OF:

20222: 0.5 ML 20325: 0.5 ML

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3080807C.b\BFB31.D
Lab Smp Id: 080807BFBA31 Client Smp ID: 080807BFBA31
Inj Date : 08-AUG-2007 05:21
Operator : Inst ID: vms03.i
Smp Info : 080807BFBA31
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3080807C.b\BFBE.m
Meth Date : 01-Aug-2007 14:03 mjacobs Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: VOLS11

Concentration Formula: Amt * DF * CpndVariable
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 #: 74-83-9		
7.153	7.500	-0.347	95	101456			0.00- 100.00	100.00
7.153	7.500	-0.347	50	19328			15.00- 40.00	19.05
7.153	7.500	-0.347	75	49736			30.00- 60.00	49.02
7.153	7.500	-0.347	96	7364			5.00- 9.00	7.26
7.153	7.500	-0.347	173	0	0.0	0.0	0.00- 2.00	0.00
7.153	7.500	-0.347	174	66904			50.00- 100.00	65.94
7.153	7.500	-0.347	175	4569			5.00- 9.00	6.83
7.153	7.500	-0.347	176	64632			95.00- 101.00	96.60
7.153	7.500	-0.347	177	4199			5.00- 9.00	6.50

Data File: \\Vms03\dd\chem\vms03.i\M3080807C.b\BFB31.D

Date : 08-AUG-2007 05:21

Client ID: 080807BFBA31

Instrument: vms03.i

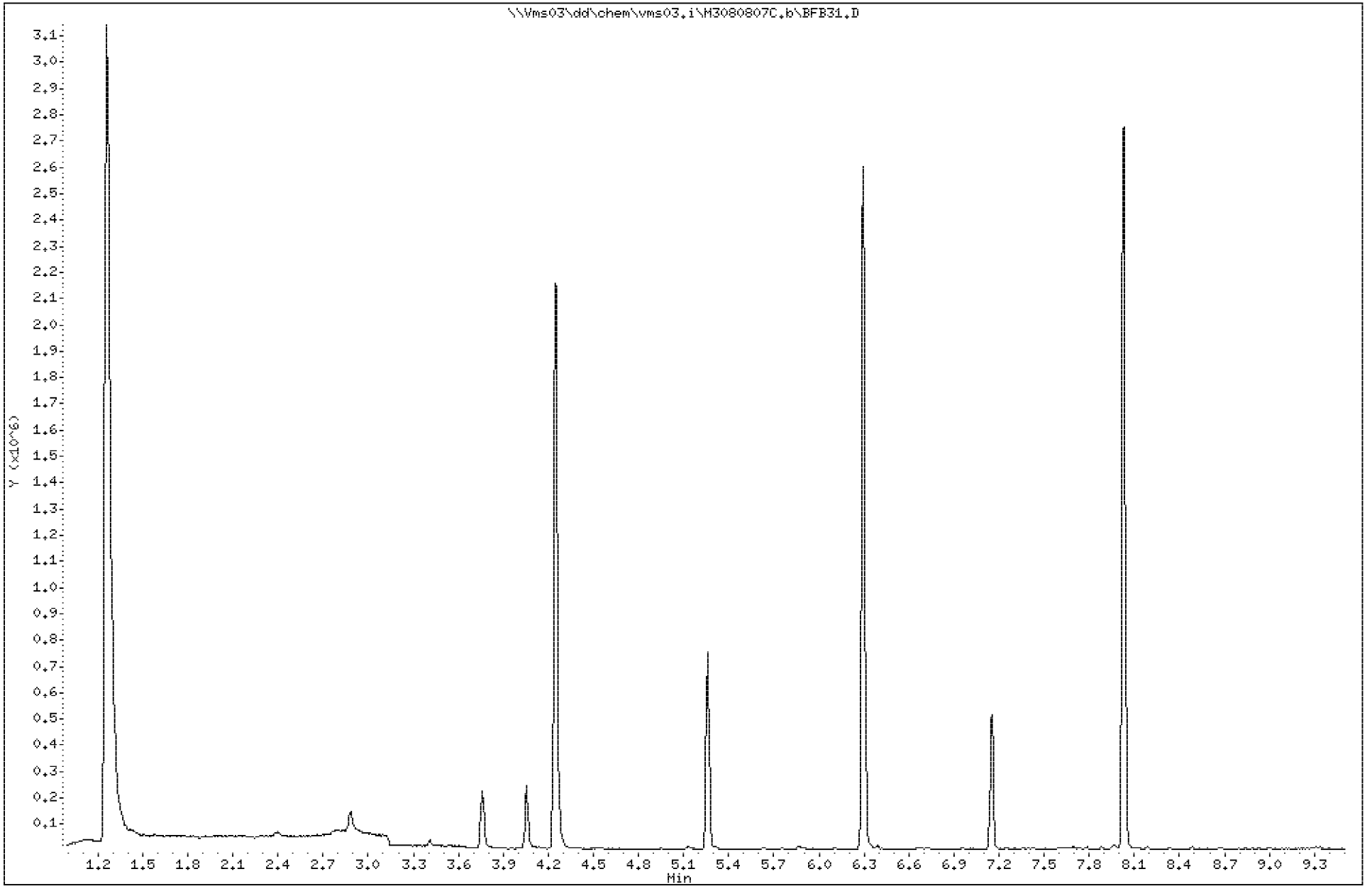
Sample Info: 080807BFBA31

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



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Date : 08-AUG-2007 05:21

Client ID: 080807BFBA31

Instrument: vms03.i

Sample Info: 080807BFBA31

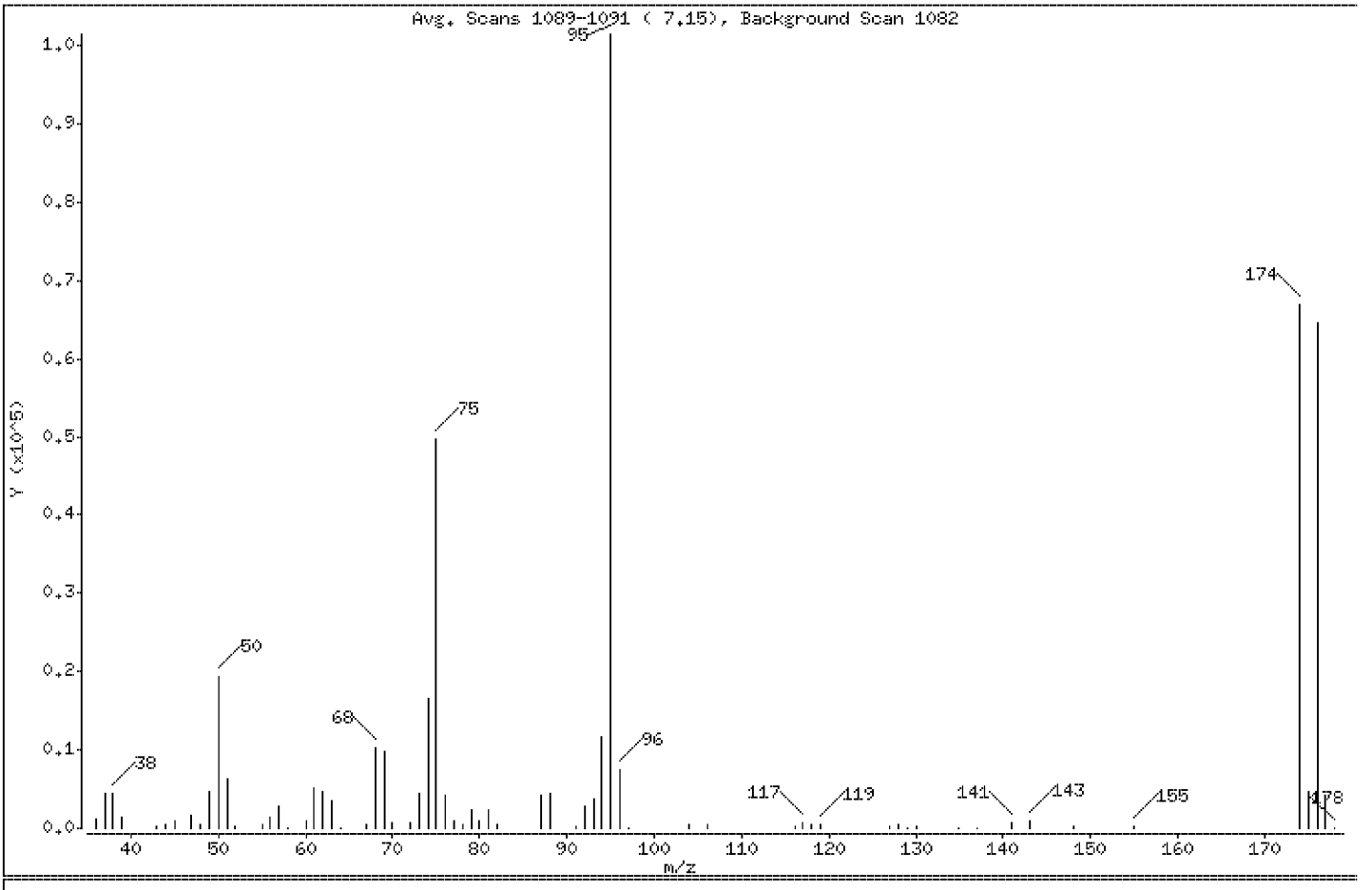
Purge Volume: 5.0

Operator:

Column phase: DB-624

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	19.05
75	30.00 - 60.00% of mass 95	49.02
96	5.00 - 9.00% of mass 95	7.26
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	65.94
175	5.00 - 9.00% of mass 174	4.50 (6.83)
176	95.00 - 101.00% of mass 174	63.70 (96.60)
177	5.00 - 9.00% of mass 176	4.14 (6.50)

Data File: \\Vms03\dd\chem\vms03.i\M3080807C.b\BFB31.D

Date : 08-AUG-2007 05:21

Client ID: 080807BFBA31 Instrument: vms03.i

Sample Info: 080807BFBA31

Purge Volume: 5.0 Operator:

Column phase: DB-624 Column diameter: 0.18

Data File: BFB31.D
Spectrum: Avg. Scans 1089-1091 (7.15), Background Scan 1082
Location of Maximum: 95.00
Number of points: 67

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36.00	1187	60.00	988	80.00	826	119.00	443
37.00	4398	61.00	5126	81.00	2302	127.00	121
38.00	4509	62.00	4714	82.00	524	128.00	428
39.00	1424	63.00	3398	87.00	4135	129.00	99
43.00	196	64.00	86	88.00	4393	130.00	324
44.00	459	67.00	361	91.00	226	135.00	107
45.00	962	68.00	10169	92.00	2745	137.00	114
47.00	1557	69.00	9907	93.00	3827	141.00	730
48.00	462	70.00	778	94.00	11654	143.00	1046
49.00	4612	72.00	654	95.00	101456	148.00	186
50.00	19328	73.00	4542	96.00	7364	155.00	181
51.00	6294	74.00	16552	97.00	92	174.00	66904
52.00	272	75.00	49736	104.00	411	175.00	4569
55.00	380	76.00	4291	106.00	392	176.00	64632
56.00	1419	77.00	916	116.00	302	177.00	4199
57.00	2906	78.00	561	117.00	596	178.00	100
58.00	101	79.00	2353	118.00	369		

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3080807C.b\1PPB.D
Lab Smp Id: 1PPBCAL Client Smp ID: 1PPBCAL
Inj Date : 08-AUG-2007 09:24
Operator : Inst ID: vms03.i
Smp Info : 1PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3080807C.b\8260A.m
Meth Date : 15-Aug-2007 08:36 mjacobs Quant Type: ISTD
Cal Date : 08-AUG-2007 09:00 Cal File: 2PPB.D
Als bottle: 11 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				22628	2.00000	(a)
M 2 Xylenes (Total)	100				68500	3.00000	(a)
M 3 Trihalomethanes (Total)	100				36834	1.00000	(a)
4 Dichlorodifluoromethane	85	1.404	1.405	(0.192)	4300	1.00000	0.78(aM)
5 Chloromethane	50	1.619	1.620	(0.221)	13790	1.00000	1.3(TM)
6 Vinyl Chloride	62	1.737	1.738	(0.237)	7531	1.00000	1.0
7 Bromomethane	96	2.132	2.132	(0.291)	4430	1.00000	1.0(a)
8 Chloroethane	64	2.242	2.242	(0.306)	5822	1.00000	1.1(T)
9 Trichlorofluoromethane	101	2.458	2.458	(0.336)	7346	1.00000	0.87(a)
10 Acrolein	56	2.940	2.940	(0.401)	2423	2.00000	1.8
11 1,1,2 Trichlorotrifluoromethan	101	2.954	2.955	(0.403)	4463	1.00000	0.68(TaM)
13 1,1-Dichloroethene	61	3.174	3.174	(0.433)	13252	1.00000	0.91(a)
109 t-Butyl-Alcohol	59	3.300	3.300	(0.450)	7116	10.0000	9.6
14 Acetonitrile	41	3.349	3.349	(0.457)	13780	10.0000	12.5(T)
15 Iodomethane	142	3.555	3.555	(0.485)	8227	1.00000	0.92(Ta)
16 Methyl Acetate	43	3.632	3.632	(0.496)	8699	1.00000	1.2
17 Allyl Chloride	41	3.658	3.658	(0.499)	16437	1.00000	1.2(T)
18 Carbon Disulfide	76	3.813	3.813	(0.520)	31769	1.00000	1.0
19 Methylene Chloride	49	3.864	3.864	(0.527)	17464	1.00000	1.2(a)
20 Acrylonitrile	53	4.045	4.045	(0.552)	6265	2.00000	1.8(a)
21 Methyl-tert-butyl ether	73	4.108	4.108	(0.561)	16731	1.00000	0.99(a)
22 trans 1,2-Dichloroethene	61	4.290	4.294	(0.585)	13185	1.00000	0.99(a)
23 1,1-Dichloroethane	63	4.943	4.944	(0.675)	16154	1.00000	1.0

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
24 Vinyl Acetate	43	5.009	5.009	(0.684)	16467	1.00000	0.90(a)
25 Chloroprene	53	5.085	5.085	(0.694)	13083	1.00000	0.96
26 2-Butanone	43	5.626	5.626	(0.768)	12704	2.00000	2.8(a)
27 Propionitrile	54	5.725	5.725	(0.781)	13350	10.0000	9.8
28 2,2-Dichloropropane	77	5.761	5.761	(0.786)	4777	1.00000	0.96(a)
29 cis-1,2-Dichloroethene	96	5.827	5.827	(0.795)	9443	1.00000	1.00
30 Methyacrylonitrile	67	5.981	5.981	(0.816)	37149	10.0000	9.8
31 Isobutyl Alcohol	43	6.062	6.062	(0.827)	6957	20.0000	21.2(T)
32 Chloroform	83	6.043	6.043	(0.825)	15655	1.00000	1.0
33 Bromochloromethane	49	6.240	6.240	(0.852)	9629	1.00000	1.0
35 1,1,1-Trichloroethane	97	6.546	6.546	(0.893)	9491	1.00000	0.95(a)
36 Cyclohexane	56	6.547	6.547	(0.894)	13994	1.00000	0.93(a)
37 1,1-Dichloropropene	75	6.744	6.744	(0.921)	12116	1.00000	1.0
38 Carbon tetrachloride	117	6.853	6.853	(0.935)	7618	1.00000	0.94(a)
40 1,2-Dichloroethane	62	7.061	7.061	(0.964)	12769	1.00000	1.0
41 Benzene	78	7.061	7.061	(0.964)	39539	1.00000	1.0
* 42 FLUOROBENZENE (IS)	96	7.327	7.327	(1.000)	1495726	50.0000	
43 Trichloroethylene	130	7.776	7.776	(1.061)	8186	1.00000	0.99(a)
44 Methyl Cyclohexane	55	7.834	7.834	(1.069)	10460	1.00000	0.98(a)
45 1,2-Dichloropropane	63	7.980	7.980	(1.089)	9449	1.00000	0.97(a)
46 Methyl Methacrylate	69	8.079	8.079	(1.103)	5106	1.00000	0.90
47 Bromodichloromethane	83	8.231	8.231	(1.123)	10818	1.00000	0.95(a)
48 1,4 Dioxane	88	8.293	8.293	(1.132)	1236	20.0000	15.4
49 Dibromomethane	93	8.288	8.288	(1.131)	5551	1.00000	0.96(a)
50 4-Methyl-2-Pentanone	43	8.635	8.635	(0.662)	17119	2.00000	1.9(a)
51 2-Hexanone	43	9.546	9.546	(0.898)	12039	2.00000	1.8(a)
52 cis 1,3-Dichloropropene	75	8.831	8.831	(1.205)	13603	1.00000	0.97(a)
54 Toluene	92	9.159	9.159	(1.250)	21860	1.00000	0.95(a)
55 trans 1,3-Dichloropropene	75	9.362	9.362	(1.278)	9833	1.00000	0.85(a)
56 Ethyl Methacrylate	69	9.367	9.367	(1.278)	9012	1.00000	0.89(a)
57 1,1,2-Trichloroethane	97	9.516	9.516	(1.299)	8007	1.00000	1.0
58 1,3-Dichloropropane	76	9.779	9.779	(0.920)	14235	1.00000	1.0
59 Tetrachloroethylene	164	9.829	9.829	(0.925)	6224	1.00000	1.0
60 Dibromochloromethane	129	10.036	10.036	(0.944)	6795	1.00000	0.88(a)
61 1,2-Dibromoethane	107	10.241	10.241	(0.963)	7082	1.00000	0.93(a)
62 1-Chlorohexane	91	10.421	10.421	(0.980)	9768	1.00000	0.90(a)
* 63 CHLOROBENZENE d5 (IS)	117	10.630	10.630	(1.000)	1067124	50.0000	
64 Chlorobenzene	112	10.668	10.668	(1.004)	24153	1.00000	0.99(a)
65 1,1,1,2-Tetrachloroethane	131	10.715	10.715	(1.008)	6948	1.00000	1.0
66 Ethylbenzene	106	10.723	10.723	(1.009)	12735	1.00000	0.96(a)
67 p,m-Xylene	106	10.802	10.802	(1.016)	32607	2.00000	1.9(a)
68 o-Xylene	91	11.242	11.242	(1.058)	35893	1.00000	0.97(a)
69 Styrene	104	11.280	11.280	(1.061)	24482	1.00000	0.92(a)
70 Bromoform	173	11.616	11.616	(1.093)	3566	1.00000	0.85(a)
71 1-Methylethylbenzene	105	11.606	11.606	(0.889)	35106	1.00000	0.89(a)
73 1,1,2,2-Tetrachloroethane	83	11.781	11.781	(0.903)	10402	1.00000	0.95(a)
75 1,2,3- trichloropropane	110	11.929	11.930	(0.914)	2828	1.00000	0.93(a)
76 n-Propylbenzene	91	12.009	12.009	(0.920)	48722	1.00000	0.91(a)
77 Bromobenzene	77	12.049	12.049	(0.923)	20818	1.00000	1.1
78 1,3,5-Trimethylbenzene	105	12.167	12.167	(0.932)	32682	1.00000	0.92(a)
79 2-Chlorotoluene	91	12.185	12.185	(0.934)	34517	1.00000	0.97(a)
80 4-Chlorotoluene	91	12.232	12.232	(0.937)	32443	1.00000	0.96(a)
81 tert-Butylbenzene	119	12.527	12.527	(0.960)	28365	1.00000	0.89(a)
82 1,2,4-trimethylbenzene	105	12.562	12.562	(0.963)	32031	1.00000	0.89(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
83 sec-Butylbenzene	105	12.740	12.740	(0.976)	40682	1.00000	0.93(a)
84 p-Isopropyltoluene	119	12.878	12.878	(0.987)	31859	1.00000	0.89(a)
85 1,3-Dichlorobenzene	146	12.975	12.975	(0.994)	19613	1.00000	1.0
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.048	13.048	(1.000)	574281	50.0000	
87 1,4-Dichlorobenzene	146	13.079	13.079	(1.002)	20707	1.00000	1.1
88 Benzyl Chloride	91	13.195	13.195	(1.011)	7636	1.00000	0.68
89 n-Butylbenzene	91	13.289	13.289	(1.018)	33220	1.00000	0.96(a)
90 1,2-Dichlorobenzene	146	13.450	13.450	(1.031)	17933	1.00000	0.99(a)
91 1,2-dibromo-3-chloropropane	75	14.217	14.217	(1.090)	1359	1.00000	0.80(a)
92 1,2,4-Trichlorobenzene	180	14.904	14.904	(1.142)	12328	1.00000	1.1
93 Hexachlorobutadiene	223	15.002	15.002	(1.150)	2941	1.00000	1.2
94 Naphthalene	128	15.087	15.087	(1.156)	28011	1.00000	0.99(a)
95 1,2,3-trichlorobenzene	180	15.254	15.254	(1.169)	11260	1.00000	1.1
103 Isopropyl Ether	45	4.846	4.846	(0.661)	29425	1.00000	0.96
104 Ethyl acetate	43	5.883	5.883	(0.803)	17911	2.00000	2.1
105 Cyclohexanone	55	11.672	11.672	(1.098)	7414	10.0000	8.9
106 Ethyl ether	59	2.770	2.770	(0.378)	6187	1.00000	0.95(a)
107 2-Nitropropane	43	8.332	8.332	(1.137)	3161	2.00000	1.7(a)
108 Tetrahydrofuran	42	6.324	6.324	(0.863)	14242	2.00000	4.6(a)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 1PPB.D
Lab Smp Id: 1PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3080807C.b\8260A.m
Misc Info:

Calibration Date: 08-AUG-2007
Calibration Time: 06:09
Client Smp ID: 1PPBCAL
Level: LOW
Sample Type: WATER

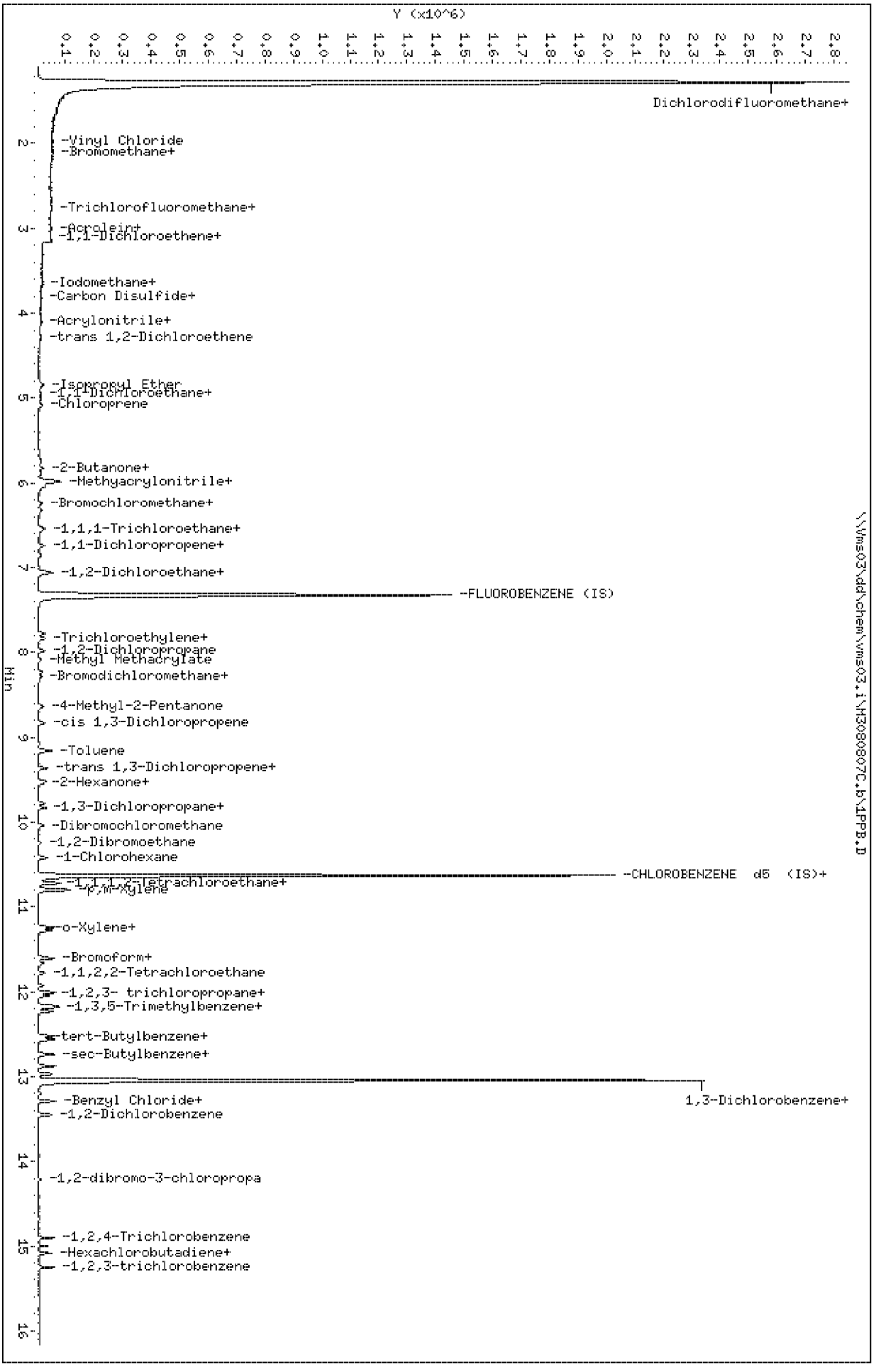
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1538145	769073	3076290	1495726	-2.76
63 CHLOROBENZENE d5	1065619	532810	2131238	1067124	0.14
86 1,4-DICHLOROBENZE	594676	297338	1189352	574281	-3.43

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.33	6.83	7.83	7.33	-0.01
63 CHLOROBENZENE d5	10.63	10.13	11.13	10.63	-0.00
86 1,4-DICHLOROBENZE	13.05	12.55	13.55	13.05	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3080807C.b\1PPB.D
Date : 08-AUG-2007 09:24
Client ID: 1PPBCAL
Sample Info: 1PPBCAL
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



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Data file : \\Vms03\dd\chem\vms03.i\M3080807C.b\2PPB.D
Lab Smp Id: 2PPBCAL Client Smp ID: 2PPBCAL
Inj Date : 08-AUG-2007 09:00
Operator : Inst ID: vms03.i
Smp Info : 2PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3080807C.b\8260A.m
Meth Date : 15-Aug-2007 08:36 mjacobs Quant Type: ISTD
Cal Date : 08-AUG-2007 08:36 Cal File: 5PPB.D
Als bottle: 10 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				48031	4.00000	(a)
M 2 Xylenes (Total)	100				144120	6.00000	(a)
M 3 Trihalomethanes (Total)	100				77130	2.00000	(a)
4 Dichlorodifluoromethane	85	1.424	1.405	(0.194)	10691	2.00000	1.8
5 Chloromethane	50	1.638	1.620	(0.224)	25423	2.00000	2.6
6 Vinyl Chloride	62	1.742	1.738	(0.238)	16725	2.00000	2.3
7 Bromomethane	96	2.133	2.132	(0.291)	8945	2.00000	2.0(Q)
8 Chloroethane	64	2.216	2.242	(0.302)	11909	2.00000	2.2(T)
9 Trichlorofluoromethane	101	2.465	2.458	(0.336)	18723	2.00000	2.1
10 Acrolein	56	2.952	2.940	(0.403)	5951	4.00000	4.2(q)
11 1,1,2 Trichlorotrifluoromethan	101	2.977	2.955	(0.406)	13922	2.00000	2.0(aq)
12 Acetone	43	3.023	3.024	(0.413)	9971	4.00000	4.3(Ta)
13 1,1-Dichloroethene	61	3.177	3.174	(0.434)	31140	2.00000	2.0
109 t-Butyl-Alcohol	59	3.306	3.300	(0.451)	12149	20.0000	15.3(TQ)
14 Acetonitrile	41	3.388	3.349	(0.462)	22136	20.0000	20.2(T)
15 Iodomethane	142	3.589	3.555	(0.490)	18335	2.00000	2.0(q)
16 Methyl Acetate	43	3.642	3.632	(0.497)	15811	2.00000	2.2(T)
17 Allyl Chloride	41	3.695	3.658	(0.504)	32941	2.00000	2.4(T)
18 Carbon Disulfide	76	3.818	3.813	(0.521)	67491	2.00000	2.1
19 Methylene Chloride	49	3.877	3.864	(0.529)	32615	2.00000	2.2
20 Acrylonitrile	53	4.067	4.045	(0.555)	13713	4.00000	3.8
21 Methyl-tert-butyl ether	73	4.111	4.108	(0.561)	32026	2.00000	1.8
22 trans 1,2-Dichloroethene	61	4.310	4.294	(0.588)	29200	2.00000	2.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	4.953	4.944	(0.676)	34236	2.00000	2.1
	24 Vinyl Acetate	43	5.015	5.009	(0.684)	36333	2.00000	1.9
	25 Chloroprene	53	5.084	5.085	(0.694)	26692	2.00000	1.9
	26 2-Butanone	43	5.627	5.626	(0.768)	20145	4.00000	4.3(a)
	27 Propionitrile	54	5.729	5.725	(0.782)	25943	20.0000	18.0
	28 2,2-Dichloropropane	77	5.761	5.761	(0.786)	9121	2.00000	1.7
	29 cis-1,2-Dichloroethene	96	5.831	5.827	(0.796)	18831	2.00000	1.9
	30 Methyacrylonitrile	67	5.985	5.981	(0.817)	72816	20.0000	18.4
	31 Isobutyl Alcohol	43	6.063	6.062	(0.827)	12109	40.0000	35.4(TQ)
	32 Chloroform	83	6.045	6.043	(0.825)	31325	2.00000	2.0
	33 Bromochloromethane	49	6.241	6.240	(0.852)	18286	2.00000	2.0
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.326	6.326	(0.863)	16919	2.00000	2.3
	35 1,1,1-Trichloroethane	97	6.542	6.546	(0.893)	20050	2.00000	1.9
	36 Cyclohexane	56	6.549	6.547	(0.894)	30899	2.00000	2.0(a)
	37 1,1-Dichloropropene	75	6.746	6.744	(0.921)	24456	2.00000	2.0
	38 Carbon tetrachloride	117	6.858	6.853	(0.936)	15514	2.00000	1.8
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.951	6.951	(0.948)	4140	2.00000	2.3(Q)
	40 1,2-Dichloroethane	62	7.062	7.061	(0.964)	25873	2.00000	2.0
	41 Benzene	78	7.063	7.061	(0.964)	83320	2.00000	2.1
*	42 FLUOROBENZENE (IS)	96	7.329	7.327	(1.000)	1545351	50.0000	
	43 Trichloroethylene	130	7.781	7.776	(1.062)	17549	2.00000	2.1
	44 Methyl Cyclohexane	55	7.835	7.834	(1.069)	22967	2.00000	2.1(a)
	45 1,2-Dichloropropane	63	7.980	7.980	(1.089)	20252	2.00000	2.0
	46 Methyl Methacrylate	69	8.083	8.079	(1.103)	10318	2.00000	1.7
	47 Bromodichloromethane	83	8.233	8.231	(1.123)	23725	2.00000	2.0
	48 1,4 Dioxane	88	8.290	8.293	(1.131)	1885	40.0000	21.2(Q)
	49 Dibromomethane	93	8.287	8.288	(1.131)	12408	2.00000	2.1
	50 4-Methyl-2-Pentanone	43	8.633	8.635	(0.662)	34404	4.00000	3.7(a)
	51 2-Hexanone	43	9.545	9.546	(0.898)	24070	4.00000	3.3(a)
	52 cis 1,3-Dichloropropene	75	8.831	8.831	(1.205)	26595	2.00000	1.8
$	53 TOLUENE d8 (surr)	98	9.076	9.076	(1.238)	71512	2.00000	2.4
	54 Toluene	92	9.159	9.159	(1.250)	47873	2.00000	2.0
	55 trans 1,3-Dichloropropene	75	9.363	9.362	(1.278)	20698	2.00000	1.7
	56 Ethyl Methacrylate	69	9.369	9.367	(1.278)	17732	2.00000	1.6
	57 1,1,2-Trichloroethane	97	9.520	9.516	(1.299)	15881	2.00000	1.9
	58 1,3-Dichloropropane	76	9.779	9.779	(0.920)	28249	2.00000	1.9
	59 Tetrachloroethylene	164	9.829	9.829	(0.925)	12481	2.00000	2.0
	60 Dibromochloromethane	129	10.037	10.036	(0.944)	14324	2.00000	1.7
	61 1,2-Dibromoethane	107	10.242	10.241	(0.963)	15272	2.00000	1.9
	62 1-Chlorohexane	91	10.419	10.421	(0.980)	21427	2.00000	1.8
*	63 CHLOROBENZENE d5 (IS)	117	10.630	10.630	(1.000)	1116319	50.0000	
	64 Chlorobenzene	112	10.670	10.668	(1.004)	51959	2.00000	2.0
	65 1,1,1,2-Tetrachloroethane	131	10.714	10.715	(1.008)	12922	2.00000	1.8
	66 Ethylbenzene	106	10.723	10.723	(1.009)	28739	2.00000	2.1
	67 p,m-Xylene	106	10.803	10.802	(1.016)	69199	4.00000	3.9
	68 o-Xylene	91	11.241	11.242	(1.057)	74921	2.00000	1.9
	69 Styrene	104	11.279	11.280	(1.061)	51173	2.00000	1.8
	70 Bromoform	173	11.616	11.616	(1.093)	7756	2.00000	1.7
	71 1-Methylethylbenzene	105	11.606	11.606	(0.889)	80382	2.00000	2.0
	72 1,4-Dichloro-2-Butene	53	11.258	11.258	(0.863)	1086	4.00000	6.3(QM)
	73 1,1,2,2-Tetrachloroethane	83	11.782	11.781	(0.903)	22759	2.00000	2.0
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.857	11.857	(0.909)	29120	2.00000	2.5
	75 1,2,3- trichloropropane	110	11.931	11.930	(0.914)	6081	2.00000	1.9
	76 n-Propylbenzene	91	12.010	12.009	(0.920)	109196	2.00000	2.0

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	12.049	12.049	(0.923)	39616	2.00000	2.0
78 1,3,5-Trimethylbenzene	105	12.168	12.167	(0.933)	71579	2.00000	1.9
79 2-Chlorotoluene	91	12.186	12.185	(0.934)	69837	2.00000	1.9
80 4-Chlorotoluene	91	12.233	12.232	(0.938)	70649	2.00000	2.0
81 tert-Butylbenzene	119	12.528	12.527	(0.960)	65801	2.00000	2.0
82 1,2,4-trimethylbenzene	105	12.563	12.562	(0.963)	70591	2.00000	1.9
83 sec-Butylbenzene	105	12.740	12.740	(0.976)	87914	2.00000	1.9
84 p-Isopropyltoluene	119	12.878	12.878	(0.987)	69775	2.00000	1.9
85 1,3-Dichlorobenzene	146	12.973	12.975	(0.994)	39449	2.00000	2.1
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.048	13.048	(1.000)	585033	50.0000	
87 1,4-Dichlorobenzene	146	13.079	13.079	(1.002)	40039	2.00000	2.1
88 Benzyl Chloride	91	13.201	13.195	(1.012)	16388	2.00000	1.3
89 n-Butylbenzene	91	13.289	13.289	(1.018)	68783	2.00000	1.9
90 1,2-Dichlorobenzene	146	13.451	13.450	(1.031)	37253	2.00000	2.0
91 1,2-dibromo-3-chloropropane	75	14.217	14.217	(1.090)	2971	2.00000	1.7
92 1,2,4-Trichlorobenzene	180	14.909	14.904	(1.143)	23778	2.00000	2.1
93 Hexachlorobutadiene	223	15.009	15.002	(1.150)	5229	2.00000	2.1
94 Naphthalene	128	15.095	15.087	(1.157)	53406	2.00000	1.8
95 1,2,3-trichlorobenzene	180	15.264	15.254	(1.170)	20670	2.00000	2.1
103 Isopropyl Ether	45	4.849	4.846	(0.662)	61080	2.00000	1.9
104 Ethyl acetate	43	5.889	5.883	(0.804)	34981	4.00000	3.9
105 Cyclohexanone	55	11.670	11.672	(1.098)	9978	20.0000	10.5
106 Ethyl ether	59	2.778	2.770	(0.379)	12680	2.00000	1.8(aq)
107 2-Nitropropane	43	8.333	8.332	(1.137)	6024	4.00000	3.0(a)
108 Tetrahydrofuran	42	6.330	6.324	(0.864)	18725	4.00000	6.3(a)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 2PPB.D
Lab Smp Id: 2PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3080807C.b\8260A.m
Misc Info:

Calibration Date: 08-AUG-2007
Calibration Time: 06:09
Client Smp ID: 2PPBCAL
Level: LOW
Sample Type: WATER

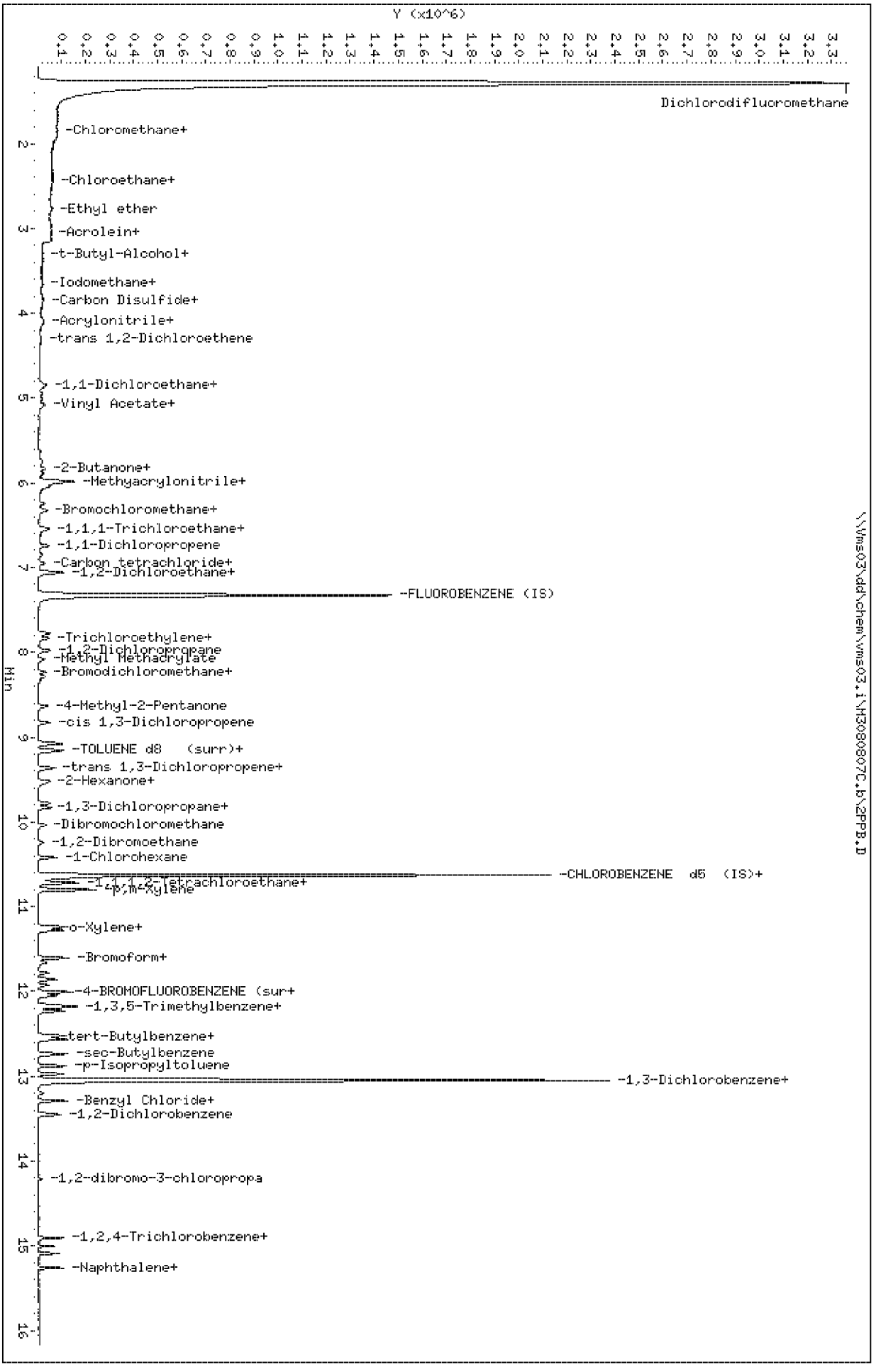
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1538145	769073	3076290	1545351	0.47
63 CHLOROBENZENE d5	1065619	532810	2131238	1116319	4.76
86 1,4-DICHLOROBENZE	594676	297338	1189352	585033	-1.62

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.33	6.83	7.83	7.33	0.02
63 CHLOROBENZENE d5	10.63	10.13	11.13	10.63	-0.00
86 1,4-DICHLOROBENZE	13.05	12.55	13.55	13.05	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3080807C.b\2PPB.D
Date : 08-AUG-2007 09:00
Client ID: 2PPBCAL
Sample Info: 2PPBCAL
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



\\Vms03\dd\chem\vms03.i\M3080807C.b\2PPB.D

Page 5

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3080807C.b\5PPB.D
Lab Smp Id: 5PPBCAL Client Smp ID: 5PPBCAL
Inj Date : 08-AUG-2007 08:36
Operator : Inst ID: vms03.i
Smp Info : 5PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3080807C.b\8260A.m
Meth Date : 15-Aug-2007 08:36 mjacobs Quant Type: ISTD
Cal Date : 08-AUG-2007 08:12 Cal File: 10PPB.D
Als bottle: 9 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				123008	10.0000	(a)
M 2 Xylenes (Total)	100				365668	15.0000	(a)
M 3 Trihalomethanes (Total)	100				198952	5.00000	(a)
4 Dichlorodifluoromethane	85	1.420	1.405	(0.194)	31404	5.00000	5.3
5 Chloromethane	50	1.639	1.620	(0.224)	56157	5.00000	5.9
6 Vinyl Chloride	62	1.737	1.738	(0.237)	42083	5.00000	5.9
7 Bromomethane	96	2.131	2.132	(0.291)	24236	5.00000	5.8(q)
8 Chloroethane	64	2.216	2.242	(0.302)	30063	5.00000	5.8(T)
9 Trichlorofluoromethane	101	2.463	2.458	(0.336)	46050	5.00000	5.4
10 Acrolein	56	2.938	2.940	(0.401)	15647	10.0000	11.4(q)
11 1,1,2 Trichlorotrifluoromethan	101	2.968	2.955	(0.405)	38812	5.00000	5.6(aq)
12 Acetone	43	3.013	3.024	(0.411)	22568	10.0000	9.9(Ta)
13 1,1-Dichloroethene	61	3.177	3.174	(0.434)	77812	5.00000	5.2
109 t-Butyl-Alcohol	59	3.292	3.300	(0.449)	40593	50.0000	51.9(Tq)
14 Acetonitrile	41	3.364	3.349	(0.459)	61780	50.0000	58.4
15 Iodomethane	142	3.576	3.555	(0.488)	46927	5.00000	5.0(q)
16 Methyl Acetate	43	3.632	3.632	(0.496)	41257	5.00000	5.8(T)
17 Allyl Chloride	41	3.661	3.658	(0.500)	69538	5.00000	5.0
18 Carbon Disulfide	76	3.814	3.813	(0.521)	165529	5.00000	5.2
19 Methylene Chloride	49	3.877	3.864	(0.529)	73119	5.00000	5.0
20 Acrylonitrile	53	4.050	4.045	(0.553)	37759	10.0000	10.6
21 Methyl-tert-butyl ether	73	4.106	4.108	(0.560)	91192	5.00000	5.2
22 trans 1,2-Dichloroethene	61	4.286	4.294	(0.585)	72276	5.00000	5.4

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
23 1,1-Dichloroethane	63	4.950	4.944	(0.676)	86836	5.00000	5.3
24 Vinyl Acetate	43	5.009	5.009	(0.684)	95395	5.00000	4.9
25 Chloroprene	53	5.082	5.085	(0.694)	73772	5.00000	5.2
26 2-Butanone	43	5.624	5.626	(0.768)	55098	10.0000	12.5
27 Propionitrile	54	5.723	5.725	(0.781)	76264	50.0000	54.2
28 2,2-Dichloropropane	77	5.764	5.761	(0.787)	26727	5.00000	5.2
29 cis-1,2-Dichloroethene	96	5.829	5.827	(0.795)	50732	5.00000	5.2
30 Methyacrylonitrile	67	5.978	5.981	(0.816)	196020	50.0000	49.9
31 Isobutyl Alcohol	43	6.059	6.062	(0.827)	45373	100.000	144(TQ)
32 Chloroform	83	6.039	6.043	(0.824)	82587	5.00000	5.2
33 Bromochloromethane	49	6.244	6.240	(0.852)	47869	5.00000	5.2
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.327	6.326	(0.863)	34618	5.00000	4.8
35 1,1,1-Trichloroethane	97	6.549	6.546	(0.894)	52947	5.00000	5.2
36 Cyclohexane	56	6.548	6.547	(0.894)	79039	5.00000	5.1(a)
37 1,1-Dichloropropene	75	6.746	6.744	(0.921)	63920	5.00000	5.3
38 Carbon tetrachloride	117	6.851	6.853	(0.935)	40570	5.00000	4.8
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.950	6.951	(0.948)	8950	5.00000	5.1(q)
40 1,2-Dichloroethane	62	7.062	7.061	(0.964)	67002	5.00000	5.3
41 Benzene	78	7.061	7.061	(0.964)	204253	5.00000	5.3
* 42 FLUOROBENZENE (IS)	96	7.327	7.327	(1.000)	1532034	50.0000	
43 Trichloroethylene	130	7.777	7.776	(1.061)	44403	5.00000	5.3
44 Methyl Cyclohexane	55	7.836	7.834	(1.069)	56135	5.00000	5.2(a)
45 1,2-Dichloropropane	63	7.980	7.980	(1.089)	52444	5.00000	5.3
46 Methyl Methacrylate	69	8.085	8.079	(1.103)	28924	5.00000	4.8
47 Bromodichloromethane	83	8.233	8.231	(1.124)	58614	5.00000	5.0
48 1,4 Dioxane	88	8.287	8.293	(1.131)	7682	100.000	85.2(Q)
49 Dibromomethane	93	8.286	8.288	(1.131)	29919	5.00000	5.1
50 4-Methyl-2-Pentanone	43	8.630	8.635	(0.661)	90984	10.0000	9.8
51 2-Hexanone	43	9.543	9.546	(0.898)	71297	10.0000	10.1
52 cis 1,3-Dichloropropene	75	8.832	8.831	(1.205)	70179	5.00000	4.8
$ 53 TOLUENE d8 (surr)	98	9.076	9.076	(1.239)	145547	5.00000	4.9
54 Toluene	92	9.158	9.159	(1.250)	121249	5.00000	5.1
55 trans 1,3-Dichloropropene	75	9.361	9.362	(1.277)	56434	5.00000	4.5
56 Ethyl Methacrylate	69	9.368	9.367	(1.278)	50041	5.00000	4.6
57 1,1,2-Trichloroethane	97	9.519	9.516	(1.299)	40755	5.00000	5.0
58 1,3-Dichloropropane	76	9.779	9.779	(0.920)	73639	5.00000	5.2
59 Tetrachloroethylene	164	9.833	9.829	(0.925)	31438	5.00000	5.2
60 Dibromochloromethane	129	10.038	10.036	(0.944)	37929	5.00000	4.6
61 1,2-Dibromoethane	107	10.242	10.241	(0.964)	38952	5.00000	4.9
62 1-Chlorohexane	91	10.420	10.421	(0.980)	55048	5.00000	4.8
* 63 CHLOROBENZENE d5 (IS)	117	10.630	10.630	(1.000)	1089753	50.0000	
64 Chlorobenzene	112	10.669	10.668	(1.004)	129527	5.00000	5.3
65 1,1,1,2-Tetrachloroethane	131	10.714	10.715	(1.008)	34629	5.00000	4.8
66 Ethylbenzene	106	10.725	10.723	(1.009)	69515	5.00000	5.2
67 p,m-Xylene	106	10.803	10.802	(1.016)	175763	10.0000	10.2
68 o-Xylene	91	11.243	11.242	(1.058)	189905	5.00000	5.0
69 Styrene	104	11.279	11.280	(1.061)	134959	5.00000	4.8
70 Bromoform	173	11.616	11.616	(1.093)	19822	5.00000	4.4
71 1-Methylethylbenzene	105	11.605	11.606	(0.889)	210351	5.00000	5.1
72 1,4-Dichloro-2-Butene	53	11.276	11.258	(0.864)	1951	10.0000	11.5(q)
73 1,1,2,2-Tetrachloroethane	83	11.782	11.781	(0.903)	57887	5.00000	5.1
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.858	11.857	(0.909)	57252	5.00000	4.8
75 1,2,3- trichloropropane	110	11.928	11.930	(0.914)	15875	5.00000	5.0
76 n-Propylbenzene	91	12.009	12.009	(0.920)	275909	5.00000	5.0

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	12.050	12.049	(0.924)	102207	5.00000	5.2
78 1,3,5-Trimethylbenzene	105	12.168	12.167	(0.933)	182949	5.00000	4.9
79 2-Chlorotoluene	91	12.186	12.185	(0.934)	186691	5.00000	5.1
80 4-Chlorotoluene	91	12.233	12.232	(0.938)	184464	5.00000	5.3
81 tert-Butylbenzene	119	12.527	12.527	(0.960)	164586	5.00000	4.9
82 1,2,4-trimethylbenzene	105	12.563	12.562	(0.963)	187217	5.00000	5.0
83 sec-Butylbenzene	105	12.740	12.740	(0.976)	225343	5.00000	4.9
84 p-Isopropyltoluene	119	12.878	12.878	(0.987)	182967	5.00000	4.8
85 1,3-Dichlorobenzene	146	12.972	12.975	(0.994)	97485	5.00000	5.0
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.048	13.048	(1.000)	591839	50.0000	
87 1,4-Dichlorobenzene	146	13.079	13.079	(1.002)	99487	5.00000	5.3
88 Benzyl Chloride	91	13.196	13.195	(1.011)	44937	5.00000	3.3
89 n-Butylbenzene	91	13.289	13.289	(1.018)	175060	5.00000	4.8
90 1,2-Dichlorobenzene	146	13.451	13.450	(1.031)	95731	5.00000	5.1
91 1,2-dibromo-3-chloropropane	75	14.216	14.217	(1.090)	7979	5.00000	4.3
92 1,2,4-Trichlorobenzene	180	14.905	14.904	(1.142)	59514	5.00000	5.2
93 Hexachlorobutadiene	223	15.004	15.002	(1.150)	13640	5.00000	5.6
94 Naphthalene	128	15.089	15.087	(1.156)	148860	5.00000	5.1
95 1,2,3-trichlorobenzene	180	15.257	15.254	(1.169)	52504	5.00000	5.3
103 Isopropyl Ether	45	4.844	4.846	(0.661)	162730	5.00000	5.1
104 Ethyl acetate	43	5.882	5.883	(0.803)	86916	10.0000	9.8
105 Cyclohexanone	55	11.669	11.672	(1.098)	43928	50.0000	46.8
106 Ethyl ether	59	2.771	2.770	(0.378)	35743	5.00000	5.3(aQ)
107 2-Nitropropane	43	8.332	8.332	(1.137)	17172	10.0000	8.3(a)
108 Tetrahydrofuran	42	6.321	6.324	(0.863)	36275	10.0000	12.8

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 5PPB.D
Lab Smp Id: 5PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3080807C.b\8260A.m
Misc Info:

Calibration Date: 08-AUG-2007
Calibration Time: 06:09
Client Smp ID: 5PPBCAL
Level: LOW
Sample Type: WATER

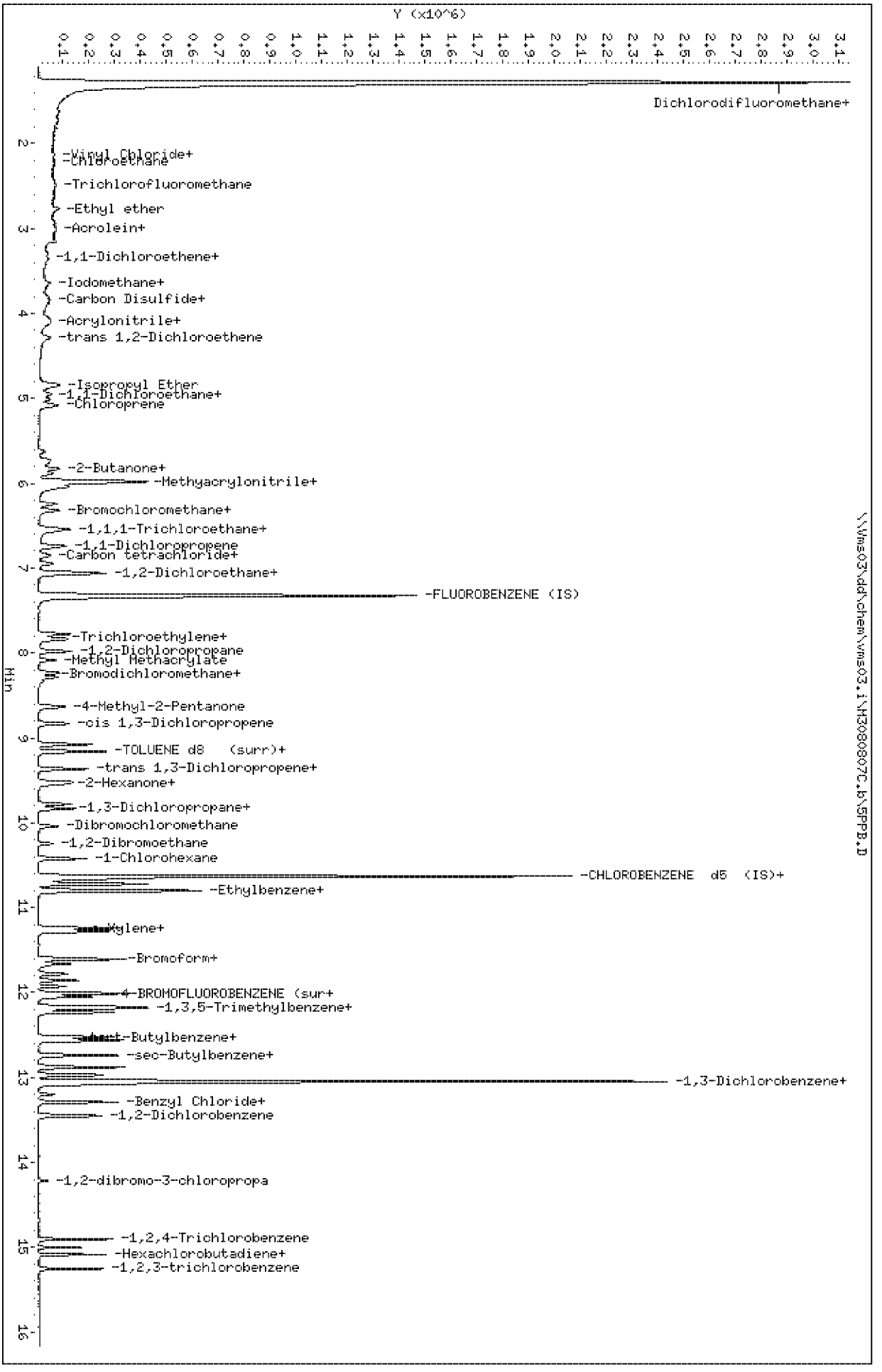
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1538145	769073	3076290	1532034	-0.40
63 CHLOROBENZENE d5	1065619	532810	2131238	1089753	2.26
86 1,4-DICHLOROBENZE	594676	297338	1189352	591839	-0.48

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.33	6.83	7.83	7.33	0.00
63 CHLOROBENZENE d5	10.63	10.13	11.13	10.63	-0.00
86 1,4-DICHLOROBENZE	13.05	12.55	13.55	13.05	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3080807C.b\5PPB.D
Date : 08-AUG-2007 08:36
Client ID: 5PPBCAL
Sample Info: 5PPBCAL
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



Page 5

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Data file : \\Vms03\dd\chem\vms03.i\M3080807C.b\10PPB.D
Lab Smp Id: 10PPBCAL Client Smp ID: 10PPBCAL
Inj Date : 08-AUG-2007 08:12
Operator : Inst ID: vms03.i
Smp Info : 10PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3080807C.b\8260A.m
Meth Date : 15-Aug-2007 08:36 mjacobs Quant Type: ISTD
Cal Date : 08-AUG-2007 07:48 Cal File: 20PPB.D
Als bottle: 8 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				224586	20.0000	(a)
M 2 Xylenes (Total)	100				709409	30.0000	(a)
M 3 Trihalomethanes (Total)	100				389375	10.0000	(a)
4 Dichlorodifluoromethane	85	1.419	1.405	(0.194)	50029	10.0000	8.1
5 Chloromethane	50	1.627	1.620	(0.222)	91317	10.0000	9.4
6 Vinyl Chloride	62	1.733	1.738	(0.237)	71968	10.0000	10.0
7 Bromomethane	96	2.134	2.132	(0.291)	40647	10.0000	9.5(q)
8 Chloroethane	64	2.214	2.242	(0.302)	48931	10.0000	9.1
9 Trichlorofluoromethane	101	2.459	2.458	(0.336)	76197	10.0000	8.5
10 Acrolein	56	2.932	2.940	(0.400)	27623	20.0000	20.0(q)
11 1,1,2 Trichlorotrifluoromethan	101	2.969	2.955	(0.405)	65404	10.0000	9.2(aq)
12 Acetone	43	3.005	3.024	(0.410)	54368	20.0000	24.8(T)
13 1,1-Dichloroethene	61	3.174	3.174	(0.433)	141413	10.0000	9.2
109 t-Butyl-Alcohol	59	3.288	3.300	(0.449)	79944	100.000	101(Q)
14 Acetonitrile	41	3.353	3.349	(0.458)	123160	100.000	120
15 Iodomethane	142	3.570	3.555	(0.487)	93981	10.0000	10.0(q)
16 Methyl Acetate	43	3.629	3.632	(0.495)	81420	10.0000	11.7
17 Allyl Chloride	41	3.653	3.658	(0.499)	137036	10.0000	9.8(q)
18 Carbon Disulfide	76	3.814	3.813	(0.520)	312644	10.0000	9.6
19 Methylene Chloride	49	3.869	3.864	(0.528)	146326	10.0000	9.9
20 Acrylonitrile	53	4.051	4.045	(0.553)	76199	20.0000	21.5
21 Methyl-tert-butyl ether	73	4.103	4.108	(0.560)	187659	10.0000	10.8
22 trans 1,2-Dichloroethene	61	4.283	4.294	(0.584)	129906	10.0000	9.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	4.949	4.944	(0.675)	163767	10.0000	9.9
	24 Vinyl Acetate	43	5.008	5.009	(0.683)	181260	10.0000	9.1
	25 Chloroprene	53	5.082	5.085	(0.694)	138477	10.0000	9.6
	26 2-Butanone	43	5.619	5.626	(0.767)	92154	20.0000	20.8
	27 Propionitrile	54	5.720	5.725	(0.781)	148110	100.000	105
	28 2,2-Dichloropropane	77	5.761	5.761	(0.786)	54202	10.0000	10.5
	29 cis-1,2-Dichloroethene	96	5.829	5.827	(0.795)	94680	10.0000	9.5
	30 Methyacrylonitrile	67	5.977	5.981	(0.816)	398084	100.000	100
	31 Isobutyl Alcohol	43	6.056	6.062	(0.826)	67896	200.000	216(TQ)
	32 Chloroform	83	6.042	6.043	(0.825)	159727	10.0000	10.0
	33 Bromochloromethane	49	6.243	6.240	(0.852)	91194	10.0000	9.8
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.324	6.326	(0.863)	66412	10.0000	9.0
	35 1,1,1-Trichloroethane	97	6.548	6.546	(0.894)	100319	10.0000	9.6
	36 Cyclohexane	56	6.547	6.547	(0.893)	148759	10.0000	9.4(a)
	37 1,1-Dichloropropene	75	6.745	6.744	(0.920)	118880	10.0000	9.7
	38 Carbon tetrachloride	117	6.850	6.853	(0.935)	78870	10.0000	9.0
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.951	6.951	(0.949)	16714	10.0000	9.4(Q)
	40 1,2-Dichloroethane	62	7.061	7.061	(0.964)	128218	10.0000	10
	41 Benzene	78	7.061	7.061	(0.964)	380483	10.0000	9.7
*	42 FLUOROBENZENE (IS)	96	7.328	7.327	(1.000)	1548815	50.0000	
	43 Trichloroethylene	130	7.777	7.776	(1.061)	82493	10.0000	9.7
	44 Methyl Cyclohexane	55	7.835	7.834	(1.069)	107993	10.0000	9.8(a)
	45 1,2-Dichloropropane	63	7.980	7.980	(1.089)	98863	10.0000	9.8
	46 Methyl Methacrylate	69	8.083	8.079	(1.103)	58525	10.0000	9.4
	47 Bromodichloromethane	83	8.234	8.231	(1.124)	113274	10.0000	9.4
	48 1,4 Dioxane	88	8.283	8.293	(1.130)	19194	200.000	213(Q)
	49 Dibromomethane	93	8.284	8.288	(1.130)	59771	10.0000	10.1
	50 4-Methyl-2-Pentanone	43	8.630	8.635	(0.661)	190119	20.0000	20.5
	51 2-Hexanone	43	9.542	9.546	(0.898)	142256	20.0000	20.1
	52 cis 1,3-Dichloropropene	75	8.831	8.831	(1.205)	137213	10.0000	9.0
$	53 TOLUENE d8 (surr)	98	9.076	9.076	(1.239)	274058	10.0000	8.9
	54 Toluene	92	9.158	9.159	(1.250)	233135	10.0000	9.7
	55 trans 1,3-Dichloropropene	75	9.362	9.362	(1.278)	112882	10.0000	8.7
	56 Ethyl Methacrylate	69	9.368	9.367	(1.278)	103106	10.0000	9.2
	57 1,1,2-Trichloroethane	97	9.518	9.516	(1.299)	81086	10.0000	9.9
	58 1,3-Dichloropropane	76	9.779	9.779	(0.920)	142339	10.0000	9.9
	59 Tetrachloroethylene	164	9.832	9.829	(0.925)	58275	10.0000	9.5
	60 Dibromochloromethane	129	10.039	10.036	(0.944)	75579	10.0000	8.8
	61 1,2-Dibromoethane	107	10.243	10.241	(0.964)	77974	10.0000	9.6
	62 1-Chlorohexane	91	10.419	10.421	(0.980)	107721	10.0000	9.3
*	63 CHLOROBENZENE d5 (IS)	117	10.630	10.630	(1.000)	1097021	50.0000	
	64 Chlorobenzene	112	10.669	10.668	(1.004)	243679	10.0000	9.8
	65 1,1,1,2-Tetrachloroethane	131	10.717	10.715	(1.008)	66445	10.0000	9.0(q)
	66 Ethylbenzene	106	10.725	10.723	(1.009)	130611	10.0000	9.6
	67 p,m-Xylene	106	10.804	10.802	(1.016)	339959	20.0000	19.4
	68 o-Xylene	91	11.243	11.242	(1.058)	369450	10.0000	9.5
	69 Styrene	104	11.279	11.280	(1.061)	266943	10.0000	9.3
	70 Bromoform	173	11.617	11.616	(1.093)	40795	10.0000	8.7
	71 1-Methylethylbenzene	105	11.606	11.606	(0.889)	395909	10.0000	9.6
	72 1,4-Dichloro-2-Butene	53	11.277	11.258	(0.864)	3774	20.0000	22.8(Q)
	73 1,1,2,2-Tetrachloroethane	83	11.782	11.781	(0.903)	114943	10.0000	10.2
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.858	11.857	(0.909)	111064	10.0000	9.2
	75 1,2,3- trichloropropane	110	11.928	11.930	(0.914)	33071	10.0000	10.4
	76 n-Propylbenzene	91	12.009	12.009	(0.920)	538526	10.0000	9.6

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	12.049	12.049	(0.923)	193840	10.0000	9.9
78 1,3,5-Trimethylbenzene	105	12.169	12.167	(0.933)	362010	10.0000	9.6
79 2-Chlorotoluene	91	12.186	12.185	(0.934)	360672	10.0000	9.7
80 4-Chlorotoluene	91	12.234	12.232	(0.938)	349728	10.0000	10.1
81 tert-Butylbenzene	119	12.528	12.527	(0.960)	323213	10.0000	9.5
82 1,2,4-trimethylbenzene	105	12.563	12.562	(0.963)	365891	10.0000	9.6
83 sec-Butylbenzene	105	12.740	12.740	(0.976)	446341	10.0000	9.7
84 p-Isopropyltoluene	119	12.878	12.878	(0.987)	363420	10.0000	9.5
85 1,3-Dichlorobenzene	146	12.973	12.975	(0.994)	190755	10.0000	9.8
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.049	13.048	(1.000)	592505	50.0000	
87 1,4-Dichlorobenzene	146	13.080	13.079	(1.002)	188341	10.0000	10
88 Benzyl Chloride	91	13.198	13.195	(1.011)	99222	10.0000	6.8
89 n-Butylbenzene	91	13.290	13.289	(1.019)	349016	10.0000	9.4
90 1,2-Dichlorobenzene	146	13.451	13.450	(1.031)	186439	10.0000	10.0
91 1,2-dibromo-3-chloropropane	75	14.217	14.217	(1.090)	17664	10.0000	9.5
92 1,2,4-Trichlorobenzene	180	14.909	14.904	(1.143)	116758	10.0000	10.2
93 Hexachlorobutadiene	223	15.009	15.002	(1.150)	25896	10.0000	10.7
94 Naphthalene	128	15.094	15.087	(1.157)	297722	10.0000	10.1
95 1,2,3-trichlorobenzene	180	15.264	15.254	(1.170)	103114	10.0000	10.6
103 Isopropyl Ether	45	4.842	4.846	(0.661)	323572	10.0000	10.1
104 Ethyl acetate	43	5.879	5.883	(0.802)	177278	20.0000	19.6
105 Cyclohexanone	55	11.668	11.672	(1.098)	103749	100.000	113
106 Ethyl ether	59	2.767	2.770	(0.378)	74149	10.0000	11.1(q)
107 2-Nitropropane	43	8.331	8.332	(1.137)	36794	20.0000	17.1
108 Tetrahydrofuran	42	6.317	6.324	(0.862)	62281	20.0000	22.3

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 10PPB.D
Lab Smp Id: 10PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3080807C.b\8260A.m
Misc Info:

Calibration Date: 08-AUG-2007
Calibration Time: 06:09
Client Smp ID: 10PPBCAL
Level: LOW
Sample Type: WATER

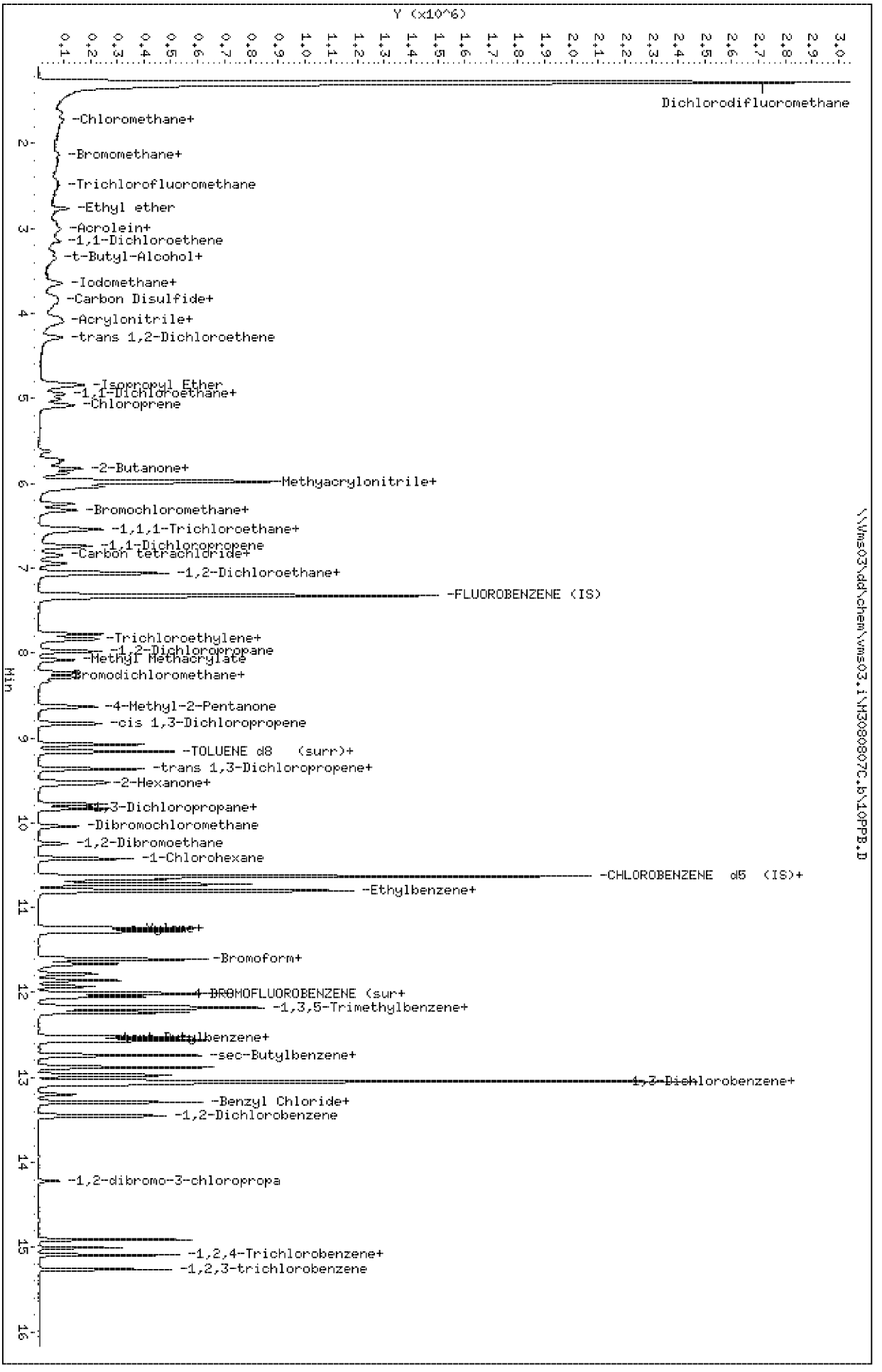
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1538145	769073	3076290	1548815	0.69
63 CHLOROBENZENE d5	1065619	532810	2131238	1097021	2.95
86 1,4-DICHLOROBENZE	594676	297338	1189352	592505	-0.37

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.33	6.83	7.83	7.33	0.01
63 CHLOROBENZENE d5	10.63	10.13	11.13	10.63	0.00
86 1,4-DICHLOROBENZE	13.05	12.55	13.55	13.05	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3080807C.b\10PPB.D
Date : 08-AUG-2007 08:12
Client ID: 10PPBCAL
Sample Info: 10PPBCAL
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3080807C.b\20PPB.D
Lab Smp Id: 20PPBCAL Client Smp ID: 20PPBCAL
Inj Date : 08-AUG-2007 07:48
Operator : Inst ID: vms03.i
Smp Info : 20PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3080807C.b\8260A.m
Meth Date : 15-Aug-2007 08:36 mjacobs Quant Type: ISTD
Cal Date : 08-AUG-2007 06:09 Cal File: 50PPB.D
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				477943	40.0000	(a)
M 2 Xylenes (Total)	100				1498185	60.0000	(a)
M 3 Trihalomethanes (Total)	100				813530	20.0000	(a)
4 Dichlorodifluoromethane	85	1.424	1.405	(0.194)	113287	20.0000	18.4
5 Chloromethane	50	1.634	1.620	(0.223)	198326	20.0000	20.5
6 Vinyl Chloride	62	1.741	1.738	(0.238)	150040	20.0000	21.0
7 Bromomethane	96	2.129	2.132	(0.291)	90056	20.0000	21.0(q)
8 Chloroethane	64	2.222	2.242	(0.303)	108453	20.0000	20.3
9 Trichlorofluoromethane	101	2.467	2.458	(0.337)	162633	20.0000	18.2
10 Acrolein	56	2.954	2.940	(0.403)	55401	40.0000	40.2(q)
11 1,1,2 Trichlorotrifluoromethan	101	2.969	2.955	(0.405)	151715	20.0000	21.4(q)
12 Acetone	43	3.016	3.024	(0.411)	87069	40.0000	39.7
13 1,1-Dichloroethene	61	3.182	3.174	(0.434)	299232	20.0000	19.6
109 t-Butyl-Alcohol	59	3.296	3.300	(0.450)	157020	200.000	200(Tq)
14 Acetonitrile	41	3.361	3.349	(0.459)	196739	200.000	201(M)
15 Iodomethane	142	3.577	3.555	(0.488)	185638	20.0000	19.8(q)
16 Methyl Acetate	43	3.638	3.632	(0.496)	153282	20.0000	22.2
17 Allyl Chloride	41	3.715	3.658	(0.507)	288941	20.0000	20.7(Tq)
18 Carbon Disulfide	76	3.821	3.813	(0.521)	645525	20.0000	19.8
19 Methylene Chloride	49	3.886	3.864	(0.530)	320989	20.0000	21.7
20 Acrylonitrile	53	4.055	4.045	(0.553)	134011	40.0000	37.8
21 Methyl-tert-butyl ether	73	4.107	4.108	(0.560)	328378	20.0000	19.0(q)
22 trans 1,2-Dichloroethene	61	4.296	4.294	(0.586)	276422	20.0000	20.5

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
23 1,1-Dichloroethane	63	4.953	4.944	(0.676)	332149	20.0000	20.2
24 Vinyl Acetate	43	5.011	5.009	(0.684)	385652	20.0000	19.5
25 Chloroprene	53	5.086	5.085	(0.694)	274536	20.0000	19.2
26 2-Butanone	43	5.621	5.626	(0.767)	183466	40.0000	41.6
27 Propionitrile	54	5.723	5.725	(0.781)	289280	200.000	206
28 2,2-Dichloropropane	77	5.765	5.761	(0.786)	98988	20.0000	19.2
29 cis-1,2-Dichloroethene	96	5.832	5.827	(0.796)	201521	20.0000	20.4
30 Methyacrylonitrile	67	5.981	5.981	(0.816)	827332	200.000	209
31 Isobutyl Alcohol	43	6.056	6.062	(0.826)	123507	400.000	393(Tq)
32 Chloroform	83	6.044	6.043	(0.825)	318496	20.0000	20.0
33 Bromochloromethane	49	6.247	6.240	(0.852)	185046	20.0000	19.8
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.327	6.326	(0.863)	152448	20.0000	20.6
35 1,1,1-Trichloroethane	97	6.550	6.546	(0.894)	210994	20.0000	20.3
36 Cyclohexane	56	6.550	6.547	(0.894)	313561	20.0000	19.8
37 1,1-Dichloropropene	75	6.747	6.744	(0.921)	246923	20.0000	20.2
38 Carbon tetrachloride	117	6.853	6.853	(0.935)	166126	20.0000	18.9
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.951	6.951	(0.948)	35986	20.0000	20.2
40 1,2-Dichloroethane	62	7.064	7.061	(0.964)	263926	20.0000	20.6
41 Benzene	78	7.062	7.061	(0.964)	797426	20.0000	20.4
* 42 FLUOROBENZENE (IS)	96	7.330	7.327	(1.000)	1545016	50.0000	
43 Trichloroethylene	130	7.779	7.776	(1.061)	172103	20.0000	20.3
44 Methyl Cyclohexane	55	7.837	7.834	(1.069)	218943	20.0000	19.9
45 1,2-Dichloropropane	63	7.982	7.980	(1.089)	204942	20.0000	20.3
46 Methyl Methacrylate	69	8.083	8.079	(1.103)	123424	20.0000	20.0
47 Bromodichloromethane	83	8.235	8.231	(1.124)	240868	20.0000	20.0
48 1,4 Dioxane	88	8.284	8.293	(1.130)	32950	400.000	367(q)
49 Dibromomethane	93	8.286	8.288	(1.130)	121380	20.0000	20.5
50 4-Methyl-2-Pentanone	43	8.633	8.635	(0.662)	383886	40.0000	41.2
51 2-Hexanone	43	9.543	9.546	(0.898)	292703	40.0000	40.8
52 cis 1,3-Dichloropropene	75	8.833	8.831	(1.205)	301902	20.0000	19.9
$ 53 TOLUENE d8 (surr)	98	9.077	9.076	(1.238)	623419	20.0000	20.4
54 Toluene	92	9.159	9.159	(1.250)	489000	20.0000	20.3
55 trans 1,3-Dichloropropene	75	9.363	9.362	(1.277)	249553	20.0000	19.2
56 Ethyl Methacrylate	69	9.368	9.367	(1.278)	222403	20.0000	19.8
57 1,1,2-Trichloroethane	97	9.519	9.516	(1.299)	167832	20.0000	20.5
58 1,3-Dichloropropane	76	9.780	9.779	(0.920)	292026	20.0000	20.1
59 Tetrachloroethylene	164	9.832	9.829	(0.925)	125090	20.0000	20.1
60 Dibromochloromethane	129	10.039	10.036	(0.944)	165808	20.0000	19.1
61 1,2-Dibromoethane	107	10.243	10.241	(0.963)	163945	20.0000	20.0
62 1-Chlorohexane	91	10.421	10.421	(0.980)	230461	20.0000	19.6
* 63 CHLOROBENZENE d5 (IS)	117	10.631	10.630	(1.000)	1113326	50.0000	
64 Chlorobenzene	112	10.670	10.668	(1.004)	502063	20.0000	20.0
65 1,1,1,2-Tetrachloroethane	131	10.717	10.715	(1.008)	143611	20.0000	19.3(q)
66 Ethylbenzene	106	10.727	10.723	(1.009)	273325	20.0000	19.8
67 p,m-Xylene	106	10.804	10.802	(1.016)	719353	40.0000	40.4
68 o-Xylene	91	11.242	11.242	(1.057)	778832	20.0000	19.7
69 Styrene	104	11.280	11.280	(1.061)	568401	20.0000	19.5
70 Bromoform	173	11.618	11.616	(1.093)	88358	20.0000	18.6
71 1-Methylethylbenzene	105	11.607	11.606	(0.889)	838016	20.0000	20.2
72 1,4-Dichloro-2-Butene	53	11.281	11.258	(0.864)	7556	40.0000	45.5(q)
73 1,1,2,2-Tetrachloroethane	83	11.783	11.781	(0.903)	236087	20.0000	20.9
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.859	11.857	(0.909)	250174	20.0000	20.6
75 1,2,3- trichloropropane	110	11.931	11.930	(0.914)	68241	20.0000	21.5
76 n-Propylbenzene	91	12.010	12.009	(0.920)	1147329	20.0000	20.3

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	12.050	12.049	(0.923)	405214	20.0000	20.6
78 1,3,5-Trimethylbenzene	105	12.170	12.167	(0.933)	758722	20.0000	20.0
79 2-Chlorotoluene	91	12.187	12.185	(0.934)	763756	20.0000	20.5
80 4-Chlorotoluene	91	12.235	12.232	(0.938)	720002	20.0000	20.7
81 tert-Butylbenzene	119	12.529	12.527	(0.960)	688775	20.0000	20.2
82 1,2,4-trimethylbenzene	105	12.564	12.562	(0.963)	770272	20.0000	20.2
83 sec-Butylbenzene	105	12.741	12.740	(0.976)	925884	20.0000	20.1
84 p-Isopropyltoluene	119	12.879	12.878	(0.987)	777068	20.0000	20.3
85 1,3-Dichlorobenzene	146	12.973	12.975	(0.994)	401235	20.0000	20.6
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.049	13.048	(1.000)	593793	50.0000	
87 1,4-Dichlorobenzene	146	13.082	13.079	(1.002)	387707	20.0000	20.5
88 Benzyl Chloride	91	13.199	13.195	(1.012)	242068	20.0000	16.6
89 n-Butylbenzene	91	13.291	13.289	(1.019)	747879	20.0000	20.2
90 1,2-Dichlorobenzene	146	13.453	13.450	(1.031)	385620	20.0000	20.7
91 1,2-dibromo-3-chloropropane	75	14.217	14.217	(1.089)	36990	20.0000	19.9
92 1,2,4-Trichlorobenzene	180	14.904	14.904	(1.142)	232975	20.0000	20.4
93 Hexachlorobutadiene	223	15.003	15.002	(1.150)	50210	20.0000	20.6
94 Naphthalene	128	15.087	15.087	(1.156)	613048	20.0000	20.8
95 1,2,3-trichlorobenzene	180	15.255	15.254	(1.169)	204920	20.0000	21.0
103 Isopropyl Ether	45	4.845	4.846	(0.661)	620853	20.0000	19.4
104 Ethyl acetate	43	5.882	5.883	(0.802)	361536	40.0000	40.1
105 Cyclohexanone	55	11.668	11.672	(1.097)	201919	200.000	216
106 Ethyl ether	59	2.777	2.770	(0.379)	119742	20.0000	18.0
107 2-Nitropropane	43	8.334	8.332	(1.137)	76737	40.0000	35.8
108 Tetrahydrofuran	42	6.316	6.324	(0.862)	124054	40.0000	44.6

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 20PPB.D
Lab Smp Id: 20PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3080807C.b\8260A.m
Misc Info:

Calibration Date: 08-AUG-2007
Calibration Time: 06:09
Client Smp ID: 20PPBCAL
Level: LOW
Sample Type: WATER

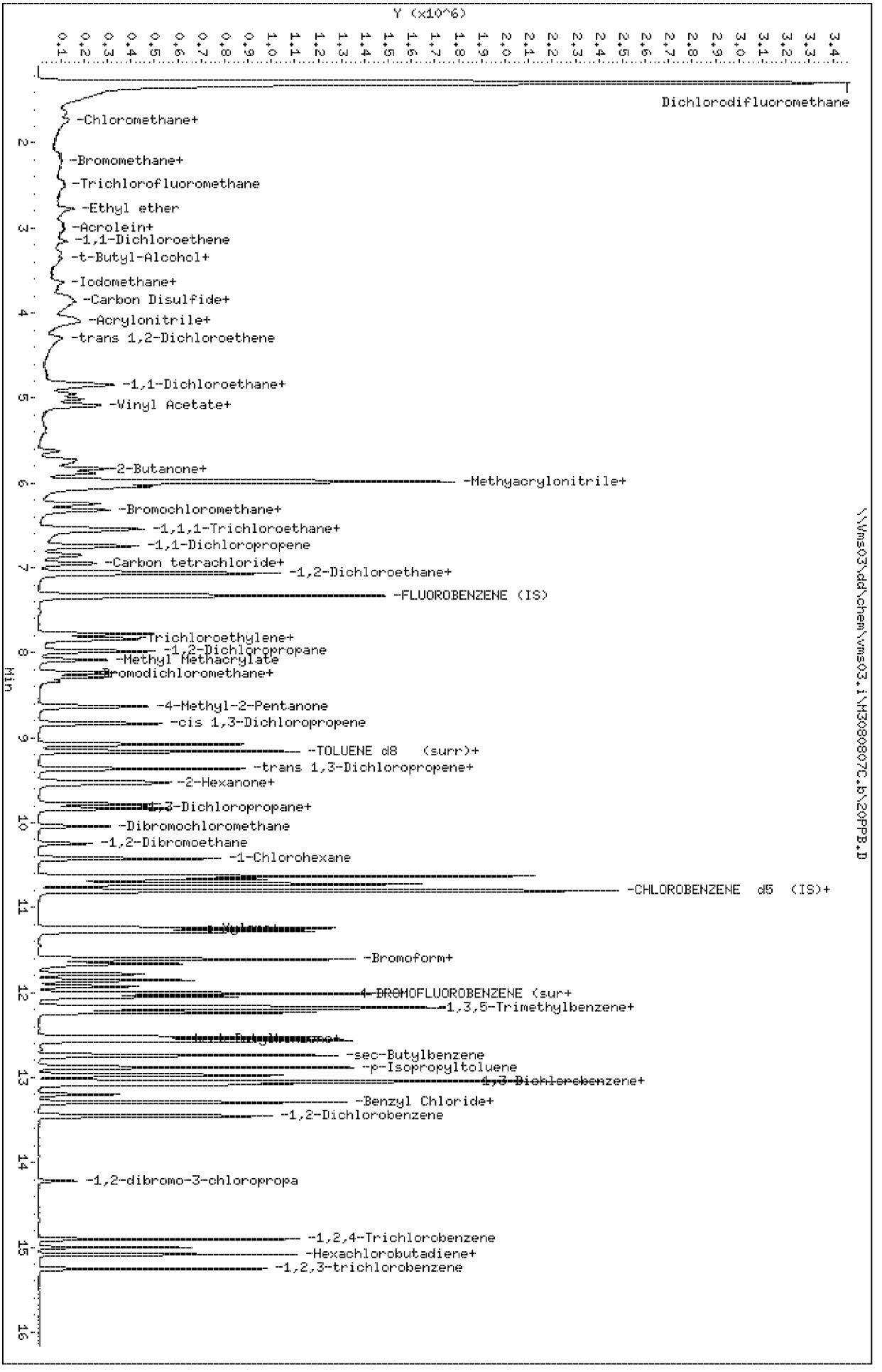
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1538145	769073	3076290	1545016	0.45
63 CHLOROBENZENE d5	1065619	532810	2131238	1113326	4.48
86 1,4-DICHLOROBENZE	594676	297338	1189352	593793	-0.15

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.33	6.83	7.83	7.33	0.04
63 CHLOROBENZENE d5	10.63	10.13	11.13	10.63	0.01
86 1,4-DICHLOROBENZE	13.05	12.55	13.55	13.05	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3080807C.b\20PPB.D
Date : 08-AUG-2007 07:48
Client ID: 20PPBCAL
Sample Info: 20PPBCAL
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



\\Vms03\dd\chem\vms03.i\M3080807C.b\20PPB.D

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3080807C.b\50PPB.D
Lab Smp Id: 080807CCVA32 Client Smp ID: 080807CCVA32
Inj Date : 08-AUG-2007 06:09
Operator : Inst ID: vms03.i
Smp Info : 080807CCVA32
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3080807C.b\8260A.m
Meth Date : 15-Aug-2007 08:36 mjacobs Quant Type: ISTD
Cal Date : 07-AUG-2007 12:06 Cal File: 1PPB.D
Als bottle: 3 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				1094666	100.000	(a)
M 2 Xylenes (Total)	100				3498879	150.000	(a)
M 3 Trihalomethanes (Total)	100				1984646	50.0000	(a)
4 Dichlorodifluoromethane	85	1.419	1.405	(0.194)	292506	50.0000	46.4
5 Chloromethane	50	1.625	1.620	(0.222)	447172	50.0000	46.9
6 Vinyl Chloride	62	1.727	1.738	(0.236)	324996	50.0000	46.4
7 Bromomethane	96	2.121	2.132	(0.290)	195243	50.0000	46.6(q)
8 Chloroethane	64	2.210	2.242	(0.302)	251308	50.0000	47.5
9 Trichlorofluoromethane	101	2.454	2.458	(0.335)	422369	50.0000	46.1
10 Acrolein	56	2.930	2.940	(0.400)	133974	100.000	97.7(q)
11 1,1,2 Trichlorotrifluoromethan	101	2.958	2.955	(0.404)	313230	50.0000	45.5(q)
12 Acetone	43	3.004	3.024	(0.410)	235402	100.000	108
13 1,1-Dichloroethene	61	3.170	3.174	(0.433)	704813	50.0000	46.1(Tq)
109 t-Butyl-Alcohol	59	3.285	3.300	(0.448)	389656	500.000	497(q)
14 Acetonitrile	41	3.352	3.349	(0.458)	564521	500.000	545
15 Iodomethane	142	3.566	3.555	(0.487)	440519	50.0000	47.1(q)
16 Methyl Acetate	43	3.629	3.632	(0.495)	345533	50.0000	52.1
17 Allyl Chloride	41	3.651	3.658	(0.498)	664062	50.0000	48.2(q)
18 Carbon Disulfide	76	3.809	3.813	(0.520)	1538863	50.0000	47.2
19 Methylene Chloride	49	3.861	3.864	(0.527)	660197	50.0000	46.2
20 Acrylonitrile	53	4.047	4.045	(0.552)	352284	100.000	98.1
21 Methyl-tert-butyl ether	73	4.097	4.108	(0.559)	906371	50.0000	51.8(q)
22 trans 1,2-Dichloroethene	61	4.281	4.294	(0.584)	626930	50.0000	47.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	4.948	4.944	(0.675)	799907	50.0000	49.0
	24 Vinyl Acetate	43	5.006	5.009	(0.683)	968689	50.0000	48.8
	25 Chloroprene	53	5.080	5.085	(0.693)	707823	50.0000	48.9
	26 2-Butanone	43	5.615	5.626	(0.766)	427611	100.000	98.6
	27 Propionitrile	54	5.717	5.725	(0.780)	693063	500.000	501
	28 2,2-Dichloropropane	77	5.761	5.761	(0.786)	279753	50.0000	53.7
	29 cis-1,2-Dichloroethene	96	5.827	5.827	(0.795)	467736	50.0000	47.8
	30 Methyacrylonitrile	67	5.978	5.981	(0.816)	1900143	500.000	490
	31 Isobutyl Alcohol	43	6.048	6.062	(0.825)	329587	1000.00	1050(Tq)
	32 Chloroform	83	6.040	6.043	(0.824)	767365	50.0000	48.4
	33 Bromochloromethane	49	6.244	6.240	(0.852)	450372	50.0000	48.4
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.324	6.326	(0.863)	362008	50.0000	49.7
	35 1,1,1-Trichloroethane	97	6.545	6.546	(0.893)	514021	50.0000	49.8
	36 Cyclohexane	56	6.546	6.547	(0.893)	730895	50.0000	46.2
	37 1,1-Dichloropropene	75	6.744	6.744	(0.920)	575076	50.0000	47.3
	38 Carbon tetrachloride	117	6.850	6.853	(0.935)	424761	50.0000	47.8
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.948	6.951	(0.948)	90434	50.0000	51.3
	40 1,2-Dichloroethane	62	7.060	7.061	(0.963)	613408	50.0000	48.6
	41 Benzene	78	7.060	7.061	(0.964)	1843073	50.0000	47.8
*	42 FLUOROBENZENE (IS)	96	7.327	7.327	(1.000)	1538145	50.0000	
	43 Trichloroethylene	130	7.776	7.776	(1.061)	391349	50.0000	46.6
	44 Methyl Cyclohexane	55	7.834	7.834	(1.069)	515015	50.0000	46.9
	45 1,2-Dichloropropane	63	7.979	7.980	(1.089)	479496	50.0000	47.9
	46 Methyl Methacrylate	69	8.081	8.079	(1.103)	292649	50.0000	47.6
	47 Bromodichloromethane	83	8.234	8.231	(1.124)	574619	50.0000	48.0
	48 1,4 Dioxane	88	8.278	8.293	(1.130)	93501	1000.00	1020(q)
	49 Dibromomethane	93	8.283	8.288	(1.130)	284576	50.0000	48.7
	50 4-Methyl-2-Pentanone	43	8.628	8.635	(0.661)	893605	100.000	96.8
	51 2-Hexanone	43	9.540	9.546	(0.897)	650748	100.000	95.5
	52 cis 1,3-Dichloropropene	75	8.831	8.831	(1.205)	722881	50.0000	47.7
$	53 TOLUENE d8 (surr)	98	9.076	9.076	(1.239)	1518285	50.0000	50.2
	54 Toluene	92	9.158	9.159	(1.250)	1137659	50.0000	47.7
	55 trans 1,3-Dichloropropene	75	9.361	9.362	(1.278)	628264	50.0000	47.9
	56 Ethyl Methacrylate	69	9.366	9.367	(1.278)	549930	50.0000	49.0
	57 1,1,2-Trichloroethane	97	9.517	9.516	(1.299)	390981	50.0000	48.4
	58 1,3-Dichloropropane	76	9.778	9.779	(0.920)	688064	50.0000	49.6
	59 Tetrachloroethylene	164	9.830	9.829	(0.925)	288160	50.0000	48.3
	60 Dibromochloromethane	129	10.038	10.036	(0.944)	414276	50.0000	49.0
	61 1,2-Dibromoethane	107	10.242	10.241	(0.963)	387180	50.0000	49.2
	62 1-Chlorohexane	91	10.419	10.421	(0.980)	546986	50.0000	48.3
*	63 CHLOROBENZENE d5 (IS)	117	10.630	10.630	(1.000)	1065619	50.0000	
	64 Chlorobenzene	112	10.669	10.668	(1.004)	1184110	50.0000	49.2
	65 1,1,1,2-Tetrachloroethane	131	10.715	10.715	(1.008)	351083	50.0000	48.6(q)
	66 Ethylbenzene	106	10.725	10.723	(1.009)	638687	50.0000	48.4
	67 p,m-Xylene	106	10.803	10.802	(1.016)	1657290	100.000	97.6
	68 o-Xylene	91	11.241	11.242	(1.057)	1841589	50.0000	48.4
	69 Styrene	104	11.279	11.280	(1.061)	1371664	50.0000	48.6
	70 Bromoform	173	11.617	11.616	(1.093)	228386	50.0000	49.0
	71 1-Methylethylbenzene	105	11.605	11.606	(0.889)	1992050	50.0000	48.2
	72 1,4-Dichloro-2-Butene	53	11.277	11.258	(0.864)	15049	100.000	94.7(q)
	73 1,1,2,2-Tetrachloroethane	83	11.782	11.781	(0.903)	551100	50.0000	49.4
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.858	11.857	(0.909)	605653	50.0000	50.2
	75 1,2,3- trichloropropane	110	11.928	11.930	(0.914)	152589	50.0000	49.2
	76 n-Propylbenzene	91	12.010	12.009	(0.920)	2691234	50.0000	47.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	12.049	12.049	(0.923)	943874	50.0000	48.4
78 1,3,5-Trimethylbenzene	105	12.168	12.167	(0.933)	1828251	50.0000	48.2
79 2-Chlorotoluene	91	12.186	12.185	(0.934)	1804251	50.0000	48.8
80 4-Chlorotoluene	91	12.234	12.232	(0.938)	1671969	50.0000	48.5
81 tert-Butylbenzene	119	12.527	12.527	(0.960)	1623459	50.0000	47.8
82 1,2,4-trimethylbenzene	105	12.563	12.562	(0.963)	1827807	50.0000	47.9
83 sec-Butylbenzene	105	12.740	12.740	(0.976)	2222355	50.0000	48.1
84 p-Isopropyltoluene	119	12.878	12.878	(0.987)	1820981	50.0000	47.7
85 1,3-Dichlorobenzene	146	12.973	12.975	(0.994)	942634	50.0000	48.8
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.048	13.048	(1.000)	594676	50.0000	
87 1,4-Dichlorobenzene	146	13.080	13.079	(1.002)	913538	50.0000	48.6
88 Benzyl Chloride	91	13.198	13.195	(1.012)	720347	50.0000	46.7
89 n-Butylbenzene	91	13.289	13.289	(1.018)	1766039	50.0000	47.8
90 1,2-Dichlorobenzene	146	13.451	13.450	(1.031)	907221	50.0000	49.1
91 1,2-dibromo-3-chloropropane	75	14.215	14.217	(1.089)	92586	50.0000	49.5
92 1,2,4-Trichlorobenzene	180	14.904	14.904	(1.142)	556043	50.0000	48.8
93 Hexachlorobutadiene	223	15.004	15.002	(1.150)	113710	50.0000	47.2
94 Naphthalene	128	15.088	15.087	(1.156)	1410196	50.0000	48.6
95 1,2,3-trichlorobenzene	180	15.256	15.254	(1.169)	467633	50.0000	48.6
103 Isopropyl Ether	45	4.839	4.846	(0.660)	1619977	50.0000	50.3
104 Ethyl acetate	43	5.877	5.883	(0.802)	874775	100.000	97.6
105 Cyclohexanone	55	11.666	11.672	(1.097)	380481	500.000	437
106 Ethyl ether	59	2.766	2.770	(0.378)	353962	50.0000	51.8(q)
107 2-Nitropropane	43	8.331	8.332	(1.137)	219159	100.000	99.3
108 Tetrahydrofuran	42	6.308	6.324	(0.861)	247472	100.000	92.9
112 2-Cleve	63	8.630	8.630	(1.178)	1358	100.000	100

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 50PPB.D
Lab Smp Id: 080807CCVA32
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3080807C.b\8260A.m
Misc Info:

Calibration Date: 08-AUG-2007
Calibration Time: 06:09
Client Smp ID: 080807CCVA32
Level: LOW
Sample Type: WATER

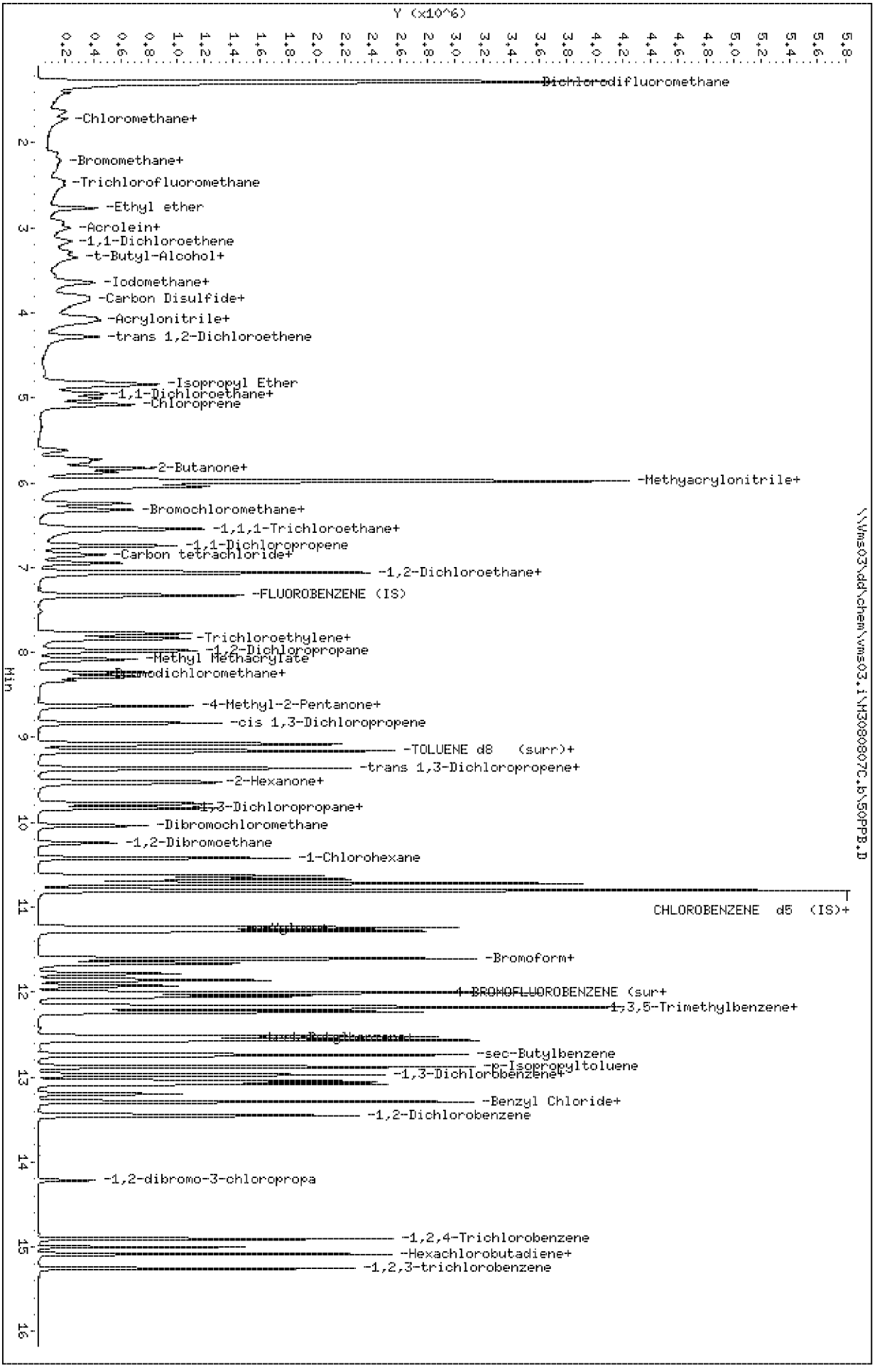
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1538145	769073	3076290	1538145	0.00
63 CHLOROBENZENE d5	1065619	532810	2131238	1065619	0.00
86 1,4-DICHLOROBENZE	594676	297338	1189352	594676	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.33	6.83	7.83	7.33	0.00
63 CHLOROBENZENE d5	10.63	10.13	11.13	10.63	0.00
86 1,4-DICHLOROBENZE	13.05	12.55	13.55	13.05	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3080807C.b\50PPB.D
Date : 08-AUG-2007 06:09
Client ID: 080807CVA32
Sample Info: 080807CVA32
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3080807C.b\60PPB.D
Lab Smp Id: 60PPBCAL Client Smp ID: 60PPBCAL
Inj Date : 08-AUG-2007 07:00
Operator : Inst ID: vms03.i
Smp Info : 60PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3080807C.b\8260A.m
Meth Date : 15-Aug-2007 08:36 mjacobs Quant Type: ISTD
Cal Date : 08-AUG-2007 06:36 Cal File: 80PPB.D
Als bottle: 5 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				1439947	120.000	(a)
M 2 Xylenes (Total)	100				4458122	180.000	(a)
M 3 Trihalomethanes (Total)	100				2500584	60.0000	(a)
4 Dichlorodifluoromethane	85	1.419	1.405	(0.194)	364651	60.0000	66.5
5 Chloromethane	50	1.626	1.620	(0.222)	591081	60.0000	63.0(T)
6 Vinyl Chloride	62	1.727	1.738	(0.236)	443794	60.0000	64.3
7 Bromomethane	96	2.127	2.132	(0.290)	261837	60.0000	61.8(q)
8 Chloroethane	64	2.210	2.242	(0.302)	325946	60.0000	61.3
9 Trichlorofluoromethane	101	2.459	2.458	(0.336)	574457	60.0000	64.6
10 Acrolein	56	2.957	2.940	(0.404)	171126	120.000	122(q)
11 1,1,2 Trichlorotrifluoromethan	101	2.962	2.955	(0.404)	433017	60.0000	62.9(q)
12 Acetone	43	3.010	3.024	(0.411)	242304	120.000	102
13 1,1-Dichloroethene	61	3.174	3.174	(0.433)	956773	60.0000	66.2
109 t-Butyl-Alcohol	59	3.292	3.300	(0.449)	464616	600.000	556(TQ)
14 Acetonitrile	41	3.380	3.349	(0.461)	604597	600.000	546(TM)
15 Iodomethane	142	3.565	3.555	(0.487)	580028	60.0000	63.9(q)
16 Methyl Acetate	43	3.631	3.632	(0.496)	370249	60.0000	46.6
17 Allyl Chloride	41	3.705	3.658	(0.506)	856671	60.0000	57.1(Tq)
18 Carbon Disulfide	76	3.811	3.813	(0.520)	2005140	60.0000	61.2
19 Methylene Chloride	49	3.866	3.864	(0.528)	883844	60.0000	62.9
20 Acrylonitrile	53	4.053	4.045	(0.553)	423352	120.000	110(q)
21 Methyl-tert-butyl ether	73	4.103	4.108	(0.560)	1020335	60.0000	55.4(q)
22 trans 1,2-Dichloroethene	61	4.301	4.294	(0.587)	832756	60.0000	62.7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	4.950	4.944	(0.676)	981645	60.0000	58.2
	24 Vinyl Acetate	43	5.007	5.009	(0.683)	1193523	60.0000	60.0
	25 Chloroprene	53	5.081	5.085	(0.693)	855544	60.0000	57.9
	26 2-Butanone	43	5.616	5.626	(0.766)	517020	120.000	107
	27 Propionitrile	54	5.719	5.725	(0.781)	816553	600.000	548
	28 2,2-Dichloropropane	77	5.762	5.761	(0.786)	290430	60.0000	52.8
	29 cis-1,2-Dichloroethene	96	5.830	5.827	(0.796)	607191	60.0000	61.9
	30 Methyacrylonitrile	67	5.980	5.981	(0.816)	2346907	600.000	576
	31 Isobutyl Alcohol	43	6.050	6.062	(0.826)	358770	1200.00	919(Q)
	32 Chloroform	83	6.043	6.043	(0.825)	976608	60.0000	59.9
	33 Bromochloromethane	49	6.244	6.240	(0.852)	565990	60.0000	60.0
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.325	6.326	(0.863)	440035	60.0000	60.0
	35 1,1,1-Trichloroethane	97	6.548	6.546	(0.894)	609529	60.0000	55.9
	36 Cyclohexane	56	6.548	6.547	(0.894)	980556	60.0000	63.0
	37 1,1-Dichloropropene	75	6.744	6.744	(0.920)	742191	60.0000	61.4
	38 Carbon tetrachloride	117	6.851	6.853	(0.935)	535574	60.0000	62.8
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.949	6.951	(0.948)	104657	60.0000	59.1
	40 1,2-Dichloroethane	62	7.061	7.061	(0.964)	765339	60.0000	60.1
	41 Benzene	78	7.061	7.061	(0.964)	2370676	60.0000	60.9
*	42 FLUOROBENZENE (IS)	96	7.327	7.327	(1.000)	1528176	50.0000	
	43 Trichloroethylene	130	7.777	7.776	(1.061)	520700	60.0000	60.3
	44 Methyl Cyclohexane	55	7.835	7.834	(1.069)	676125	60.0000	61.2
	45 1,2-Dichloropropane	63	7.980	7.980	(1.089)	607254	60.0000	58.7
	46 Methyl Methacrylate	69	8.082	8.079	(1.103)	378746	60.0000	58.8
	47 Bromodichloromethane	83	8.234	8.231	(1.124)	719945	60.0000	59.9
	48 1,4 Dioxane	88	8.281	8.293	(1.130)	106895	1200.00	1050
	49 Dibromomethane	93	8.284	8.288	(1.131)	354216	60.0000	59.2
	50 4-Methyl-2-Pentanone	43	8.630	8.635	(0.661)	1155254	120.000	114
	51 2-Hexanone	43	9.541	9.546	(0.897)	867866	120.000	120
	52 cis 1,3-Dichloropropene	75	8.832	8.831	(1.205)	910575	60.0000	59.2
$	53 TOLUENE d8 (surr)	98	9.076	9.076	(1.239)	1799521	60.0000	59.6
	54 Toluene	92	9.159	9.159	(1.250)	1461066	60.0000	60.2
	55 trans 1,3-Dichloropropene	75	9.361	9.362	(1.278)	791067	60.0000	60.0
	56 Ethyl Methacrylate	69	9.366	9.367	(1.278)	673973	60.0000	58.5
	57 1,1,2-Trichloroethane	97	9.518	9.516	(1.299)	496103	60.0000	59.8
	58 1,3-Dichloropropane	76	9.780	9.779	(0.920)	853339	60.0000	57.4
	59 Tetrachloroethylene	164	9.831	9.829	(0.925)	370527	60.0000	59.8
	60 Dibromochloromethane	129	10.039	10.036	(0.944)	518960	60.0000	59.4
	61 1,2-Dibromoethane	107	10.243	10.241	(0.963)	487028	60.0000	59.1
	62 1-Chlorohexane	91	10.420	10.421	(0.980)	704586	60.0000	60.5
*	63 CHLOROBENZENE d5 (IS)	117	10.631	10.630	(1.000)	1095401	50.0000	
	64 Chlorobenzene	112	10.670	10.668	(1.004)	1490368	60.0000	59.2
	65 1,1,1,2-Tetrachloroethane	131	10.716	10.715	(1.008)	445428	60.0000	59.7(q)
	66 Ethylbenzene	106	10.726	10.723	(1.009)	819922	60.0000	59.5
	67 p,m-Xylene	106	10.804	10.802	(1.016)	2094415	120.000	118
	68 o-Xylene	91	11.243	11.242	(1.058)	2363707	60.0000	60.3
	69 Styrene	104	11.280	11.280	(1.061)	1741763	60.0000	60.5
	70 Bromoform	173	11.618	11.616	(1.093)	285071	60.0000	59.5
	71 1-Methylethylbenzene	105	11.607	11.606	(0.889)	2562794	60.0000	58.4
	72 1,4-Dichloro-2-Butene	53	11.278	11.258	(0.864)	19343	120.000	115(q)
	73 1,1,2,2-Tetrachloroethane	83	11.782	11.781	(0.903)	684590	60.0000	56.4
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.858	11.857	(0.909)	733226	60.0000	58.0
	75 1,2,3- trichloropropane	110	11.929	11.930	(0.914)	192609	60.0000	57.3
	76 n-Propylbenzene	91	12.010	12.009	(0.920)	3483739	60.0000	59.3

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	12.050	12.049	(0.923)	1210655	60.0000	59.2
78 1,3,5-Trimethylbenzene	105	12.169	12.167	(0.933)	2365562	60.0000	60.4
79 2-Chlorotoluene	91	12.187	12.185	(0.934)	2279893	60.0000	59.9
80 4-Chlorotoluene	91	12.235	12.232	(0.938)	2142296	60.0000	58.9
81 tert-Butylbenzene	119	12.529	12.527	(0.960)	2125047	60.0000	59.5
82 1,2,4-trimethylbenzene	105	12.564	12.562	(0.963)	2388559	60.0000	59.3
83 sec-Butylbenzene	105	12.741	12.740	(0.976)	2905455	60.0000	59.0
84 p-Isopropyltoluene	119	12.879	12.878	(0.987)	2399603	60.0000	59.6
85 1,3-Dichlorobenzene	146	12.973	12.975	(0.994)	1194930	60.0000	57.9
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.049	13.048	(1.000)	603252	50.0000	
87 1,4-Dichlorobenzene	146	13.081	13.079	(1.002)	1178269	60.0000	59.2
88 Benzyl Chloride	91	13.199	13.195	(1.012)	950954	60.0000	60.7
89 n-Butylbenzene	91	13.291	13.289	(1.019)	2317230	60.0000	59.5
90 1,2-Dichlorobenzene	146	13.452	13.450	(1.031)	1148082	60.0000	57.7
91 1,2-dibromo-3-chloropropane	75	14.216	14.217	(1.089)	115760	60.0000	56.2
92 1,2,4-Trichlorobenzene	180	14.901	14.904	(1.142)	700995	60.0000	56.8
93 Hexachlorobutadiene	223	15.000	15.002	(1.149)	152759	60.0000	61.4
94 Naphthalene	128	15.083	15.087	(1.156)	1841459	60.0000	57.0
95 1,2,3-trichlorobenzene	180	15.250	15.254	(1.169)	604679	60.0000	56.8
103 Isopropyl Ether	45	4.842	4.846	(0.661)	1887305	60.0000	56.7
104 Ethyl acetate	43	5.877	5.883	(0.802)	1091529	120.000	120
105 Cyclohexanone	55	11.667	11.672	(1.097)	562871	600.000	572
106 Ethyl ether	59	2.774	2.770	(0.379)	399559	60.0000	55.8(q)
107 2-Nitropropane	43	8.332	8.332	(1.137)	256727	120.000	118
108 Tetrahydrofuran	42	6.310	6.324	(0.861)	339514	120.000	116

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 60PPB.D
Lab Smp Id: 60PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3080807C.b\8260A.m
Misc Info:

Calibration Date: 08-AUG-2007
Calibration Time: 06:09
Client Smp ID: 60PPBCAL
Level: LOW
Sample Type: WATER

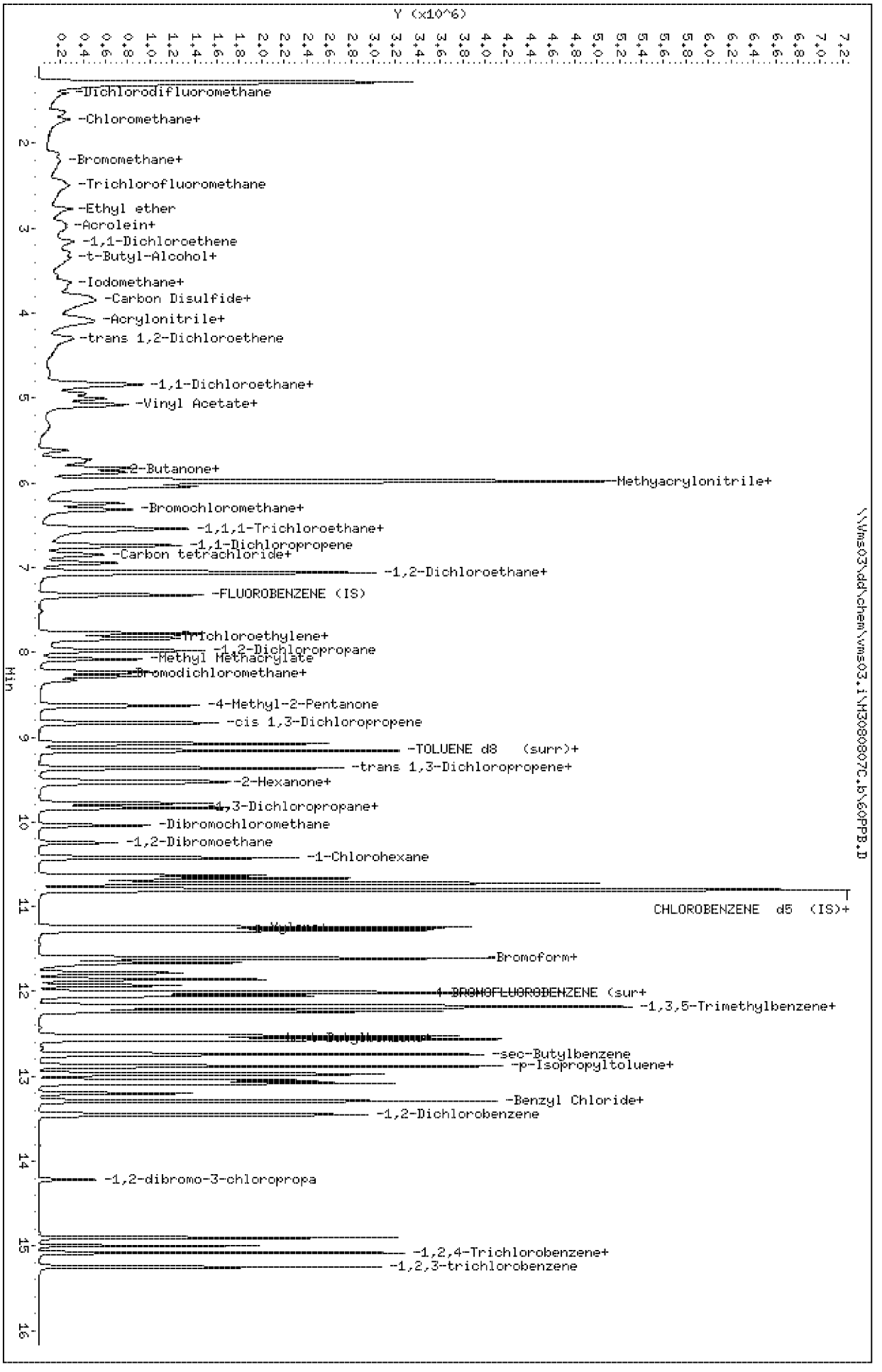
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1538145	769073	3076290	1528176	-0.65
63 CHLOROBENZENE d5	1065619	532810	2131238	1095401	2.79
86 1,4-DICHLOROBENZE	594676	297338	1189352	603252	1.44

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.33	6.83	7.83	7.33	0.00
63 CHLOROBENZENE d5	10.63	10.13	11.13	10.63	0.01
86 1,4-DICHLOROBENZE	13.05	12.55	13.55	13.05	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3080807C.b\60PPB.D
Date : 08-AUG-2007 07:00
Client ID: 60PPBCAL
Sample Info: 60PPBCAL
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



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Data file : \\Vms03\dd\chem\vms03.i\M3080807C.b\80PPB.D
Lab Smp Id: 80PPBCAL Client Smp ID: 80PPBCAL
Inj Date : 08-AUG-2007 06:36
Operator : Inst ID: vms03.i
Smp Info : 80PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3080807C.b\8260A.m
Meth Date : 15-Aug-2007 08:36 mjacobs Quant Type: ISTD
Cal Date : 07-AUG-2007 12:06 Cal File: 1PPB.D
Als bottle: 4 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				1876513	160.000	(a)
M 2 Xylenes (Total)	100				6044751	240.000	(a)
M 3 Trihalomethanes (Total)	100				3380039	80.0000	(a)
4 Dichlorodifluoromethane	85	1.419	1.405	(0.194)	558988	80.0000	95.2(A)
5 Chloromethane	50	1.627	1.620	(0.222)	787643	80.0000	80.7(A)
6 Vinyl Chloride	62	1.726	1.738	(0.236)	569095	80.0000	78.4
7 Bromomethane	96	2.124	2.132	(0.290)	344787	80.0000	79.0(q)
8 Chloroethane	64	2.207	2.242	(0.301)	432550	80.0000	79.3
9 Trichlorofluoromethane	101	2.456	2.458	(0.335)	757489	80.0000	80.8(A)
10 Acrolein	56	2.941	2.940	(0.401)	216233	160.000	150(q)
11 1,1,2 Trichlorotrifluoromethan	101	2.959	2.955	(0.404)	573682	80.0000	80.1(Aq)
12 Acetone	43	3.007	3.024	(0.410)	350227	160.000	157
13 1,1-Dichloroethene	61	3.170	3.174	(0.433)	1266008	80.0000	82.0(A)
109 t-Butyl-Alcohol	59	3.287	3.300	(0.449)	639350	800.000	782(TQ)
14 Acetonitrile	41	3.365	3.349	(0.459)	775707	800.000	723(T)
15 Iodomethane	142	3.564	3.555	(0.486)	765803	80.0000	80.5(q)
16 Methyl Acetate	43	3.628	3.632	(0.495)	547274	80.0000	76.4
17 Allyl Chloride	41	3.661	3.658	(0.500)	1100022	80.0000	74.0(Tq)
18 Carbon Disulfide	76	3.807	3.813	(0.520)	2687710	80.0000	80.0
19 Methylene Chloride	49	3.862	3.864	(0.527)	1200702	80.0000	82.2(A)
20 Acrylonitrile	53	4.048	4.045	(0.553)	596194	160.000	159
21 Methyl-tert-butyl ether	73	4.097	4.108	(0.559)	1389326	80.0000	77.3(q)
22 trans 1,2-Dichloroethene	61	4.286	4.294	(0.585)	1084323	80.0000	78.7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	4.947	4.944	(0.675)	1332617	80.0000	79.0
	24 Vinyl Acetate	43	5.004	5.009	(0.683)	1625916	80.0000	80.5(A)
	25 Chloroprene	53	5.078	5.085	(0.693)	1202255	80.0000	81.6(A)
	26 2-Butanone	43	5.613	5.626	(0.766)	710456	160.000	153
	27 Propionitrile	54	5.716	5.725	(0.780)	1124241	800.000	777
	28 2,2-Dichloropropane	77	5.760	5.761	(0.786)	416757	80.0000	79.4
	29 cis-1,2-Dichloroethene	96	5.826	5.827	(0.795)	792190	80.0000	78.3
	30 Methyacrylonitrile	67	5.979	5.981	(0.816)	3145355	800.000	776
	31 Isobutyl Alcohol	43	6.048	6.062	(0.826)	503579	1600.00	1440(Q)
	32 Chloroform	83	6.040	6.043	(0.824)	1277306	80.0000	77.3
	33 Bromochloromethane	49	6.242	6.240	(0.852)	758452	80.0000	79.2
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.323	6.326	(0.863)	584510	80.0000	78.5
	35 1,1,1-Trichloroethane	97	6.544	6.546	(0.893)	843815	80.0000	78.9
	36 Cyclohexane	56	6.545	6.547	(0.893)	1318734	80.0000	81.4(A)
	37 1,1-Dichloropropene	75	6.742	6.744	(0.920)	1008191	80.0000	81.2(A)
	38 Carbon tetrachloride	117	6.848	6.853	(0.935)	739176	80.0000	83.4(A)
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.946	6.951	(0.948)	139394	80.0000	78.1
	40 1,2-Dichloroethane	62	7.059	7.061	(0.964)	1027213	80.0000	79.4
	41 Benzene	78	7.059	7.061	(0.964)	3159378	80.0000	79.3
*	42 FLUOROBENZENE (IS)	96	7.326	7.327	(1.000)	1551199	50.0000	
	43 Trichloroethylene	130	7.776	7.776	(1.061)	695123	80.0000	79.1
	44 Methyl Cyclohexane	55	7.833	7.834	(1.069)	910411	80.0000	80.4(A)
	45 1,2-Dichloropropane	63	7.978	7.980	(1.089)	825506	80.0000	79.5
	46 Methyl Methacrylate	69	8.081	8.079	(1.103)	502408	80.0000	77.6
	47 Bromodichloromethane	83	8.233	8.231	(1.124)	997774	80.0000	81.9(A)
	48 1,4 Dioxane	88	8.278	8.293	(1.130)	148899	1600.00	1540
	49 Dibromomethane	93	8.283	8.288	(1.131)	475526	80.0000	78.8
	50 4-Methyl-2-Pentanone	43	8.628	8.635	(0.661)	1516793	160.000	152
	51 2-Hexanone	43	9.540	9.546	(0.897)	1134018	160.000	157
	52 cis 1,3-Dichloropropene	75	8.830	8.831	(1.205)	1265778	80.0000	81.6(A)
$	53 TOLUENE d8 (surr)	98	9.075	9.076	(1.239)	2429165	80.0000	79.5
	54 Toluene	92	9.158	9.159	(1.250)	1953498	80.0000	79.2
	55 trans 1,3-Dichloropropene	75	9.361	9.362	(1.278)	1089594	80.0000	81.4(A)
	56 Ethyl Methacrylate	69	9.366	9.367	(1.278)	917459	80.0000	79.4
	57 1,1,2-Trichloroethane	97	9.517	9.516	(1.299)	651583	80.0000	77.5
	58 1,3-Dichloropropane	76	9.779	9.779	(0.920)	1153998	80.0000	79.4
	59 Tetrachloroethylene	164	9.831	9.829	(0.925)	502229	80.0000	81.3(A)
	60 Dibromochloromethane	129	10.038	10.036	(0.944)	710698	80.0000	81.8(A)
	61 1,2-Dibromoethane	107	10.242	10.241	(0.963)	653272	80.0000	80.0
	62 1-Chlorohexane	91	10.419	10.421	(0.980)	954856	80.0000	81.8(A)
*	63 CHLOROBENZENE d5 (IS)	117	10.631	10.630	(1.000)	1093888	50.0000	
	64 Chlorobenzene	112	10.669	10.668	(1.004)	2003227	80.0000	80.2(A)
	65 1,1,1,2-Tetrachloroethane	131	10.716	10.715	(1.008)	609596	80.0000	82.0(Aq)
	66 Ethylbenzene	106	10.725	10.723	(1.009)	1113275	80.0000	81.2(A)
	67 p,m-Xylene	106	10.803	10.802	(1.016)	2851939	160.000	162(A)
	68 o-Xylene	91	11.242	11.242	(1.058)	3192812	80.0000	81.4(A)
	69 Styrene	104	11.280	11.280	(1.061)	2373211	80.0000	82.2(A)
	70 Bromoform	173	11.618	11.616	(1.093)	394261	80.0000	82.7(A)
	71 1-Methylethylbenzene	105	11.606	11.606	(0.889)	3434538	80.0000	78.5
	72 1,4-Dichloro-2-Butene	53	11.278	11.258	(0.864)	27405	160.000	165(Aq)
	73 1,1,2,2-Tetrachloroethane	83	11.782	11.781	(0.903)	914331	80.0000	76.9
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.858	11.857	(0.909)	983822	80.0000	78.4
	75 1,2,3- trichloropropane	110	11.930	11.930	(0.914)	253317	80.0000	76.4
	76 n-Propylbenzene	91	12.010	12.009	(0.920)	4700606	80.0000	79.7

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	12.050	12.049	(0.923)	1617647	80.0000	78.8
78 1,3,5-Trimethylbenzene	105	12.170	12.167	(0.933)	3140837	80.0000	79.1
79 2-Chlorotoluene	91	12.187	12.185	(0.934)	3059247	80.0000	79.7
80 4-Chlorotoluene	91	12.235	12.232	(0.938)	2843615	80.0000	78.1
81 tert-Butylbenzene	119	12.528	12.527	(0.960)	2835545	80.0000	79.0
82 1,2,4-trimethylbenzene	105	12.564	12.562	(0.963)	3173581	80.0000	78.5
83 sec-Butylbenzene	105	12.741	12.740	(0.976)	3797543	80.0000	77.0
84 p-Isopropyltoluene	119	12.880	12.878	(0.987)	3161352	80.0000	78.0
85 1,3-Dichlorobenzene	146	12.973	12.975	(0.994)	1590792	80.0000	77.7
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.049	13.048	(1.000)	609156	50.0000	(q)
87 1,4-Dichlorobenzene	146	13.081	13.079	(1.002)	1540618	80.0000	77.1
88 Benzyl Chloride	91	13.199	13.195	(1.011)	1327394	80.0000	83.4
89 n-Butylbenzene	91	13.291	13.289	(1.018)	3069519	80.0000	78.4
90 1,2-Dichlorobenzene	146	13.453	13.450	(1.031)	1512010	80.0000	76.8
91 1,2-dibromo-3-chloropropane	75	14.217	14.217	(1.089)	151952	80.0000	75.4
92 1,2,4-Trichlorobenzene	180	14.904	14.904	(1.142)	942828	80.0000	77.7
93 Hexachlorobutadiene	223	15.003	15.002	(1.150)	200465	80.0000	78.9
94 Naphthalene	128	15.087	15.087	(1.156)	2349137	80.0000	73.9
95 1,2,3-trichlorobenzene	180	15.255	15.254	(1.169)	783128	80.0000	74.9
103 Isopropyl Ether	45	4.839	4.846	(0.661)	2623551	80.0000	79.8
104 Ethyl acetate	43	5.875	5.883	(0.802)	1447928	160.000	157
105 Cyclohexanone	55	11.666	11.672	(1.097)	770577	800.000	803(A)
106 Ethyl ether	59	2.768	2.770	(0.378)	540798	80.0000	77.1(q)
107 2-Nitropropane	43	8.331	8.332	(1.137)	366961	160.000	168(A)
108 Tetrahydrofuran	42	6.306	6.324	(0.861)	431155	160.000	148

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 80PPB.D
Lab Smp Id: 80PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3080807C.b\8260A.m
Misc Info:

Calibration Date: 08-AUG-2007
Calibration Time: 06:09
Client Smp ID: 80PPBCAL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1538145	769073	3076290	1551199	0.85
63 CHLOROBENZENE d5	1065619	532810	2131238	1093888	2.65
86 1,4-DICHLOROBENZE	594676	297338	1189352	609156	2.43

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.33	6.83	7.83	7.33	-0.01
63 CHLOROBENZENE d5	10.63	10.13	11.13	10.63	0.00
86 1,4-DICHLOROBENZE	13.05	12.55	13.55	13.05	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3080807C.b\80PPB.D

Date : 08-AUG-2007 06:36

Client ID: 80PPBCAL

Instrument: vms03.i

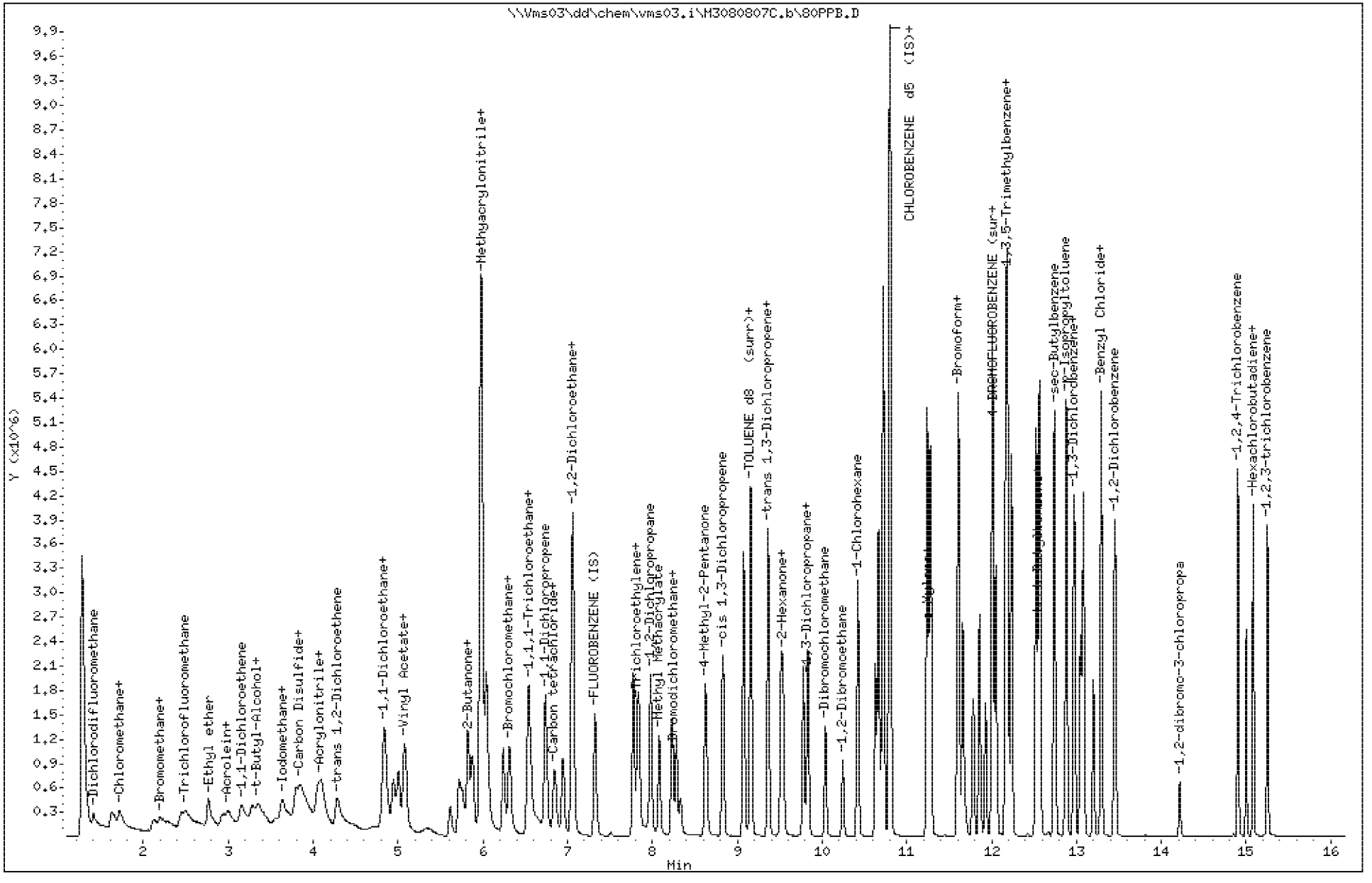
Sample Info: 80PPBCAL

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3080807C.b\SEC31.D
Lab Smp Id: SEC31 Client Smp ID: SEC31
Inj Date : 08-AUG-2007 09:48
Operator : Inst ID: vms03.i
Smp Info : SEC31
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3080807C.b\8260A.m
Meth Date : 15-Aug-2007 08:36 mjacobs Quant Type: ISTD
Cal Date : 08-AUG-2007 09:24 Cal File: 1PPB.D
Als bottle: 12 QC Sample: SSC
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				1150588	96.7689	96.8
M 2 Xylenes (Total)	100				3714869	154.951	155
M 3 Trihalomethanes (Total)	100				2074532	205.359	205
4 Dichlorodifluoromethane	85	1.423	1.405	(0.194)	317977	52.3561	52.4
5 Chloromethane	50	1.635	1.620	(0.223)	465007	48.4088	48.4
6 Vinyl Chloride	62	1.736	1.738	(0.237)	360654	47.0040	47.0
7 Bromomethane	96	2.142	2.132	(0.292)	213234	47.7957	47.8(Q)
8 Chloroethane	64	2.220	2.242	(0.303)	268566	47.7666	47.8
9 Trichlorofluoromethane	101	2.462	2.458	(0.336)	454822	51.4692	51.5
10 Acrolein	56	2.940	2.940	(0.401)	111591	78.3415	78.3(Q)
11 1,1,2 Trichlorotrifluoromethan	101	2.964	2.955	(0.405)	396476	57.5431	57.5(q)
12 Acetone	43	3.010	3.024	(0.411)	187375	79.4603	79.5
13 1,1-Dichloroethene	61	3.178	3.174	(0.434)	751098	49.2476	49.2
109 t-Butyl-Alcohol	59	3.294	3.300	(0.449)	385340	496.847	497(Q)
14 Acetonitrile	41	3.360	3.349	(0.459)	511159	441.850	442
15 Iodomethane	142	3.576	3.555	(0.488)	457597	48.7164	48.7(q)
16 Methyl Acetate	43	3.632	3.632	(0.496)	355006	45.8207	45.8
17 Allyl Chloride	41	3.659	3.658	(0.499)	694872	46.7293	46.7(q)
18 Carbon Disulfide	76	3.817	3.813	(0.521)	1596390	48.0445	48.0
19 Methylene Chloride	49	3.877	3.864	(0.529)	699961	44.8556	44.8
20 Acrylonitrile	53	4.049	4.045	(0.553)	297351	82.3094	82.3
21 Methyl-tert-butyl ether	73	4.103	4.108	(0.560)	851812	48.0608	48.1(q)
22 trans 1,2-Dichloroethene	61	4.288	4.294	(0.585)	654586	46.9730	47.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	23 1,1-Dichloroethane	63	4.951	4.944	(0.676)	818061	48.2528	48.2
	24 Vinyl Acetate	43	5.008	5.009	(0.683)	993568	51.5957	51.6
	25 Chloroprene	53	5.083	5.085	(0.694)	745621	51.9980	52.0
	26 2-Butanone	43	5.618	5.626	(0.767)	362439	76.0007	76.0
	27 Propionitrile	54	5.718	5.725	(0.780)	721807	502.583	502
	28 2,2-Dichloropropane	77	5.763	5.761	(0.786)	253028	48.6490	48.6
	29 cis-1,2-Dichloroethene	96	5.829	5.827	(0.795)	496002	49.7959	49.8
	30 Methyacrylonitrile	67	5.980	5.981	(0.816)	2028317	511.331	511
	31 Isobutyl Alcohol	43	6.050	6.062	(0.826)	317429	920.797	921(Q)
	32 Chloroform	83	6.041	6.043	(0.824)	808784	49.6941	49.7
	33 Bromochloromethane	49	6.244	6.240	(0.852)	455003	47.6819	47.7
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.325	6.326	(0.863)	372695	49.7013	49.7
	35 1,1,1-Trichloroethane	97	6.547	6.546	(0.893)	529942	50.7726	50.8
	36 Cyclohexane	56	6.548	6.547	(0.894)	795666	50.5188	50.5
	37 1,1-Dichloropropene	75	6.745	6.744	(0.920)	619319	49.5214	49.5
	38 Carbon tetrachloride	117	6.852	6.853	(0.935)	436408	51.4738	51.5
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.950	6.951	(0.948)	92541	50.3617	50.4
	40 1,2-Dichloroethane	62	7.060	7.061	(0.963)	643458	48.8783	48.9
	41 Benzene	78	7.060	7.061	(0.963)	1956337	48.4561	48.4
*	42 FLUOROBENZENE (IS)	96	7.328	7.327	(1.000)	1570118	50.0000	
	43 Trichloroethylene	130	7.778	7.776	(1.061)	430099	49.5659	49.6
	44 Methyl Cyclohexane	55	7.835	7.834	(1.069)	550340	49.0073	49.0
	45 1,2-Dichloropropane	63	7.979	7.980	(1.089)	510598	49.7991	49.8
	46 Methyl Methacrylate	69	8.082	8.079	(1.103)	315523	53.0829	53.1
	47 Bromodichloromethane	83	8.233	8.231	(1.124)	604090	50.4306	50.4
	48 1,4 Dioxane	88	8.280	8.293	(1.130)	84604	1005.86	1000
	49 Dibromomethane	93	8.283	8.288	(1.130)	298521	49.3607	49.4
	50 4-Methyl-2-Pentanone	43	8.627	8.635	(0.661)	778280	83.4343	83.4
	51 2-Hexanone	43	9.540	9.546	(0.897)	579629	86.0921	86.1
	52 cis 1,3-Dichloropropene	75	8.831	8.831	(1.205)	753457	51.1723	51.2
$	53 TOLUENE d8 (surr)	98	9.076	9.076	(1.239)	1553002	49.8284	49.8
	54 Toluene	92	9.158	9.159	(1.250)	1203646	49.7468	49.7
	55 trans 1,3-Dichloropropene	75	9.361	9.362	(1.277)	642692	53.1771	53.2
	56 Ethyl Methacrylate	69	9.366	9.367	(1.278)	564331	53.2042	53.2
	57 1,1,2-Trichloroethane	97	9.518	9.516	(1.299)	412569	49.7849	49.8
	58 1,3-Dichloropropane	76	9.778	9.779	(0.920)	728360	51.4851	51.5
	59 Tetrachloroethylene	164	9.830	9.829	(0.925)	306339	50.4766	50.5
	60 Dibromochloromethane	129	10.038	10.036	(0.944)	430381	55.0279	55.0
	61 1,2-Dibromoethane	107	10.242	10.241	(0.963)	409006	52.8748	52.9
	62 1-Chlorohexane	91	10.419	10.421	(0.980)	581945	53.2142	53.2
*	63 CHLOROBENZENE d5 (IS)	117	10.631	10.630	(1.000)	1081146	50.0000	
	64 Chlorobenzene	112	10.669	10.668	(1.004)	1237887	50.2652	50.3
	65 1,1,1,2-Tetrachloroethane	131	10.715	10.715	(1.008)	358724	51.5487	51.5(q)
	66 Ethylbenzene	106	10.726	10.723	(1.009)	679744	50.8425	50.8
	67 p,m-Xylene	106	10.803	10.802	(1.016)	1753029	102.679	103
	68 o-Xylene	91	11.241	11.242	(1.057)	1961840	52.2725	52.3
	69 Styrene	104	11.279	11.280	(1.061)	1429671	52.9328	52.9
	70 Bromoform	173	11.617	11.616	(1.093)	231277	50.2068	50.2
	71 1-Methylethylbenzene	105	11.605	11.606	(0.889)	2130084	51.6943	51.7
	72 1,4-Dichloro-2-Butene	53	11.279	11.258	(0.864)	15645	81.3635	81.4(QH)
	73 1,1,2,2-Tetrachloroethane	83	11.781	11.781	(0.903)	584349	50.7890	50.8
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.858	11.857	(0.909)	615071	49.2811	49.3
	75 1,2,3- trichloropropane	110	11.929	11.930	(0.914)	163498	51.0710	51.1
	76 n-Propylbenzene	91	12.009	12.009	(0.920)	2846755	50.8830	50.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
77 Bromobenzene	77	12.049	12.049	(0.923)	993997	48.8570	48.8
78 1,3,5-Trimethylbenzene	105	12.168	12.167	(0.933)	1932856	51.6713	51.7
79 2-Chlorotoluene	91	12.186	12.185	(0.934)	1894258	50.8114	50.8
80 4-Chlorotoluene	91	12.234	12.232	(0.938)	1772598	49.7489	49.7
81 tert-Butylbenzene	119	12.527	12.527	(0.960)	1724465	51.3695	51.4
82 1,2,4-trimethylbenzene	105	12.563	12.562	(0.963)	1935441	51.4930	51.5
83 sec-Butylbenzene	105	12.740	12.740	(0.976)	2350088	51.2412	51.2
84 p-Isopropyltoluene	119	12.878	12.878	(0.987)	1933102	51.6851	51.7
85 1,3-Dichlorobenzene	146	12.972	12.975	(0.994)	982242	49.3246	49.3
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.048	13.048	(1.000)	603106	50.0000	
87 1,4-Dichlorobenzene	146	13.080	13.079	(1.002)	952859	48.0180	48.0
88 Benzyl Chloride	91	13.198	13.195	(1.012)	704857	59.4176	59.4
89 n-Butylbenzene	91	13.289	13.289	(1.019)	1877976	51.4608	51.5
90 1,2-Dichlorobenzene	146	13.451	13.450	(1.031)	936076	49.1537	49.2
91 1,2-dibromo-3-chloropropane	75	14.215	14.217	(1.089)	94102	49.4726	49.5
92 1,2,4-Trichlorobenzene	180	14.903	14.904	(1.142)	571309	47.7704	47.8
93 Hexachlorobutadiene	223	15.002	15.002	(1.150)	118027	44.7870	44.8
94 Naphthalene	128	15.086	15.087	(1.156)	1463947	49.3989	49.4
95 1,2,3-trichlorobenzene	180	15.254	15.254	(1.169)	477272	45.8170	45.8
103 Isopropyl Ether	45	4.843	4.846	(0.661)	1606136	49.7625	49.8
104 Ethyl acetate	43	5.878	5.883	(0.802)	923900	101.527	102
105 Cyclohexanone	55	11.666	11.672	(1.097)	469020	555.152	555
106 Ethyl ether	59	2.772	2.770	(0.378)	344272	50.2818	50.3(q)
107 2-Nitropropane	43	8.332	8.332	(1.137)	211320	108.925	109
108 Tetrahydrofuran	42	6.309	6.324	(0.861)	268674	81.9726	82.0
112 2-Cleve	63	8.627	8.630	(1.177)	1040	75.0237	75.0(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: SEC31.D
Lab Smp Id: SEC31
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3080807C.b\8260A.m
Misc Info:

Calibration Date: 08-AUG-2007
Calibration Time: 06:09
Client Smp ID: SEC31
Level: LOW
Sample Type: WATER

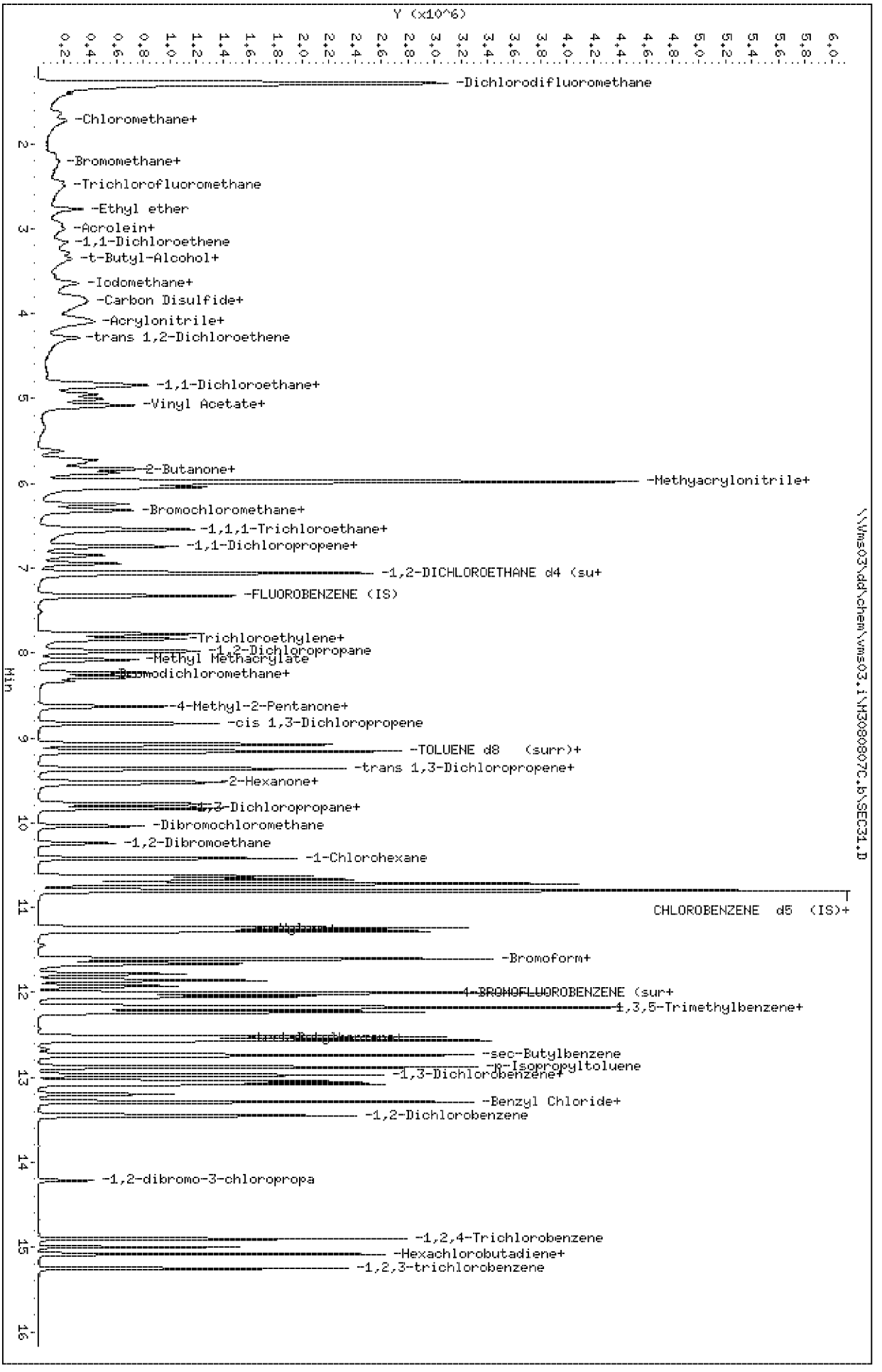
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1538145	769073	3076290	1570118	2.08
63 CHLOROBENZENE d5	1065619	532810	2131238	1081146	1.46
86 1,4-DICHLOROBENZE	594676	297338	1189352	603106	1.42

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.33	6.83	7.83	7.33	0.01
63 CHLOROBENZENE d5	10.63	10.13	11.13	10.63	0.00
86 1,4-DICHLOROBENZE	13.05	12.55	13.55	13.05	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M30808070.b\SEC31.D
Date : 08-AUG-2007 09:48
Client ID: SEC31
Sample Info: SEC31
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3082107.b\BFB31.D
Lab Smp Id: 082107BFBA31 Client Smp ID: 082107BFBA31
Inj Date : 21-AUG-2007 05:14
Operator : Inst ID: vms03.i
Smp Info : 082107BFBA31
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3082107.b\BFBE.m
Meth Date : 24-Aug-2007 07:28 mjacobs Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: VOLS11

Concentration Formula: Amt * DF * CpndVariable
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 #: 74-83-9		
7.153	7.500	-0.347	95	96208			0.00- 100.00	100.00
7.153	7.500	-0.347	50	18112			15.00- 40.00	18.83
7.153	7.500	-0.347	75	47872			30.00- 60.00	49.76
7.153	7.500	-0.347	96	6392			5.00- 9.00	6.64
7.153	7.500	-0.347	173	485			0.00- 2.00	0.72
7.153	7.500	-0.347	174	67368			50.00- 100.00	70.02
7.153	7.500	-0.347	175	5084			5.00- 9.00	7.55
7.153	7.500	-0.347	176	65400			95.00- 101.00	97.08
7.153	7.500	-0.347	177	3958			5.00- 9.00	6.05

Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\BFB31.D

Date : 21-AUG-2007 05:14

Client ID: 082107BFBA31

Instrument: vms03.i

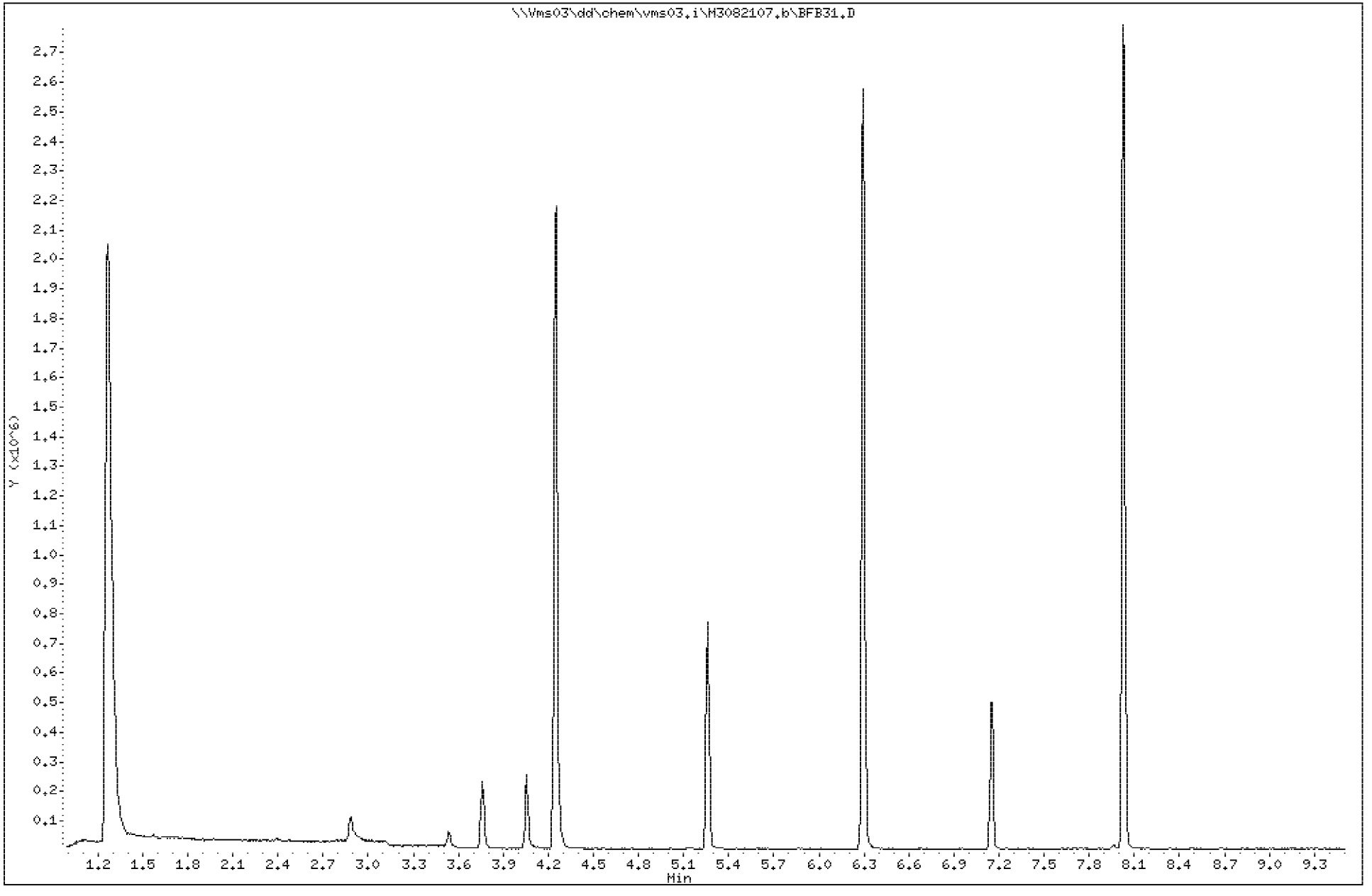
Sample Info: 082107BFBA31

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\BFB31.D

Date : 21-AUG-2007 05:14

Client ID: 082107BFBA31

Instrument: vms03.i

Sample Info: 082107BFBA31

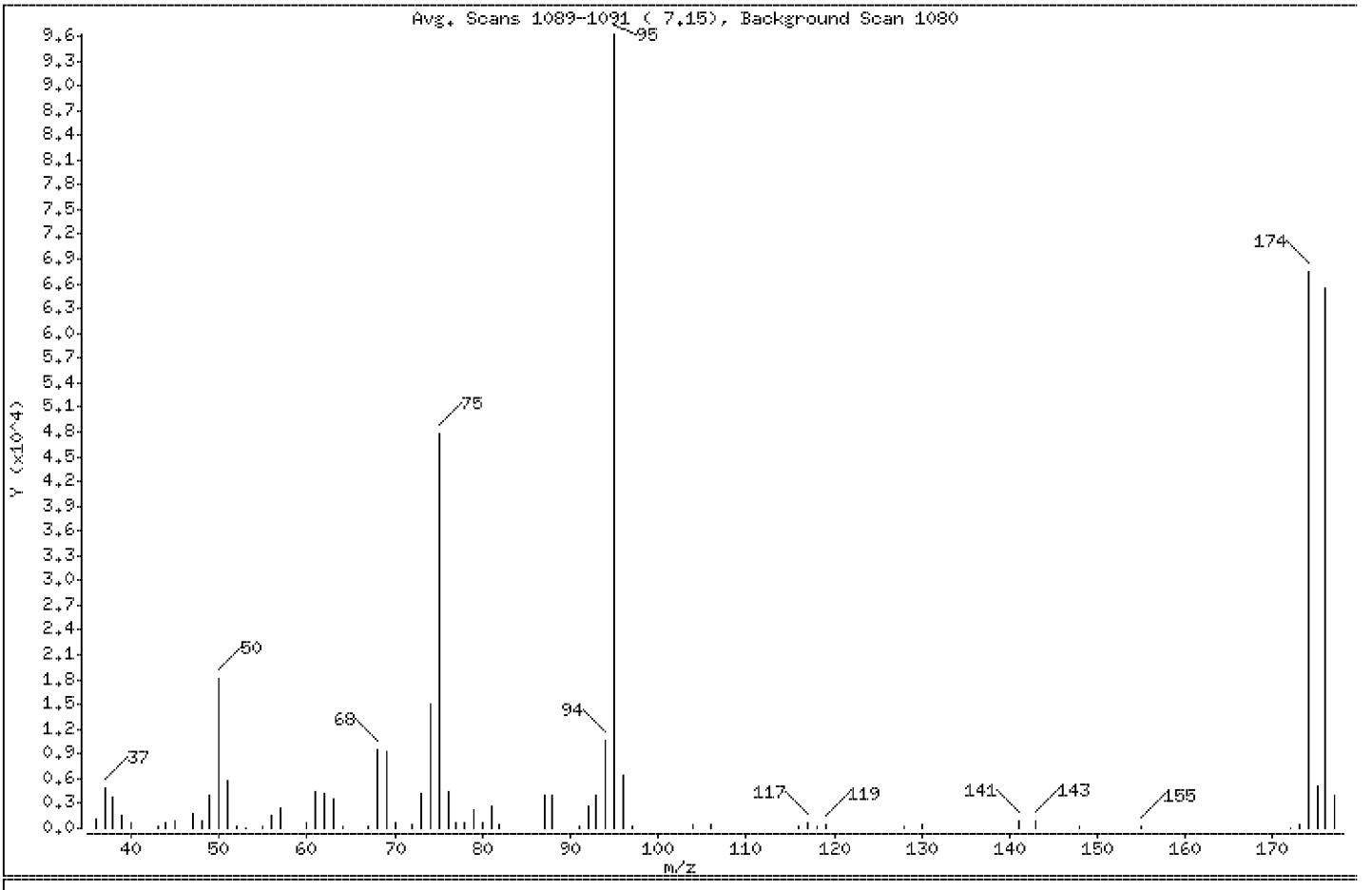
Purge Volume: 5.0

Operator:

Column phase: DB-624

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	18.83
75	30.00 - 60.00% of mass 95	49.76
96	5.00 - 9.00% of mass 95	6.64
173	Less than 2.00% of mass 174	0.50 (0.72)
174	50.00 - 100.00% of mass 95	70.02
175	5.00 - 9.00% of mass 174	5.28 (7.55)
176	95.00 - 101.00% of mass 174	67.98 (97.08)
177	5.00 - 9.00% of mass 176	4.11 (6.05)

Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\BFB31.D

Date : 21-AUG-2007 05:14

Client ID: 082107BFBA31 Instrument: vms03.i

Sample Info: 082107BFBA31

Purge Volume: 5.0 Operator:

Column phase: DB-624 Column diameter: 0.18

Data File: BFB31.D
Spectrum: Avg. Scans 1089-1091 (7.15), Background Scan 1080
Location of Maximum: 95.00
Number of points: 65

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1027	57.00	2335	79.00	2240	118.00	277
37.00	4759	60.00	734	80.00	755	119.00	511
38.00	3852	61.00	4506	81.00	2638	128.00	310
39.00	1439	62.00	4117	82.00	504	130.00	430
40.00	570	63.00	3592	87.00	3951	141.00	911
43.00	115	64.00	309	88.00	3971	143.00	937
44.00	741	67.00	312	91.00	329	148.00	229
45.00	877	68.00	9437	92.00	2641	155.00	228
47.00	1747	69.00	9198	93.00	3977	172.00	107
48.00	785	70.00	694	94.00	10697	173.00	485
49.00	4041	72.00	469	95.00	96208	174.00	67368
50.00	18112	73.00	4310	96.00	6392	175.00	5084
51.00	5660	74.00	15125	97.00	212	176.00	65400
52.00	221	75.00	47872	104.00	378	177.00	3958
53.00	85	76.00	4414	106.00	403		
55.00	209	77.00	641	116.00	330		
56.00	1546	78.00	556	117.00	617		

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D
Lab Smp Id: 082107CCVA32 Client Smp ID: 082107CCVA32
Inj Date : 21-AUG-2007 06:08
Operator : Inst ID: vms03.i
Smp Info : 082107CCVA32
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3082107.b\8260A.m
Meth Date : 24-Aug-2007 07:29 mjacobs Quant Type: ISTD
Cal Date : 08-AUG-2007 09:24 Cal File: 1PPB.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				1111425	100.000	(a)
M 2 Xylenes (Total)	100				3410171	150.000	(a)
M 3 Trihalomethanes (Total)	100				1924934	50.0000	(a)
4 Dichlorodifluoromethane	85	1.406	1.405	(0.192)	340639	50.0000	57.6
5 Chloromethane	50	1.622	1.620	(0.222)	502976	50.0000	54.6
6 Vinyl Chloride	62	1.720	1.738	(0.235)	388650	50.0000	53.2(T)
7 Bromomethane	96	2.114	2.132	(0.289)	235168	50.0000	55.4(TQ)
8 Chloroethane	64	2.202	2.242	(0.301)	292695	50.0000	54.7(T)
9 Trichlorofluoromethane	101	2.449	2.458	(0.334)	485947	50.0000	57.8
10 Acrolein	56	2.923	2.940	(0.399)	153287	100.000	113(Q)
11 1,1,2 Trichlorotrifluoromethan	101	2.952	2.955	(0.403)	325410	50.0000	49.6(Q)
12 Acetone	43	2.998	3.024	(0.409)	228537	100.000	102(T)
13 1,1-Dichloroethene	61	3.159	3.174	(0.431)	715054	50.0000	49.3
109 t-Butyl-Alcohol	59	3.277	3.300	(0.448)	324850	500.000	440(Q)
14 Acetonitrile	41	3.347	3.349	(0.457)	575072	500.000	522
15 Iodomethane	142	3.551	3.555	(0.485)	485073	50.0000	54.3(q)
16 Methyl Acetate	43	3.623	3.632	(0.495)	328530	50.0000	44.6
17 Allyl Chloride	41	3.646	3.658	(0.498)	700207	50.0000	49.5
18 Carbon Disulfide	76	3.801	3.813	(0.519)	1286142	50.0000	40.7
19 Methylene Chloride	49	3.832	3.864	(0.523)	662441	50.0000	44.6
20 Acrylonitrile	53	4.041	4.045	(0.552)	335537	100.000	97.6(q)
21 Methyl-tert-butyl ether	73	4.091	4.108	(0.559)	985801	50.0000	58.4(q)
22 trans 1,2-Dichloroethene	61	4.275	4.294	(0.584)	651994	50.0000	49.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	23 1,1-Dichloroethane	63	4.943	4.944	(0.675)	824126	50.0000	51.1
	24 Vinyl Acetate	43	5.001	5.009	(0.683)	874322	50.0000	47.7
	25 Chloroprene	53	5.077	5.085	(0.693)	632536	50.0000	46.4
	26 2-Butanone	43	5.613	5.626	(0.766)	364164	100.000	80.2
	27 Propionitrile	54	5.711	5.725	(0.780)	556182	500.000	407
	28 2,2-Dichloropropane	77	5.759	5.761	(0.786)	304935	50.0000	61.6
	29 cis-1,2-Dichloroethene	96	5.823	5.827	(0.795)	459431	50.0000	48.5
	30 Methyacrylonitrile	67	5.973	5.981	(0.816)	1659190	500.000	440
	31 Isobutyl Alcohol	43	6.042	6.062	(0.825)	238336	1000.00	726(TQ)
	32 Chloroform	83	6.037	6.043	(0.824)	758854	50.0000	49.0
	33 Bromochloromethane	49	6.239	6.240	(0.852)	427325	50.0000	47.1
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.320	6.326	(0.863)	383196	50.0000	53.7
	35 1,1,1-Trichloroethane	97	6.542	6.546	(0.893)	542733	50.0000	54.6
	36 Cyclohexane	56	6.543	6.547	(0.893)	711368	50.0000	47.5
	37 1,1-Dichloropropene	75	6.740	6.744	(0.920)	598456	50.0000	50.3
	38 Carbon tetrachloride	117	6.847	6.853	(0.935)	462802	50.0000	57.4
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.944	6.951	(0.948)	89030	50.0000	50.9
	40 1,2-Dichloroethane	62	7.057	7.061	(0.963)	601984	50.0000	48.0
	41 Benzene	78	7.057	7.061	(0.964)	1814460	50.0000	47.2
*	42 FLUOROBENZENE (IS)	96	7.324	7.327	(1.000)	1494057	50.0000	
	43 Trichloroethylene	130	7.774	7.776	(1.061)	399705	50.0000	48.4
	44 Methyl Cyclohexane	55	7.831	7.834	(1.069)	524778	50.0000	49.1
	45 1,2-Dichloropropane	63	7.976	7.980	(1.089)	483100	50.0000	49.5
	46 Methyl Methacrylate	69	8.079	8.079	(1.103)	267308	50.0000	47.3
	47 Bromodichloromethane	83	8.230	8.231	(1.124)	568355	50.0000	49.9
	48 1,4 Dioxane	88	8.275	8.293	(1.130)	74138	1000.00	926
	49 Dibromomethane	93	8.280	8.288	(1.131)	264960	50.0000	46.0
	50 4-Methyl-2-Pentanone	43	8.627	8.635	(0.661)	787497	100.000	84.1
	51 2-Hexanone	43	9.538	9.546	(0.897)	571573	100.000	84.4
	52 cis 1,3-Dichloropropene	75	8.828	8.831	(1.205)	633304	50.0000	45.2
$	53 TOLUENE d8 (surr)	98	9.073	9.076	(1.239)	1552643	50.0000	52.4
	54 Toluene	92	9.155	9.159	(1.250)	1134783	50.0000	49.3
	55 trans 1,3-Dichloropropene	75	9.359	9.362	(1.278)	546668	50.0000	47.5
	56 Ethyl Methacrylate	69	9.364	9.367	(1.278)	515974	50.0000	51.1
	57 1,1,2-Trichloroethane	97	9.515	9.516	(1.299)	384420	50.0000	48.7
	58 1,3-Dichloropropane	76	9.777	9.779	(0.920)	688331	50.0000	48.4
	59 Tetrachloroethylene	164	9.828	9.829	(0.925)	298958	50.0000	49.0
	60 Dibromochloromethane	129	10.036	10.036	(0.944)	388962	50.0000	49.4
	61 1,2-Dibromoethane	107	10.240	10.241	(0.963)	357745	50.0000	46.0
	62 1-Chlorohexane	91	10.417	10.421	(0.980)	584700	50.0000	53.1
*	63 CHLOROBENZENE d5 (IS)	117	10.628	10.630	(1.000)	1087719	50.0000	
	64 Chlorobenzene	112	10.667	10.668	(1.004)	1202161	50.0000	48.5
	65 1,1,1,2-Tetrachloroethane	131	10.714	10.715	(1.008)	373463	50.0000	53.3(q)
	66 Ethylbenzene	106	10.723	10.723	(1.009)	652316	50.0000	48.5
	67 p,m-Xylene	106	10.801	10.802	(1.016)	1637964	100.000	95.4
	68 o-Xylene	91	11.240	11.242	(1.058)	1772207	50.0000	46.9
	69 Styrene	104	11.277	11.280	(1.061)	1300806	50.0000	47.9
	70 Bromoform	173	11.616	11.616	(1.093)	208763	50.0000	45.4
	71 1-Methylethylbenzene	105	11.604	11.606	(0.889)	2072492	50.0000	50.1
	72 1,4-Dichloro-2-Butene	53	11.274	11.258	(0.864)	14014	100.000	72.6(Q)
	73 1,1,2,2-Tetrachloroethane	83	11.780	11.781	(0.903)	510582	50.0000	44.2
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.856	11.857	(0.909)	613114	50.0000	48.9
	75 1,2,3- trichloropropane	110	11.927	11.930	(0.914)	139110	50.0000	43.3
	76 n-Propylbenzene	91	12.008	12.009	(0.920)	2693590	50.0000	47.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 Bromobenzene	77	12.047	12.049	(0.923)	948037	50.0000	46.4
78 1,3,5-Trimethylbenzene	105	12.166	12.167	(0.933)	1763599	50.0000	47.0
79 2-Chlorotoluene	91	12.184	12.185	(0.934)	1779283	50.0000	47.5
80 4-Chlorotoluene	91	12.232	12.232	(0.938)	1663947	50.0000	46.5
81 tert-Butylbenzene	119	12.526	12.527	(0.960)	1633821	50.0000	48.5
82 1,2,4-trimethylbenzene	105	12.561	12.562	(0.963)	1866614	50.0000	49.4
83 sec-Butylbenzene	105	12.738	12.740	(0.976)	2195006	50.0000	47.7
84 p-Isopropyltoluene	119	12.876	12.878	(0.987)	1798911	50.0000	47.9
85 1,3-Dichlorobenzene	146	12.970	12.975	(0.994)	954681	50.0000	47.7
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.046	13.048	(1.000)	605604	50.0000	
87 1,4-Dichlorobenzene	146	13.078	13.079	(1.002)	969523	50.0000	48.6
88 Benzyl Chloride	91	13.197	13.195	(1.012)	726271	50.0000	61.0
89 n-Butylbenzene	91	13.288	13.289	(1.019)	1737471	50.0000	47.4
90 1,2-Dichlorobenzene	146	13.449	13.450	(1.031)	899809	50.0000	47.0
91 1,2-dibromo-3-chloropropane	75	14.214	14.217	(1.090)	82183	50.0000	43.0
92 1,2,4-Trichlorobenzene	180	14.905	14.904	(1.143)	539707	50.0000	44.9
93 Hexachlorobutadiene	223	15.005	15.002	(1.150)	109459	50.0000	41.4
94 Naphthalene	128	15.090	15.087	(1.157)	1314735	50.0000	44.2
95 1,2,3-trichlorobenzene	180	15.259	15.254	(1.170)	484199	50.0000	46.3
103 Isopropyl Ether	45	4.834	4.846	(0.660)	1541865	50.0000	50.2
104 Ethyl acetate	43	5.872	5.883	(0.802)	729742	100.000	84.3
105 Cyclohexanone	55	11.663	11.672	(1.097)	298324	500.000	351
106 Ethyl ether	59	2.762	2.770	(0.377)	327655	50.0000	50.3(q)
107 2-Nitropropane	43	8.328	8.332	(1.137)	189965	100.000	103
108 Tetrahydrofuran	42	6.303	6.324	(0.861)	219271	100.000	70.3

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 50CCV32.D
Lab Smp Id: 082107CCVA32
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3082107.b\8260A.m
Misc Info:

Calibration Date: 08-AUG-2007
Calibration Time: 07:24
Client Smp ID: 082107CCVA32
Level: LOW
Sample Type: WATER

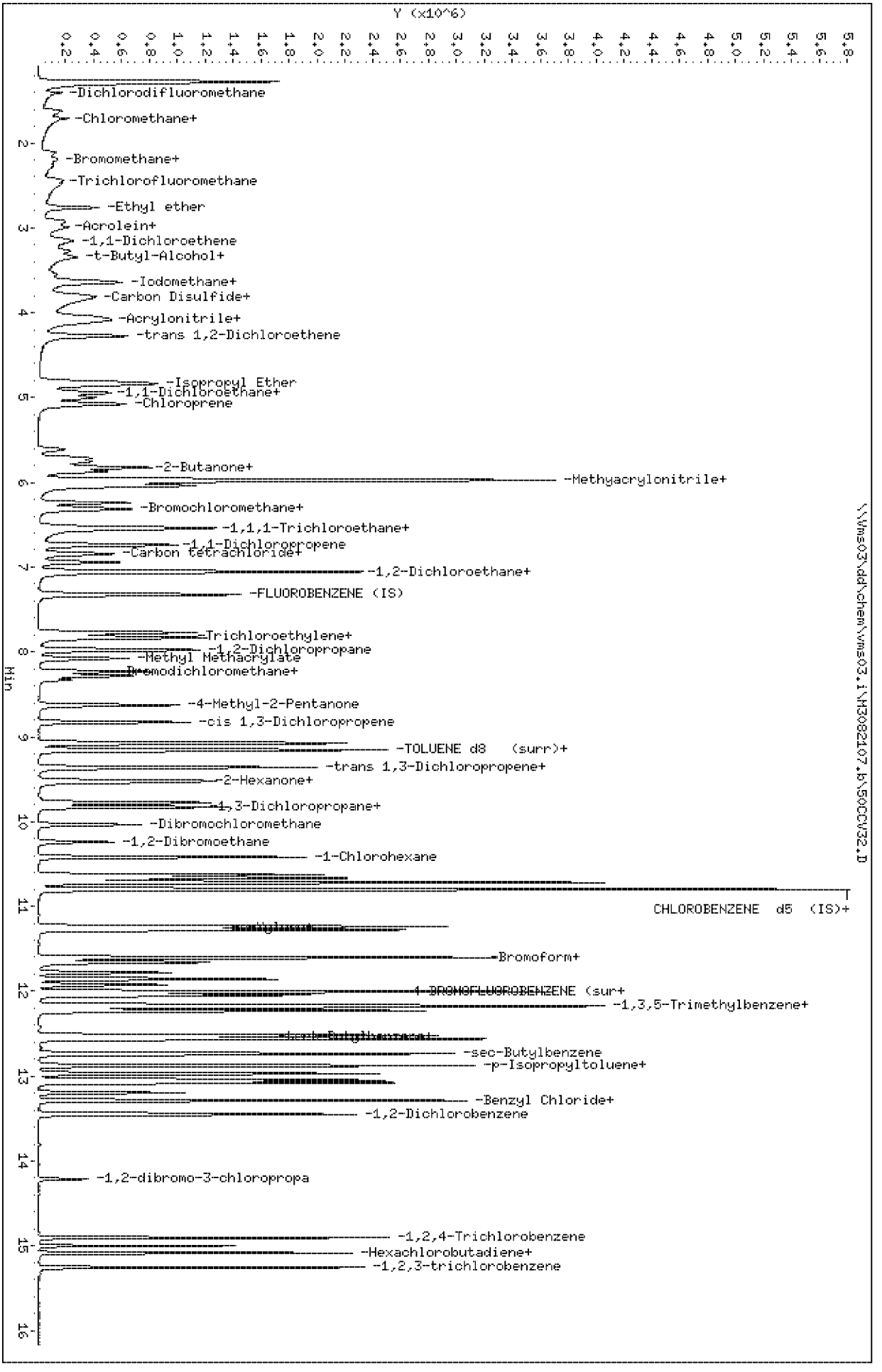
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1560391	780196	3120782	1494057	-4.25
63 CHLOROBENZENE d5	1113588	556794	2227176	1087719	-2.32
86 1,4-DICHLOROBENZE	593934	296967	1187868	605604	1.96

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.33	6.83	7.83	7.32	-0.07
63 CHLOROBENZENE d5	10.63	10.13	11.13	10.63	-0.03
86 1,4-DICHLOROBENZE	13.05	12.55	13.55	13.05	-0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D
Date : 21-AUG-2007 06:08
Client ID: 082107CCVA32
Sample Info: 082107CCVA32
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



Page 5

Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

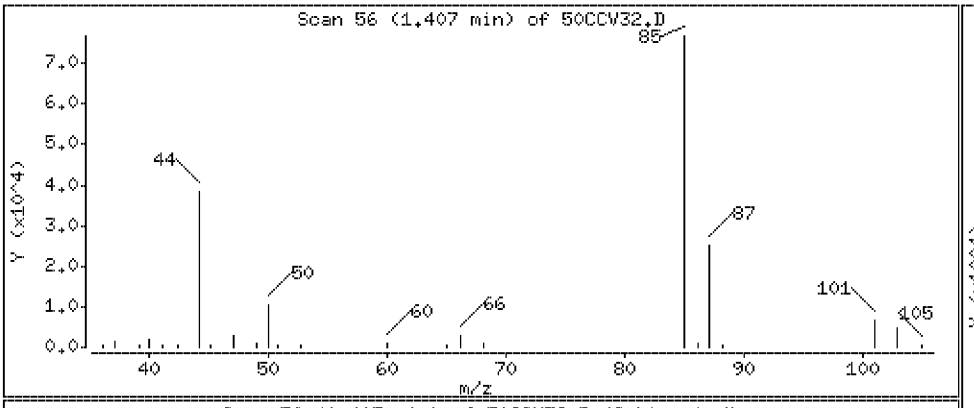
Client ID: 082107CCVA32 Instrument: vms03.i

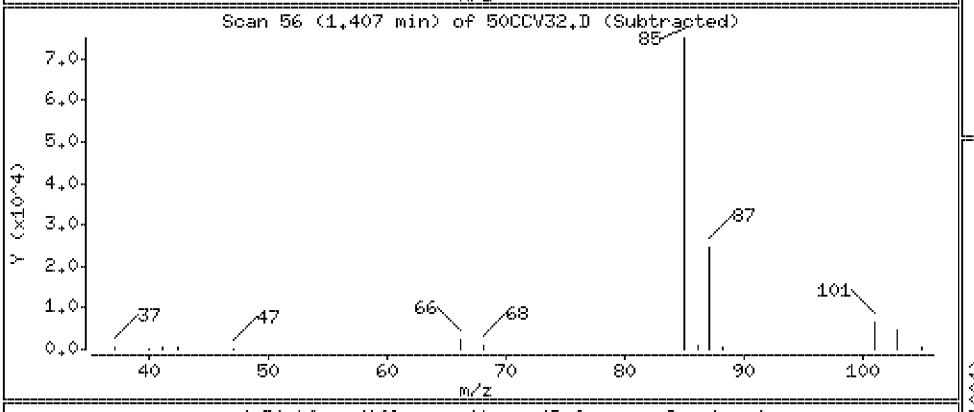
Sample Info: 082107CCVA32

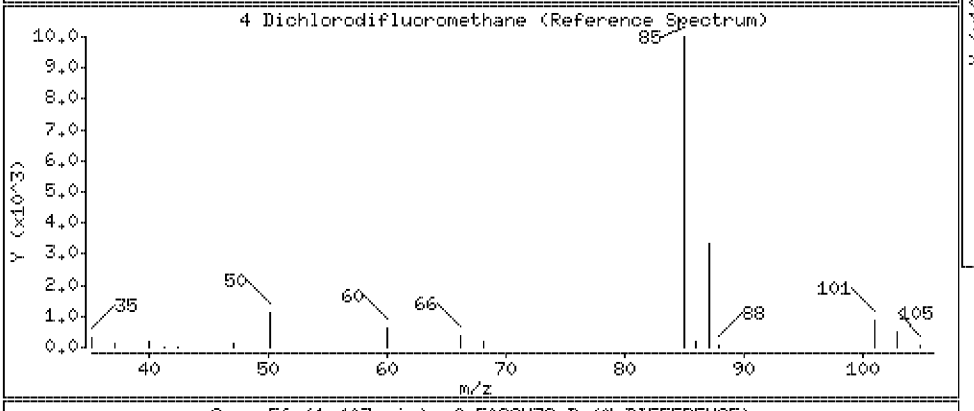
Purge Volume: 5.0 Operator:

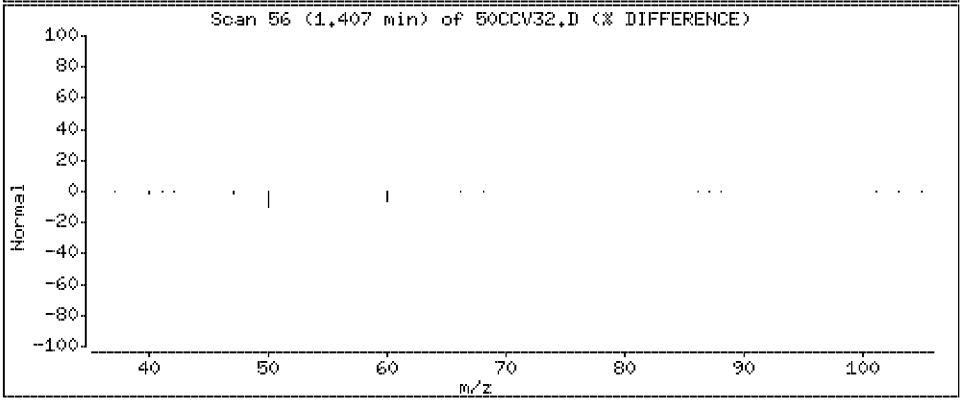
Column phase: DB-624 Column diameter: 0.18

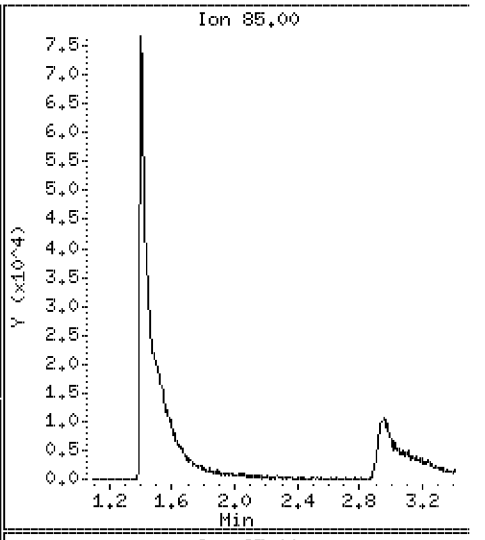
4 Dichlorodifluoromethane Concentration: 57.6 ug/l

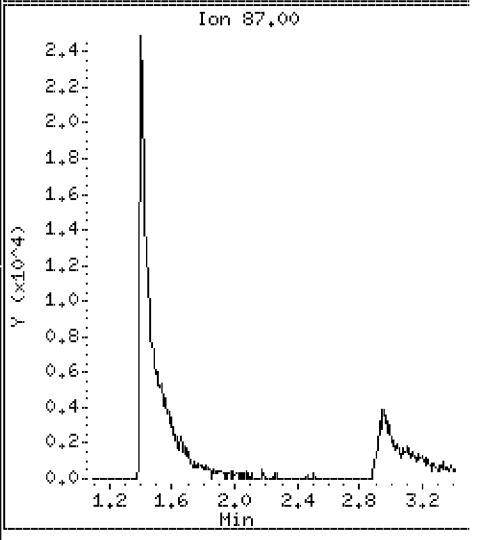












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

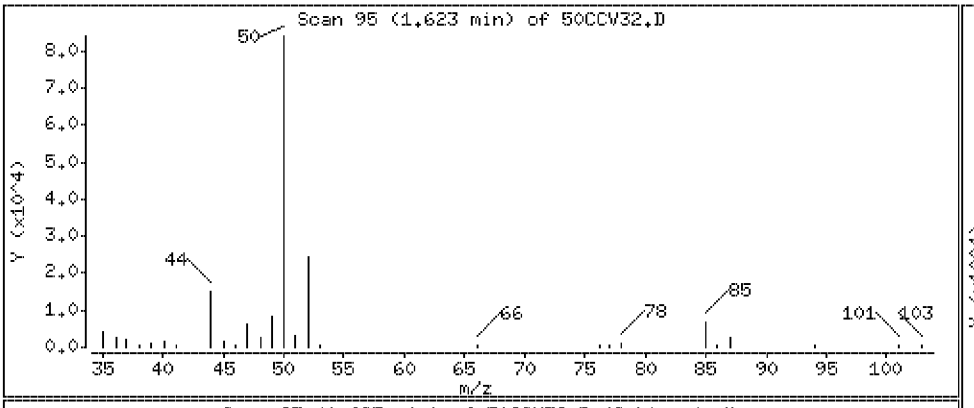
Client ID: 082107CCVA32 Instrument: vms03.i

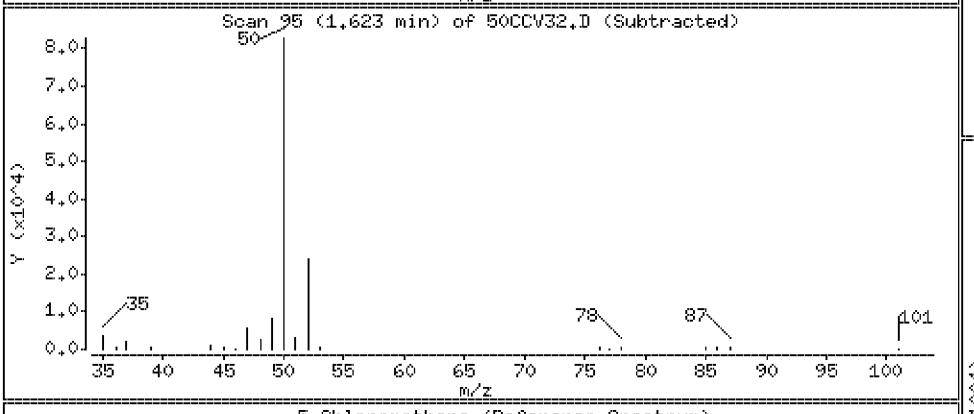
Sample Info: 082107CCVA32

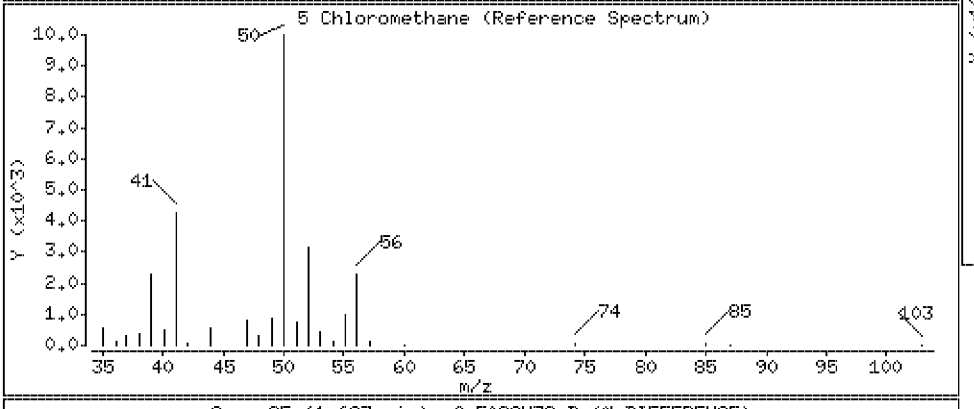
Purge Volume: 5.0 Operator:

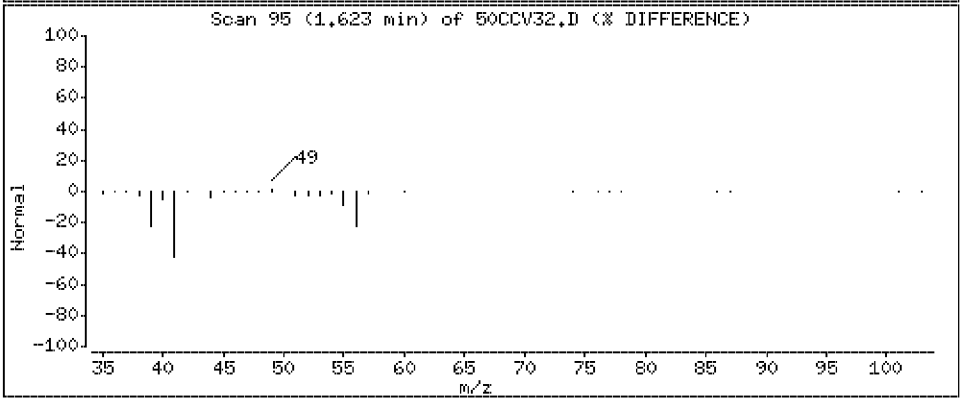
Column phase: DB-624 Column diameter: 0.18

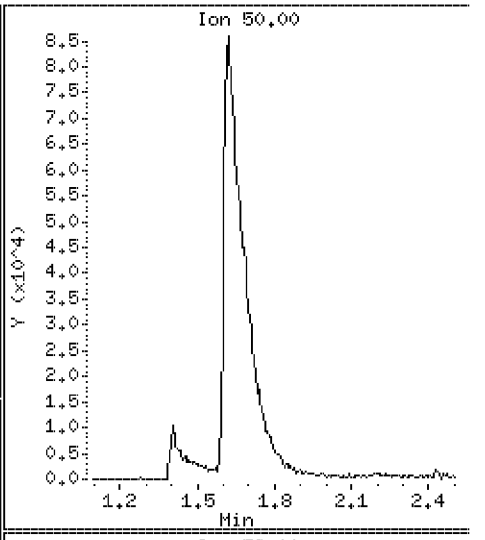
5 Chloromethane Concentration: 54.6 ug/l

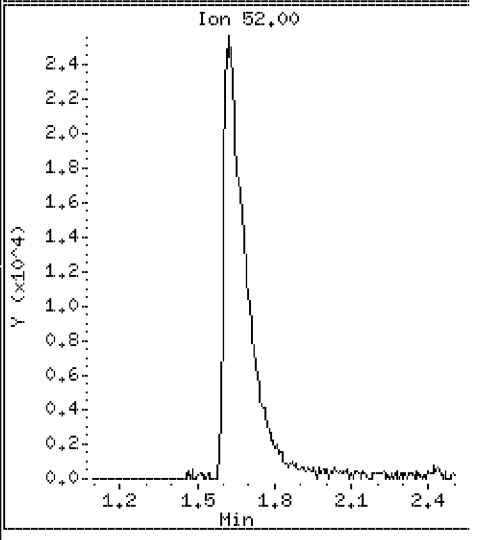












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

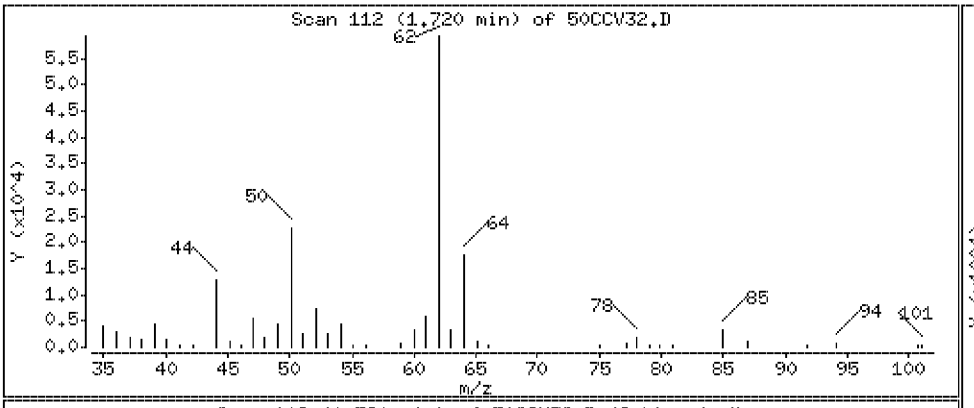
Client ID: 082107CCVA32 Instrument: vms03.i

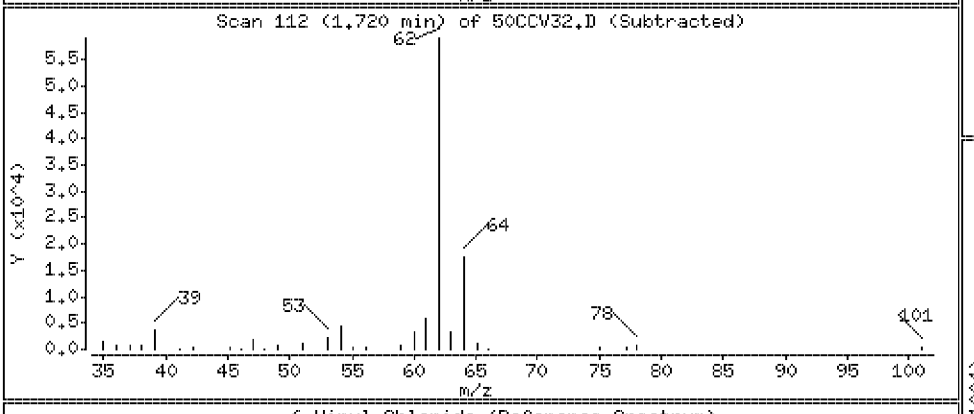
Sample Info: 082107CCVA32

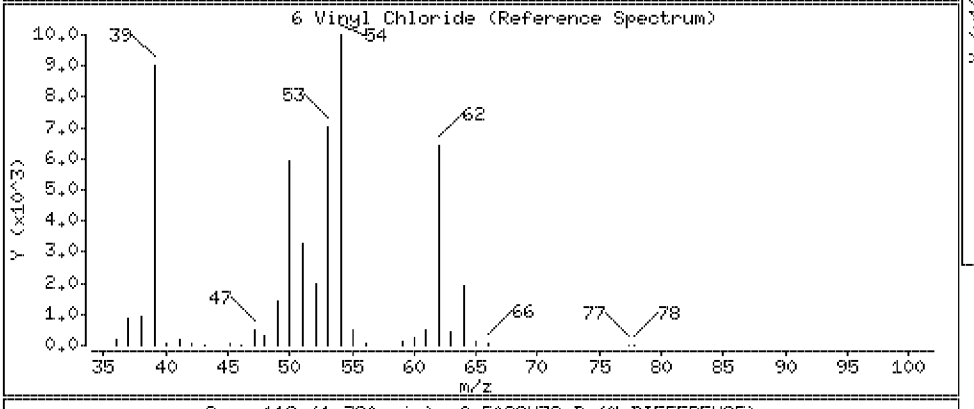
Purge Volume: 5.0 Operator:

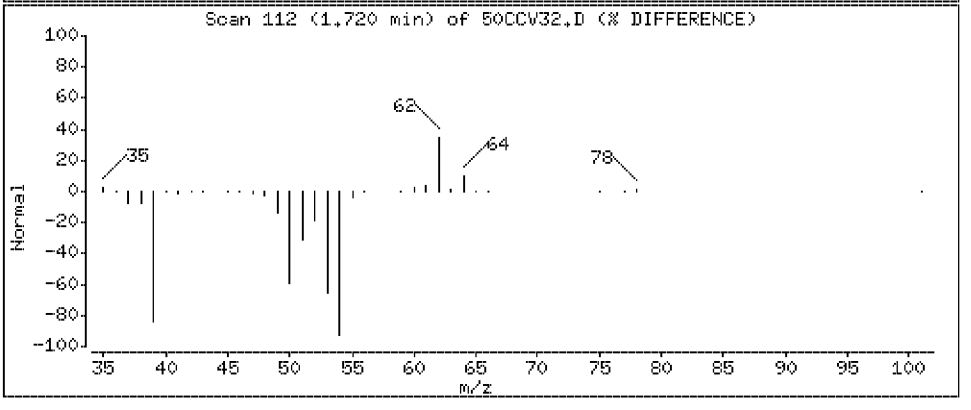
Column phase: DB-624 Column diameter: 0.18

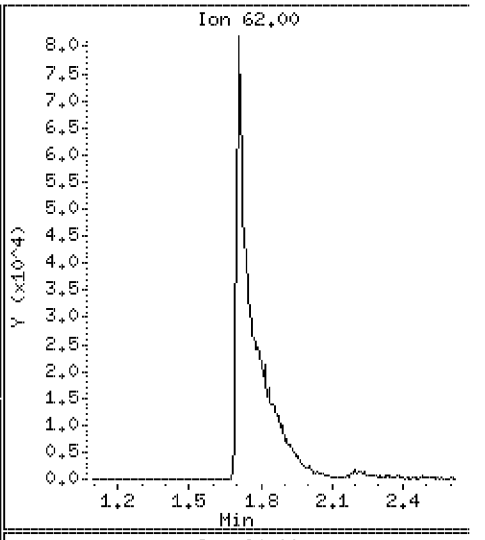
6 Vinyl Chloride Concentration: 53.2 ug/l

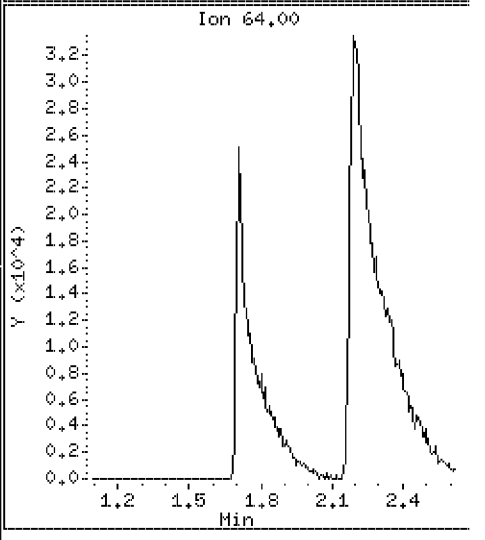












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

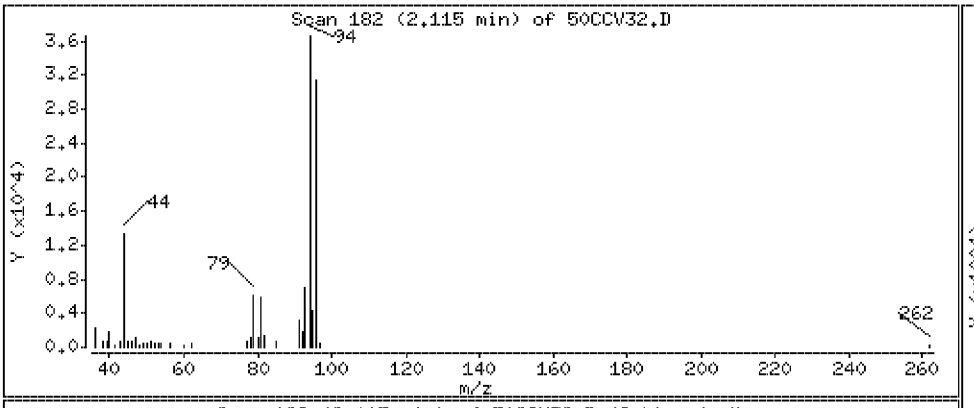
Client ID: 082107CCVA32 Instrument: vms03.i

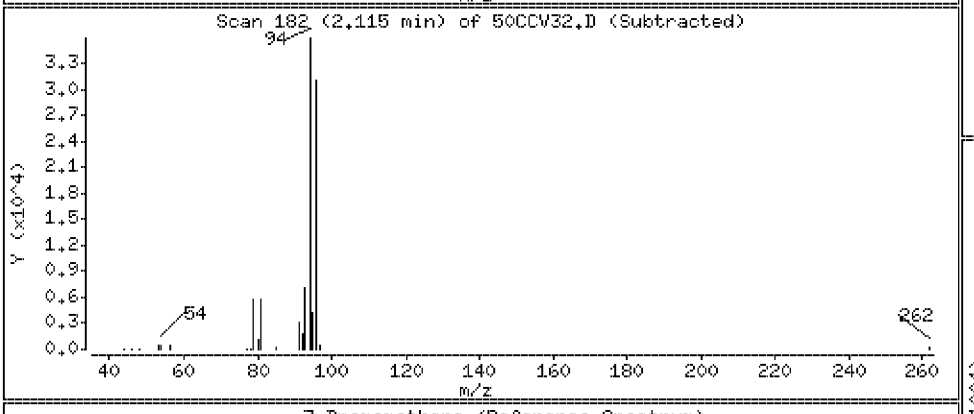
Sample Info: 082107CCVA32

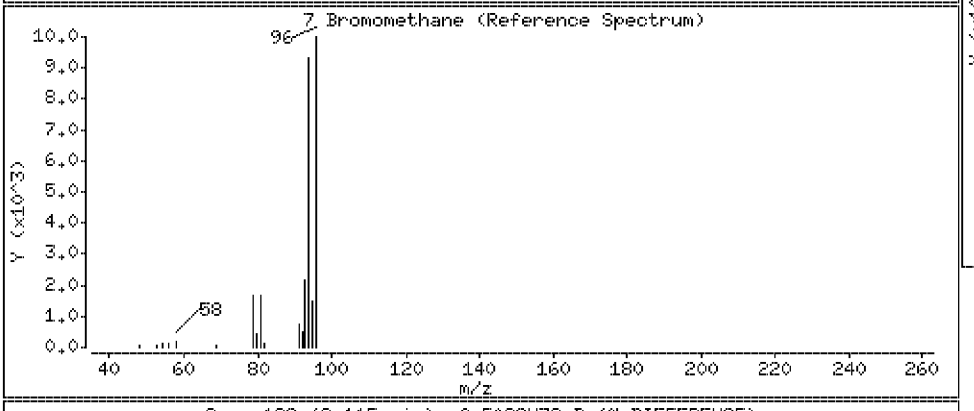
Purge Volume: 5.0 Operator:

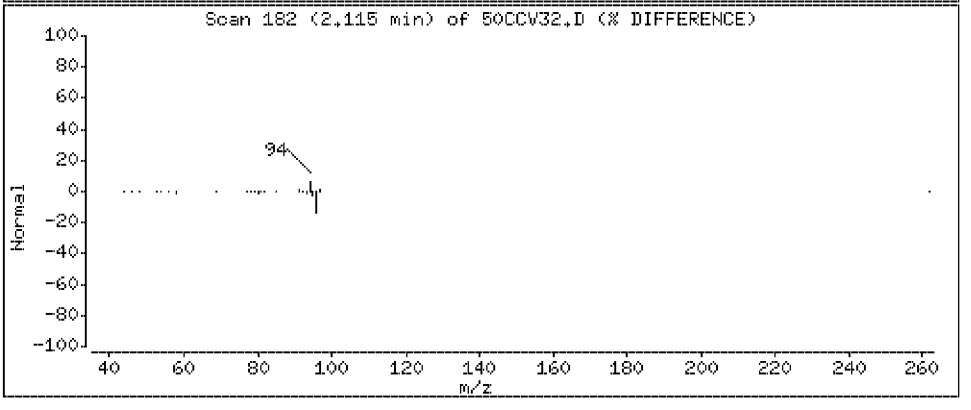
Column phase: DB-624 Column diameter: 0.18

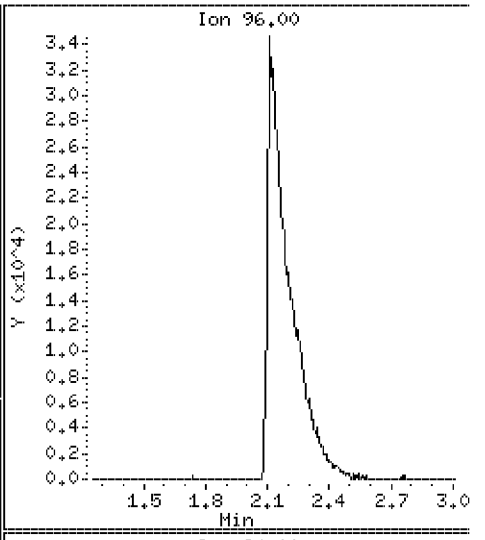
7 Bromomethane Concentration: 55.4 ug/l

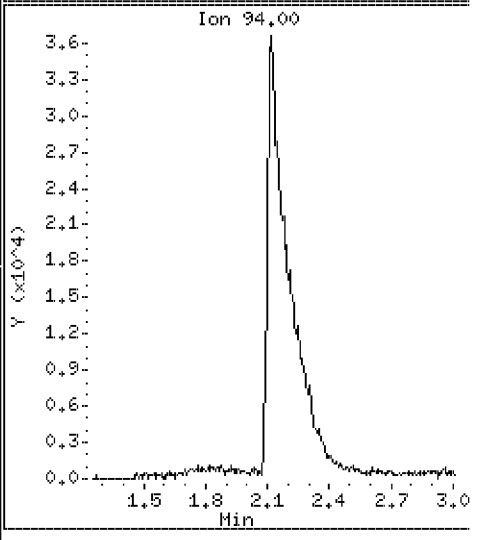












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

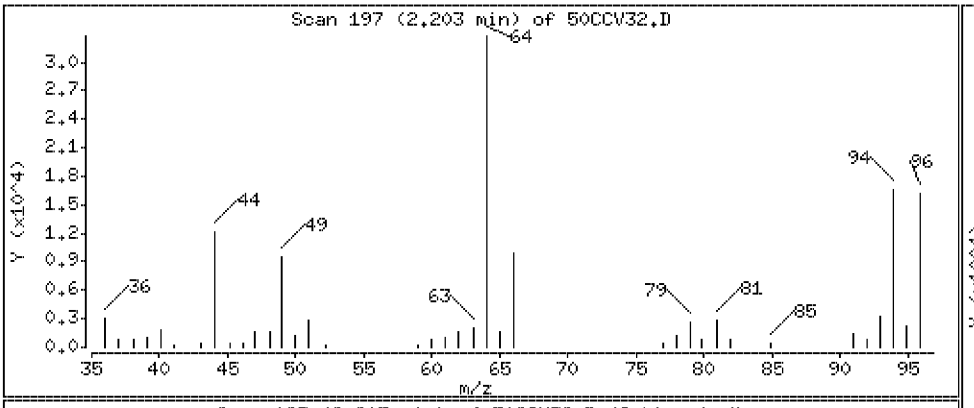
Client ID: 082107CCVA32 Instrument: vms03.i

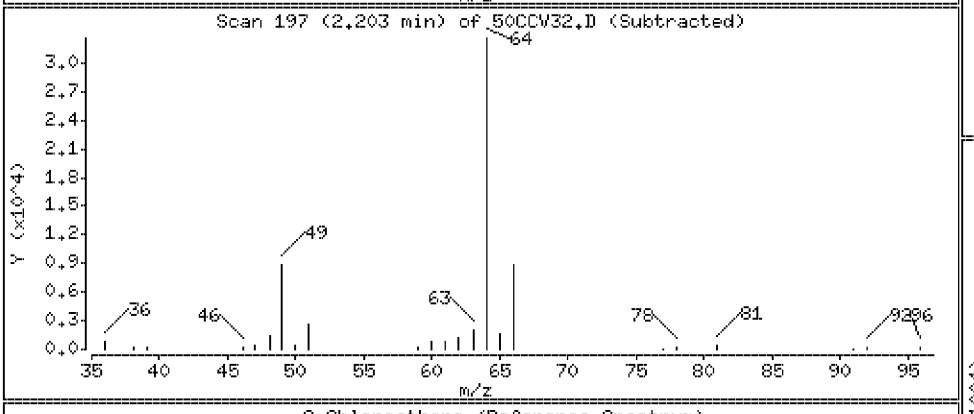
Sample Info: 082107CCVA32

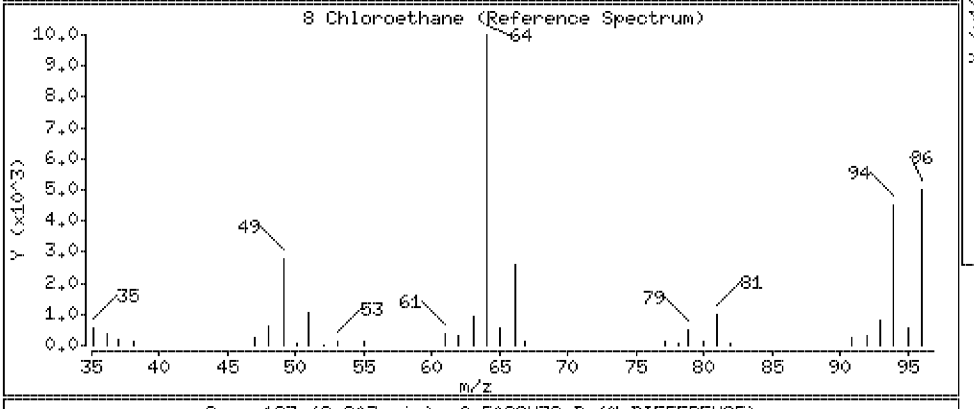
Purge Volume: 5.0 Operator:

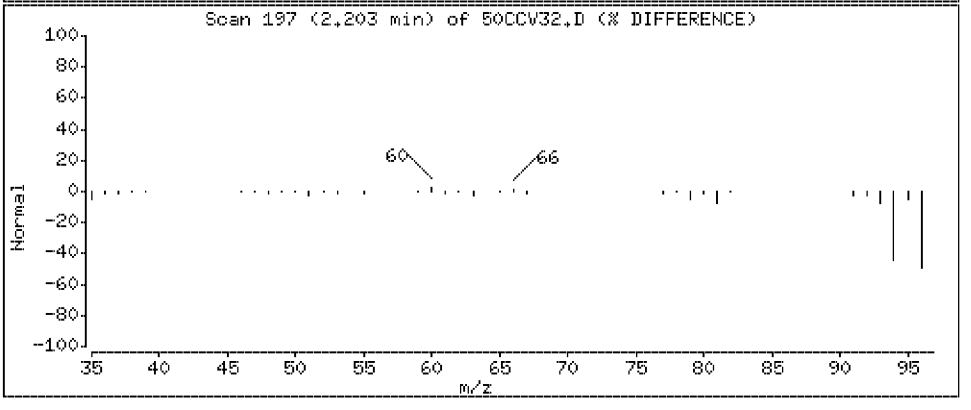
Column phase: DB-624 Column diameter: 0.18

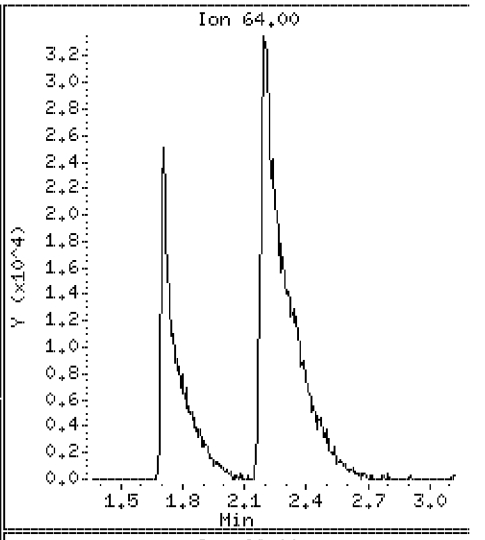
8 Chloroethane Concentration: 54.7 ug/l

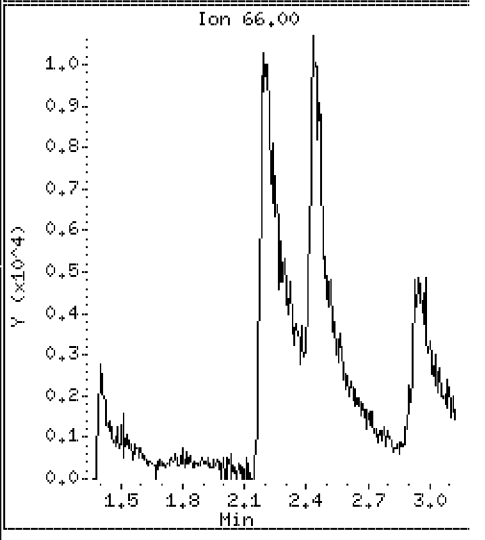












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

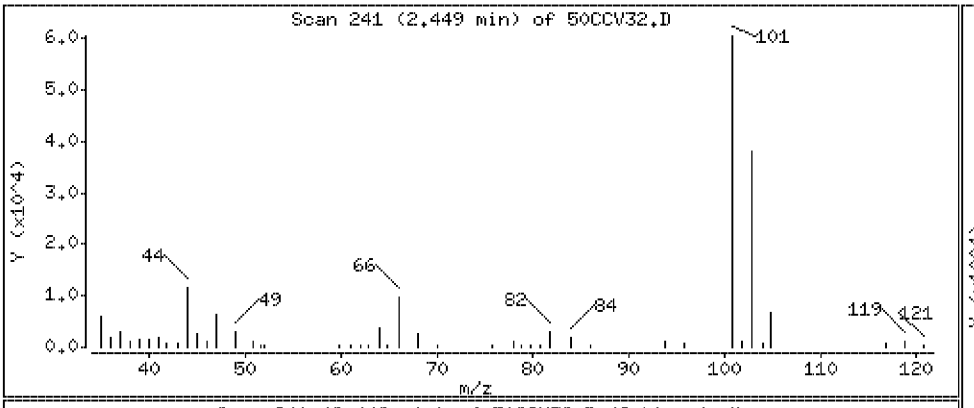
Client ID: 082107CCVA32 Instrument: vms03.i

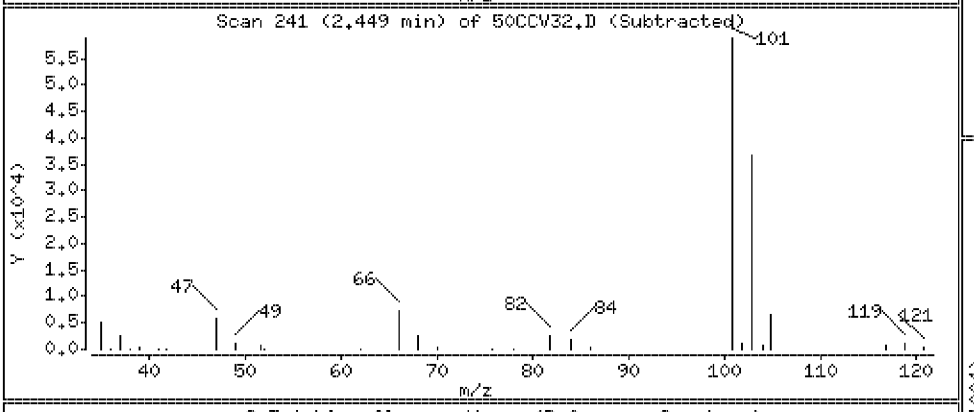
Sample Info: 082107CCVA32

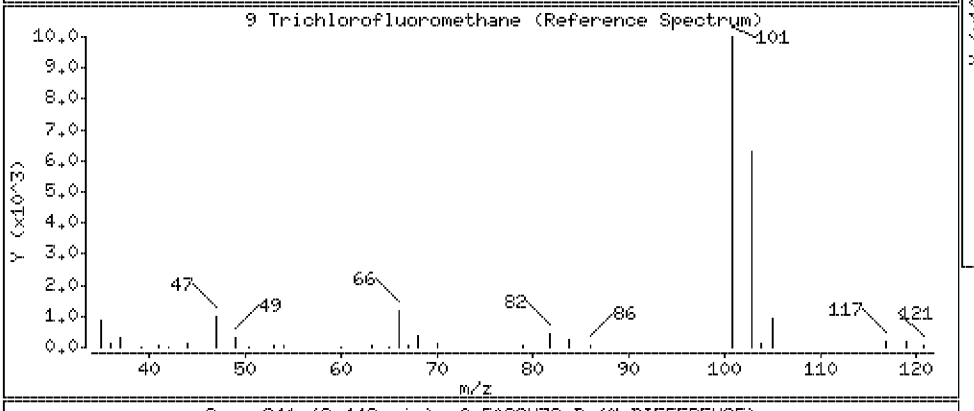
Purge Volume: 5.0 Operator:

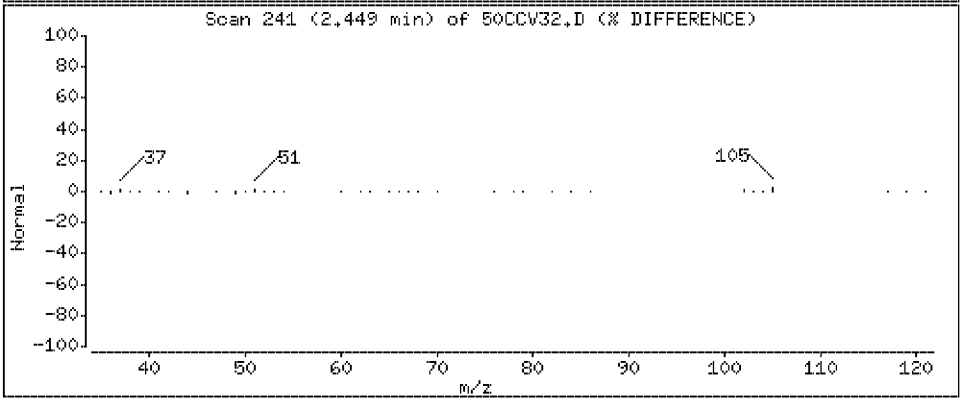
Column phase: DB-624 Column diameter: 0.18

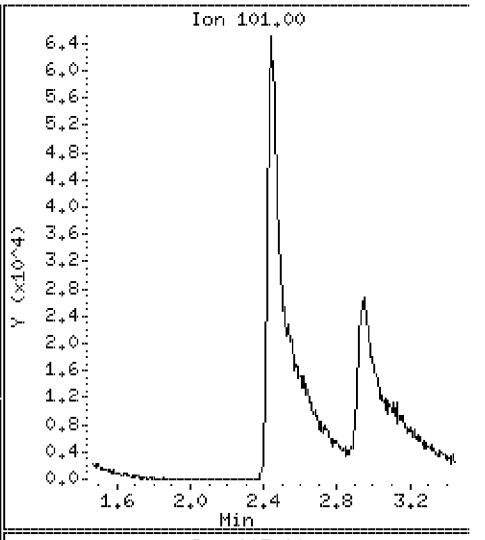
9 Trichlorofluoromethane Concentration: 57.8 ug/l

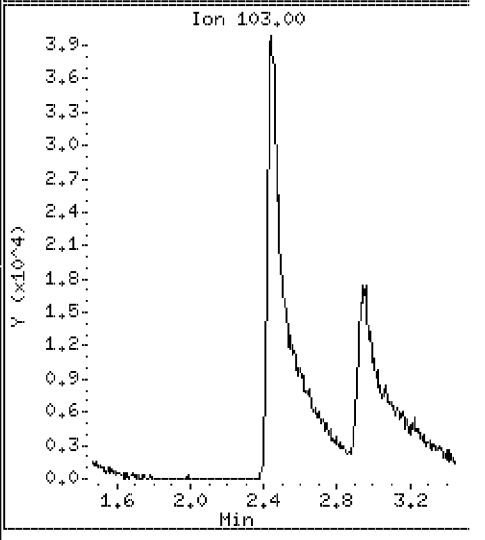












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

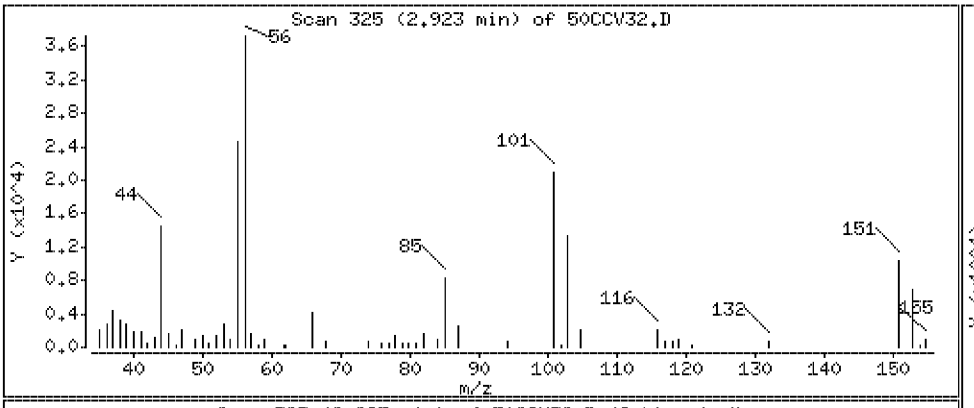
Client ID: 082107CCVA32 Instrument: vms03.i

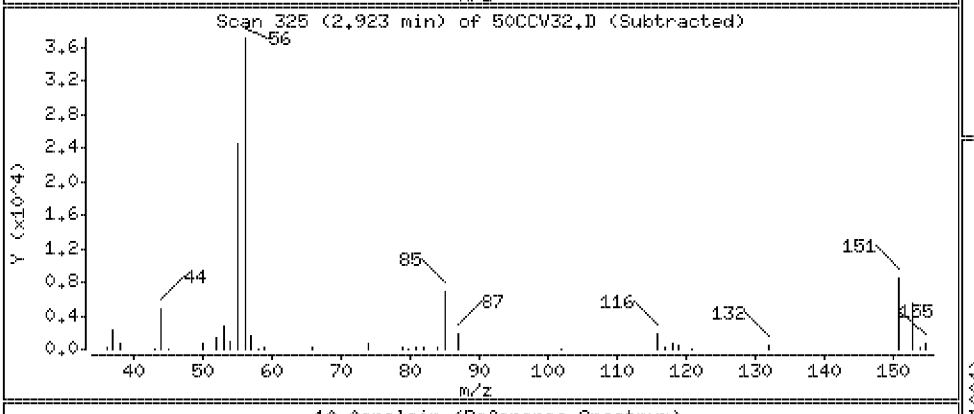
Sample Info: 082107CCVA32

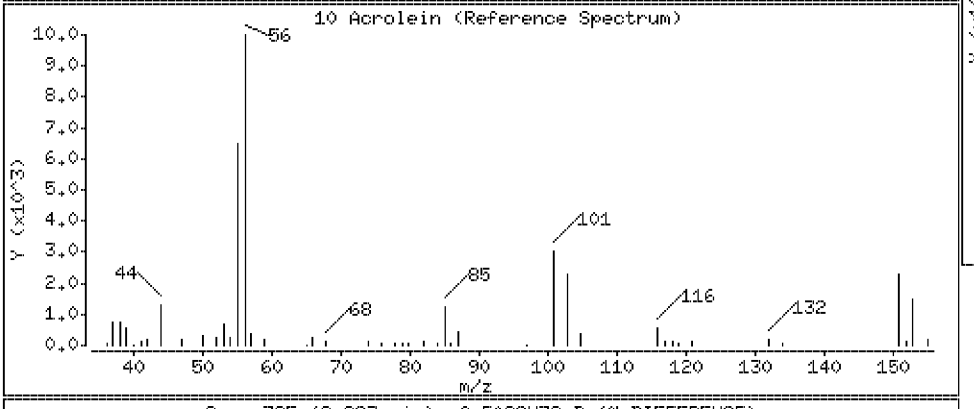
Purge Volume: 5.0 Operator:

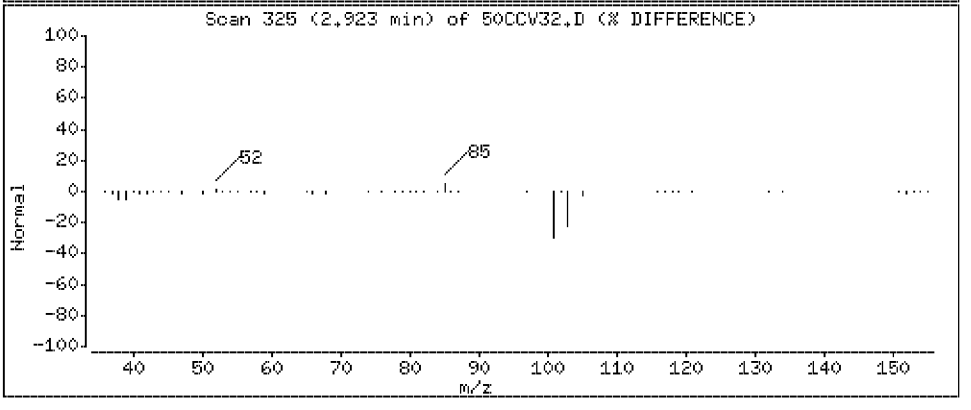
Column phase: DB-624 Column diameter: 0.18

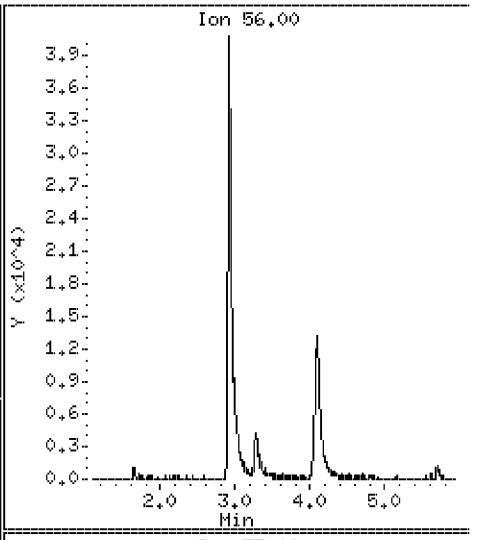
10 Acrolein Concentration: 113 ug/l

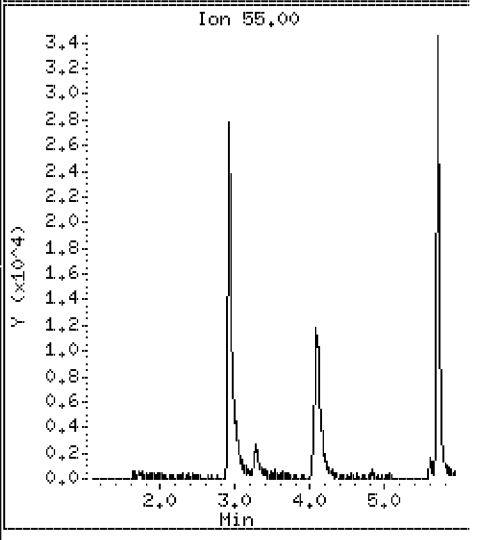












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

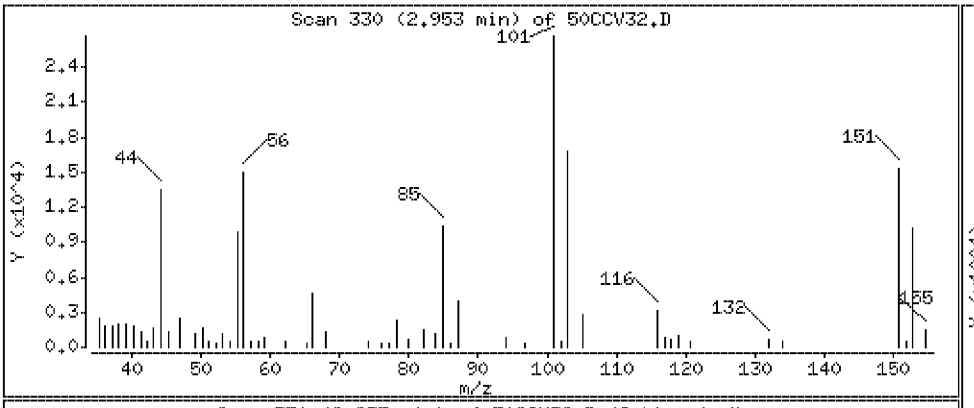
Client ID: 082107CCVA32 Instrument: vms03.i

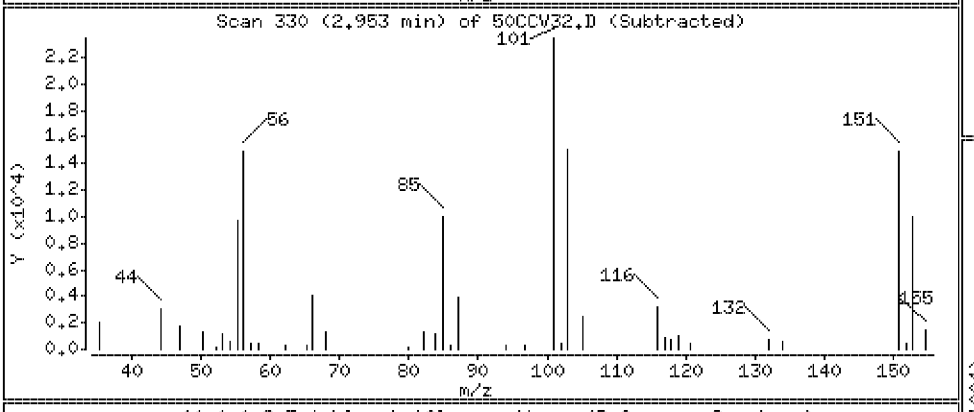
Sample Info: 082107CCVA32

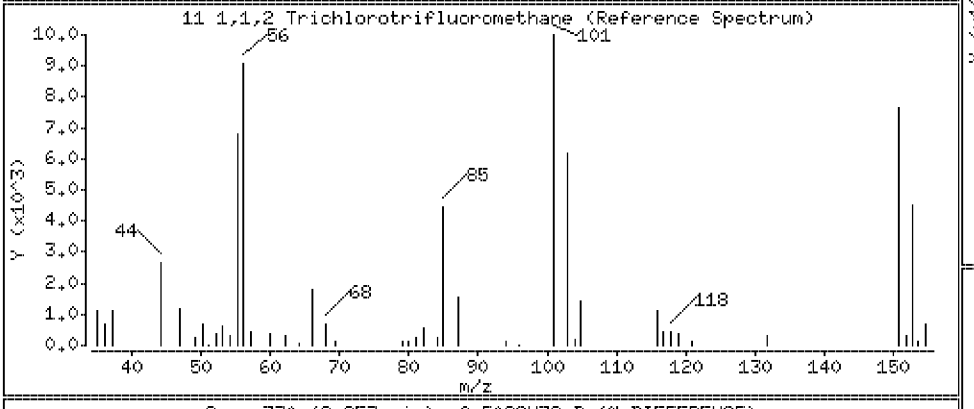
Purge Volume: 5.0 Operator:

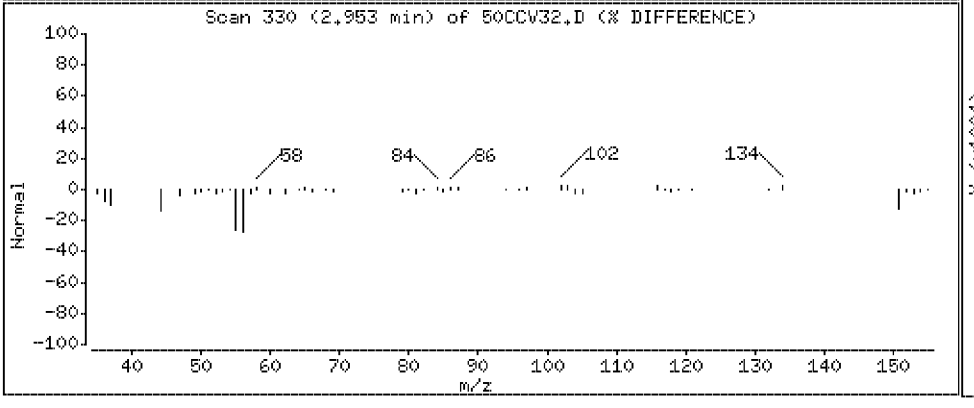
Column phase: DB-624 Column diameter: 0.18

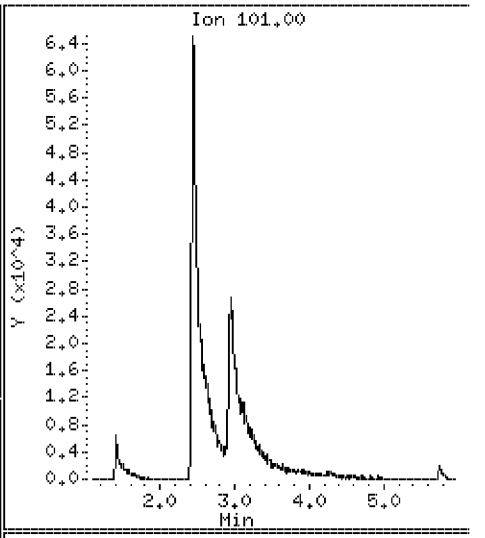
11 1,1,2 Trichlorotrifluoromethane Concentration: 49.6 ug/l

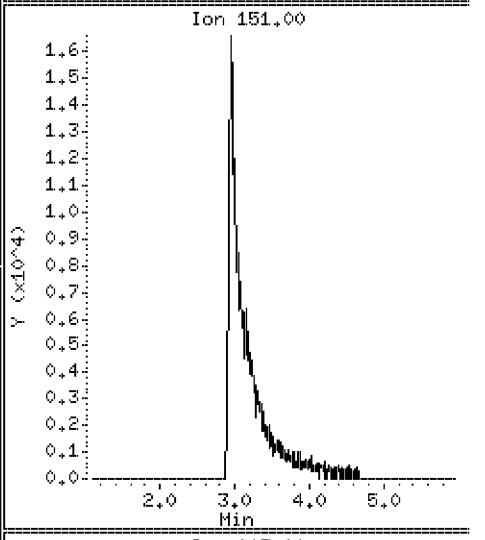


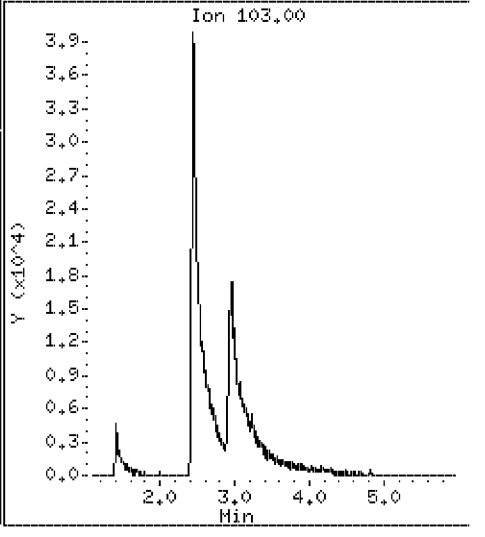












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

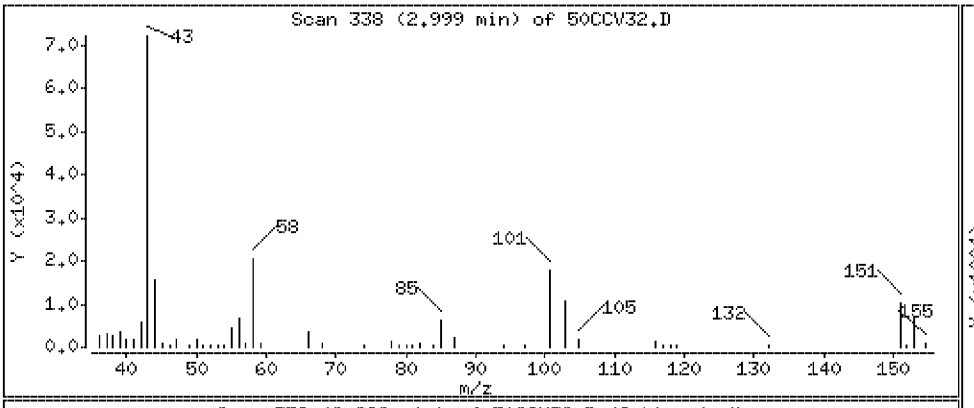
Client ID: 082107CCVA32 Instrument: vms03.i

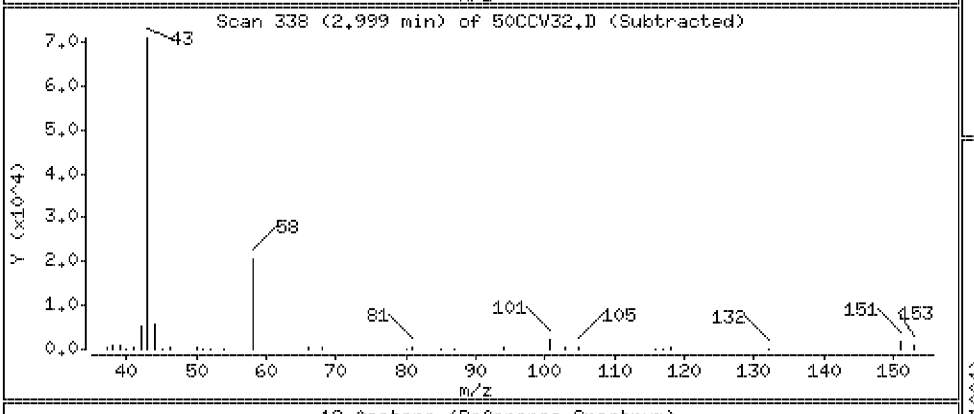
Sample Info: 082107CCVA32

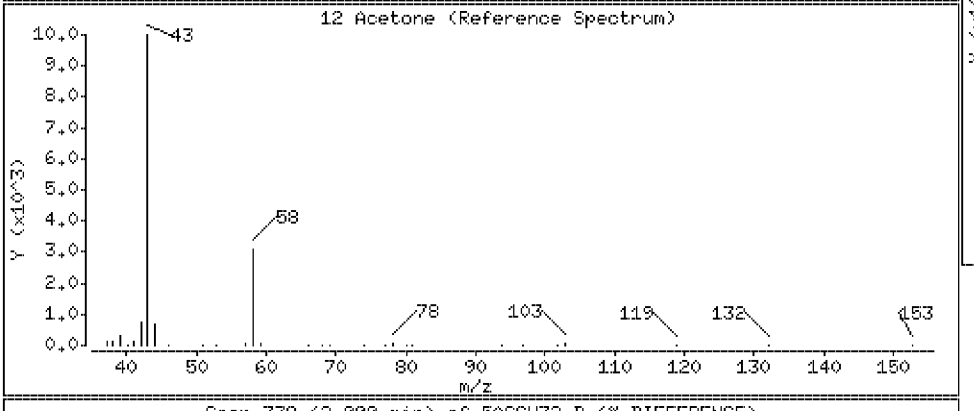
Purge Volume: 5.0 Operator:

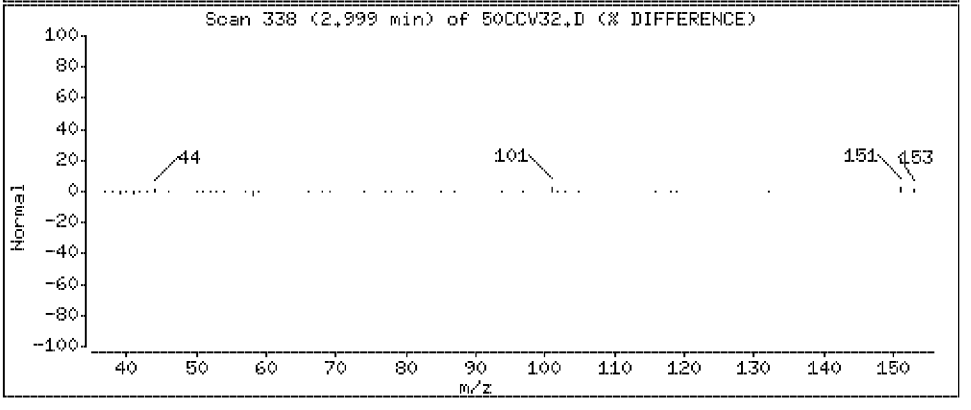
Column phase: DB-624 Column diameter: 0.18

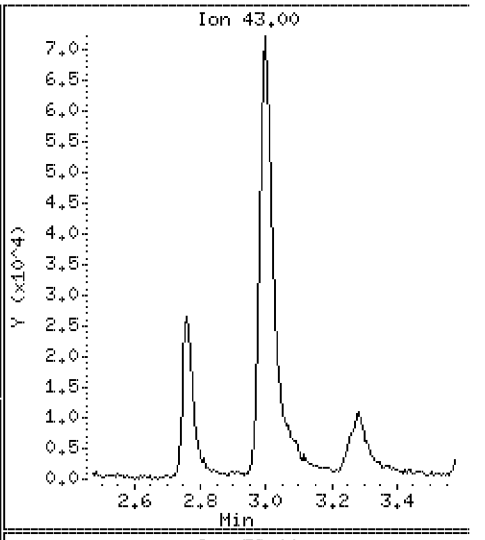
12 Acetone Concentration: 102 ug/l

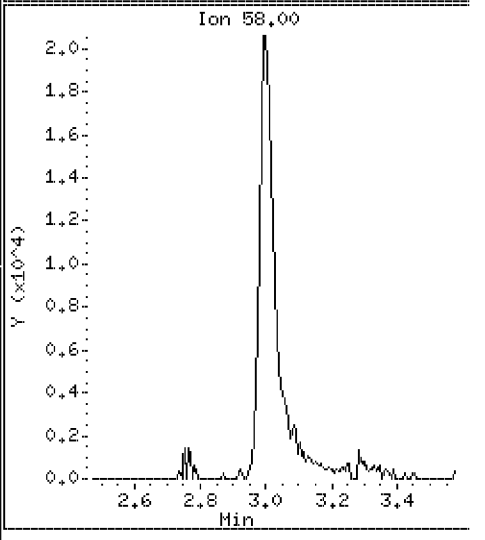












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

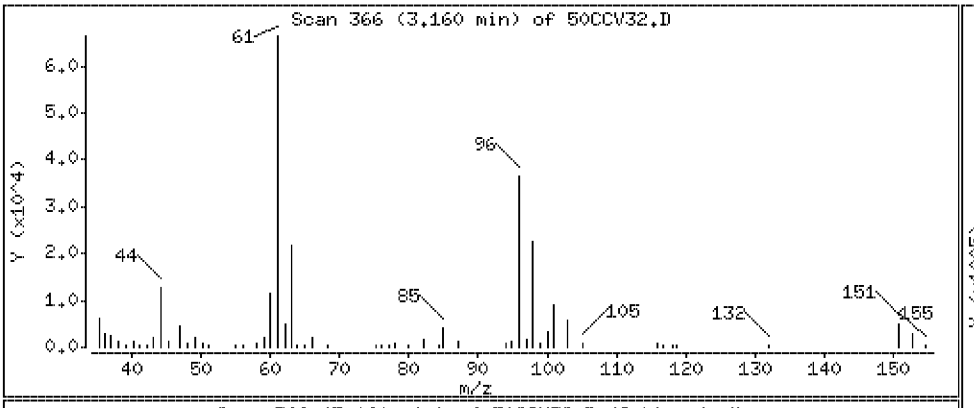
Client ID: 082107CCVA32 Instrument: vms03.i

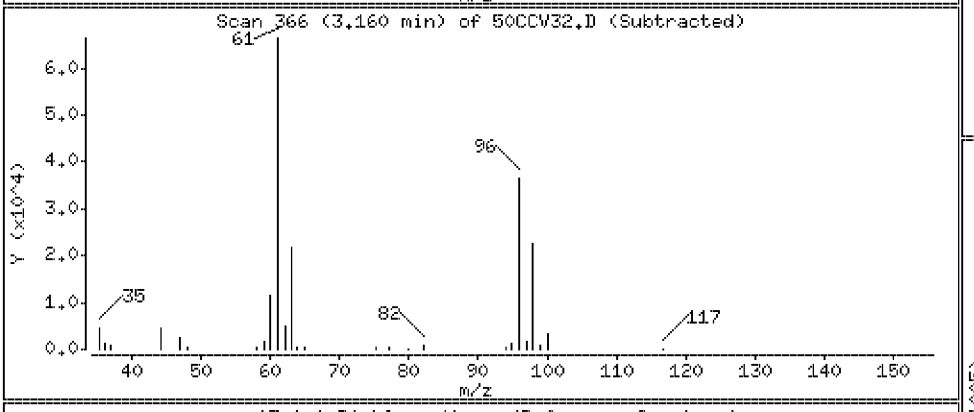
Sample Info: 082107CCVA32

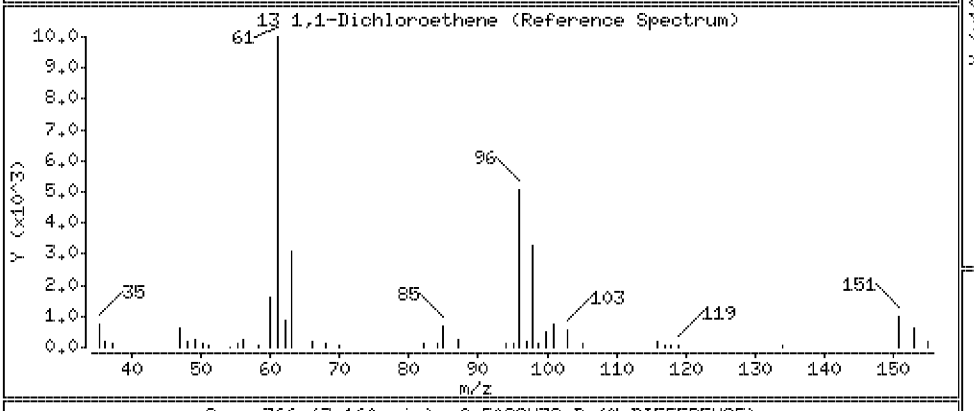
Purge Volume: 5.0 Operator:

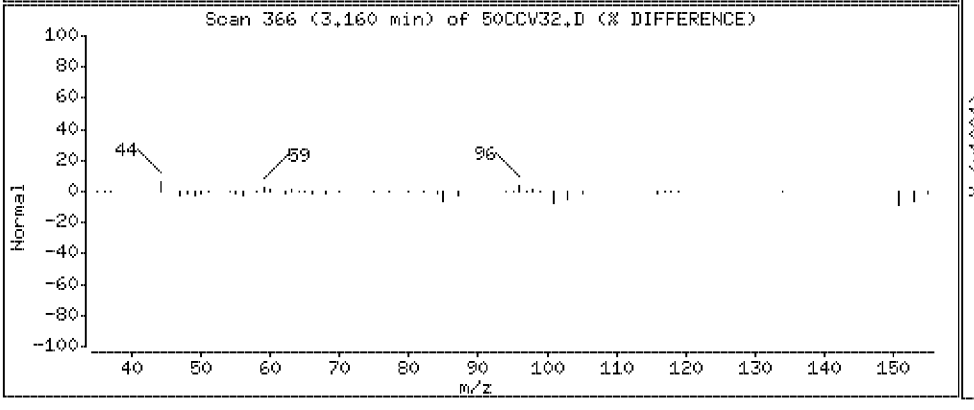
Column phase: DB-624 Column diameter: 0.18

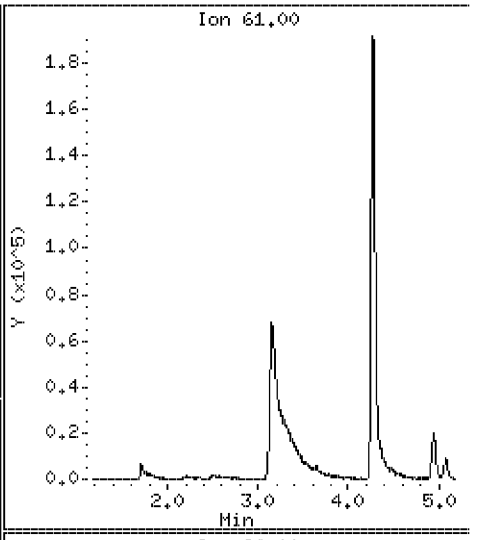
13 1,1-Dichloroethene Concentration: 49.3 ug/l

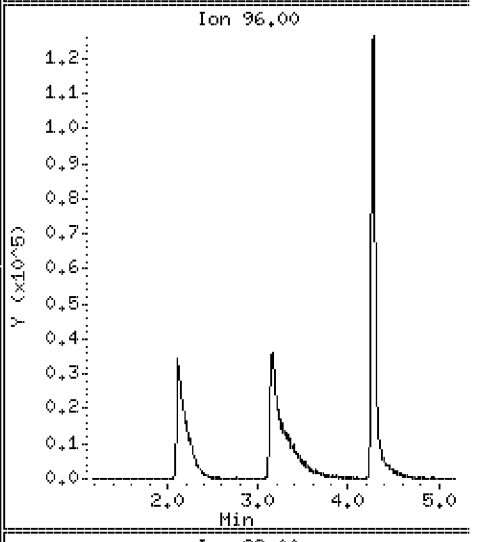


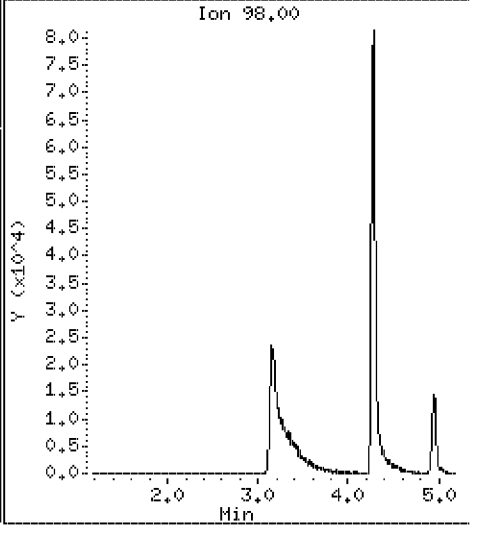












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

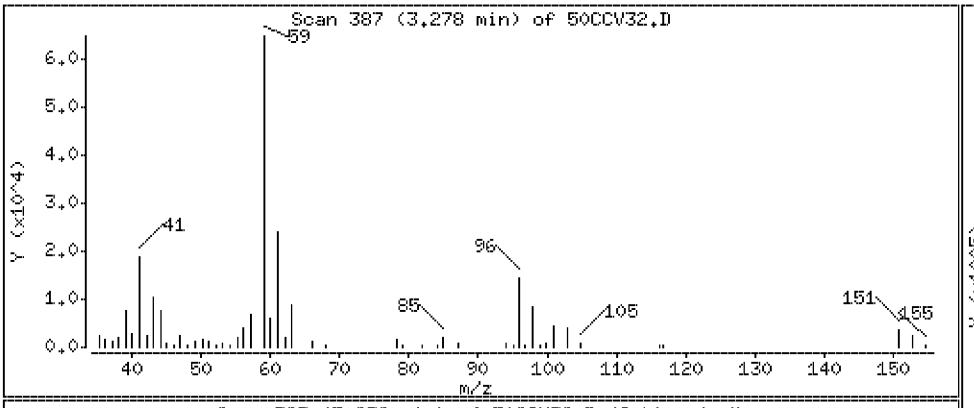
Client ID: 082107CCVA32 Instrument: vms03.i

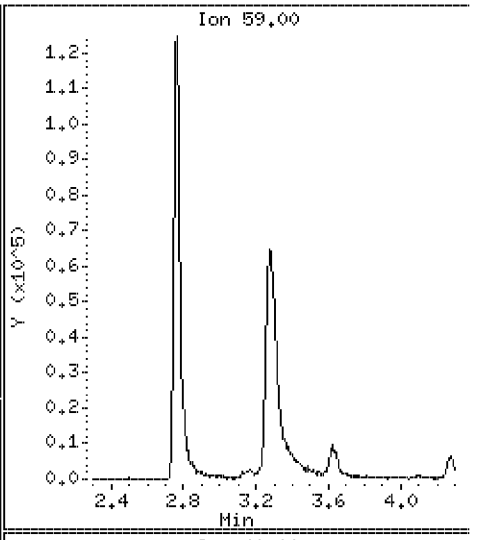
Sample Info: 082107CCVA32

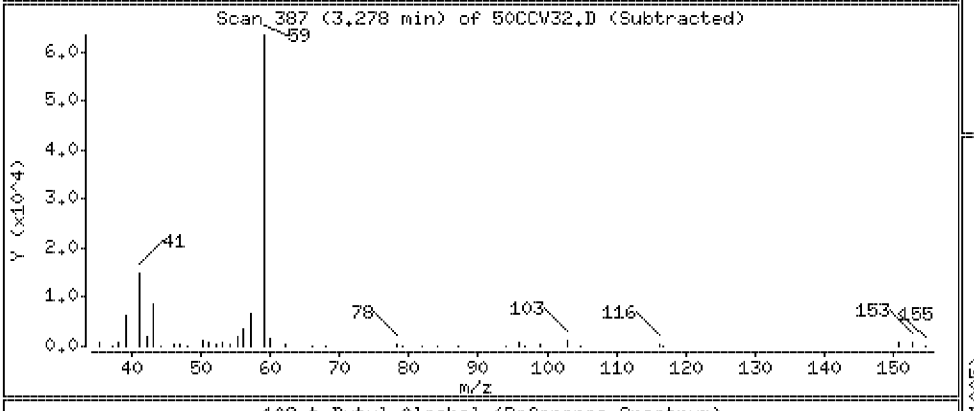
Purge Volume: 5.0 Operator:

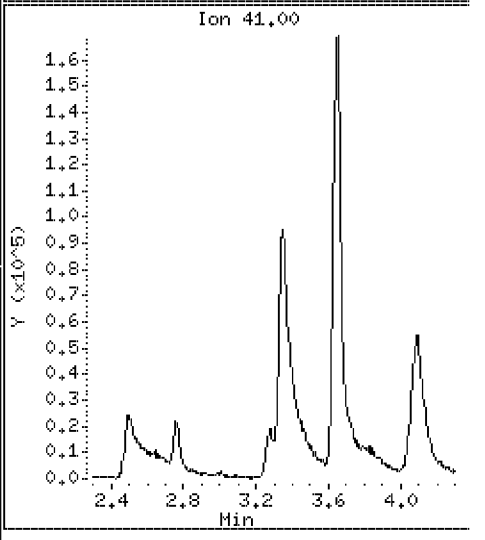
Column phase: DB-624 Column diameter: 0.18

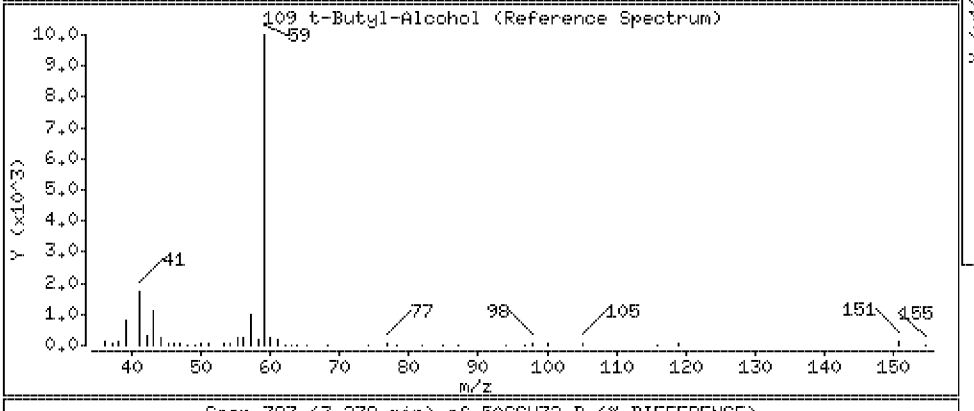
109 t-Butyl-Alcohol Concentration: 440 ug/l

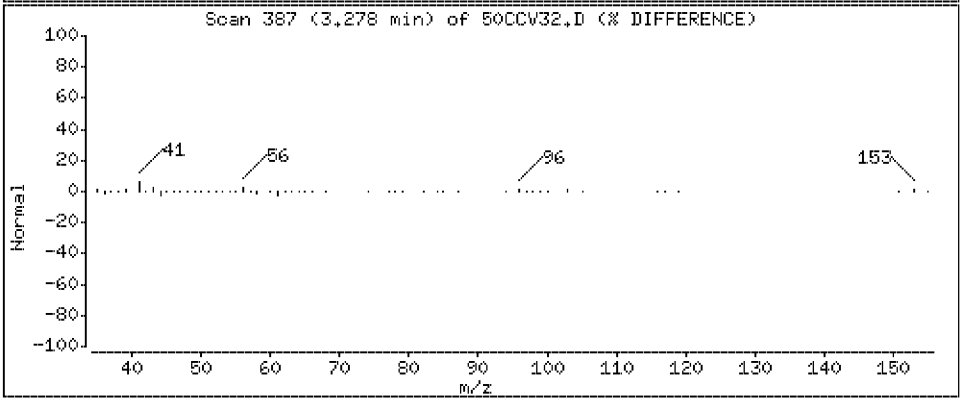












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Date : 21-AUG-2007 06:08

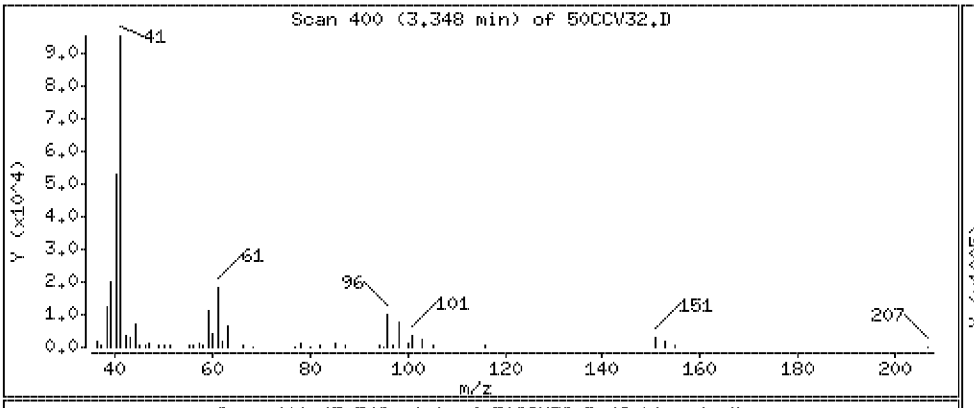
Client ID: 082107CCVA32 Instrument: vms03.i

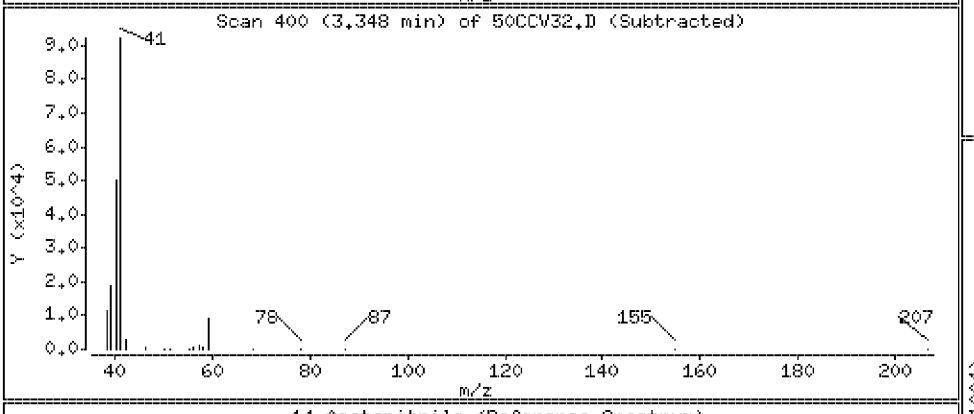
Sample Info: 082107CCVA32

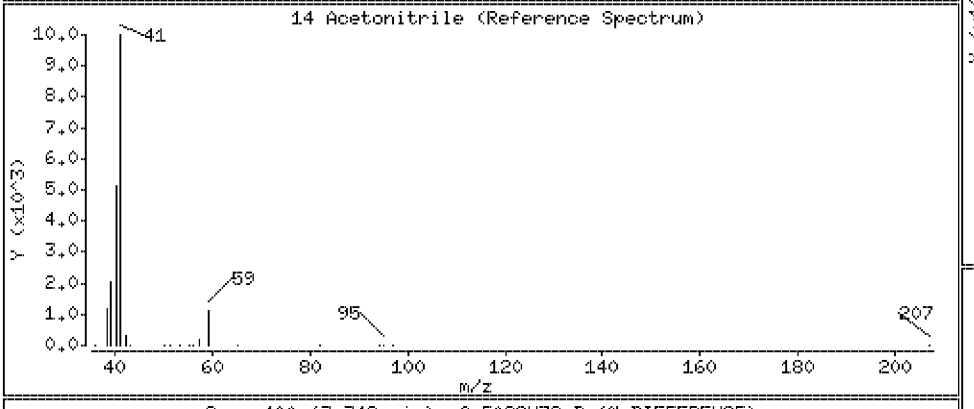
Purge Volume: 5.0 Operator:

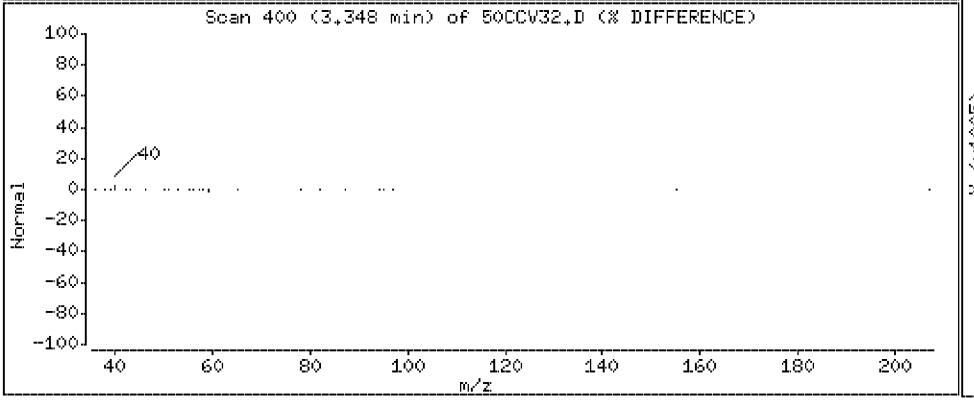
Column phase: DB-624 Column diameter: 0.18

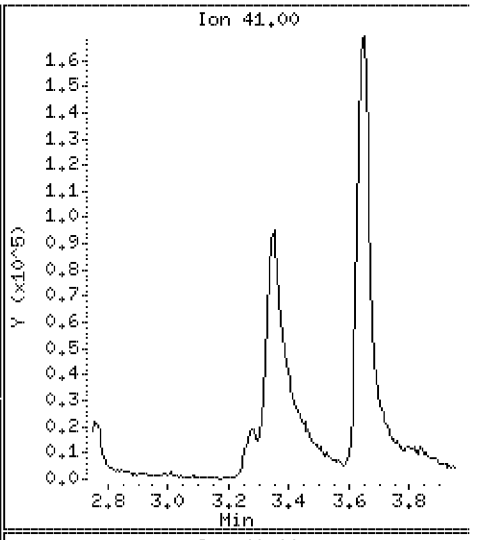
14 Acetonitrile Concentration: 522 ug/l

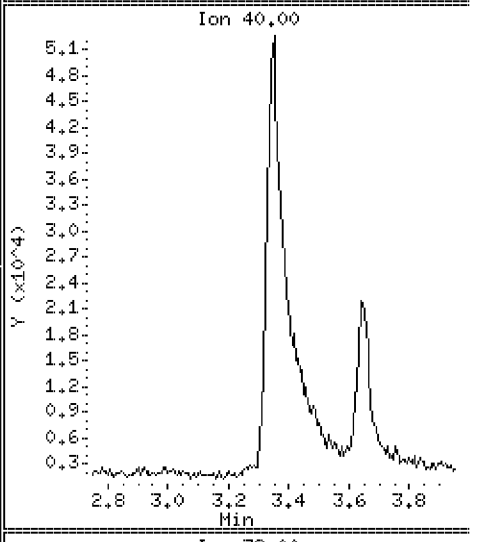


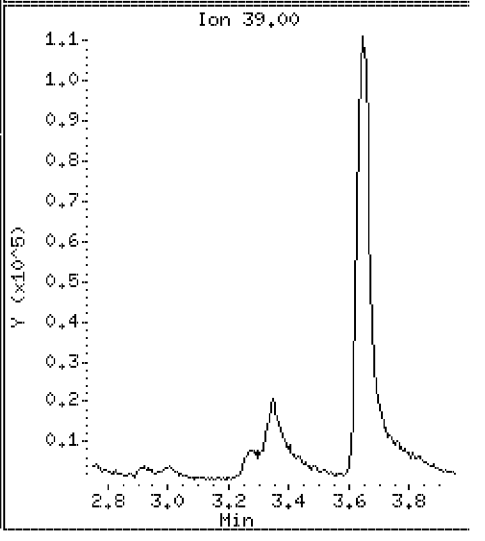












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

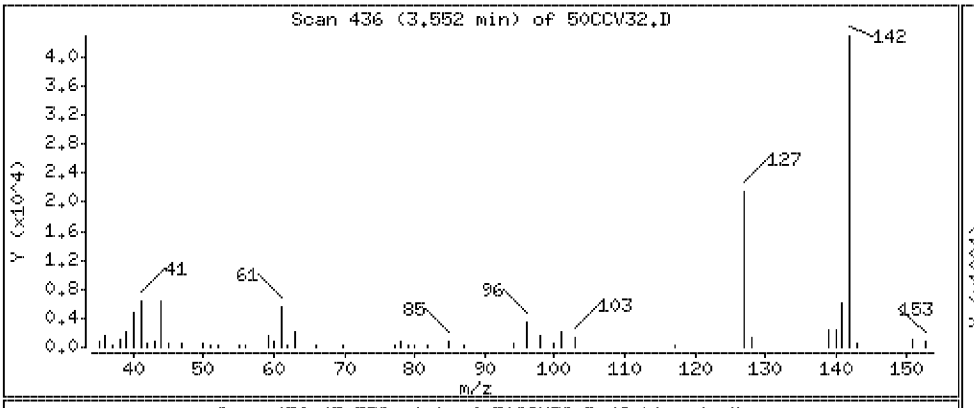
Client ID: 082107CCVA32 Instrument: vms03.i

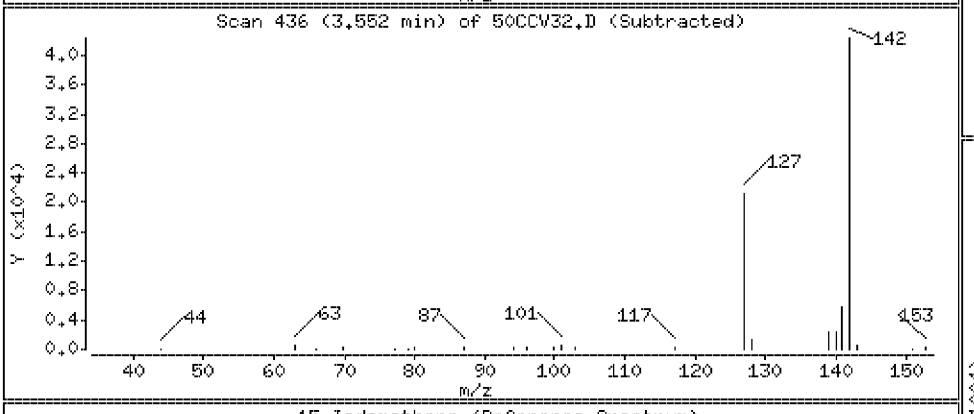
Sample Info: 082107CCVA32

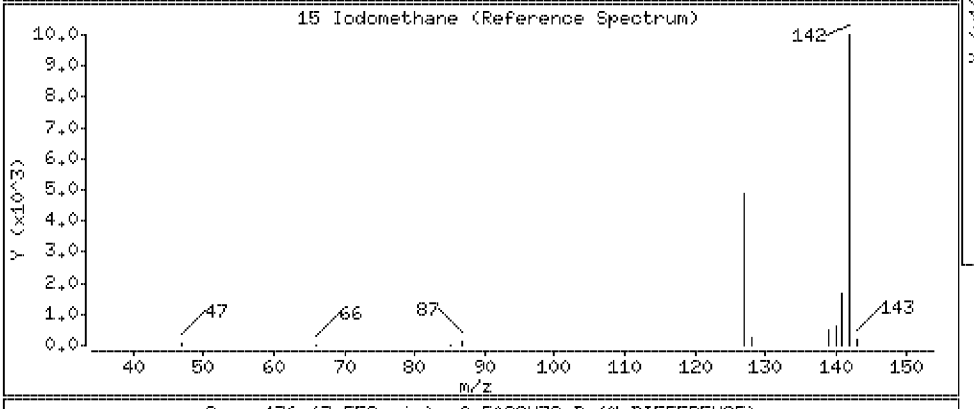
Purge Volume: 5.0 Operator:

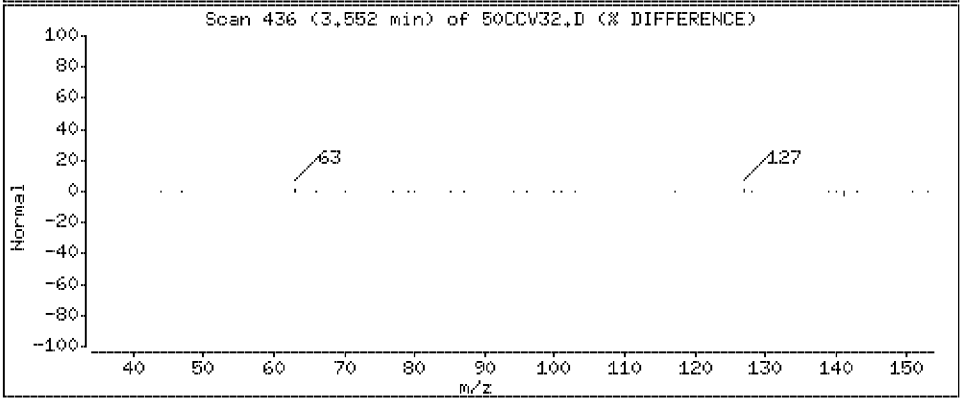
Column phase: DB-624 Column diameter: 0.18

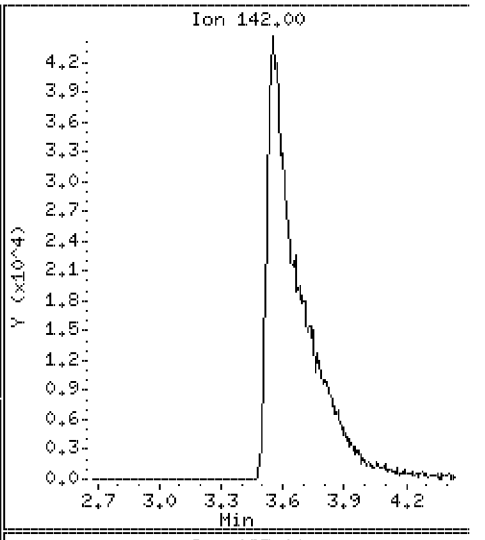
15 Iodomethane Concentration: 54.3 ug/l

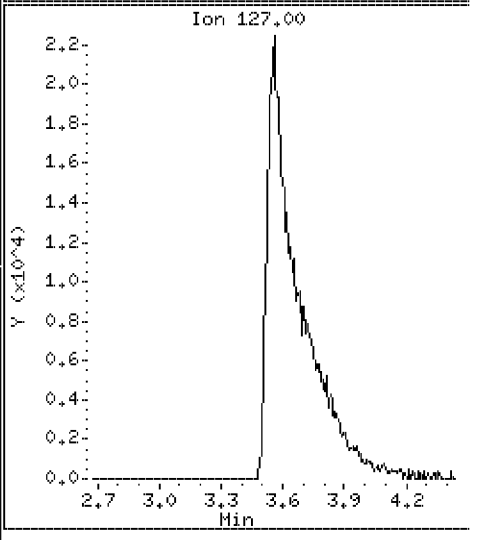












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

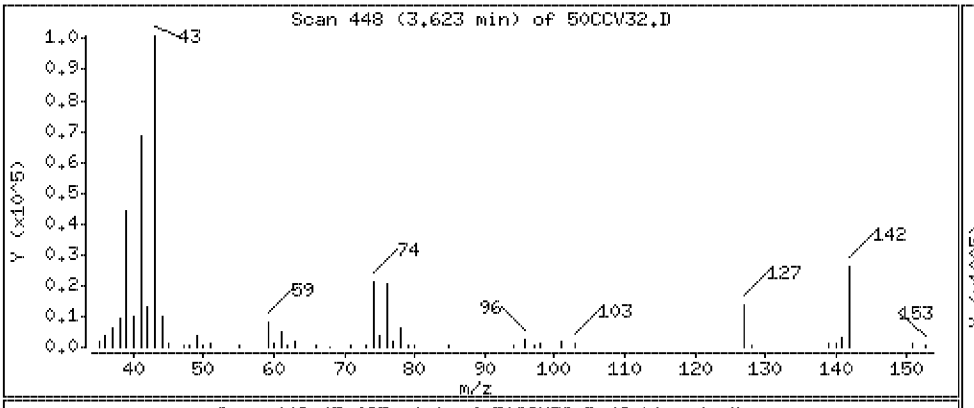
Client ID: 082107CCVA32 Instrument: vms03.i

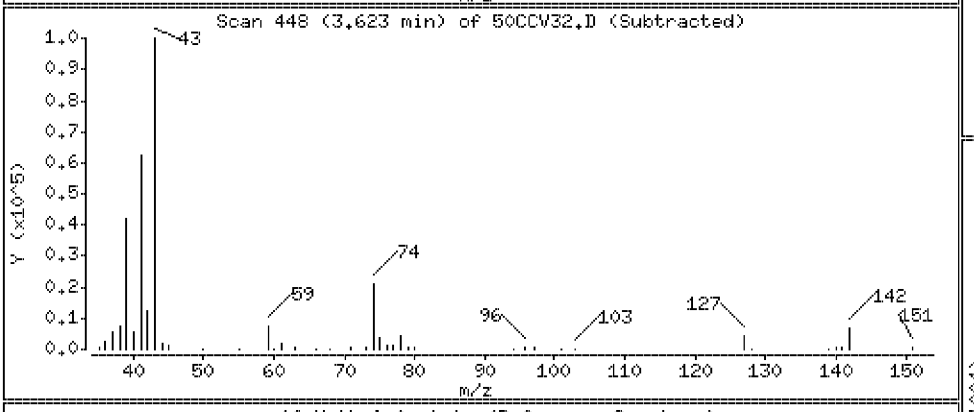
Sample Info: 082107CCVA32

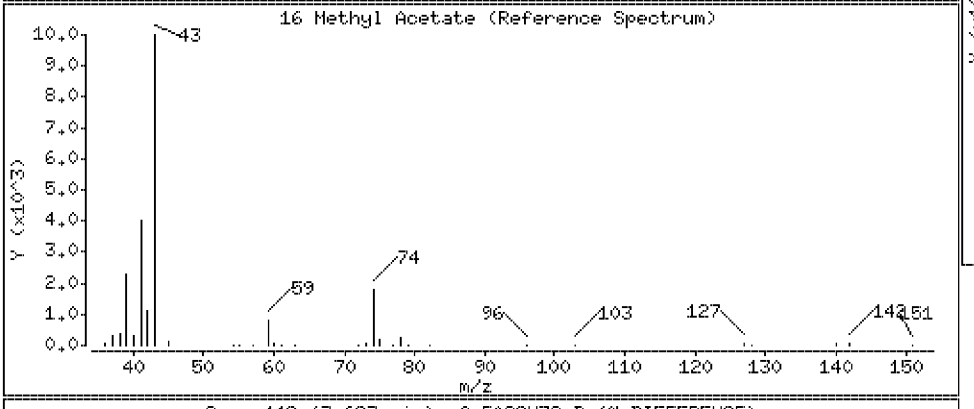
Purge Volume: 5.0 Operator:

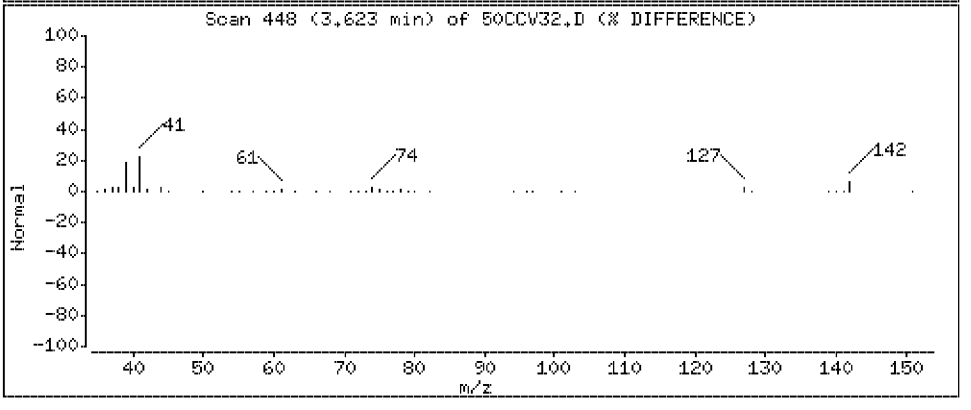
Column phase: DB-624 Column diameter: 0.18

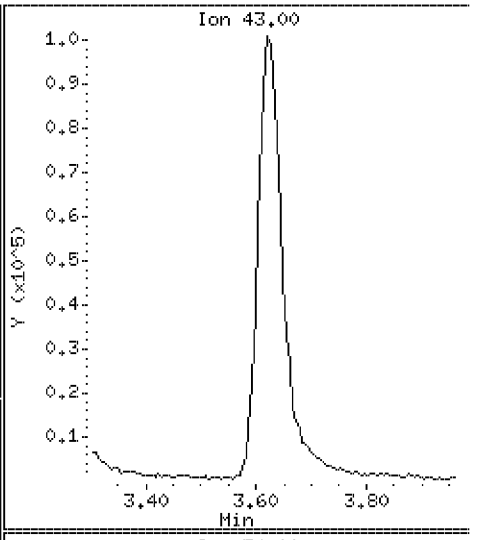
16 Methyl Acetate Concentration: 44.6 ug/l

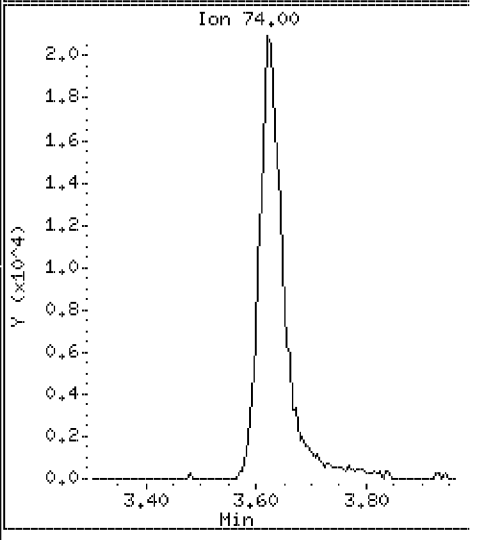












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

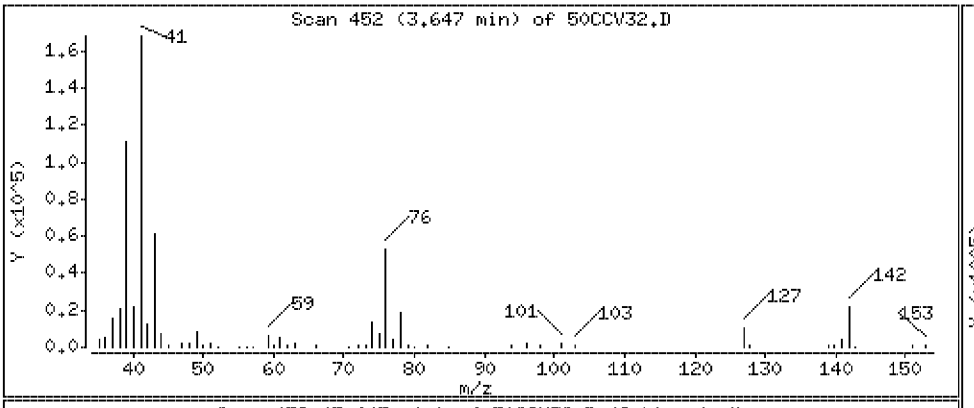
Client ID: 082107CCVA32 Instrument: vms03.i

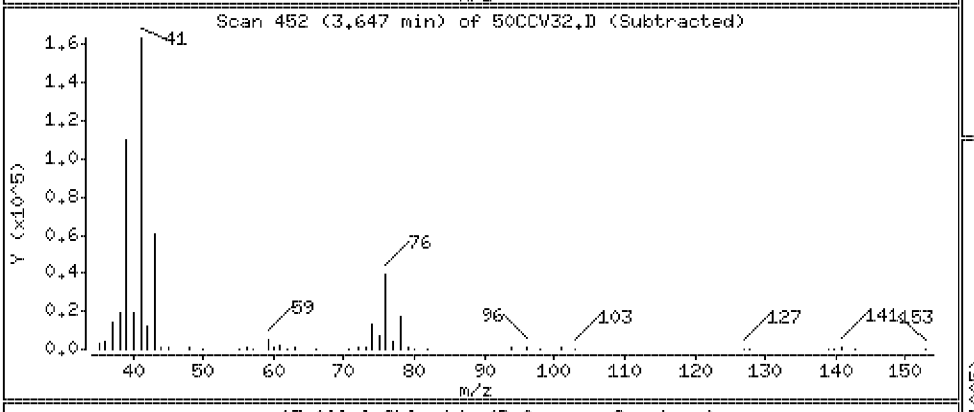
Sample Info: 082107CCVA32

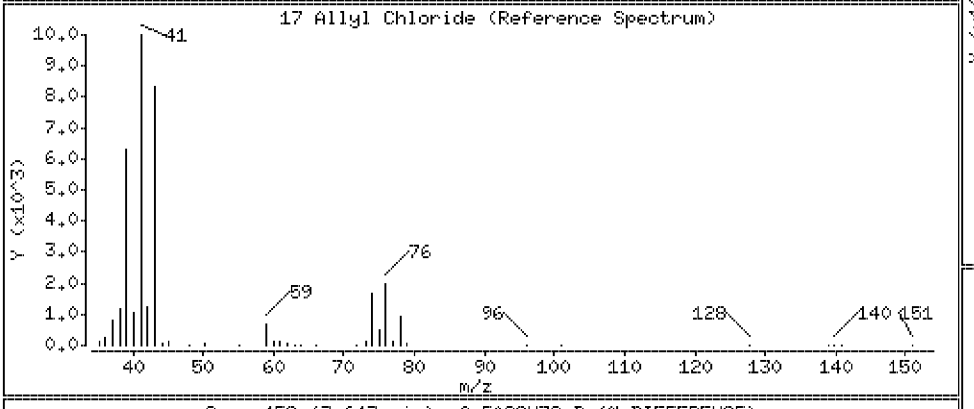
Purge Volume: 5.0 Operator:

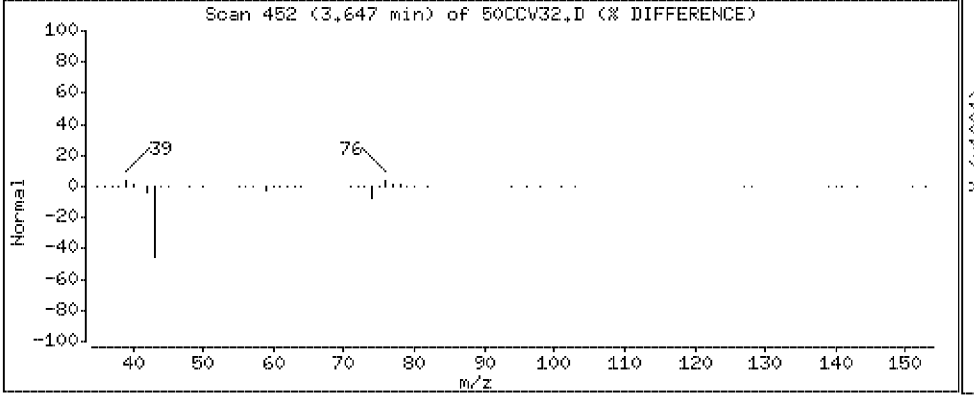
Column phase: DB-624 Column diameter: 0.18

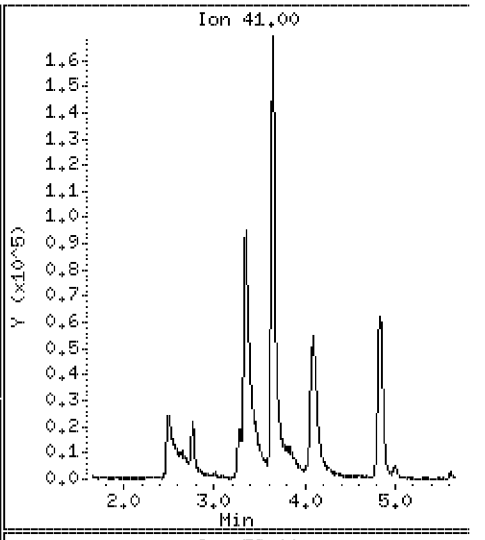
17 Allyl Chloride Concentration: 49.5 ug/l

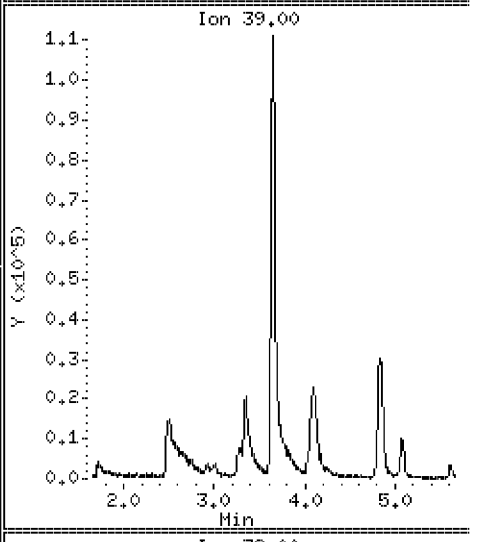


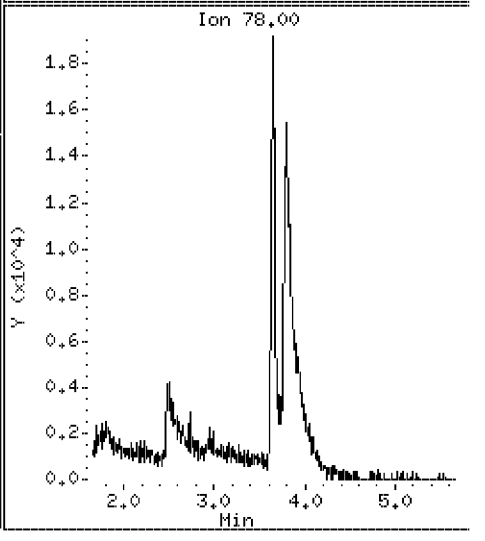












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

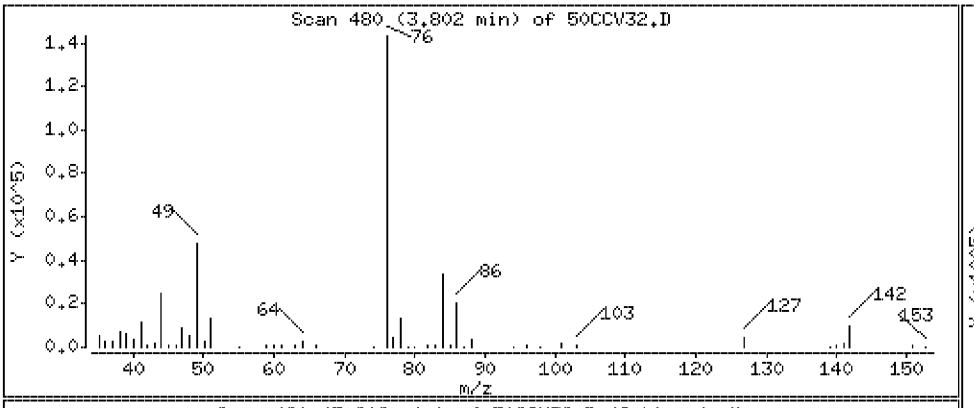
Client ID: 082107CCVA32 Instrument: vms03.i

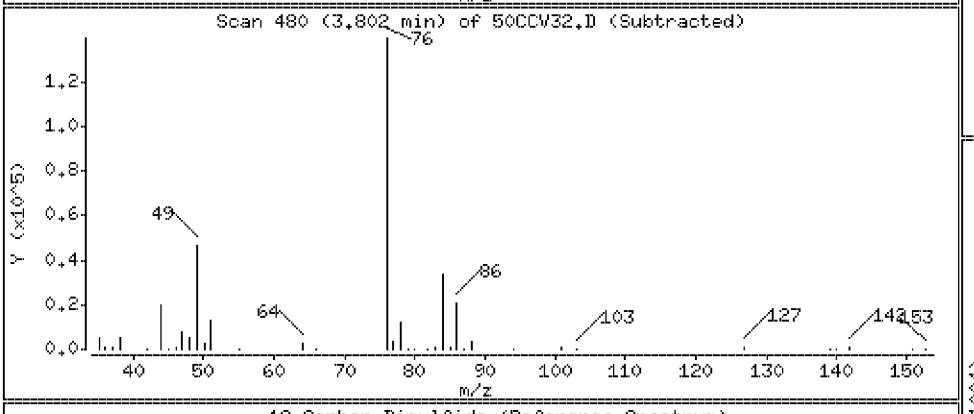
Sample Info: 082107CCVA32

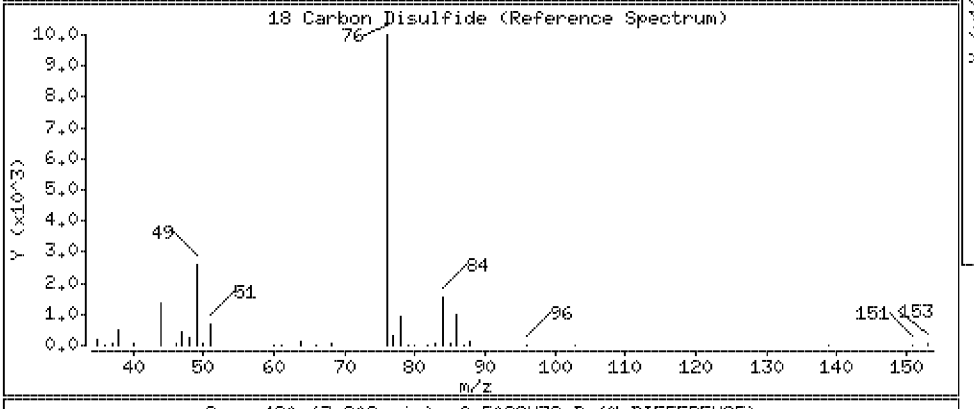
Purge Volume: 5.0 Operator:

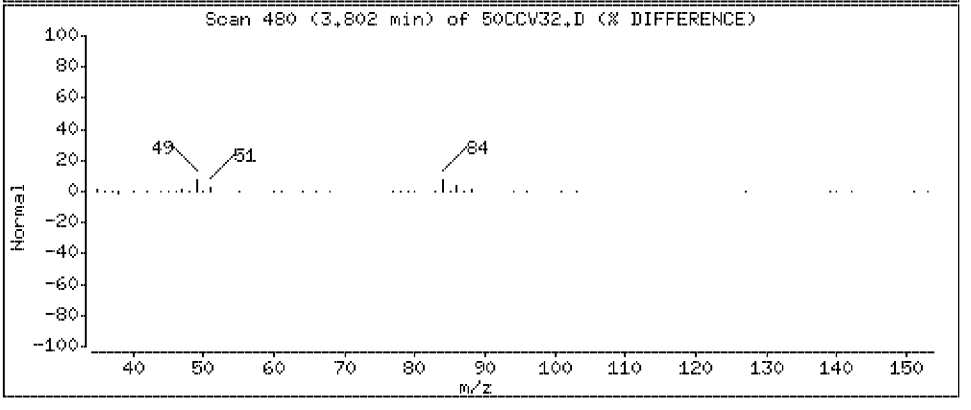
Column phase: DB-624 Column diameter: 0.18

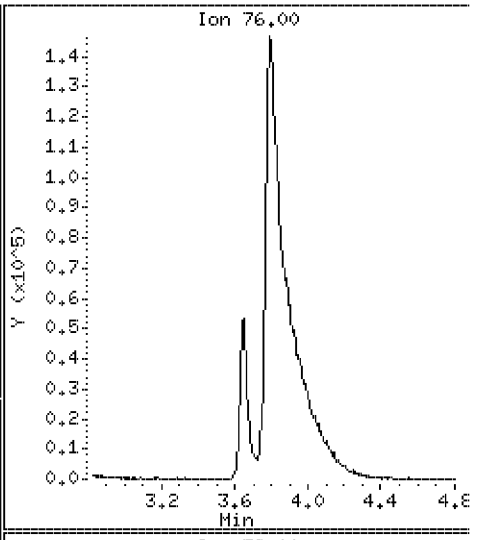
18 Carbon Disulfide Concentration: 40.7 ug/l

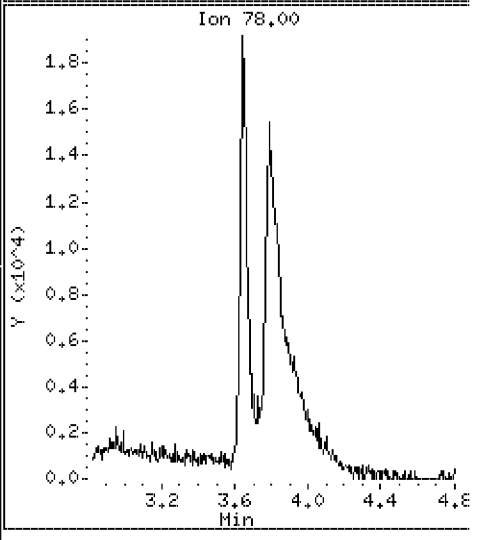












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

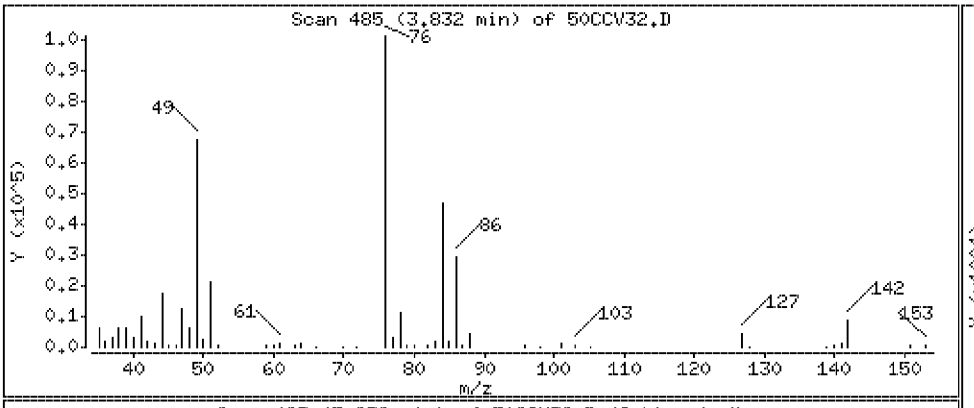
Client ID: 082107CCVA32 Instrument: vms03.i

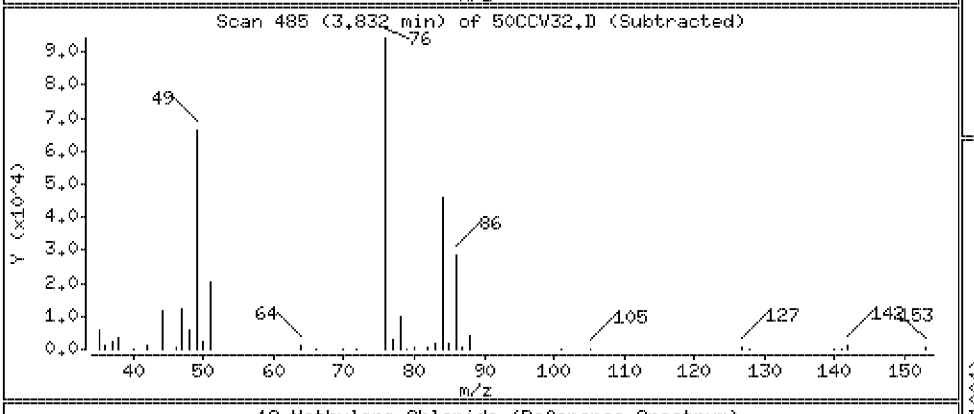
Sample Info: 082107CCVA32

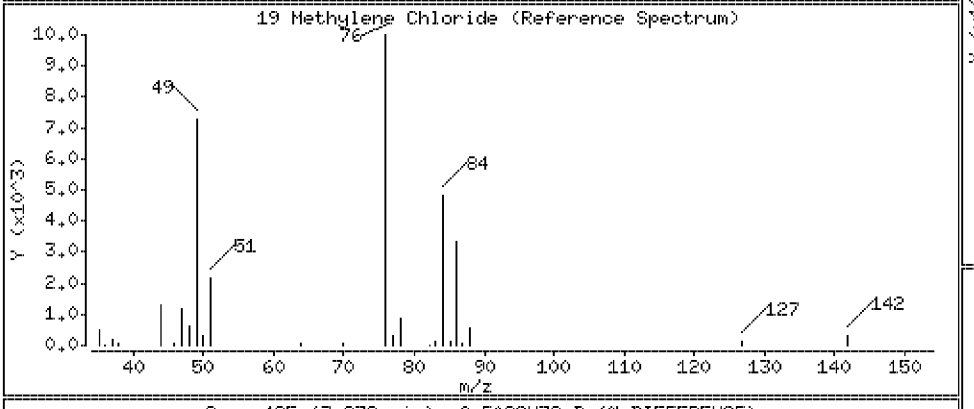
Purge Volume: 5.0 Operator:

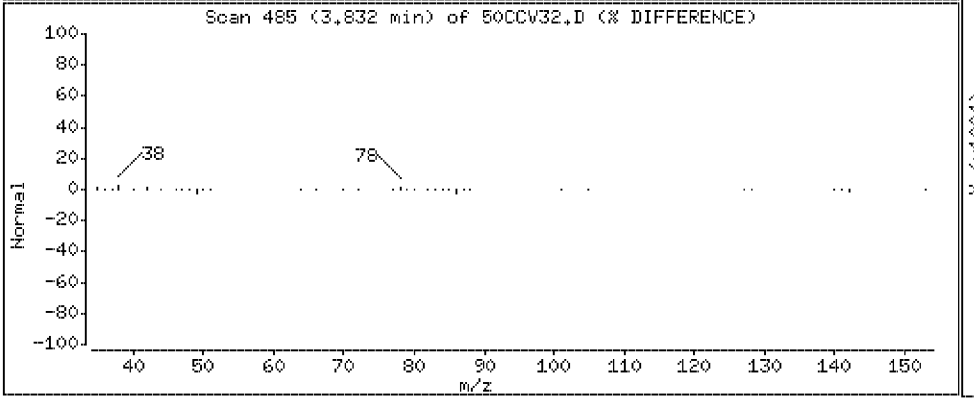
Column phase: DB-624 Column diameter: 0.18

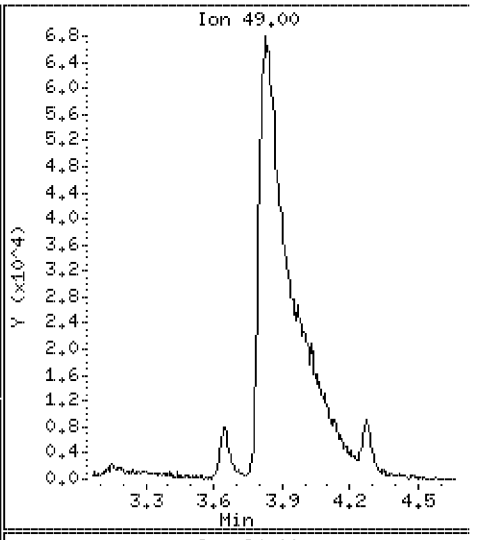
19 Methylene Chloride Concentration: 44.6 ug/l

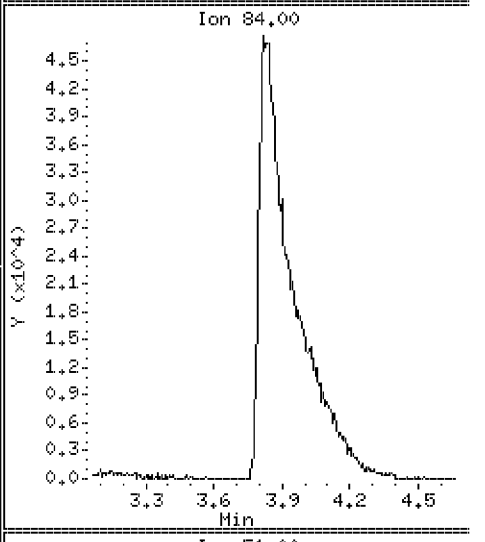


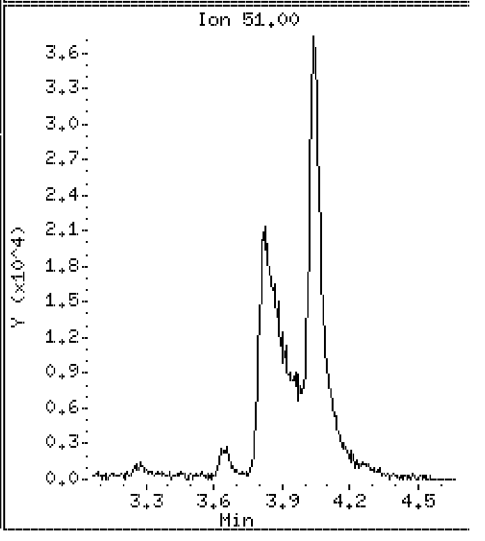












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

Client ID: 082107CCVA32

Instrument: vms03.i

Sample Info: 082107CCVA32

Purge Volume: 5.0

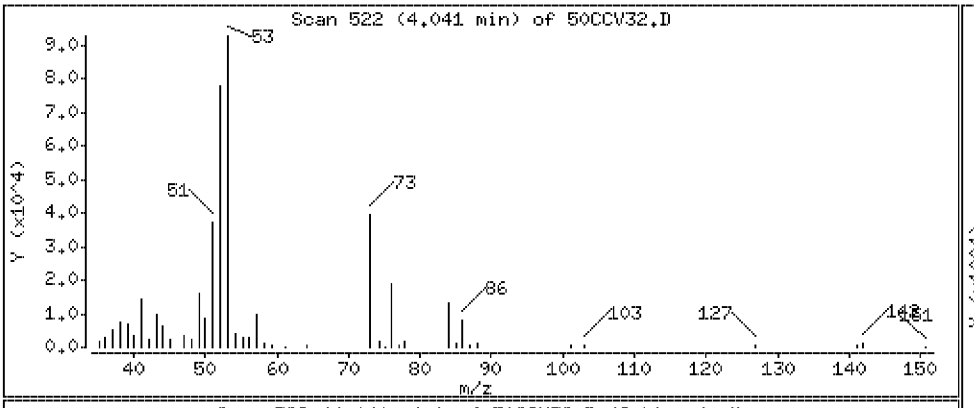
Operator:

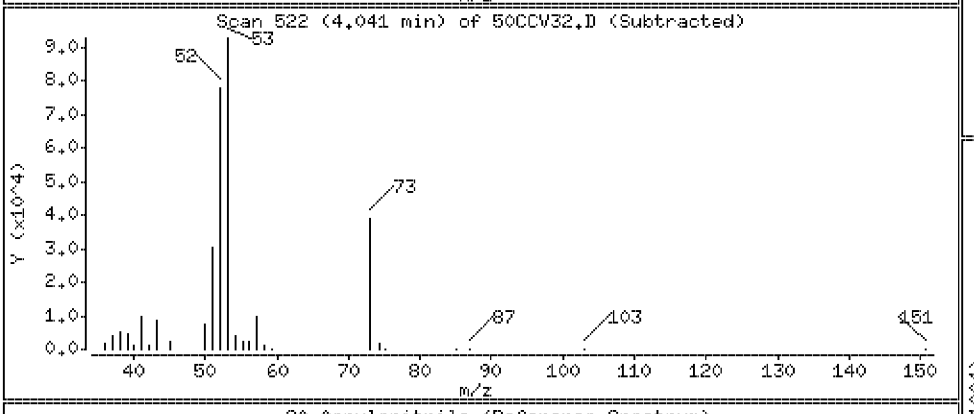
Column phase: DB-624

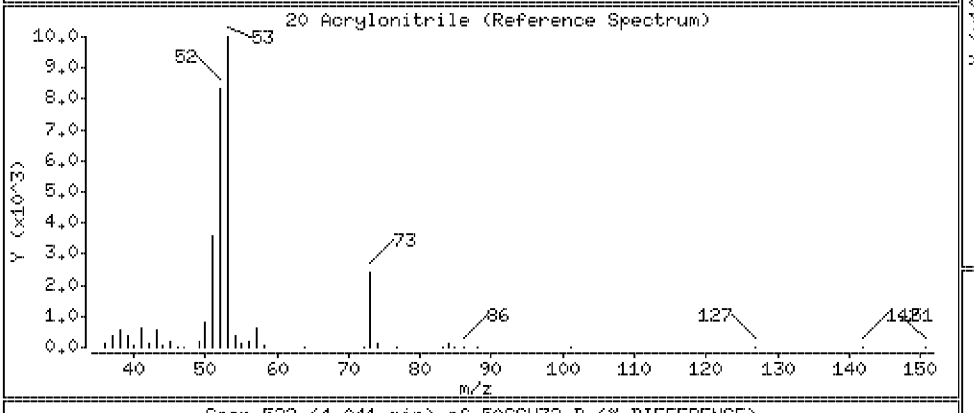
Column diameter: 0.18

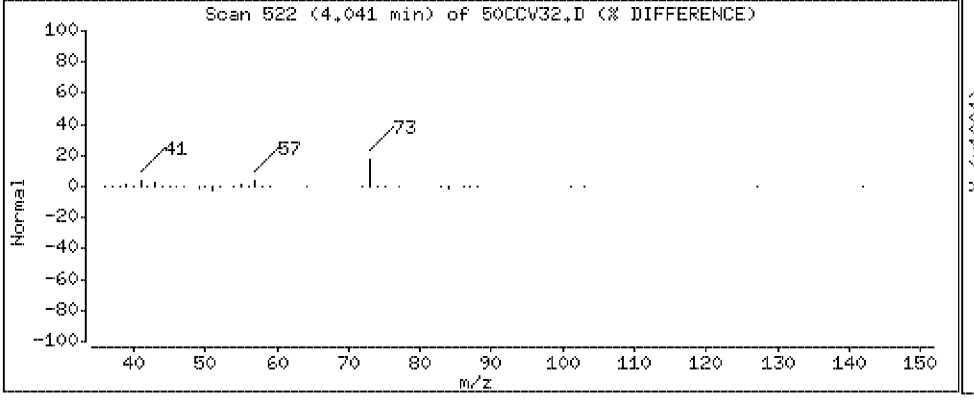
20 Acrylonitrile

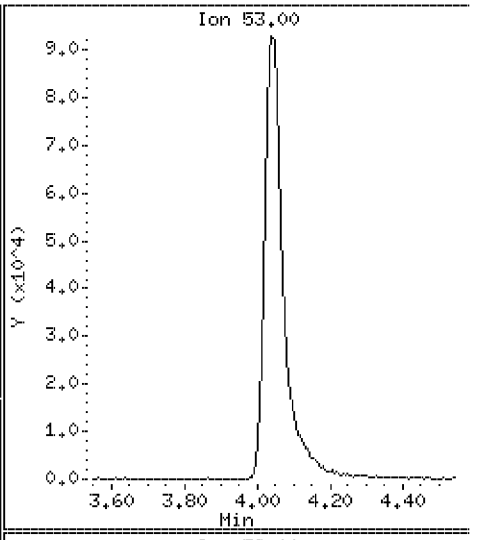
Concentration: 97.6 ug/l

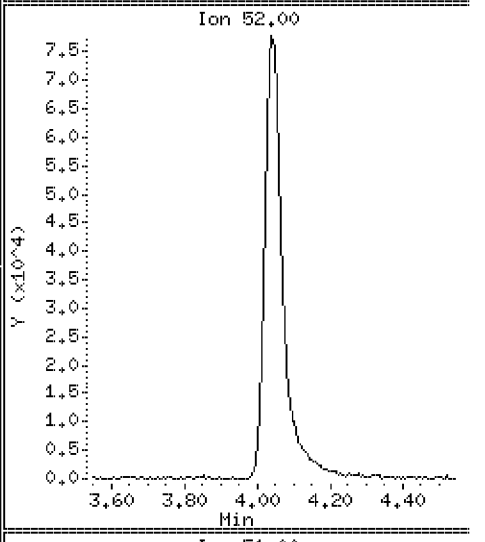


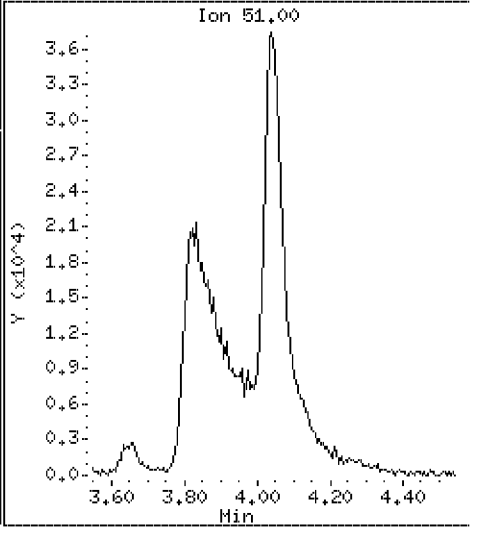












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

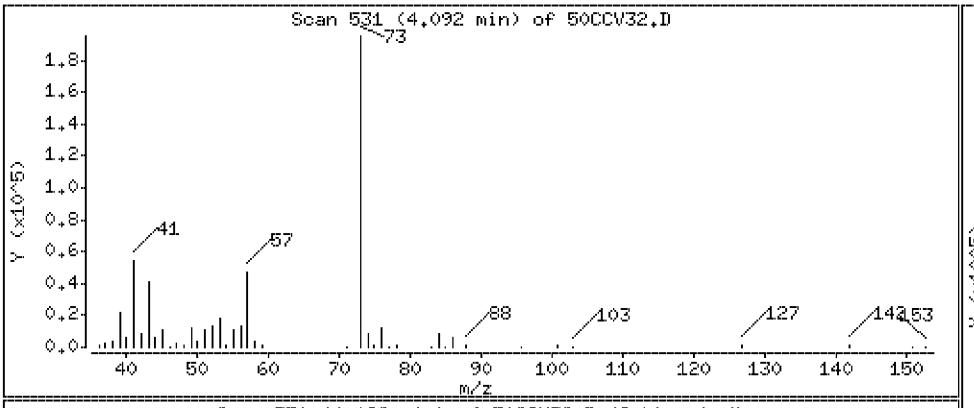
Client ID: 082107CCVA32 Instrument: vms03.i

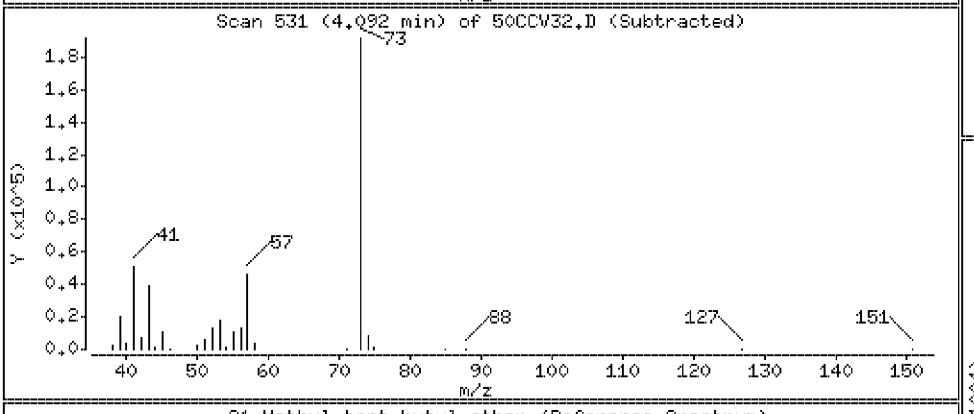
Sample Info: 082107CCVA32

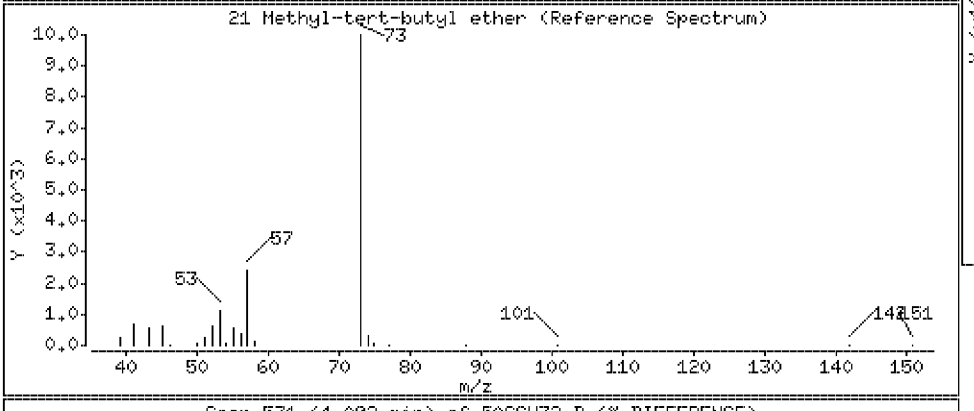
Purge Volume: 5.0 Operator:

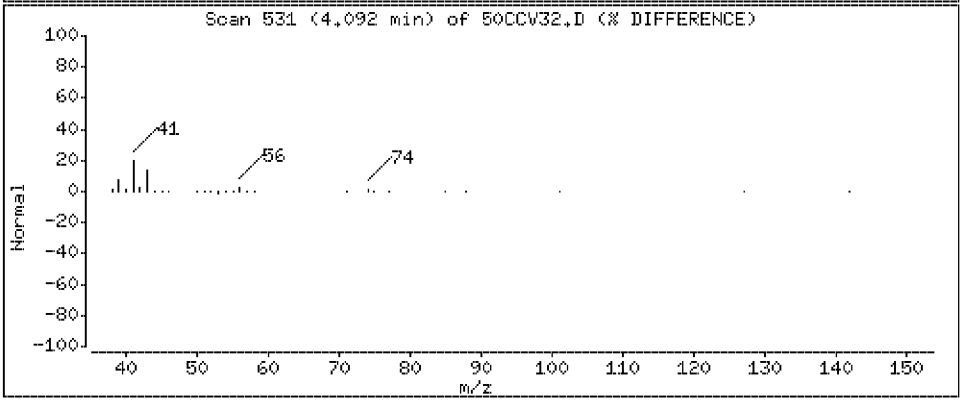
Column phase: DB-624 Column diameter: 0.18

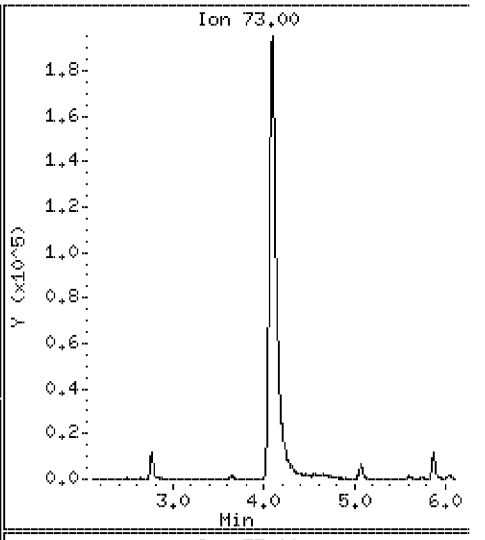
21 Methyl-tert-butyl ether Concentration: 58.4 ug/l

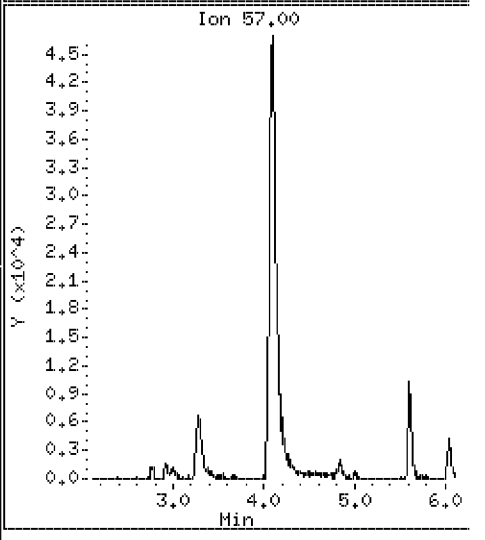












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

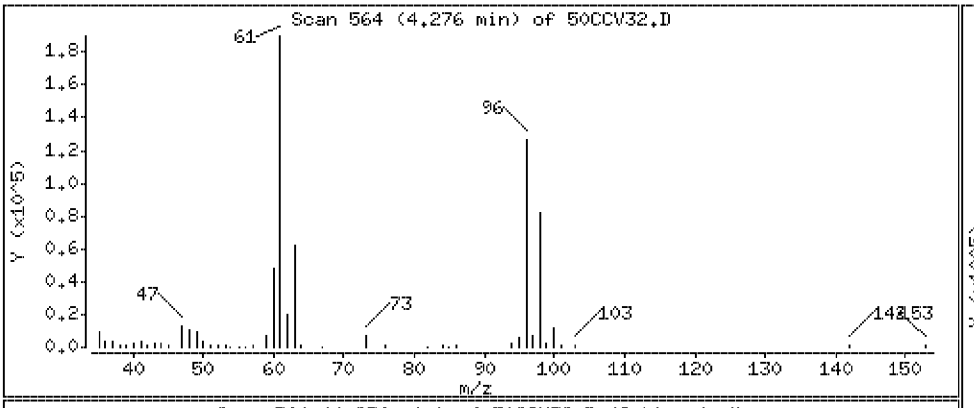
Client ID: 082107CCVA32 Instrument: vms03.i

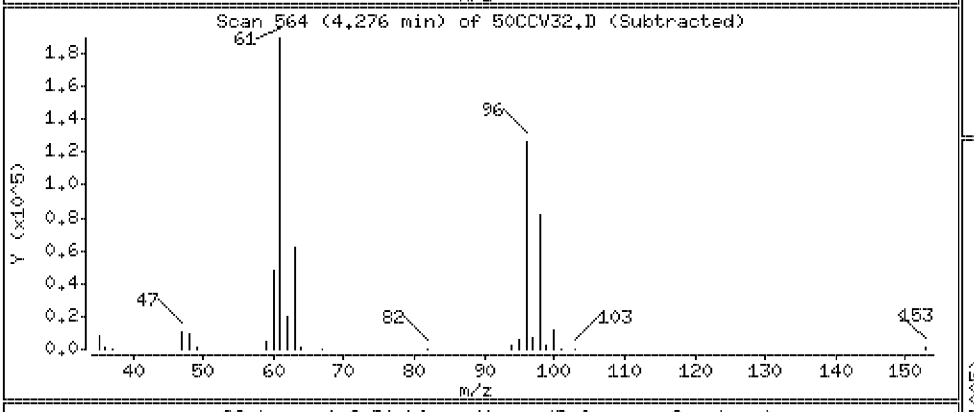
Sample Info: 082107CCVA32

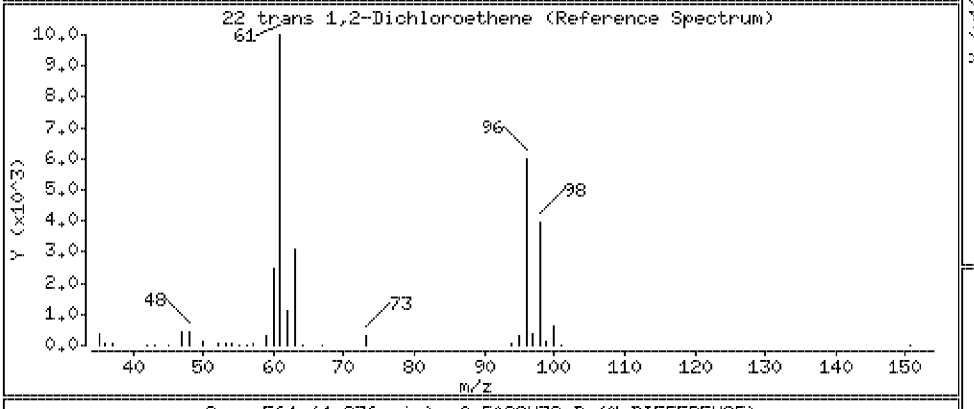
Purge Volume: 5.0 Operator:

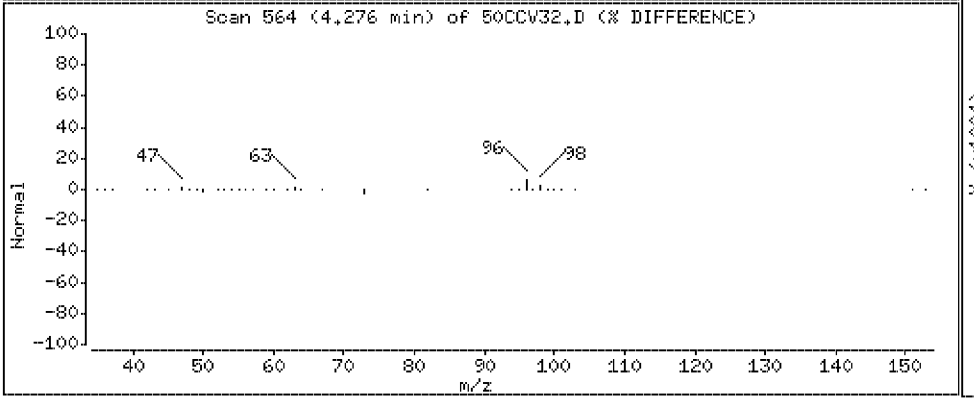
Column phase: DB-624 Column diameter: 0.18

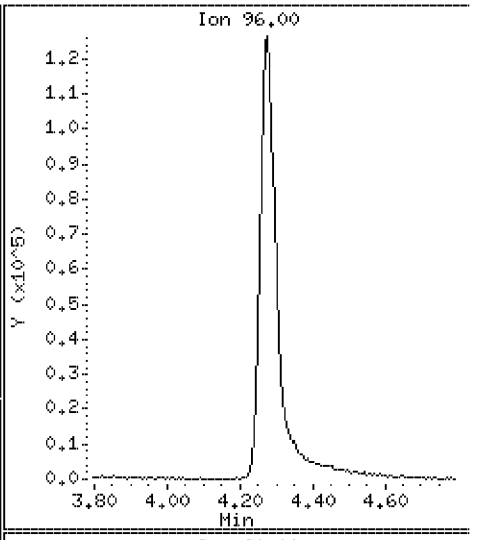
22 trans 1,2-Dichloroethene Concentration: 49.2 ug/l

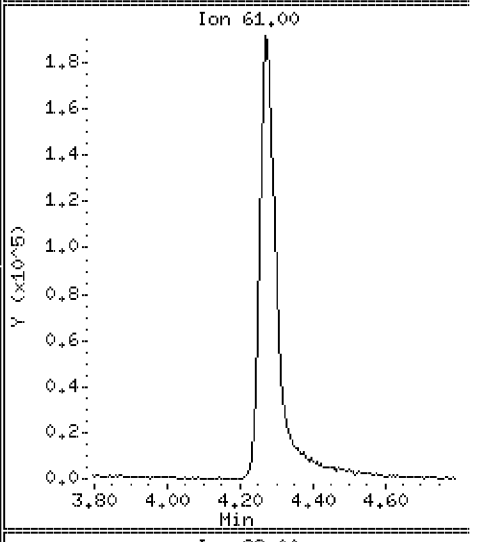


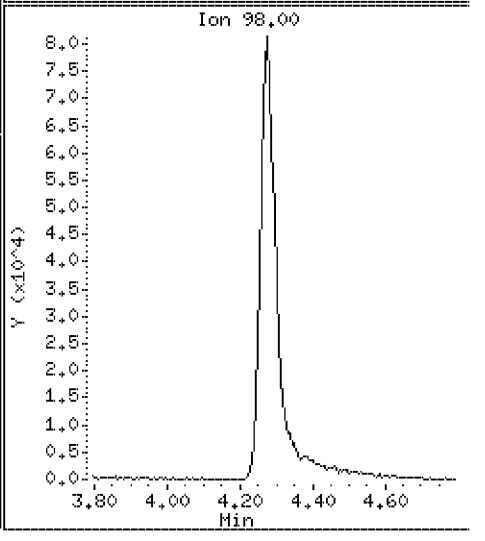












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

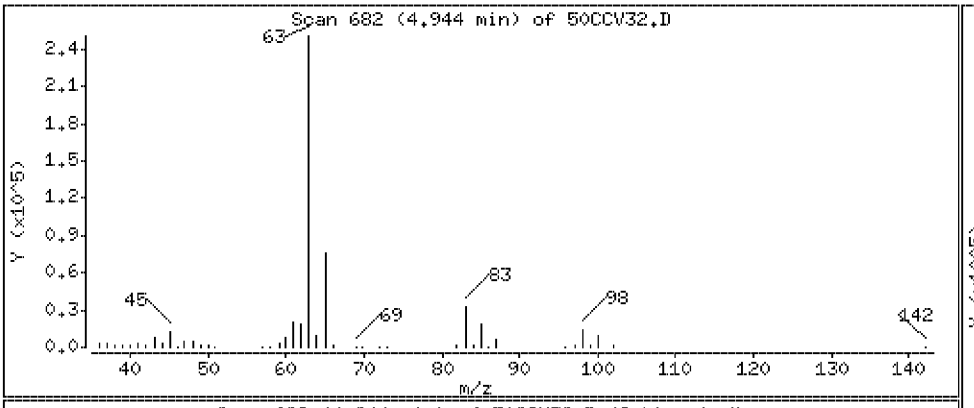
Client ID: 082107CCVA32 Instrument: vms03.i

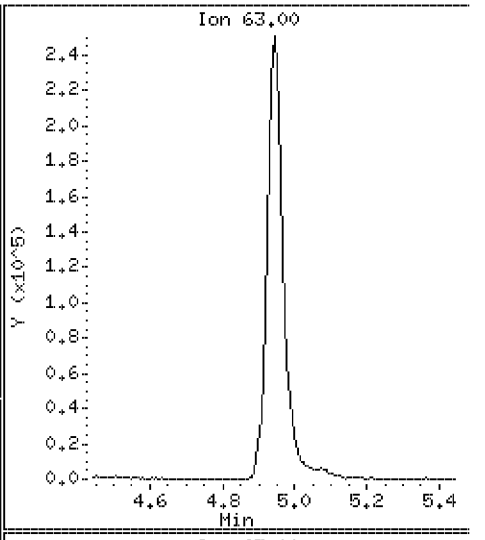
Sample Info: 082107CCVA32

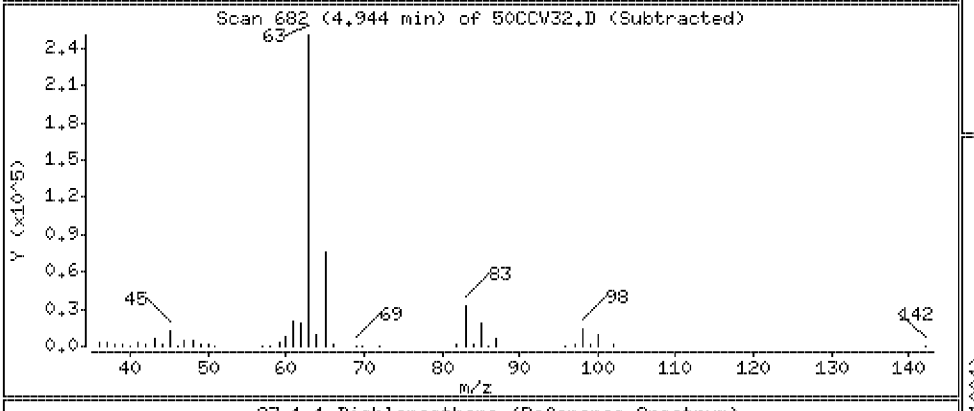
Purge Volume: 5.0 Operator:

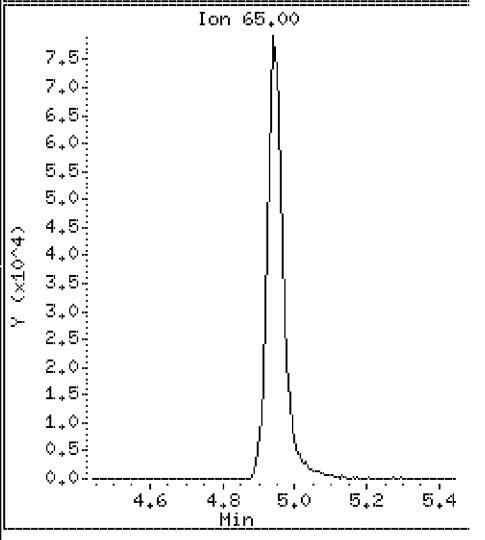
Column phase: DB-624 Column diameter: 0.18

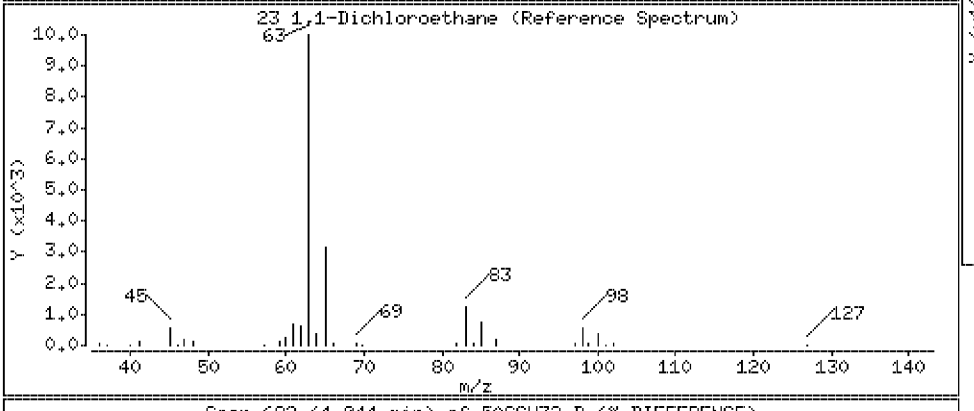
23 1,1-Dichloroethane Concentration: 51.1 ug/l

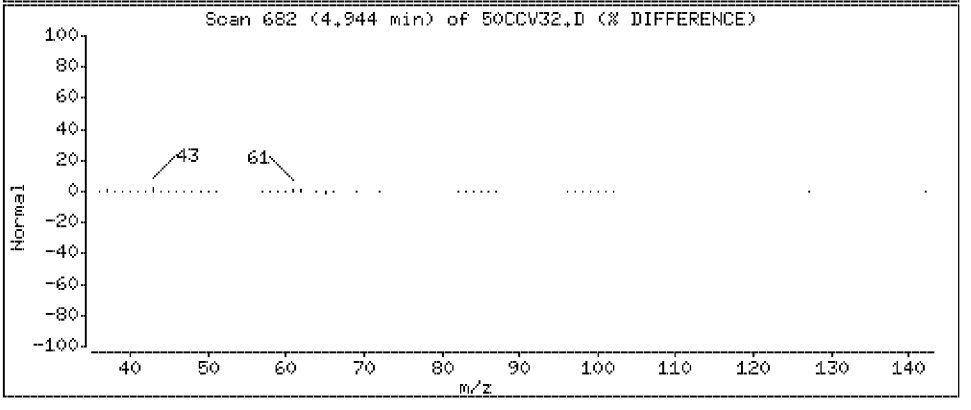












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

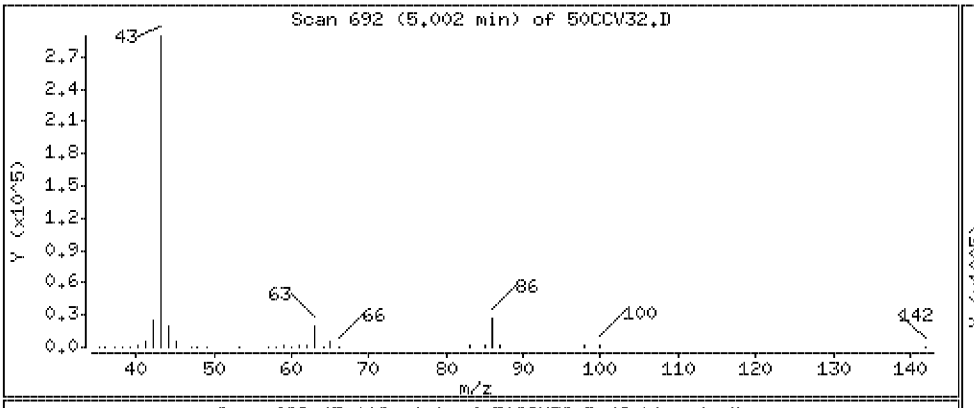
Client ID: 082107CCVA32 Instrument: vms03.i

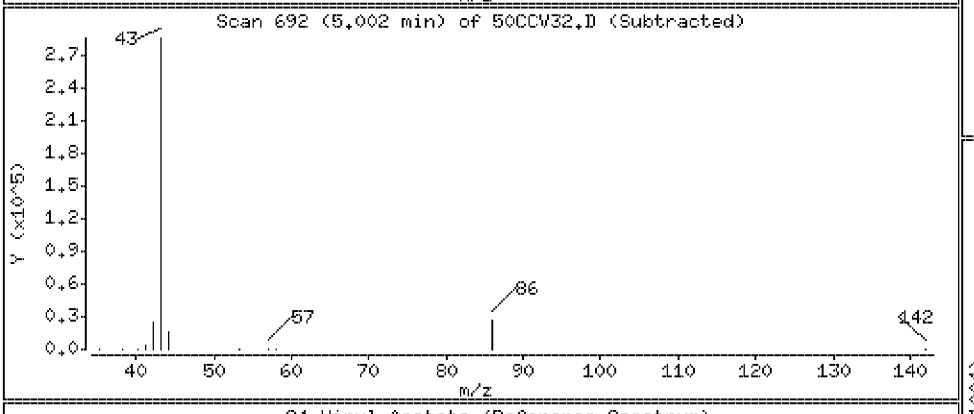
Sample Info: 082107CCVA32

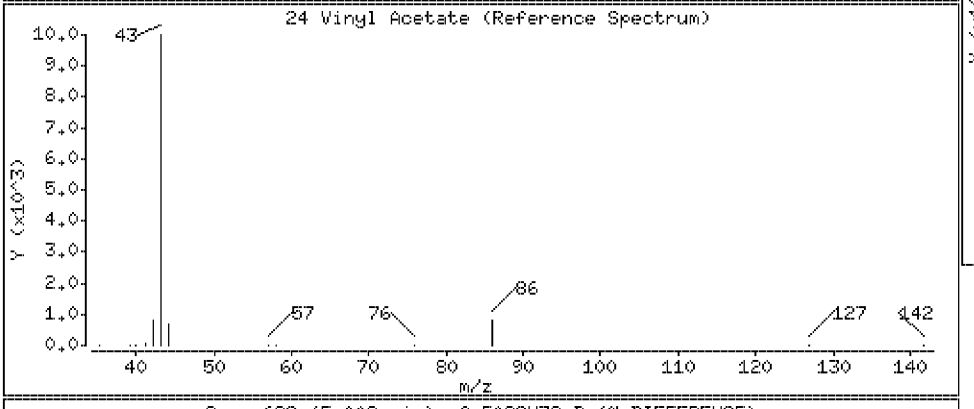
Purge Volume: 5.0 Operator:

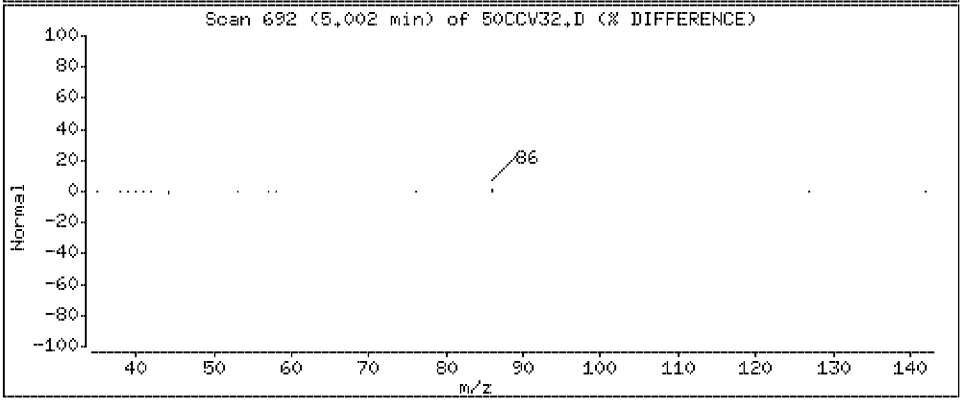
Column phase: DB-624 Column diameter: 0.18

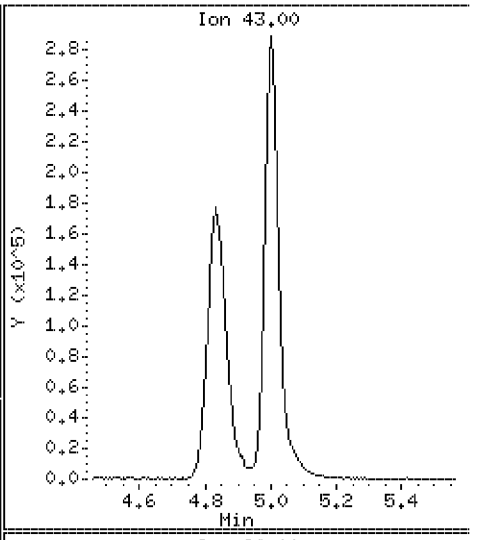
24 Vinyl Acetate Concentration: 47.7 ug/l

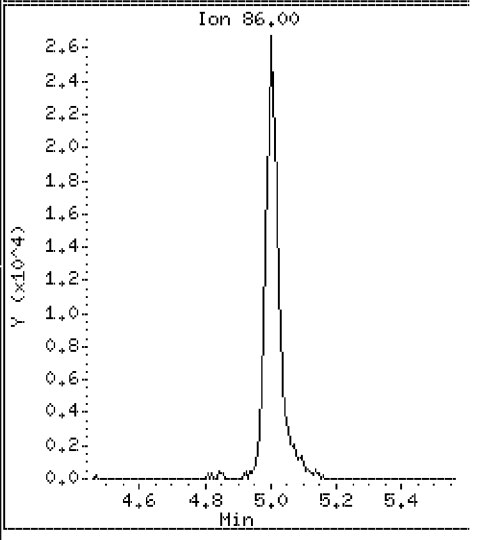












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

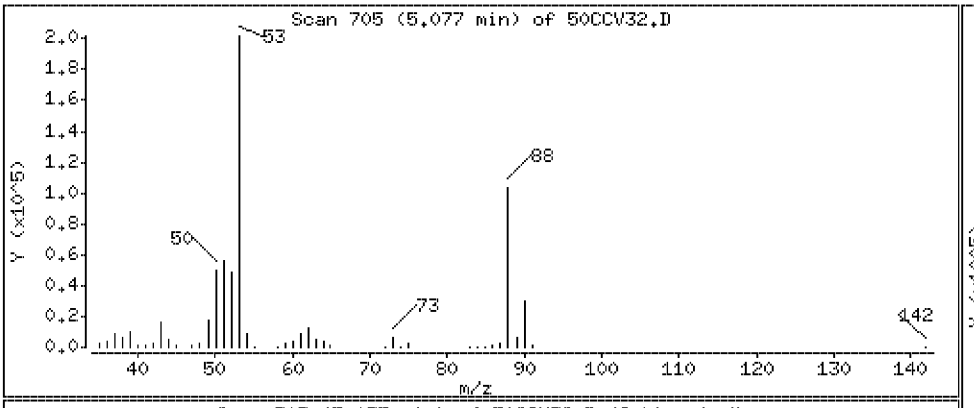
Client ID: 082107CCVA32 Instrument: vms03.i

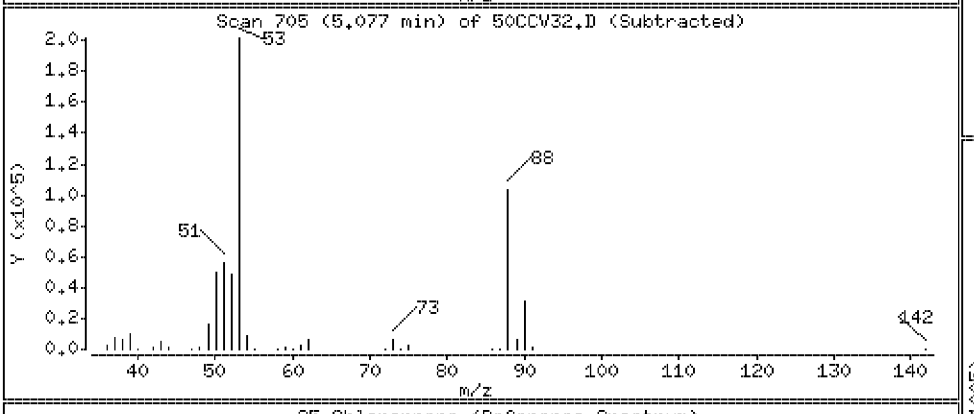
Sample Info: 082107CCVA32

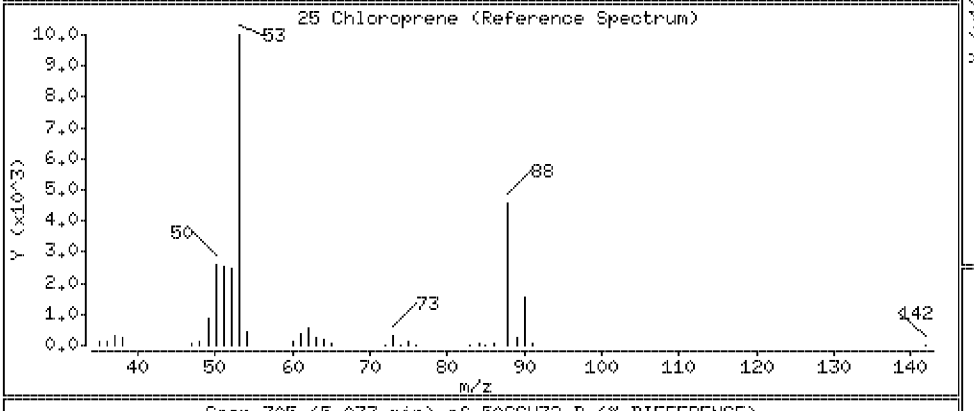
Purge Volume: 5.0 Operator:

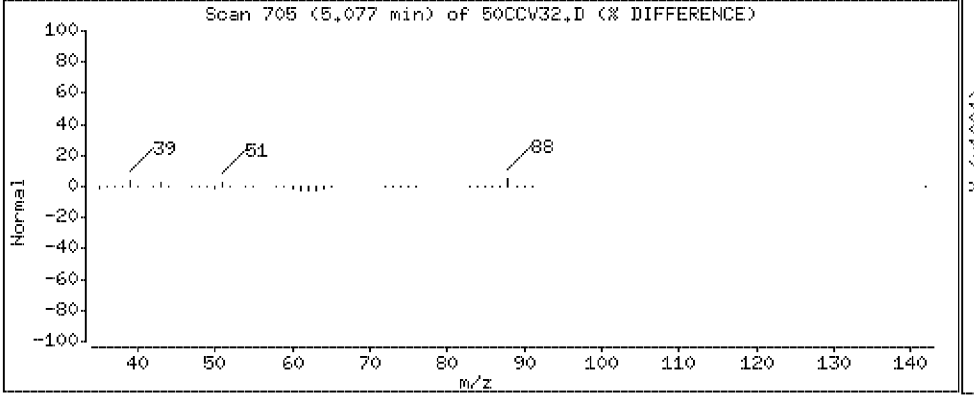
Column phase: DB-624 Column diameter: 0.18

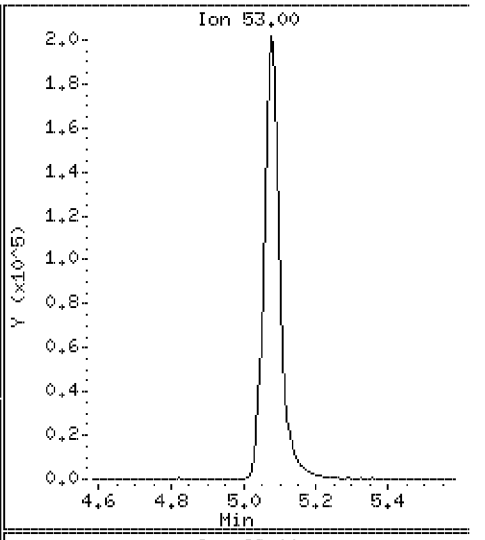
25 Chloroprene Concentration: 46.4 ug/l

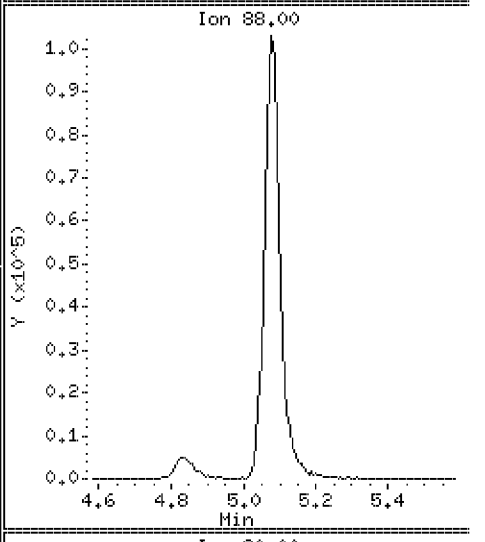


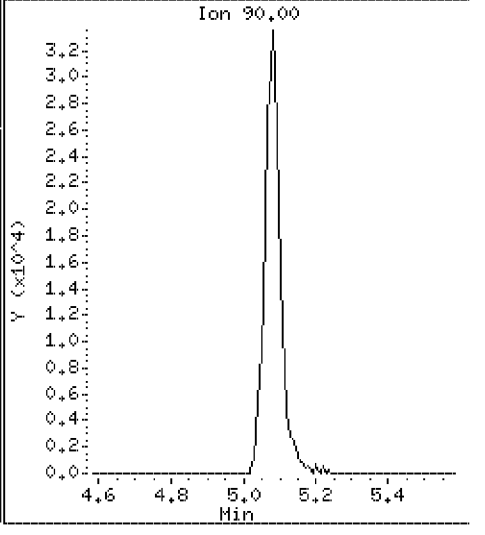












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

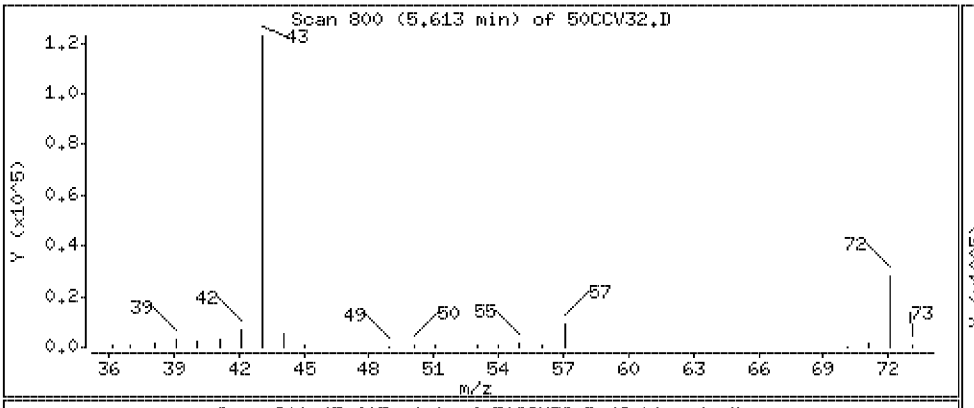
Client ID: 082107CCVA32 Instrument: vms03.i

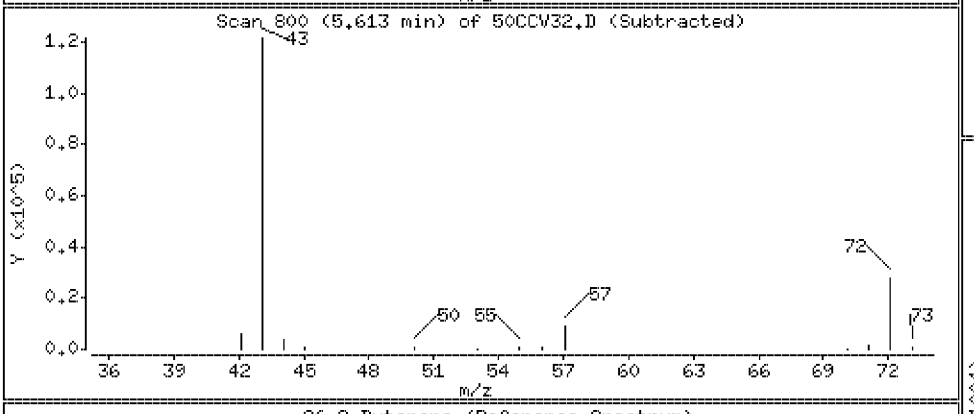
Sample Info: 082107CCVA32

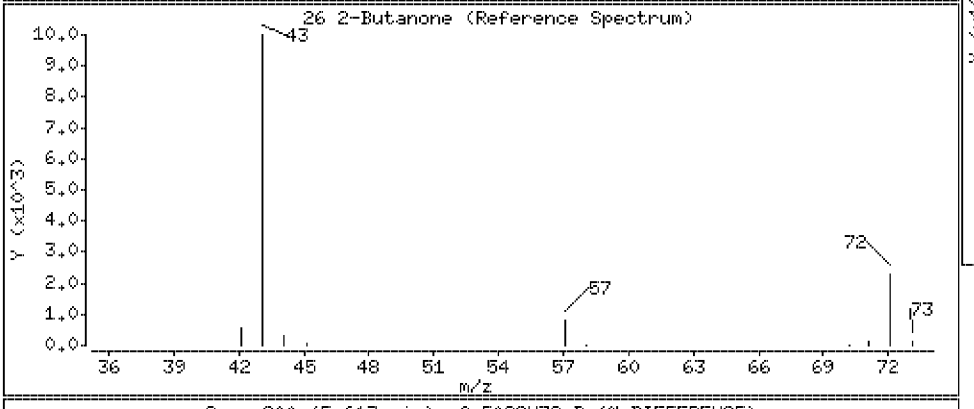
Purge Volume: 5.0 Operator:

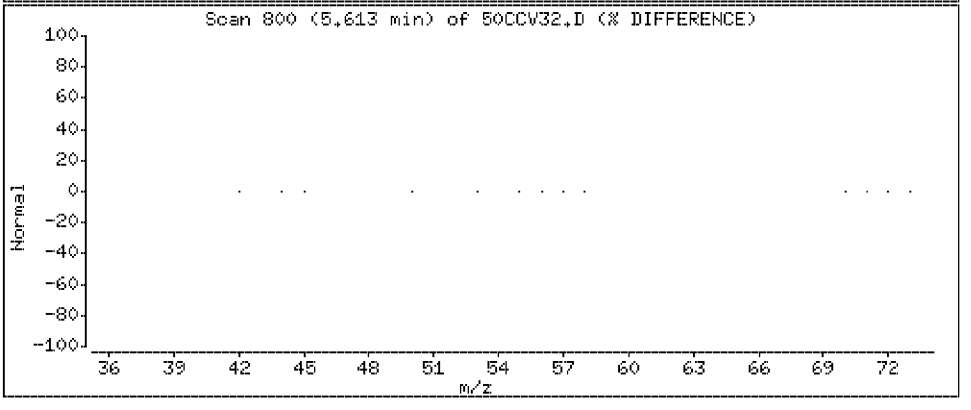
Column phase: DB-624 Column diameter: 0.18

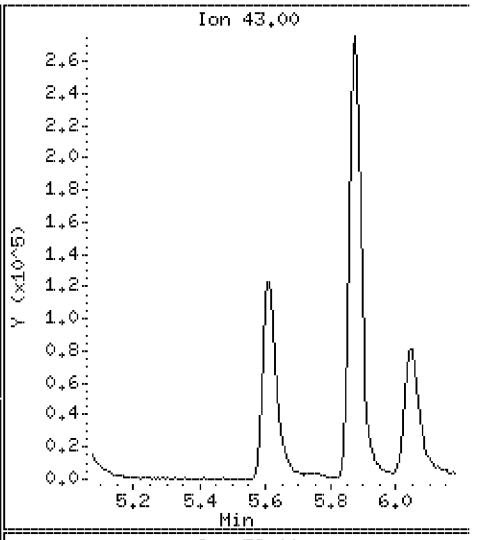
26 2-Butanone Concentration: 80.2 ug/l

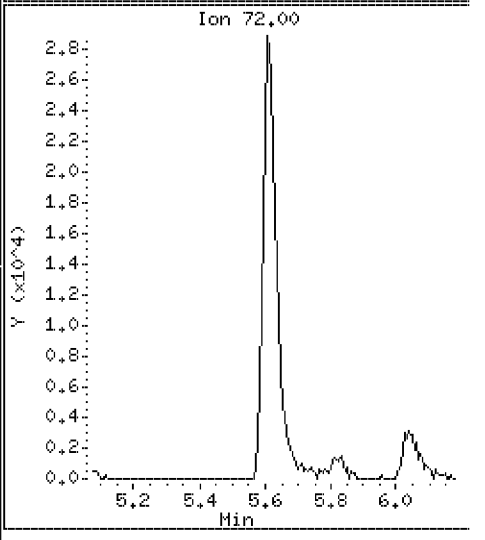












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

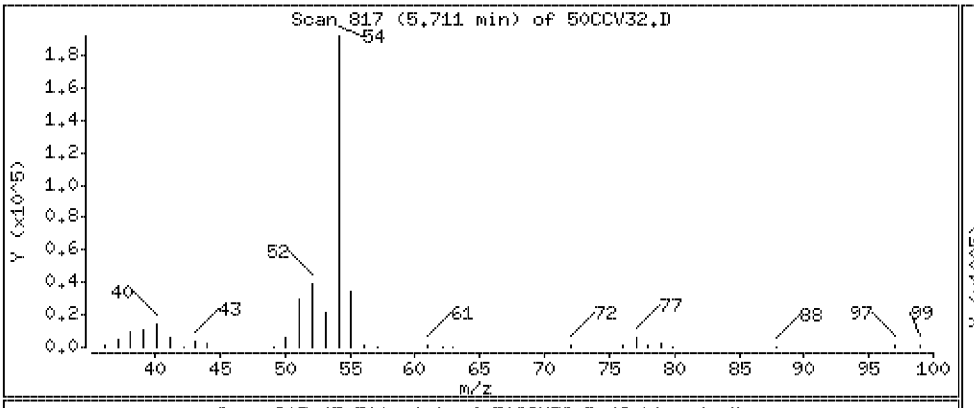
Client ID: 082107CCVA32 Instrument: vms03.i

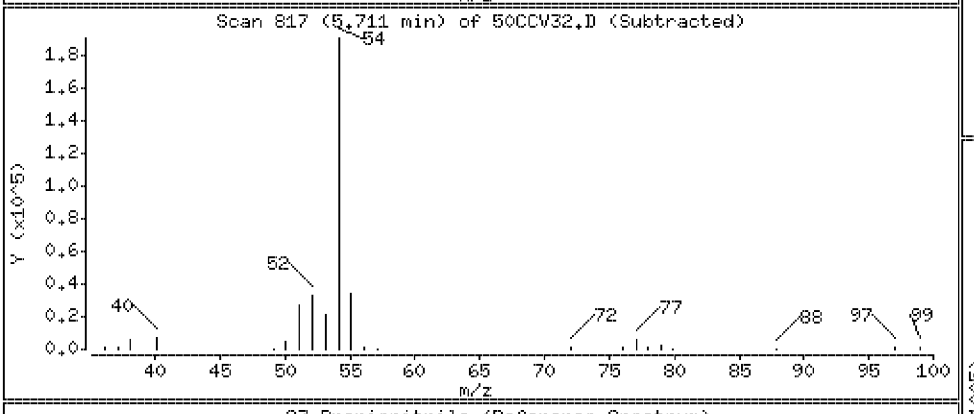
Sample Info: 082107CCVA32

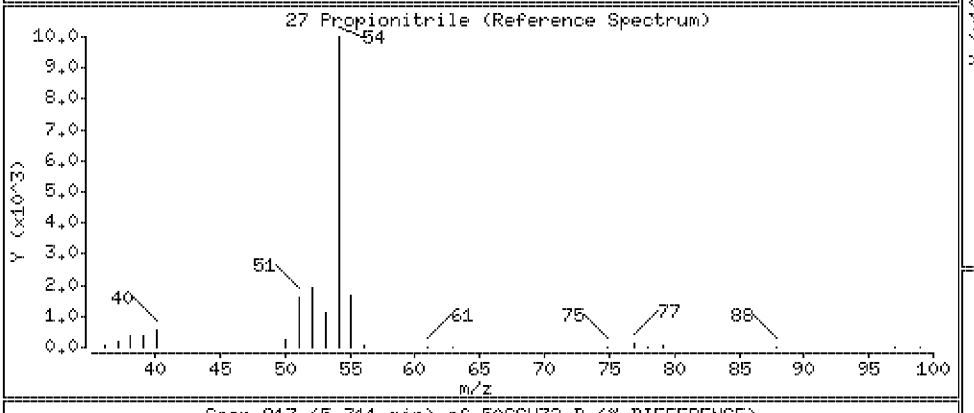
Purge Volume: 5.0 Operator:

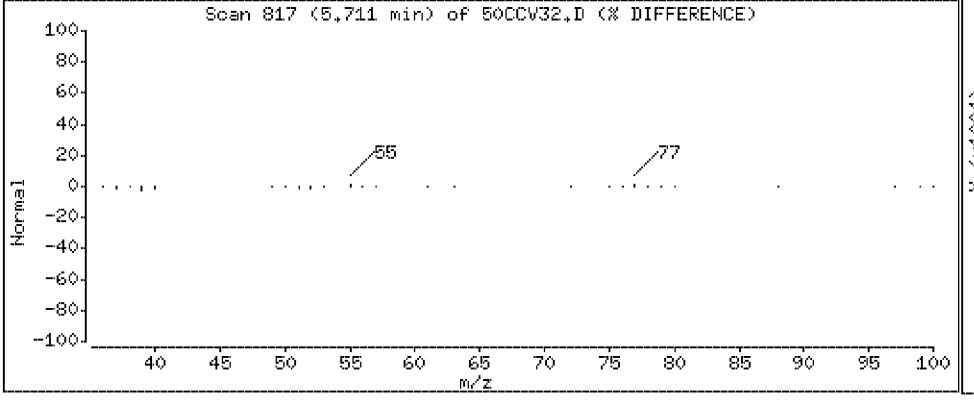
Column phase: DB-624 Column diameter: 0.18

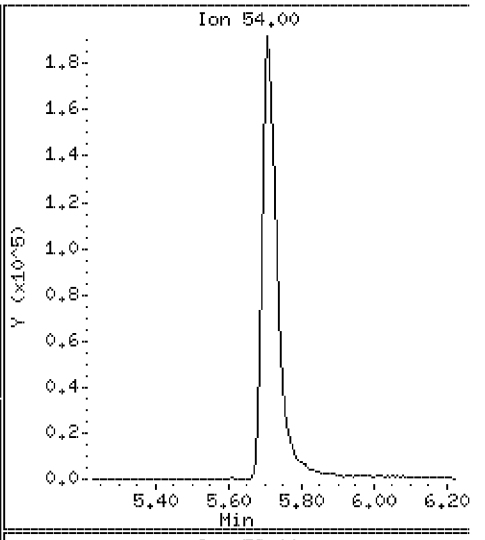
27 Propionitrile Concentration: 407 ug/l

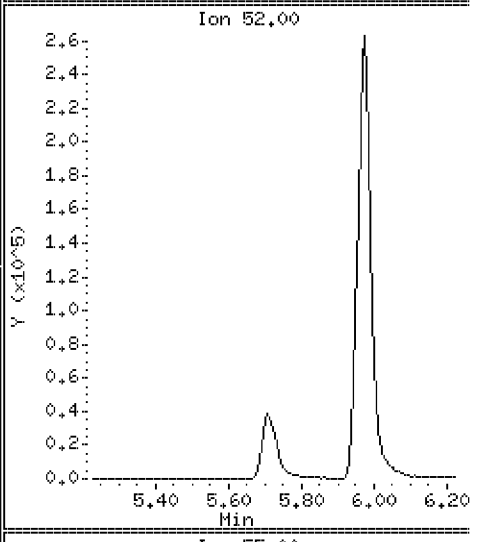


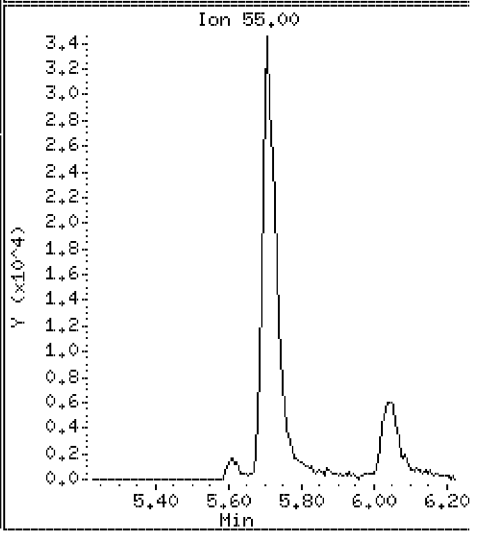












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

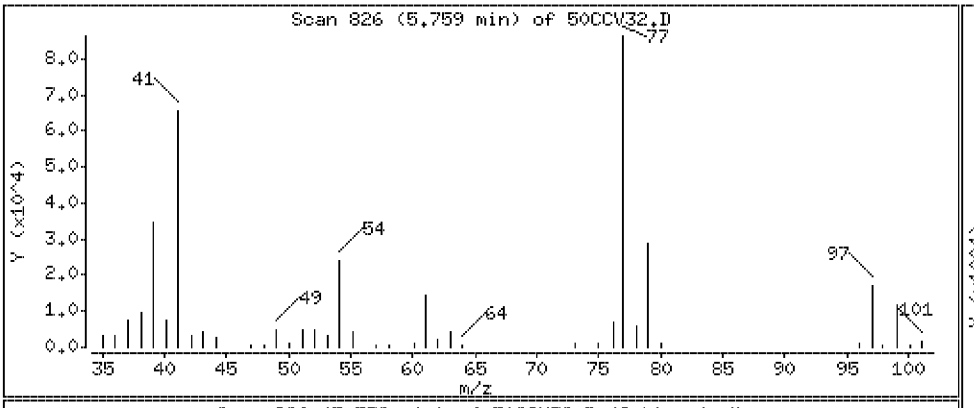
Client ID: 082107CCVA32 Instrument: vms03.i

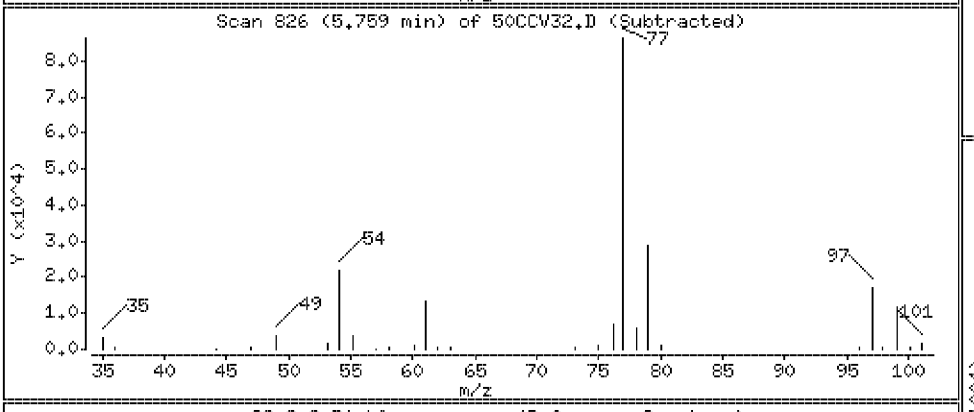
Sample Info: 082107CCVA32

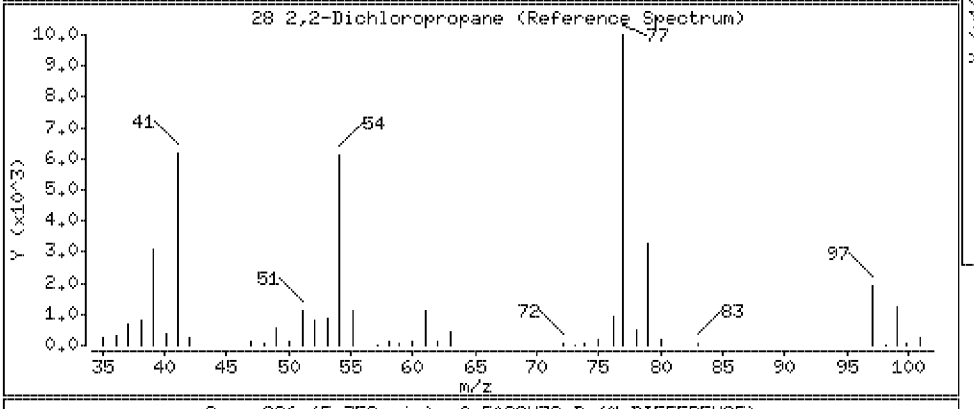
Purge Volume: 5.0 Operator:

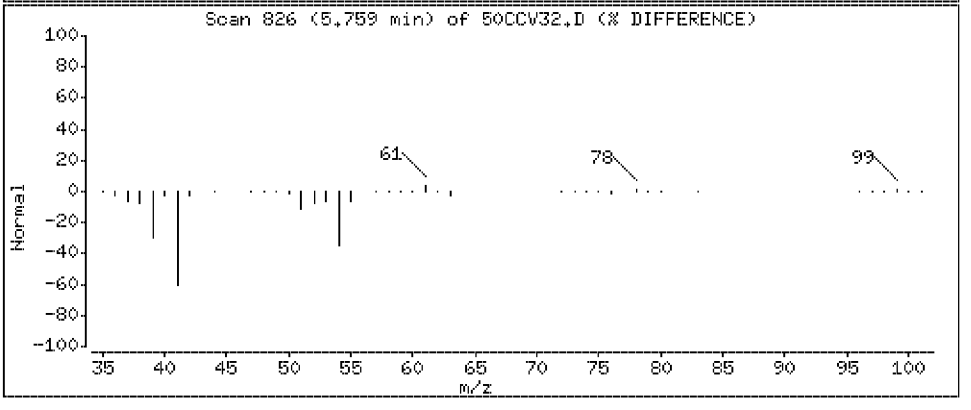
Column phase: DB-624 Column diameter: 0.18

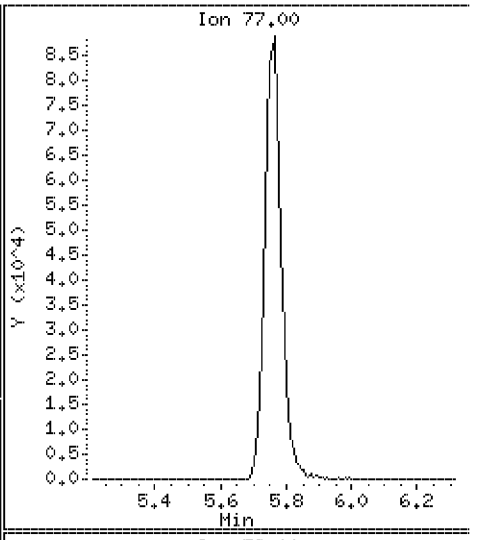
28 2,2-Dichloropropane Concentration: 61.6 ug/l

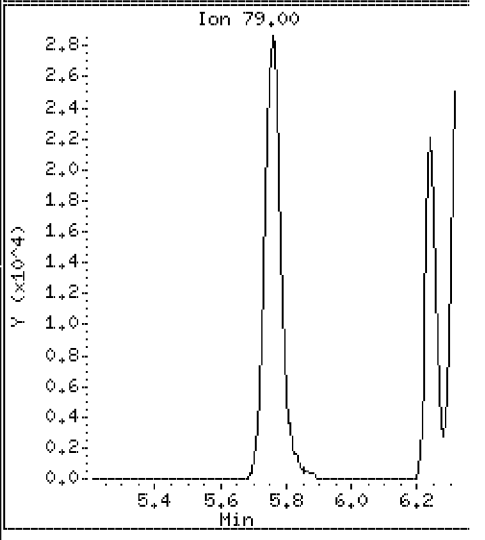












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

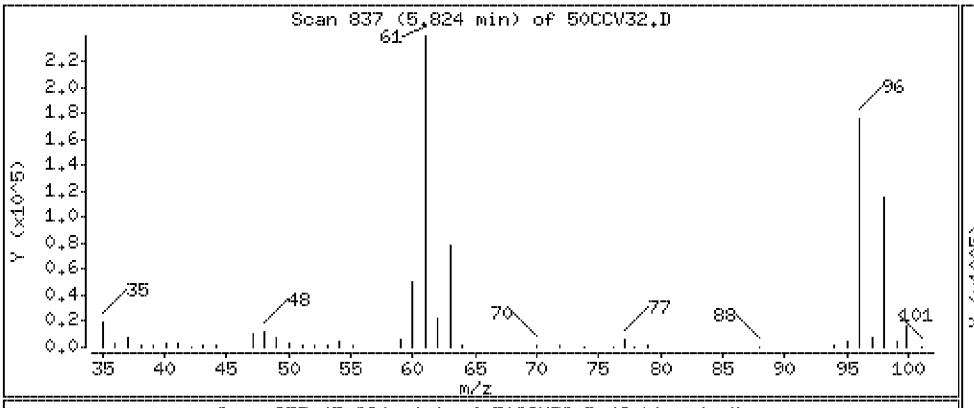
Client ID: 082107CCVA32 Instrument: vms03.i

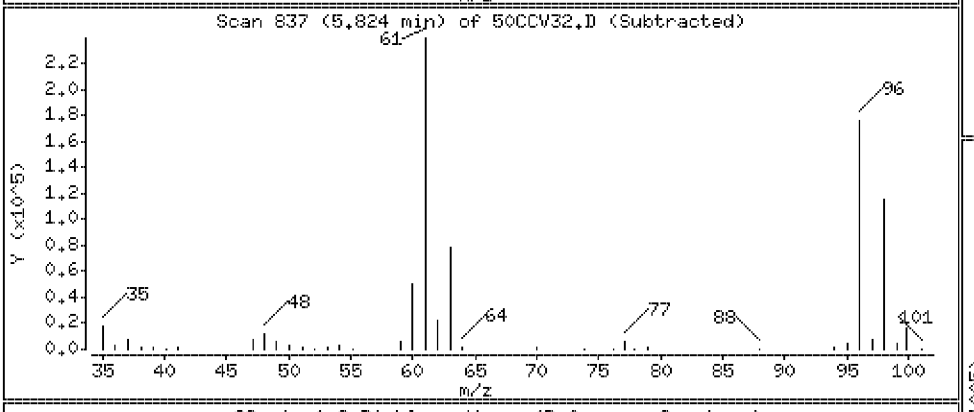
Sample Info: 082107CCVA32

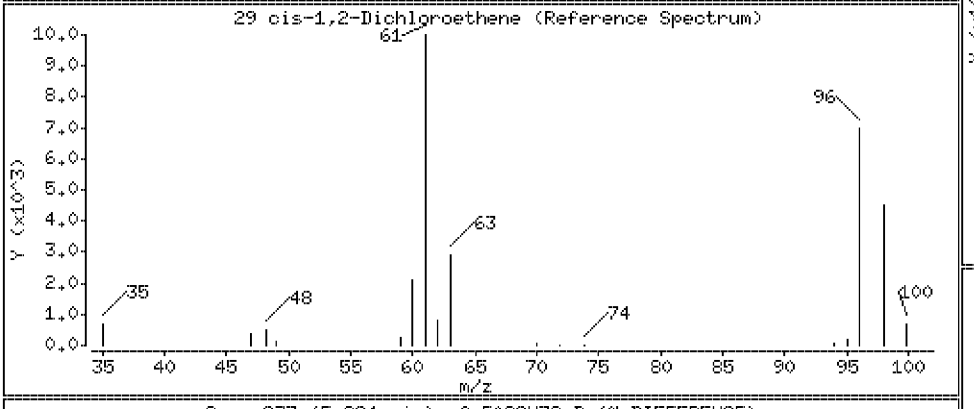
Purge Volume: 5.0 Operator:

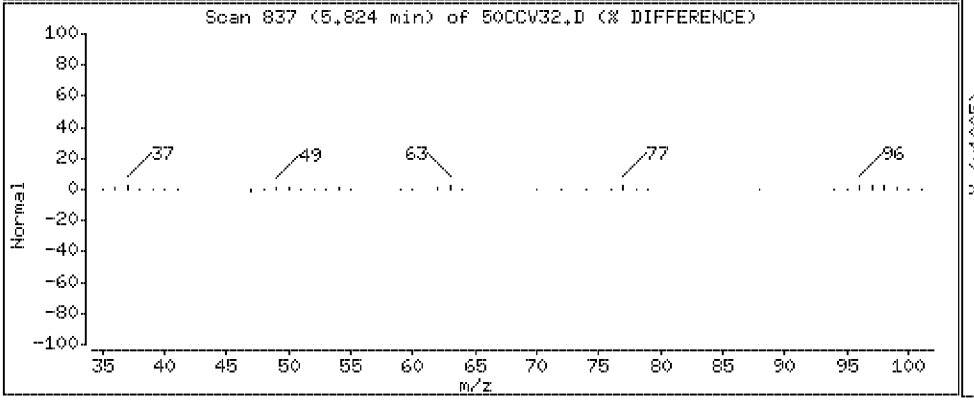
Column phase: DB-624 Column diameter: 0.18

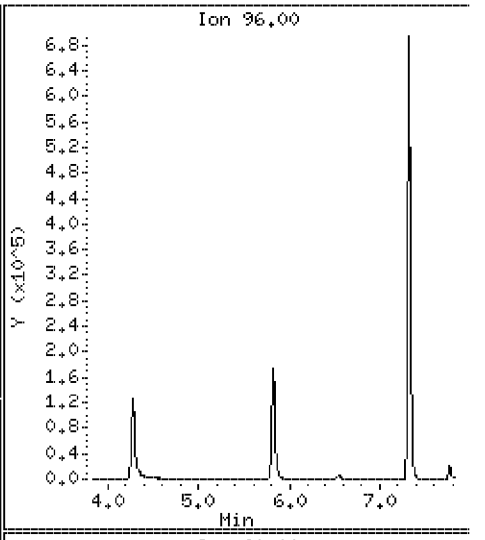
29 cis-1,2-Dichloroethene Concentration: 48.5 ug/l

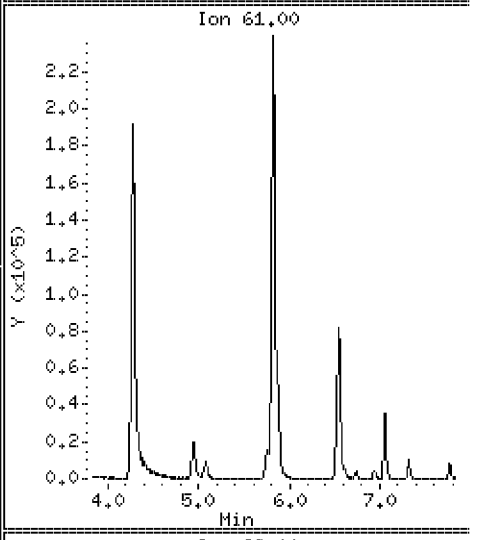


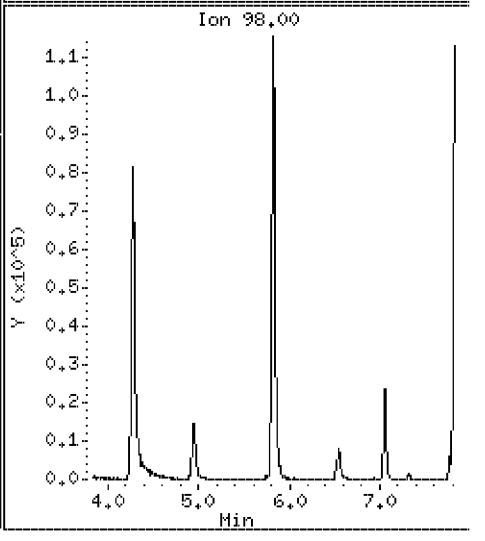












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

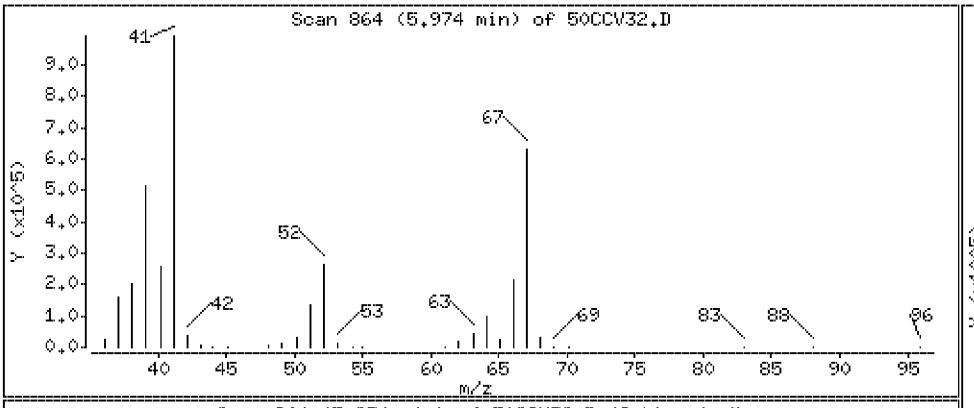
Client ID: 082107CCVA32 Instrument: vms03.i

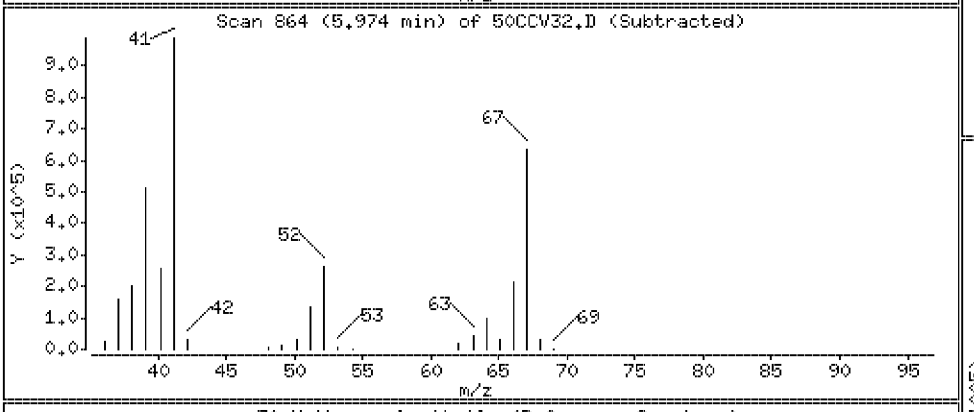
Sample Info: 082107CCVA32

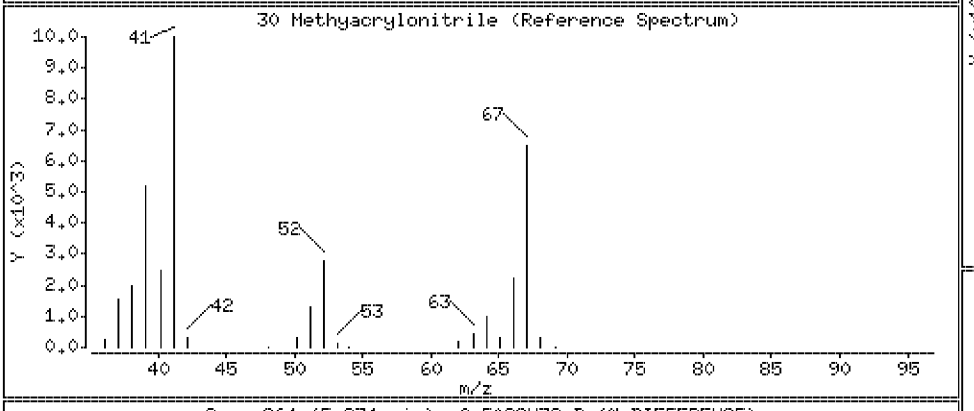
Purge Volume: 5.0 Operator:

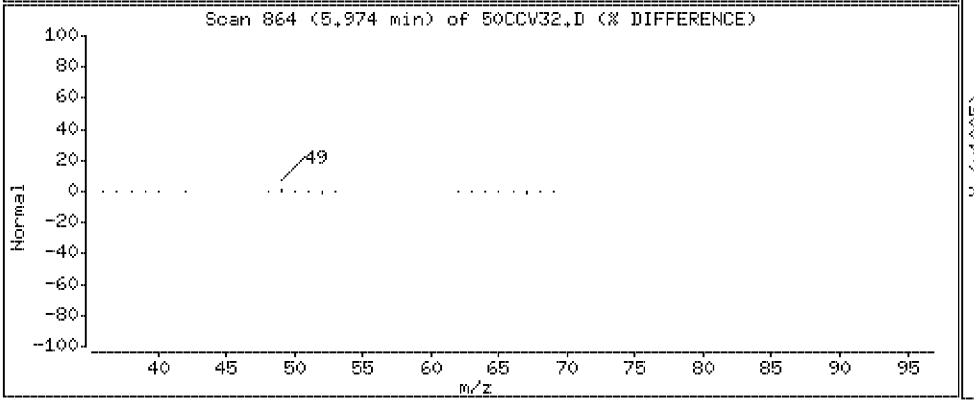
Column phase: DB-624 Column diameter: 0.18

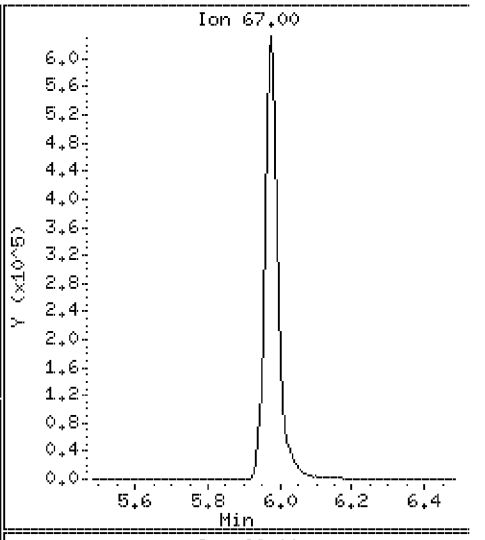
30 Methyacrylonitrile Concentration: 440 ug/l

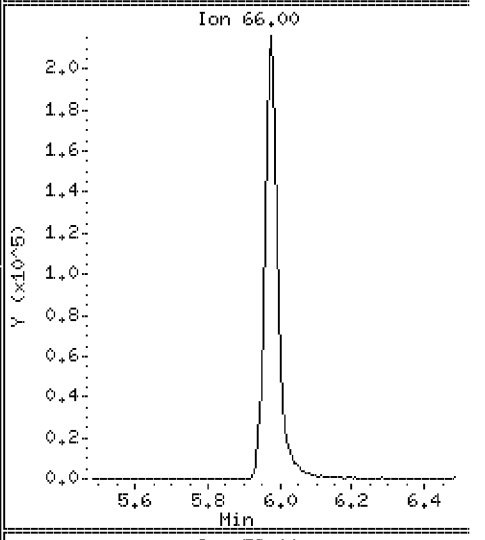


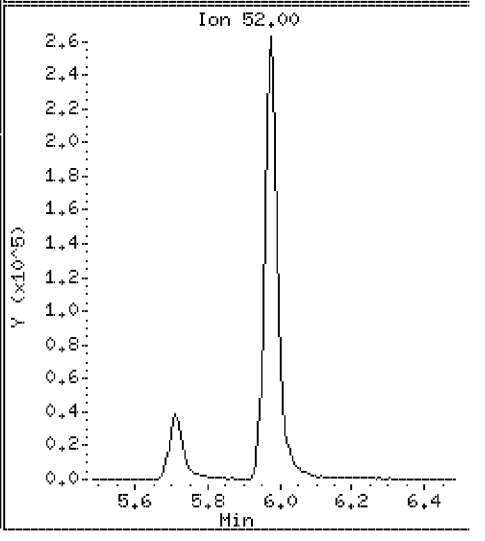












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

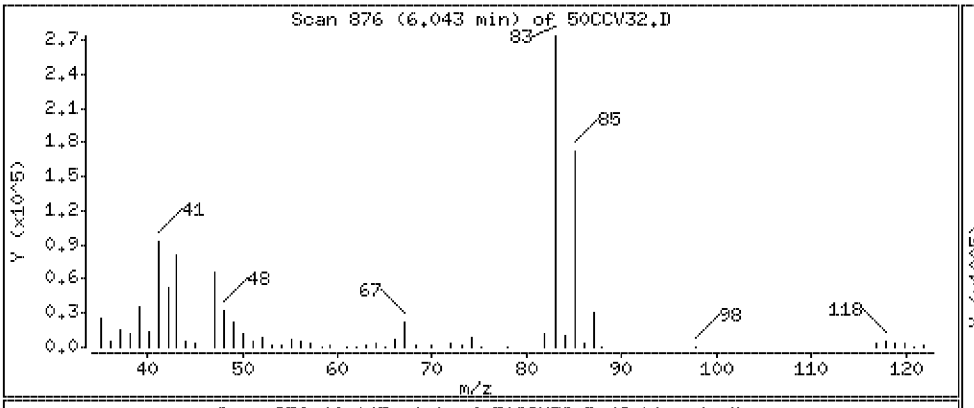
Client ID: 082107CCVA32 Instrument: vms03.i

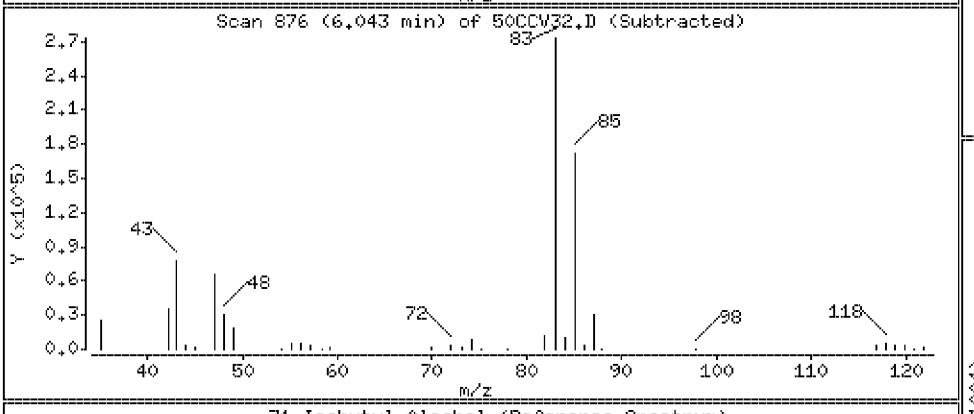
Sample Info: 082107CCVA32

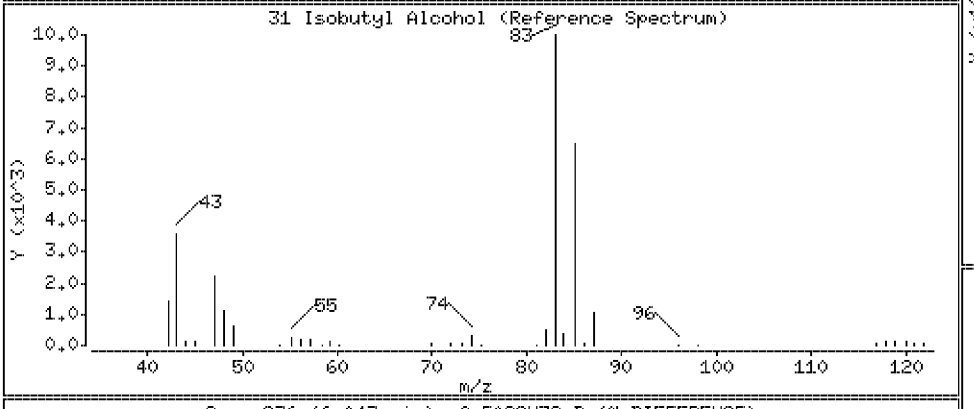
Purge Volume: 5.0 Operator:

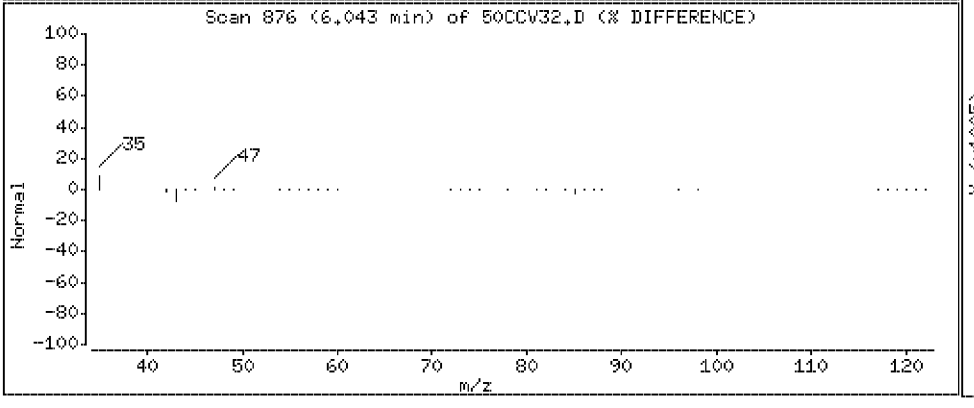
Column phase: DB-624 Column diameter: 0.18

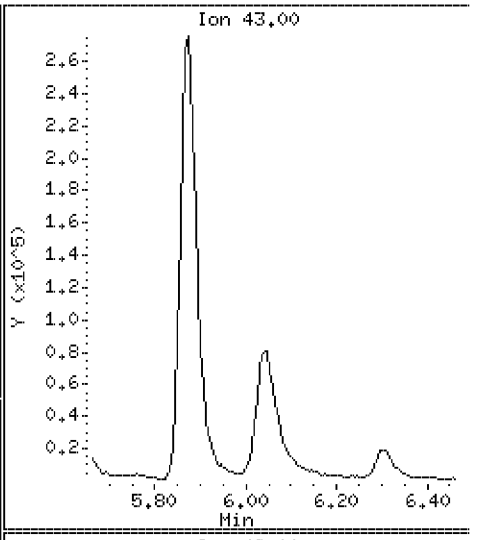
31 Isobutyl Alcohol Concentration: 726 ug/l

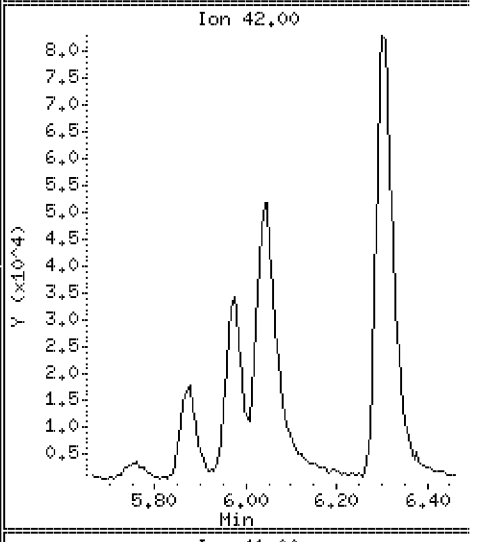


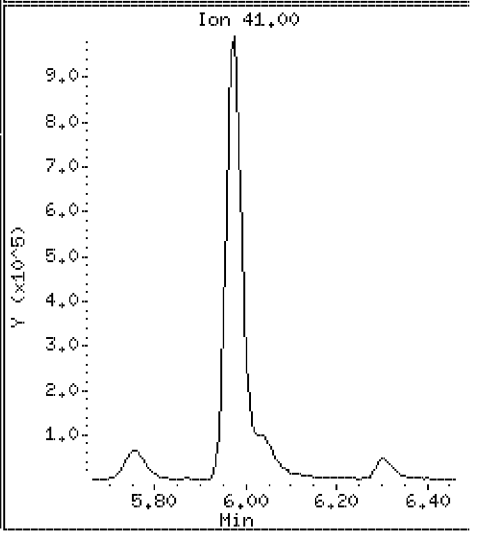












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

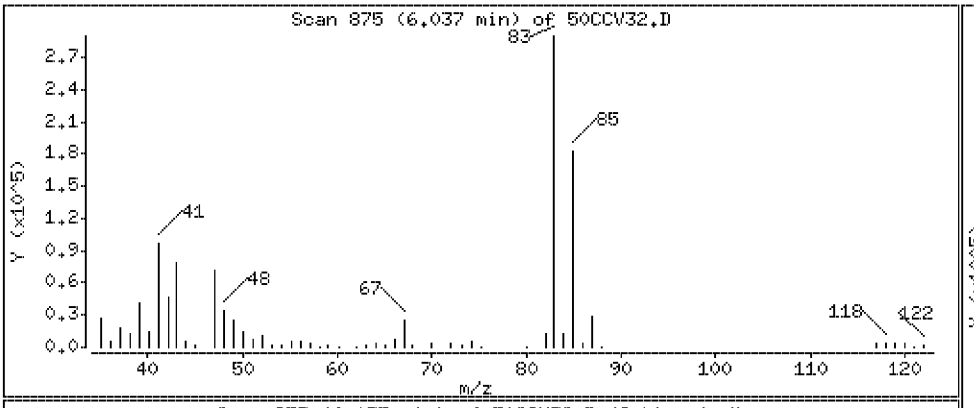
Client ID: 082107CCVA32 Instrument: vms03.i

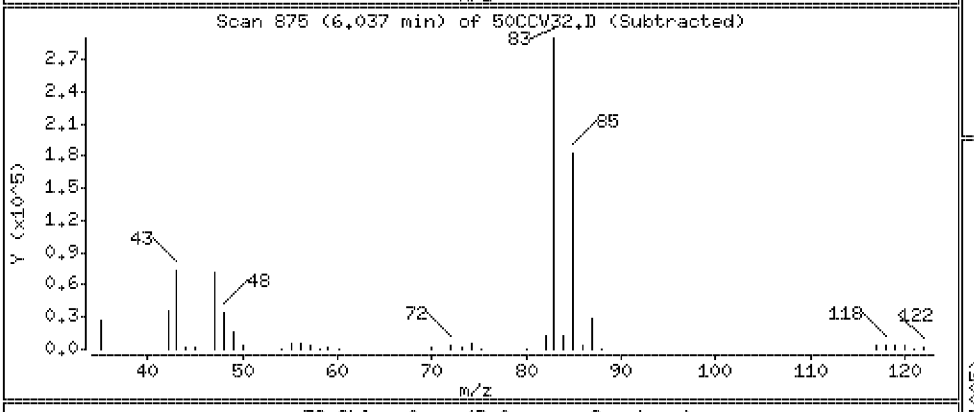
Sample Info: 082107CCVA32

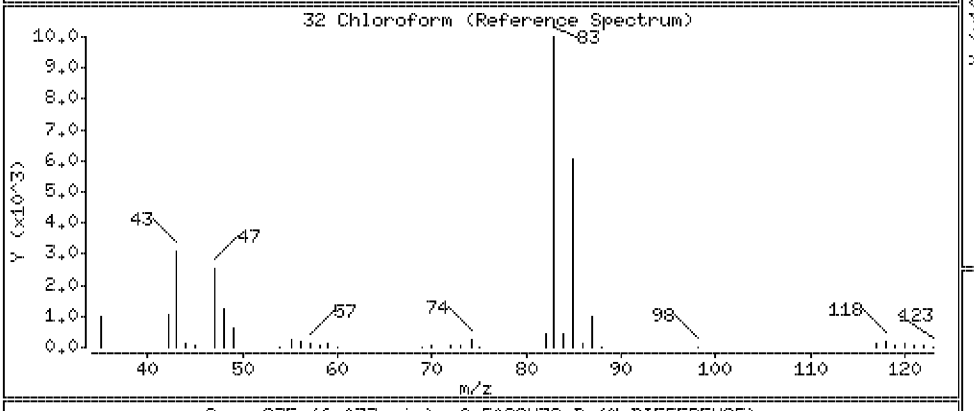
Purge Volume: 5.0 Operator:

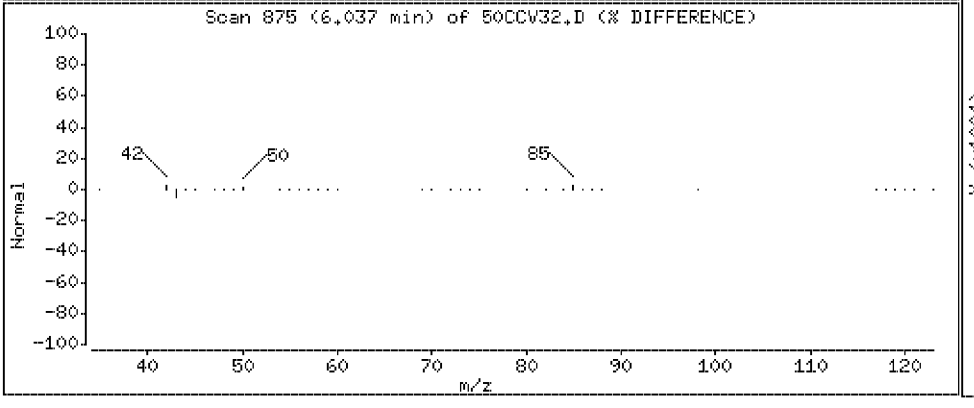
Column phase: DB-624 Column diameter: 0.18

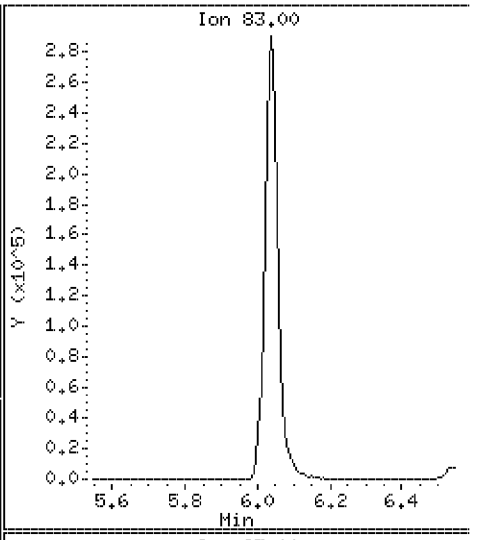
32 Chloroform Concentration: 49.0 ug/l

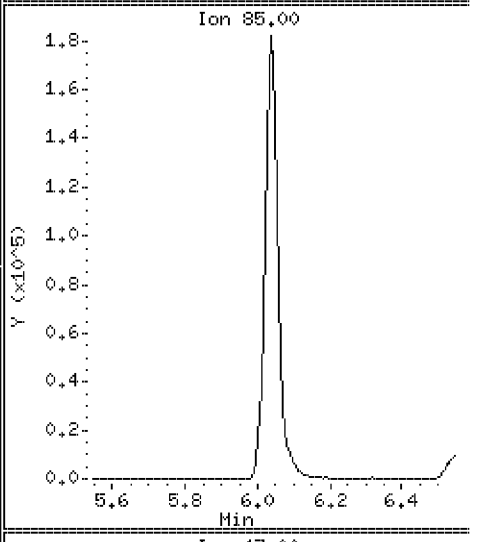


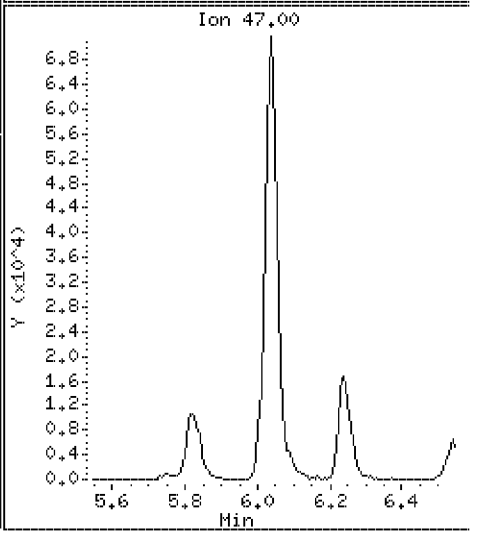












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

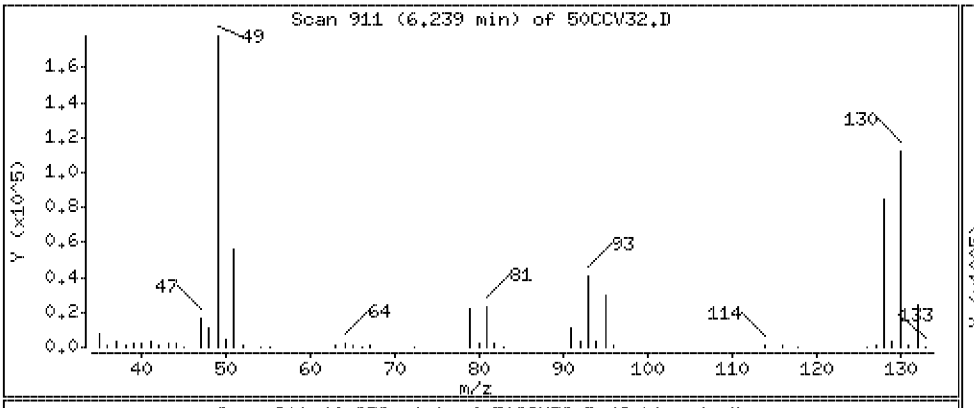
Client ID: 082107CCVA32 Instrument: vms03.i

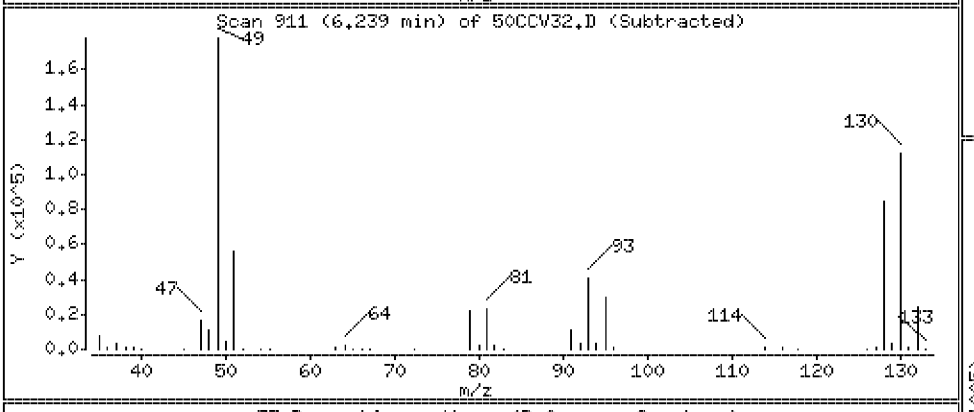
Sample Info: 082107CCVA32

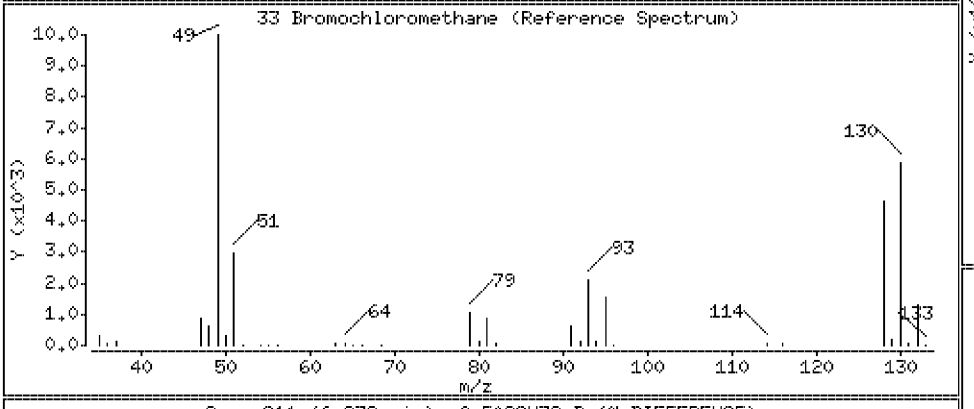
Purge Volume: 5.0 Operator:

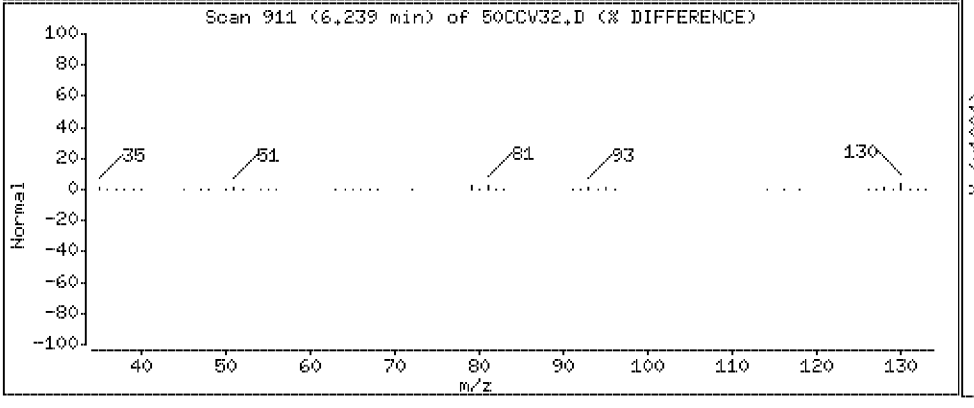
Column phase: DB-624 Column diameter: 0.18

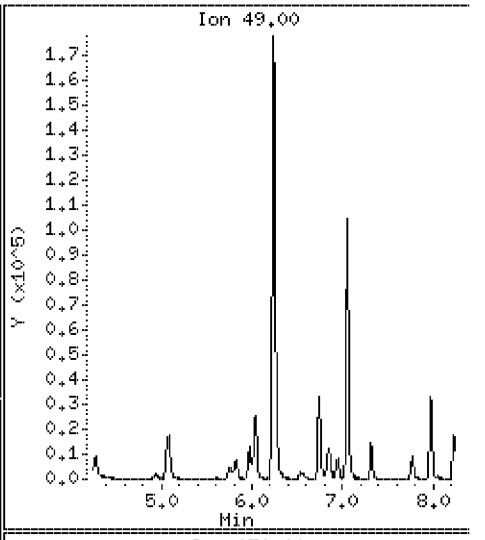
33 Bromochloromethane Concentration: 47.1 ug/l

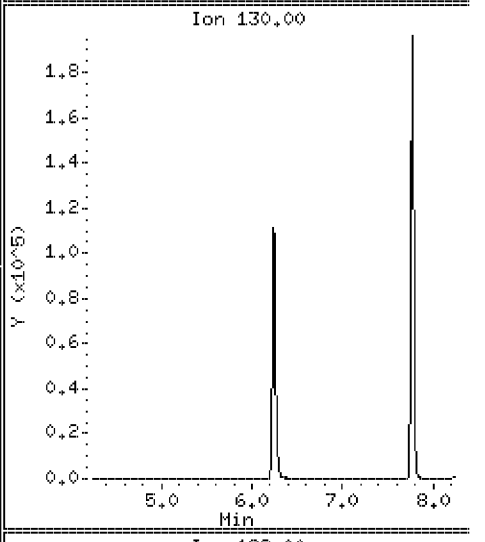


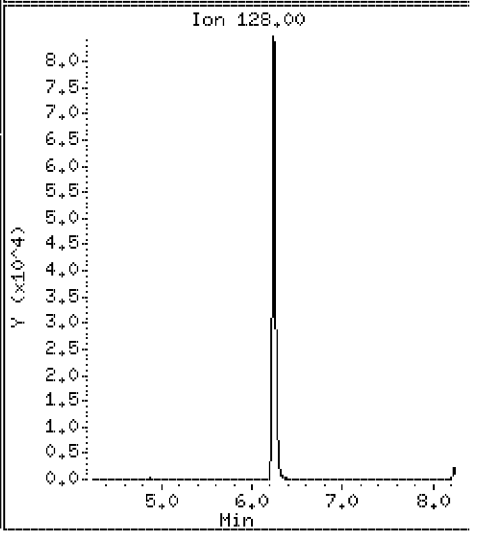












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

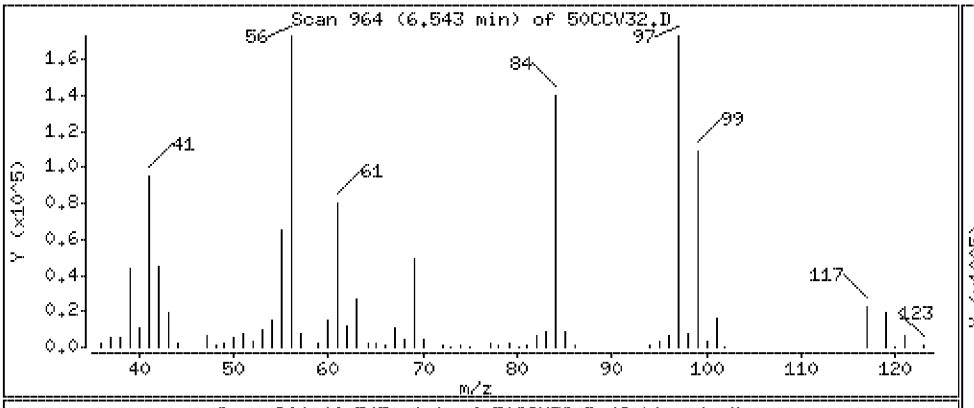
Client ID: 082107CCVA32 Instrument: vms03.i

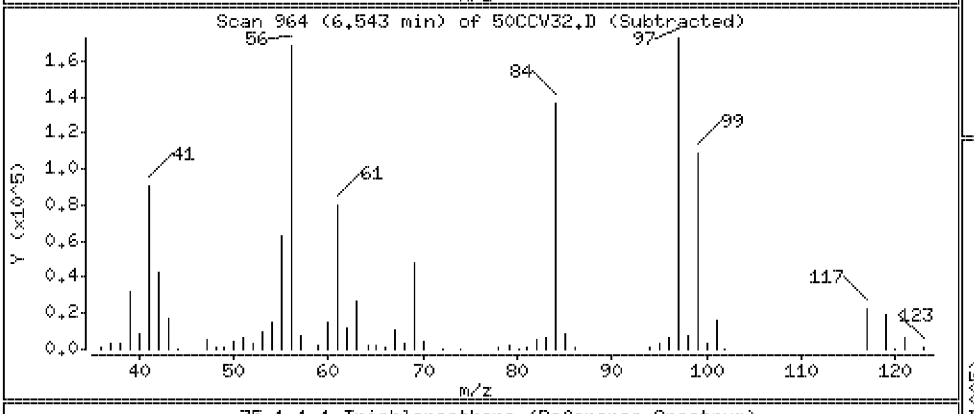
Sample Info: 082107CCVA32

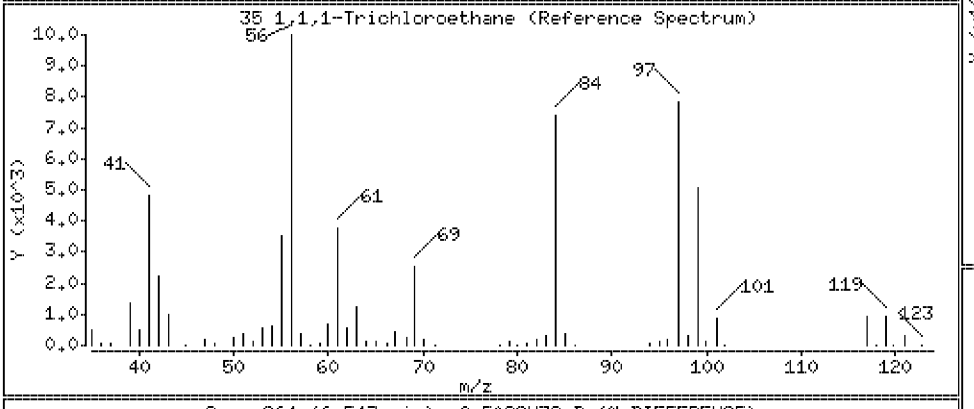
Purge Volume: 5.0 Operator:

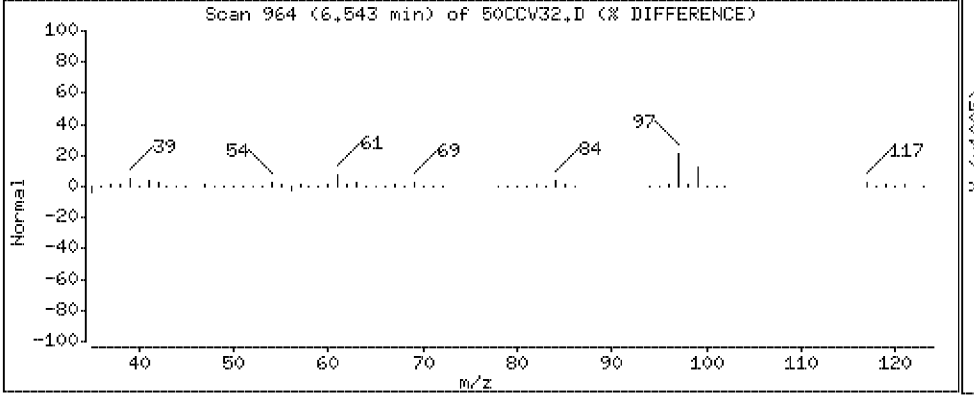
Column phase: DB-624 Column diameter: 0.18

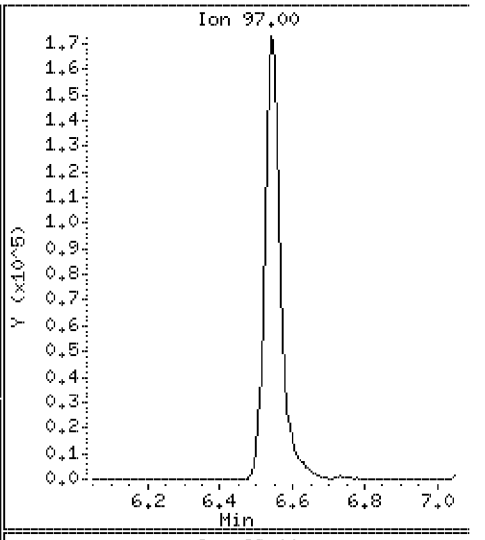
35 1,1,1-Trichloroethane Concentration: 54.6 ug/l

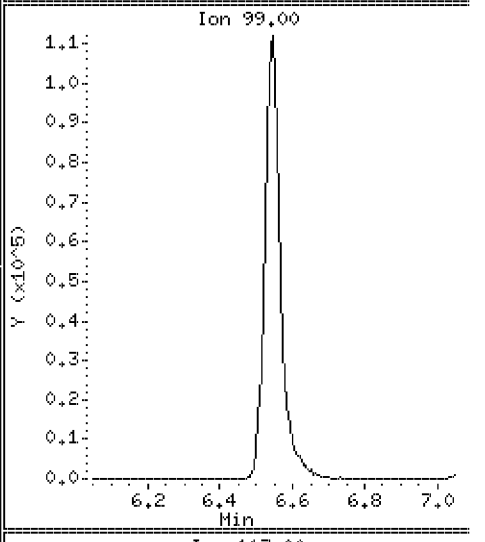


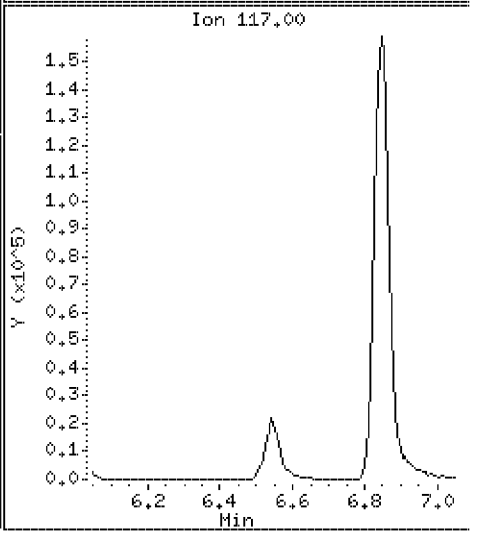












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

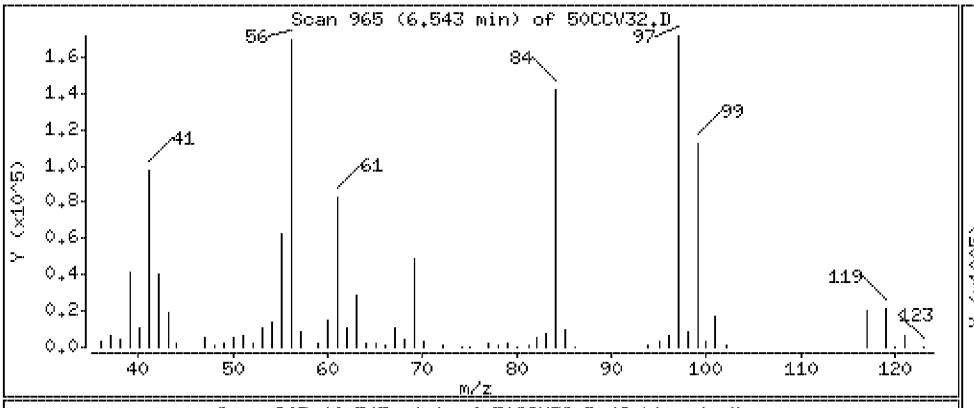
Client ID: 082107CCVA32 Instrument: vms03.i

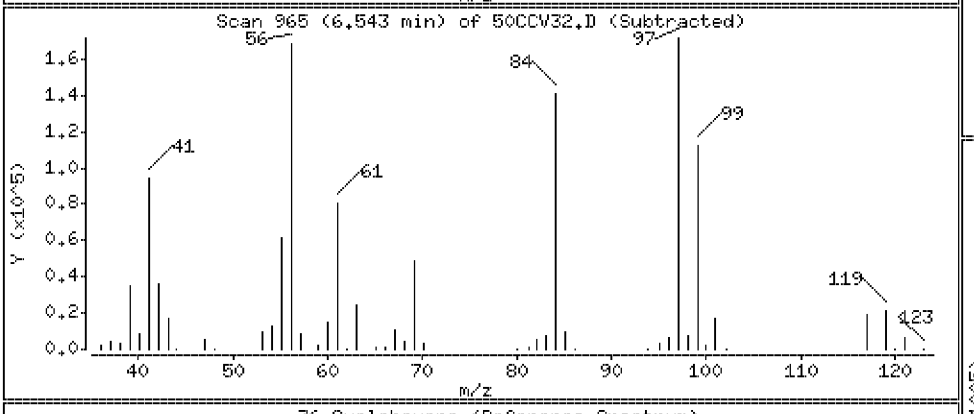
Sample Info: 082107CCVA32

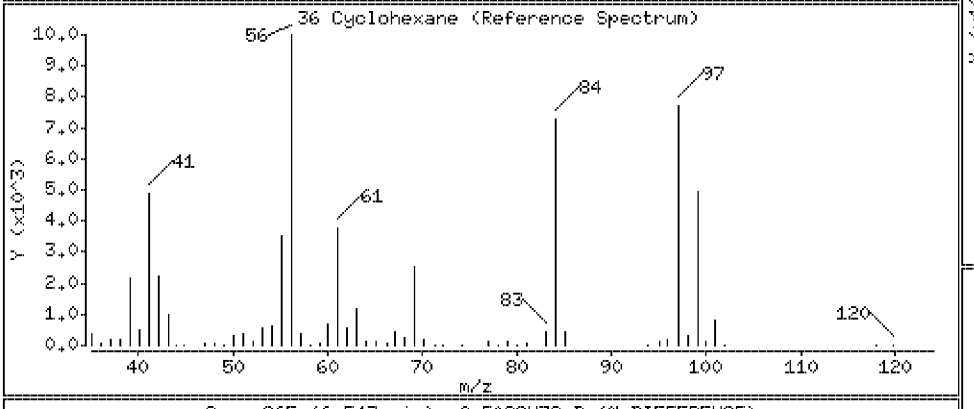
Purge Volume: 5.0 Operator:

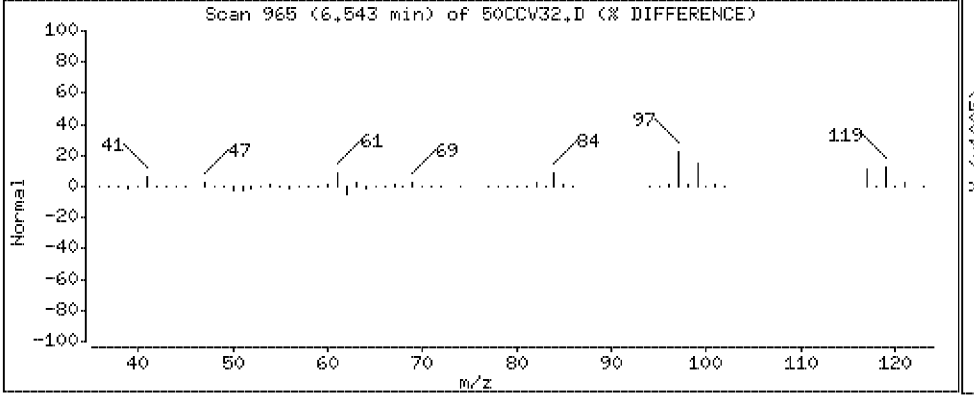
Column phase: DB-624 Column diameter: 0.18

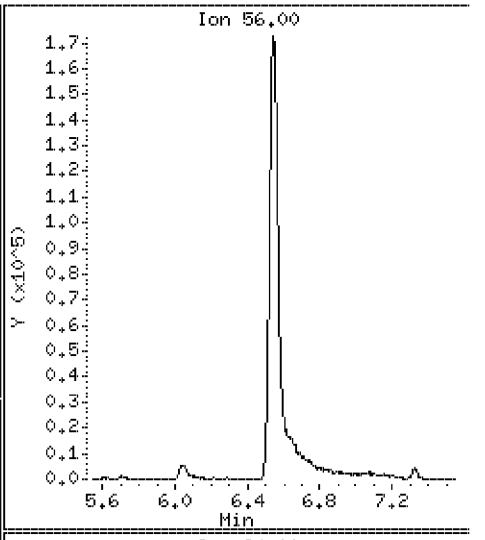
36 Cyclohexane Concentration: 47.5 ug/l

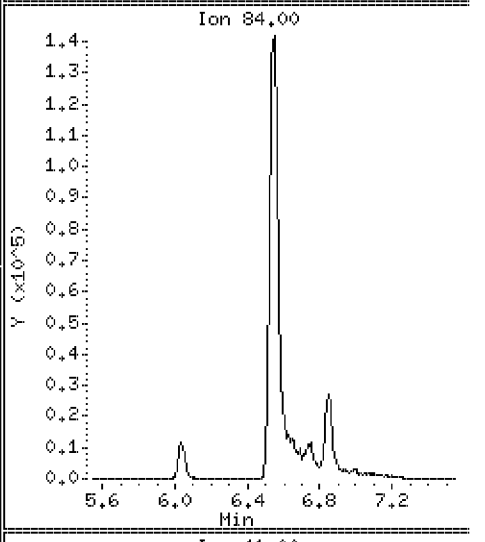


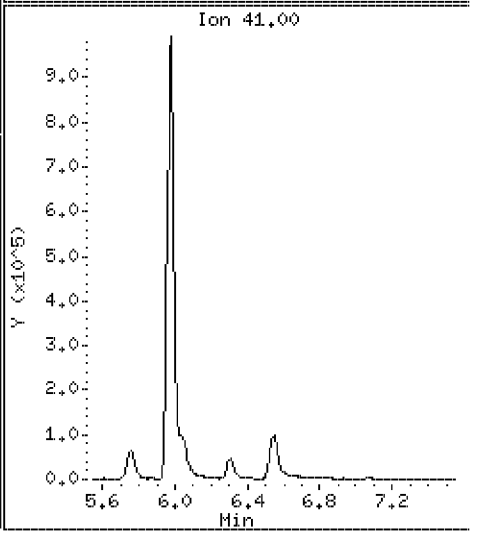












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

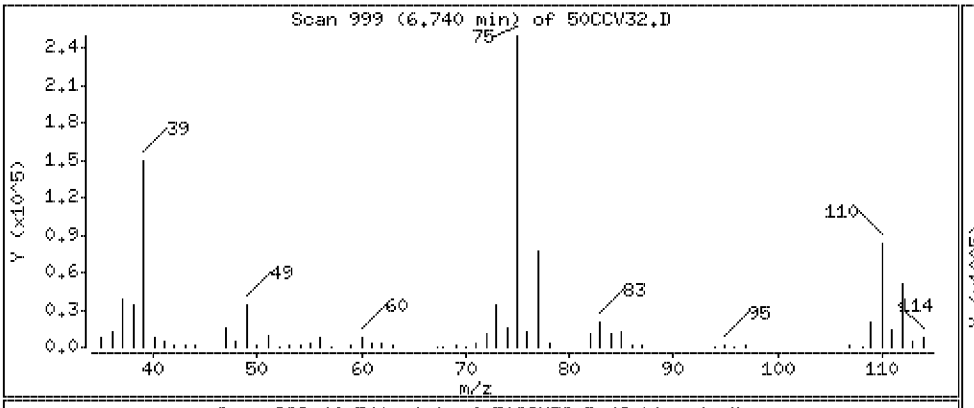
Client ID: 082107CCVA32 Instrument: vms03.i

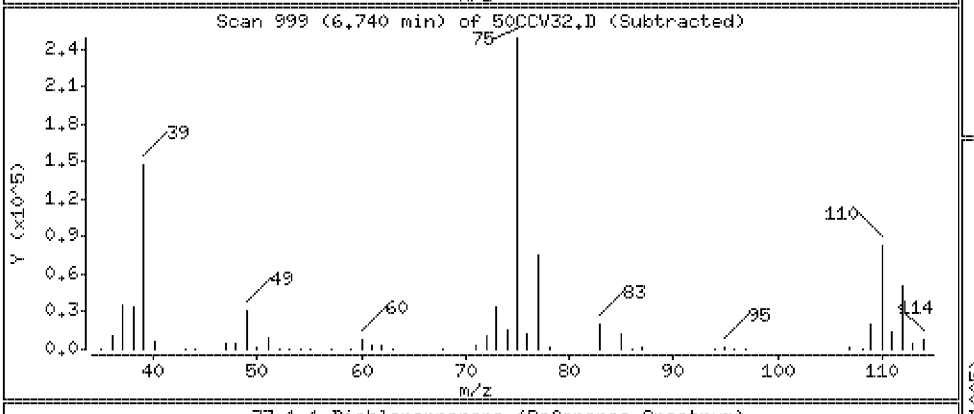
Sample Info: 082107CCVA32

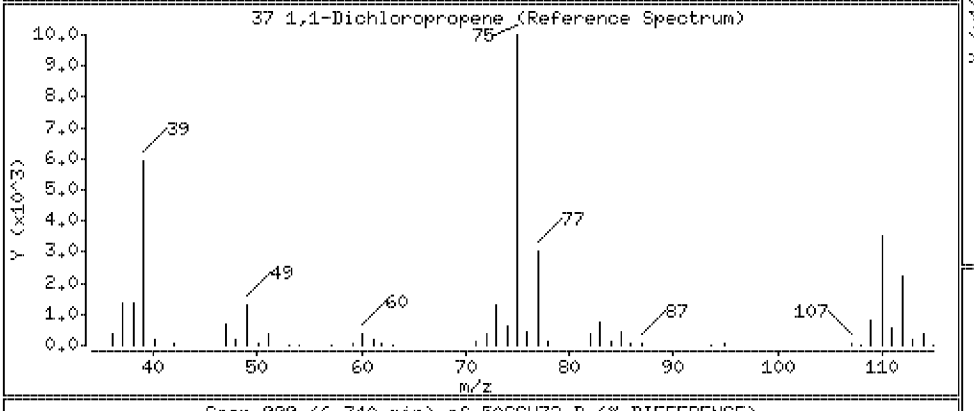
Purge Volume: 5.0 Operator:

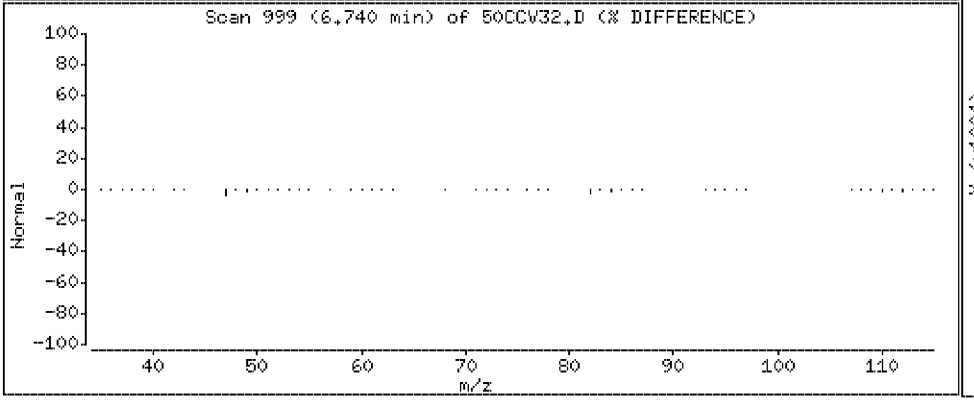
Column phase: DB-624 Column diameter: 0.18

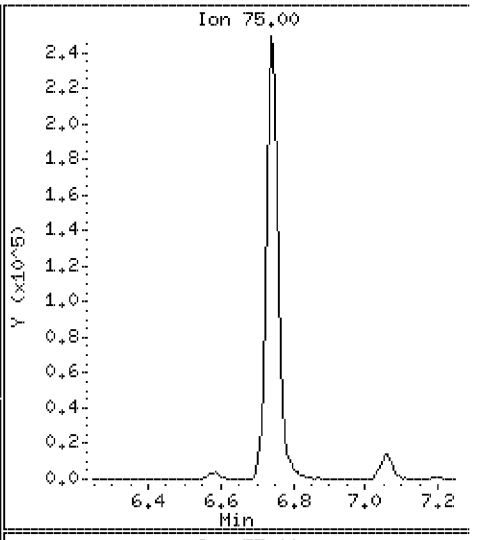
37 1,1-Dichloropropene Concentration: 50.3 ug/l

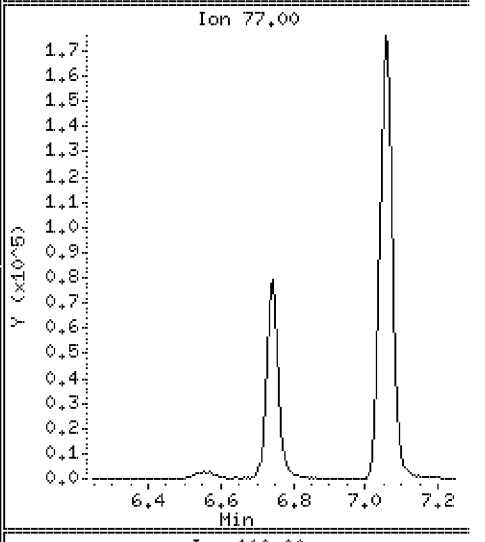


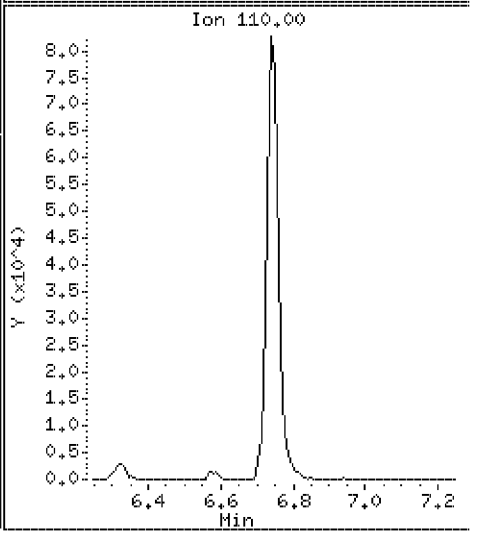












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

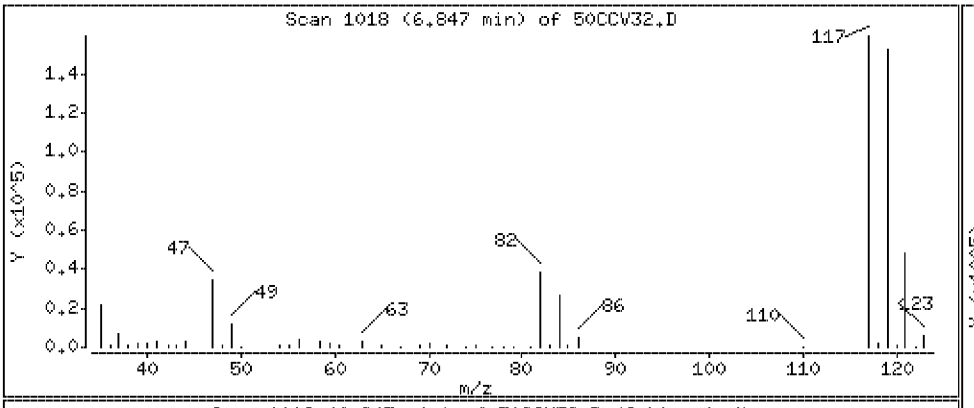
Client ID: 082107CCVA32 Instrument: vms03.i

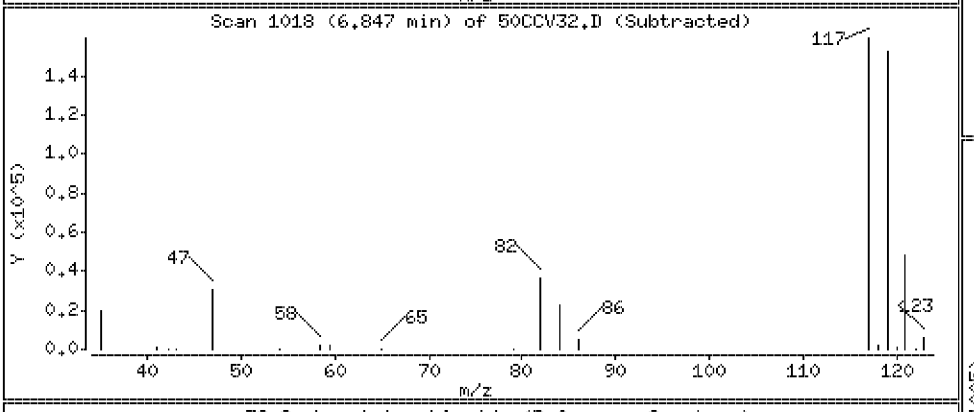
Sample Info: 082107CCVA32

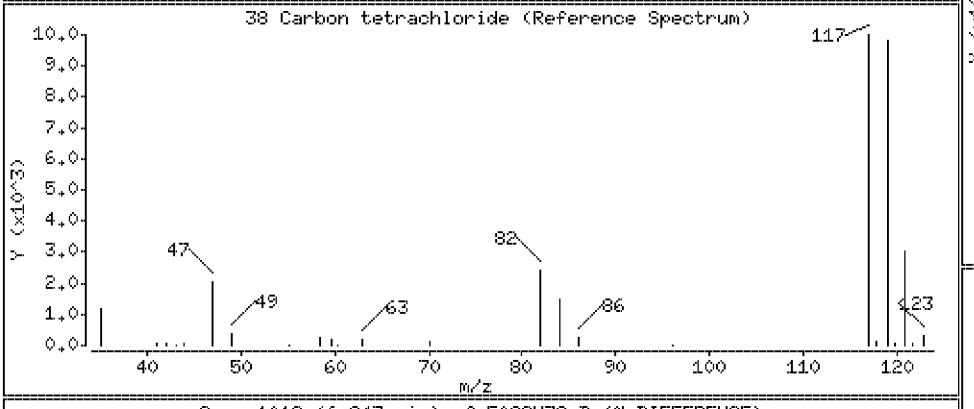
Purge Volume: 5.0 Operator:

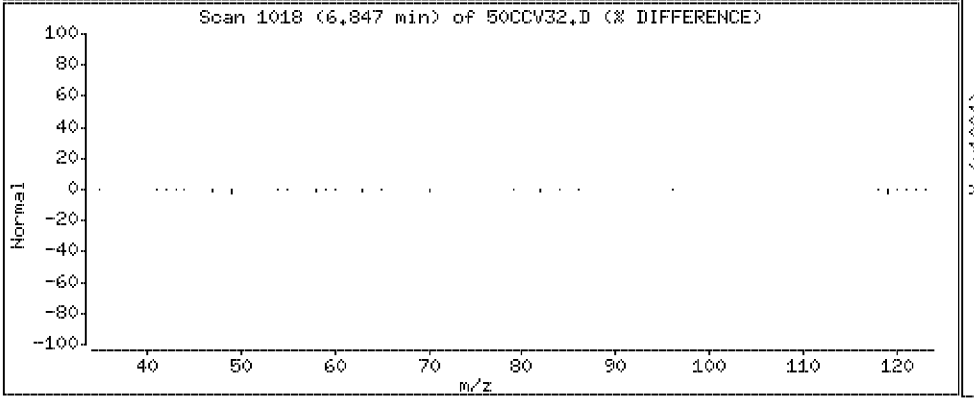
Column phase: DB-624 Column diameter: 0.18

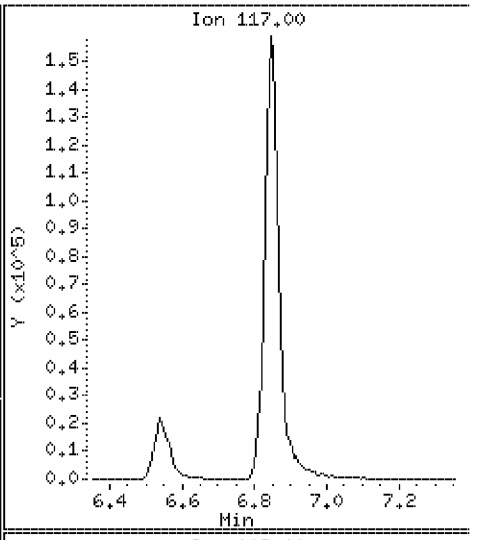
38 Carbon tetrachloride Concentration: 57.4 ug/l

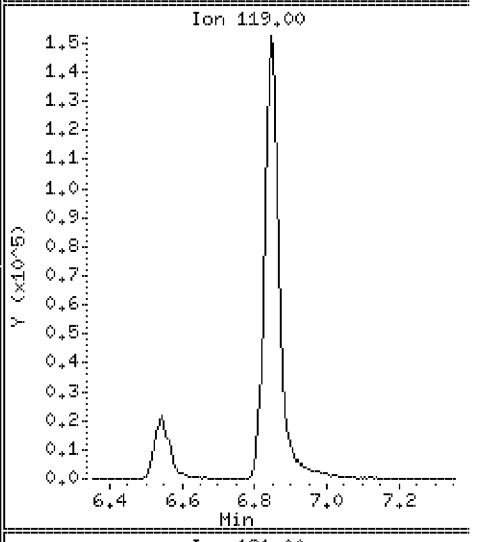


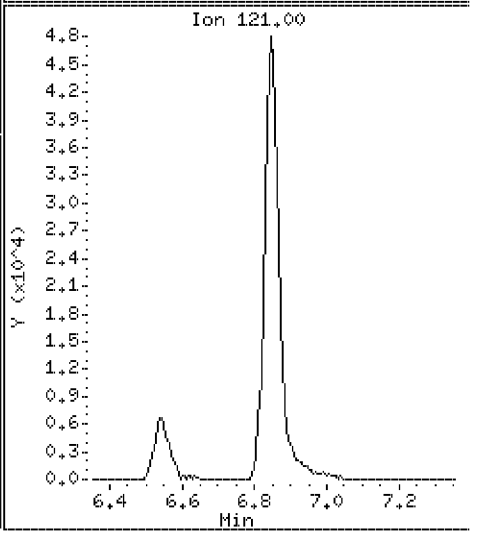












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

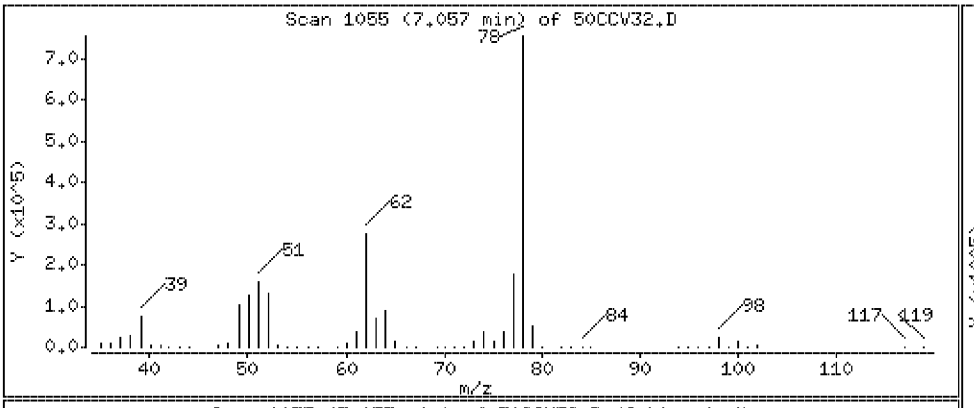
Client ID: 082107CCVA32 Instrument: vms03.i

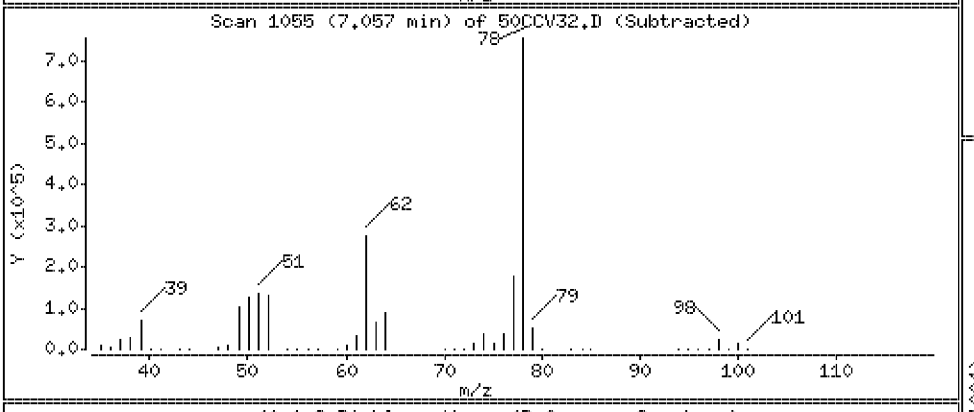
Sample Info: 082107CCVA32

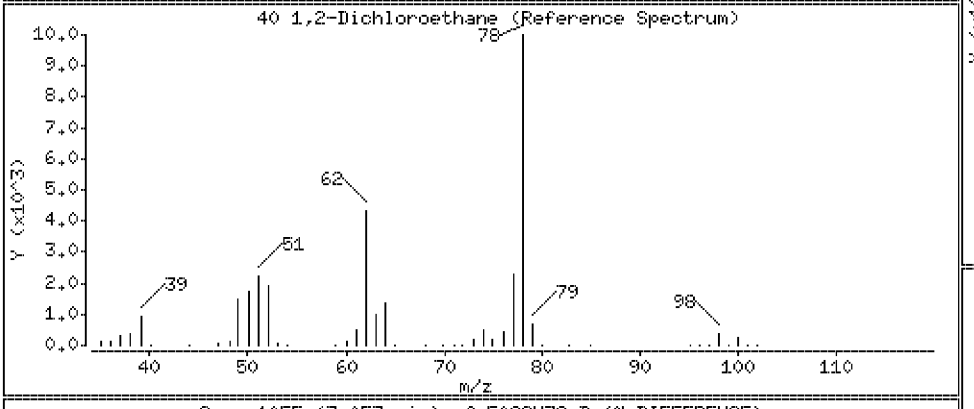
Purge Volume: 5.0 Operator:

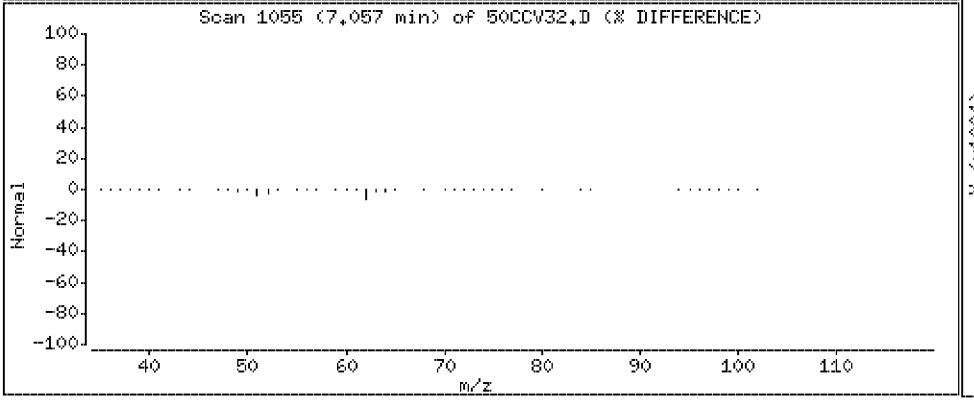
Column phase: DB-624 Column diameter: 0.18

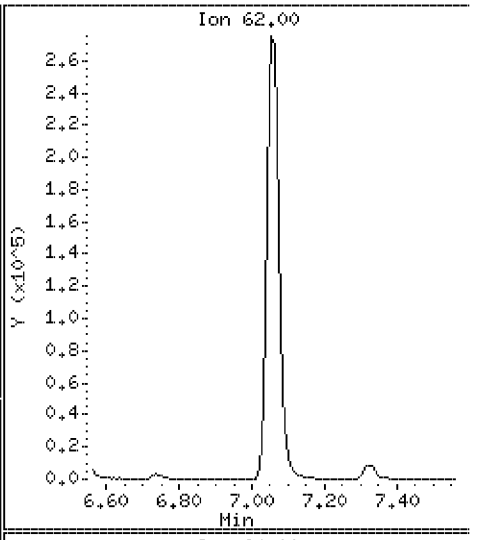
40 1,2-Dichloroethane Concentration: 48.0 ug/l

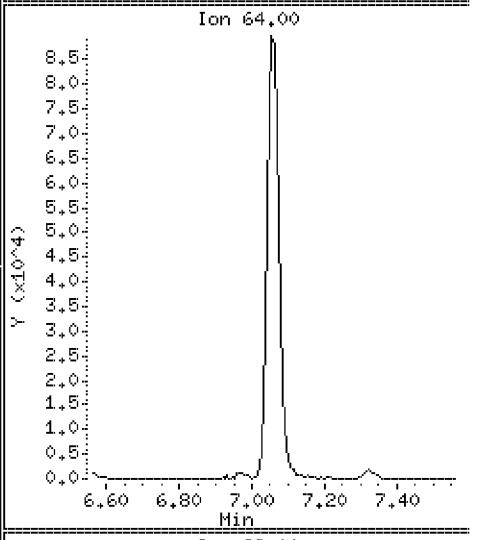


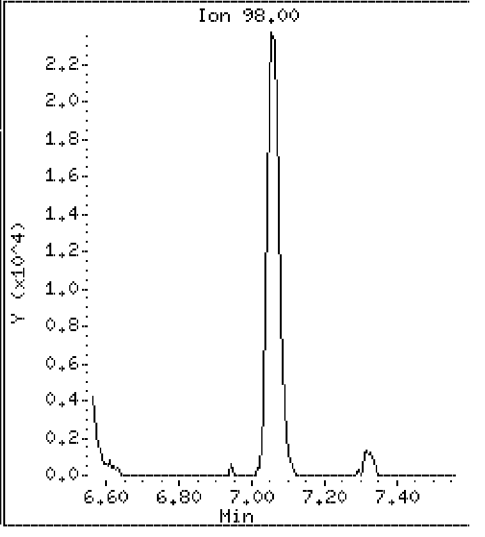












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

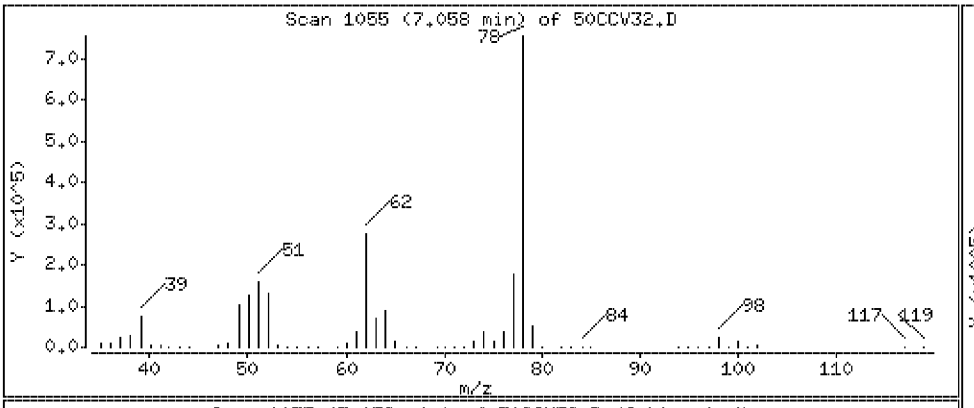
Client ID: 082107CCVA32 Instrument: vms03.i

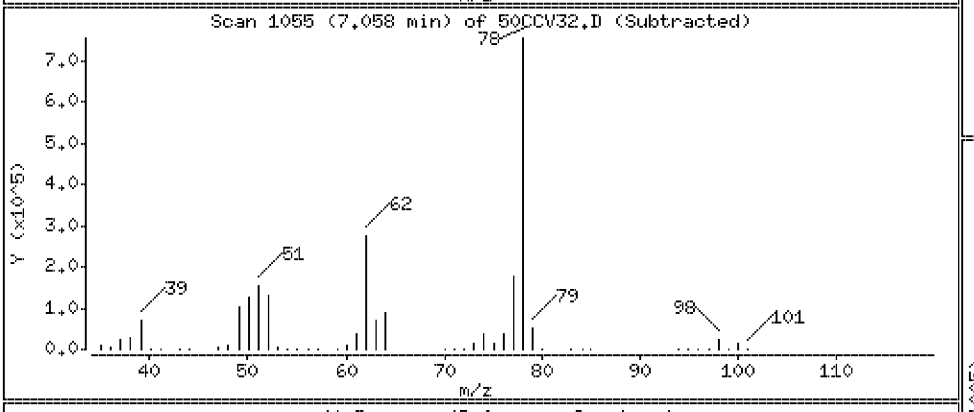
Sample Info: 082107CCVA32

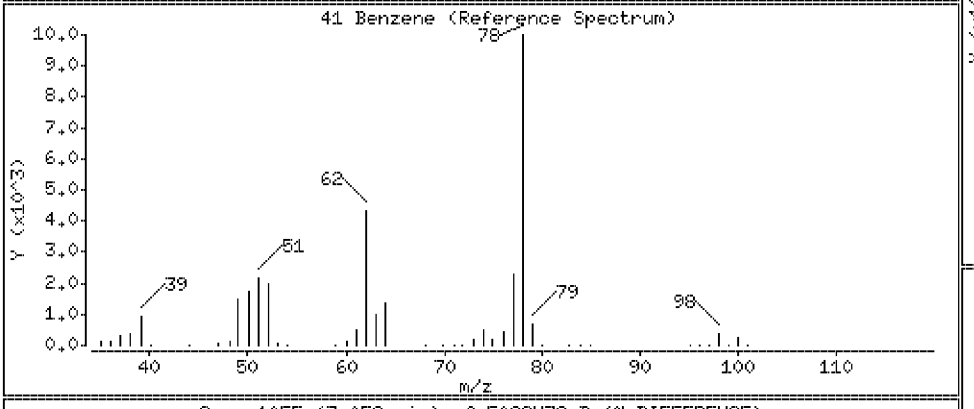
Purge Volume: 5.0 Operator:

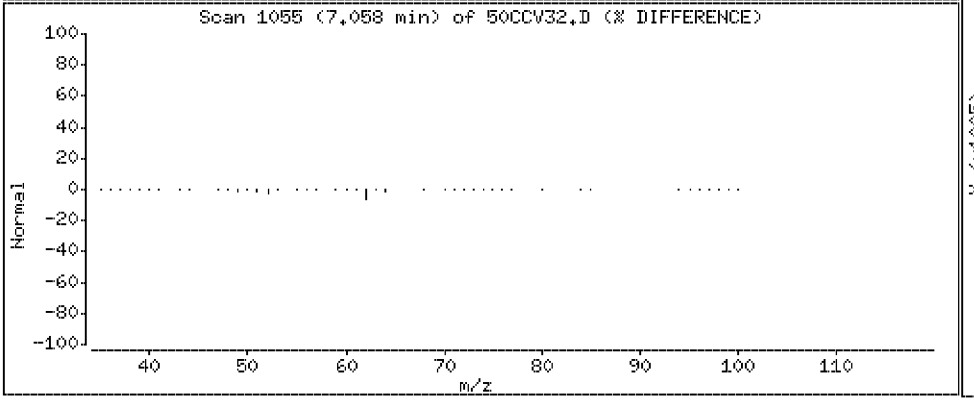
Column phase: DB-624 Column diameter: 0.18

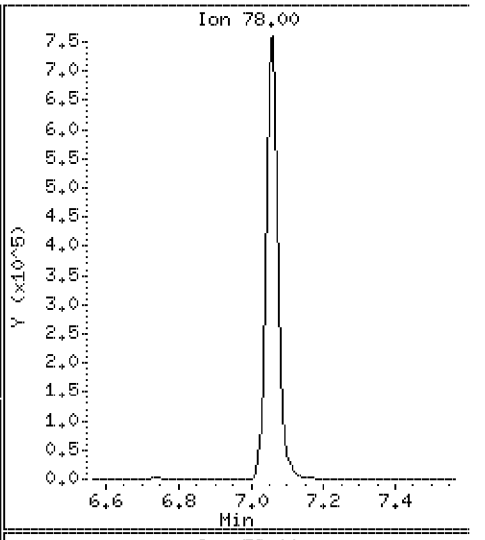
41 Benzene Concentration: 47.2 ug/l

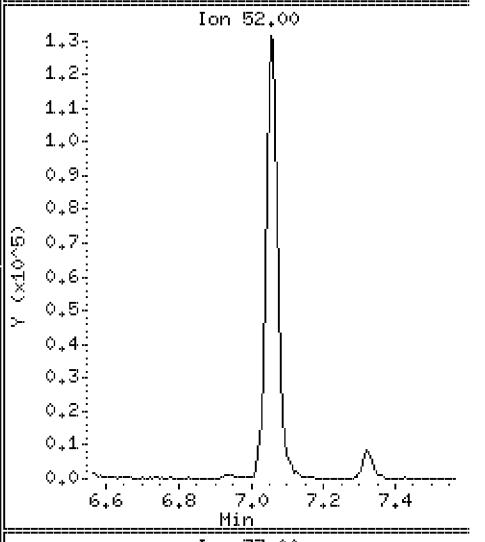


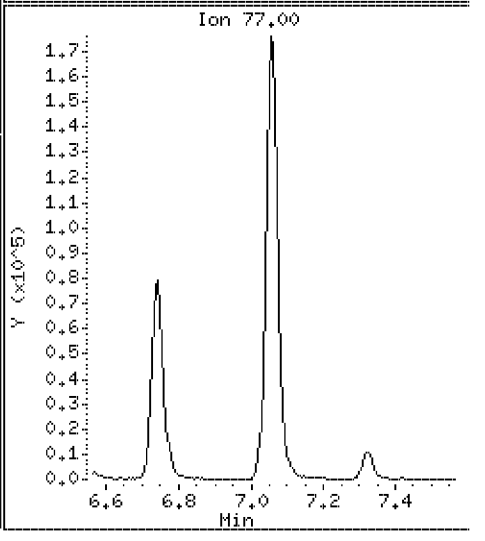












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

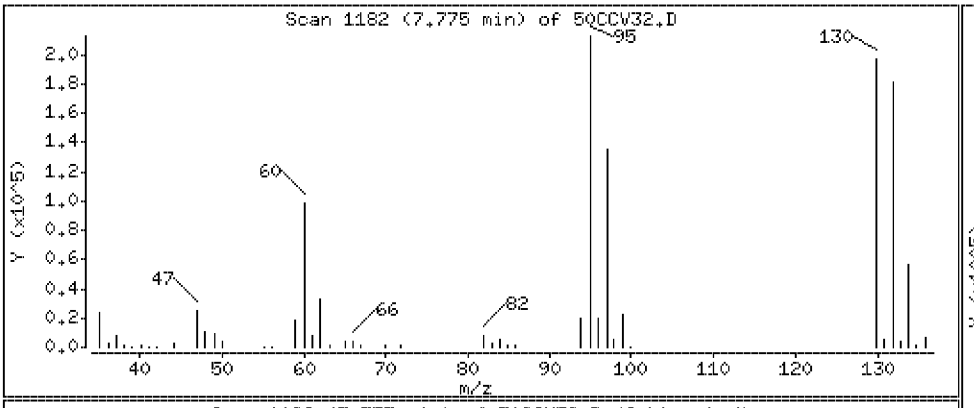
Client ID: 082107CCVA32 Instrument: vms03.i

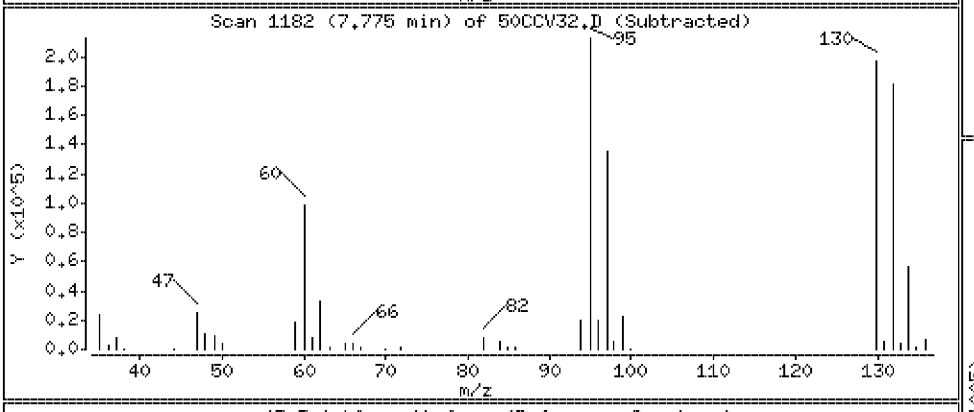
Sample Info: 082107CCVA32

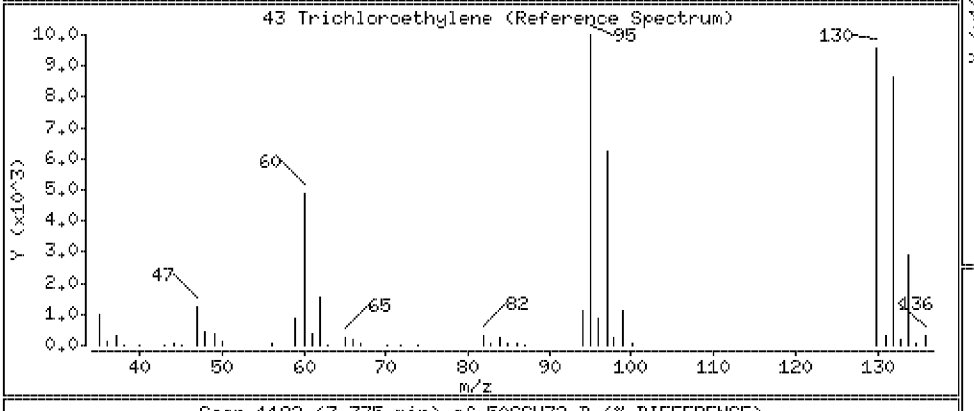
Purge Volume: 5.0 Operator:

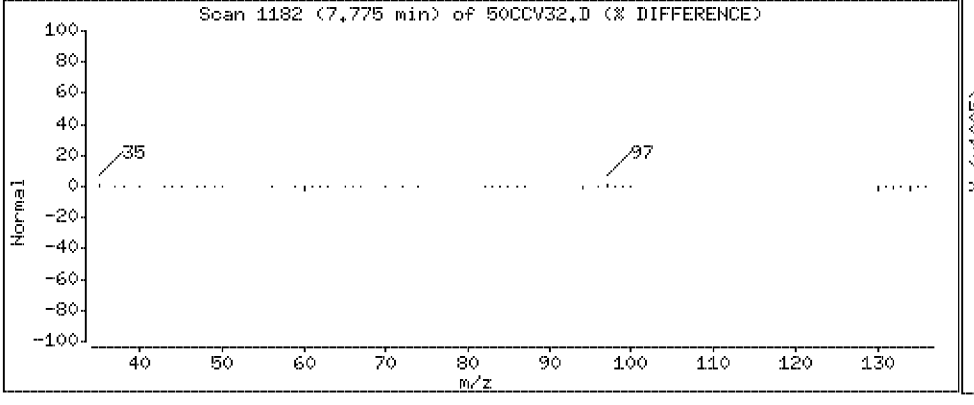
Column phase: DB-624 Column diameter: 0.18

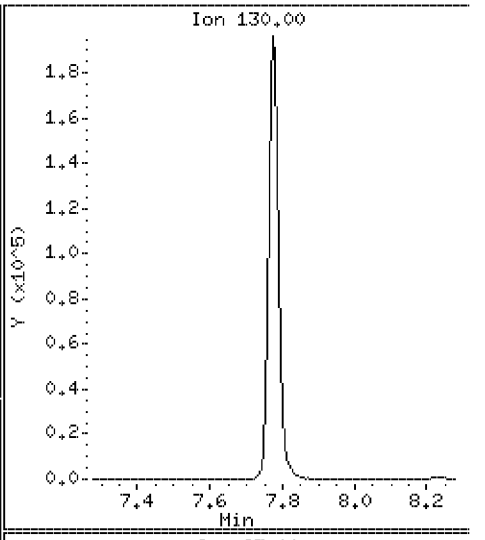
43 Trichloroethylene Concentration: 48.4 ug/l

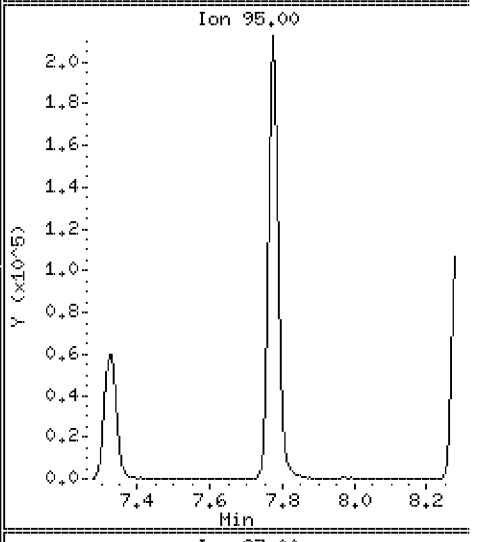


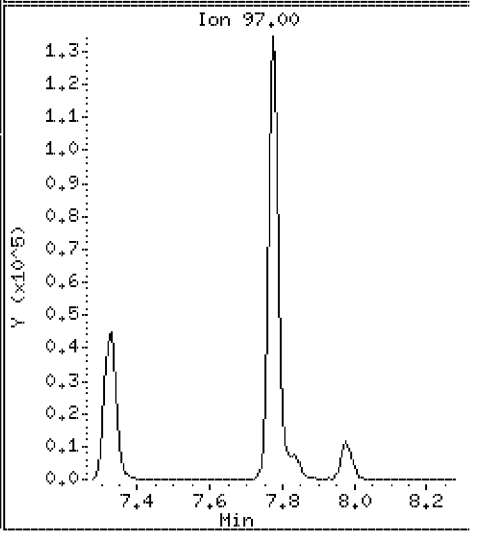












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

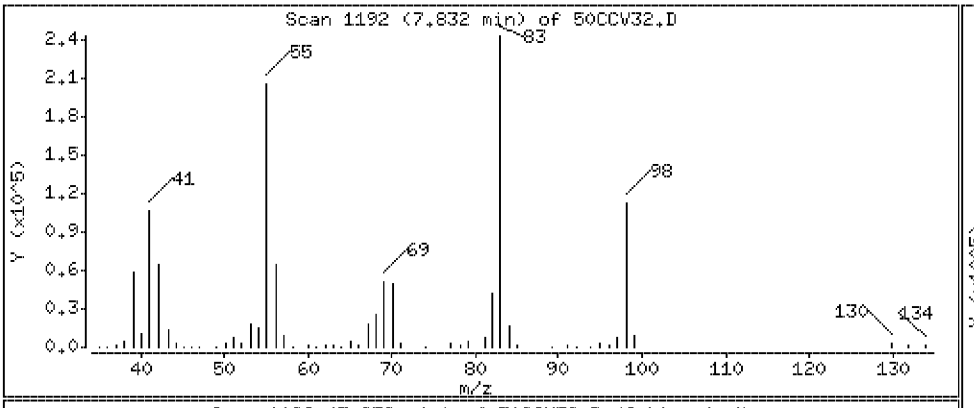
Client ID: 082107CCVA32 Instrument: vms03.i

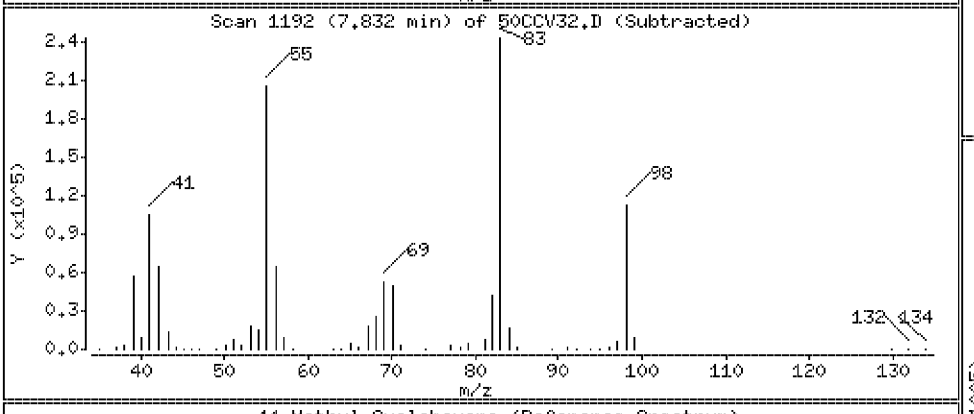
Sample Info: 082107CCVA32

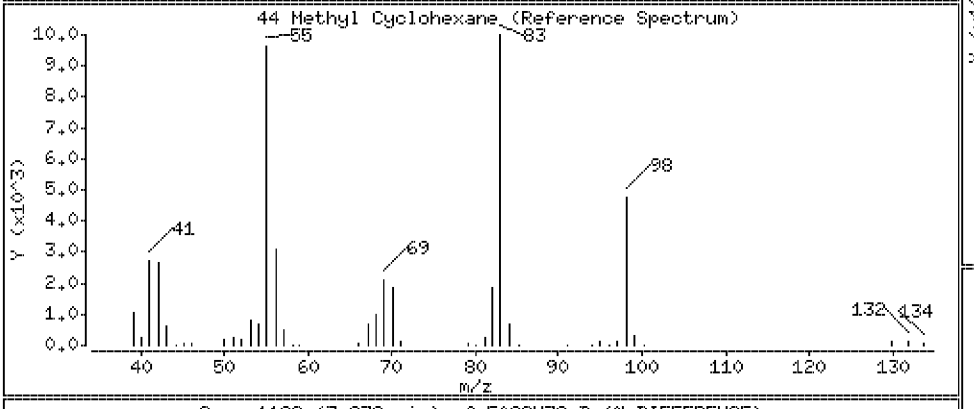
Purge Volume: 5.0 Operator:

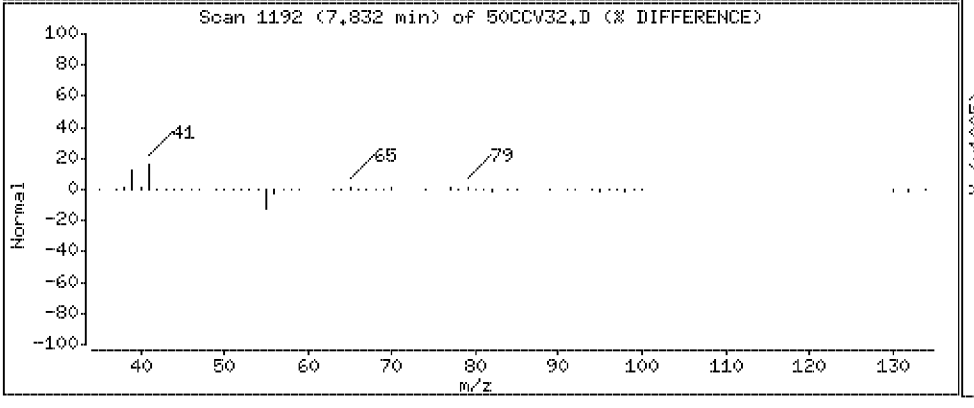
Column phase: DB-624 Column diameter: 0.18

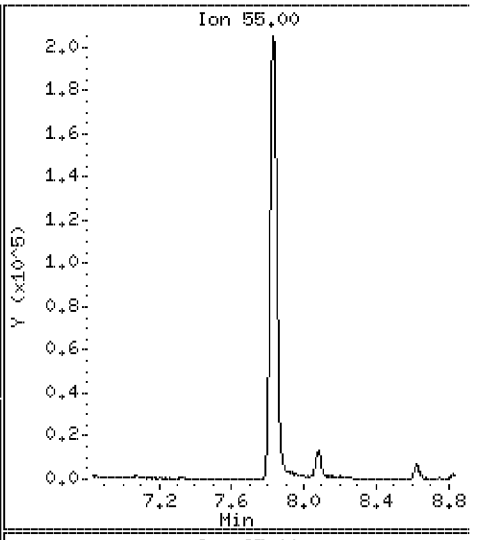
44 Methyl Cyclohexane Concentration: 49.1 ug/l

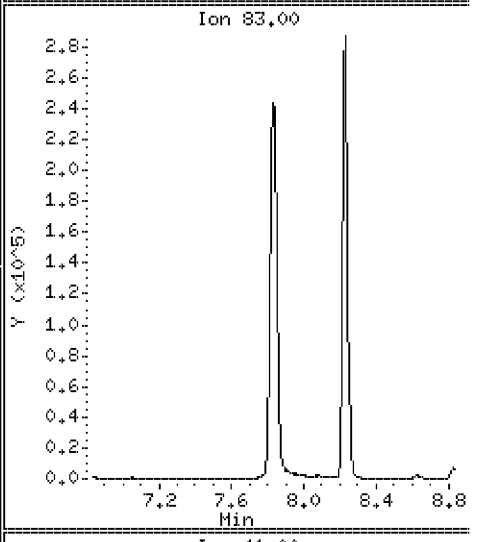


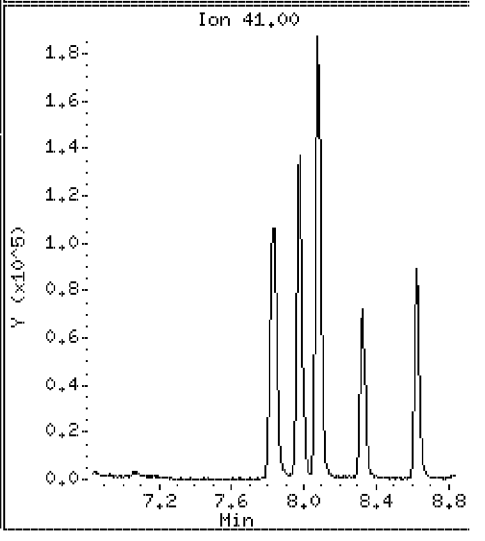












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

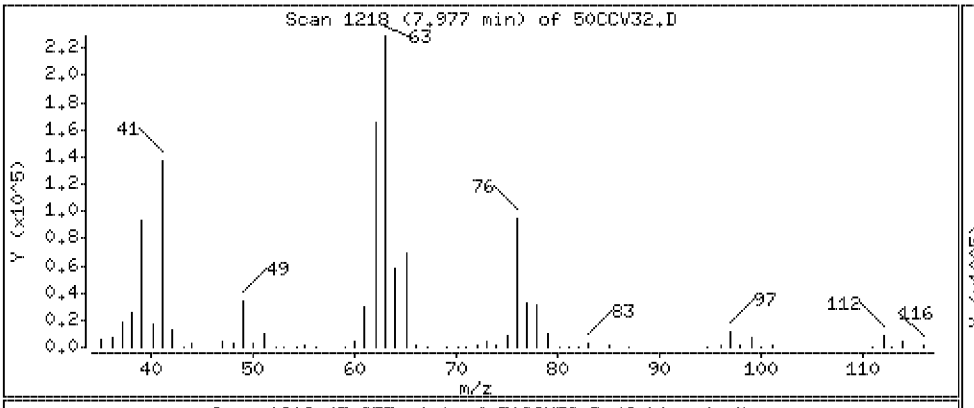
Client ID: 082107CCVA32 Instrument: vms03.i

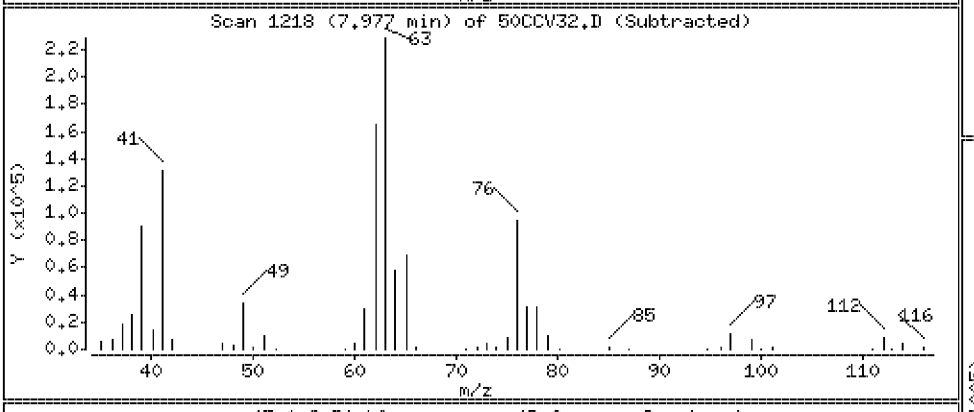
Sample Info: 082107CCVA32

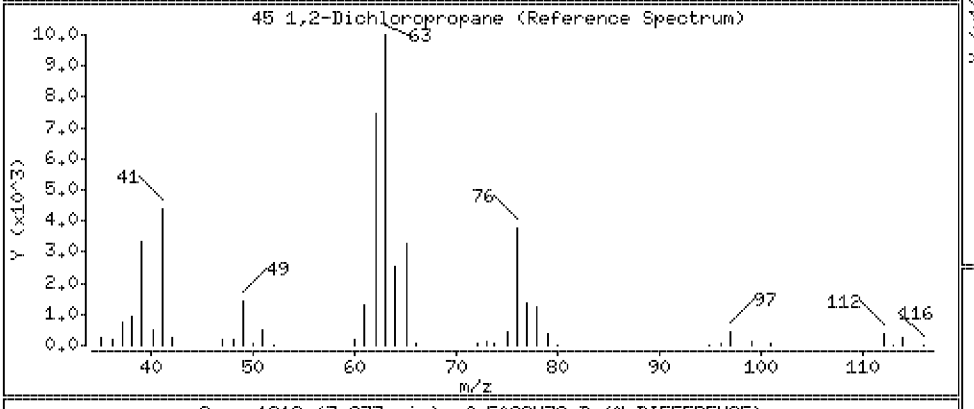
Purge Volume: 5.0 Operator:

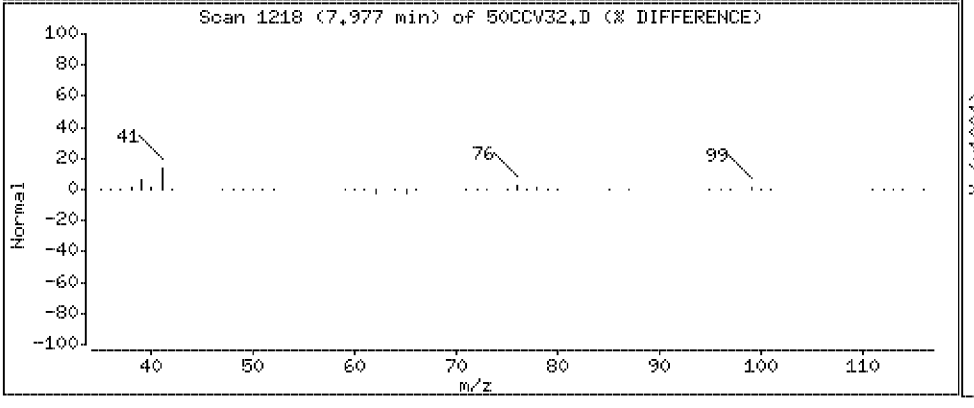
Column phase: DB-624 Column diameter: 0.18

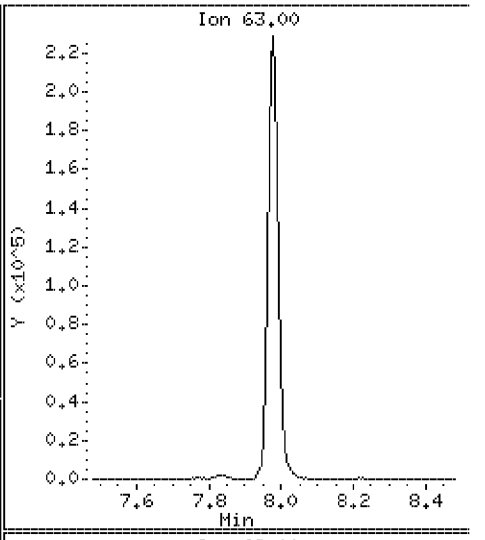
45 1,2-Dichloropropane Concentration: 49.5 ug/l

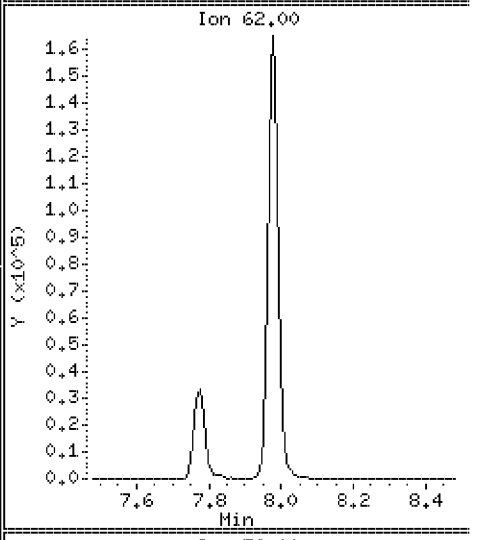


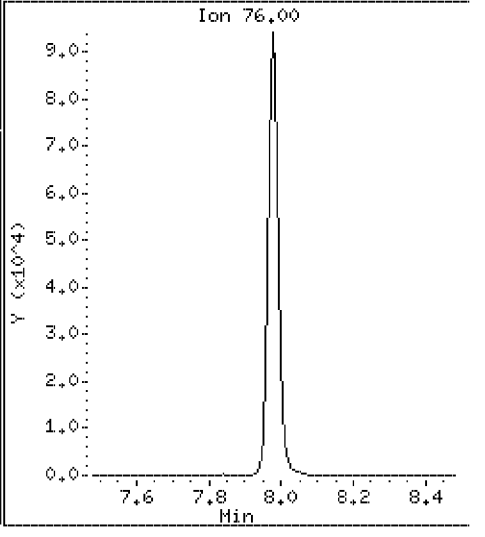












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

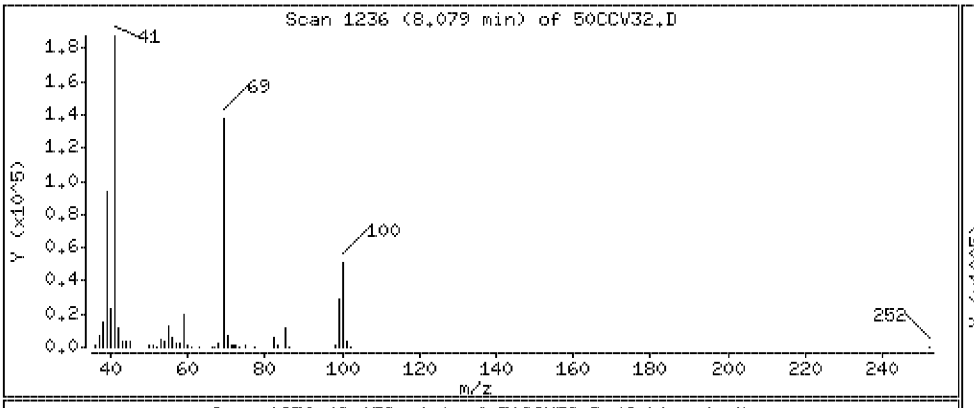
Client ID: 082107CCVA32 Instrument: vms03.i

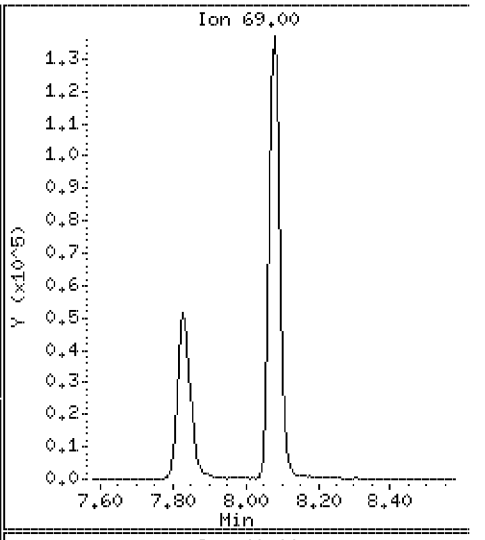
Sample Info: 082107CCVA32

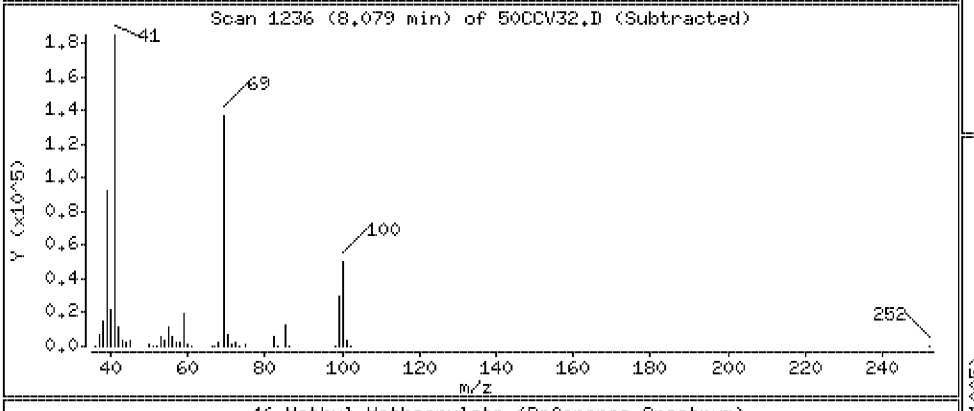
Purge Volume: 5.0 Operator:

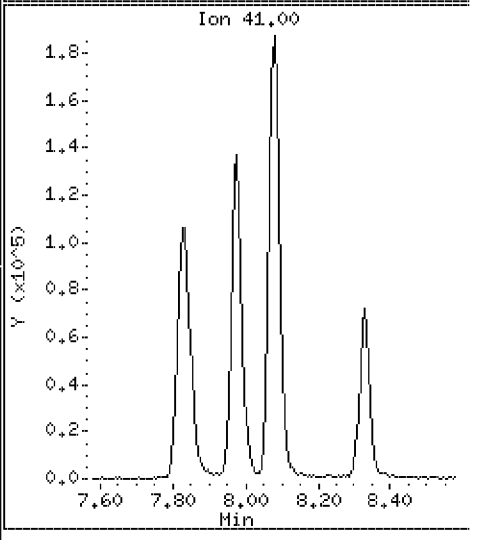
Column phase: DB-624 Column diameter: 0.18

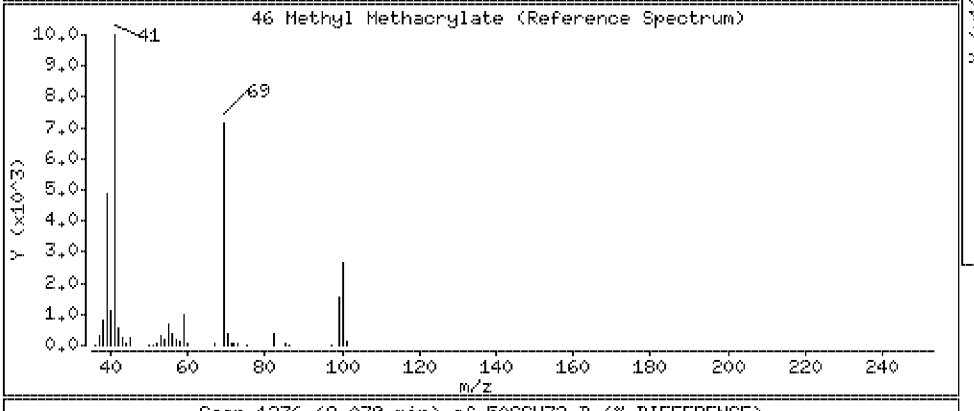
46 Methyl Methacrylate Concentration: 47.3 ug/l

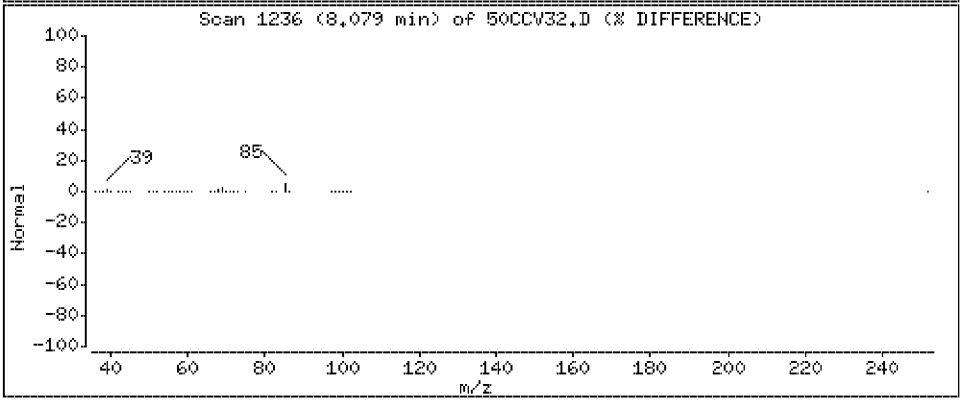












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

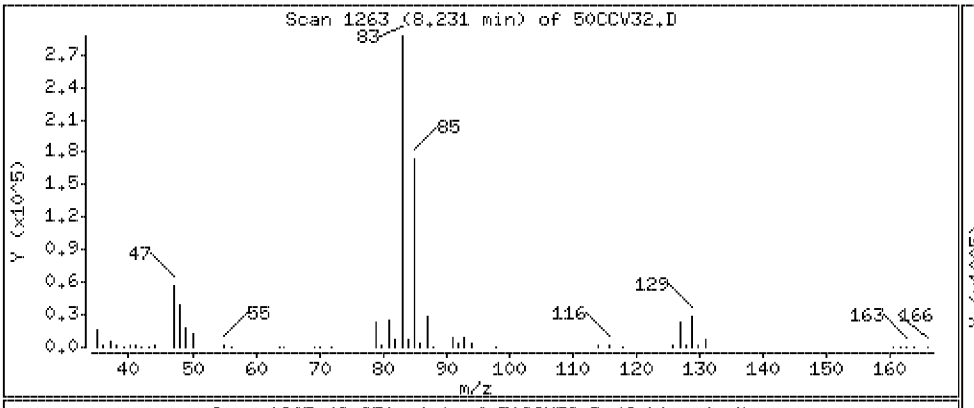
Client ID: 082107CCVA32 Instrument: vms03.i

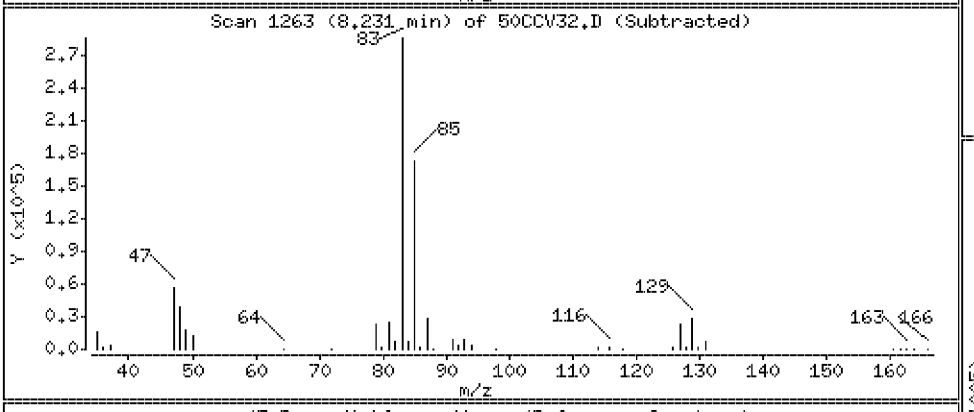
Sample Info: 082107CCVA32

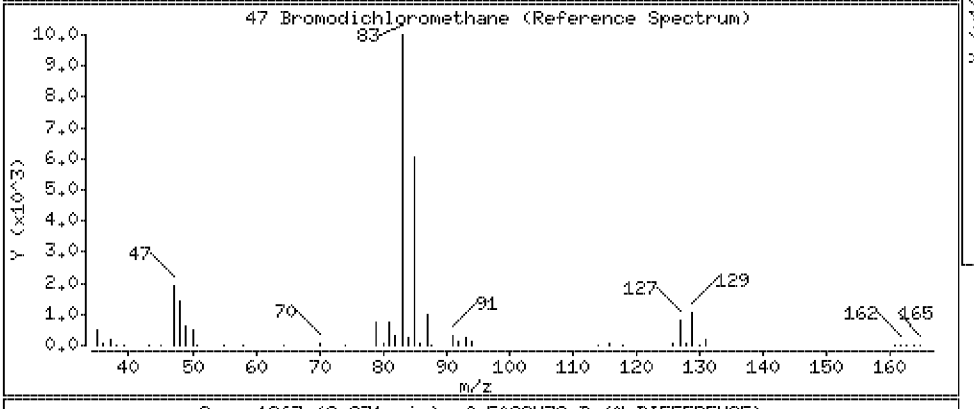
Purge Volume: 5.0 Operator:

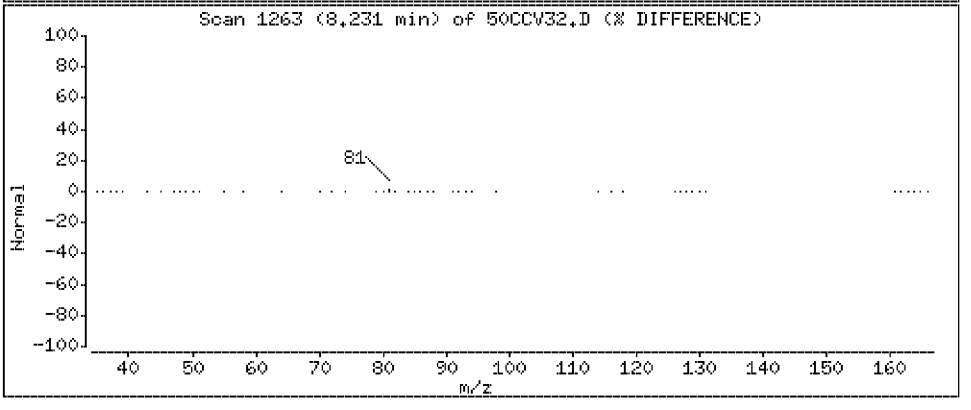
Column phase: DB-624 Column diameter: 0.18

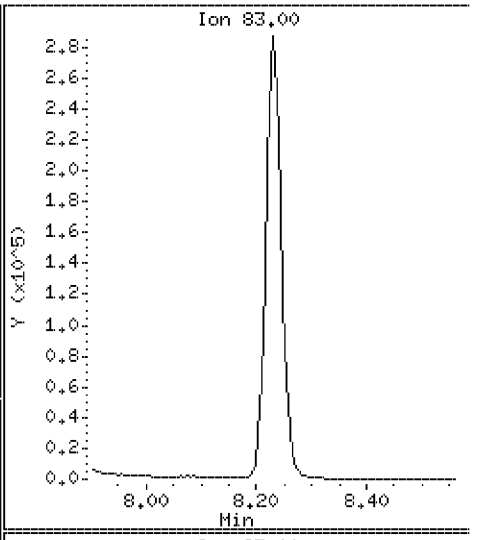
47 Bromodichloromethane Concentration: 49.9 ug/l

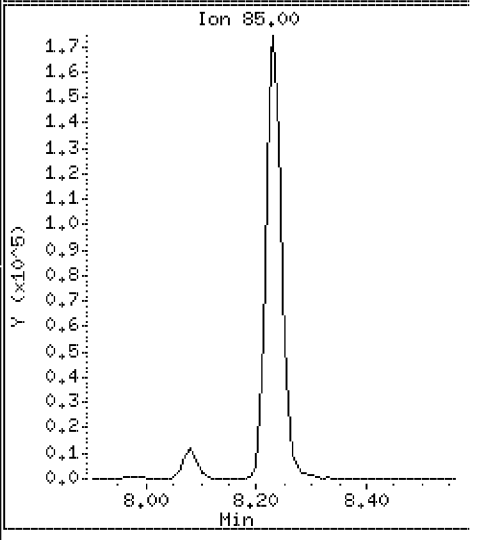












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

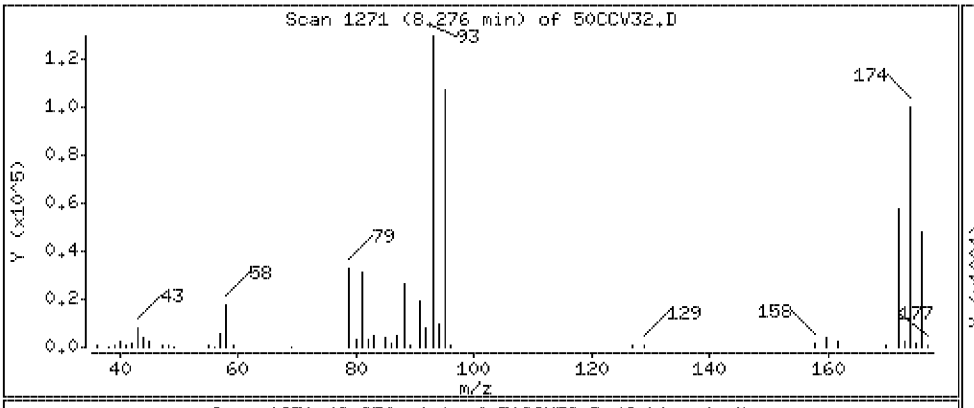
Client ID: 082107CCVA32 Instrument: vms03.i

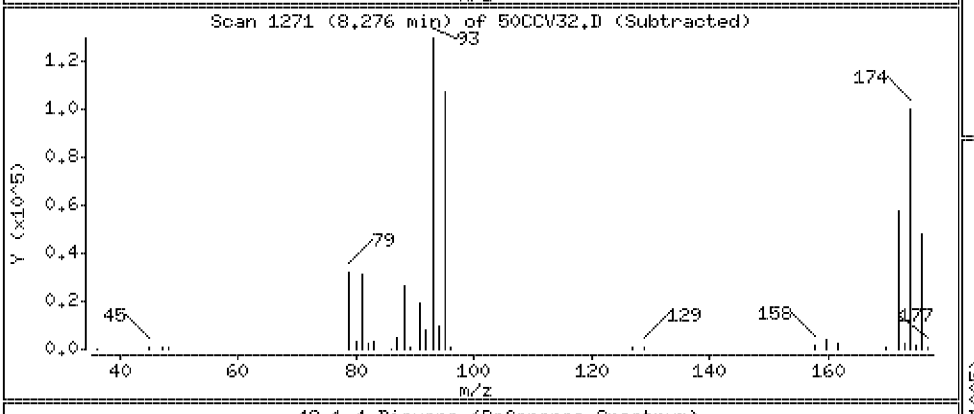
Sample Info: 082107CCVA32

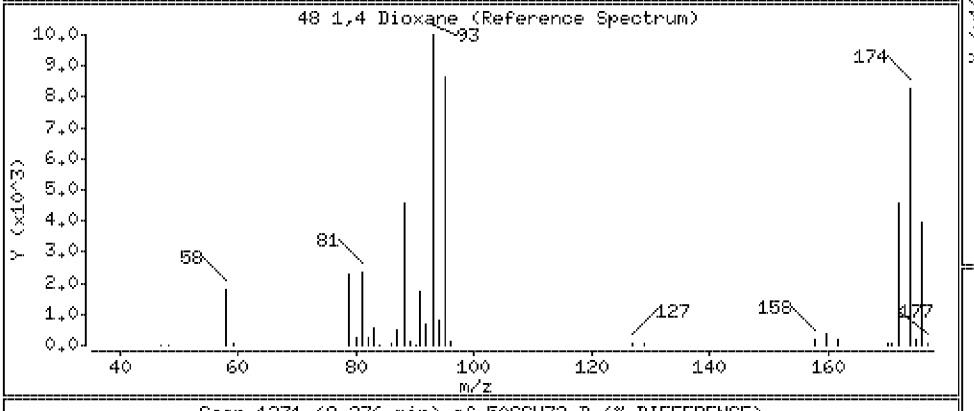
Purge Volume: 5.0 Operator:

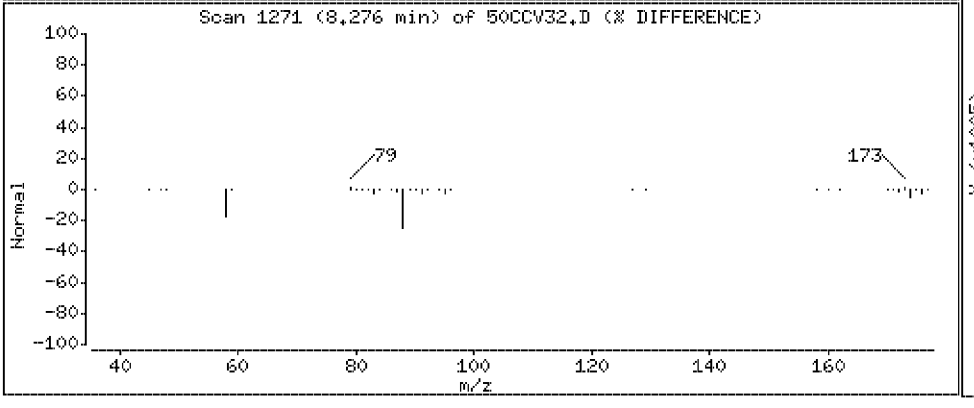
Column phase: DB-624 Column diameter: 0.18

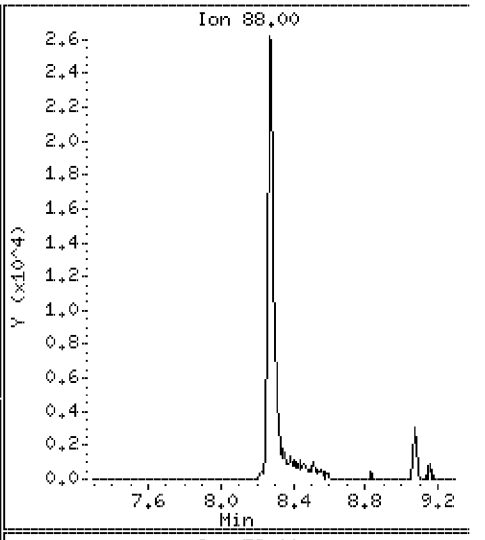
48 1,4 Dioxane Concentration: 926 ug/l

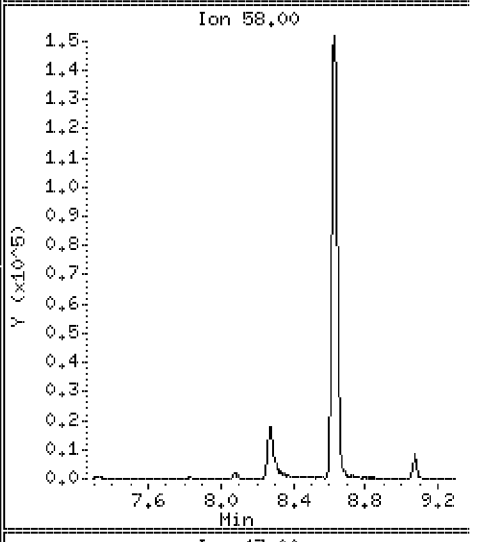


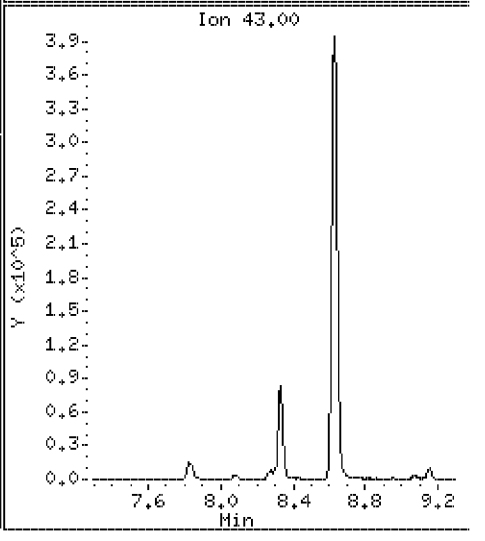












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

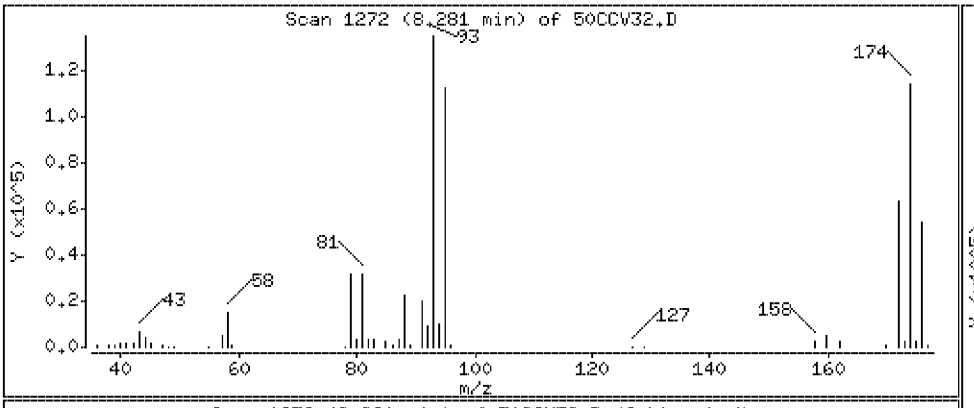
Client ID: 082107CCVA32 Instrument: vms03.i

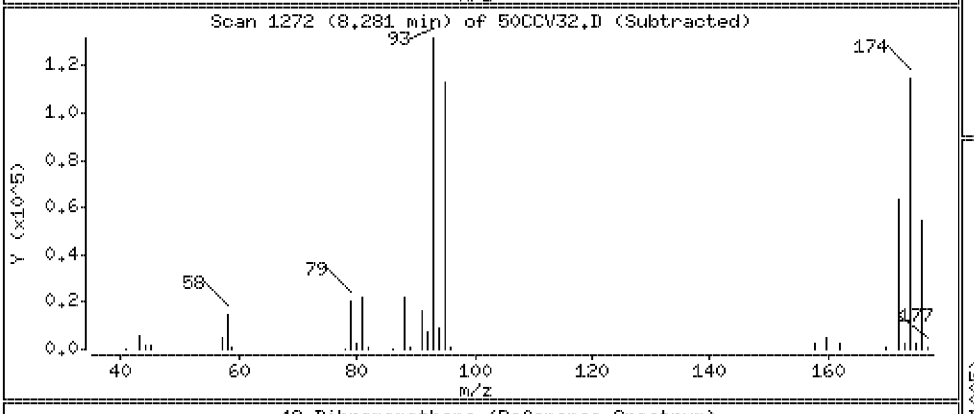
Sample Info: 082107CCVA32

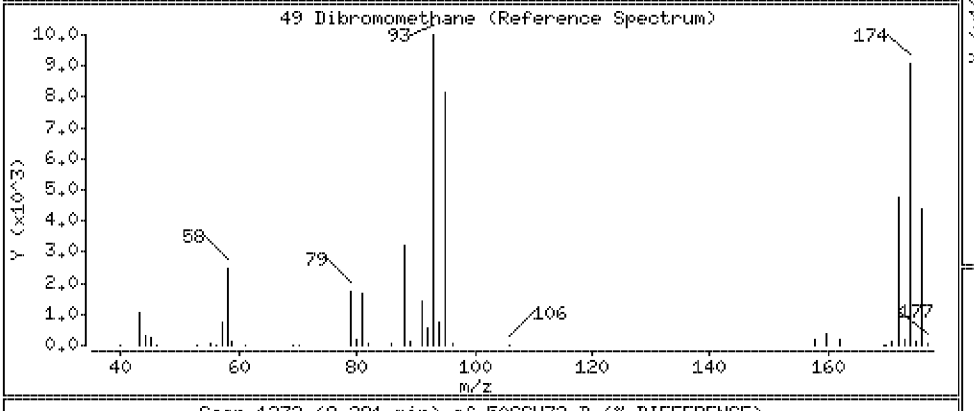
Purge Volume: 5.0 Operator:

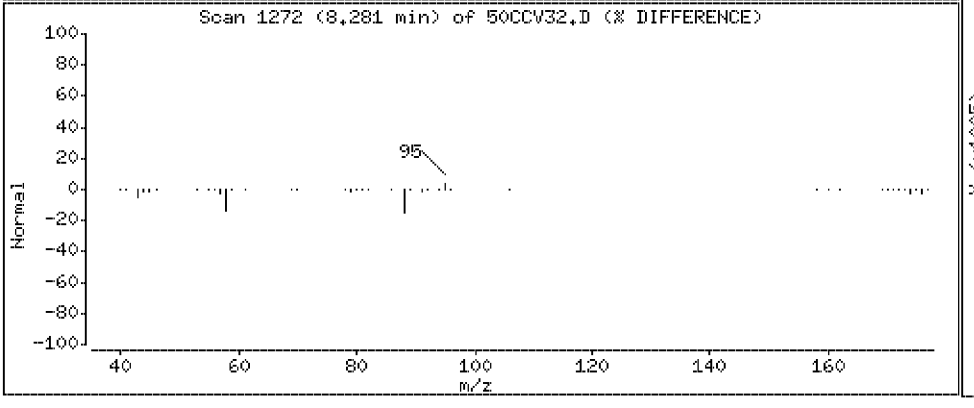
Column phase: DB-624 Column diameter: 0.18

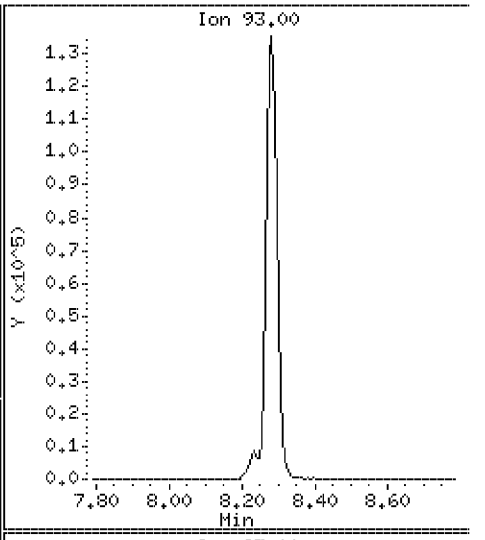
49 Dibromomethane Concentration: 46.0 ug/l

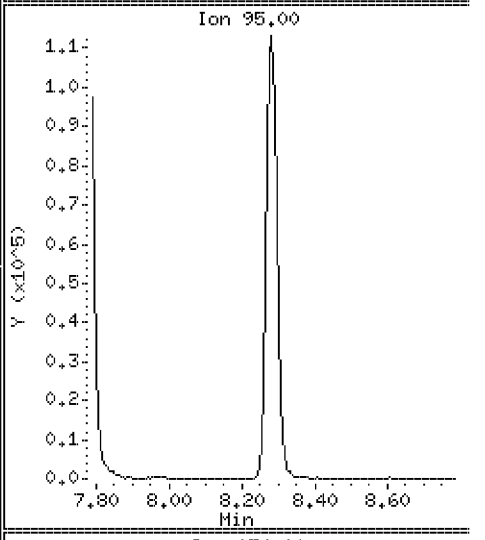


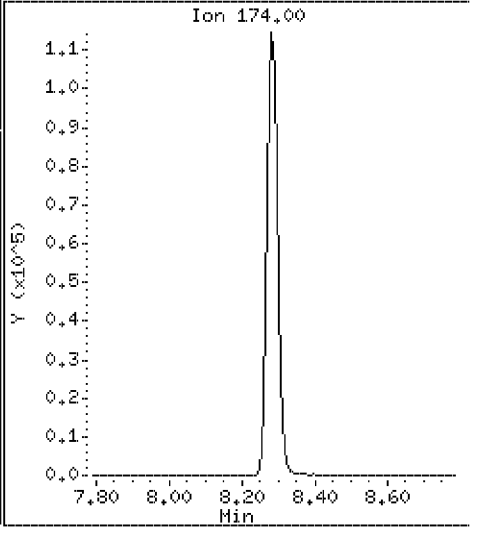












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

Client ID: 082107CCVA32

Instrument: vms03.i

Sample Info: 082107CCVA32

Purge Volume: 5.0

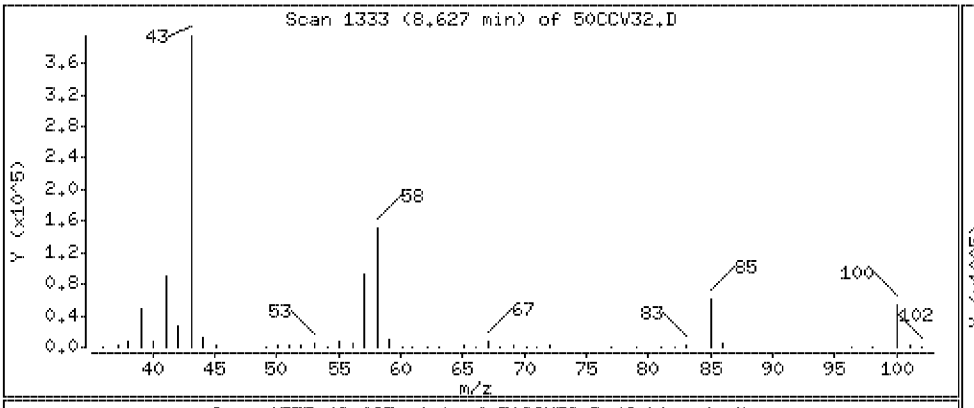
Operator:

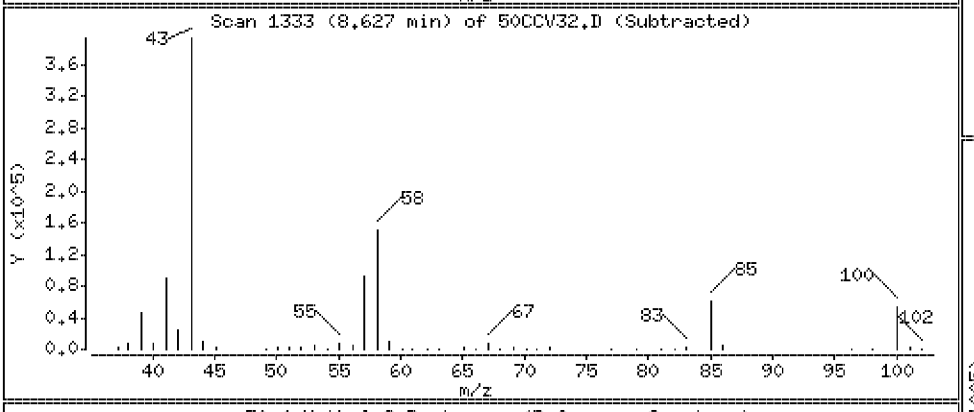
Column phase: DB-624

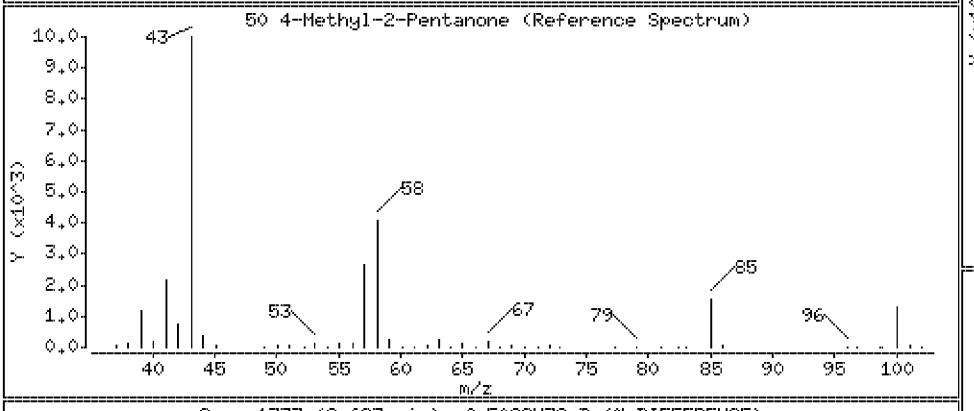
Column diameter: 0.18

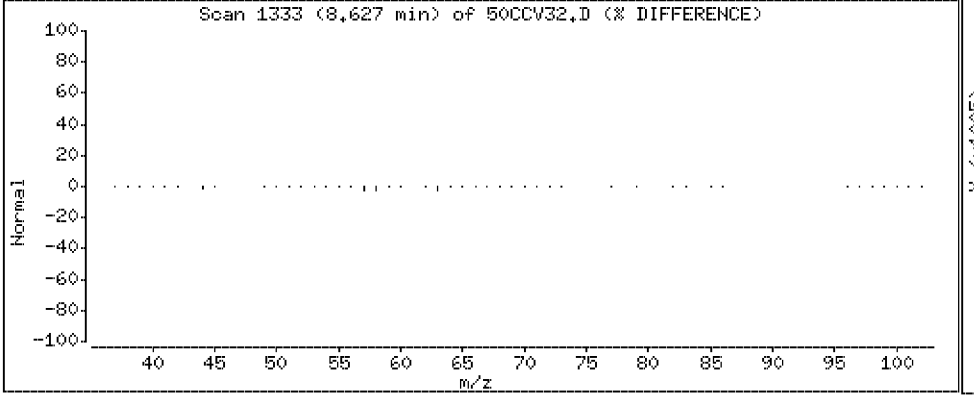
50 4-Methyl-2-Pentanone

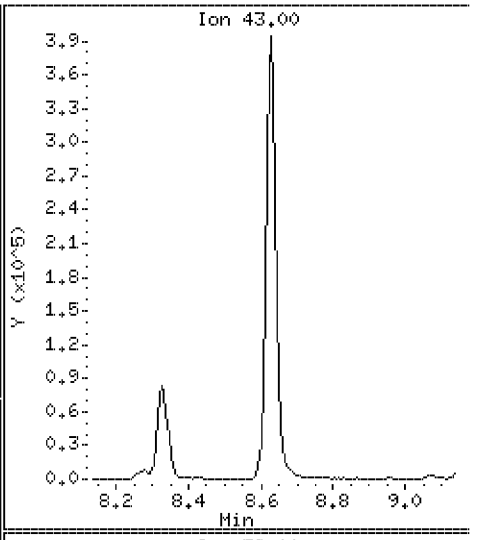
Concentration: 84.1 ug/l

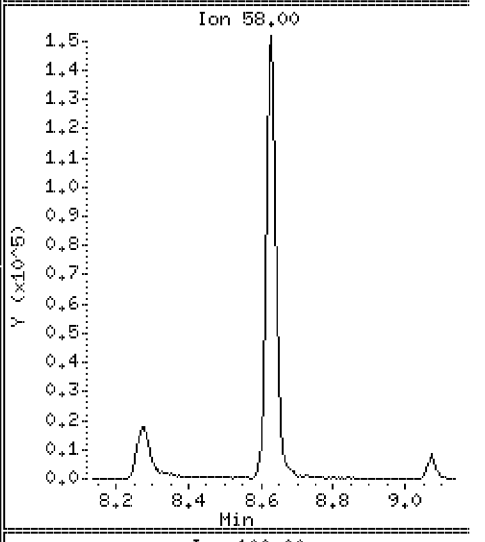


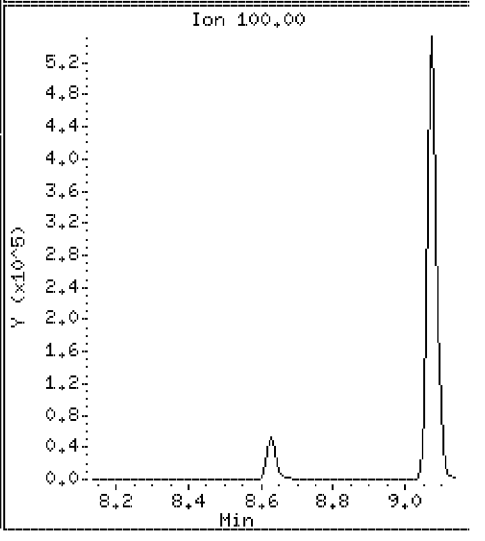












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

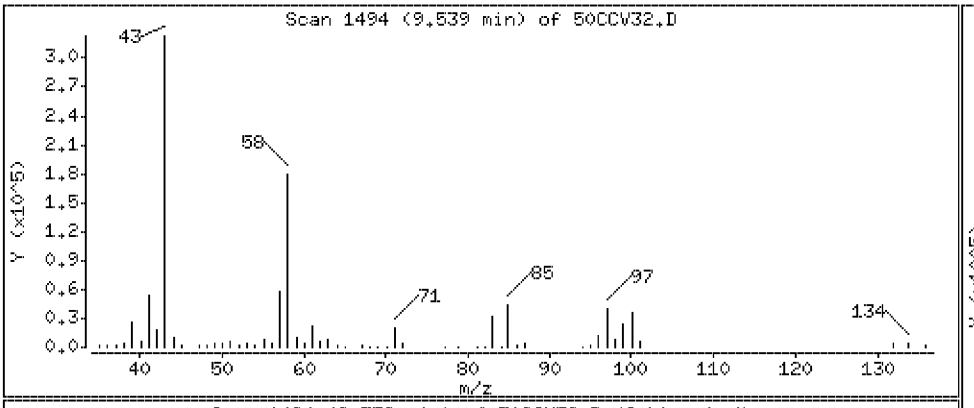
Client ID: 082107CCVA32 Instrument: vms03.i

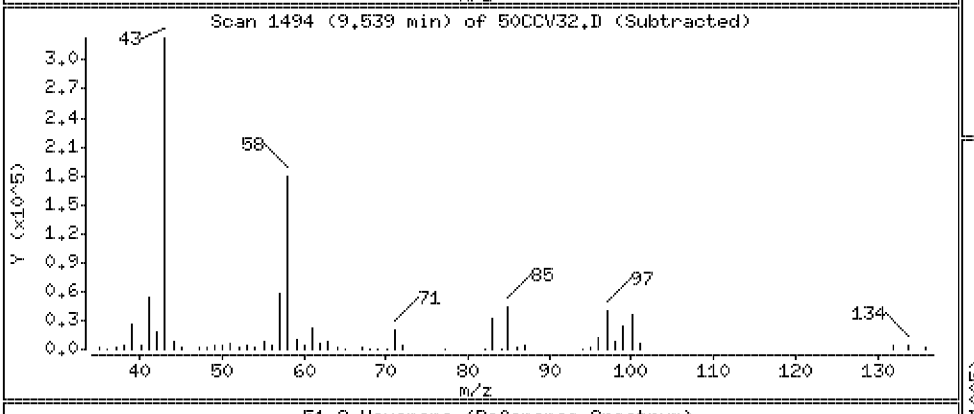
Sample Info: 082107CCVA32

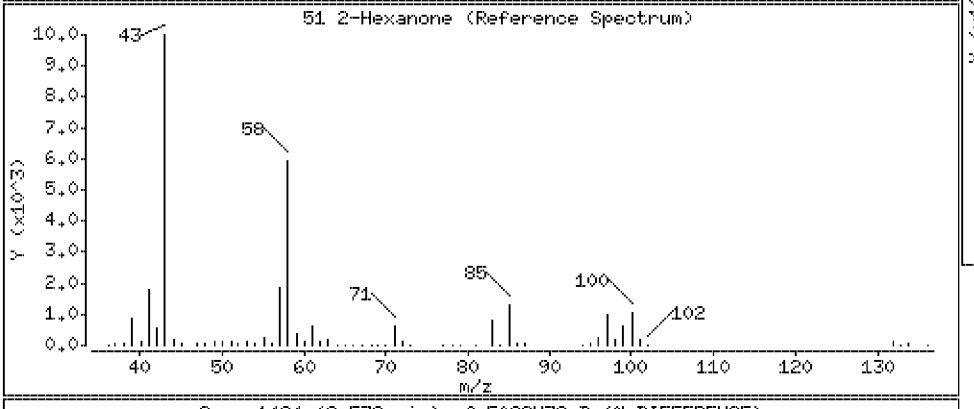
Purge Volume: 5.0 Operator:

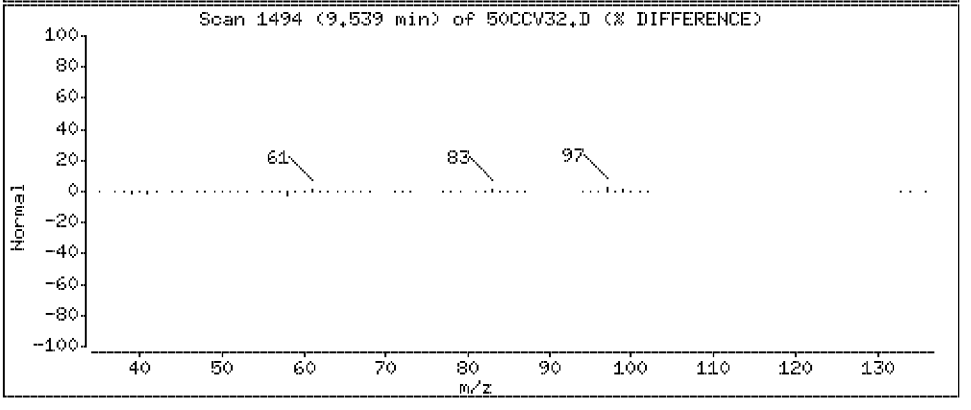
Column phase: DB-624 Column diameter: 0.18

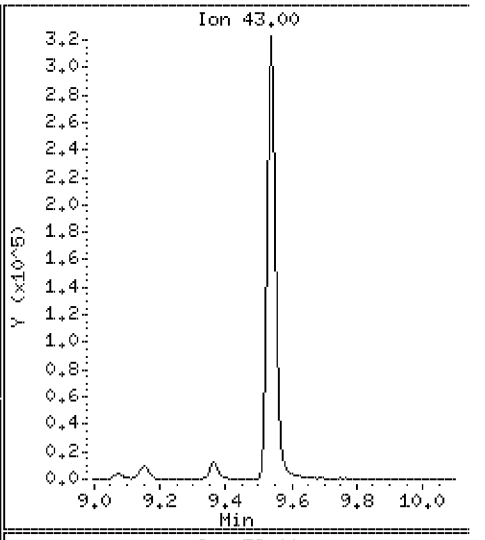
51 2-Hexanone Concentration: 84.4 ug/l

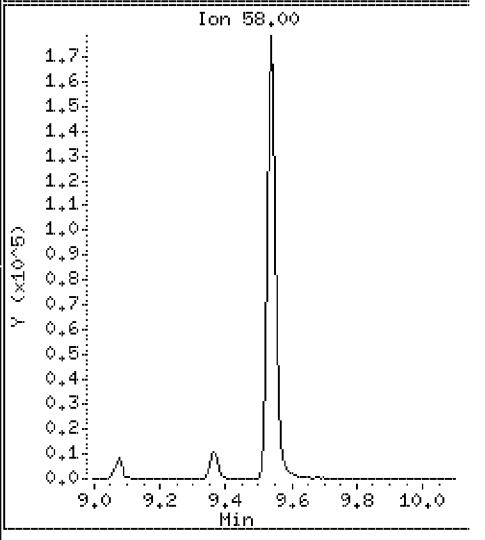












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

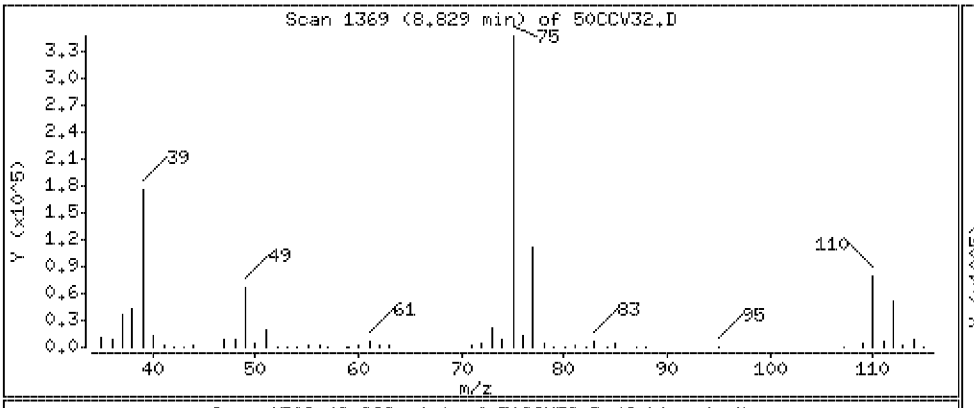
Client ID: 082107CCVA32 Instrument: vms03.i

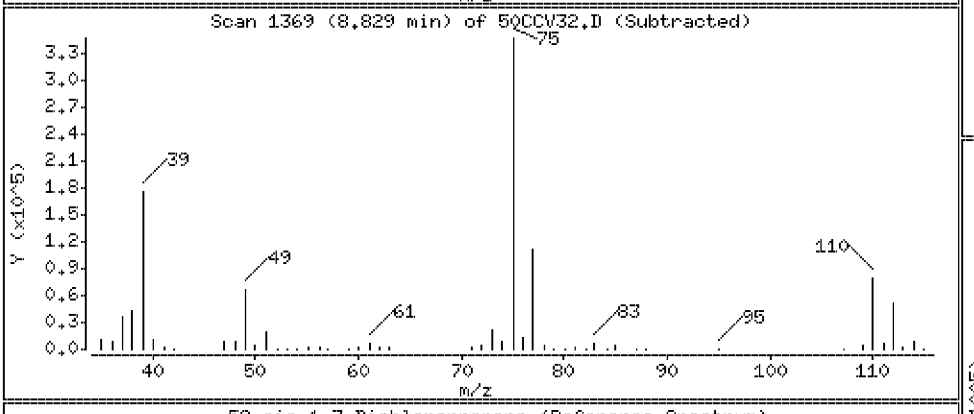
Sample Info: 082107CCVA32

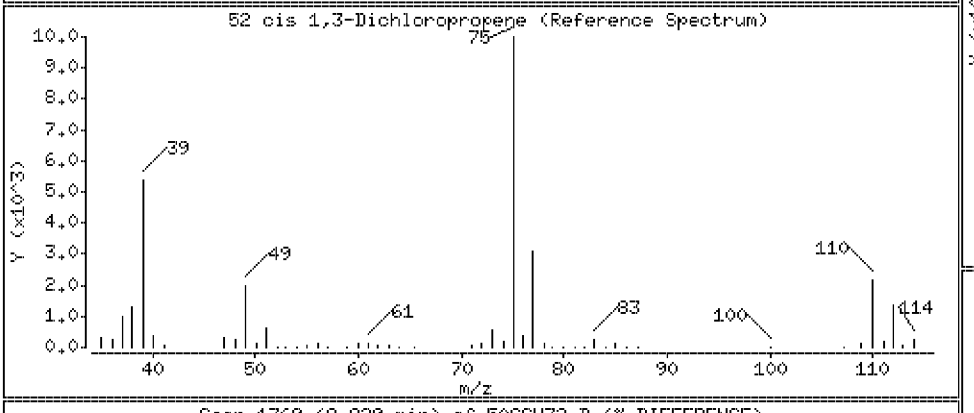
Purge Volume: 5.0 Operator:

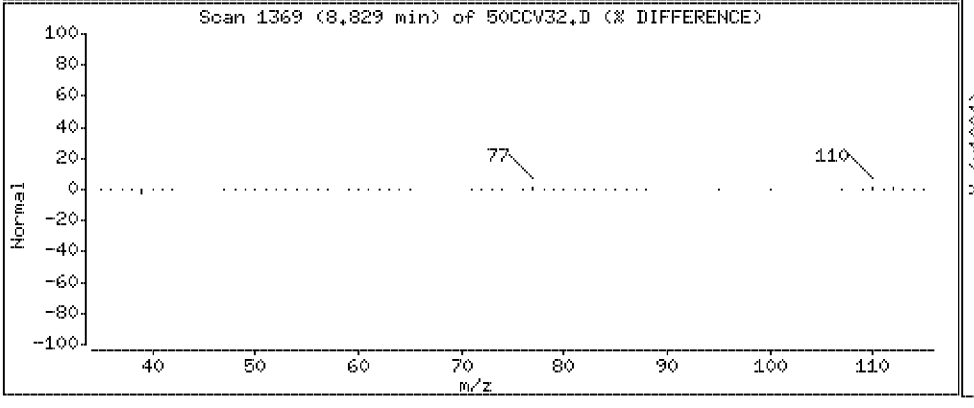
Column phase: DB-624 Column diameter: 0.18

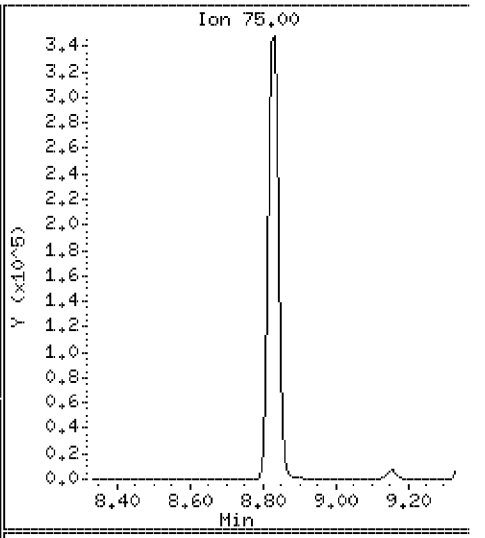
52 cis 1,3-Dichloropropene Concentration: 45.2 ug/l

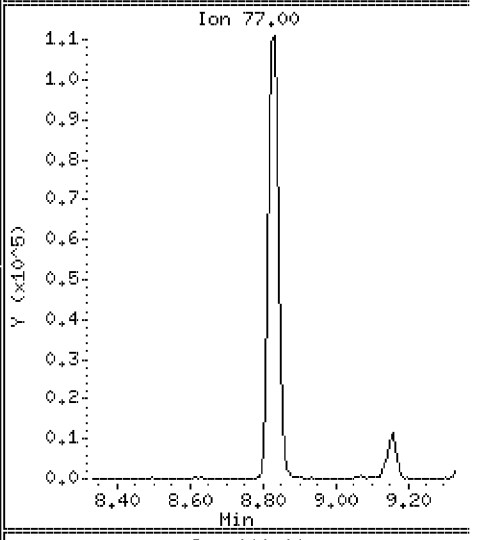


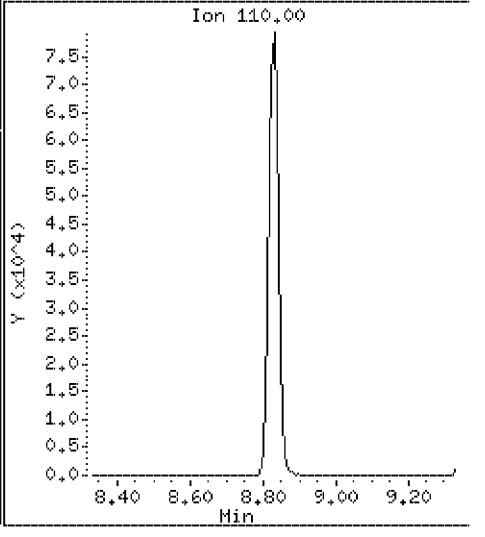












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

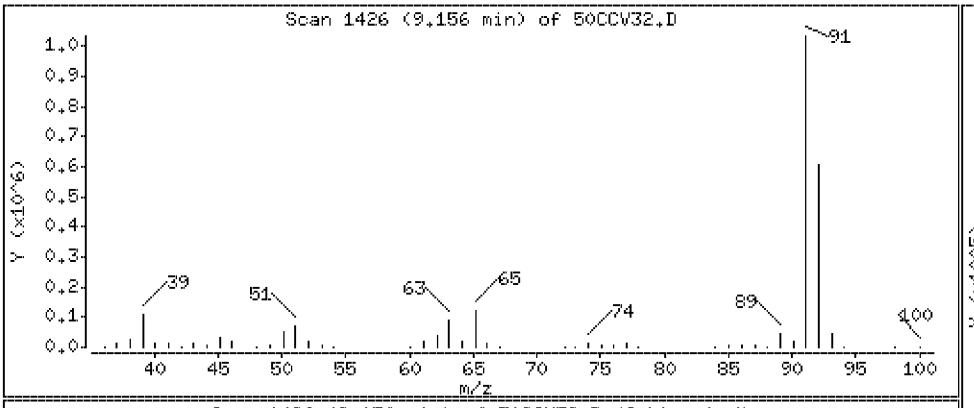
Client ID: 082107CCVA32 Instrument: vms03.i

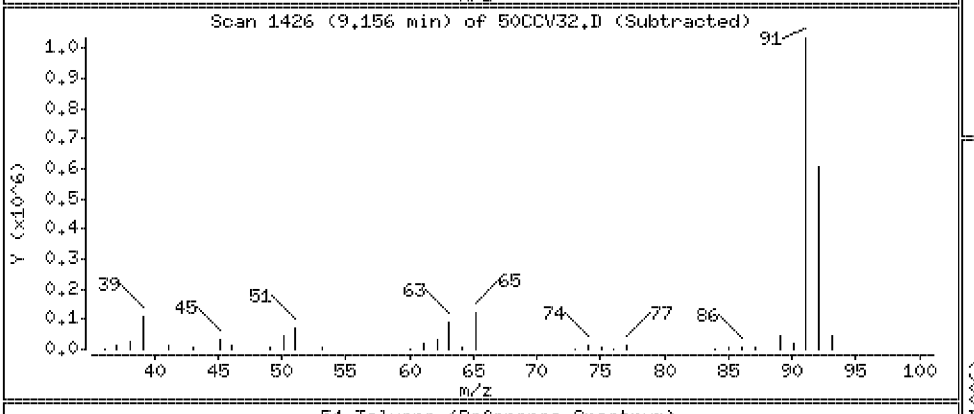
Sample Info: 082107CCVA32

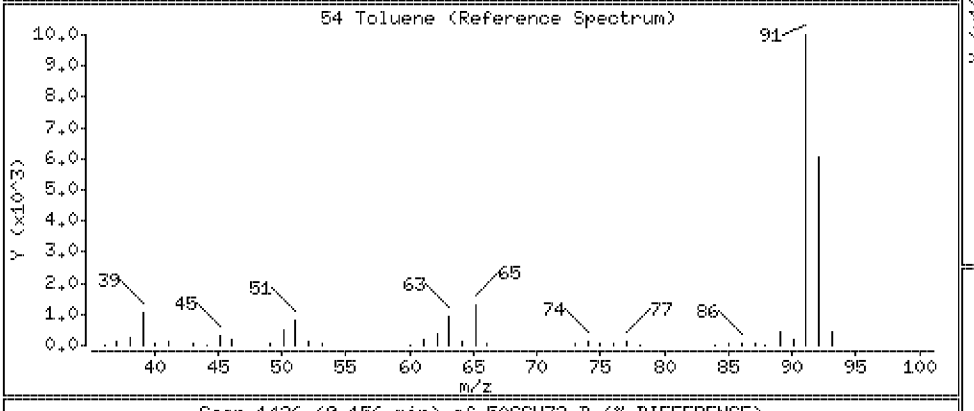
Purge Volume: 5.0 Operator:

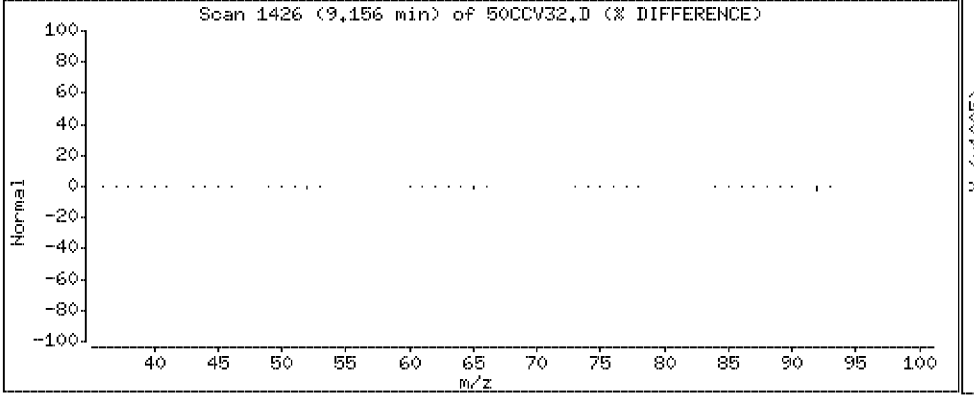
Column phase: DB-624 Column diameter: 0.18

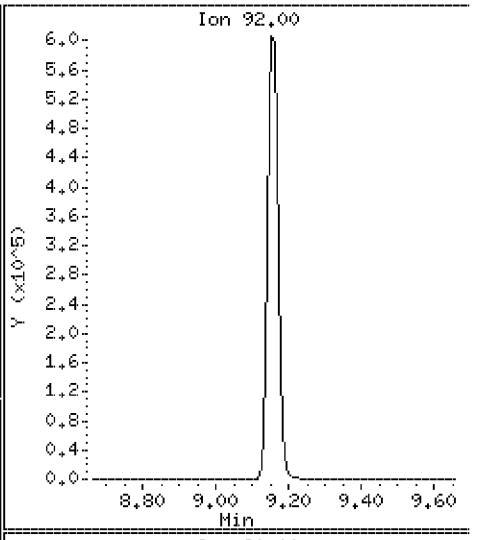
54 Toluene Concentration: 49.3 ug/l

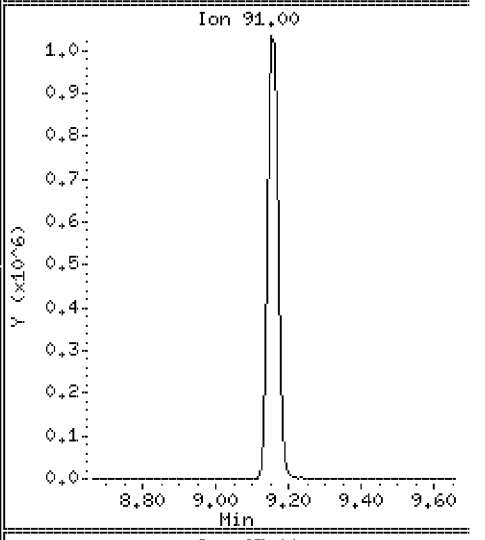


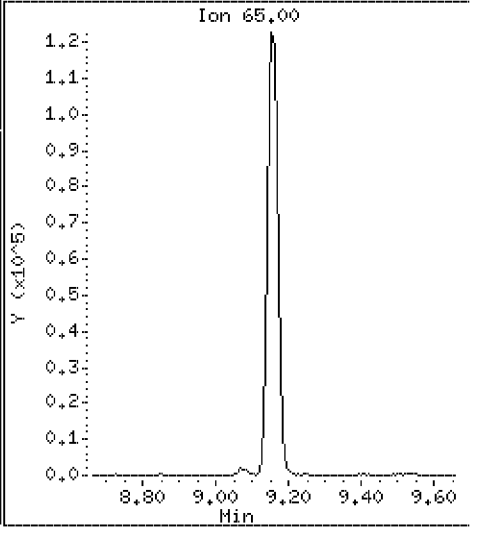












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

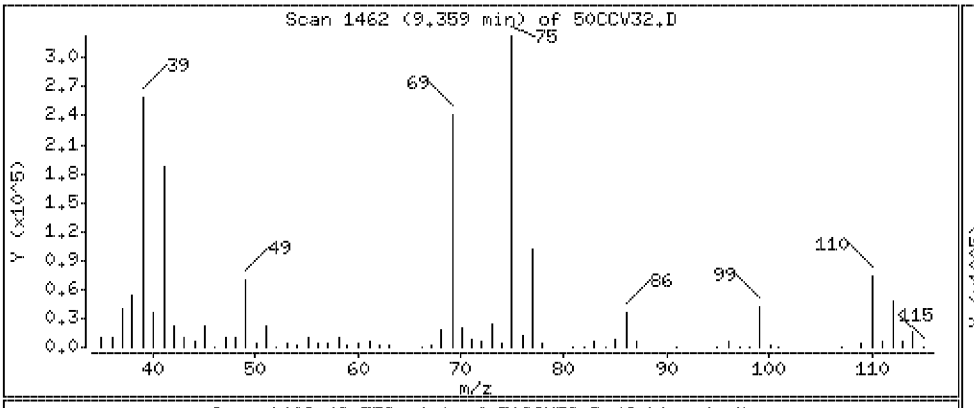
Client ID: 082107CCVA32 Instrument: vms03.i

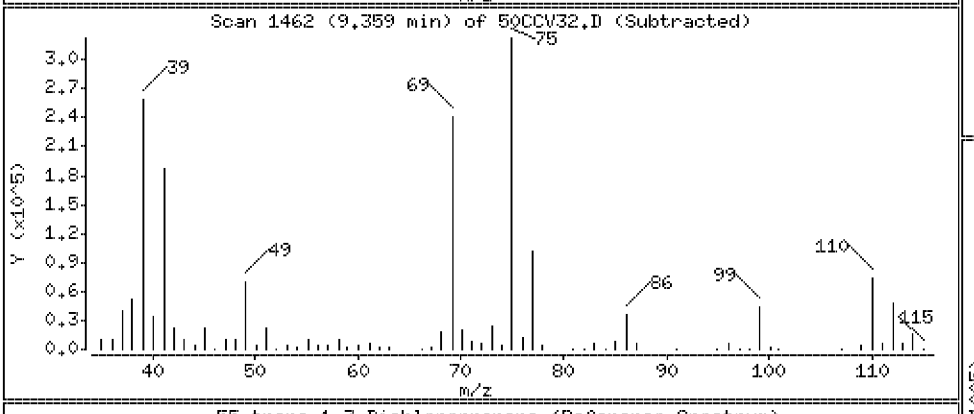
Sample Info: 082107CCVA32

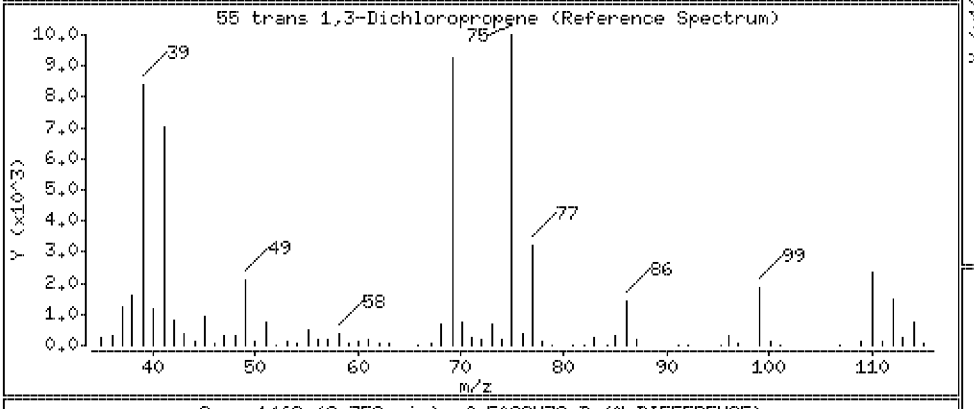
Purge Volume: 5.0 Operator:

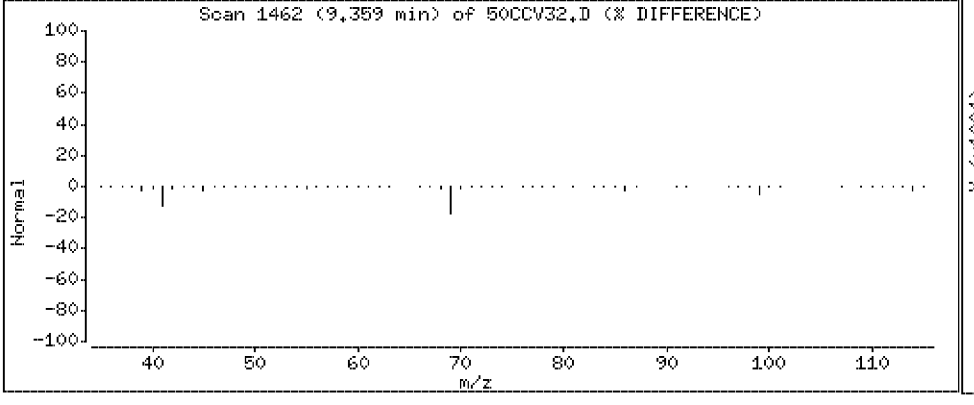
Column phase: DB-624 Column diameter: 0.18

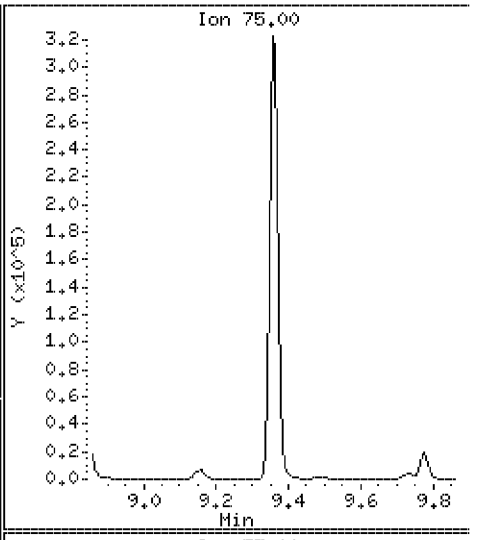
55 trans 1,3-Dichloropropene Concentration: 47.5 ug/l

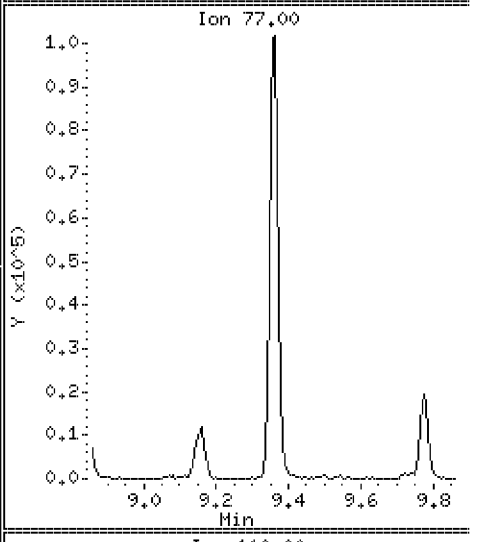


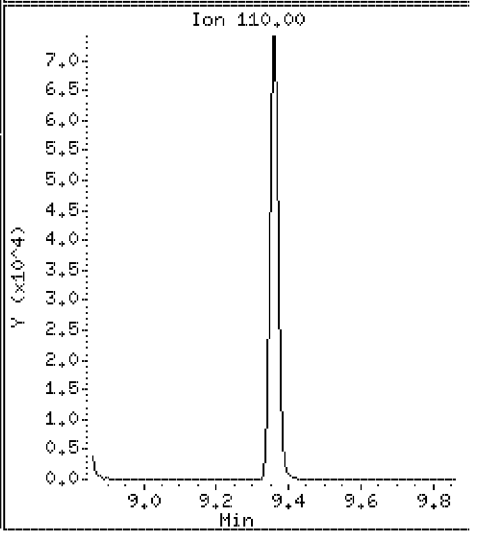












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

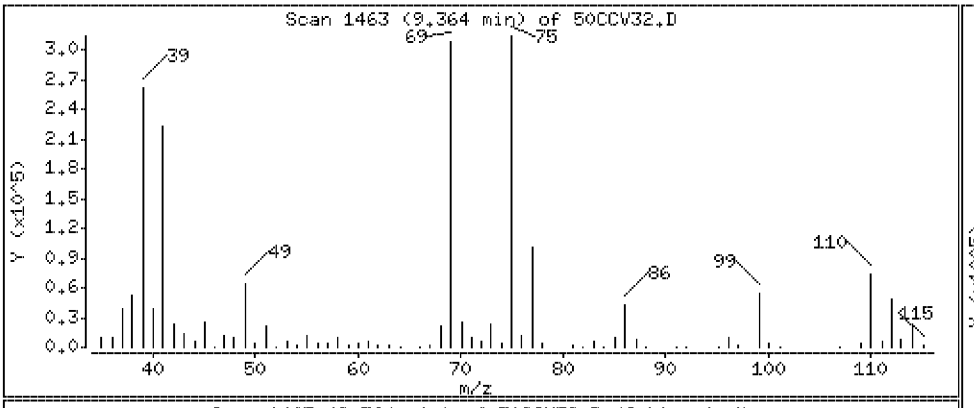
Client ID: 082107CCVA32 Instrument: vms03.i

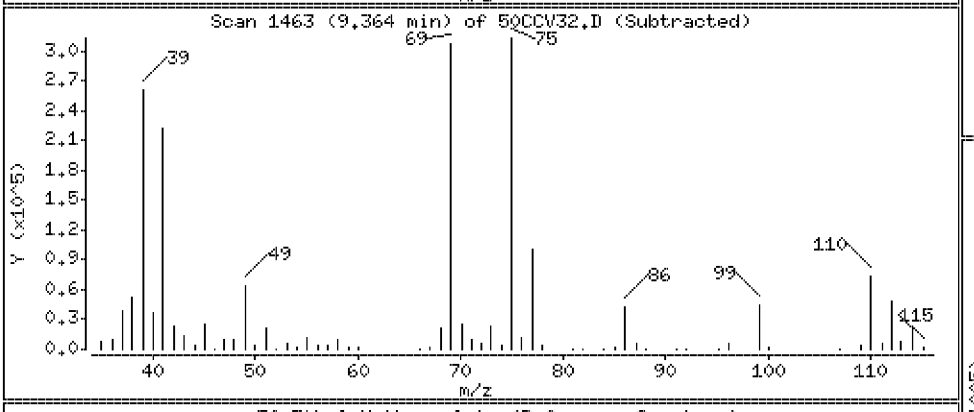
Sample Info: 082107CCVA32

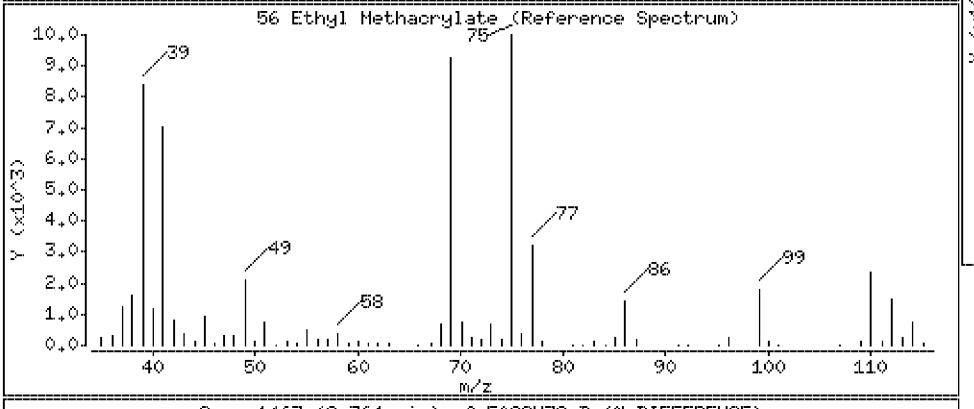
Purge Volume: 5.0 Operator:

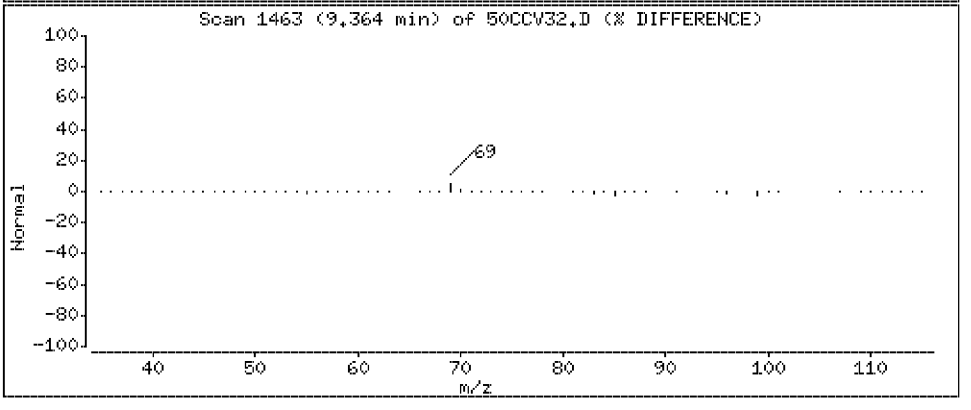
Column phase: DB-624 Column diameter: 0.18

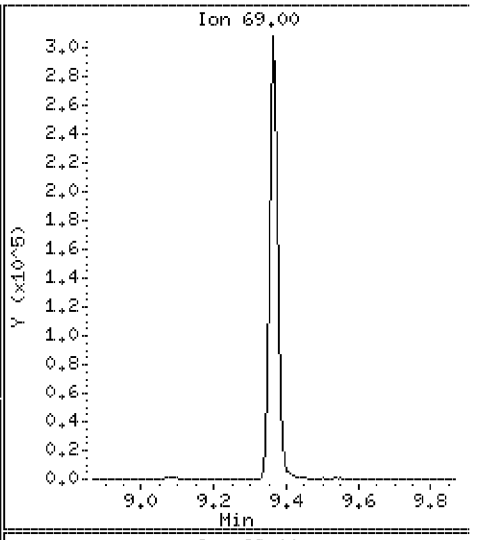
56 Ethyl Methacrylate Concentration: 51.1 ug/l

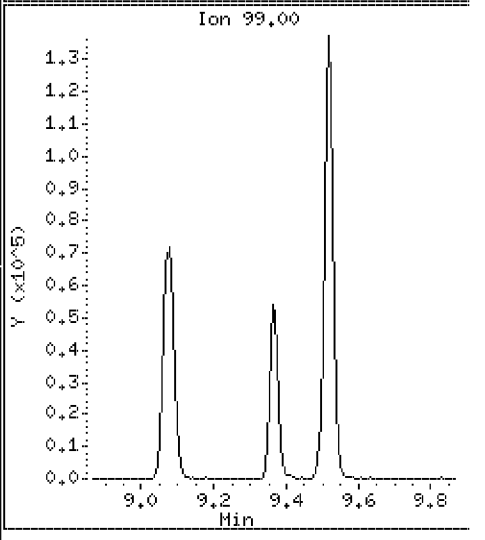












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

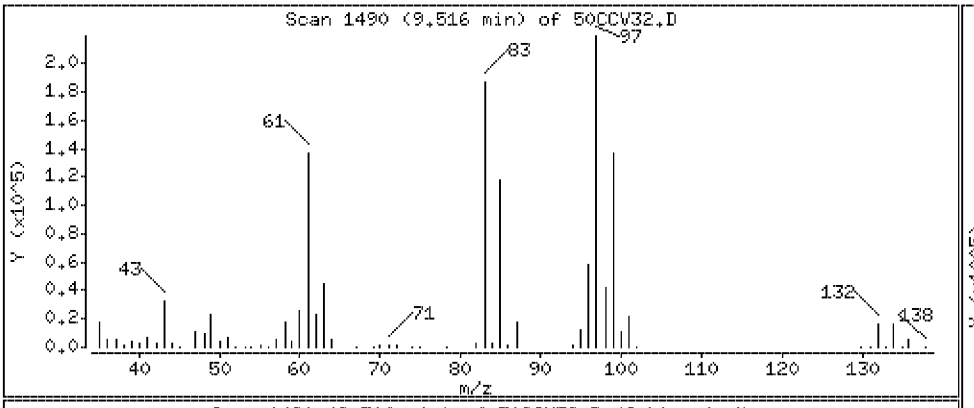
Client ID: 082107CCVA32 Instrument: vms03.i

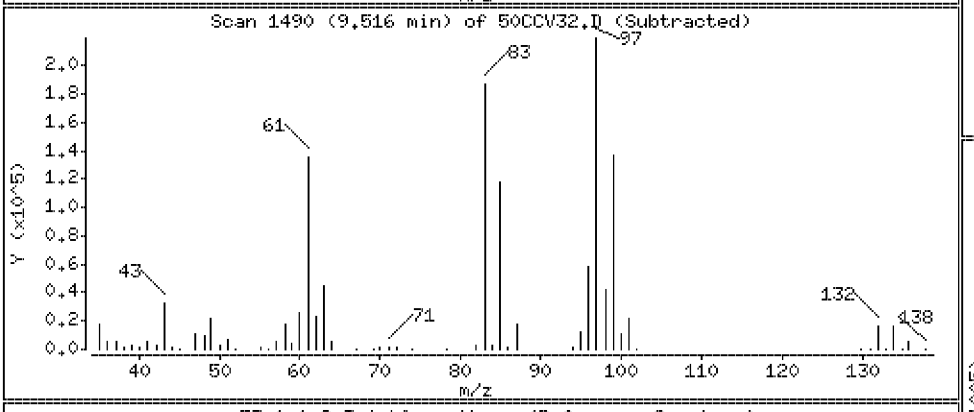
Sample Info: 082107CCVA32

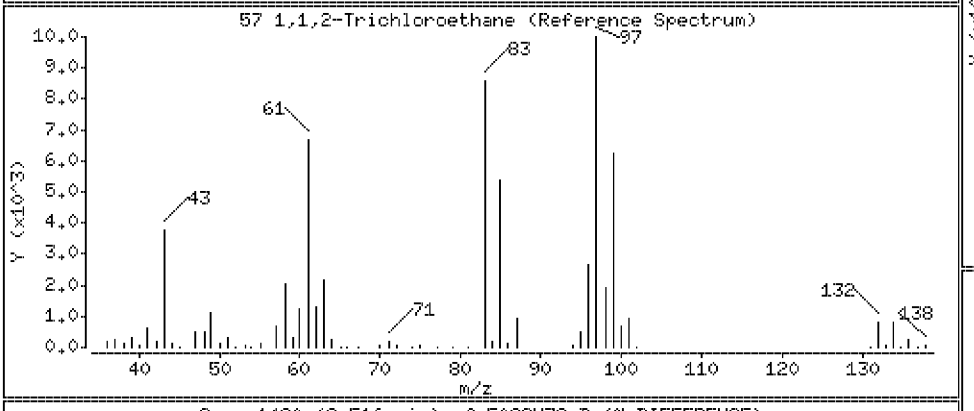
Purge Volume: 5.0 Operator:

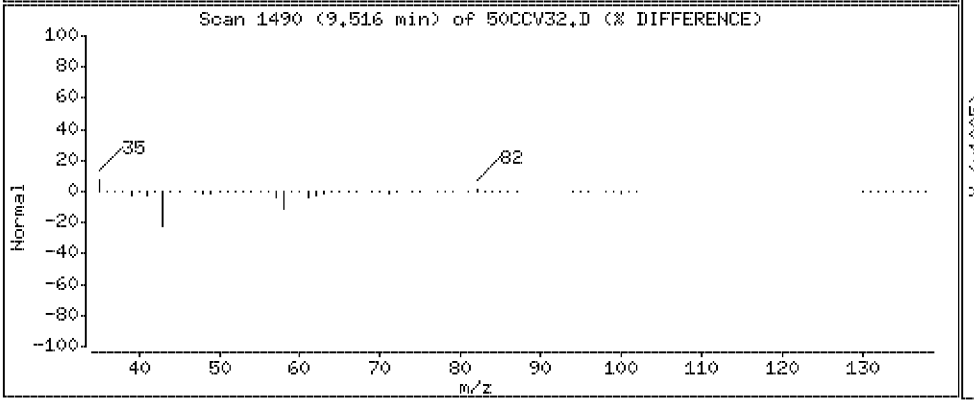
Column phase: DB-624 Column diameter: 0.18

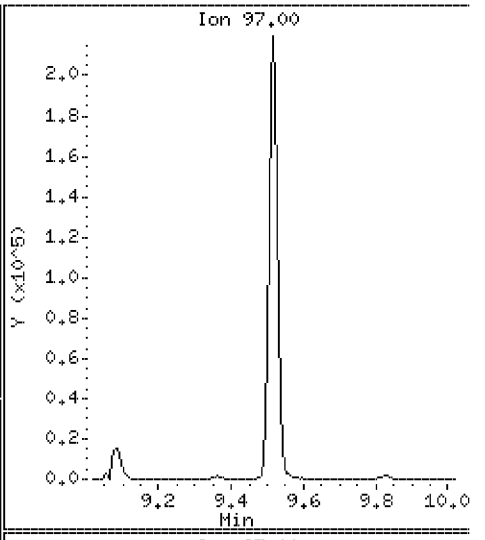
57 1,1,2-Trichloroethane Concentration: 48.7 ug/l

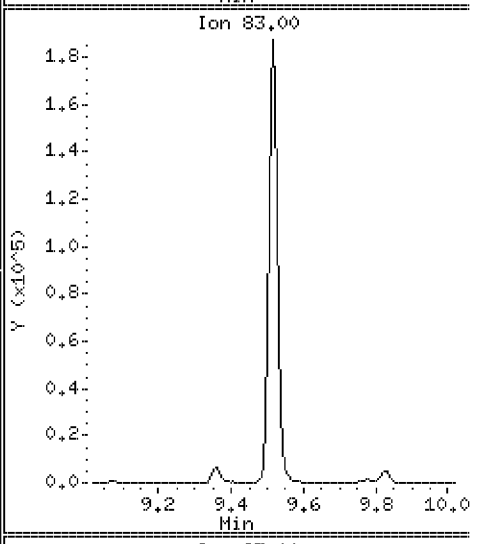


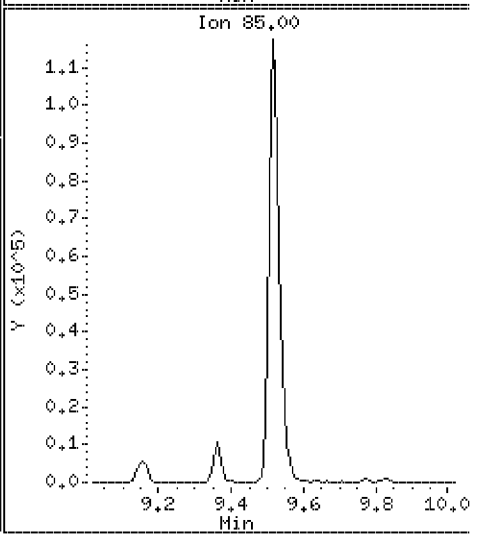












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

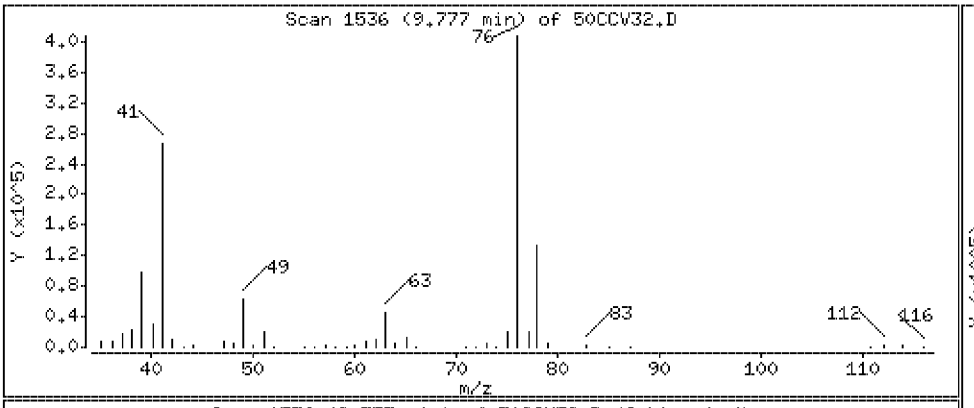
Client ID: 082107CCVA32 Instrument: vms03.i

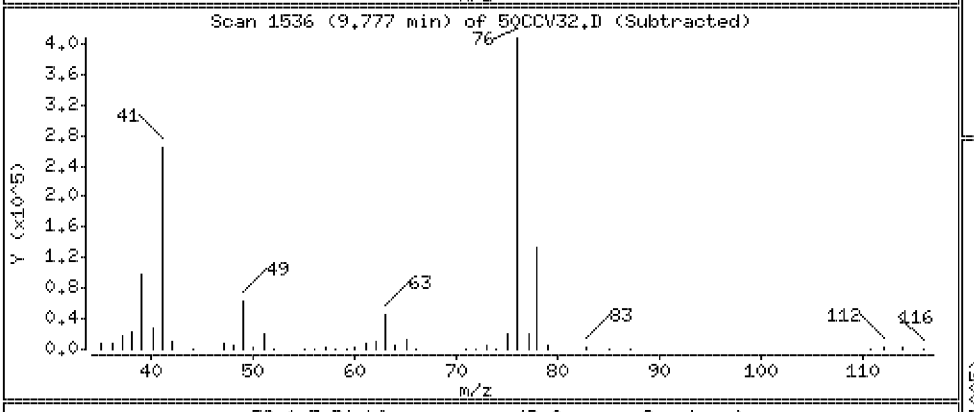
Sample Info: 082107CCVA32

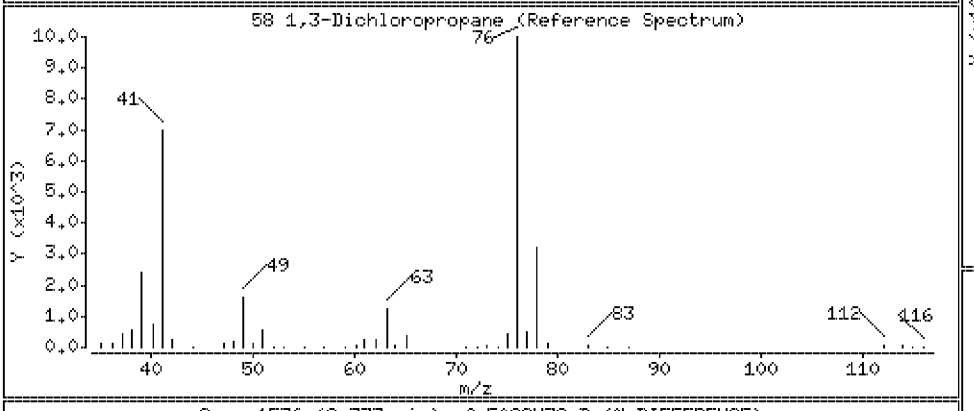
Purge Volume: 5.0 Operator:

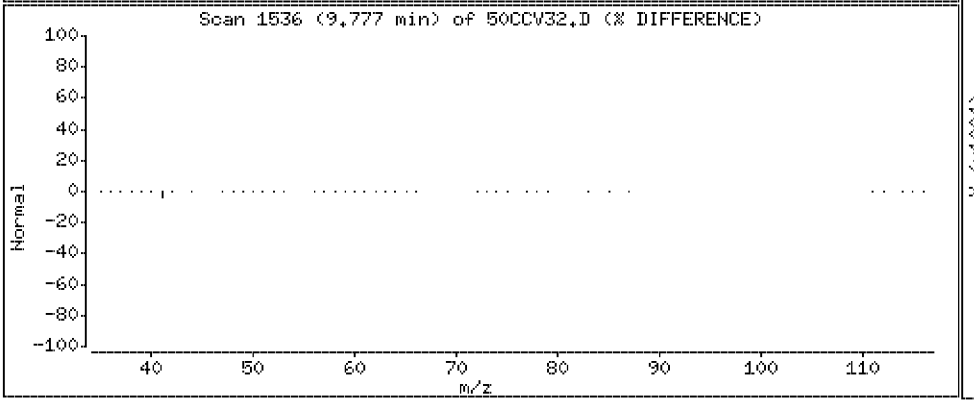
Column phase: DB-624 Column diameter: 0.18

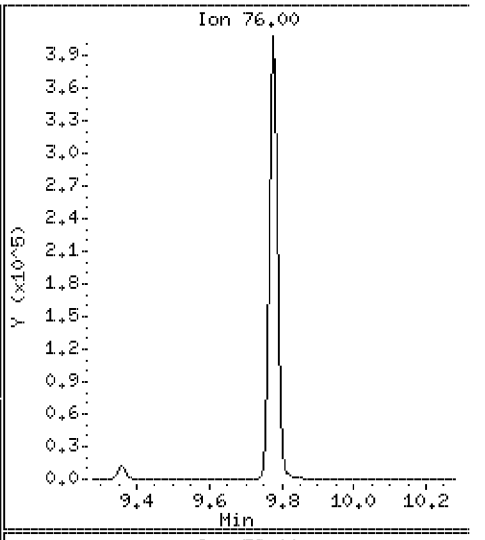
58 1,3-Dichloropropane Concentration: 48.4 ug/l

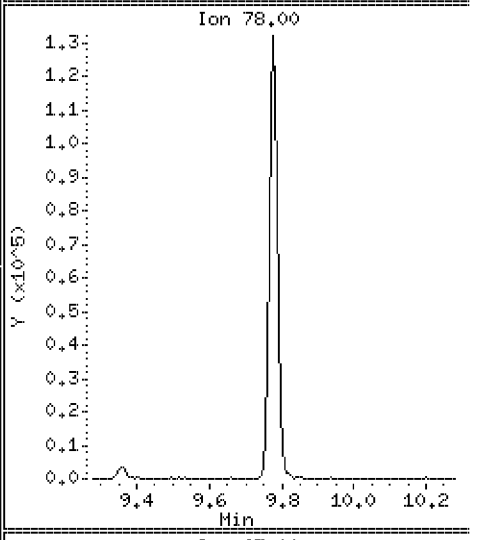


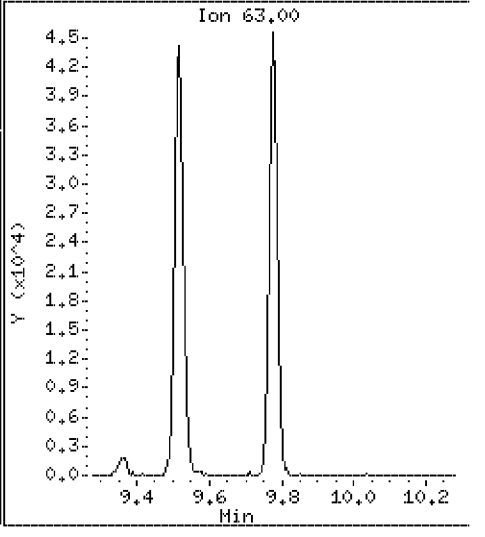












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

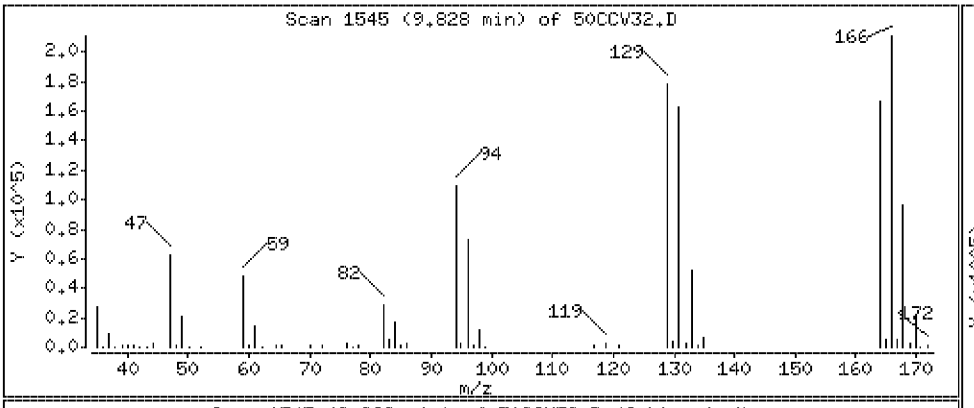
Client ID: 082107CCVA32 Instrument: vms03.i

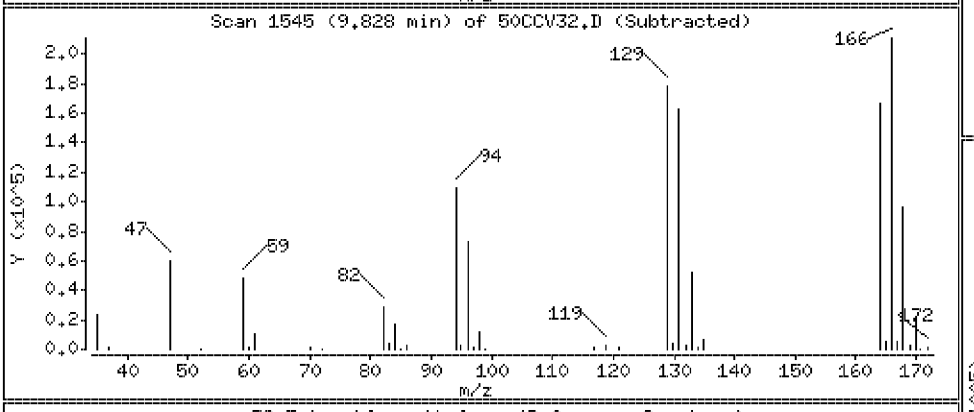
Sample Info: 082107CCVA32

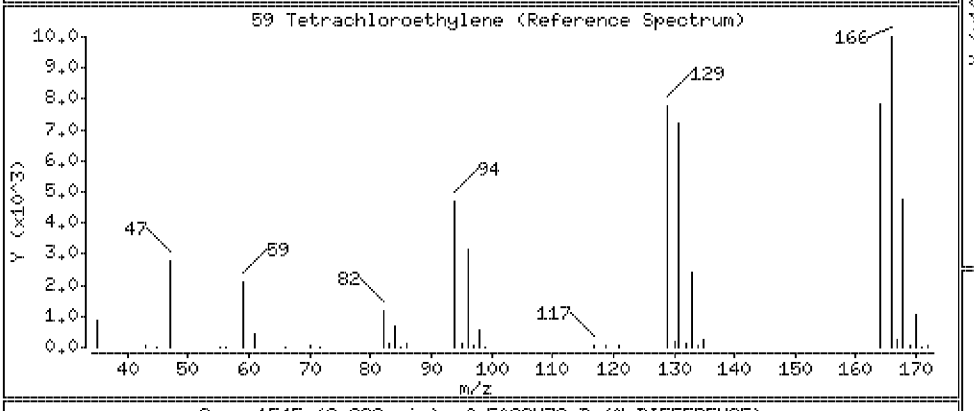
Purge Volume: 5.0 Operator:

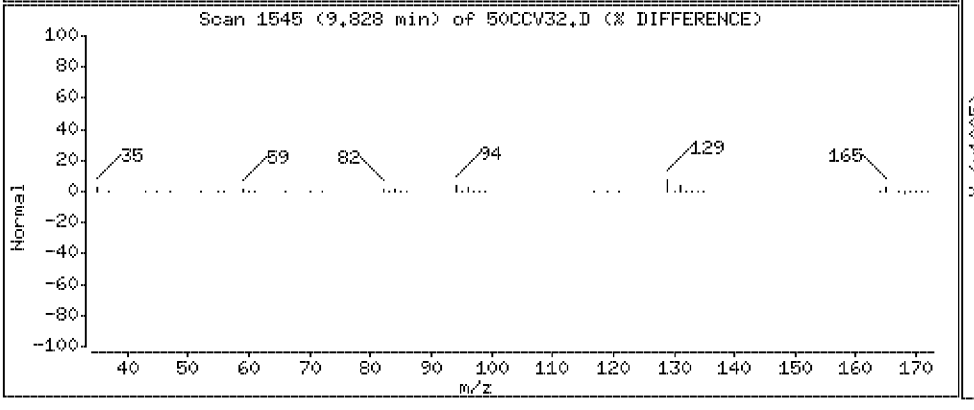
Column phase: DB-624 Column diameter: 0.18

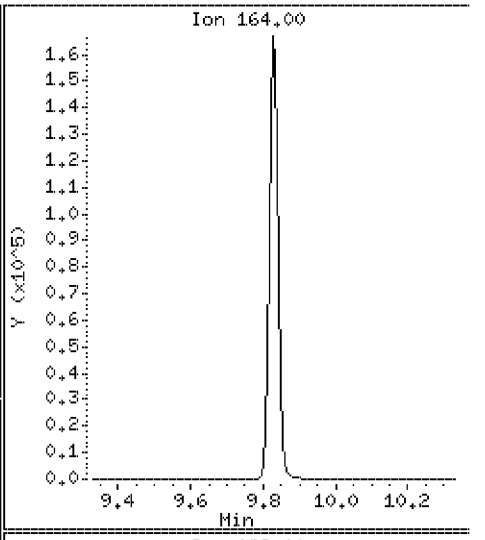
59 Tetrachloroethylene Concentration: 49.0 ug/l

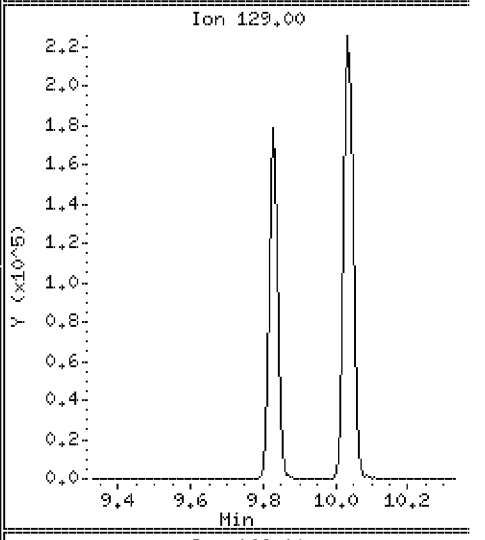


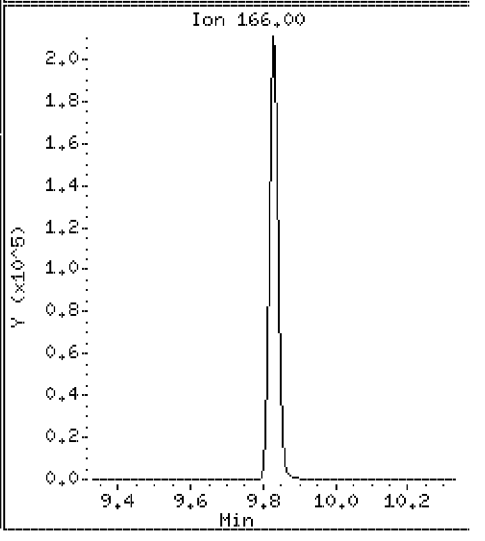












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

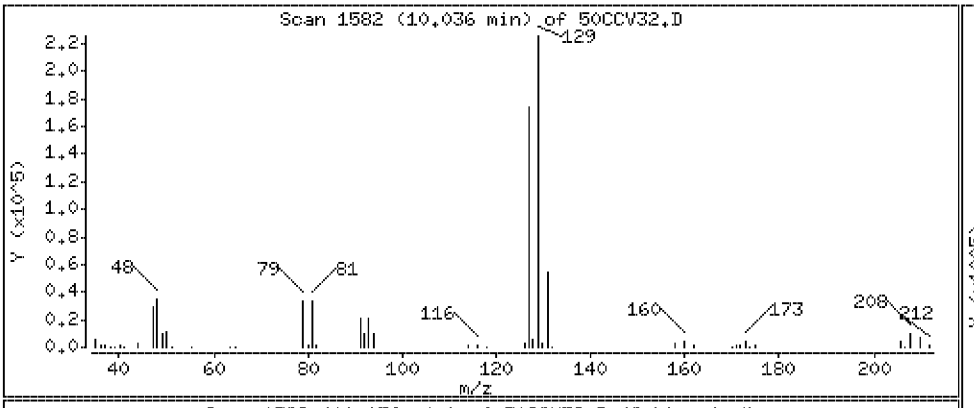
Client ID: 082107CCVA32 Instrument: vms03.i

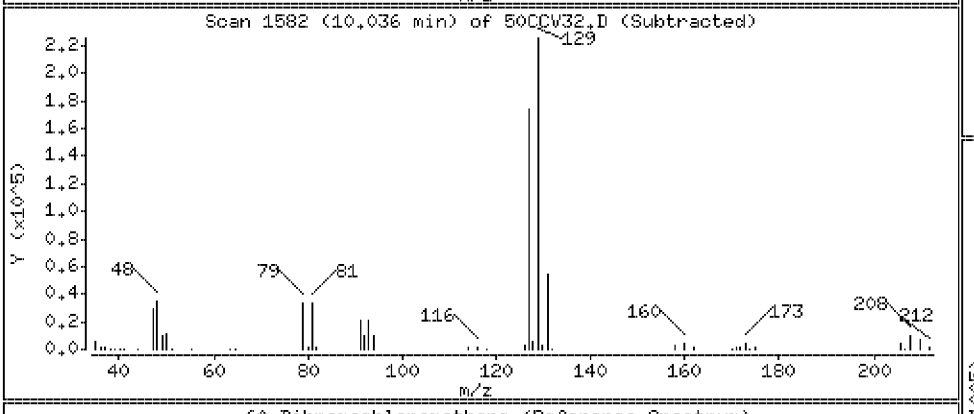
Sample Info: 082107CCVA32

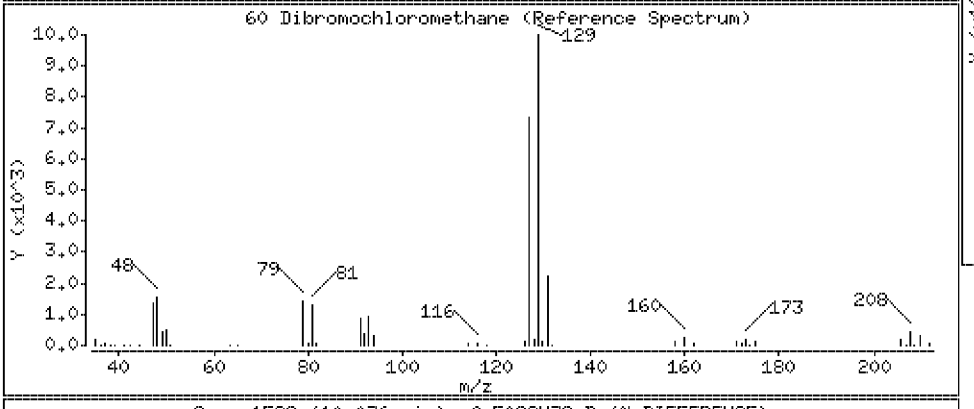
Purge Volume: 5.0 Operator:

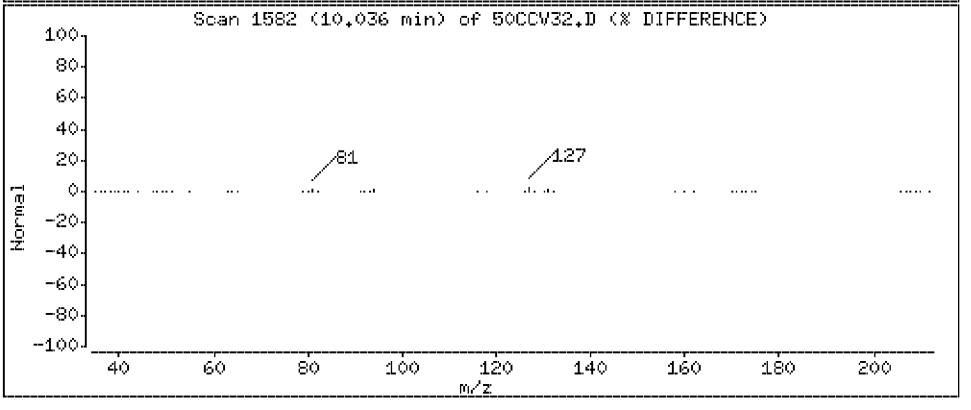
Column phase: DB-624 Column diameter: 0.18

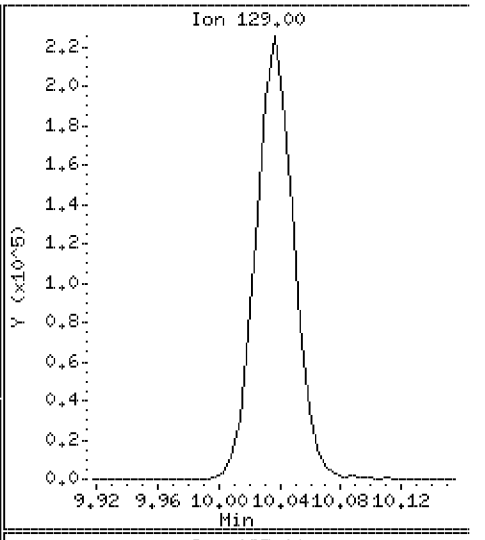
60 Dibromochloromethane Concentration: 49.4 ug/l

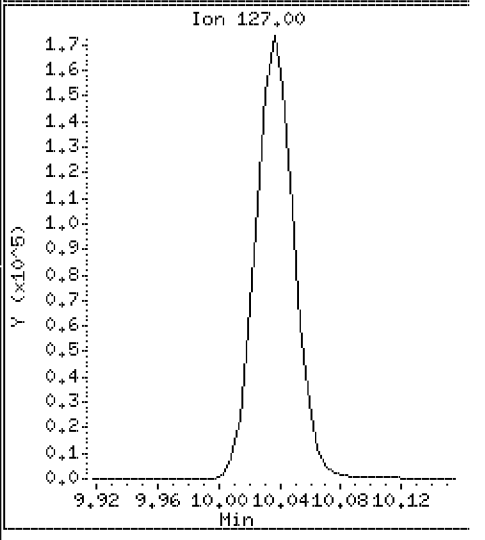












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

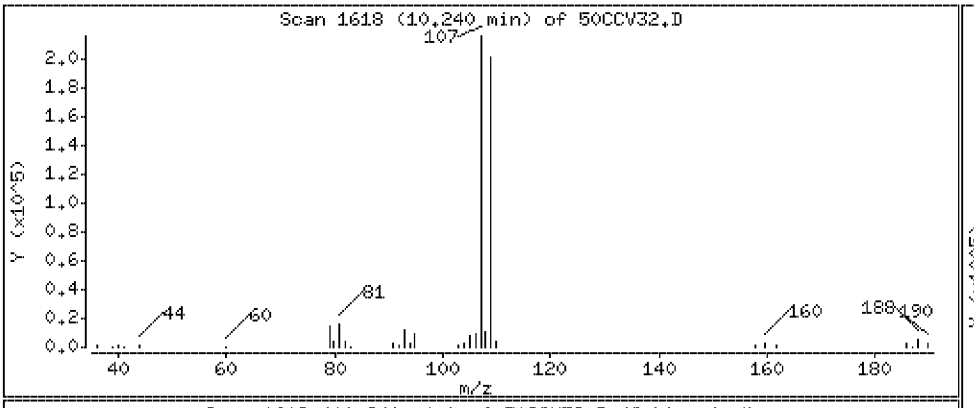
Client ID: 082107CCVA32 Instrument: vms03.i

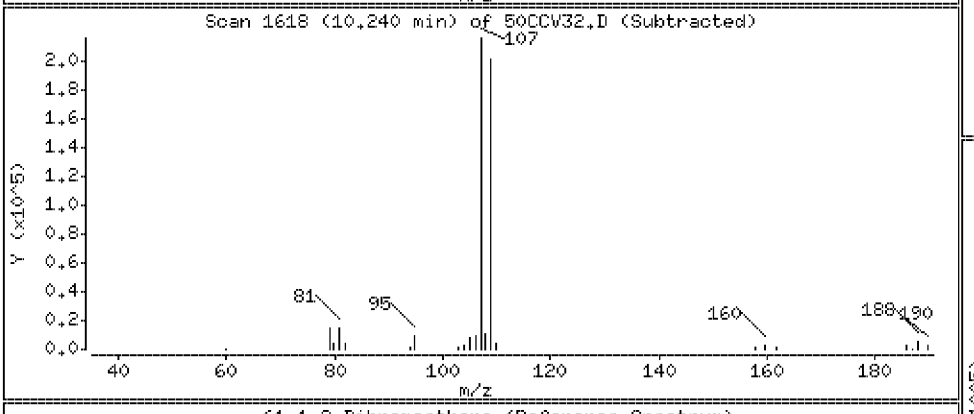
Sample Info: 082107CCVA32

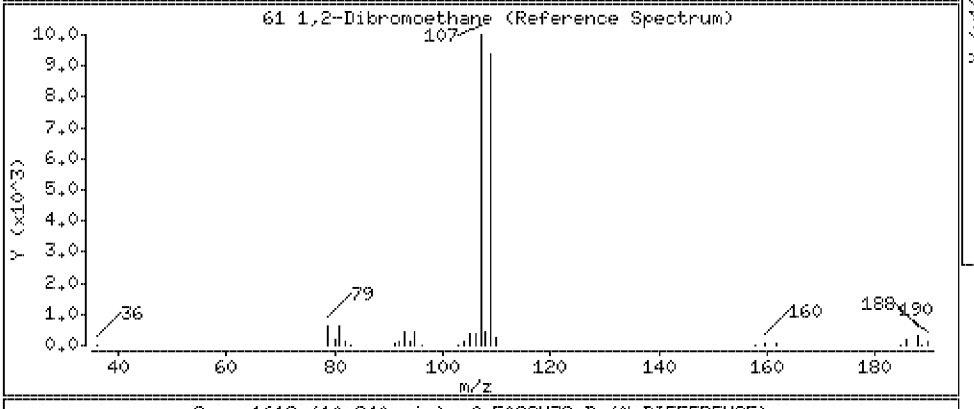
Purge Volume: 5.0 Operator:

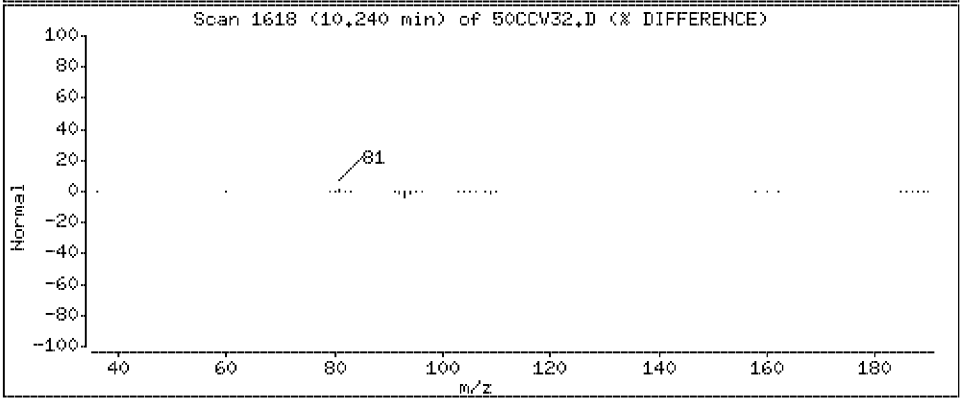
Column phase: DB-624 Column diameter: 0.18

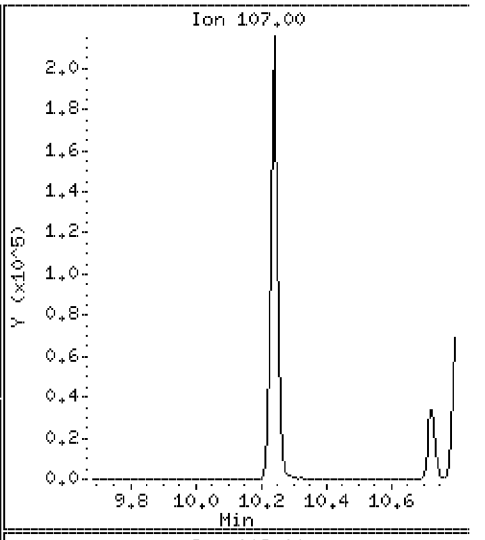
61 1,2-Dibromoethane Concentration: 46.0 ug/l

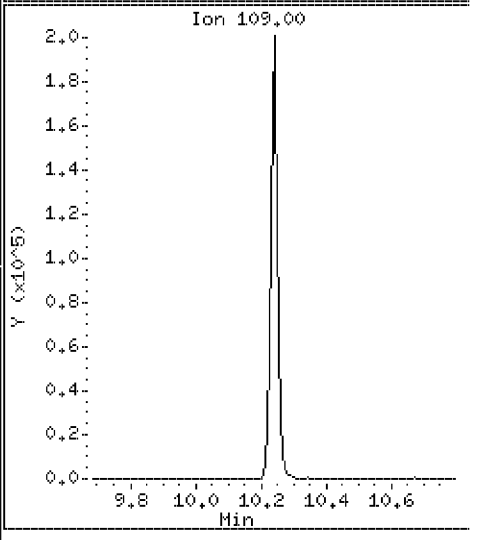












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

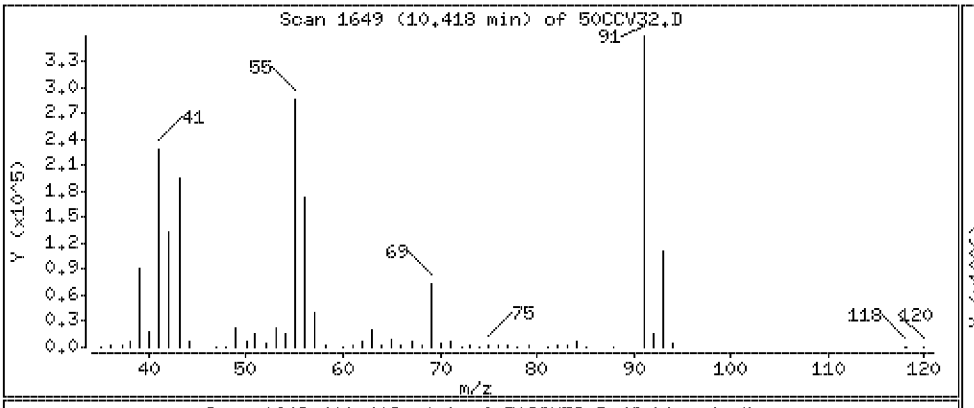
Client ID: 082107CCVA32 Instrument: vms03.i

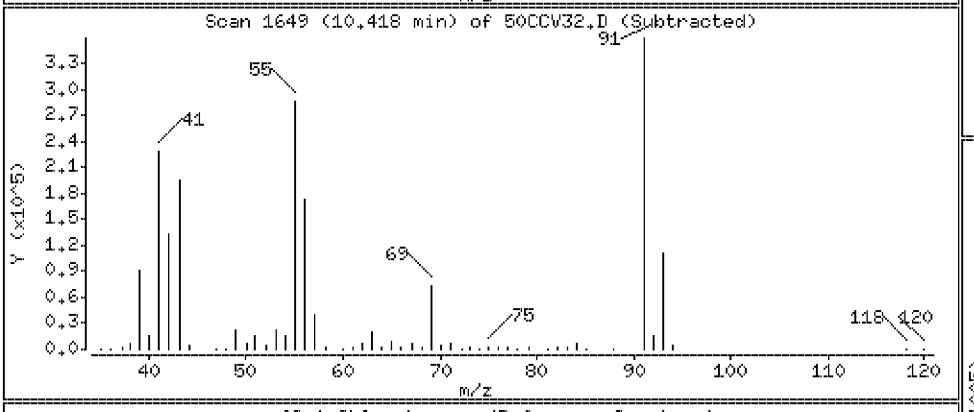
Sample Info: 082107CCVA32

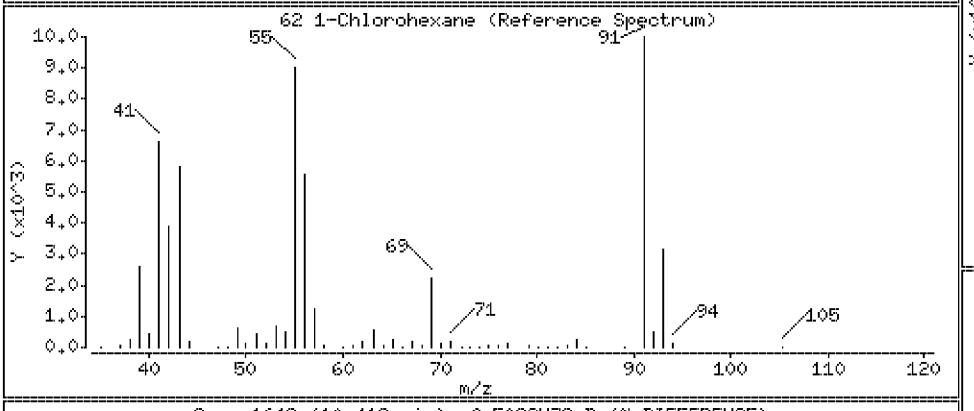
Purge Volume: 5.0 Operator:

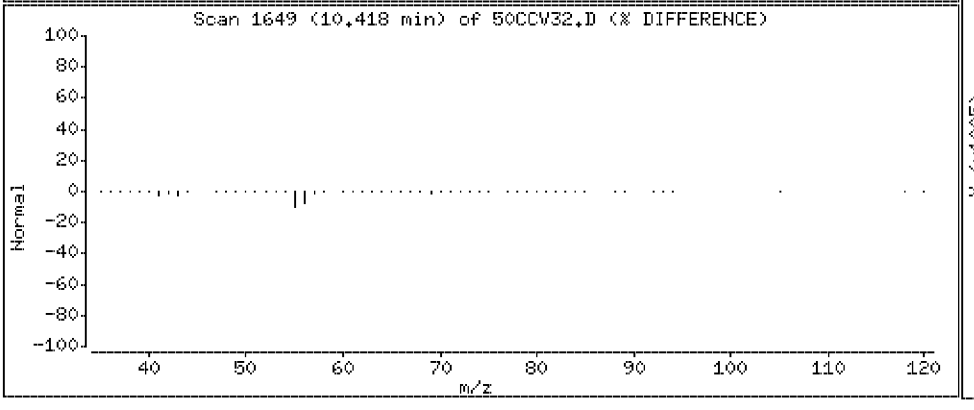
Column phase: DB-624 Column diameter: 0.18

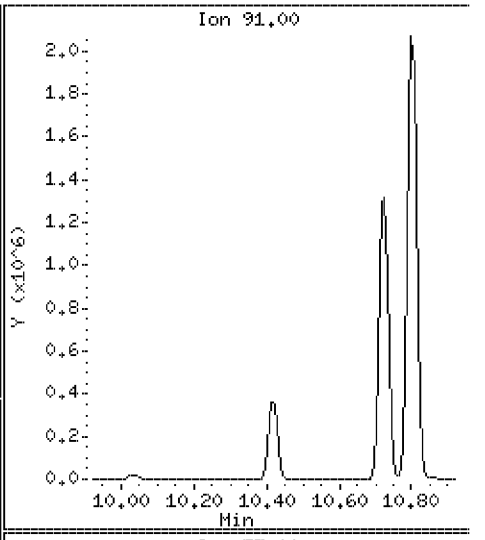
62 1-Chlorohexane Concentration: 53.1 ug/l

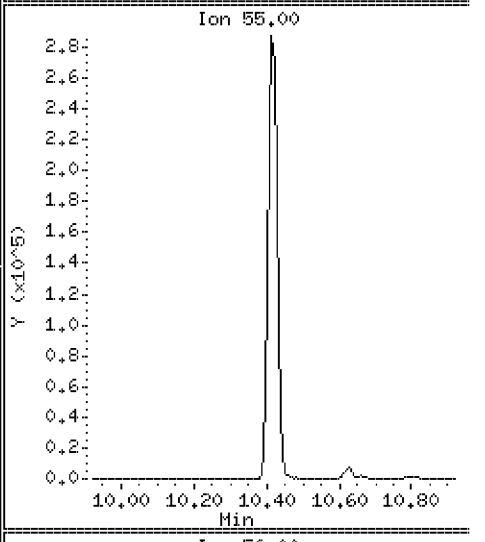


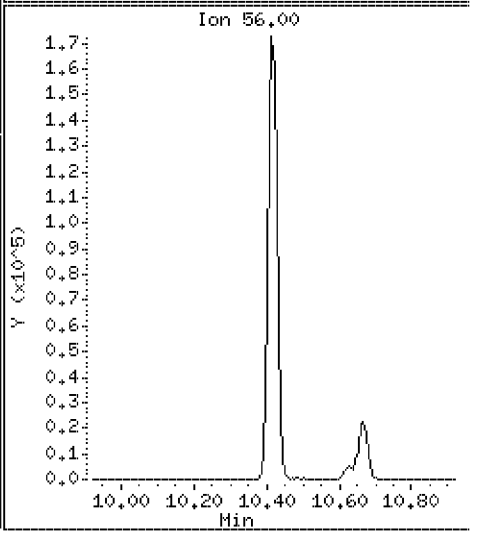












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

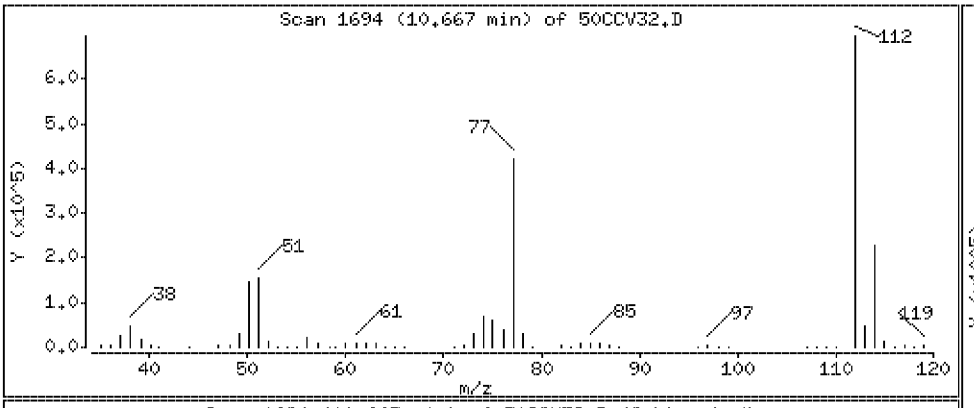
Client ID: 082107CCVA32 Instrument: vms03.i

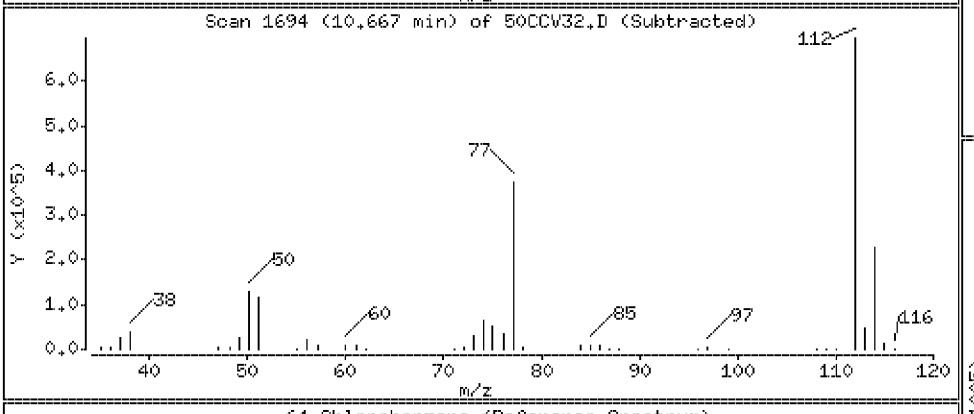
Sample Info: 082107CCVA32

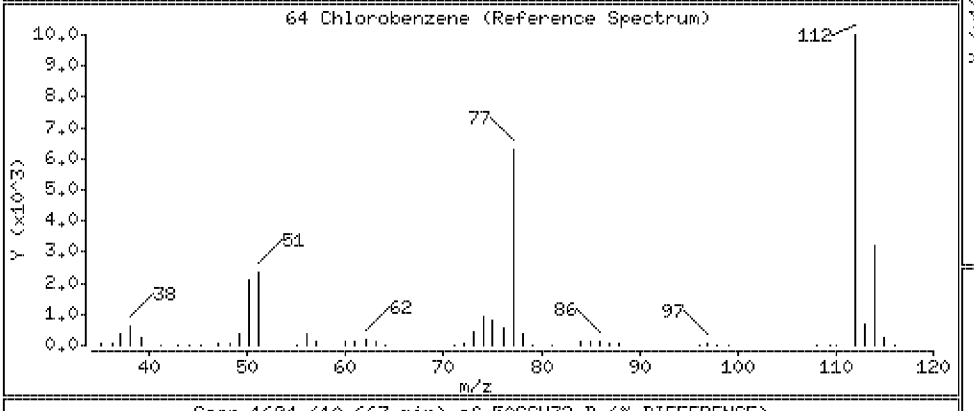
Purge Volume: 5.0 Operator:

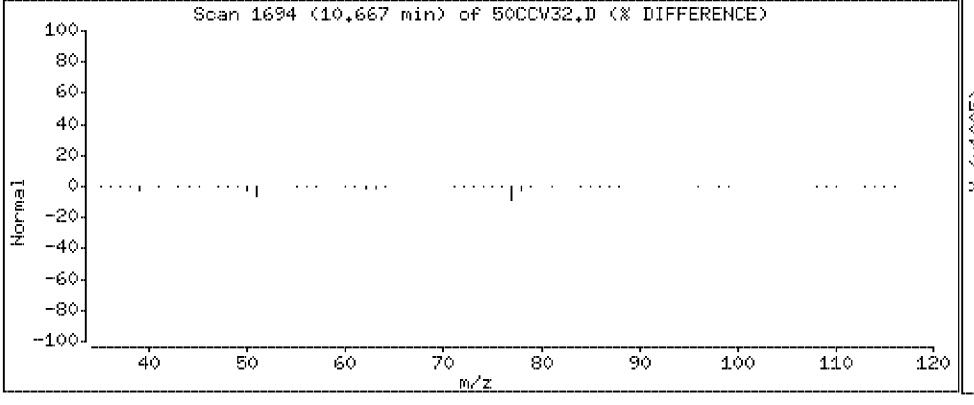
Column phase: DB-624 Column diameter: 0.18

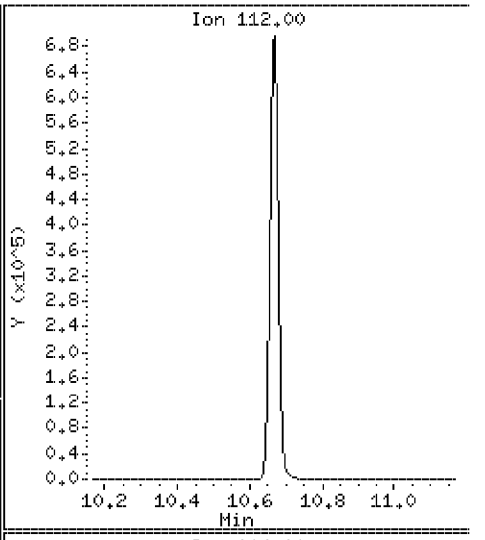
64 Chlorobenzene Concentration: 48.5 ug/l

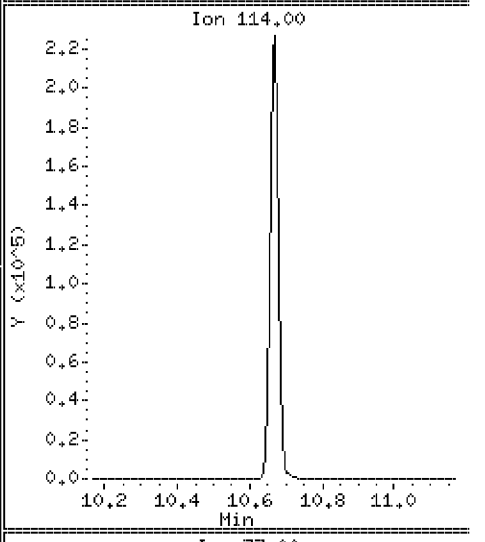


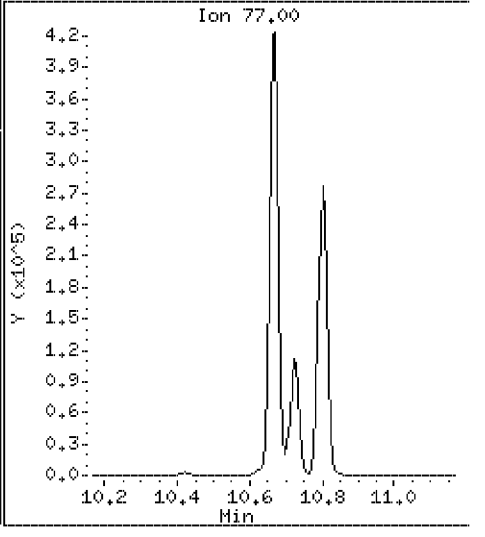












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

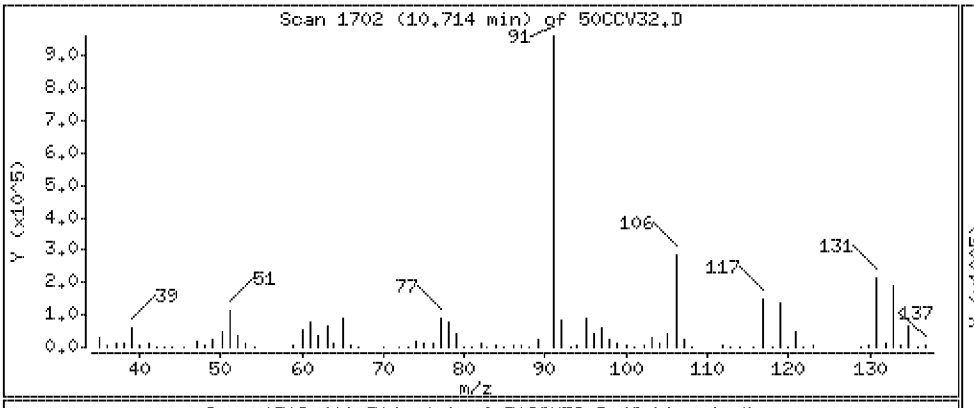
Client ID: 082107CCVA32 Instrument: vms03.i

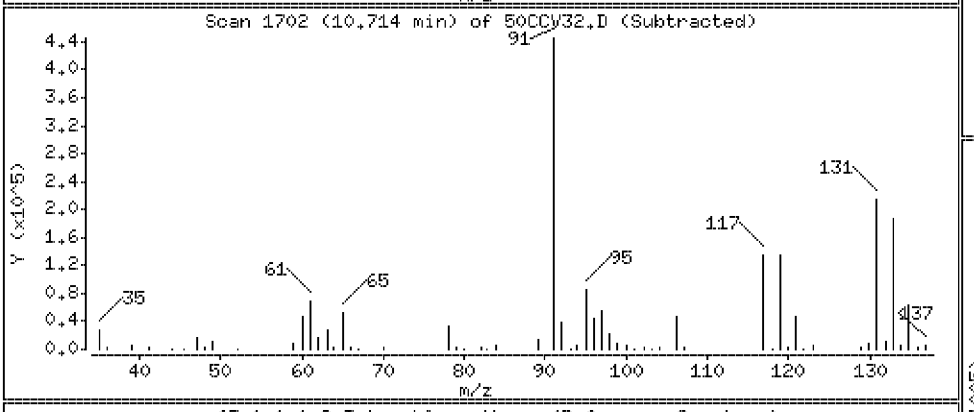
Sample Info: 082107CCVA32

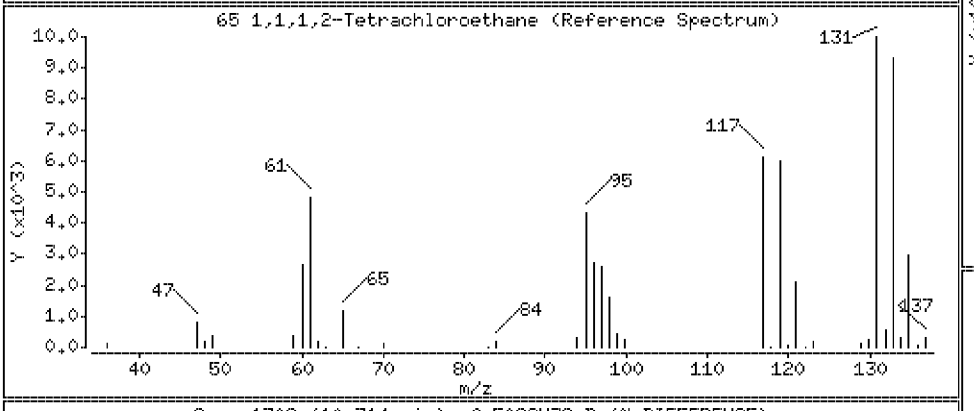
Purge Volume: 5.0 Operator:

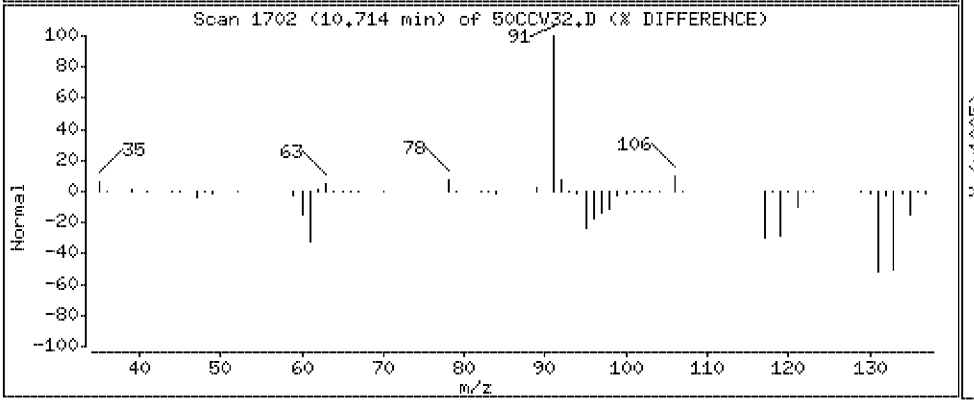
Column phase: DB-624 Column diameter: 0.18

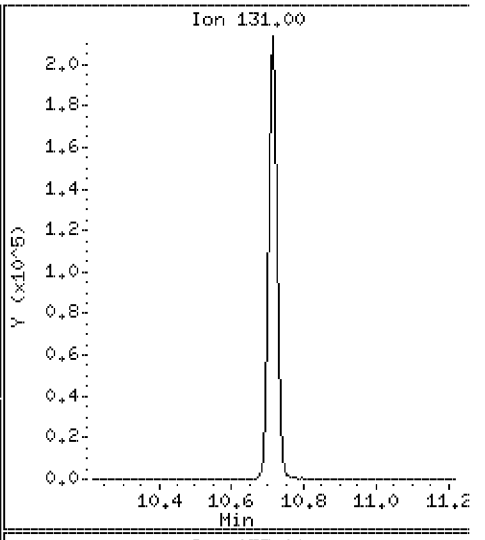
65 1,1,1,2-Tetrachloroethane Concentration: 53.3 ug/l

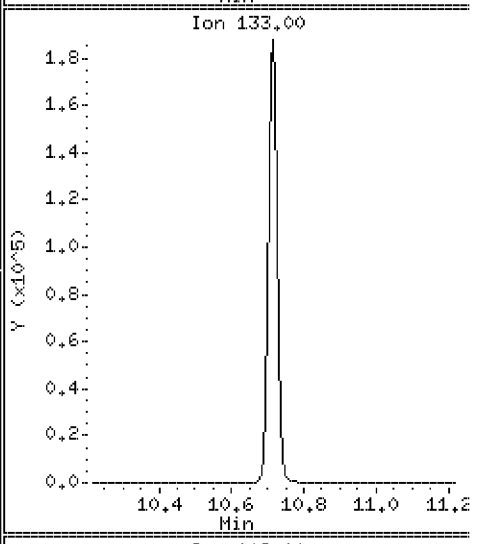


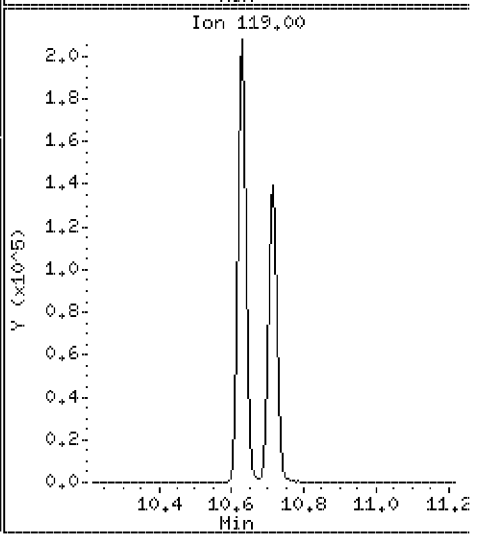












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

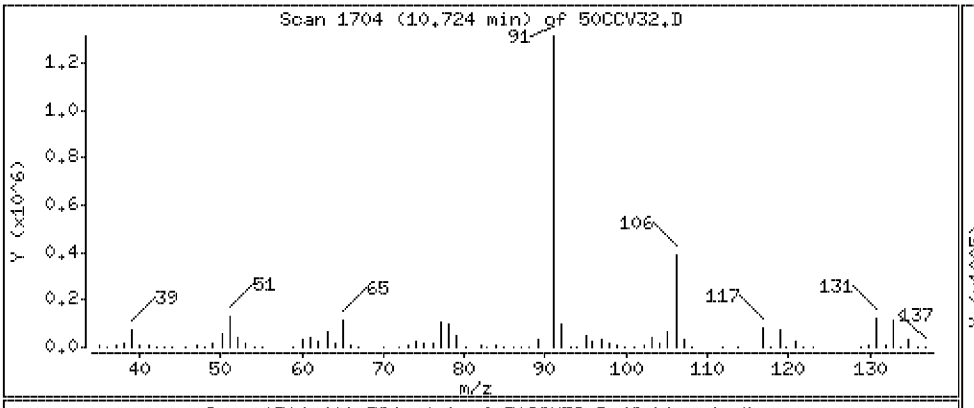
Client ID: 082107CCVA32 Instrument: vms03.i

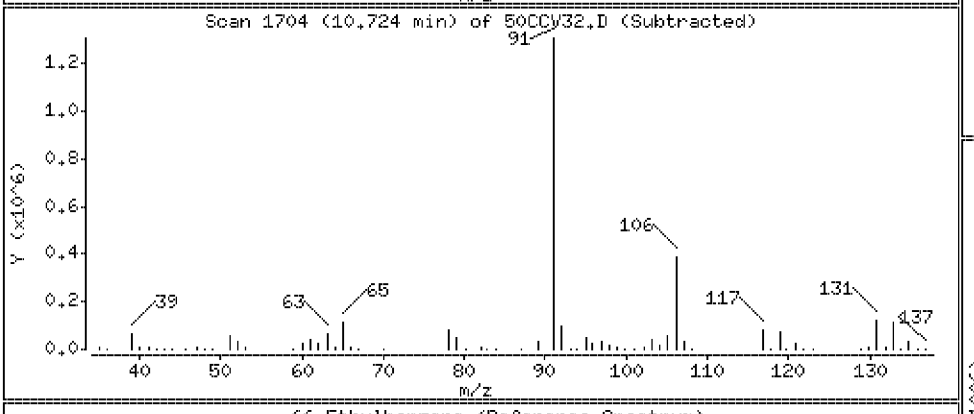
Sample Info: 082107CCVA32

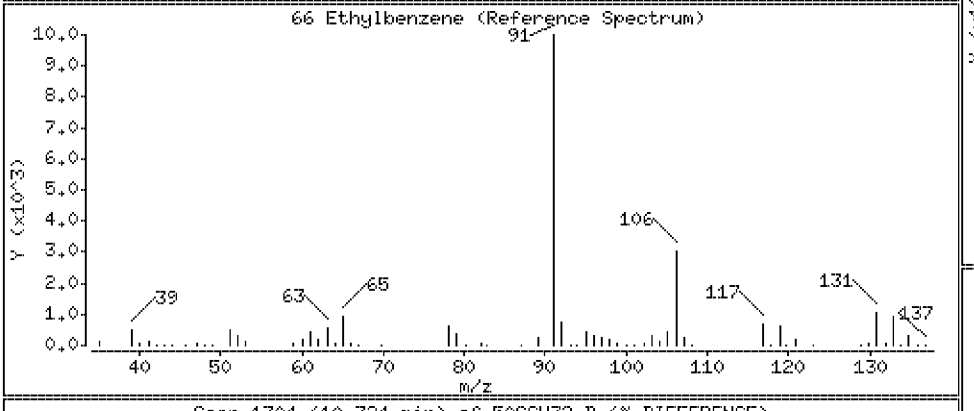
Purge Volume: 5.0 Operator:

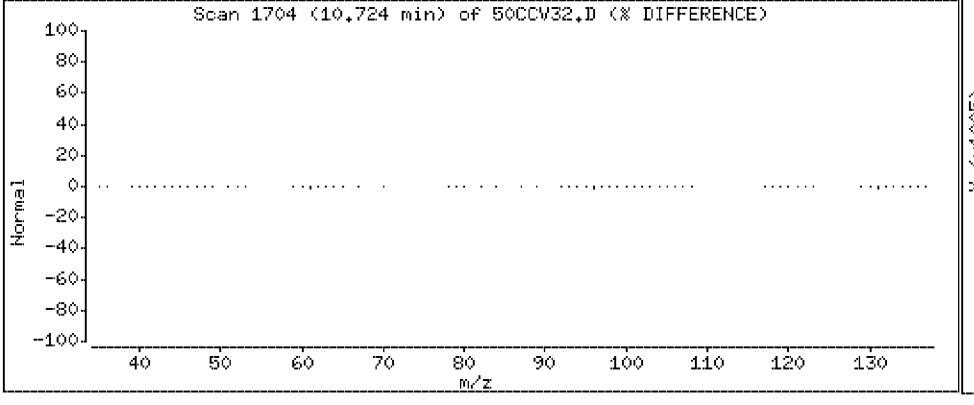
Column phase: DB-624 Column diameter: 0.18

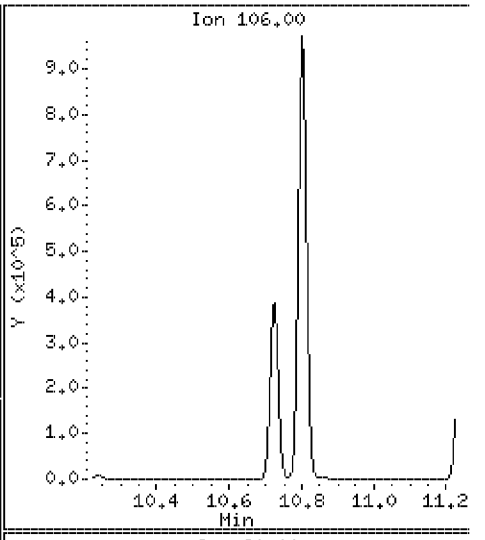
66 Ethylbenzene Concentration: 48.5 ug/l

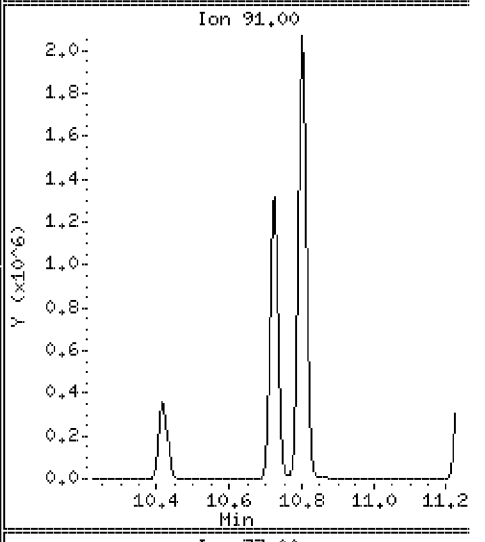


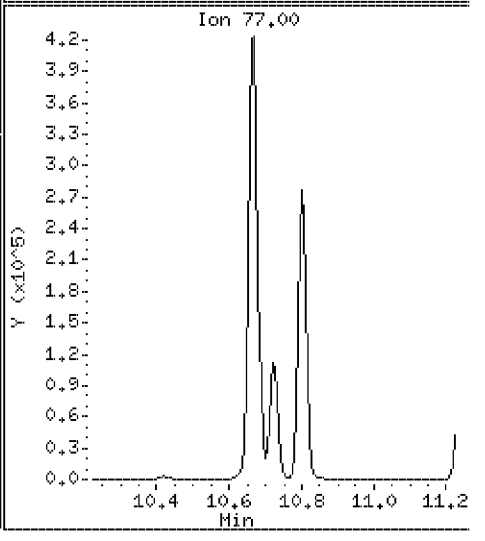












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

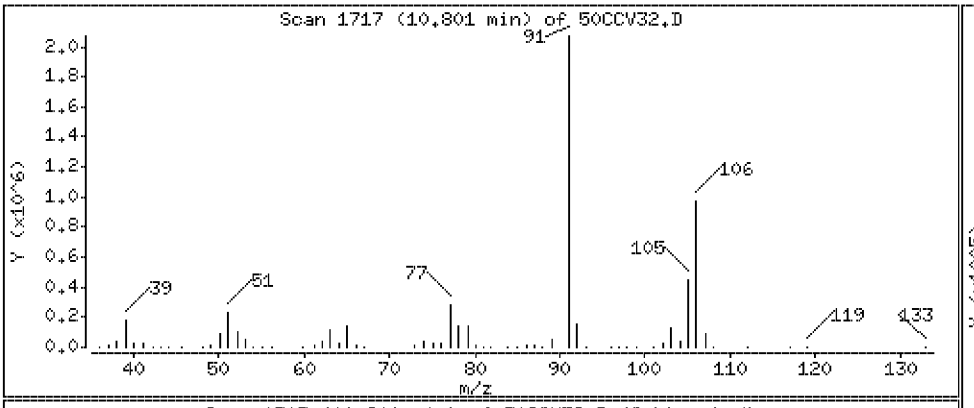
Client ID: 082107CCVA32 Instrument: vms03.i

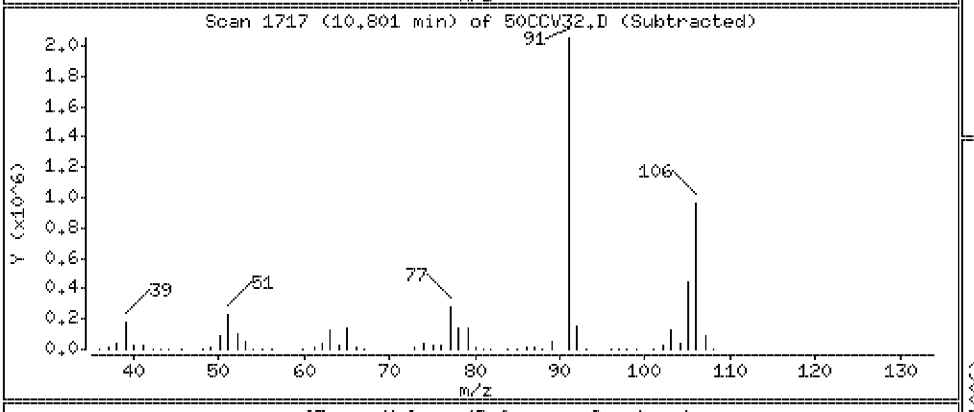
Sample Info: 082107CCVA32

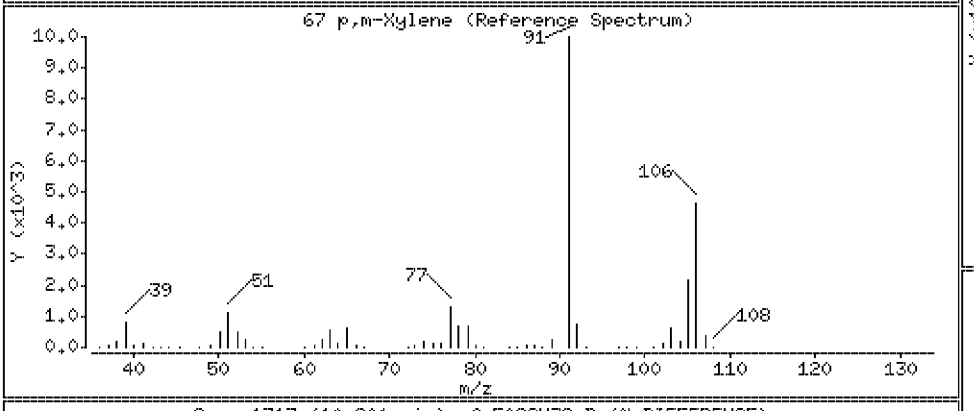
Purge Volume: 5.0 Operator:

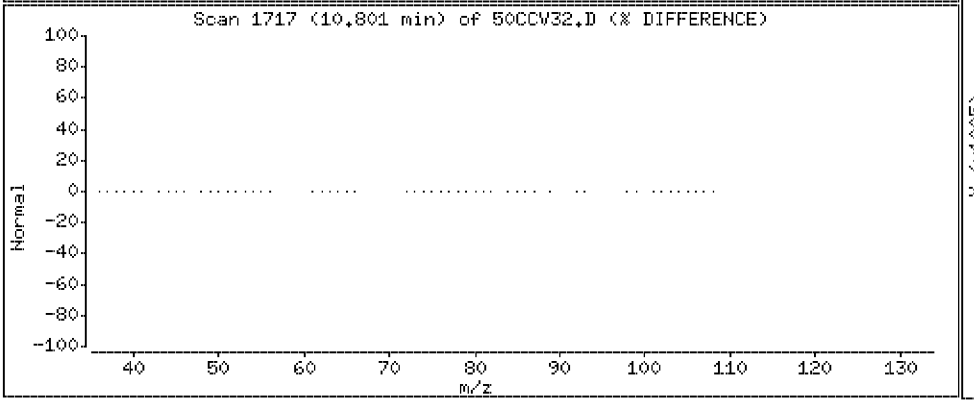
Column phase: DB-624 Column diameter: 0.18

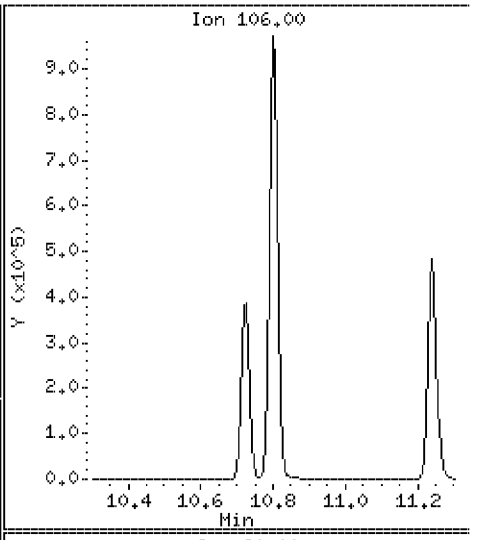
67 p,m-Xylene Concentration: 95.4 ug/l

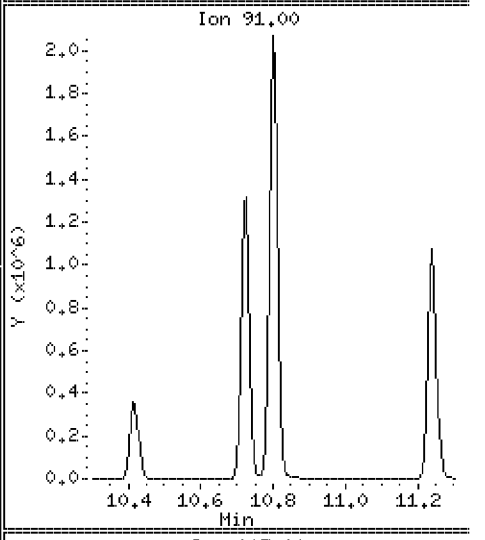


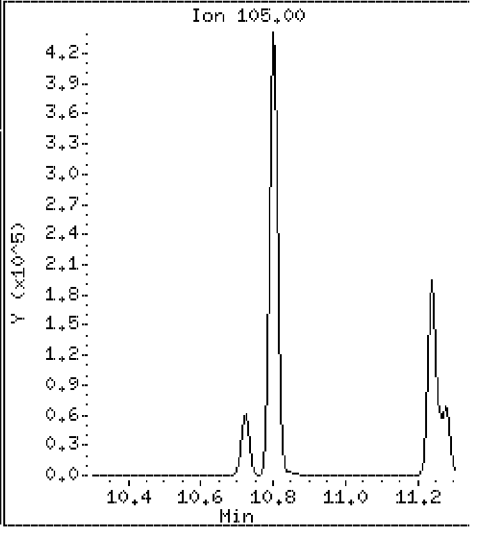












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

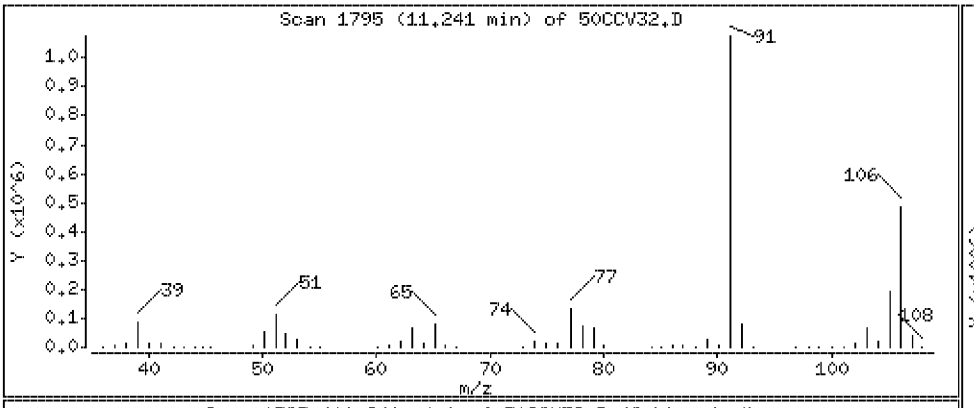
Client ID: 082107CCVA32 Instrument: vms03.i

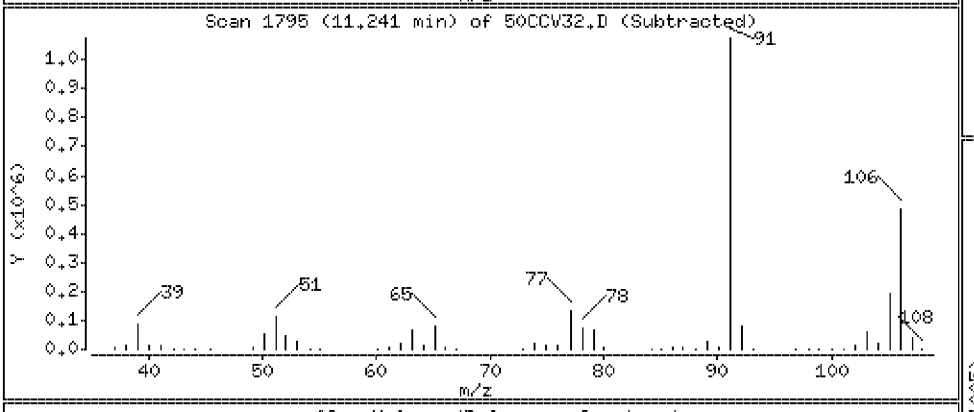
Sample Info: 082107CCVA32

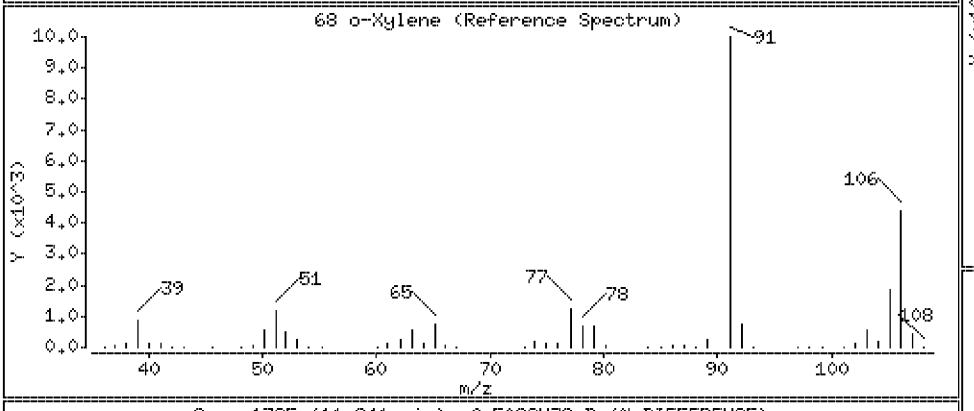
Purge Volume: 5.0 Operator:

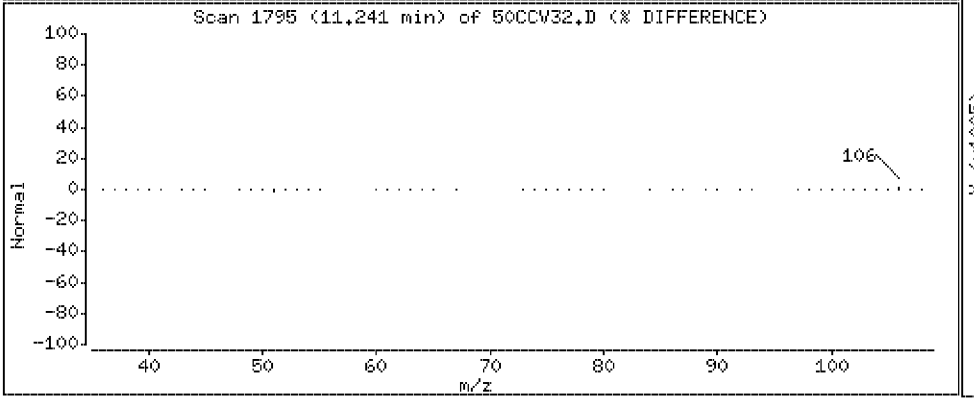
Column phase: DB-624 Column diameter: 0.18

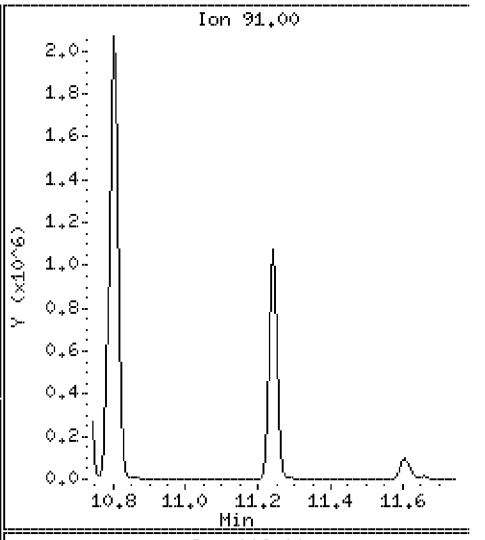
68 o-Xylene Concentration: 46.9 ug/l

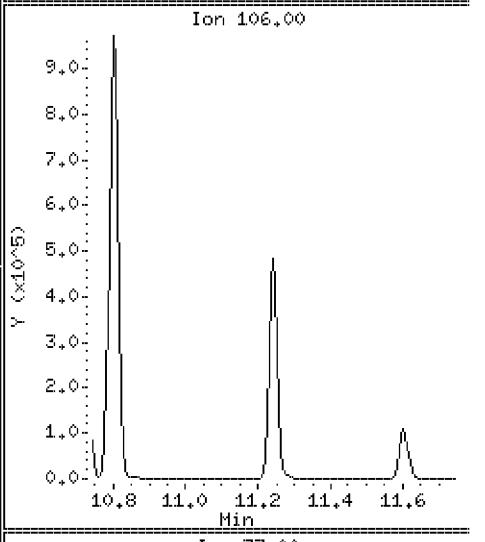


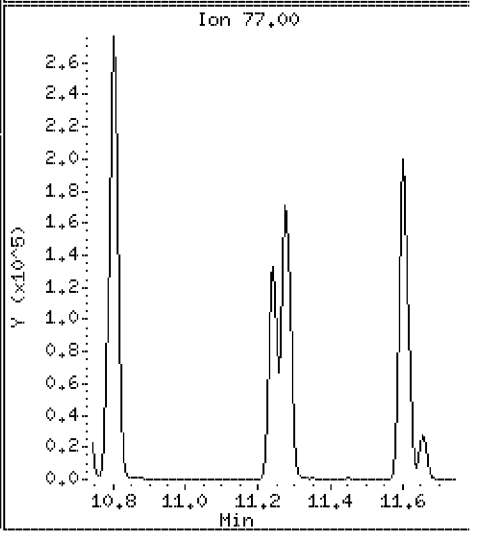












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

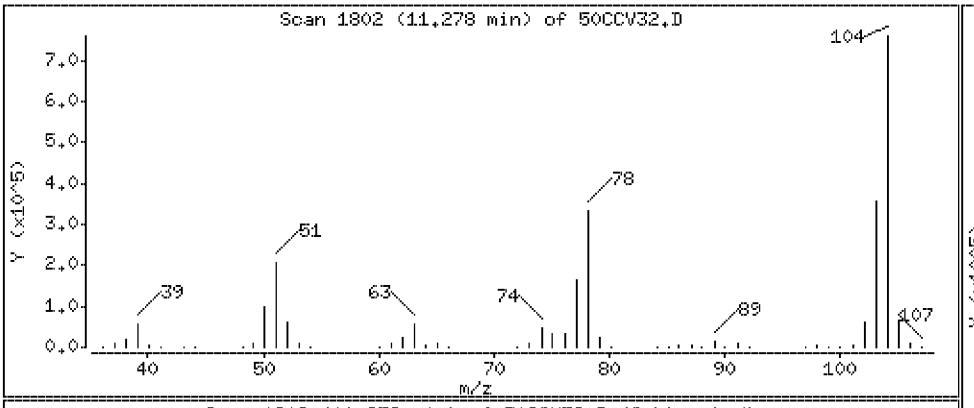
Client ID: 082107CCVA32 Instrument: vms03.i

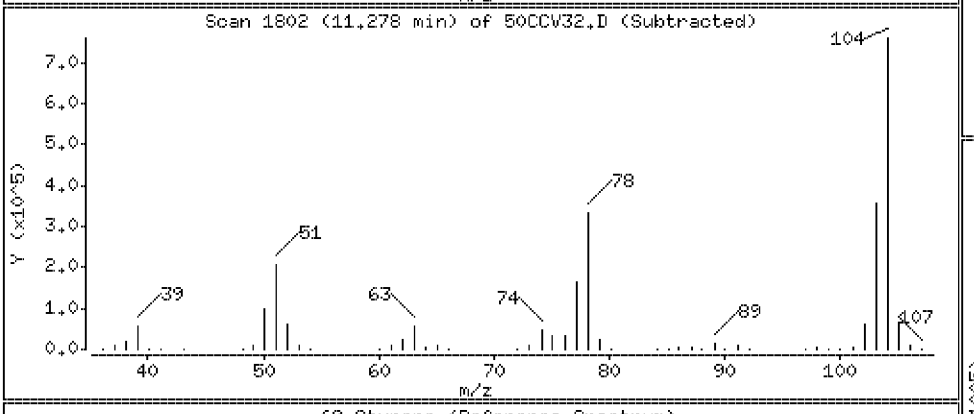
Sample Info: 082107CCVA32

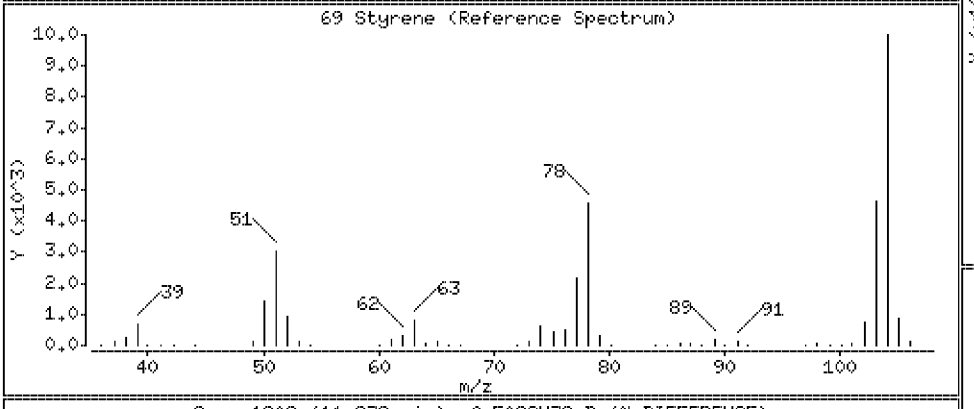
Purge Volume: 5.0 Operator:

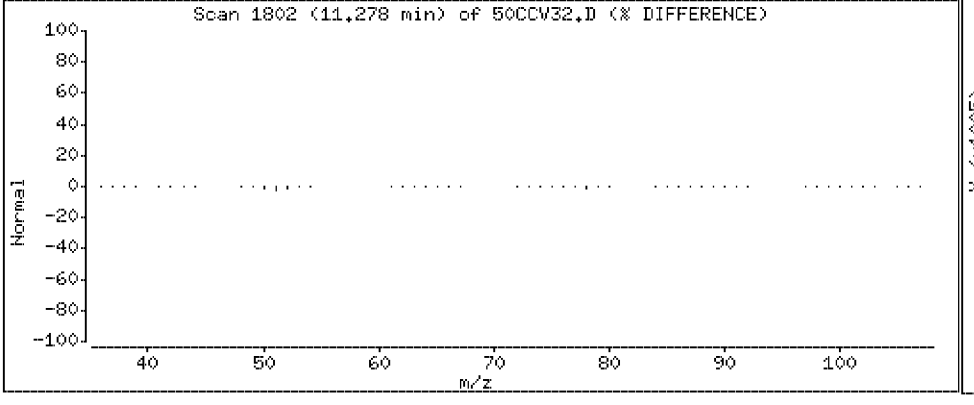
Column phase: DB-624 Column diameter: 0.18

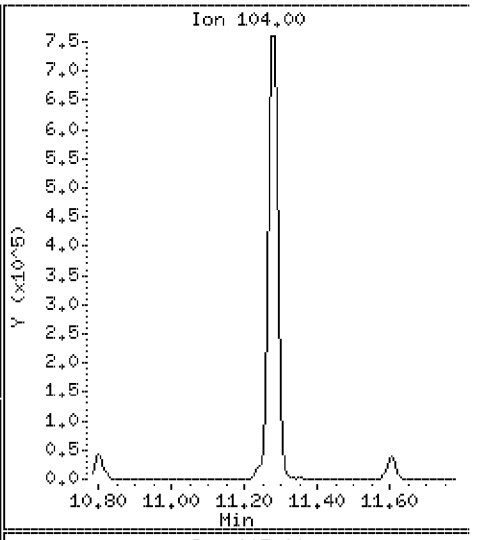
69 Styrene Concentration: 47.9 ug/l

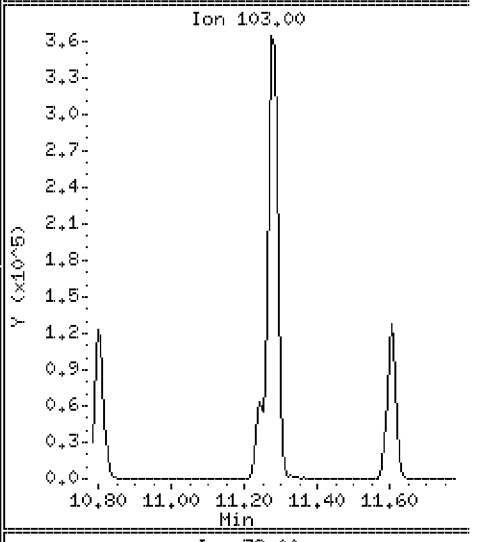


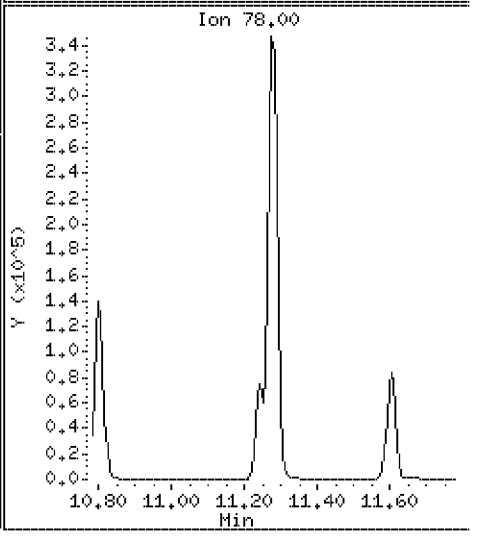












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

Client ID: 082107CCVA32

Instrument: vms03.i

Sample Info: 082107CCVA32

Purge Volume: 5.0

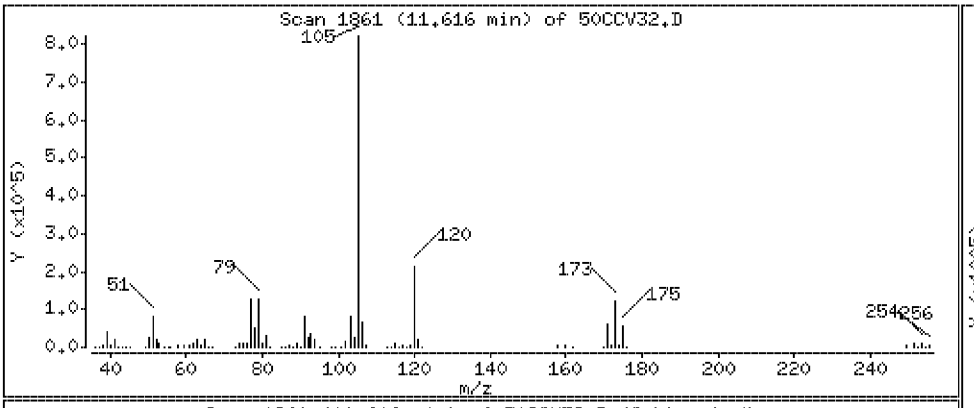
Operator:

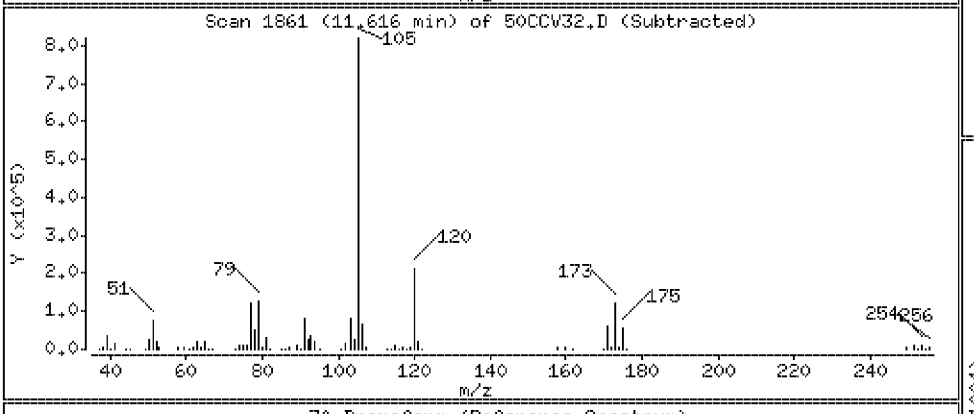
Column phase: DB-624

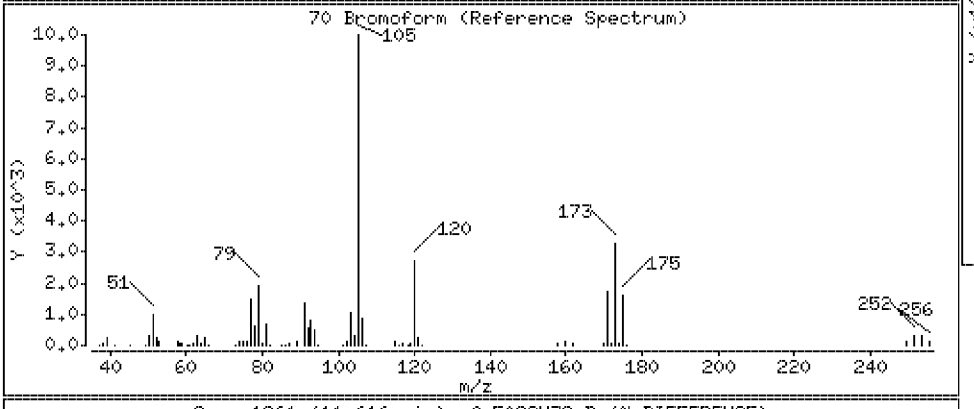
Column diameter: 0.18

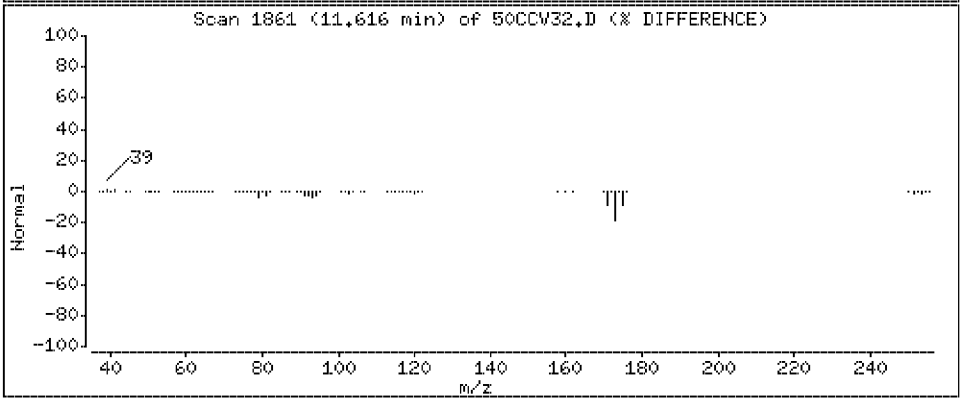
70 Bromoform

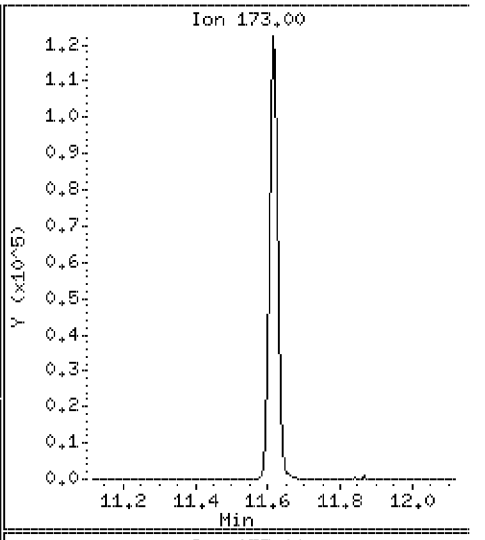
Concentration: 45.4 ug/l

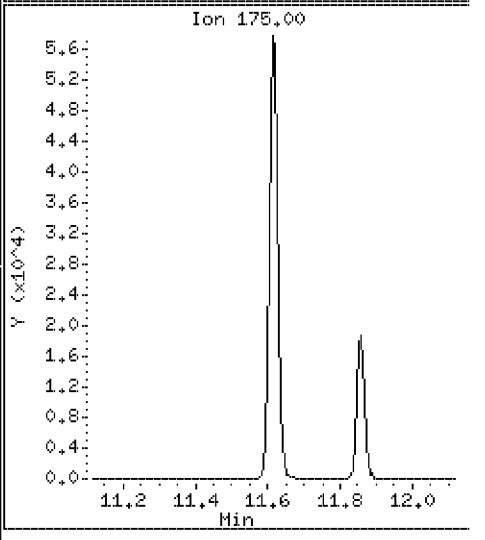












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

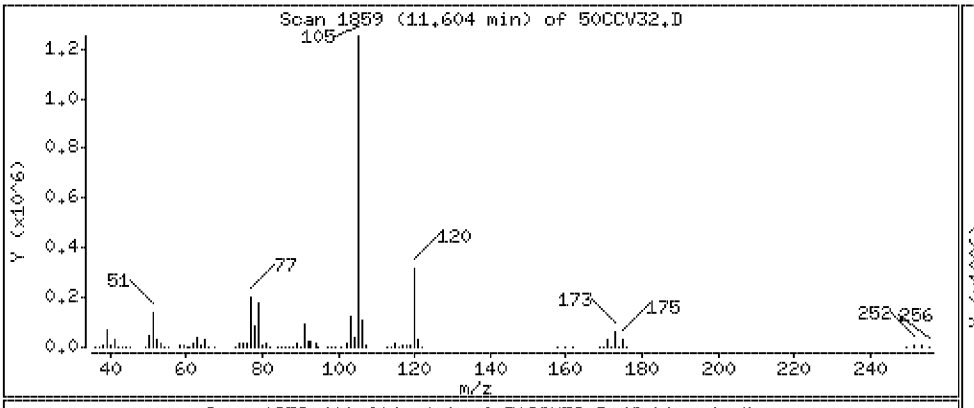
Client ID: 082107CCVA32 Instrument: vms03.i

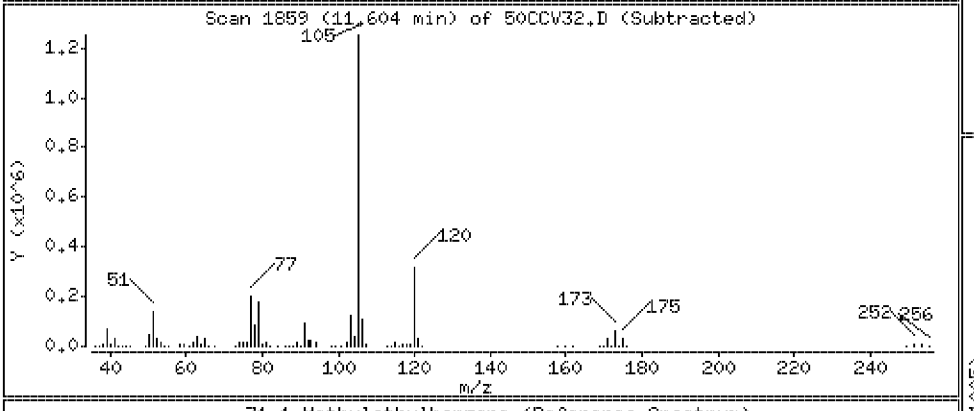
Sample Info: 082107CCVA32

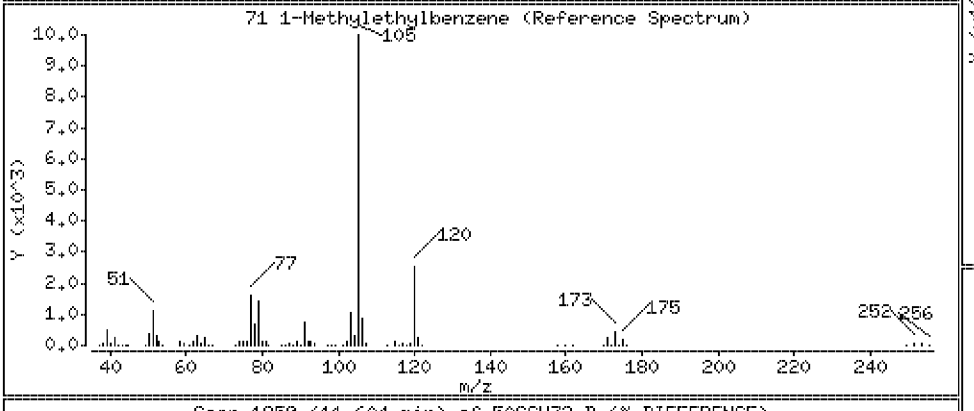
Purge Volume: 5.0 Operator:

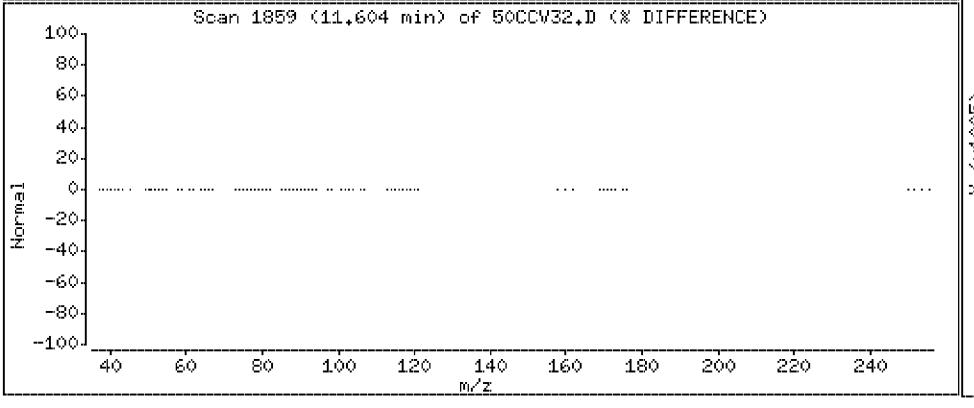
Column phase: DB-624 Column diameter: 0.18

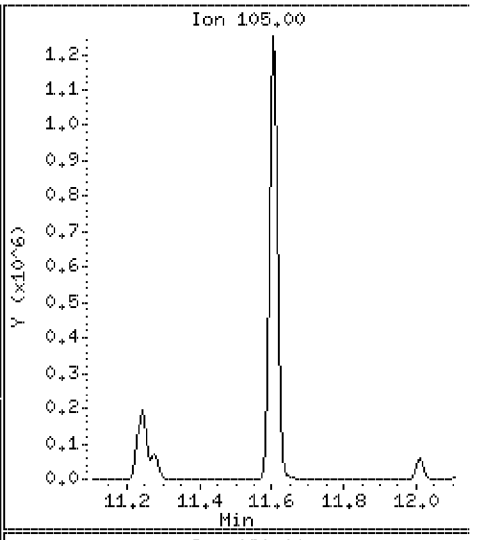
71 1-Methylethylbenzene Concentration: 50.1 ug/l

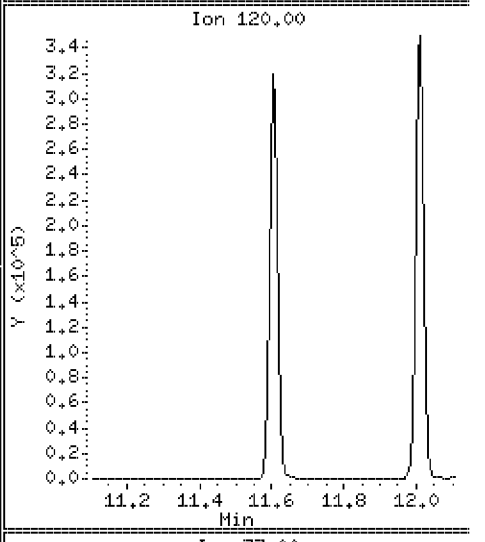


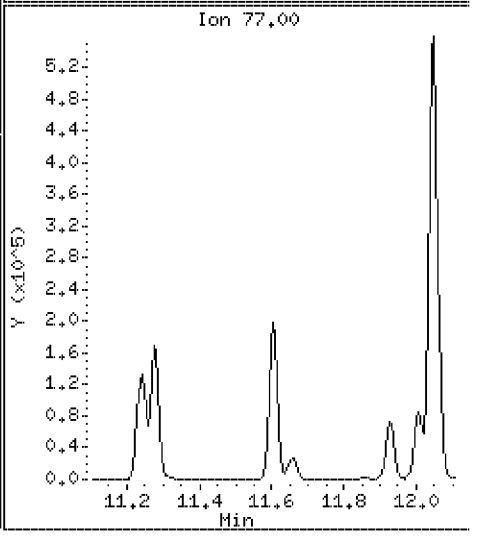












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

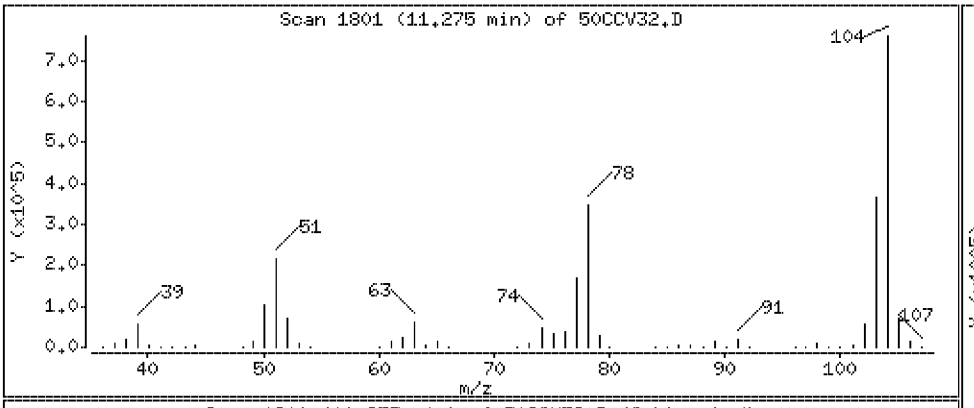
Client ID: 082107CCVA32 Instrument: vms03.i

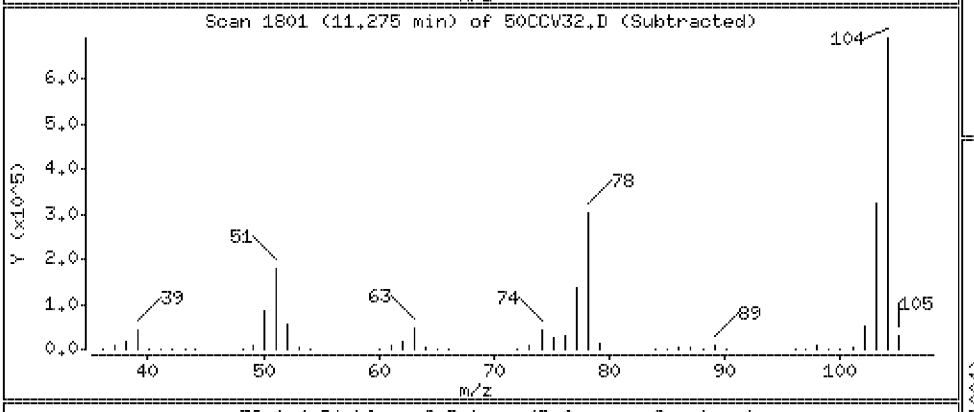
Sample Info: 082107CCVA32

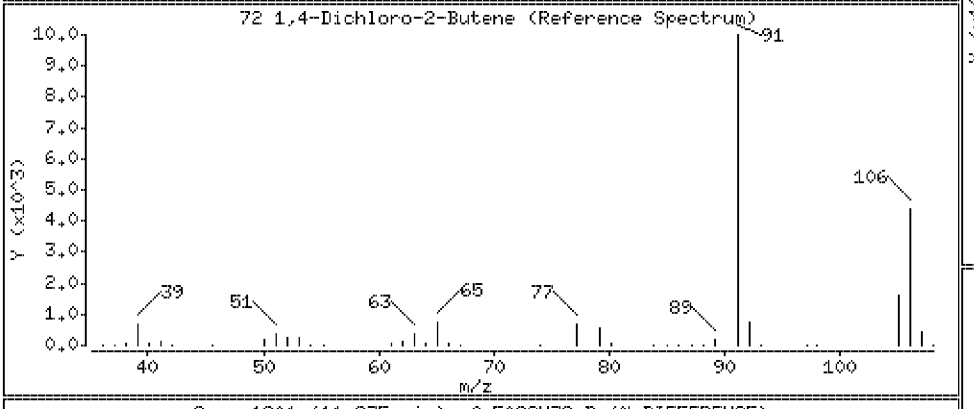
Purge Volume: 5.0 Operator:

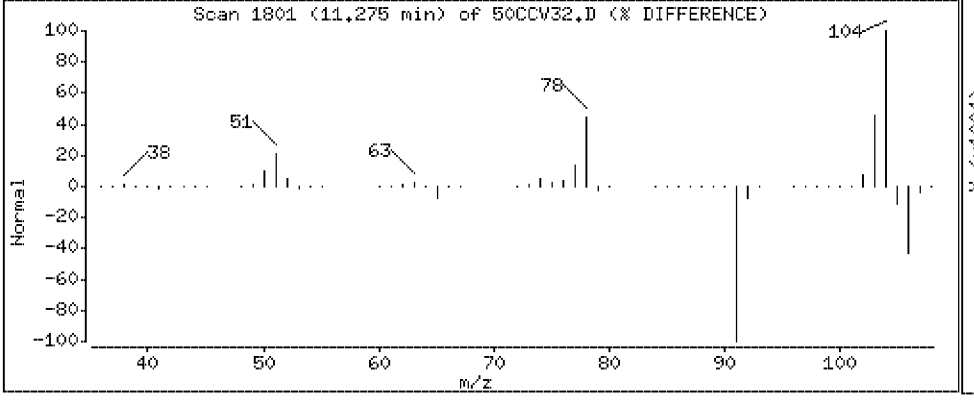
Column phase: DB-624 Column diameter: 0.18

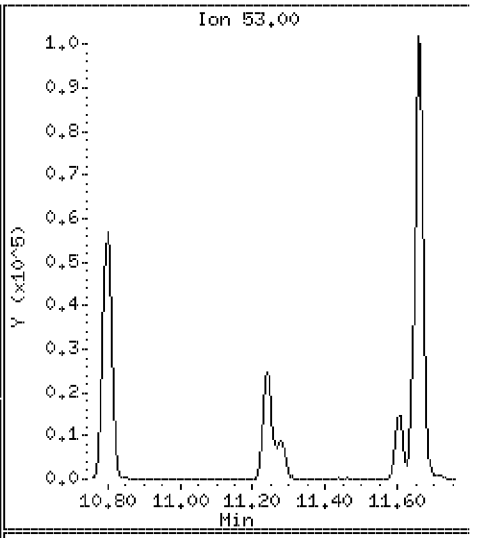
72 1,4-Dichloro-2-Butene Concentration: 72.6 ug/l

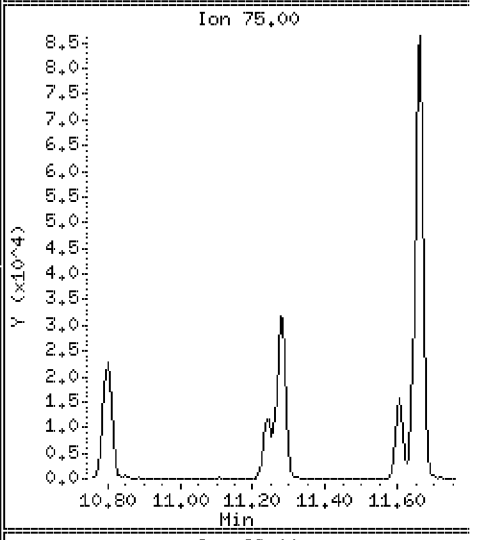


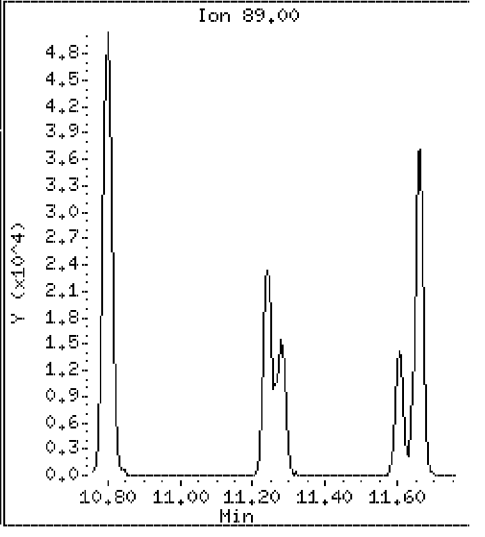












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

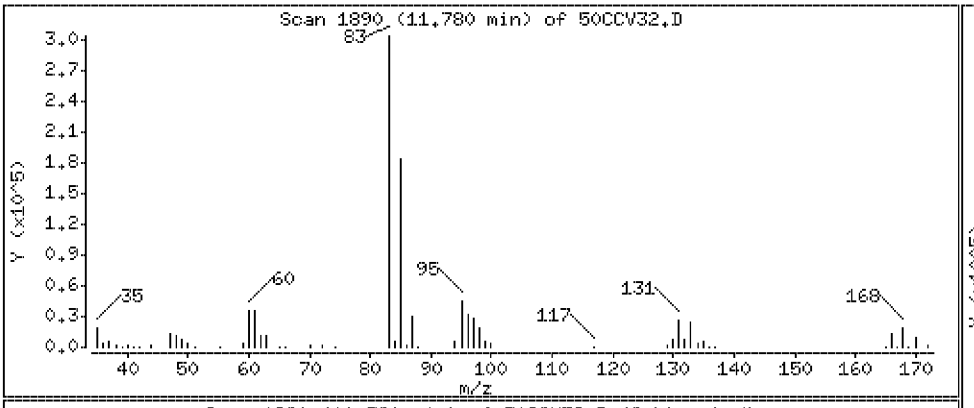
Client ID: 082107CCVA32 Instrument: vms03.i

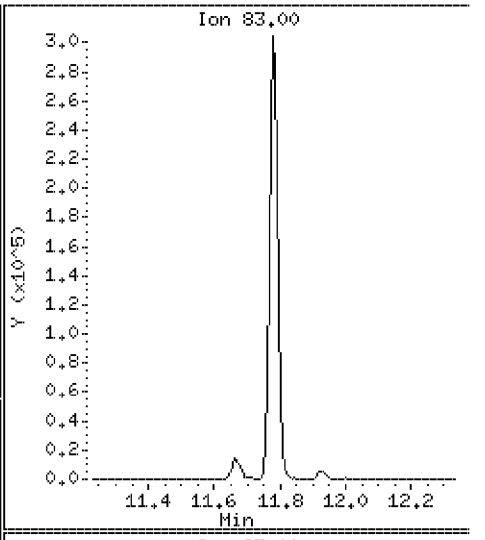
Sample Info: 082107CCVA32

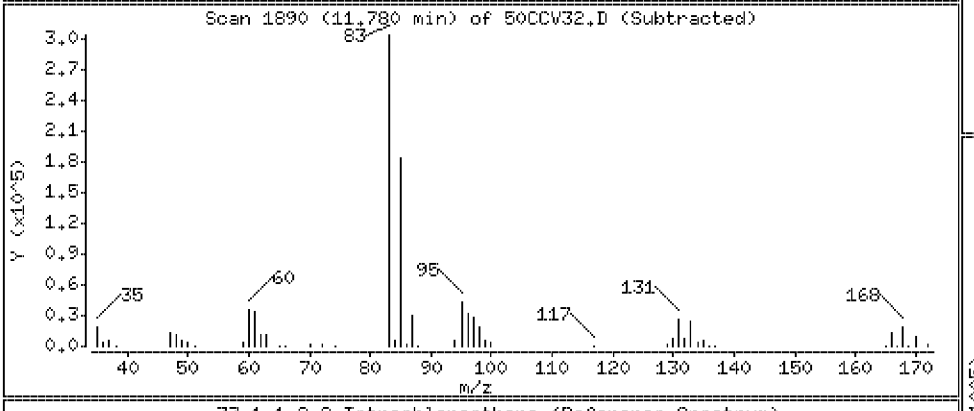
Purge Volume: 5.0 Operator:

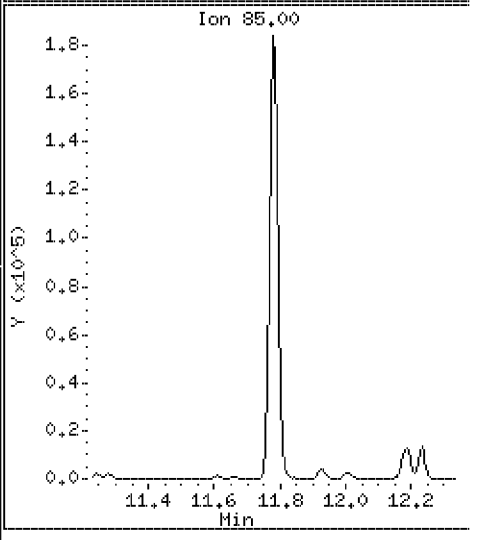
Column phase: DB-624 Column diameter: 0.18

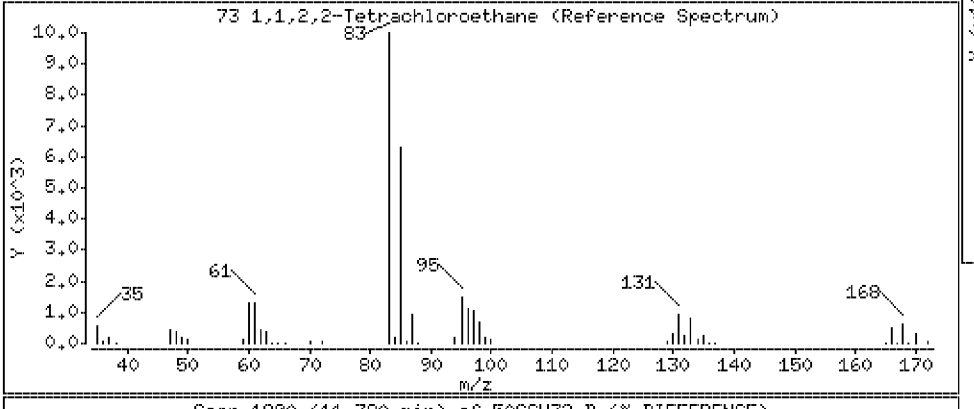
73 1,1,2,2-Tetrachloroethane Concentration: 44.2 ug/l

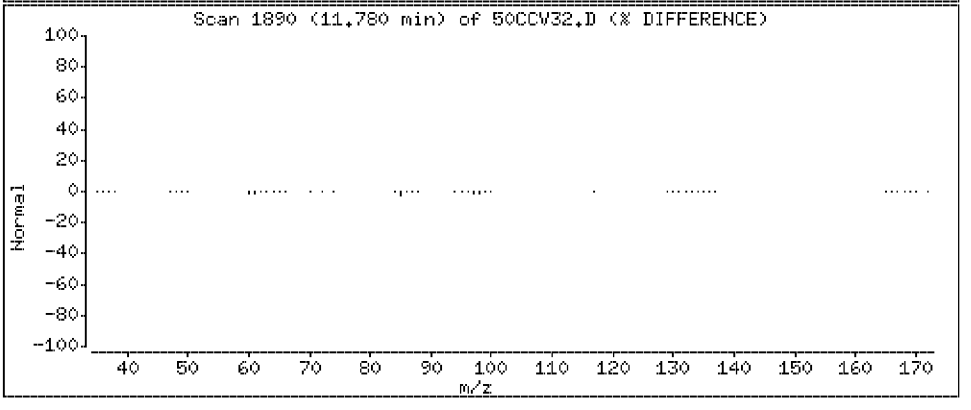












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

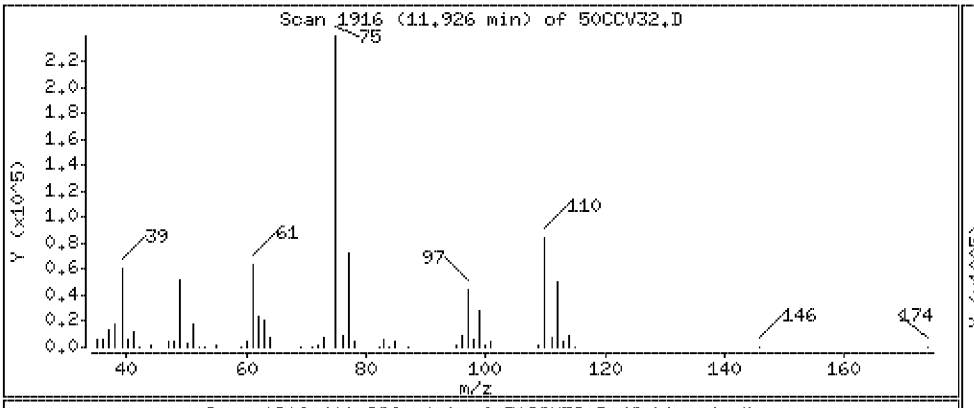
Client ID: 082107CCVA32 Instrument: vms03.i

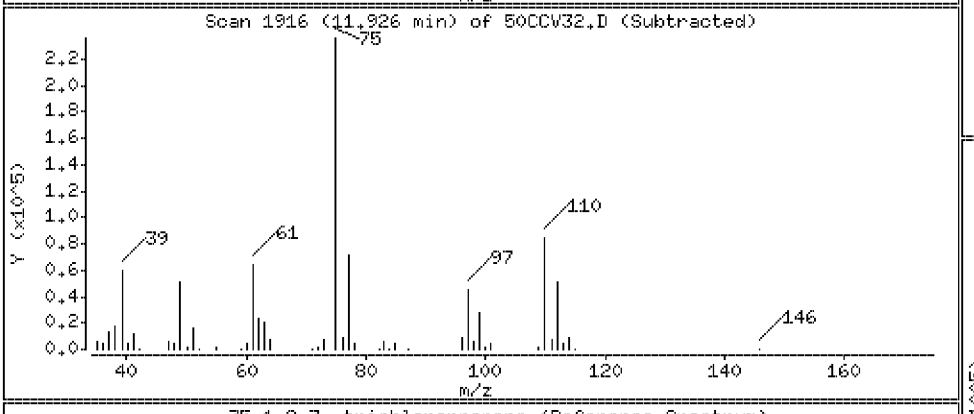
Sample Info: 082107CCVA32

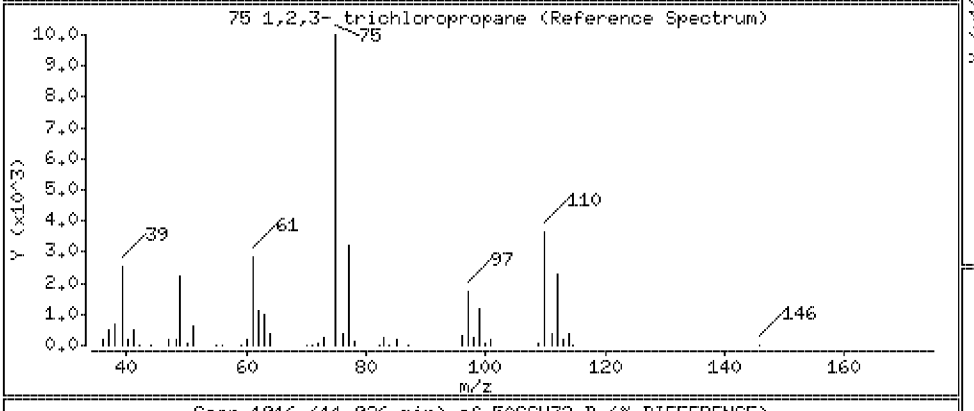
Purge Volume: 5.0 Operator:

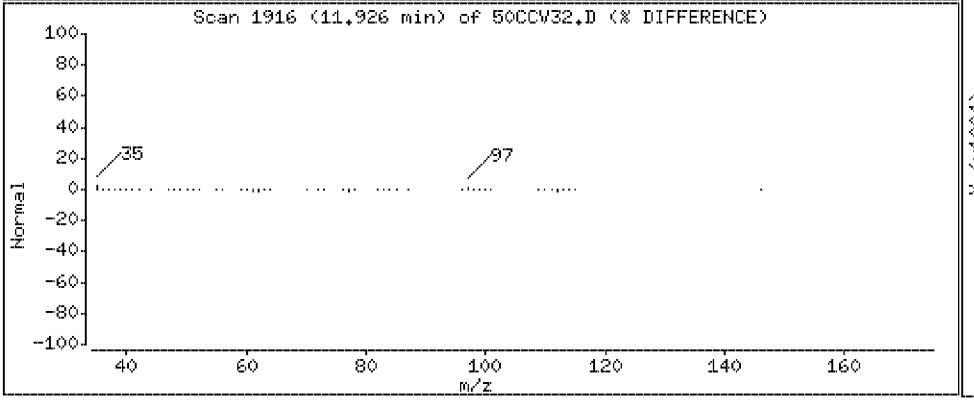
Column phase: DB-624 Column diameter: 0.18

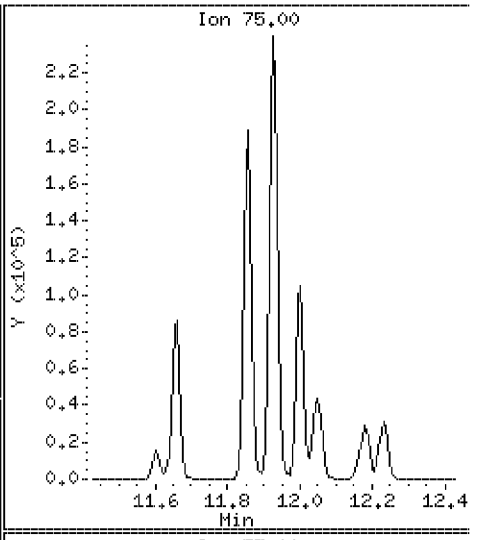
75 1,2,3- trichloropropane Concentration: 43.3 ug/l

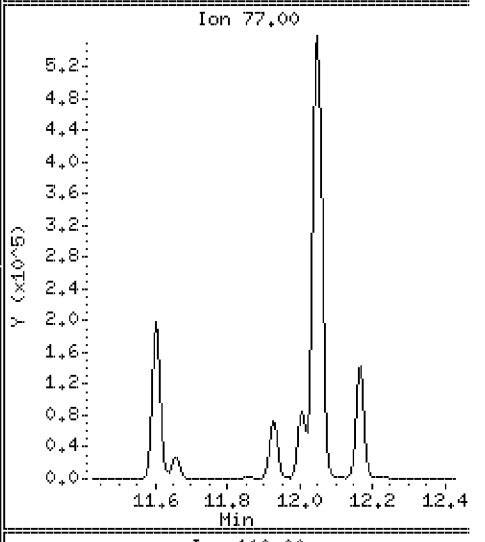


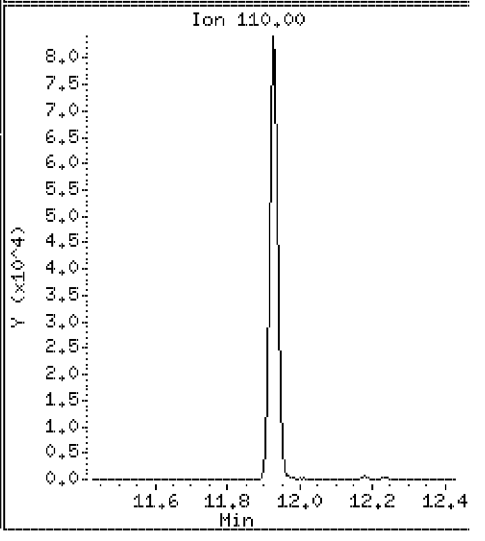












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

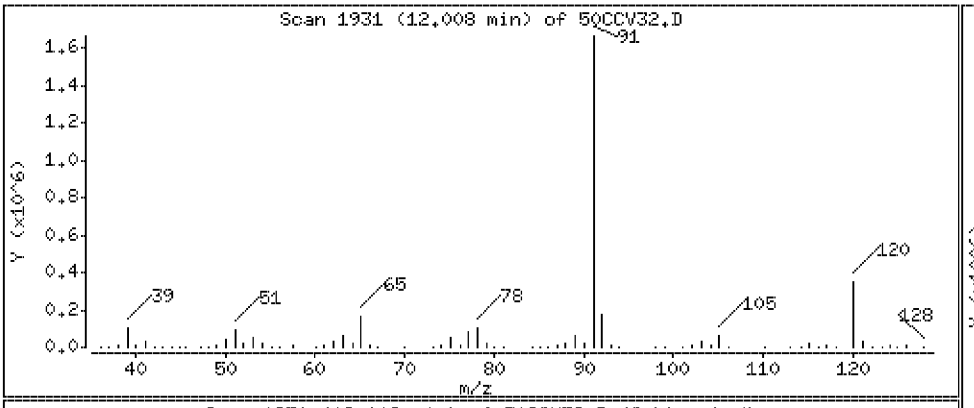
Client ID: 082107CCVA32 | Instrument: vms03.i

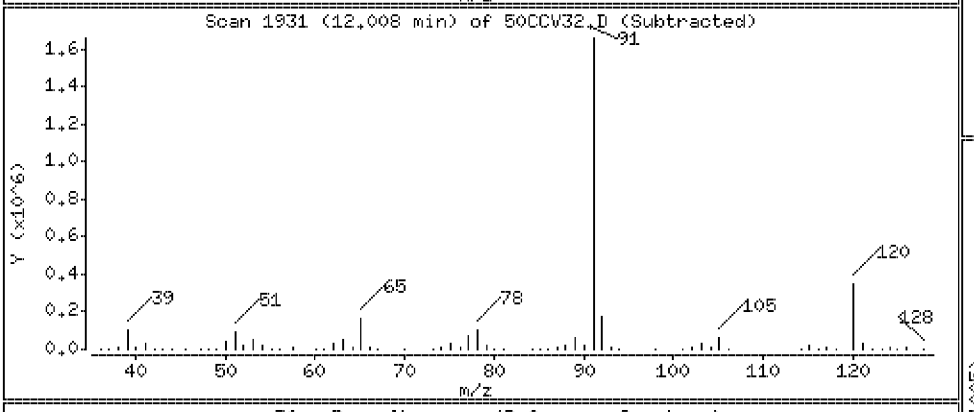
Sample Info: 082107CCVA32

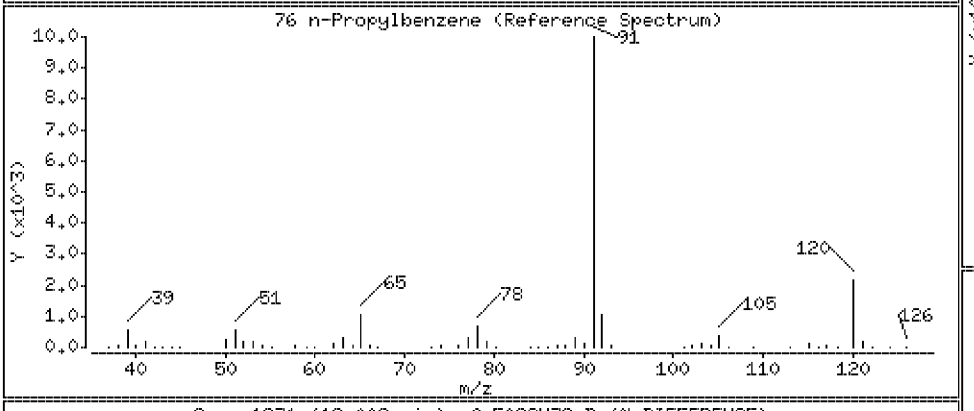
Purge Volume: 5.0 | Operator:

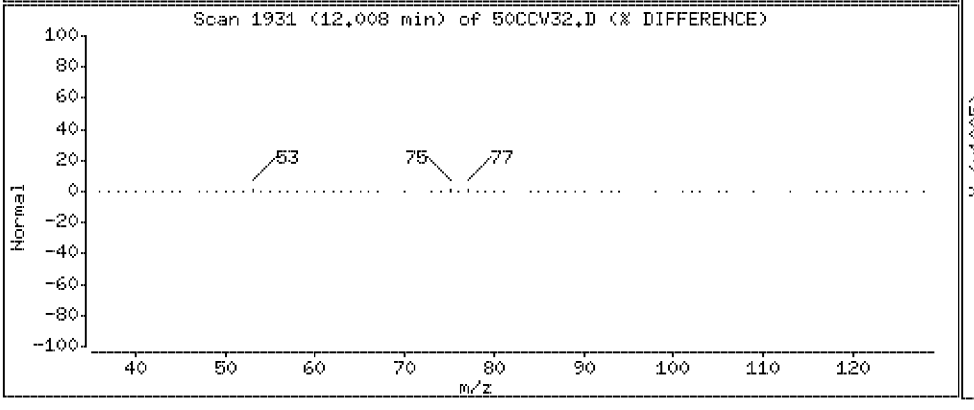
Column phase: DB-624 | Column diameter: 0.18

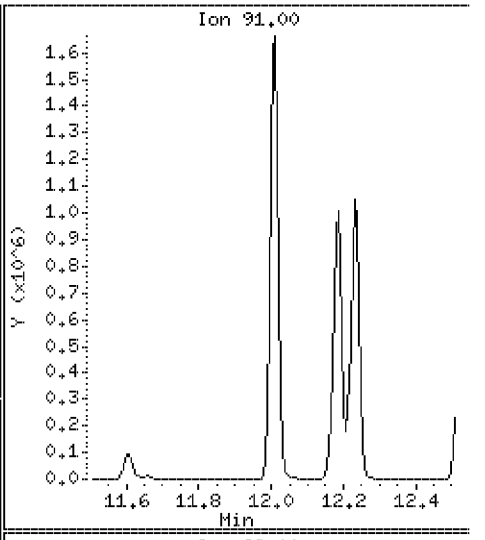
76 n-Propylbenzene | Concentration: 47.9 ug/l

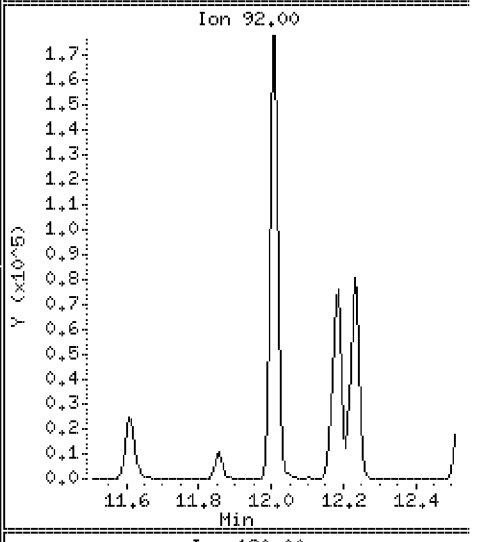


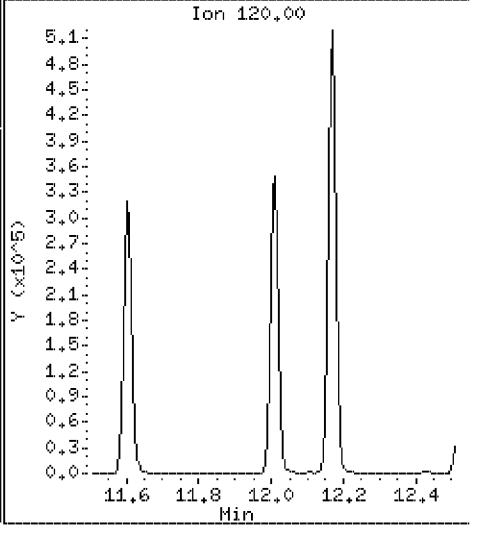












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

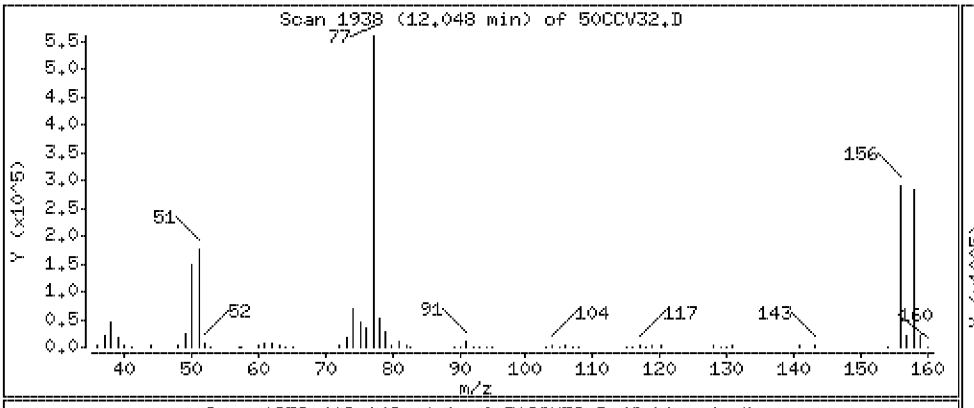
Client ID: 082107CCVA32 Instrument: vms03.i

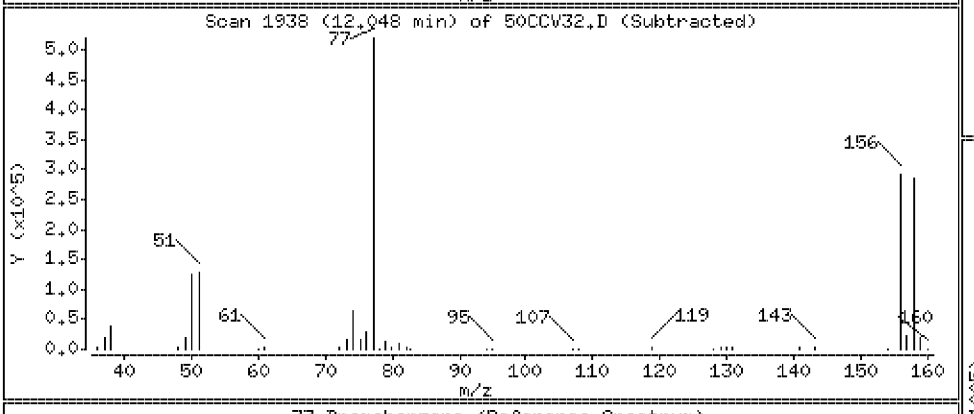
Sample Info: 082107CCVA32

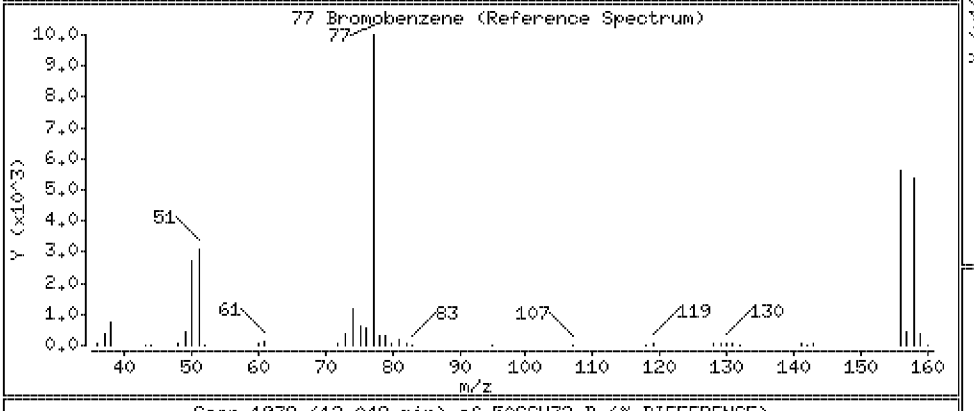
Purge Volume: 5.0 Operator:

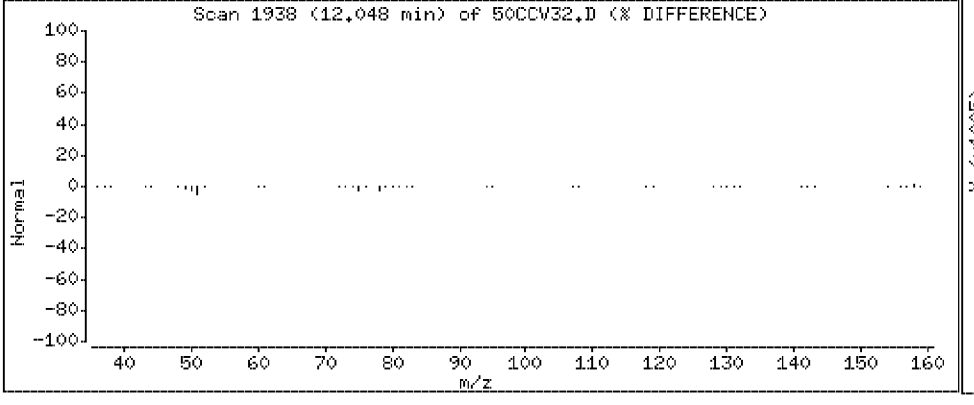
Column phase: DB-624 Column diameter: 0.18

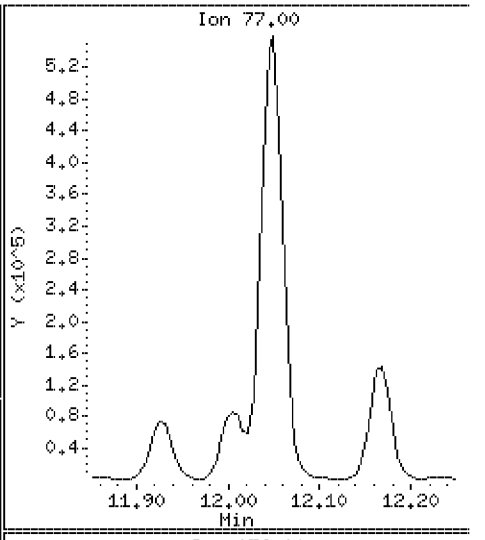
77 Bromobenzene Concentration: 46.4 ug/l

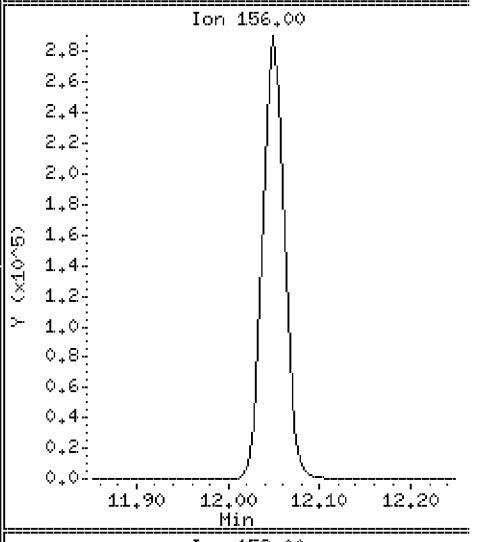


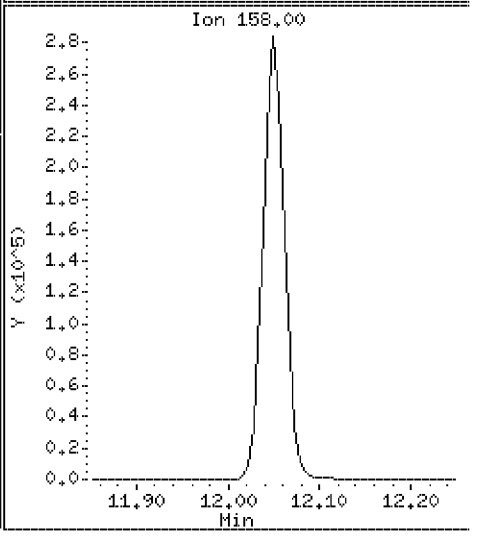












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

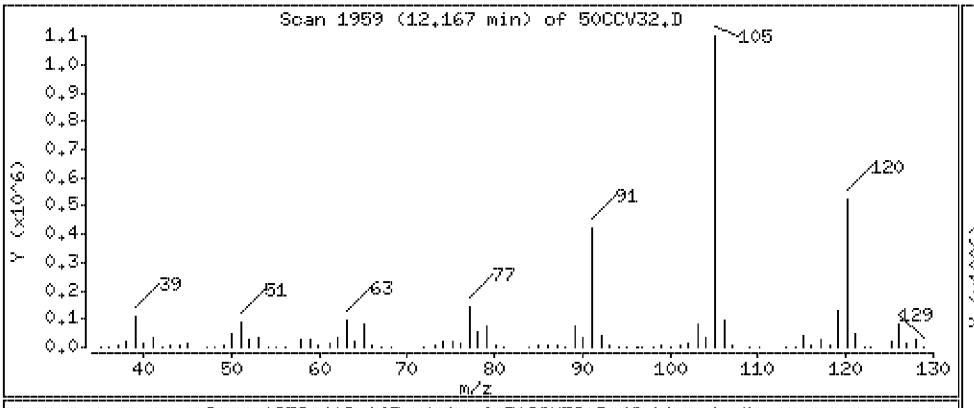
Client ID: 082107CCVA32 Instrument: vms03.i

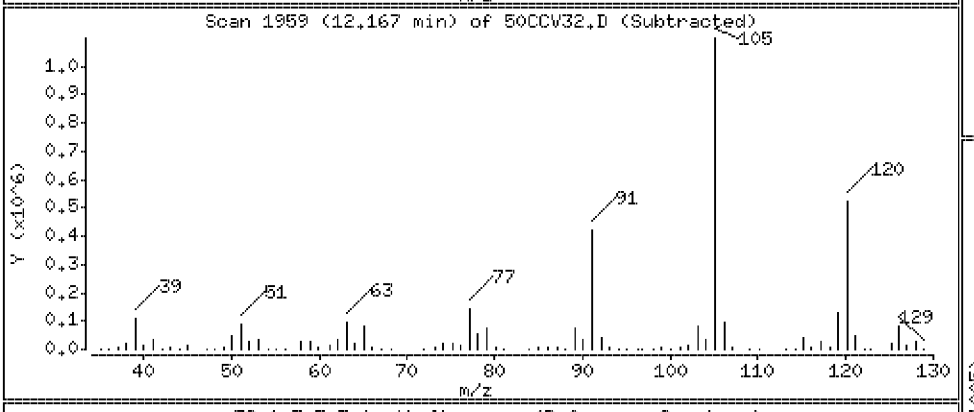
Sample Info: 082107CCVA32

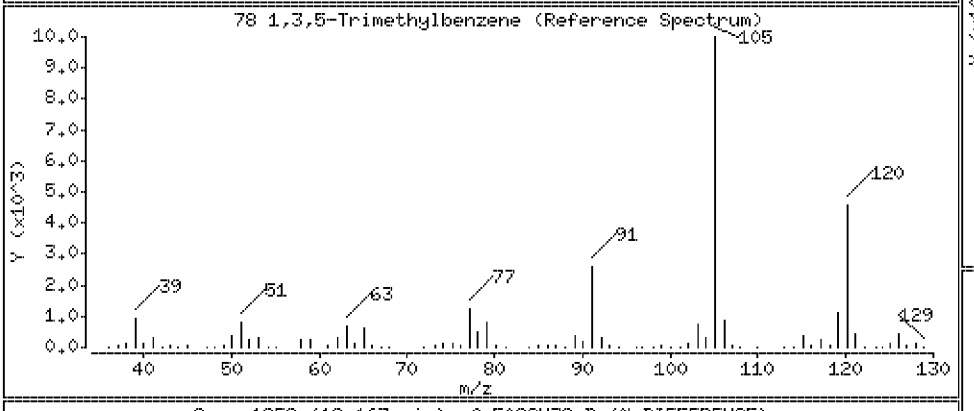
Purge Volume: 5.0 Operator:

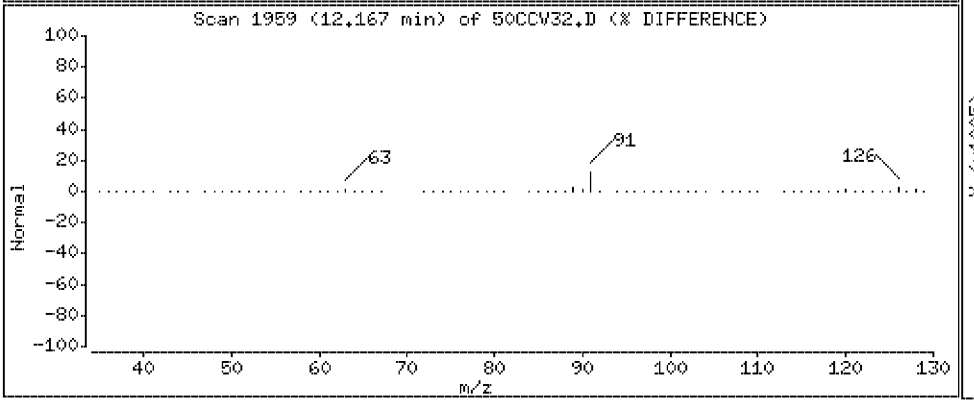
Column phase: DB-624 Column diameter: 0.18

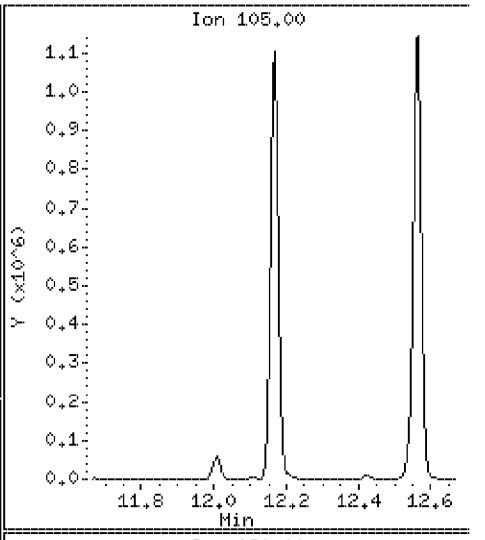
78 1,3,5-Trimethylbenzene Concentration: 47.0 ug/l

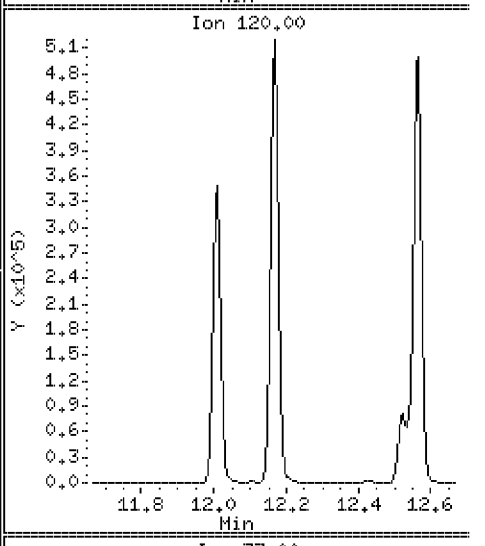


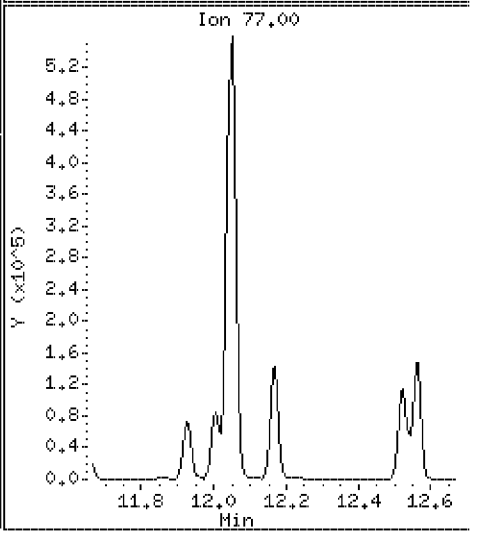












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

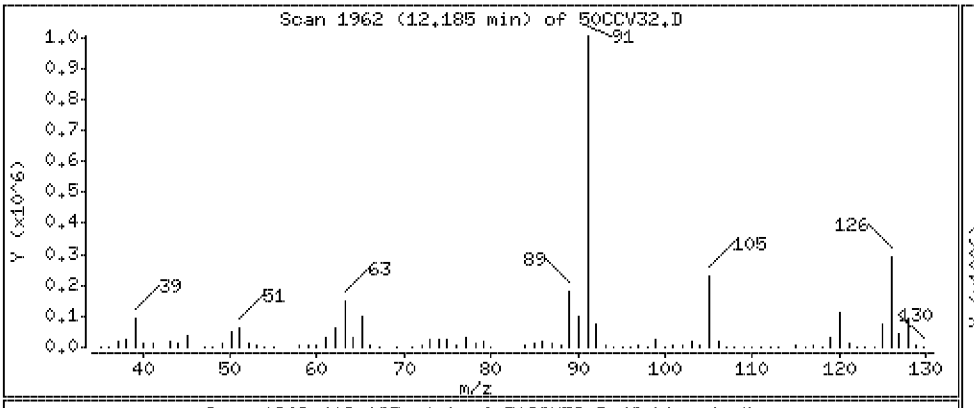
Client ID: 082107CCVA32 Instrument: vms03.i

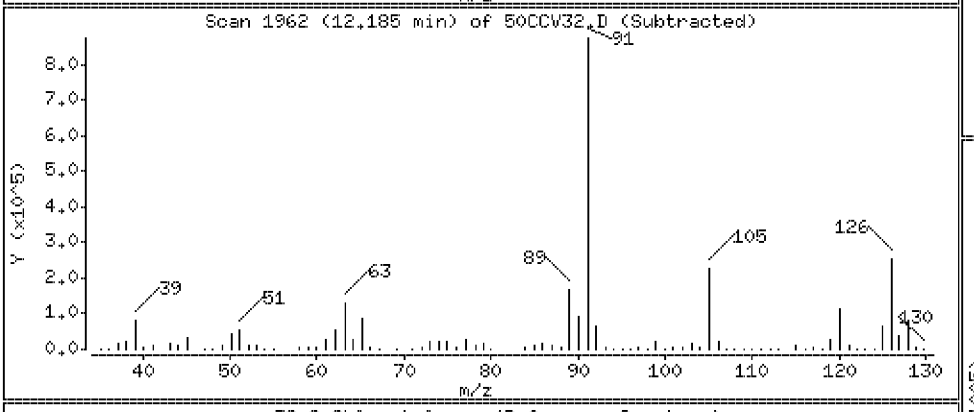
Sample Info: 082107CCVA32

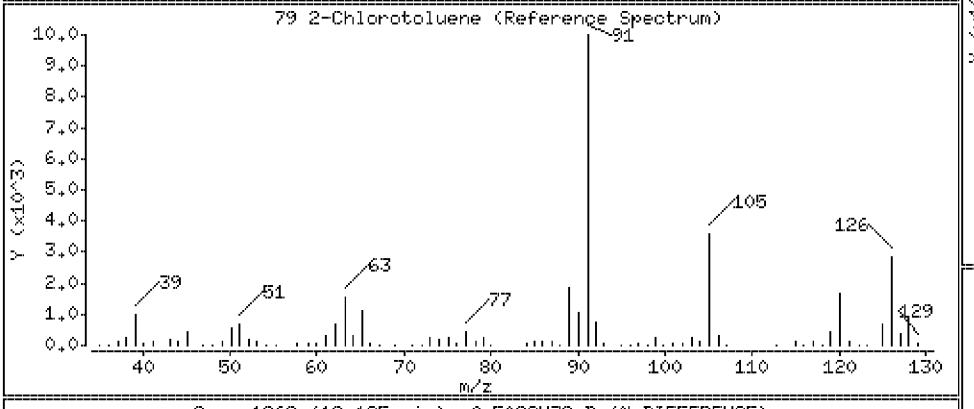
Purge Volume: 5.0 Operator:

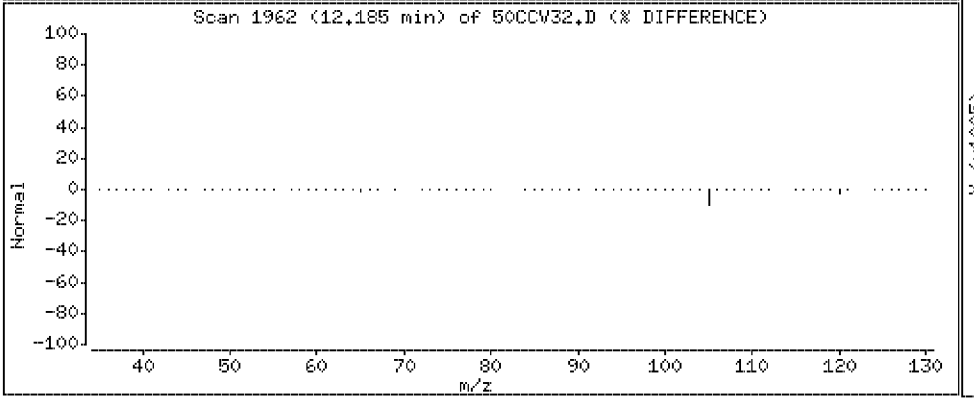
Column phase: DB-624 Column diameter: 0.18

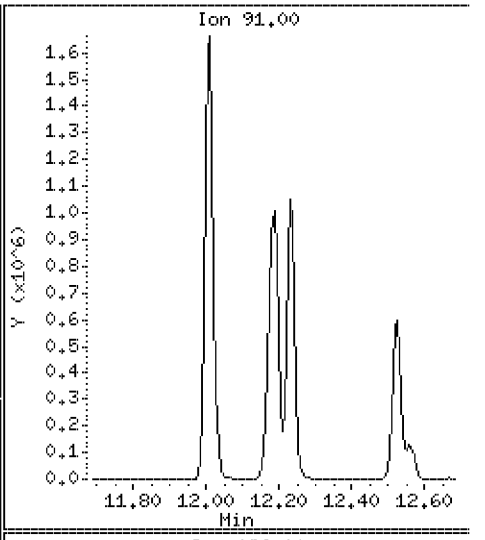
79 2-Chlorotoluene Concentration: 47.5 ug/l

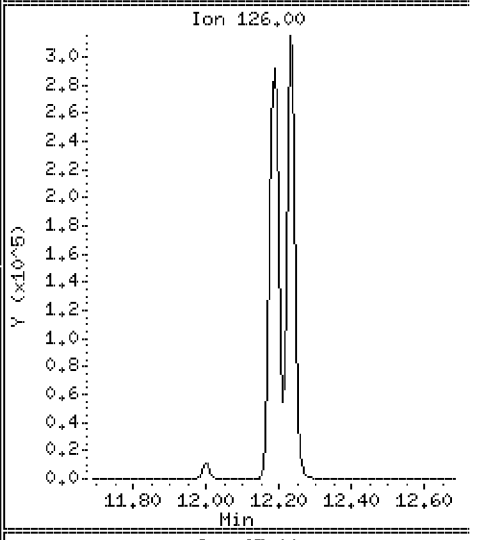


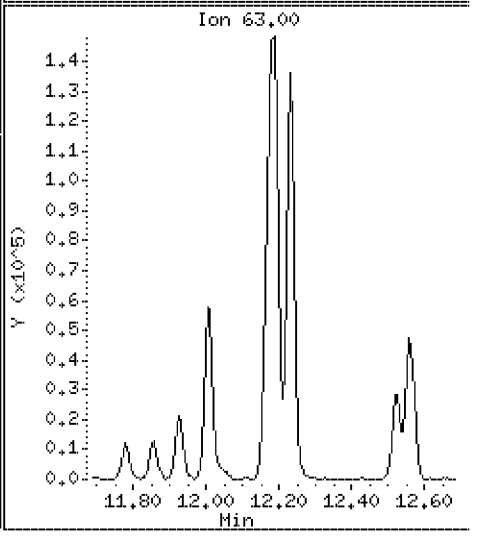












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

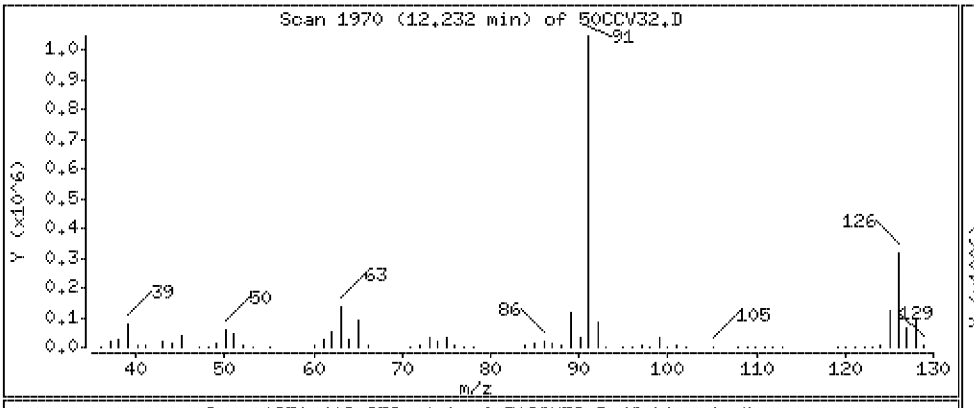
Client ID: 082107CCVA32 Instrument: vms03.i

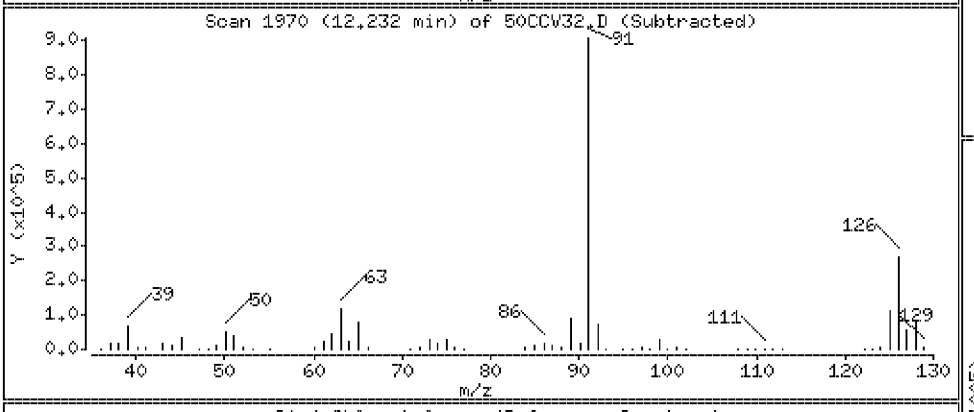
Sample Info: 082107CCVA32

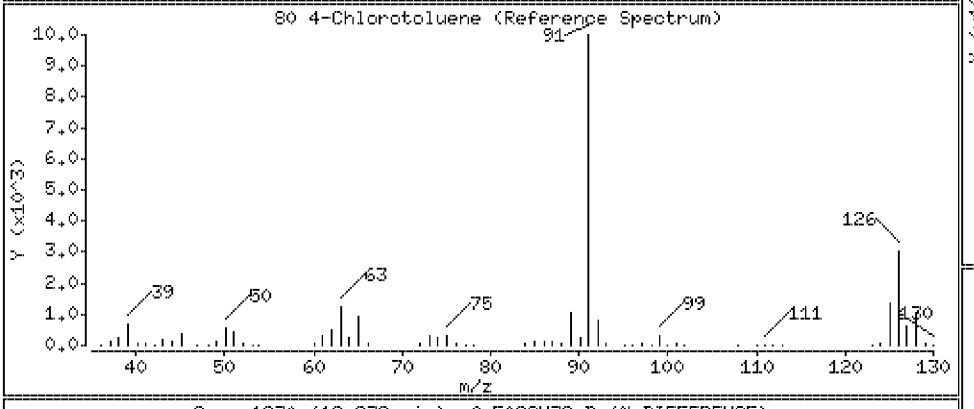
Purge Volume: 5.0 Operator:

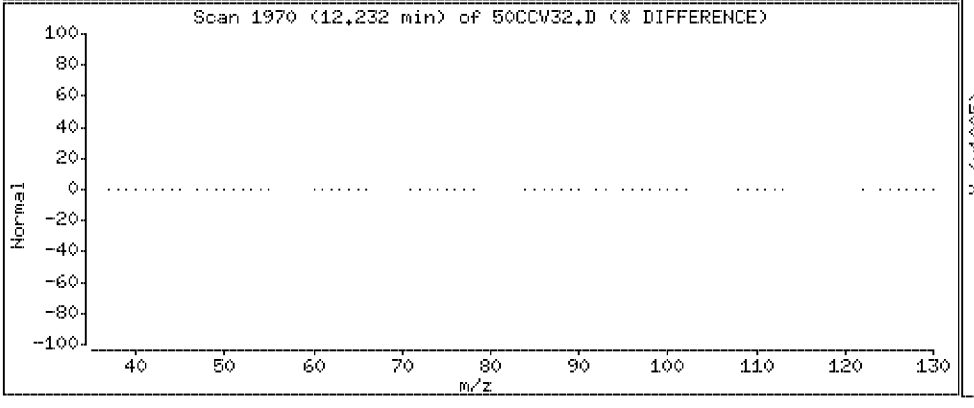
Column phase: DB-624 Column diameter: 0.18

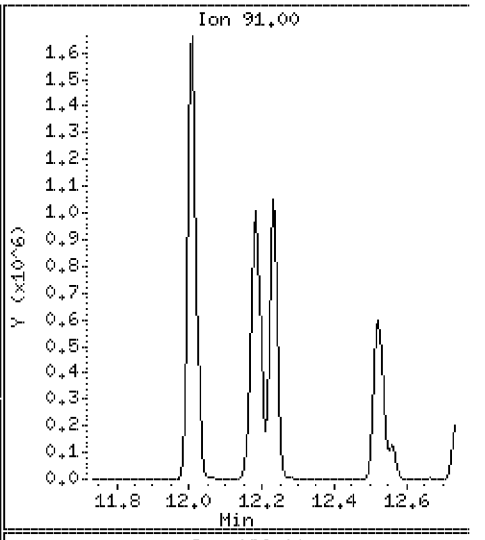
80 4-Chlorotoluene Concentration: 46.5 ug/l

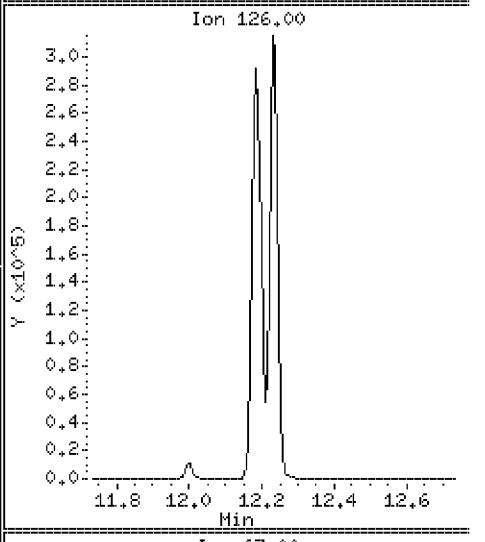


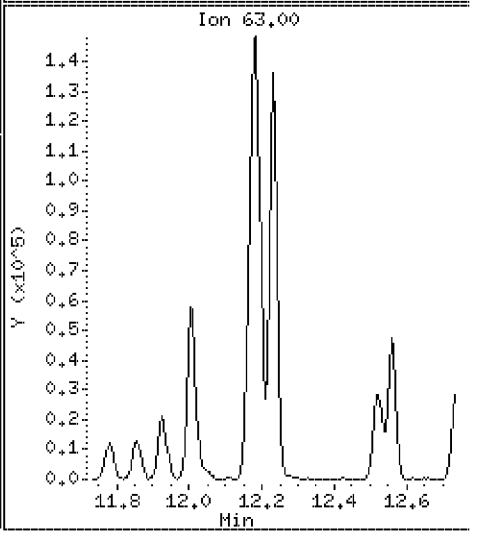












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

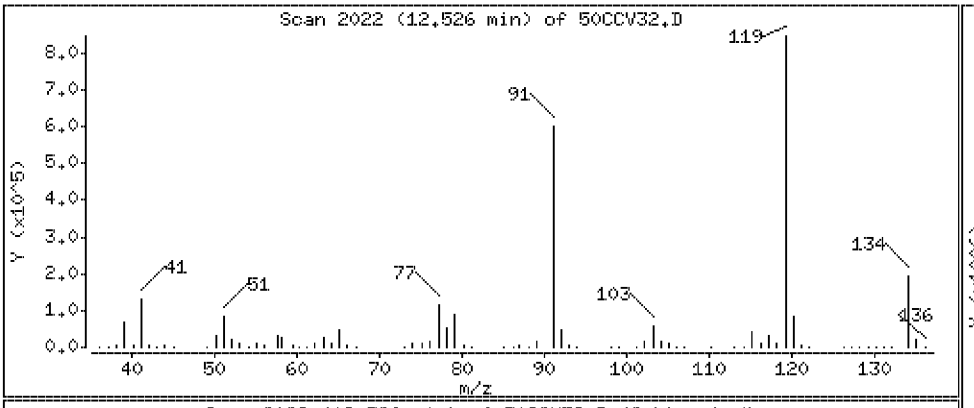
Client ID: 082107CCVA32 Instrument: vms03.i

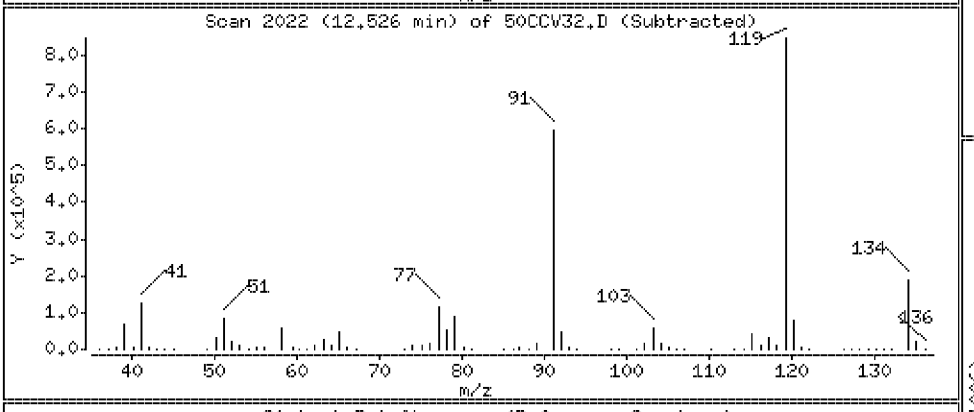
Sample Info: 082107CCVA32

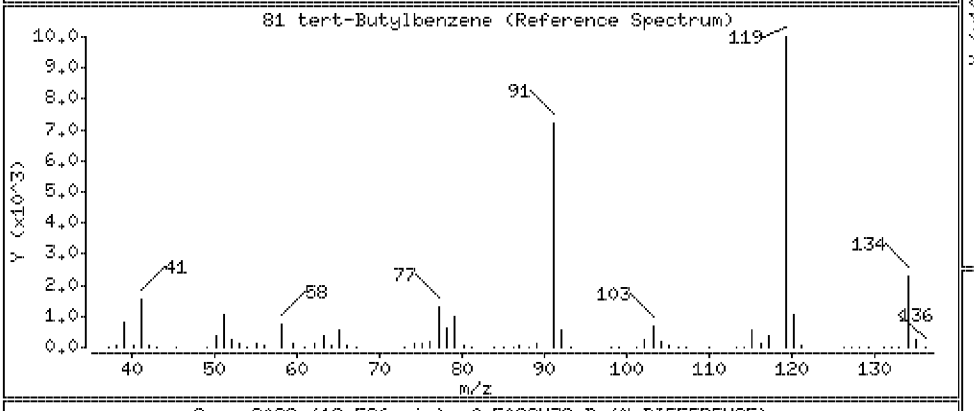
Purge Volume: 5.0 Operator:

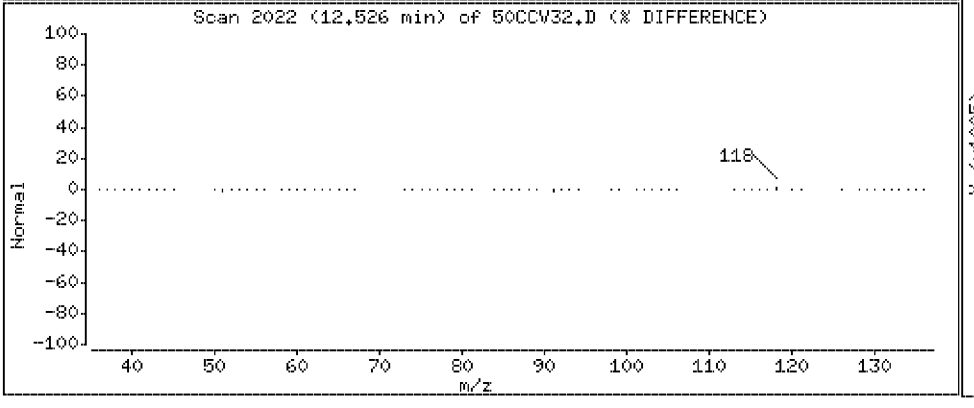
Column phase: DB-624 Column diameter: 0.18

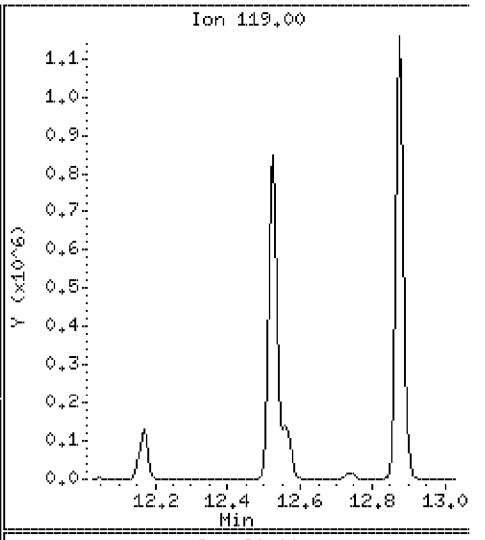
81 tert-Butylbenzene Concentration: 48.5 ug/l

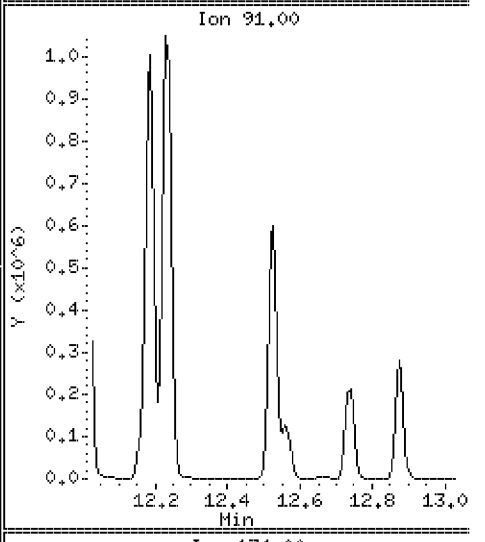


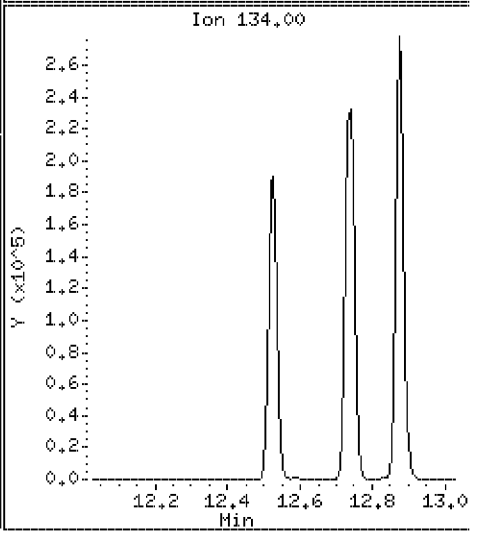












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

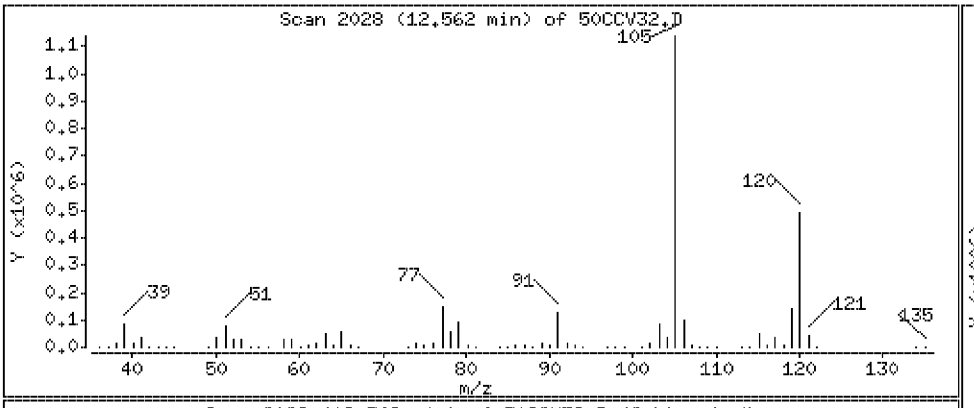
Client ID: 082107CCVA32 Instrument: vms03.i

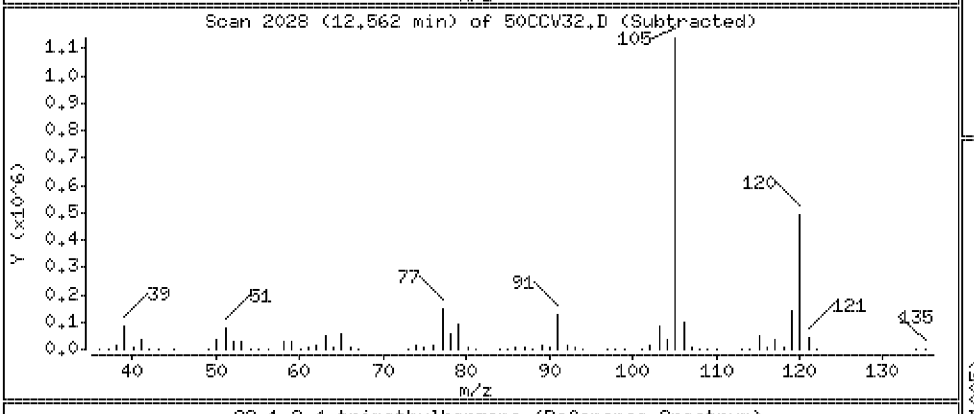
Sample Info: 082107CCVA32

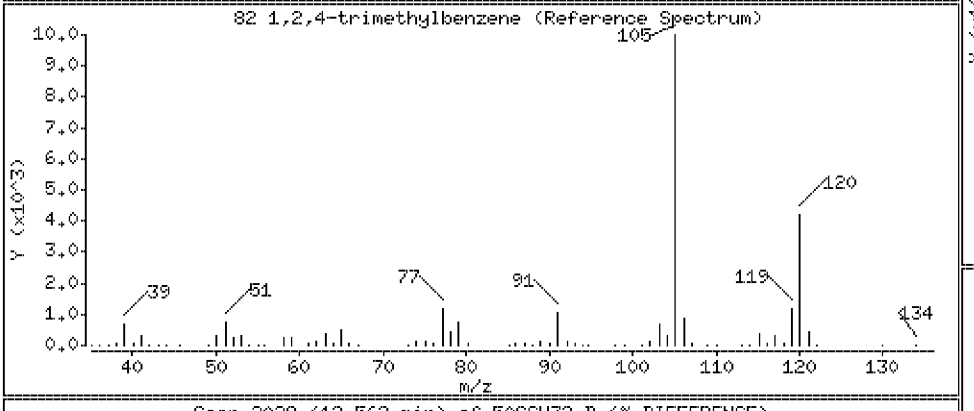
Purge Volume: 5.0 Operator:

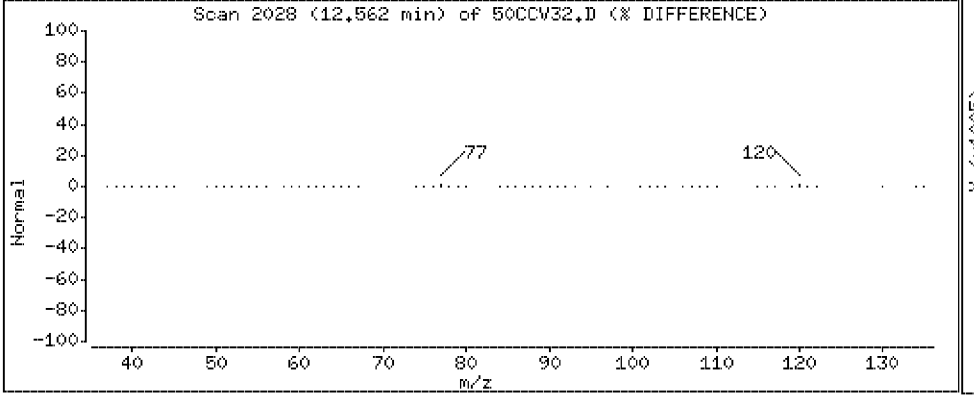
Column phase: DB-624 Column diameter: 0.18

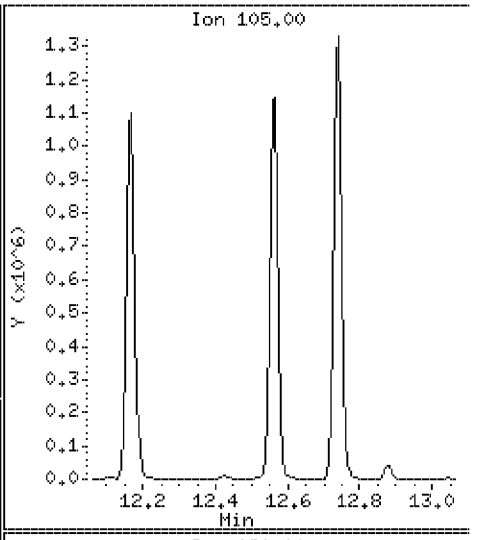
82 1,2,4-trimethylbenzene Concentration: 49.4 ug/l

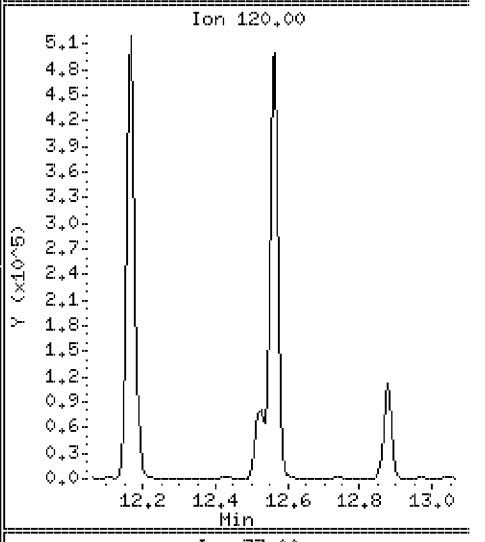


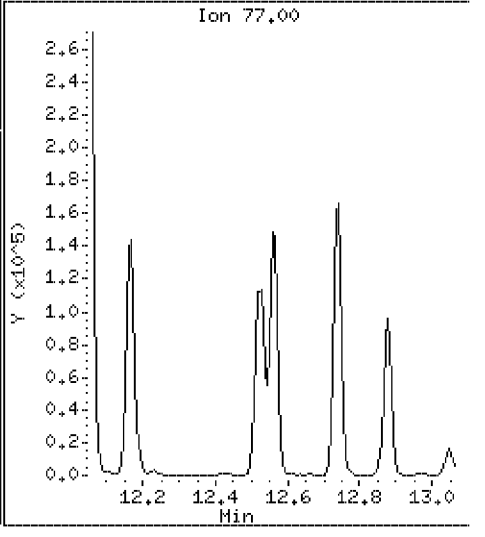












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

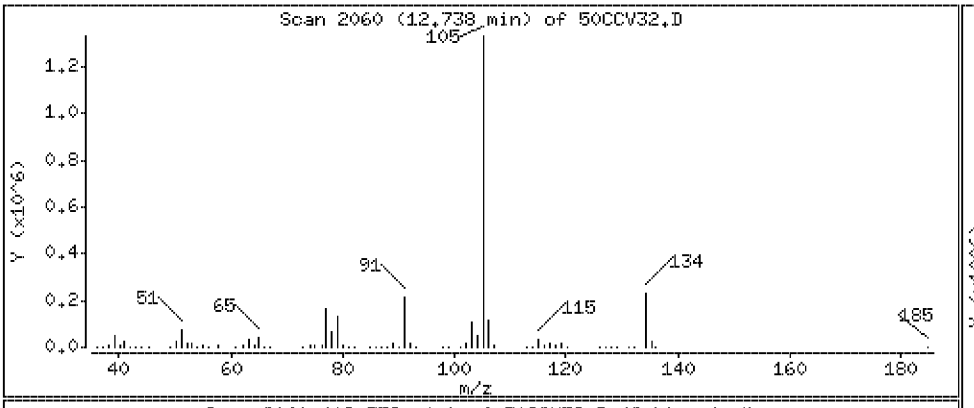
Client ID: 082107CCVA32 Instrument: vms03.i

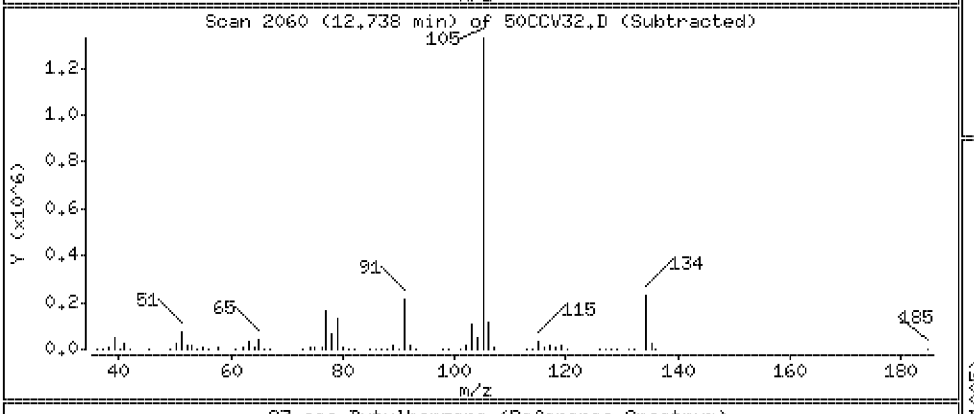
Sample Info: 082107CCVA32

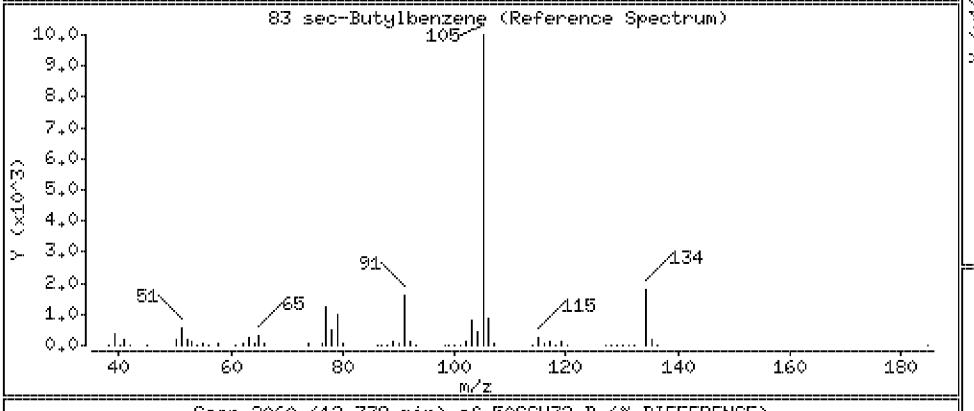
Purge Volume: 5.0 Operator:

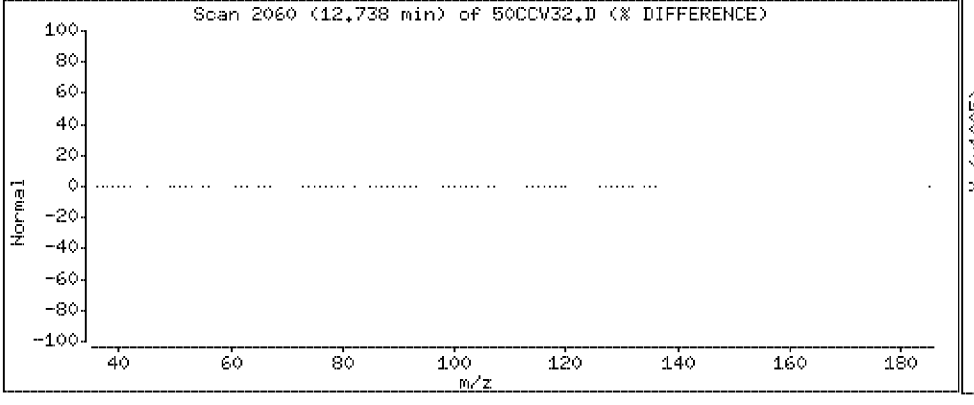
Column phase: DB-624 Column diameter: 0.18

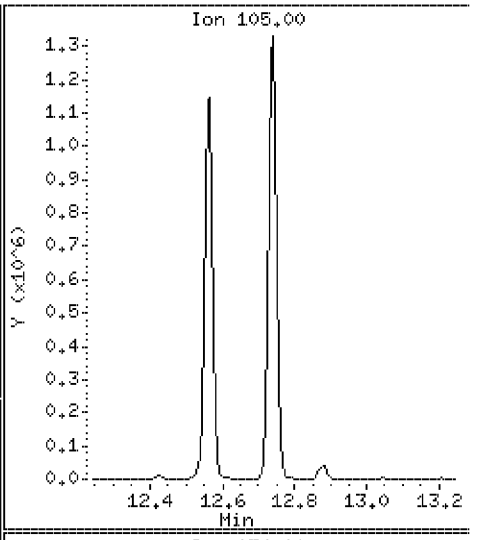
83 sec-Butylbenzene Concentration: 47.7 ug/l

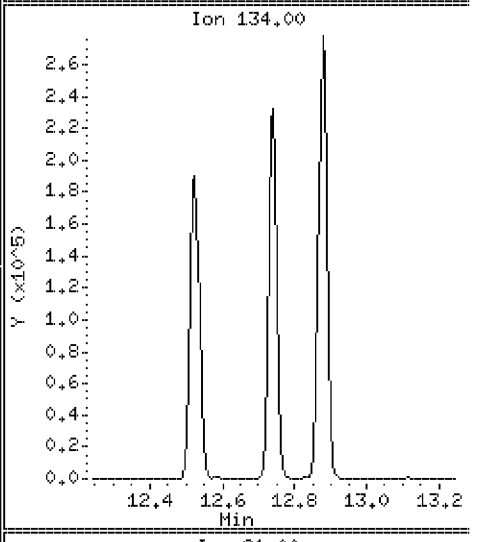


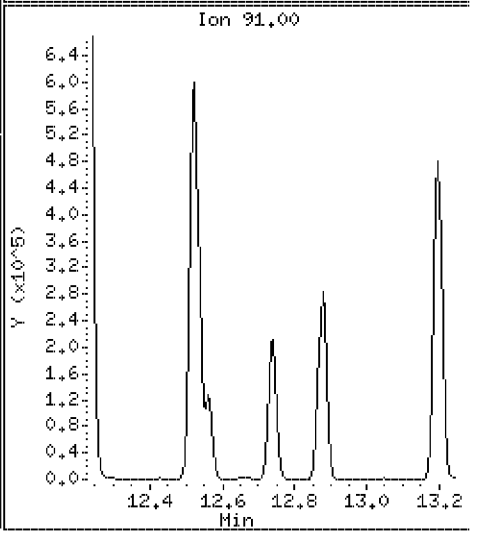












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

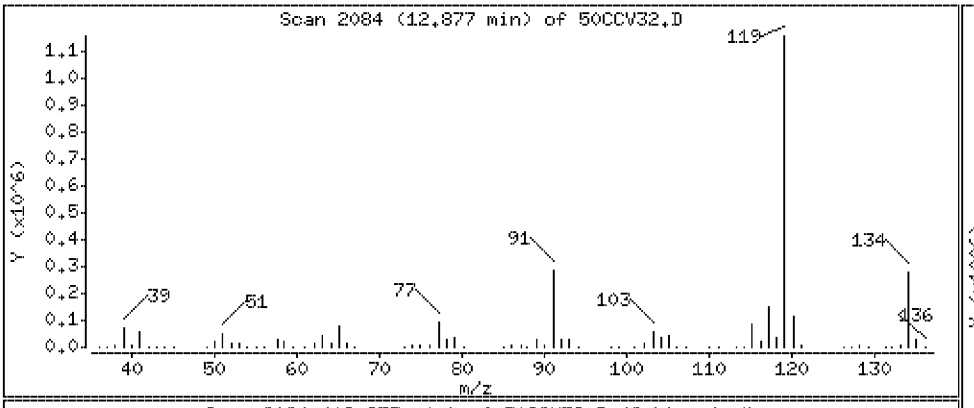
Client ID: 082107CCVA32 Instrument: vms03.i

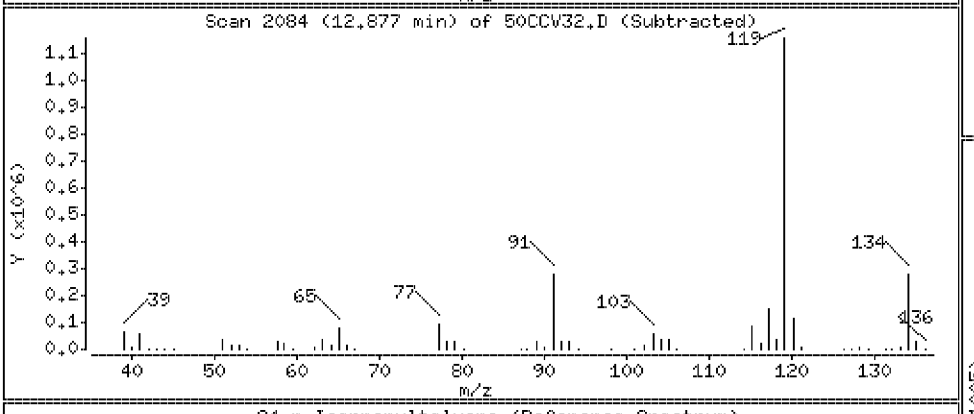
Sample Info: 082107CCVA32

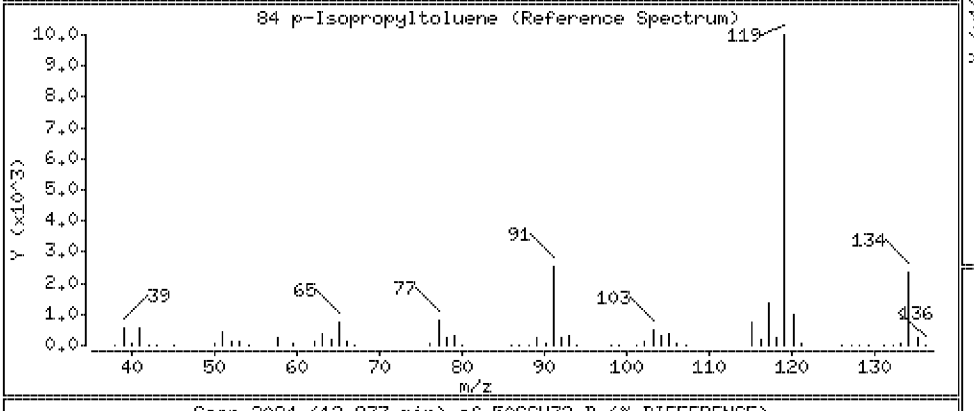
Purge Volume: 5.0 Operator:

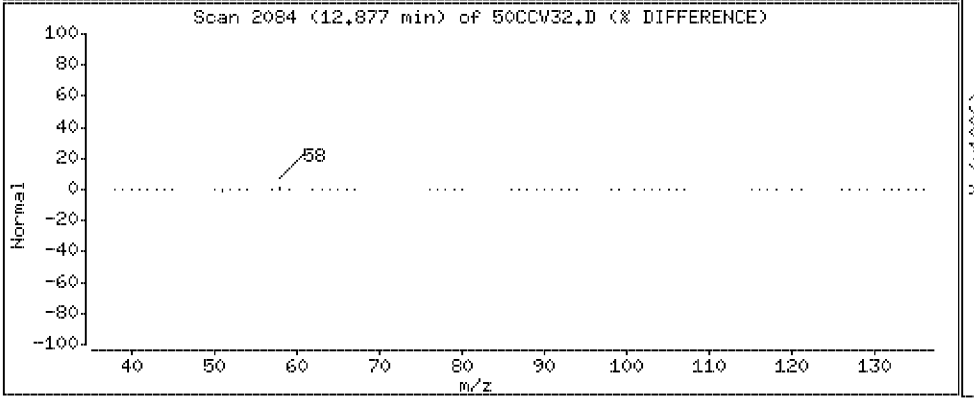
Column phase: DB-624 Column diameter: 0.18

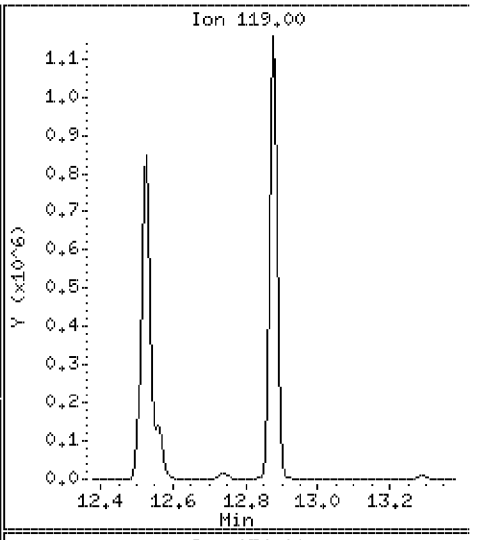
84 p-Isopropyltoluene Concentration: 47.9 ug/l

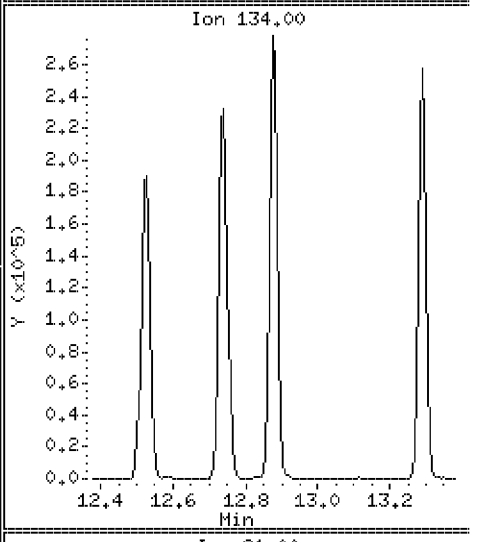


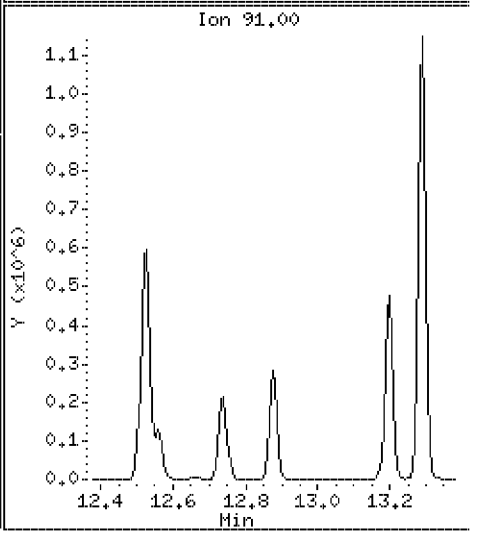












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

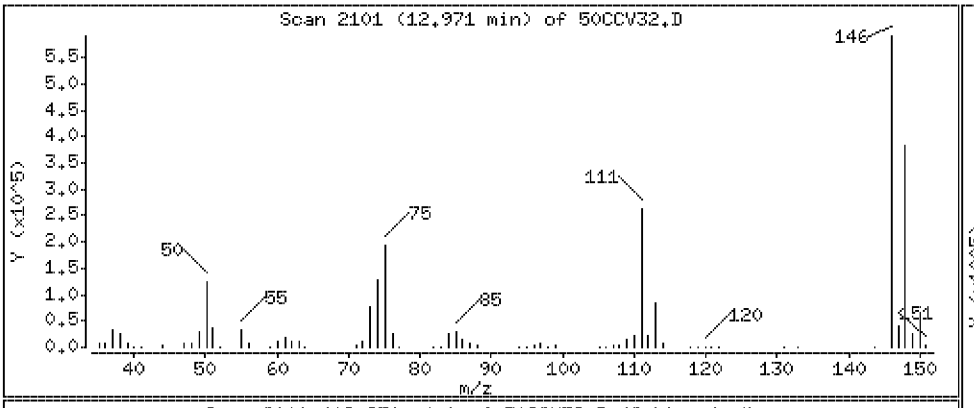
Client ID: 082107CCVA32 Instrument: vms03.i

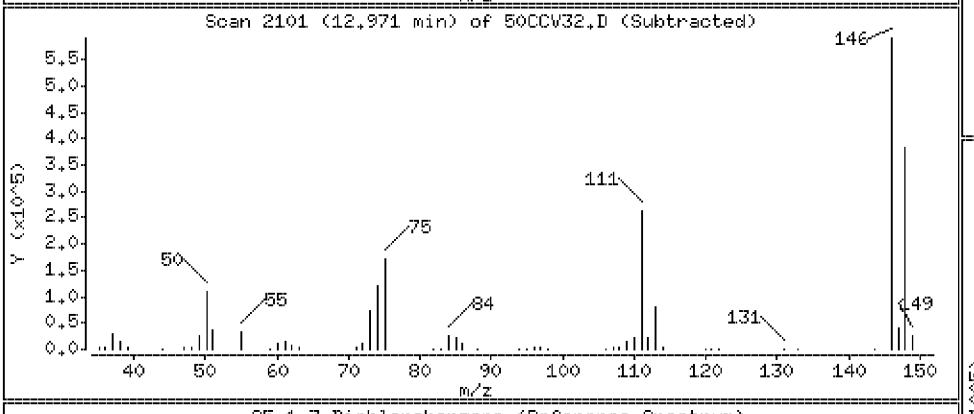
Sample Info: 082107CCVA32

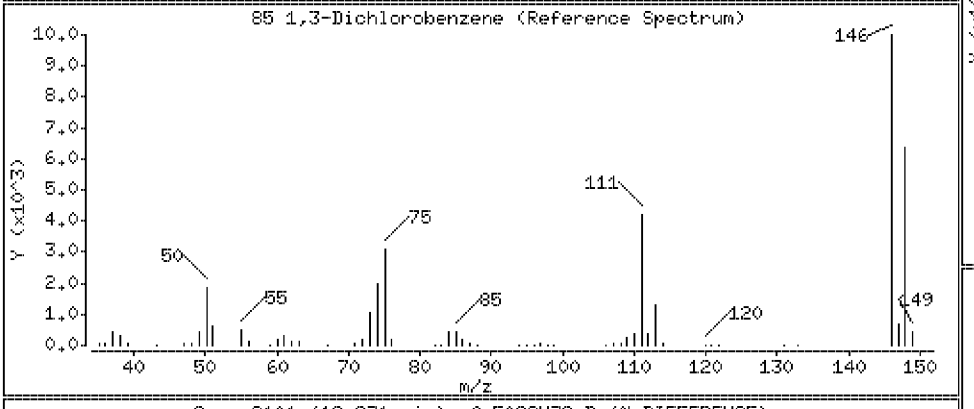
Purge Volume: 5.0 Operator:

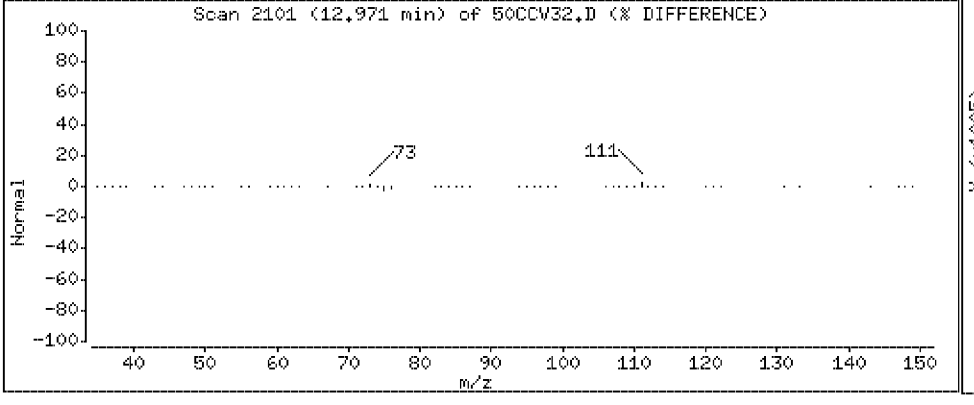
Column phase: DB-624 Column diameter: 0.18

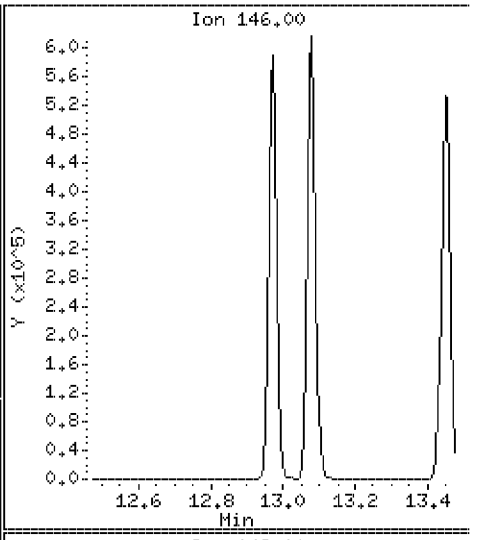
85 1,3-Dichlorobenzene Concentration: 47.7 ug/l

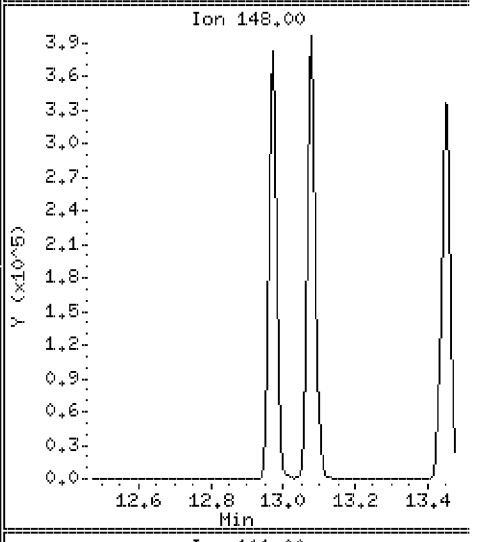


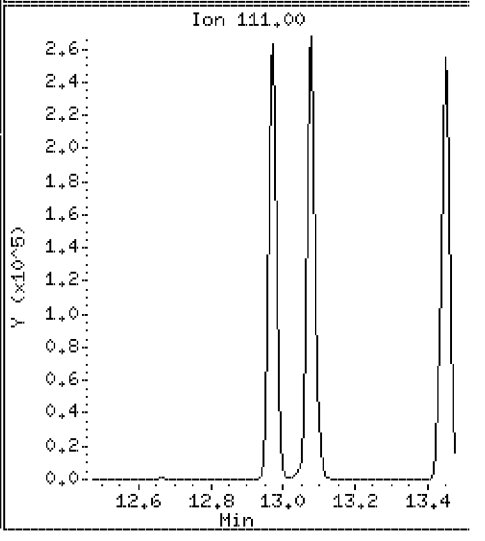












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

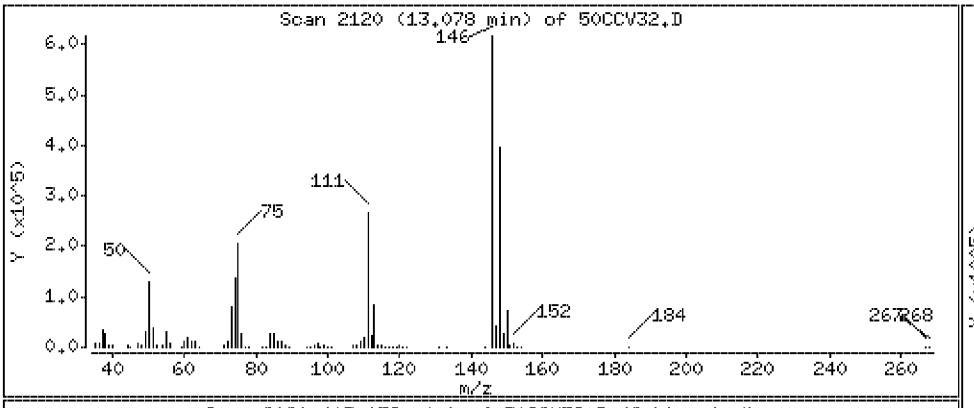
Client ID: 082107CCVA32 Instrument: vms03.i

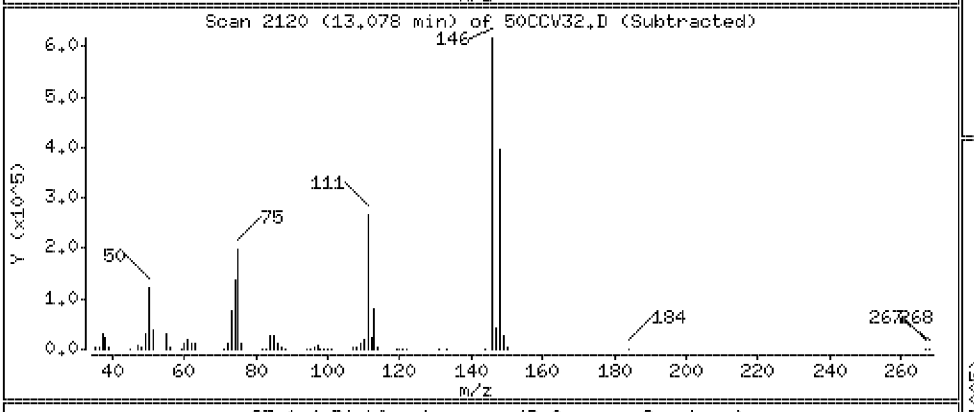
Sample Info: 082107CCVA32

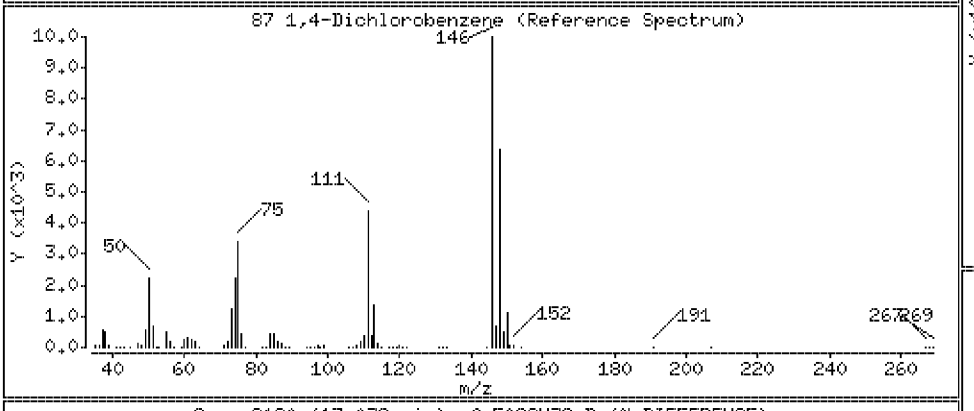
Purge Volume: 5.0 Operator:

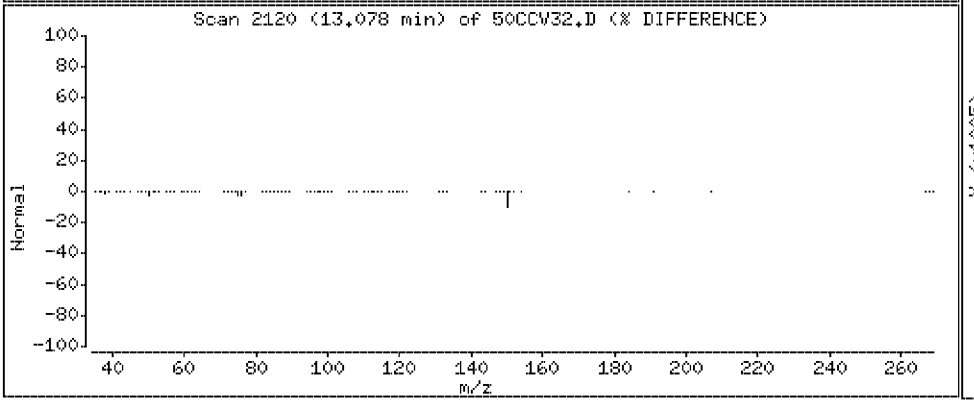
Column phase: DB-624 Column diameter: 0.18

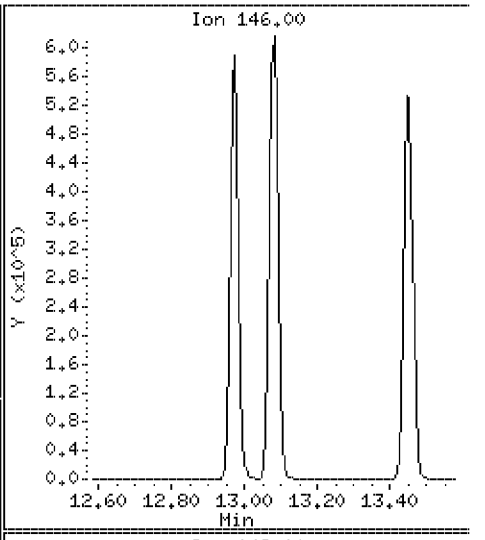
87 1,4-Dichlorobenzene Concentration: 48.6 ug/l

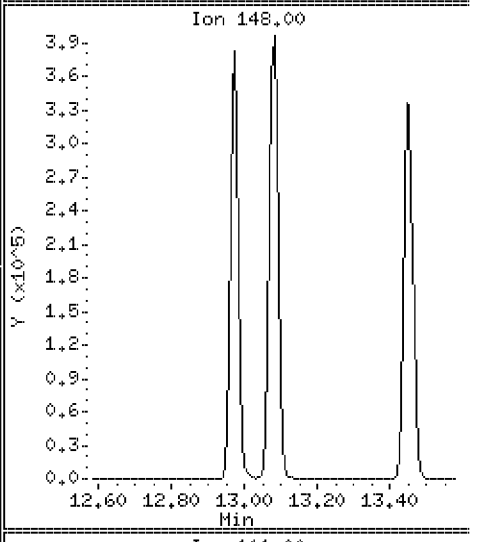


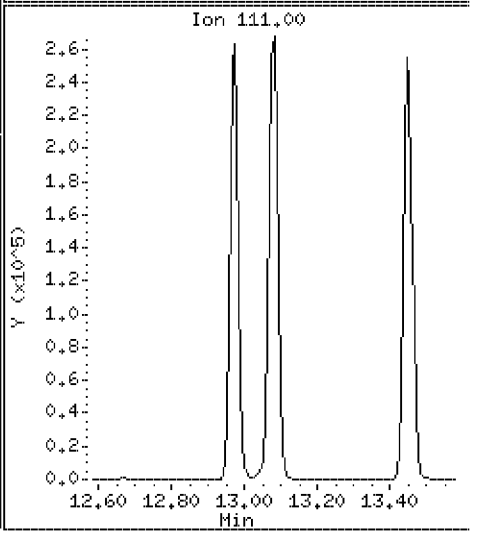












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

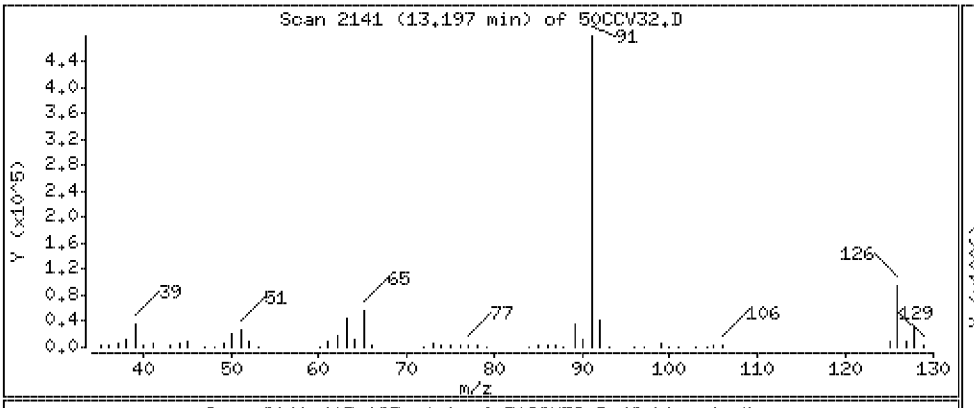
Client ID: 082107CCVA32 Instrument: vms03.i

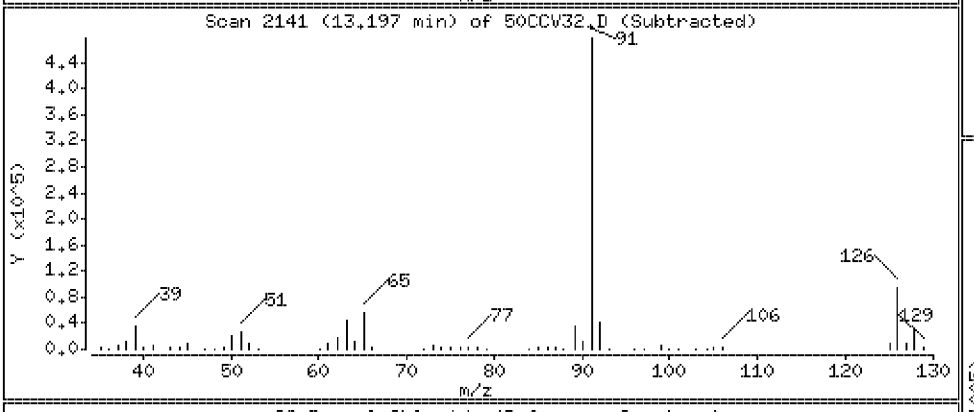
Sample Info: 082107CCVA32

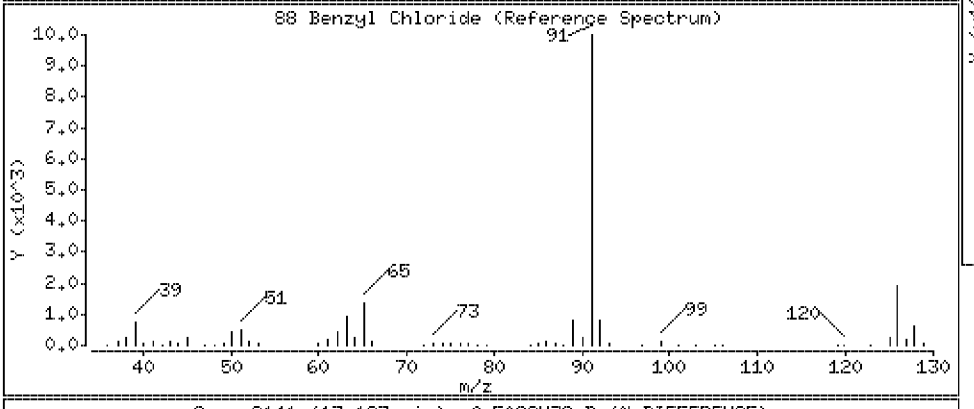
Purge Volume: 5.0 Operator:

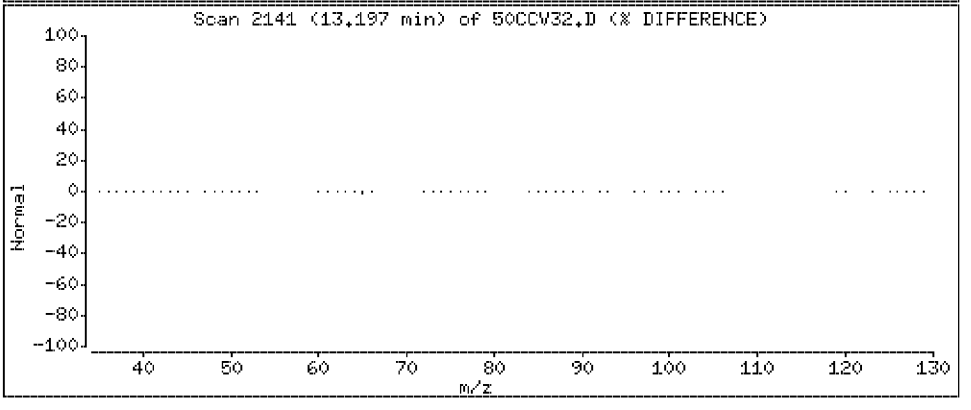
Column phase: DB-624 Column diameter: 0.18

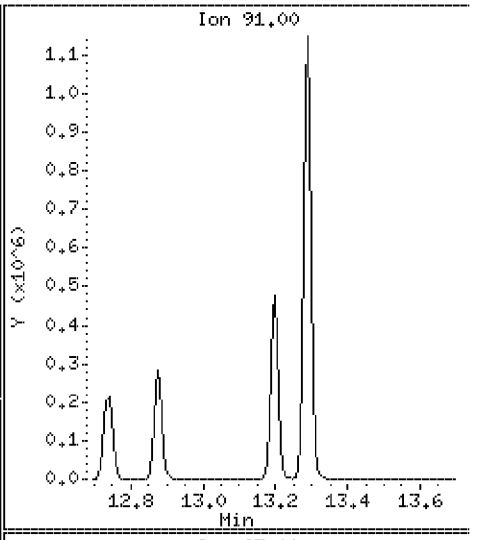
88 Benzyl Chloride Concentration: 61.0 ug/l

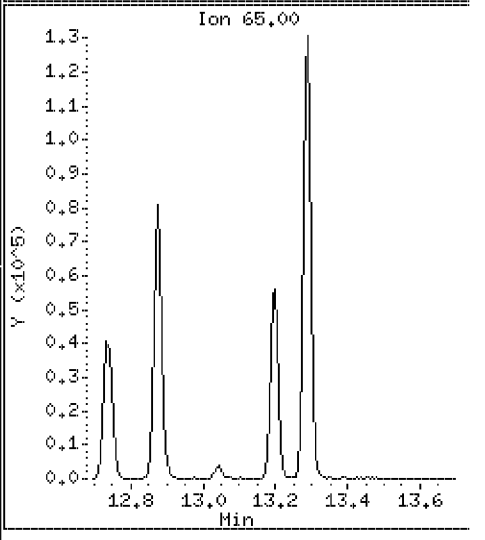












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

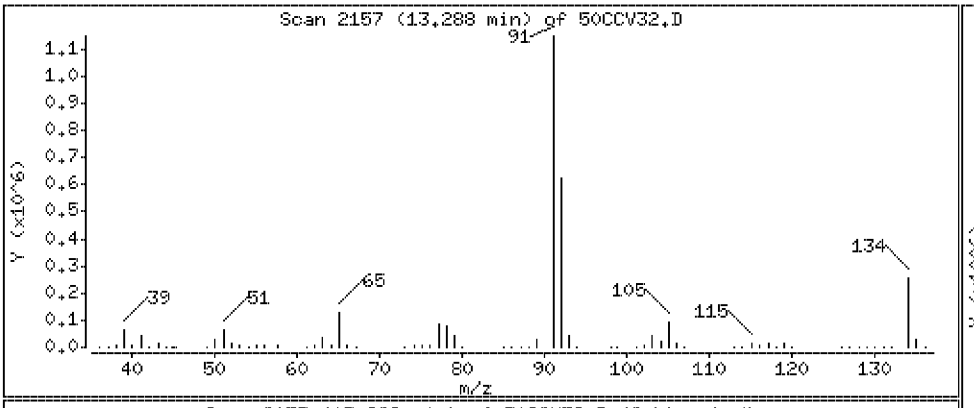
Client ID: 082107CCVA32 Instrument: vms03.i

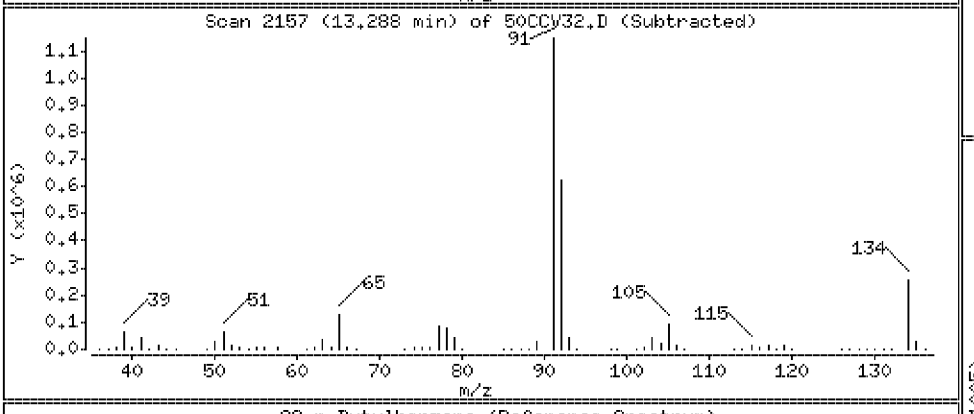
Sample Info: 082107CCVA32

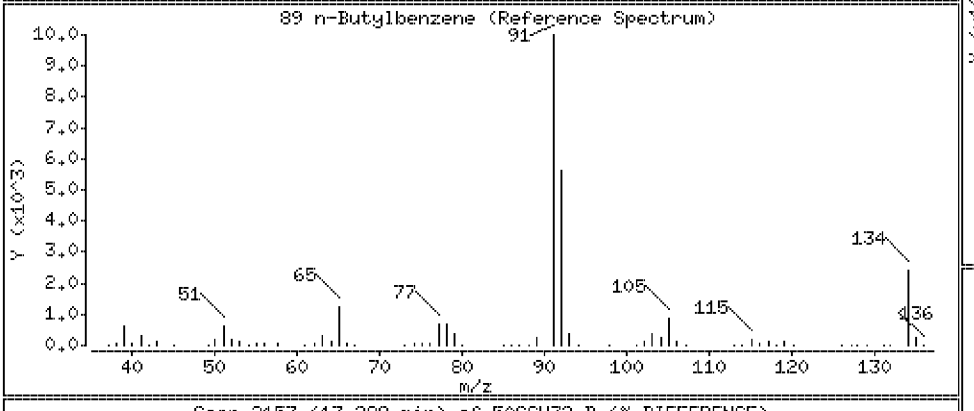
Purge Volume: 5.0 Operator:

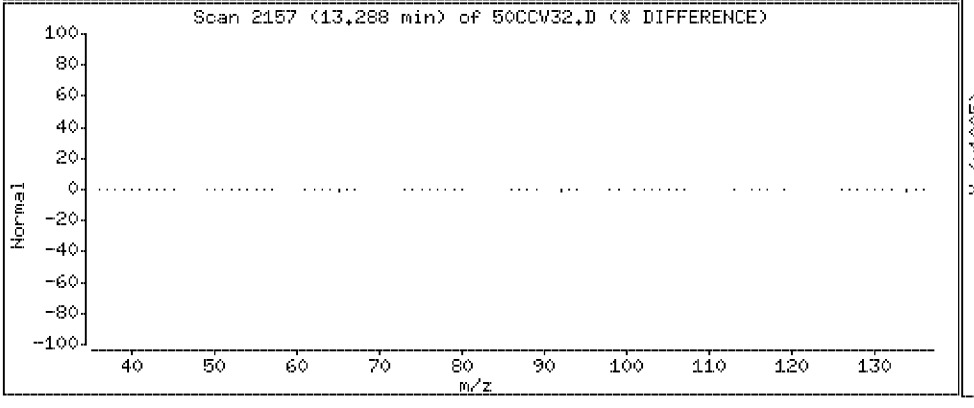
Column phase: DB-624 Column diameter: 0.18

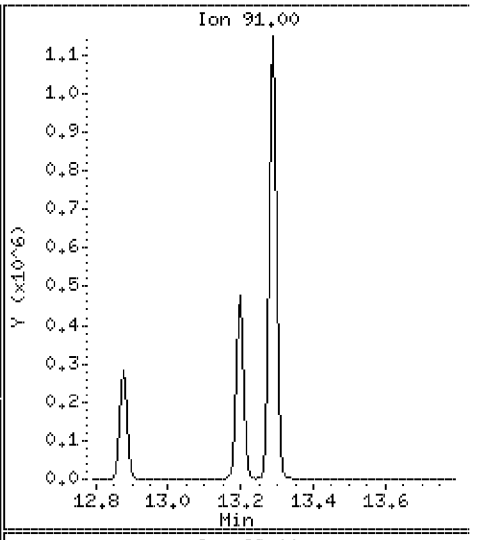
89 n-Butylbenzene Concentration: 47.4 ug/l

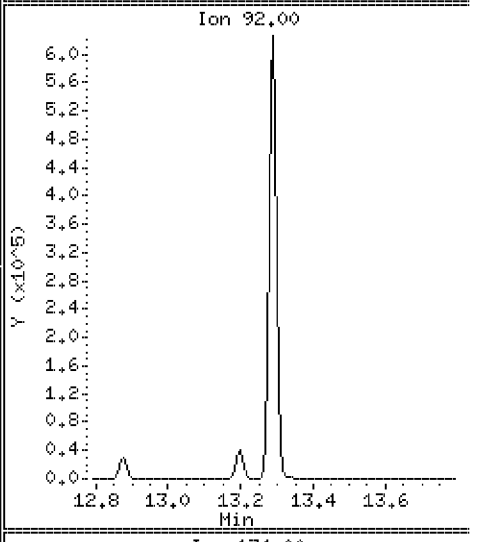


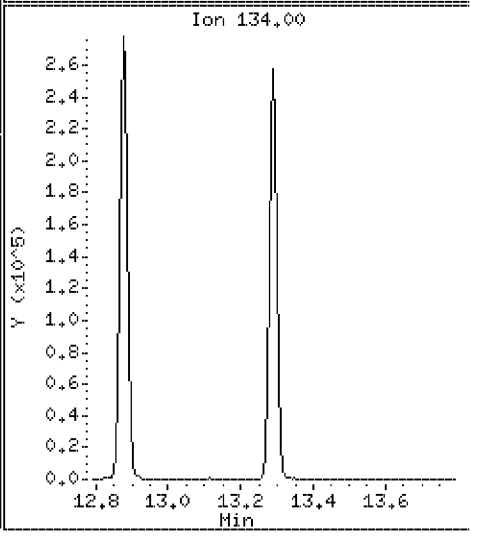












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

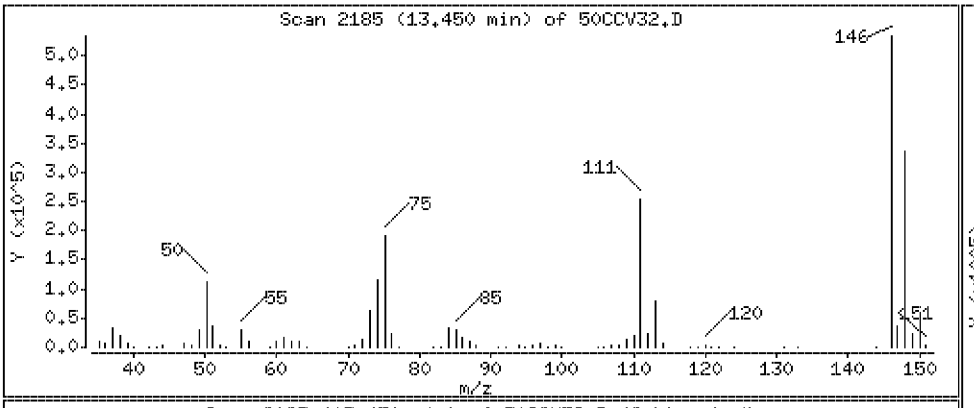
Client ID: 082107CCVA32 Instrument: vms03.i

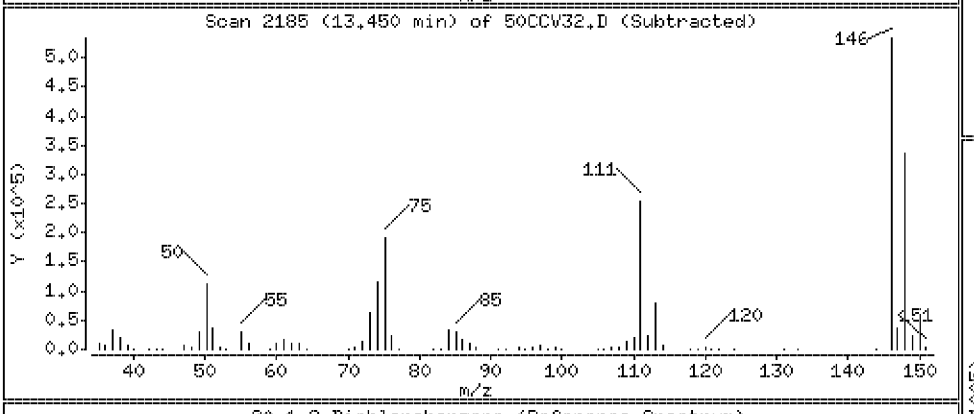
Sample Info: 082107CCVA32

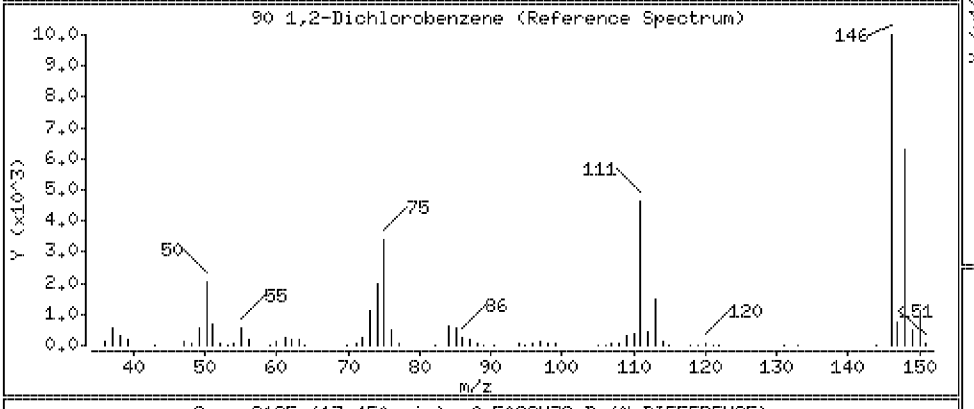
Purge Volume: 5.0 Operator:

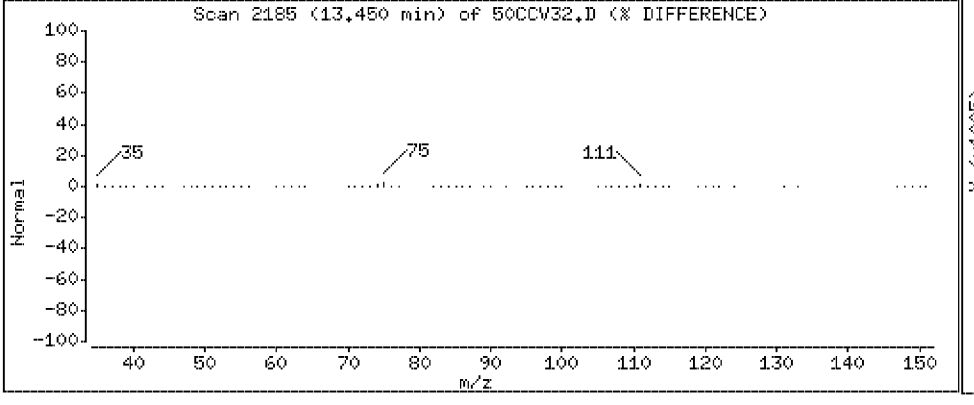
Column phase: DB-624 Column diameter: 0.18

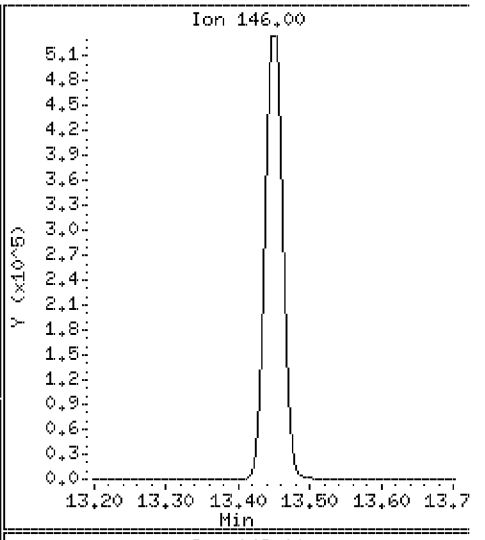
90 1,2-Dichlorobenzene Concentration: 47.0 ug/l

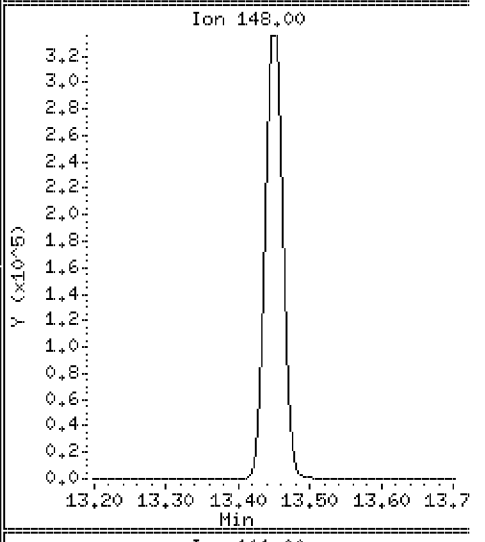


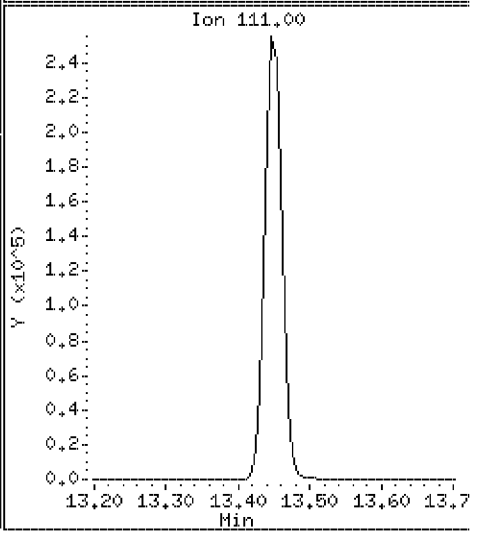












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

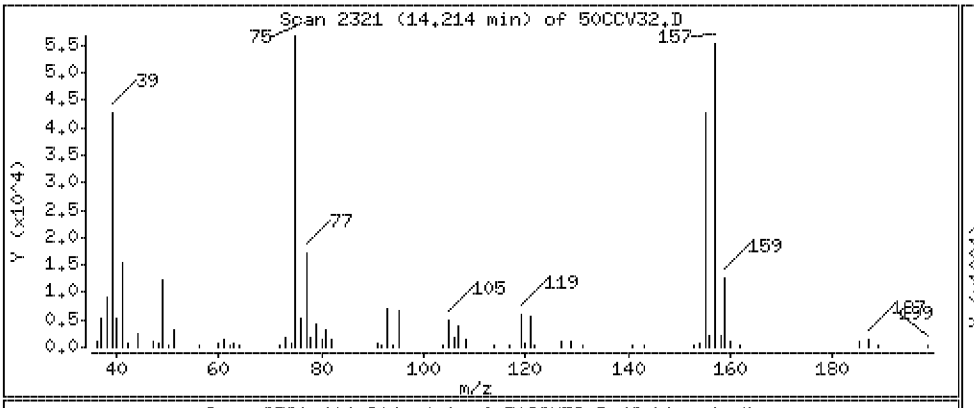
Client ID: 082107CCVA32 Instrument: vms03.i

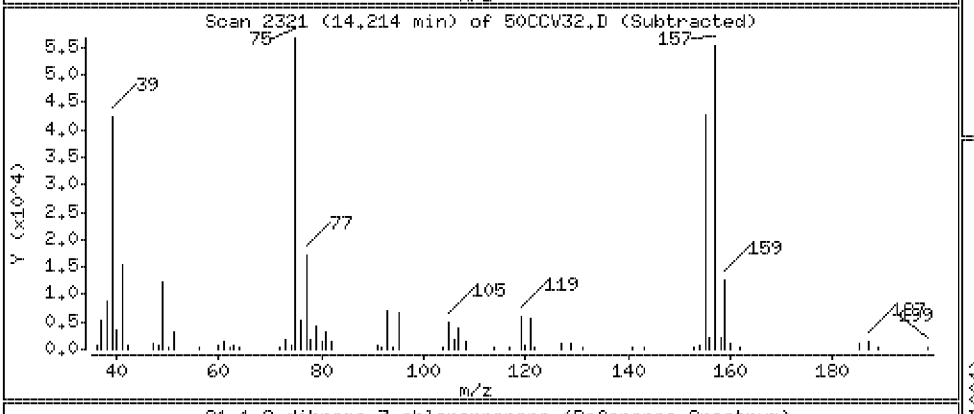
Sample Info: 082107CCVA32

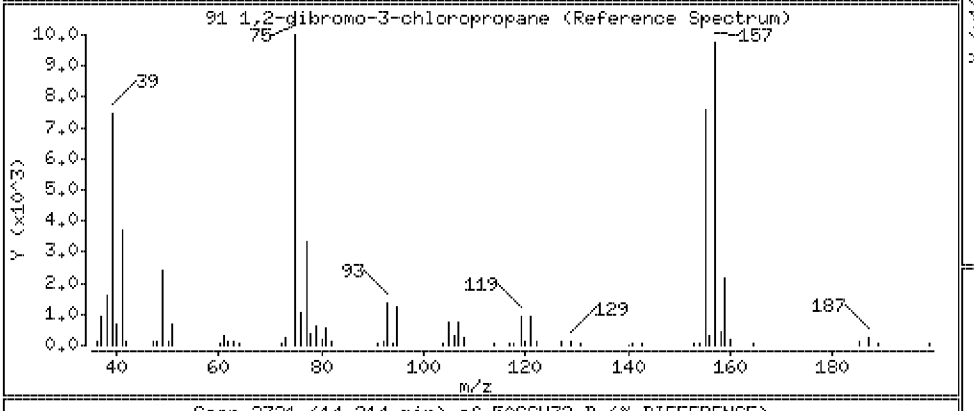
Purge Volume: 5.0 Operator:

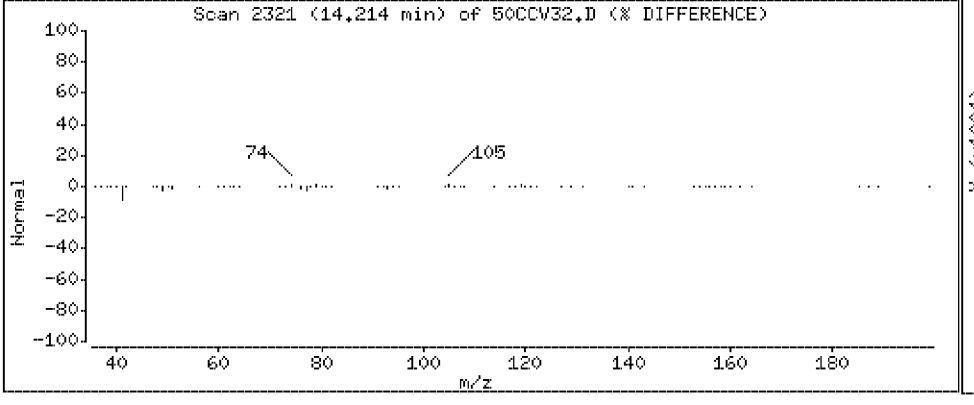
Column phase: DB-624 Column diameter: 0.18

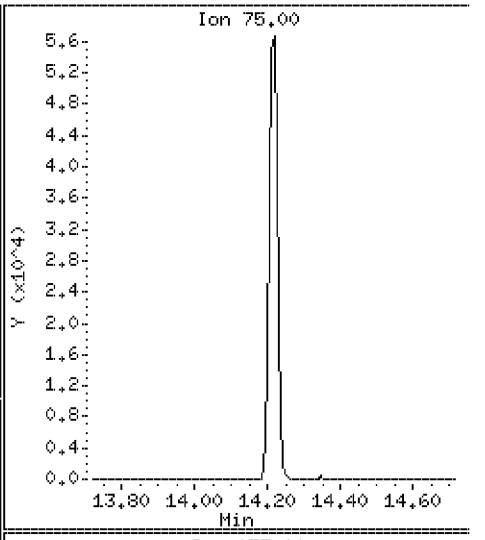
91 1,2-dibromo-3-chloropropane Concentration: 43.0 ug/l

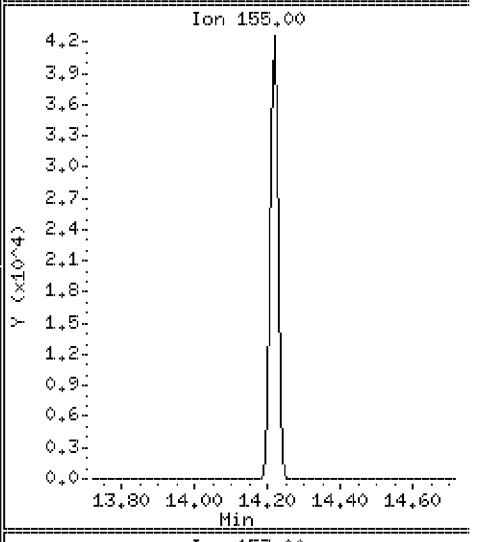


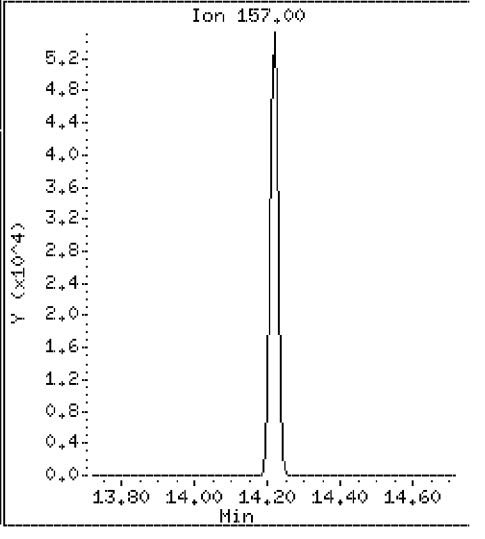












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

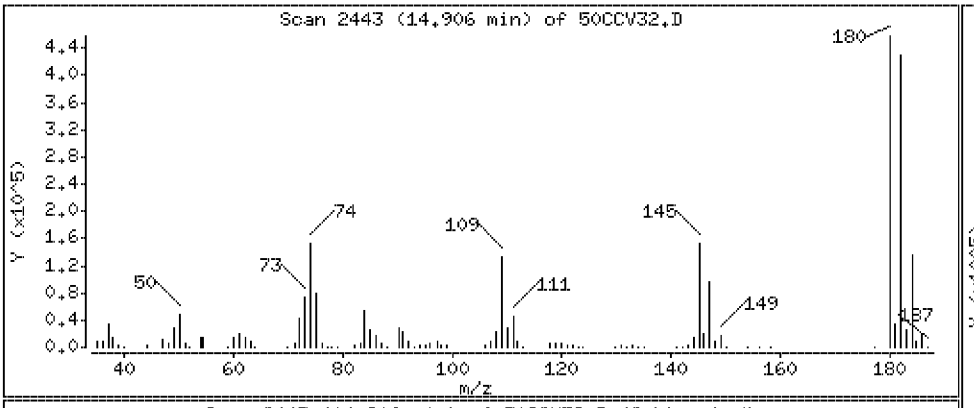
Client ID: 082107CCVA32 Instrument: vms03.i

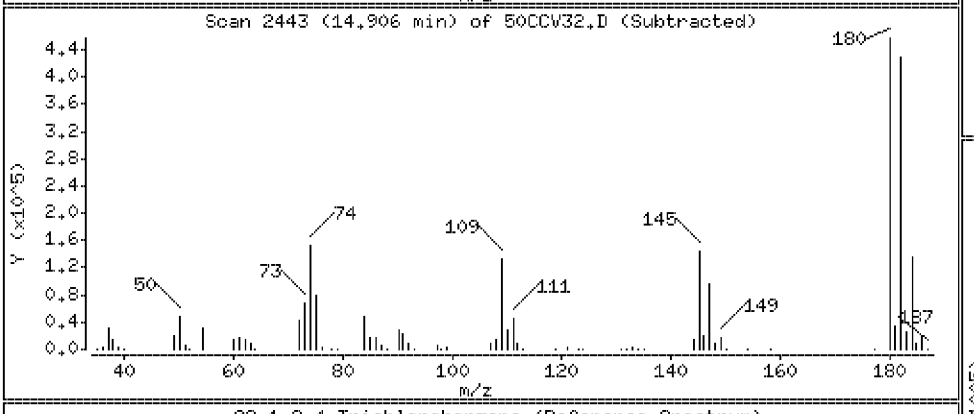
Sample Info: 082107CCVA32

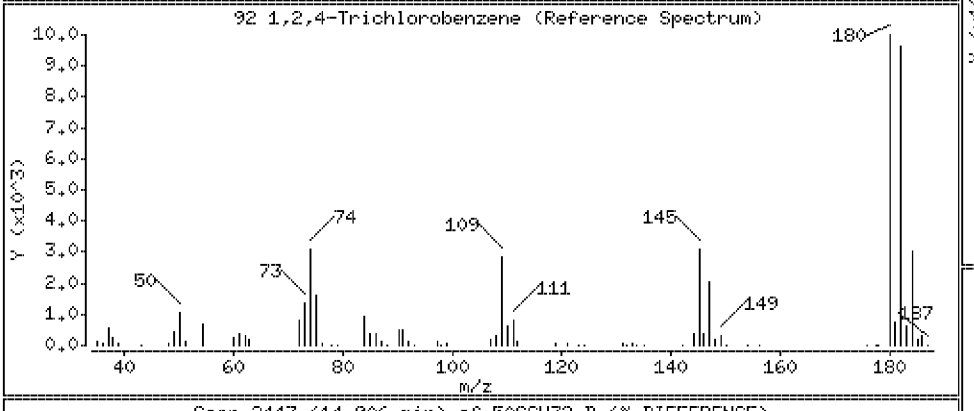
Purge Volume: 5.0 Operator:

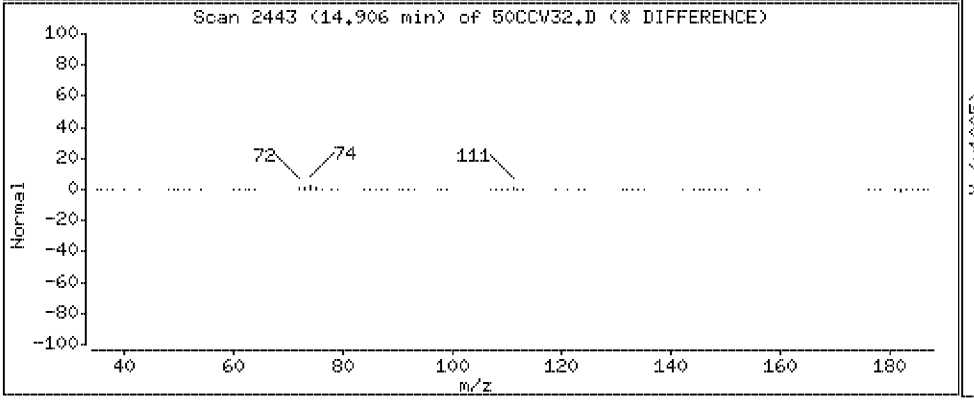
Column phase: DB-624 Column diameter: 0.18

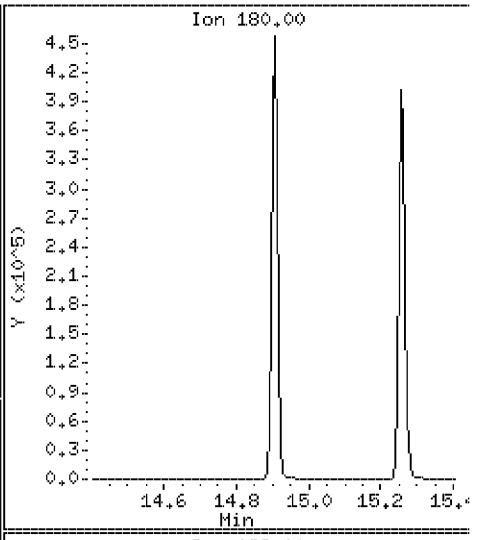
92 1,2,4-Trichlorobenzene Concentration: 44.9 ug/l

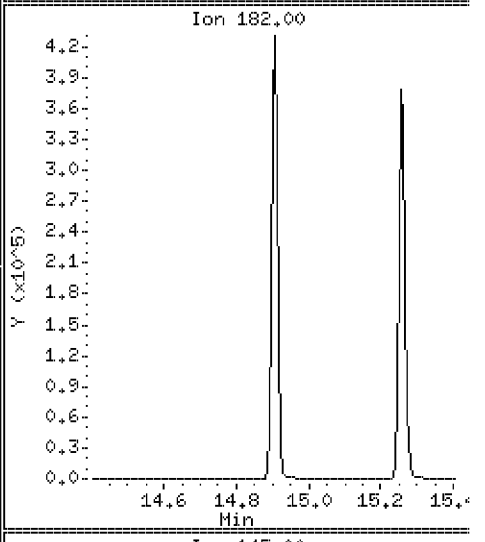


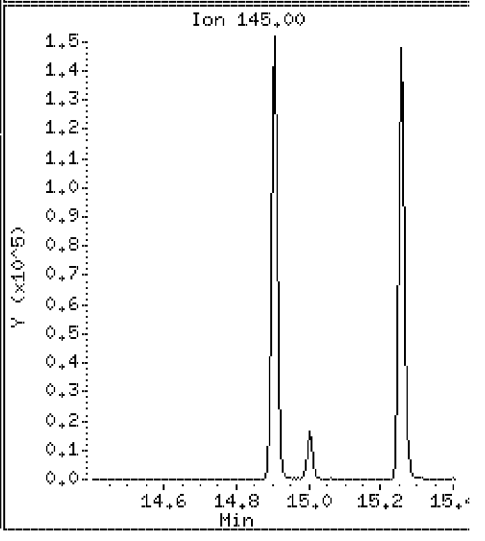












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

Client ID: 082107CCVA32

Instrument: vms03.i

Sample Info: 082107CCVA32

Purge Volume: 5.0

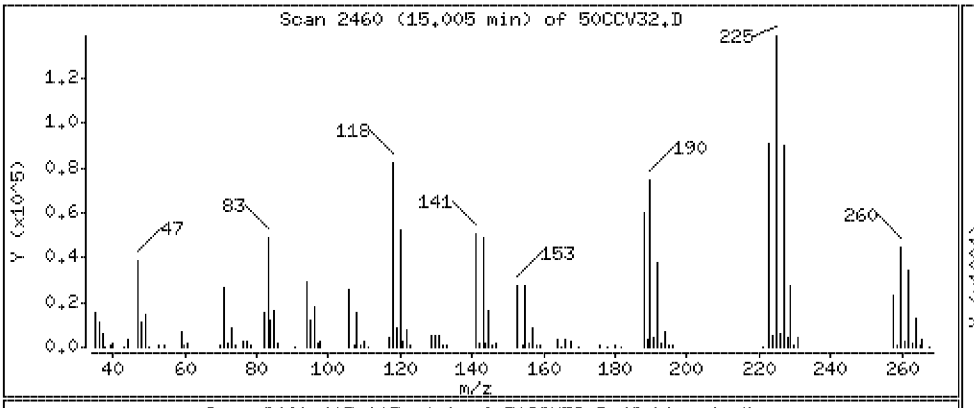
Operator:

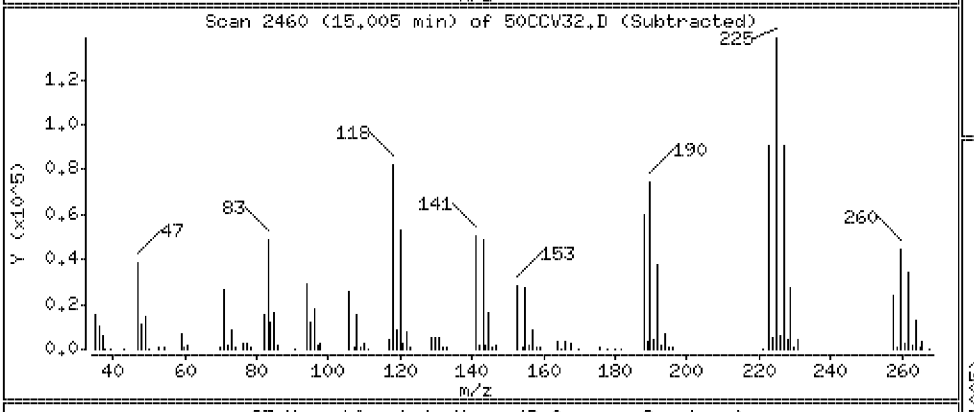
Column phase: DB-624

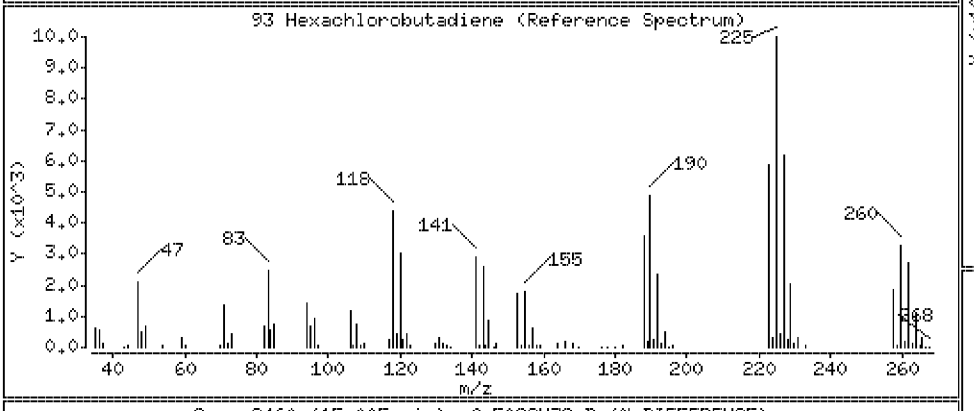
Column diameter: 0.18

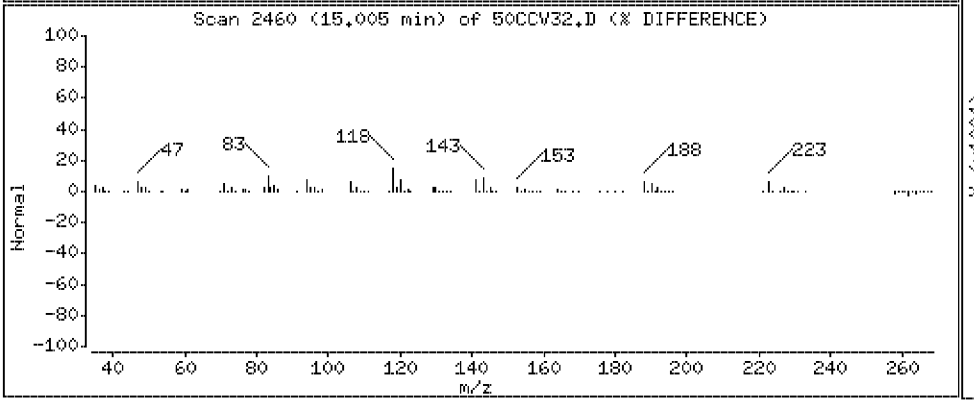
93 Hexachlorobutadiene

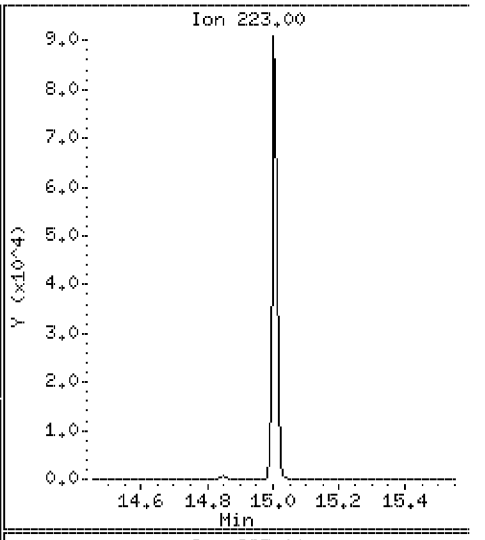
Concentration: 41.4 ug/l

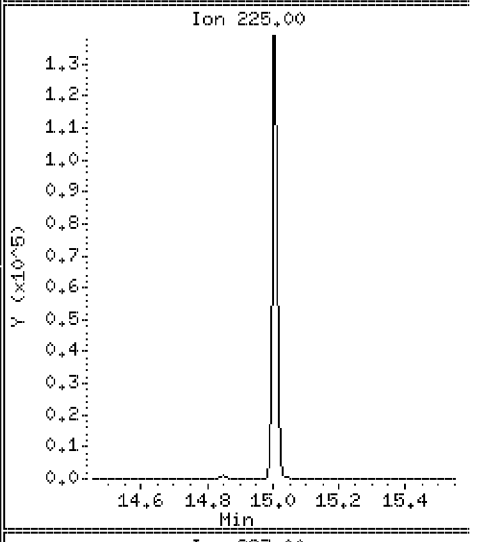


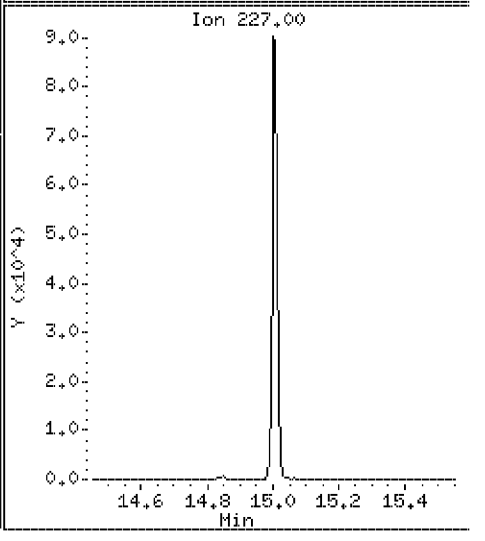












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

Client ID: 082107CCVA32

Instrument: vms03.i

Sample Info: 082107CCVA32

Purge Volume: 5.0

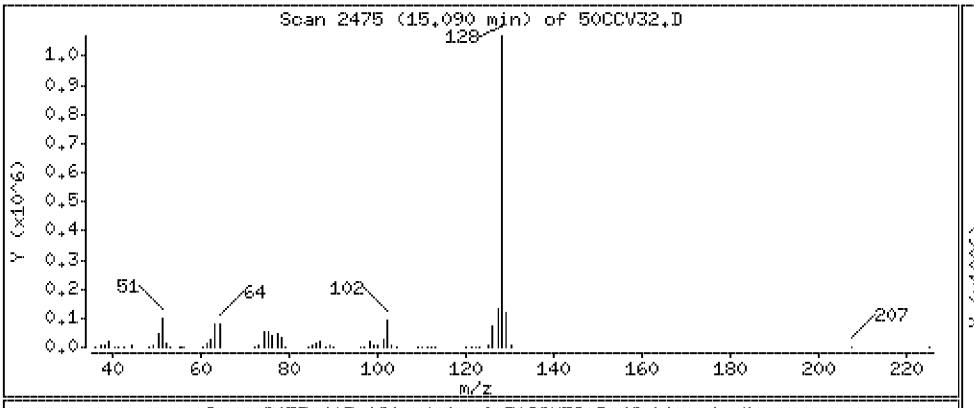
Operator:

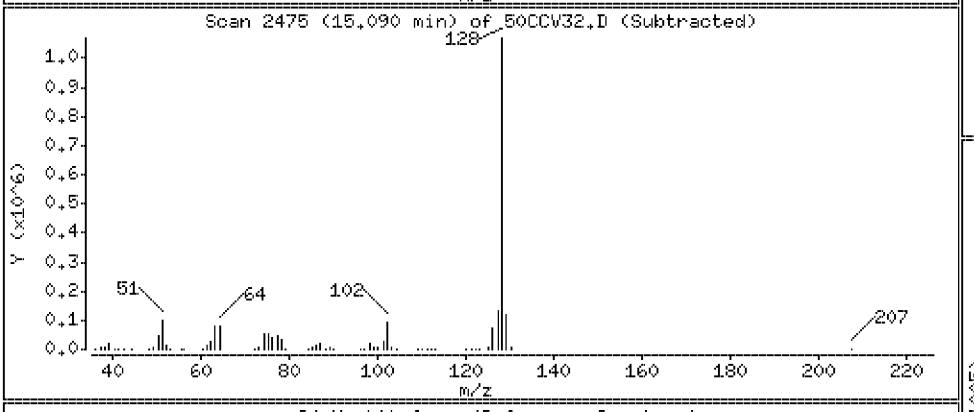
Column phase: DB-624

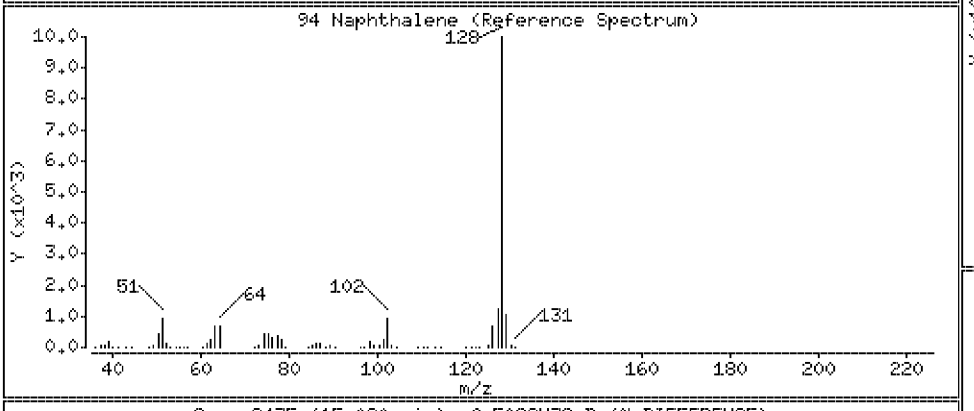
Column diameter: 0.18

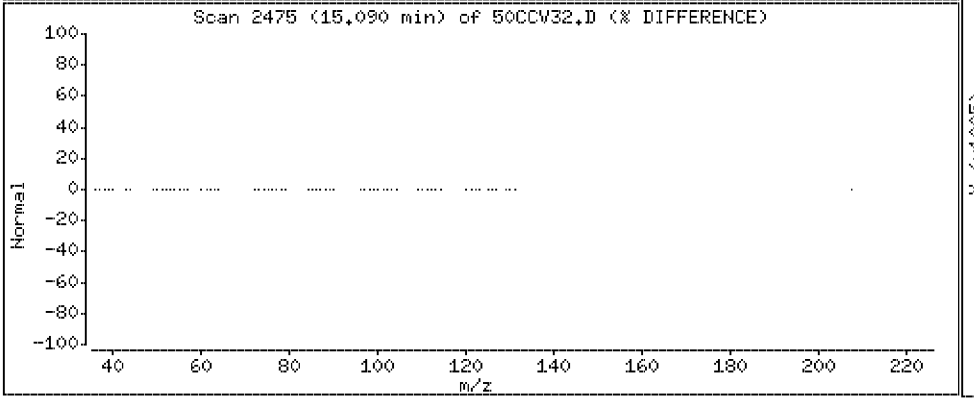
94 Naphthalene

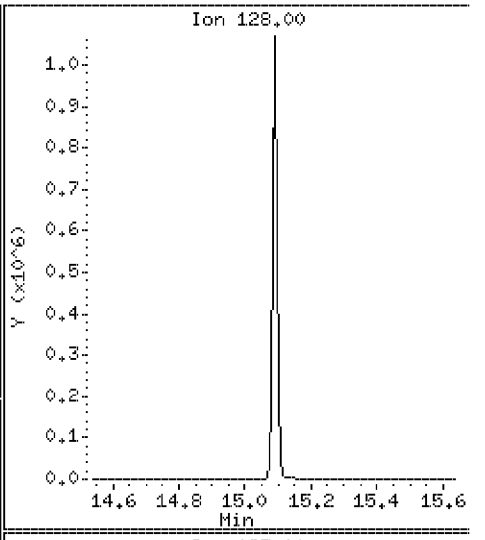
Concentration: 44.2 ug/l

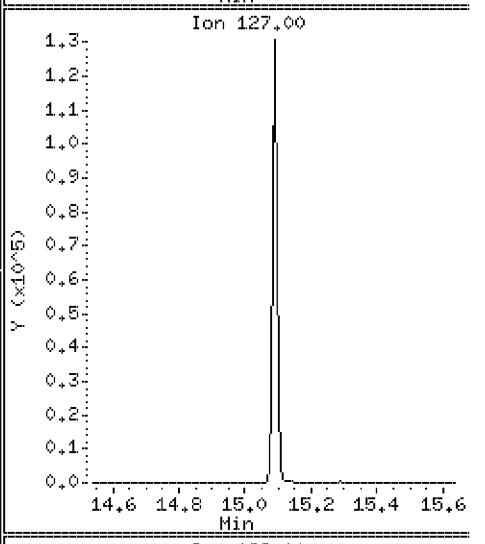


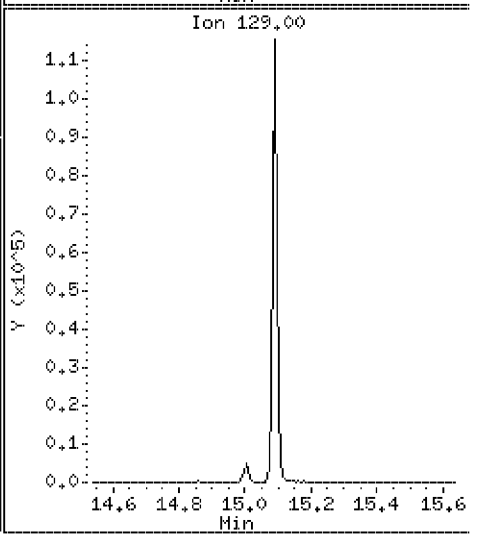












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

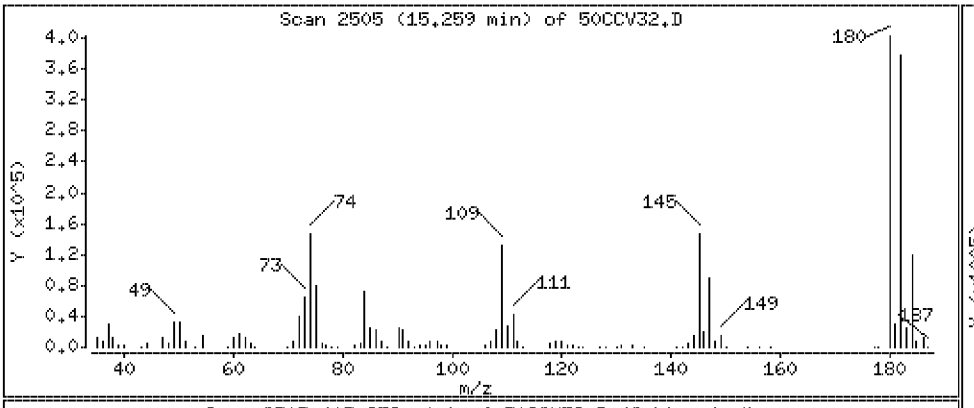
Client ID: 082107CCVA32 Instrument: vms03.i

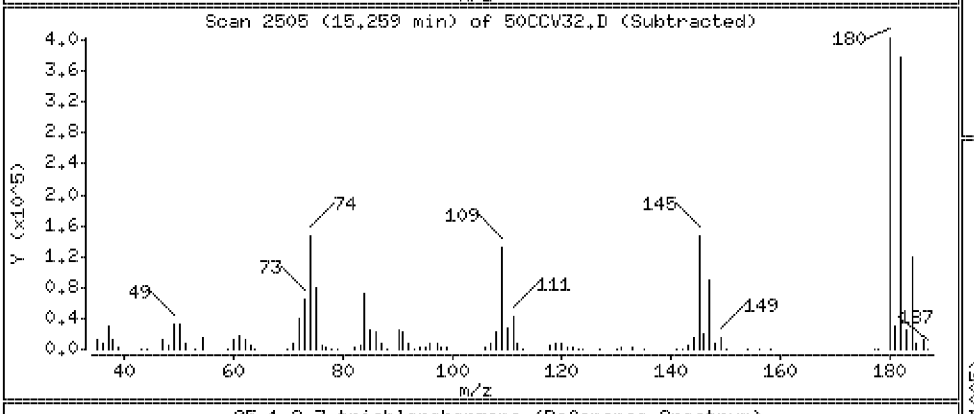
Sample Info: 082107CCVA32

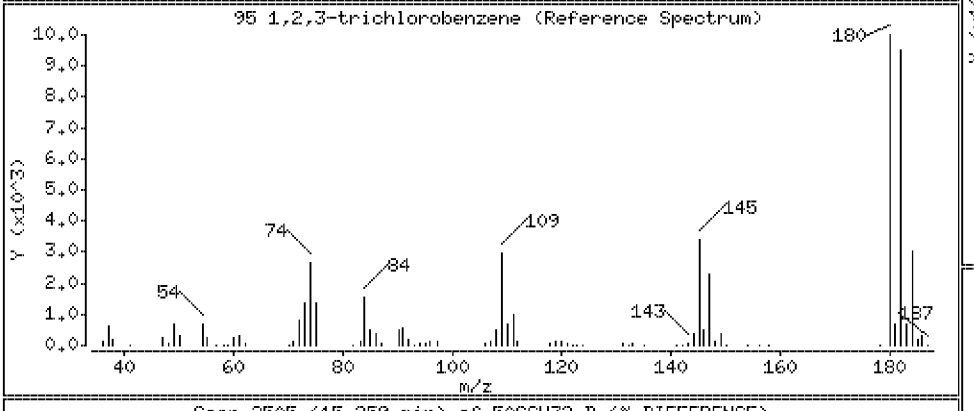
Purge Volume: 5.0 Operator:

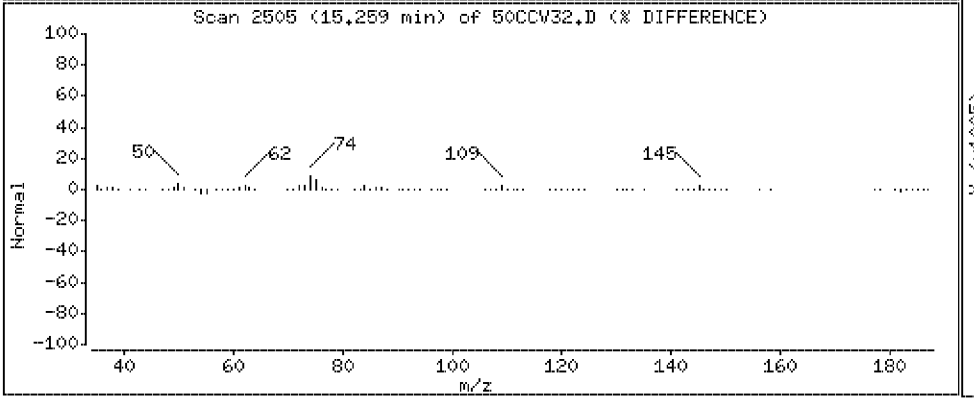
Column phase: DB-624 Column diameter: 0.18

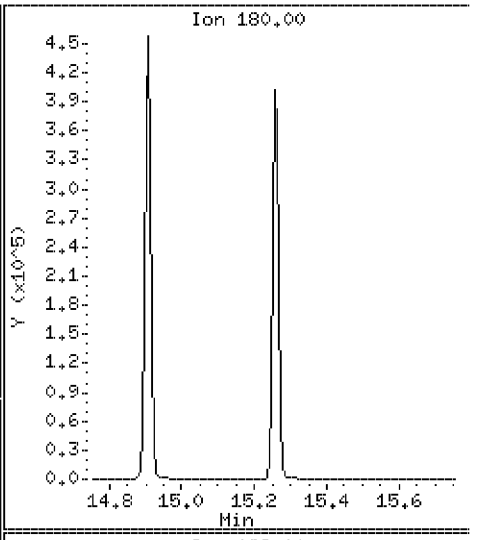
95 1,2,3-trichlorobenzene Concentration: 46.3 ug/l

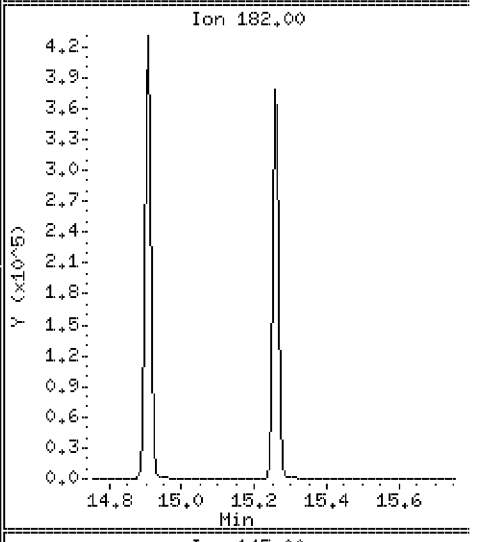


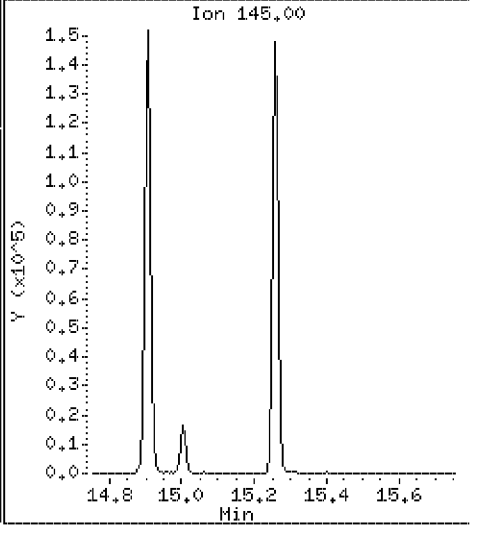












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

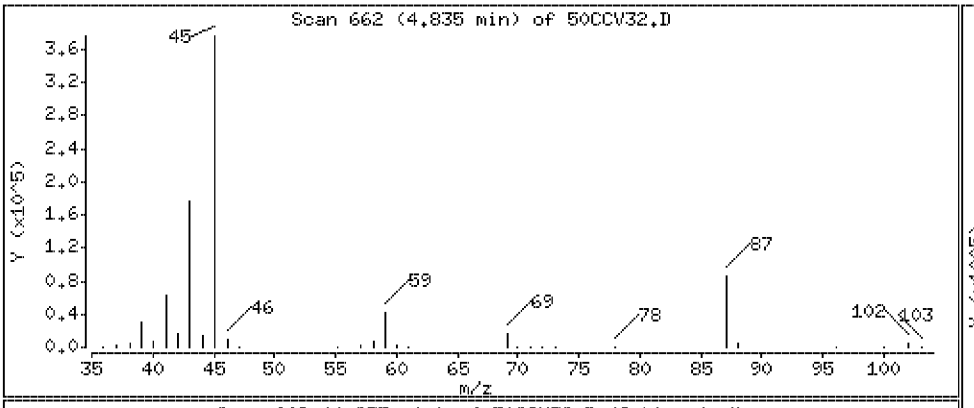
Client ID: 082107CCVA32 Instrument: vms03.i

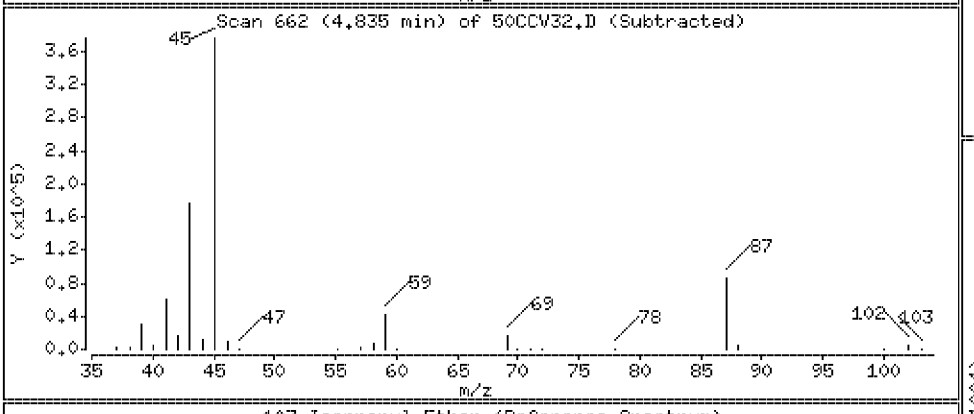
Sample Info: 082107CCVA32

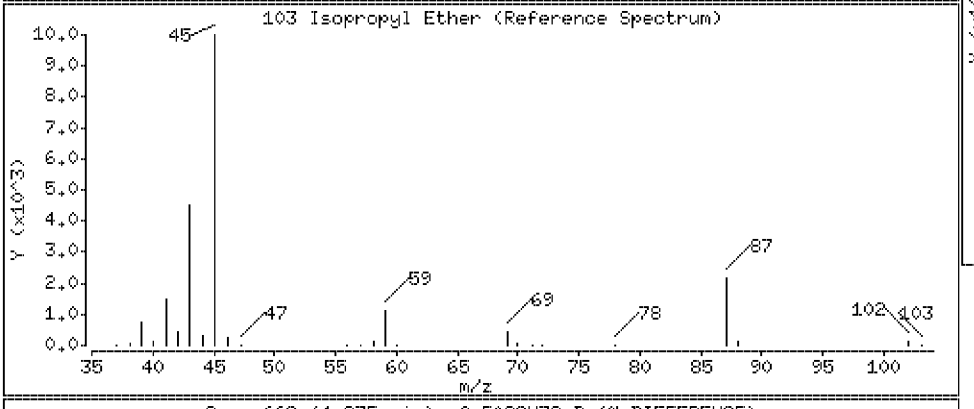
Purge Volume: 5.0 Operator:

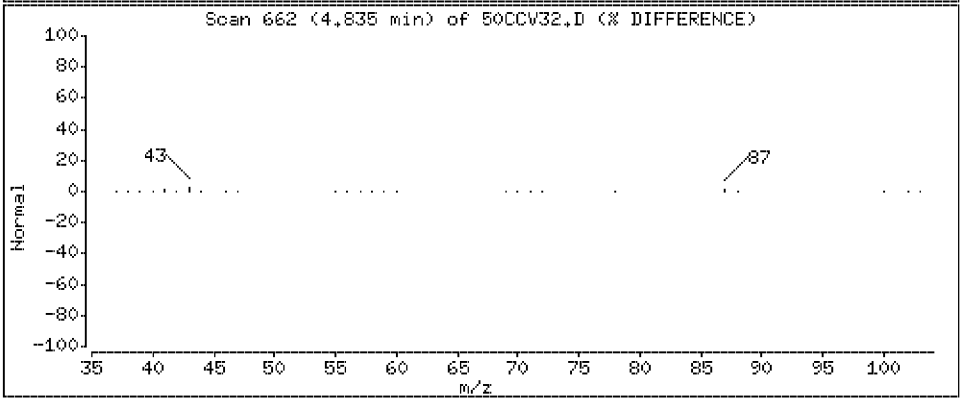
Column phase: DB-624 Column diameter: 0.18

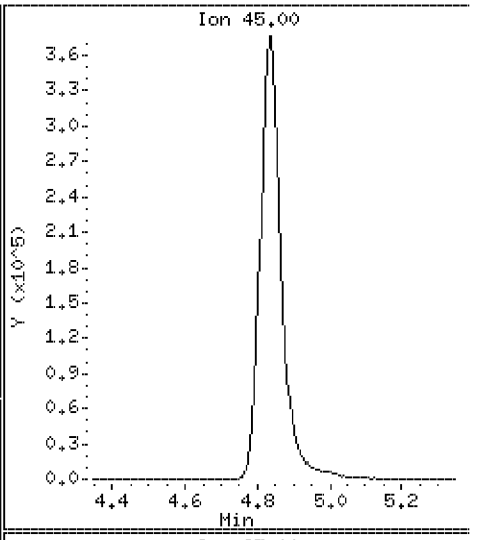
103 Isopropyl Ether Concentration: 50.2 ug/l

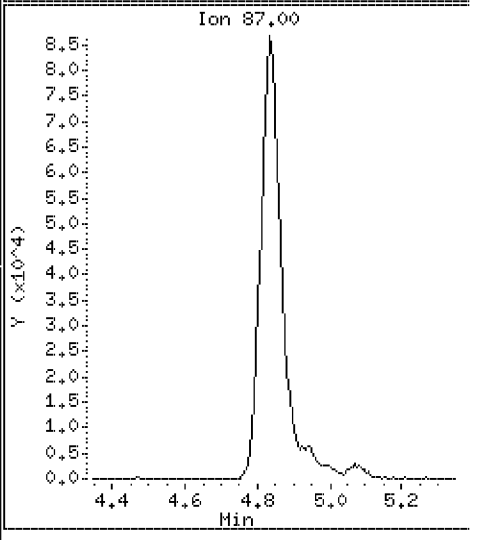












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

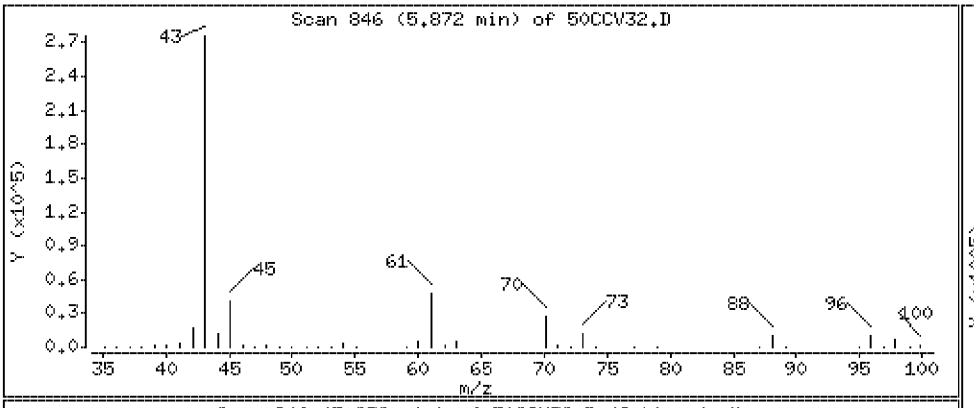
Client ID: 082107CCVA32 Instrument: vms03.i

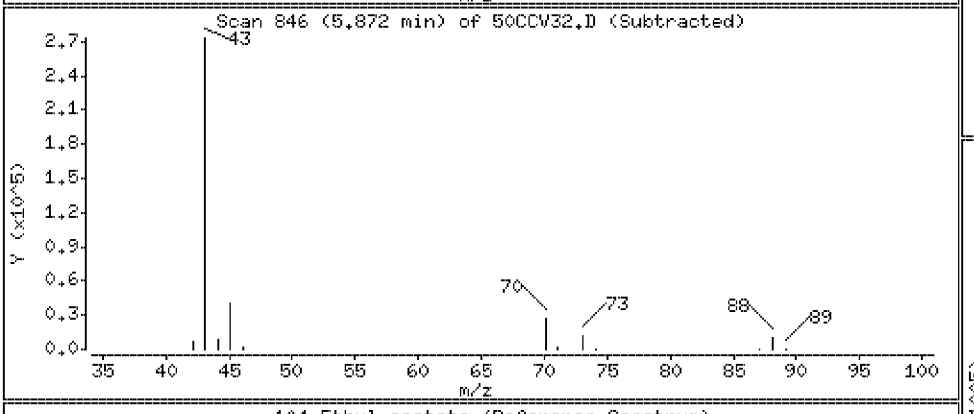
Sample Info: 082107CCVA32

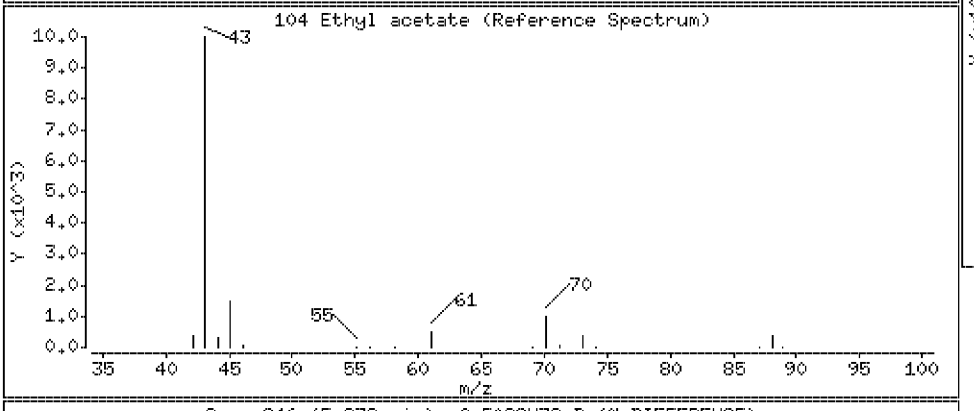
Purge Volume: 5.0 Operator:

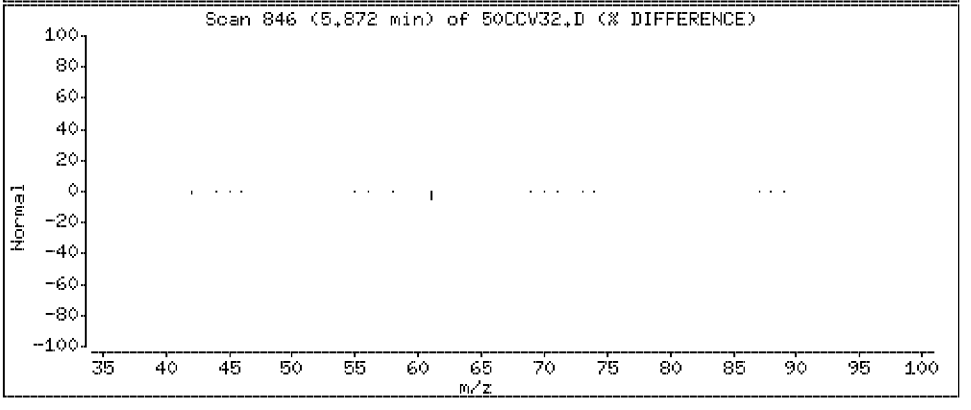
Column phase: DB-624 Column diameter: 0.18

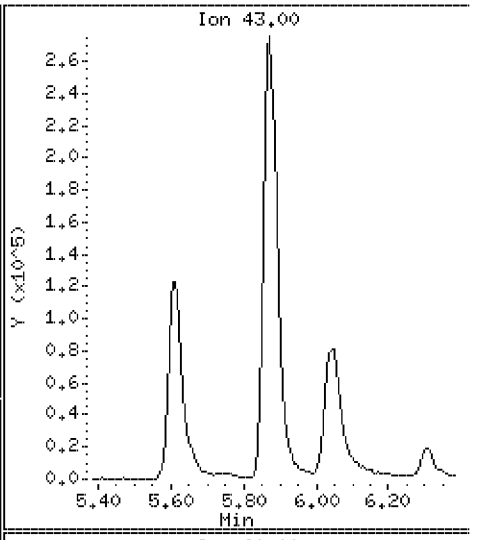
104 Ethyl acetate Concentration: 84.3 ug/l

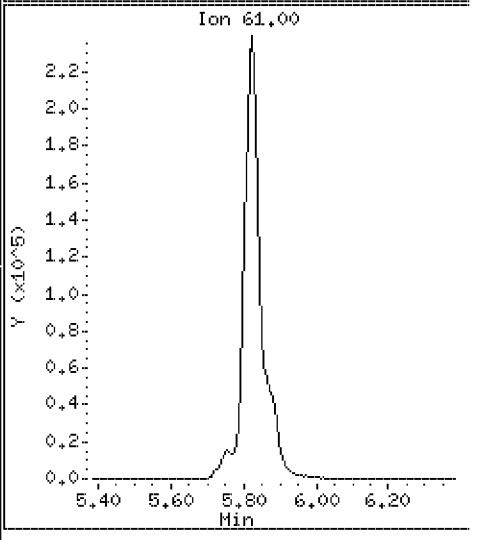












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

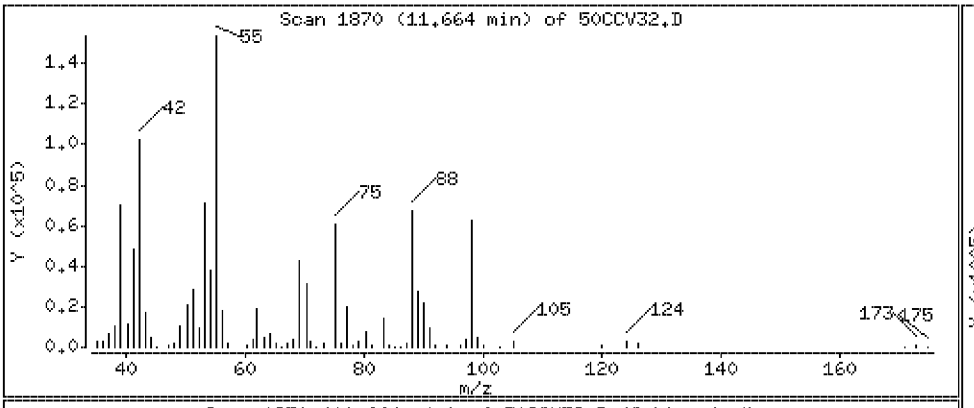
Client ID: 082107CCVA32 Instrument: vms03.i

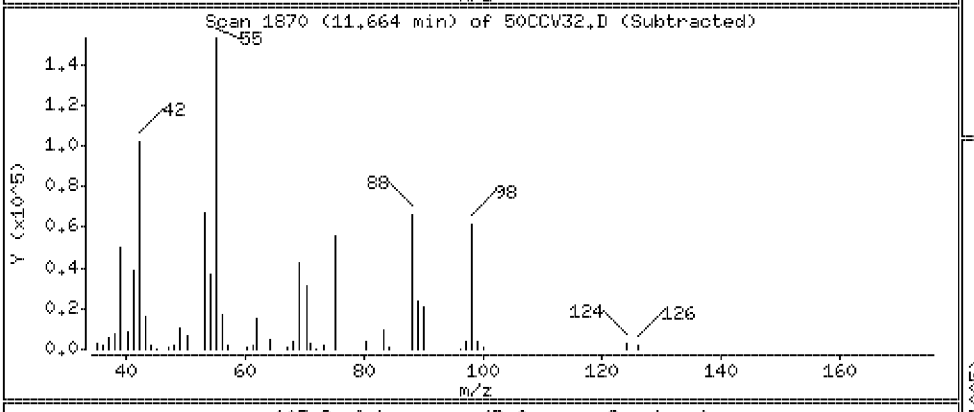
Sample Info: 082107CCVA32

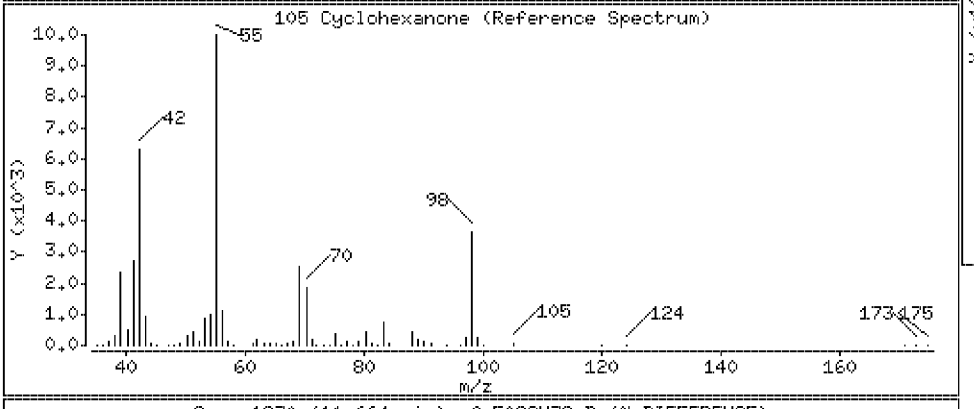
Purge Volume: 5.0 Operator:

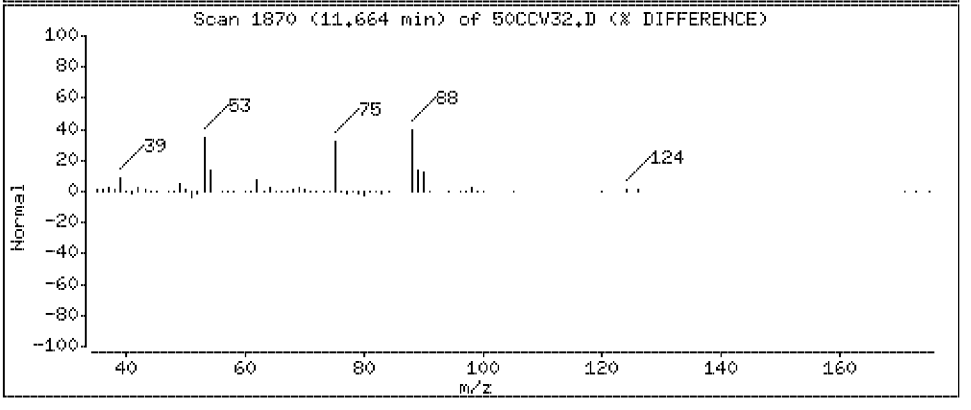
Column phase: DB-624 Column diameter: 0.18

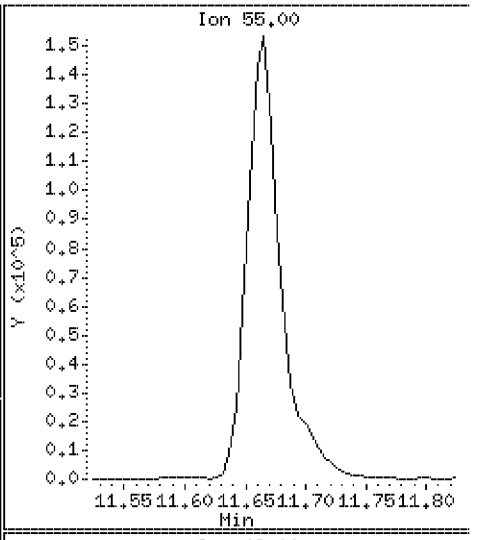
105 Cyclohexanone Concentration: 351 ug/l

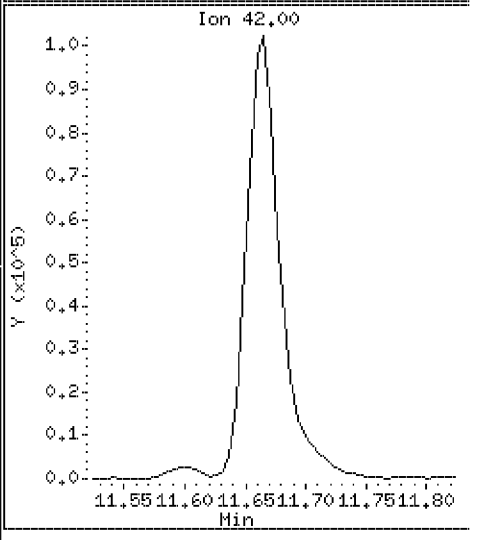












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

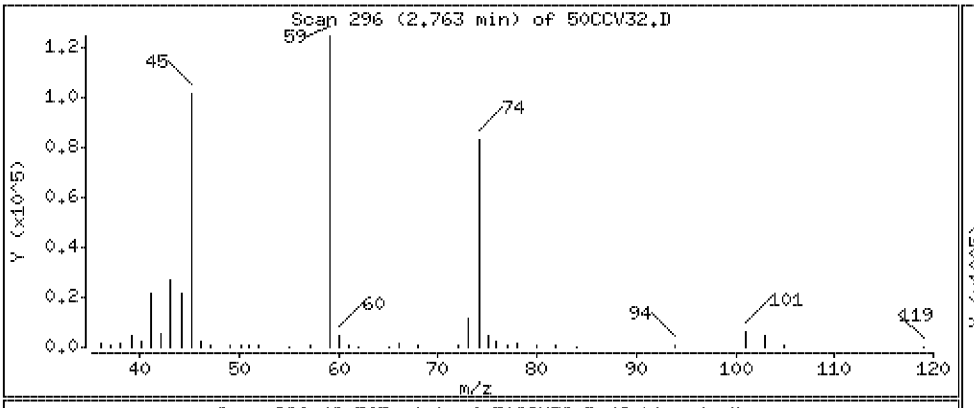
Client ID: 082107CCVA32 Instrument: vms03.i

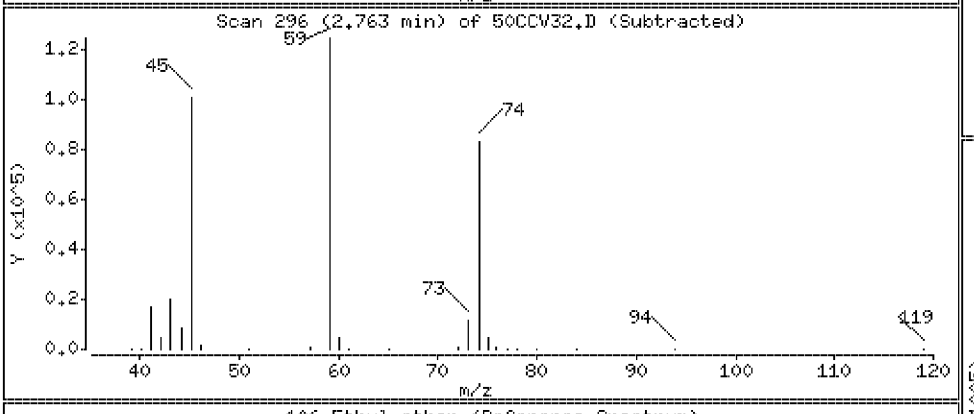
Sample Info: 082107CCVA32

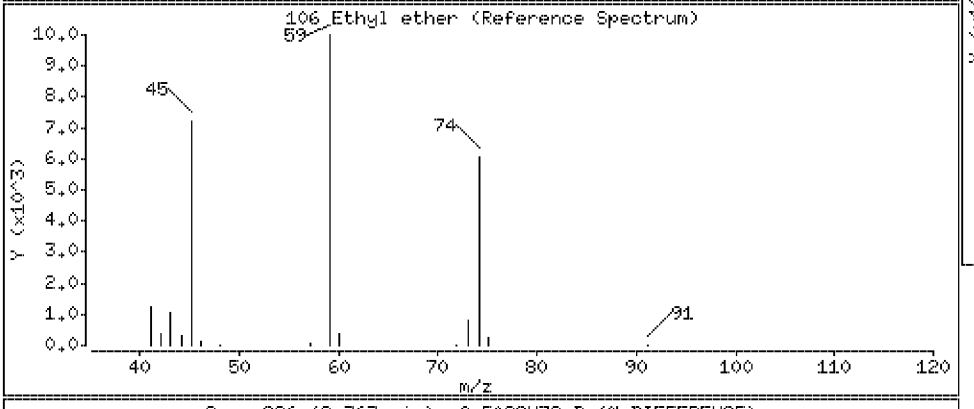
Purge Volume: 5.0 Operator:

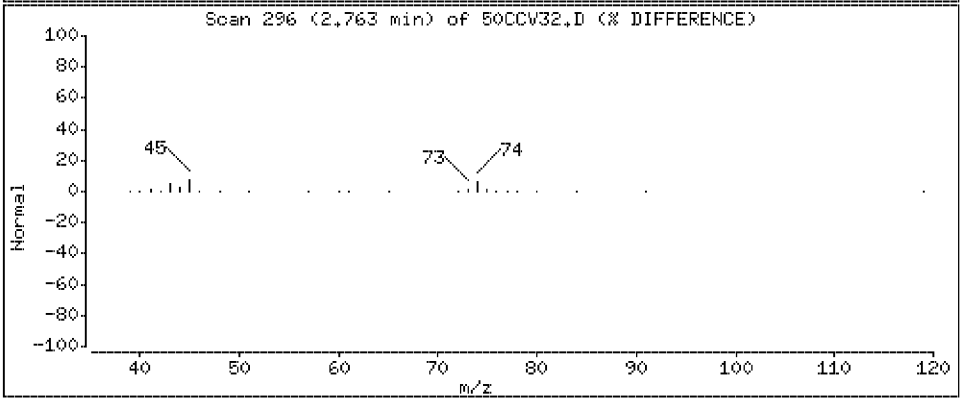
Column phase: DB-624 Column diameter: 0.18

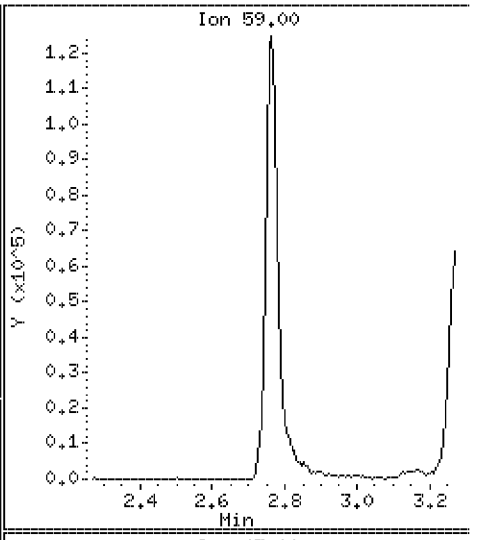
106 Ethyl ether Concentration: 50.3 ug/l

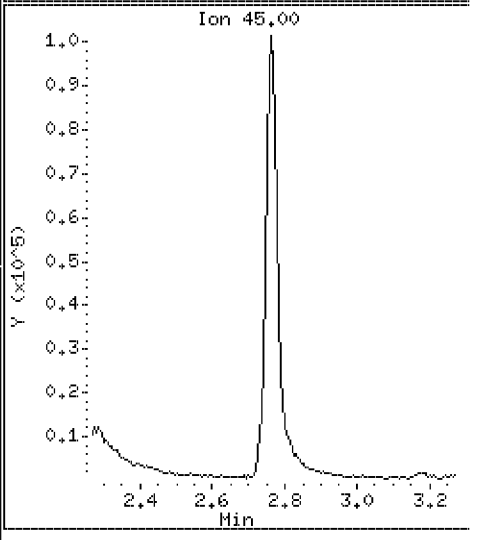












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Date : 21-AUG-2007 06:08

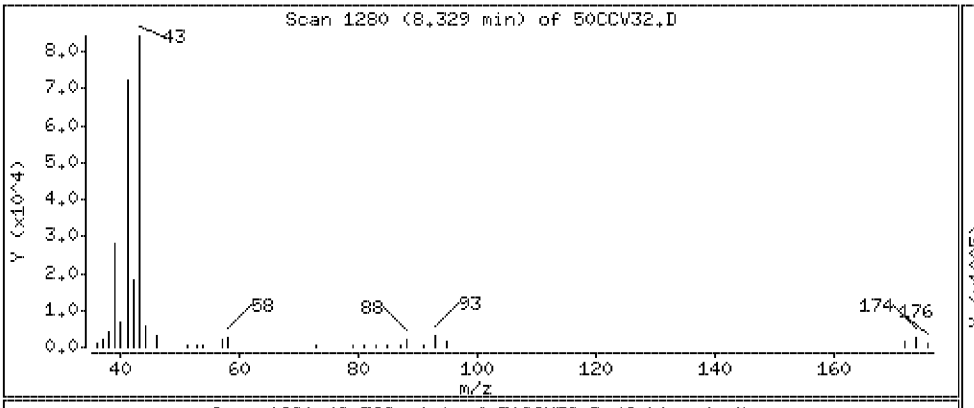
Client ID: 082107CCVA32 Instrument: vms03.i

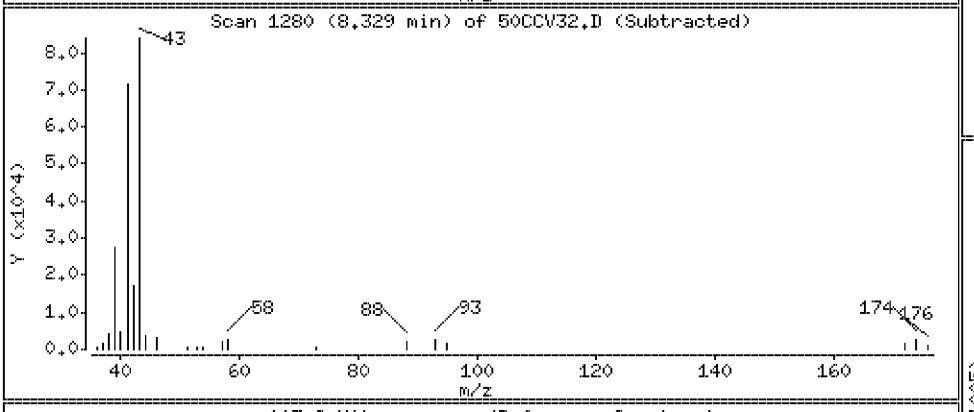
Sample Info: 082107CCVA32

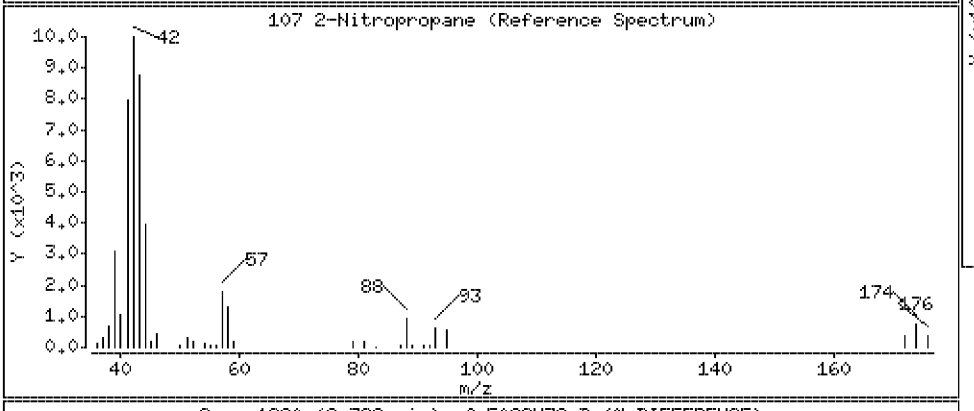
Purge Volume: 5.0 Operator:

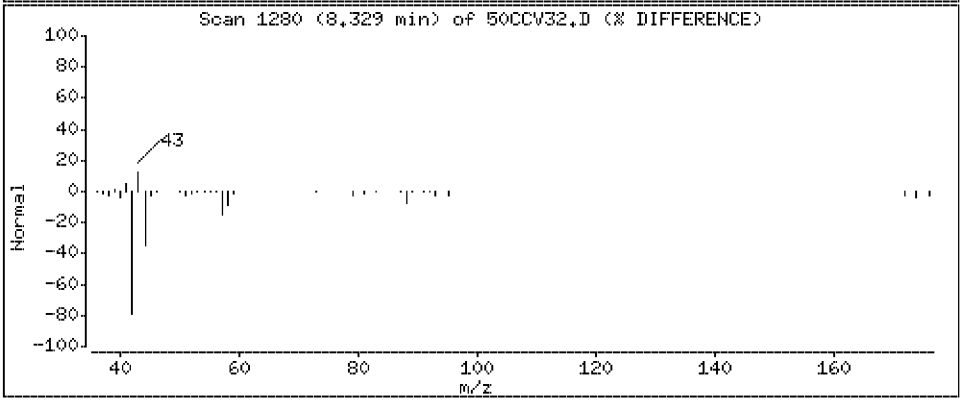
Column phase: DB-624 Column diameter: 0.18

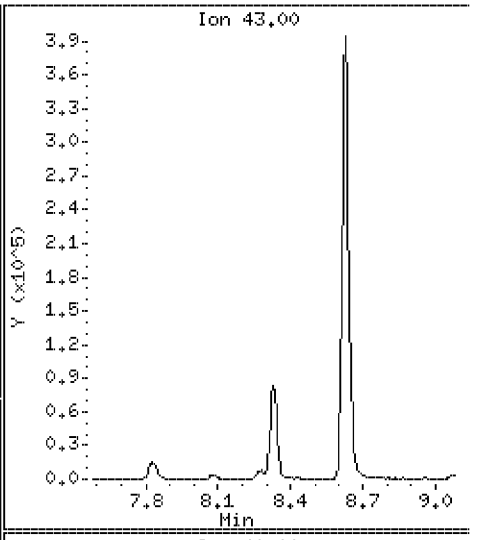
107 2-Nitropropane Concentration: 103 ug/l

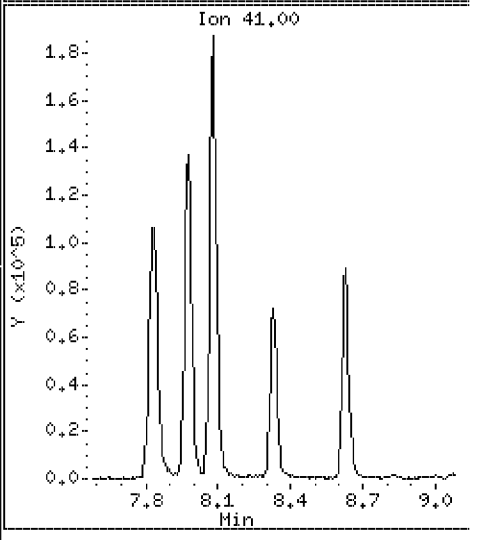












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\50CCV32.D

Date : 21-AUG-2007 06:08

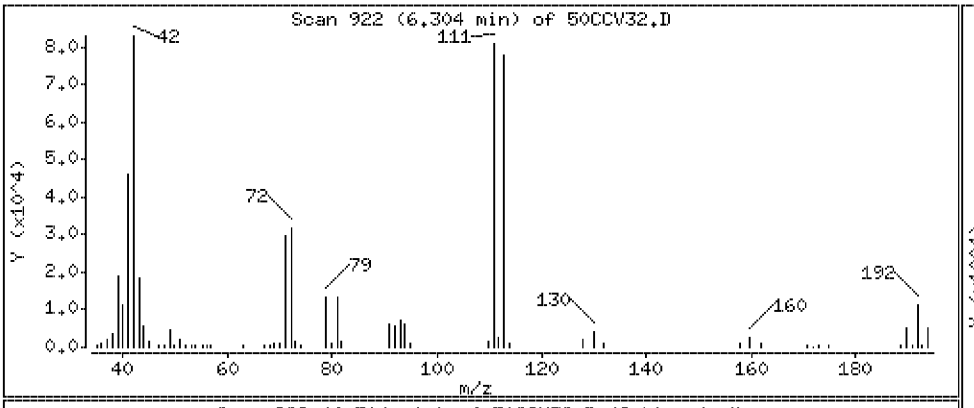
Client ID: 082107CCVA32 Instrument: vms03.i

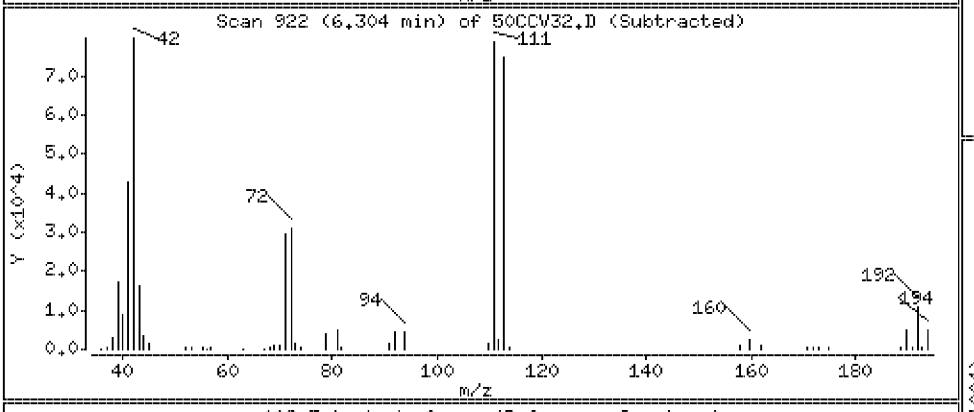
Sample Info: 082107CCVA32

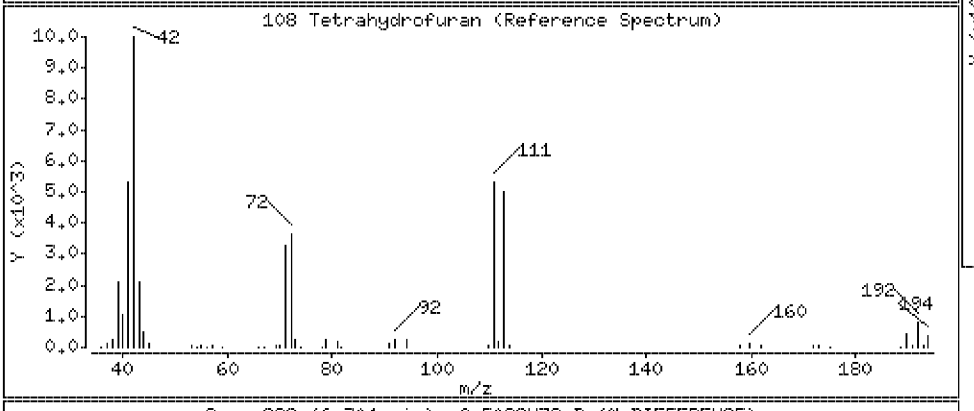
Purge Volume: 5.0 Operator:

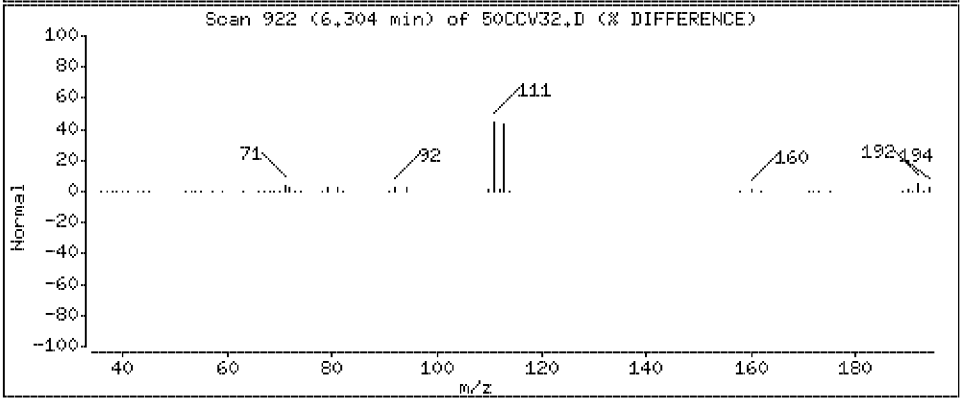
Column phase: DB-624 Column diameter: 0.18

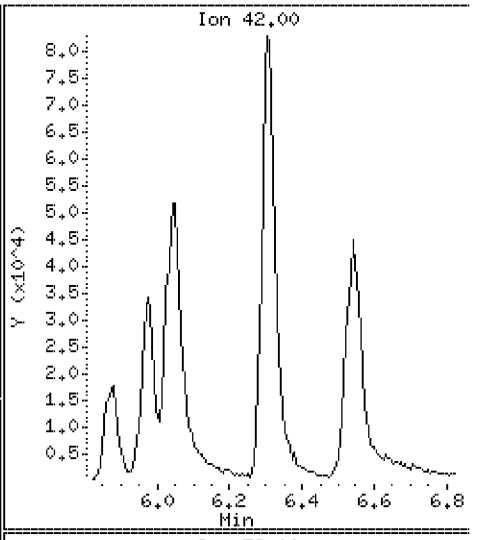
108 Tetrahydrofuran Concentration: 70.3 ug/l

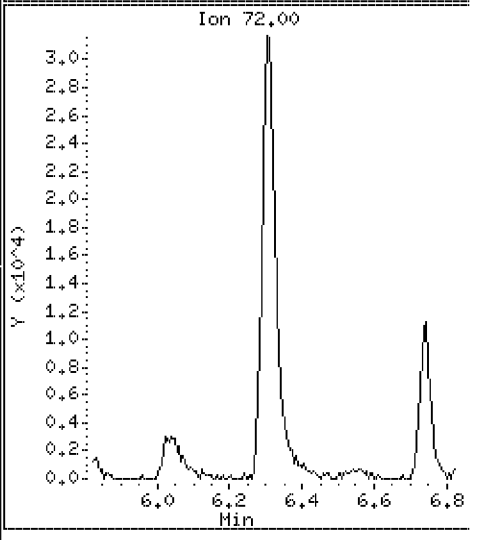












PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3082107.b\LCS32.D
Lab Smp Id: 082107LCSA32 Client Smp ID: 082107LCSA32
Inj Date : 21-AUG-2007 06:33
Operator : Inst ID: vms03.i
Smp Info : 082107LCSA32
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3082107.b\8260A.m
Meth Date : 24-Aug-2007 07:35 mjacobs Quant Type: ISTD
Cal Date : 08-AUG-2007 09:24 Cal File: 1PPB.D
Als bottle: 4 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				463251	41.6925	41.7
M 2 Xylenes (Total)	100				1428568	59.6691	59.7
M 3 Trihalomethanes (Total)	100				782250	79.9576	80.0
4 Dichlorodifluoromethane	85	1.409	1.405	(0.192)	128245	24.8471	24.8
5 Chloromethane	50	1.620	1.620	(0.221)	205701	23.3667	23.4
6 Vinyl Chloride	62	1.724	1.738	(0.235)	169002	23.6768	23.7
7 Bromomethane	96	2.123	2.132	(0.290)	94168	22.6893	22.7(Q)
8 Chloroethane	64	2.204	2.242	(0.301)	117801	22.5221	22.5
9 Trichlorofluoromethane	101	2.454	2.458	(0.335)	178626	21.7289	21.7
10 Acrolein	56	2.931	2.940	(0.400)	97542	73.6107	73.6(Q)
11 1,1,2 Trichlorotrifluoromethan	101	2.957	2.955	(0.404)	122763	19.1527	19.2(Q)
12 Acetone	43	3.004	3.024	(0.410)	144243	65.7536	65.8
13 1,1-Dichloroethene	61	3.166	3.174	(0.432)	304714	21.4767	21.5
109 t-Butyl-Alcohol	59	3.285	3.300	(0.448)	132101	183.093	183(Q)
14 Acetonitrile	41	3.354	3.349	(0.458)	223504	207.678	208
15 Iodomethane	142	3.562	3.555	(0.486)	195848	22.4129	22.4(q)
16 Methyl Acetate	43	3.629	3.632	(0.495)	140533	19.4980	19.5
17 Allyl Chloride	41	3.651	3.658	(0.498)	283359	20.4837	20.5
18 Carbon Disulfide	76	3.805	3.813	(0.520)	583841	18.8880	18.9
19 Methylene Chloride	49	3.847	3.864	(0.525)	284861	19.6229	19.6
20 Acrylonitrile	53	4.046	4.045	(0.552)	206454	61.4313	61.4(q)
21 Methyl-tert-butyl ether	73	4.097	4.108	(0.559)	375349	22.7651	22.8(q)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
22 trans 1,2-Dichloroethene	61	4.280	4.294	(0.584)	269680	20.8025	20.8
23 1,1-Dichloroethane	63	4.948	4.944	(0.675)	340177	21.5689	21.6
24 Vinyl Acetate	43	5.007	5.009	(0.683)	347956	19.4235	19.4
25 Chloroprene	53	5.079	5.085	(0.693)	262405	19.6710	19.7
26 2-Butanone	43	5.615	5.626	(0.766)	226651	51.0889	51.1
27 Propionitrile	54	5.716	5.725	(0.780)	250953	187.830	188
28 2,2-Dichloropropane	77	5.759	5.761	(0.786)	122334	25.2836	25.3(R)
29 cis-1,2-Dichloroethene	96	5.826	5.827	(0.795)	193571	20.8899	20.9
30 Methyacrylonitrile	67	5.977	5.981	(0.816)	712226	193.006	193
31 Isobutyl Alcohol	43	6.048	6.062	(0.826)	105645	329.422	329(Q)
32 Chloroform	83	6.038	6.043	(0.824)	315740	20.8540	20.8
33 Bromochloromethane	49	6.242	6.240	(0.852)	176638	19.8980	19.9
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.323	6.326	(0.863)	365347	52.3728	52.4
35 1,1,1-Trichloroethane	97	6.545	6.546	(0.893)	219419	22.5976	22.6
36 Cyclohexane	56	6.544	6.547	(0.893)	302563	20.6502	20.6
37 1,1-Dichloropropene	75	6.743	6.744	(0.920)	254418	21.8682	21.9
38 Carbon tetrachloride	117	6.848	6.853	(0.935)	187323	23.7504	23.8
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.947	6.951	(0.948)	86630	50.6781	50.7
40 1,2-Dichloroethane	62	7.059	7.061	(0.964)	249680	20.3876	20.4
41 Benzene	78	7.059	7.061	(0.964)	756806	20.1500	20.2
* 42 FLUOROBENZENE (IS)	96	7.326	7.327	(1.000)	1460649	50.0000	
43 Trichloroethylene	130	7.775	7.776	(1.061)	167097	20.7000	20.7
44 Methyl Cyclohexane	55	7.832	7.834	(1.069)	214582	20.5404	20.5
45 1,2-Dichloropropane	63	7.978	7.980	(1.089)	198447	20.8053	20.8
46 Methyl Methacrylate	69	8.082	8.079	(1.103)	110966	20.0678	20.1
47 Bromodichloromethane	83	8.232	8.231	(1.124)	227851	20.4470	20.4
48 1,4 Dioxane	88	8.280	8.293	(1.130)	27833	355.707	356
49 Dibromomethane	93	8.282	8.288	(1.131)	110075	19.5651	19.6
50 4-Methyl-2-Pentanone	43	8.628	8.635	(0.661)	500846	54.2157	54.2
51 2-Hexanone	43	9.539	9.546	(0.898)	366192	53.8110	53.8
52 cis 1,3-Dichloropropene	75	8.829	8.831	(1.205)	252186	18.4113	18.4
$ 53 TOLUENE d8 (surr)	98	9.074	9.076	(1.239)	1502662	51.8266	51.8
54 Toluene	92	9.156	9.159	(1.250)	474147	21.0652	21.1
55 trans 1,3-Dichloropropene	75	9.360	9.362	(1.278)	211208	18.7853	18.8
56 Ethyl Methacrylate	69	9.366	9.367	(1.278)	206353	20.9127	20.9
57 1,1,2-Trichloroethane	97	9.516	9.516	(1.299)	160187	20.7785	20.8
58 1,3-Dichloropropane	76	9.777	9.779	(0.920)	287249	20.0883	20.1
59 Tetrachloroethylene	164	9.829	9.829	(0.925)	124696	20.3277	20.3
60 Dibromochloromethane	129	10.036	10.036	(0.944)	155729	19.6992	19.7
61 1,2-Dibromoethane	107	10.240	10.241	(0.963)	150644	19.2673	19.3
62 1-Chlorohexane	91	10.418	10.421	(0.980)	233511	21.1252	21.1
* 63 CHLOROBENZENE d5 (IS)	117	10.629	10.630	(1.000)	1092787	50.0000	
64 Chlorobenzene	112	10.668	10.668	(1.004)	506906	20.3640	20.4
65 1,1,1,2-Tetrachloroethane	131	10.714	10.715	(1.008)	151264	21.5051	21.5(q)
66 Ethylbenzene	106	10.724	10.723	(1.009)	272284	20.1489	20.1
67 p,m-Xylene	106	10.802	10.802	(1.016)	696826	40.3799	40.4
68 o-Xylene	91	11.242	11.242	(1.058)	731742	19.2893	19.3
69 Styrene	104	11.278	11.280	(1.061)	536740	19.6608	19.7
70 Bromoform	173	11.616	11.616	(1.093)	82930	18.9574	19.0
71 1-Methylethylbenzene	105	11.605	11.606	(0.889)	848866	20.8016	20.8
72 1,4-Dichloro-2-Butene	53	11.272	11.258	(0.864)	5527	29.0239	29.0(Q)
73 1,1,2,2-Tetrachloroethane	83	11.780	11.781	(0.903)	216725	19.0204	19.0
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.857	11.857	(0.909)	591912	47.8878	47.9
75 1,2,3- trichloropropane	110	11.929	11.930	(0.914)	62189	19.6150	19.6

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
76 n-Propylbenzene	91	12.008	12.009	(0.920)	1119961	20.2133	20.2
77 Bromobenzene	77	12.048	12.049	(0.923)	383375	19.0273	19.0
78 1,3,5-Trimethylbenzene	105	12.167	12.167	(0.933)	720325	19.4442	19.4
79 2-Chlorotoluene	91	12.185	12.185	(0.934)	736558	19.9499	19.9
80 4-Chlorotoluene	91	12.233	12.232	(0.938)	696350	19.7339	19.7
81 tert-Butylbenzene	119	12.526	12.527	(0.960)	668060	20.0946	20.1
82 1,2,4-trimethylbenzene	105	12.562	12.562	(0.963)	754592	20.2718	20.3
83 sec-Butylbenzene	105	12.739	12.740	(0.976)	895382	19.7131	19.7
84 p-Isopropyltoluene	119	12.877	12.878	(0.987)	731504	19.7487	19.7
85 1,3-Dichlorobenzene	146	12.971	12.975	(0.994)	401114	20.3388	20.3
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.047	13.048	(1.000)	597285	50.0000	
87 1,4-Dichlorobenzene	146	13.079	13.079	(1.002)	406298	20.6744	20.7
88 Benzyl Chloride	91	13.197	13.195	(1.012)	258975	22.0437	22.0
89 n-Butylbenzene	91	13.289	13.289	(1.019)	708471	19.6029	19.6
90 1,2-Dichlorobenzene	146	13.450	13.450	(1.031)	371124	19.6778	19.7
91 1,2-dibromo-3-chloropropane	75	14.215	14.217	(1.090)	33288	17.9008	17.9
92 1,2,4-Trichlorobenzene	180	14.905	14.904	(1.142)	225986	19.0801	19.1
93 Hexachlorobutadiene	223	15.005	15.002	(1.150)	48019	18.3991	18.4
94 Naphthalene	128	15.089	15.087	(1.157)	533975	18.1939	18.2
95 1,2,3-trichlorobenzene	180	15.259	15.254	(1.170)	205417	19.9117	19.9
103 Isopropyl Ether	45	4.838	4.846	(0.660)	618548	20.6006	20.6
104 Ethyl acetate	43	5.877	5.883	(0.802)	308747	36.4709	36.5
105 Cyclohexanone	55	11.665	11.672	(1.098)	144087	168.731	169
106 Ethyl ether	59	2.767	2.770	(0.378)	135417	21.2603	21.3
107 2-Nitropropane	43	8.330	8.332	(1.137)	70524	39.0759	39.1
108 Tetrahydrofuran	42	6.312	6.324	(0.862)	98042	32.1545	32.2
112 2-Cleve	63	8.627	8.630	(1.178)	708	54.9016	54.9(QR)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: LCS32.D
Lab Smp Id: 082107LCSA32
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3082107.b\8260A.m
Misc Info:

Calibration Date: 08-AUG-2007
Calibration Time: 06:09
Client Smp ID: 082107LCSA32
Level: LOW
Sample Type: WATER

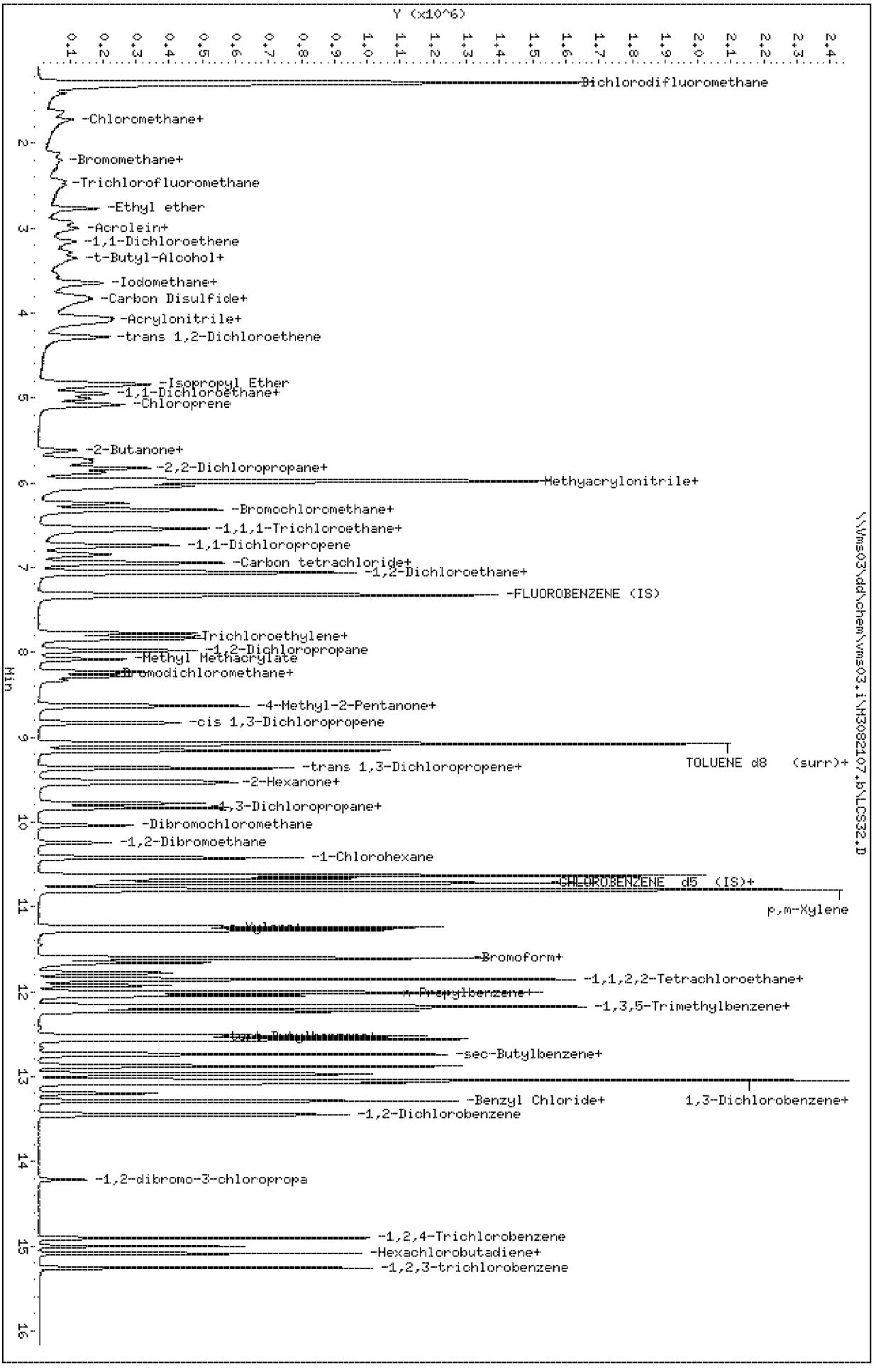
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1538145	769073	3076290	1460649	-5.04
63 CHLOROBENZENE d5	1065619	532810	2131238	1092787	2.55
86 1,4-DICHLOROBENZE	594676	297338	1189352	597285	0.44

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.33	6.83	7.83	7.33	-0.02
63 CHLOROBENZENE d5	10.63	10.13	11.13	10.63	-0.01
86 1,4-DICHLOROBENZE	13.05	12.55	13.55	13.05	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\LCS32.D
Date : 21-AUG-2007 06:33
Client ID: 082107LCSA32
Sample Info: 082107LCSA32
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



Page 5

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3082107.b\BLK32.D
Lab Smp Id: 082107BLKA32 Client Smp ID: 082107BLKA32
Inj Date : 21-AUG-2007 08:57
Operator : Inst ID: vms03.i
Smp Info : 082107BLKA32
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3082107.b\8260A.m
Meth Date : 24-Aug-2007 07:37 mjacobs Quant Type: ISTD
Cal Date : 08-AUG-2007 09:24 Cal File: 1PPB.D
Als bottle: 10 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.325	6.326	(0.863)	367320	52.1340	52.1
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.949	6.951	(0.948)	88046	50.9962	51.0
* 42 FLUOROBENZENE (IS)	96	7.328	7.327	(1.000)	1475265	50.0000	
$ 53 TOLUENE d8 (surr)	98	9.076	9.076	(1.238)	1482446	50.6228	50.6
* 63 CHLOROBENZENE d5 (IS)	117	10.630	10.630	(1.000)	1074765	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.858	11.857	(0.909)	566603	48.8499	48.8
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.048	13.048	(1.000)	560485	50.0000	

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: BLK32.D
Lab Smp Id: 082107BLKA32
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3082107.b\8260A.m
Misc Info:

Calibration Date: 08-AUG-2007
Calibration Time: 06:09
Client Smp ID: 082107BLKA32
Level: LOW
Sample Type: WATER

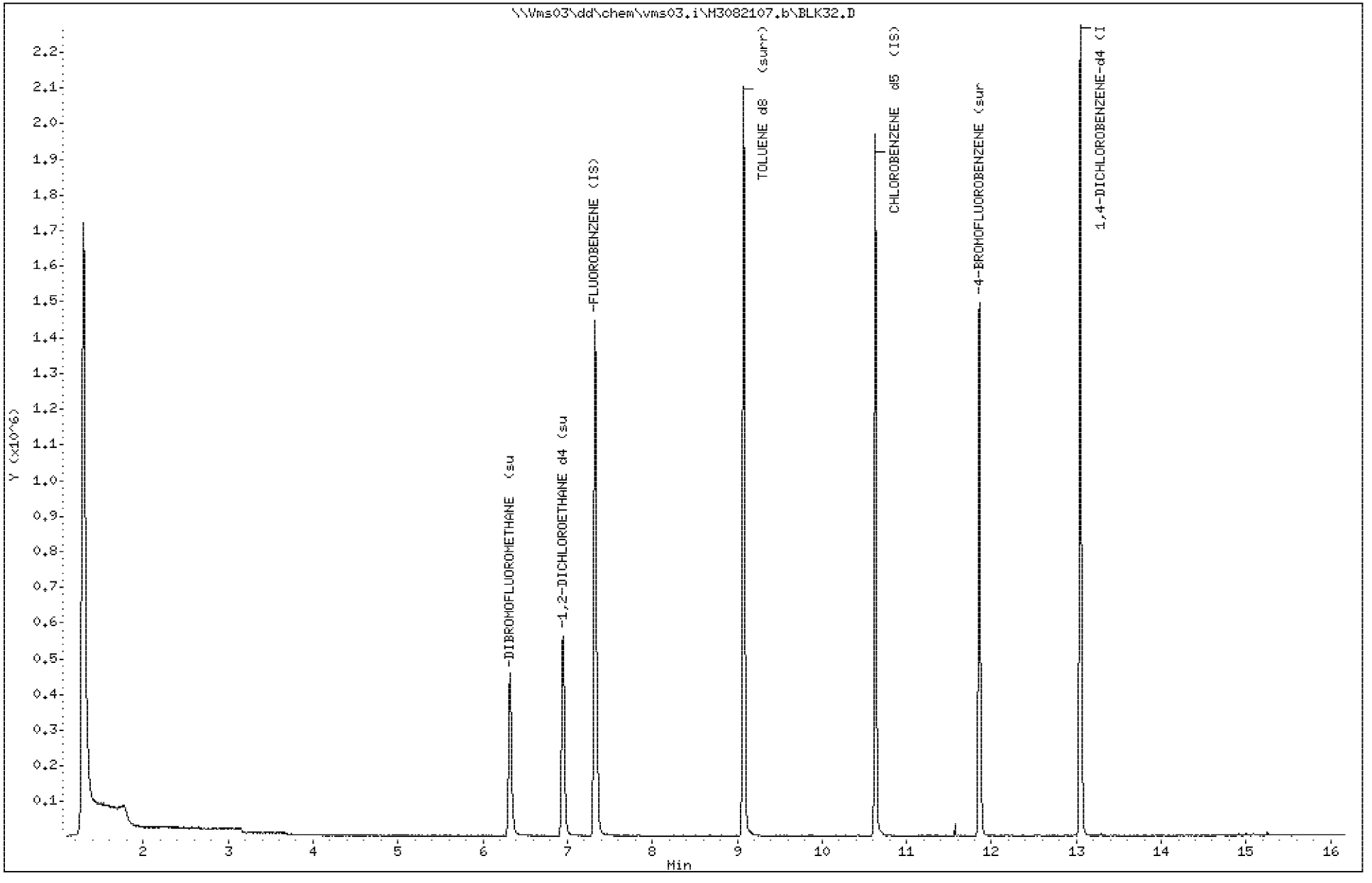
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1538145	769073	3076290	1475265	-4.09
63 CHLOROBENZENE d5	1065619	532810	2131238	1074765	0.86
86 1,4-DICHLOROBENZE	594676	297338	1189352	560485	-5.75

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.33	6.83	7.83	7.33	0.01
63 CHLOROBENZENE d5	10.63	10.13	11.13	10.63	0.00
86 1,4-DICHLOROBENZE	13.05	12.55	13.55	13.05	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\BLK32.D
Date : 21-AUG-2007 08:57
Client ID: 082107BLKA32
Sample Info: 082107BLKA32
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3082107.b\37201.D
Lab Smp Id: 250737201 Client Smp ID: TO05MW40A
Inj Date : 21-AUG-2007 14:52
Operator : Inst ID: vms03.i
Smp Info : 250737201;2507372;1;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3082107.b\8260A.m
Meth Date : 24-Aug-2007 07:37 mjacobs Quant Type: ISTD
Cal Date : 08-AUG-2007 09:24 Cal File: 1PPB.D
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				271760	28.9023	28.9
6 Vinyl Chloride	62	1.734	1.738	(0.237)	47361	6.61001	6.6
22 trans 1,2-Dichloroethene	61	4.285	4.294	(0.585)	10257	0.78820	0.79(a)
29 cis-1,2-Dichloroethene	96	5.831	5.827	(0.795)	261503	28.1141	28.1(Q)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.327	6.326	(0.863)	350299	50.0253	50.0
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.950	6.951	(0.948)	85909	50.0658	50.1
41 Benzene	78	7.066	7.061	(0.964)	23422	0.62125	0.62(a)
* 42 FLUOROBENZENE (IS)	96	7.330	7.327	(1.000)	1466208	50.0000	
43 Trichloroethylene	130	7.779	7.776	(1.061)	1386119	171.061	171(A)
$ 53 TOLUENE d8 (surr)	98	9.077	9.076	(1.238)	1410101	48.4498	48.4
59 Tetrachloroethylene	164	9.832	9.829	(0.925)	34046	5.78889	5.8
* 63 CHLOROBENZENE d5 (IS)	117	10.631	10.630	(1.000)	1047714	50.0000	
64 Chlorobenzene	112	10.669	10.668	(1.004)	119046	4.98818	5.0
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.859	11.857	(0.909)	527000	46.2052	46.2
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.049	13.048	(1.000)	551148	50.0000	

QC Flag Legend

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

QC Flag Legend

Q - Qualifier signal failed the ratio test.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 37201.D
Lab Smp Id: 250737201
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3082107.b\8260A.m
Misc Info:

Calibration Date: 08-AUG-2007
Calibration Time: 06:09
Client Smp ID: TO05MW40A
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1538145	769073	3076290	1466208	-4.68
63 CHLOROBENZENE d5	1065619	532810	2131238	1047714	-1.68
86 1,4-DICHLOROBENZE	594676	297338	1189352	551148	-7.32

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.33	6.83	7.83	7.33	0.03
63 CHLOROBENZENE d5	10.63	10.13	11.13	10.63	0.01
86 1,4-DICHLOROBENZE	13.05	12.55	13.55	13.05	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37201.D

Date : 21-AUG-2007 14:52

Client ID: TO05MW40A

Instrument: vms03.i

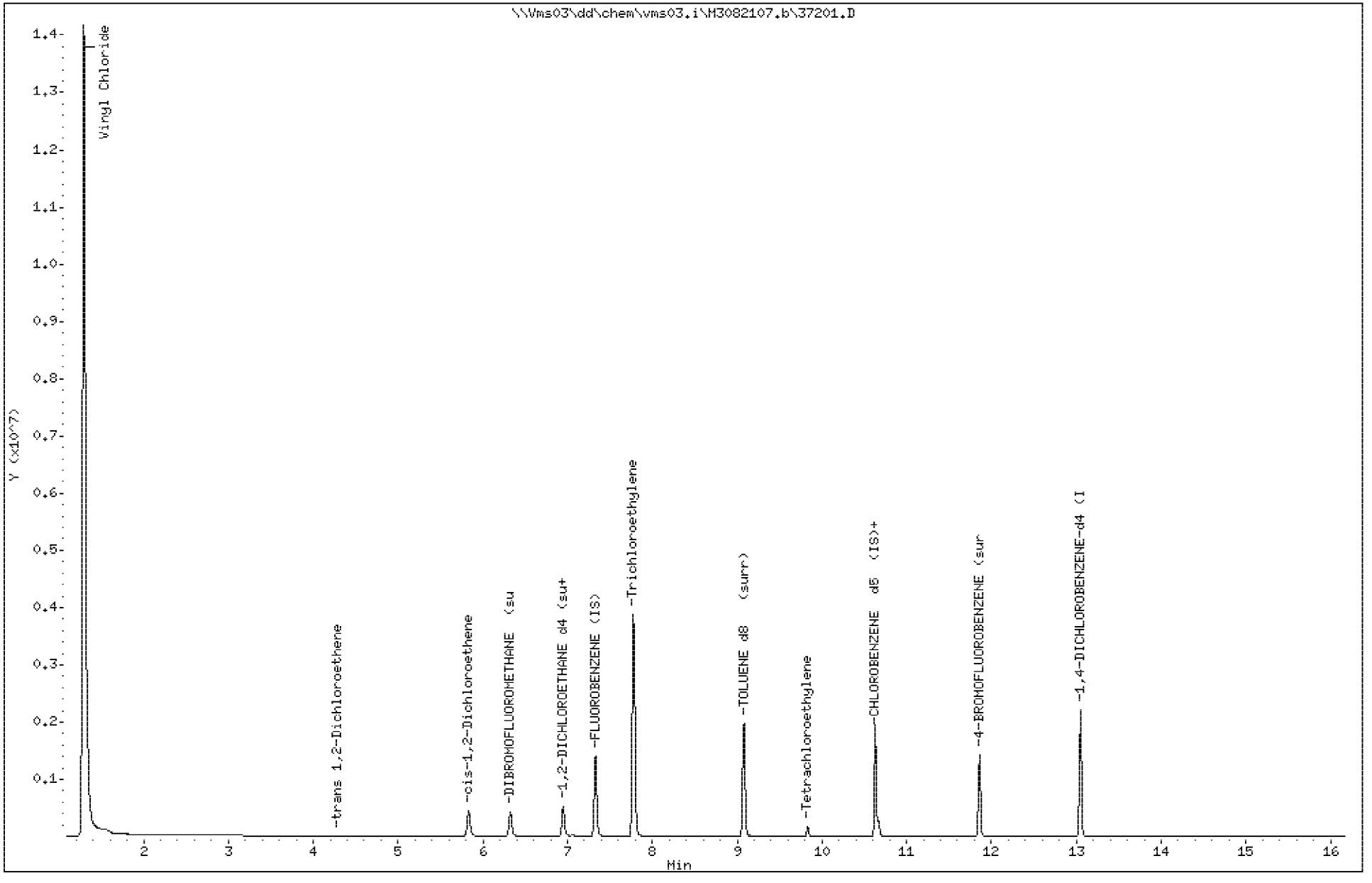
Sample Info: 250737201;2507372;1;

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



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Date : 21-AUG-2007 14:52

Client ID: TO05MW40A

Instrument: vms03.i

Sample Info: 250737201;2507372;1;

Purge Volume: 5.0

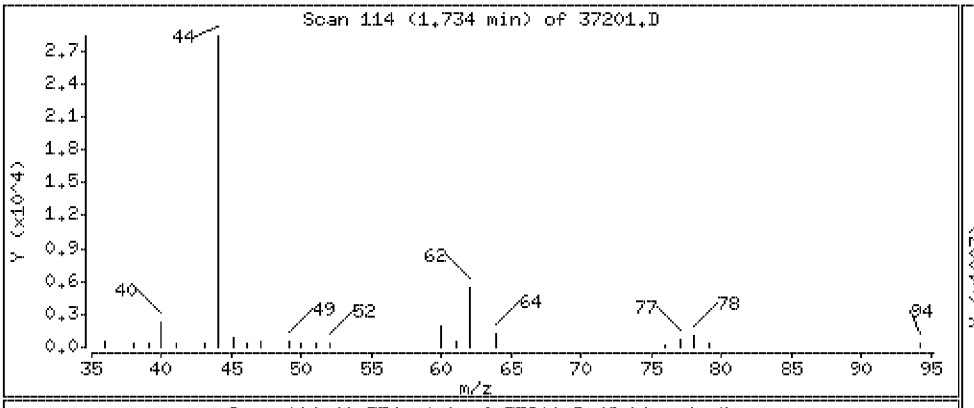
Operator:

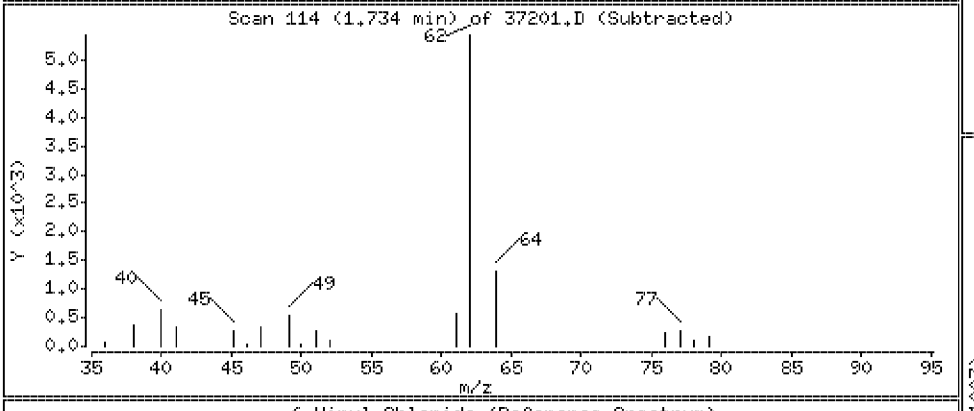
Column phase: DB-624

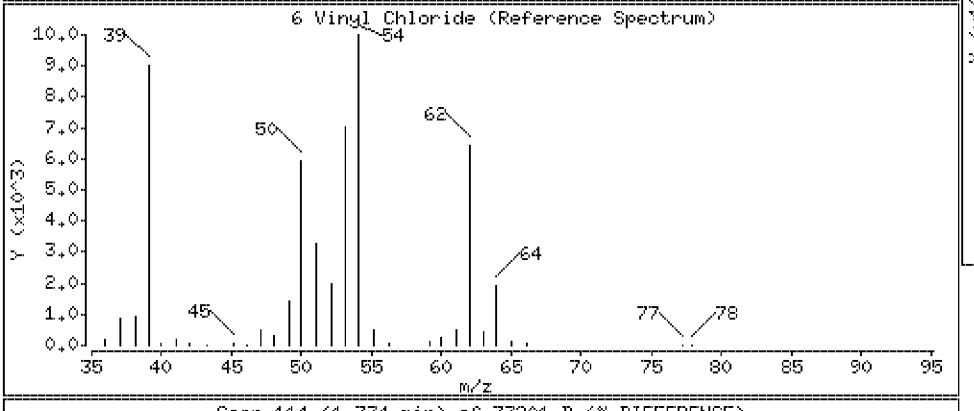
Column diameter: 0.18

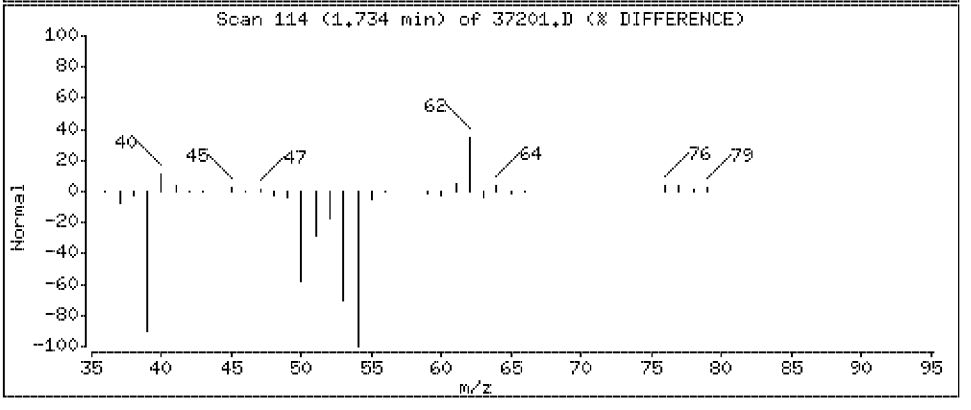
6 Vinyl Chloride

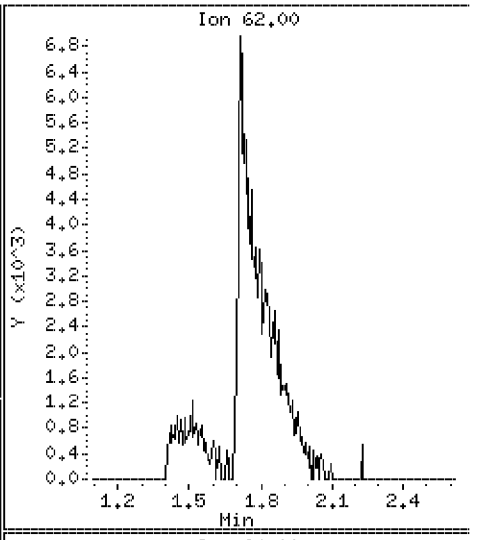
Concentration: 6.6 ug/l

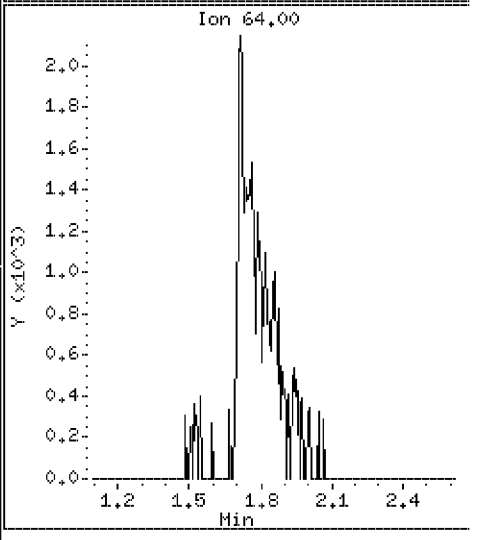












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37201.D

Date : 21-AUG-2007 14:52

Client ID: TO05MW40A

Instrument: vms03.i

Sample Info: 250737201;2507372;1;

Purge Volume: 5.0

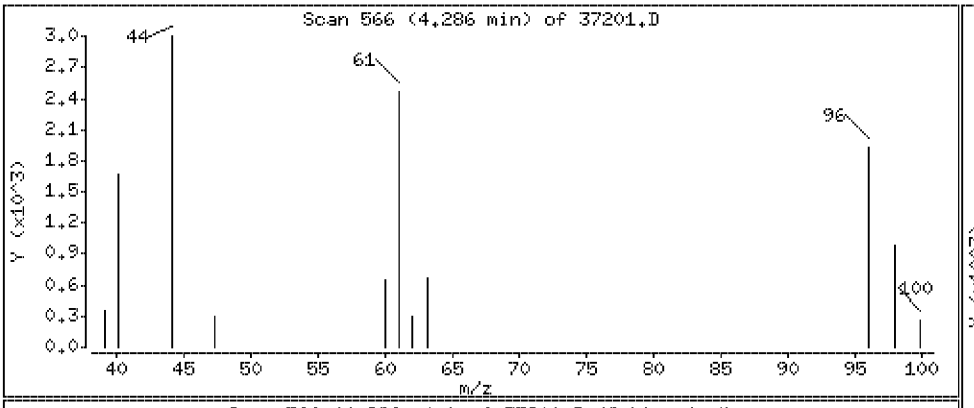
Operator:

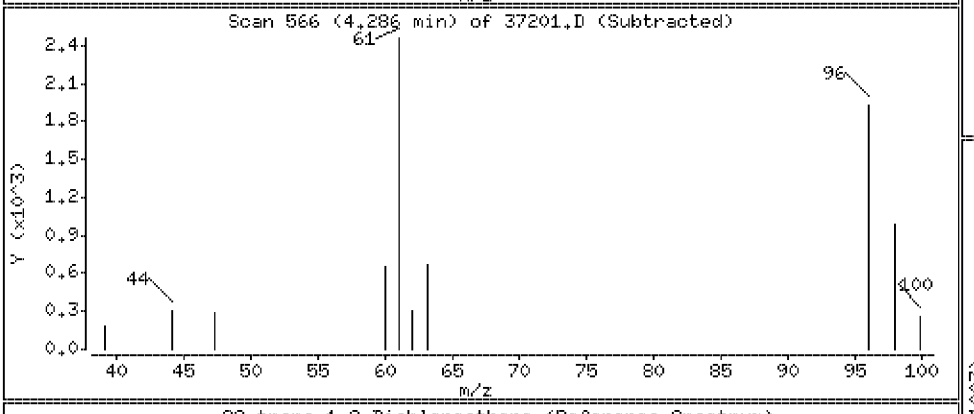
Column phase: DB-624

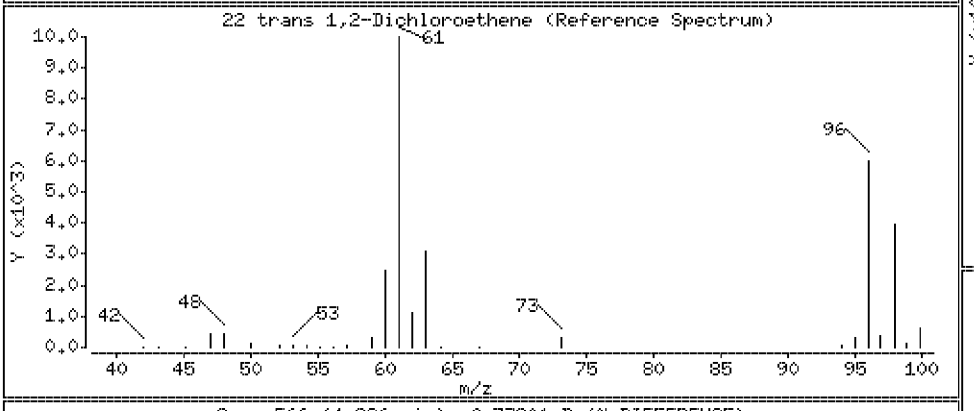
Column diameter: 0.18

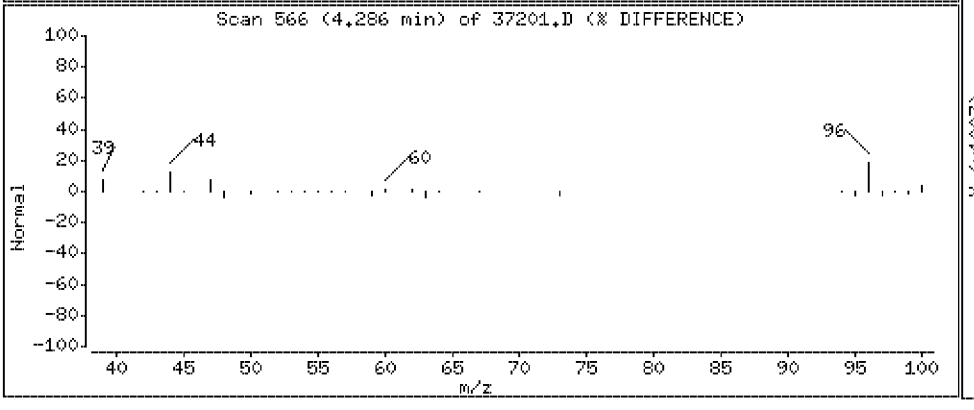
22 trans 1,2-Dichloroethene

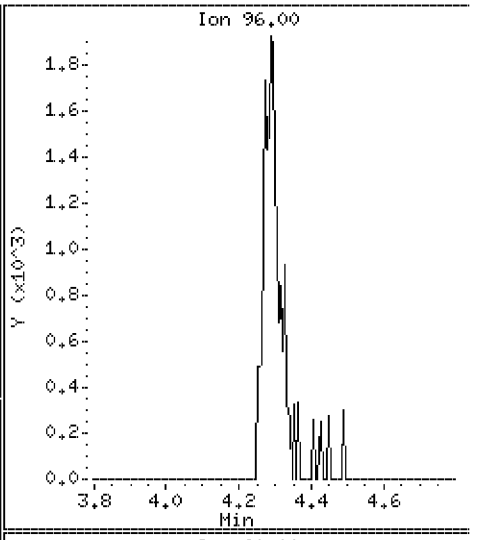
Concentration: 0.79 ug/l

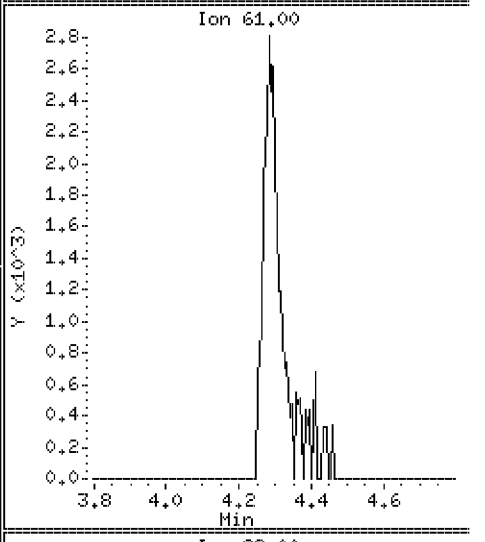


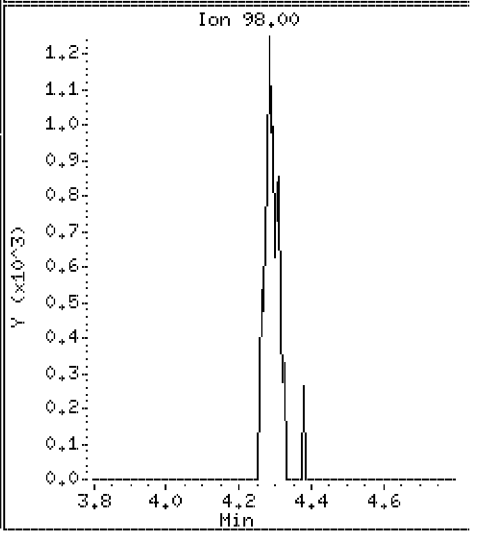












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Date : 21-AUG-2007 14:52

Client ID: TO05MW40A

Instrument: vms03.i

Sample Info: 250737201;2507372;1;

Purge Volume: 5.0

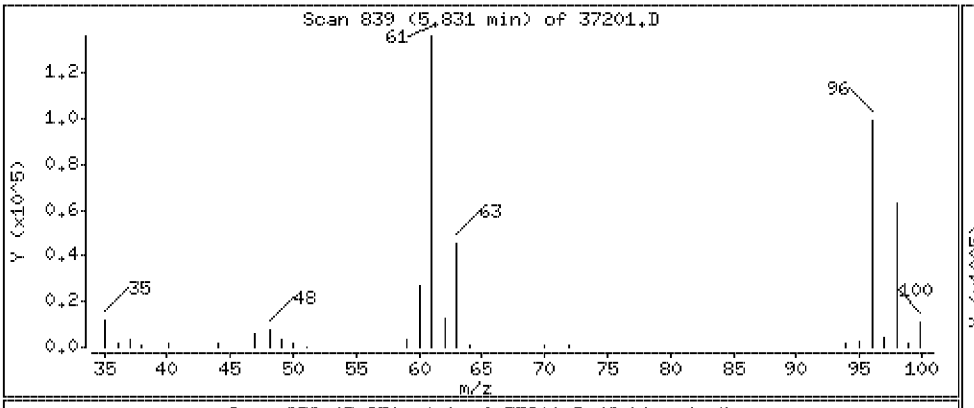
Operator:

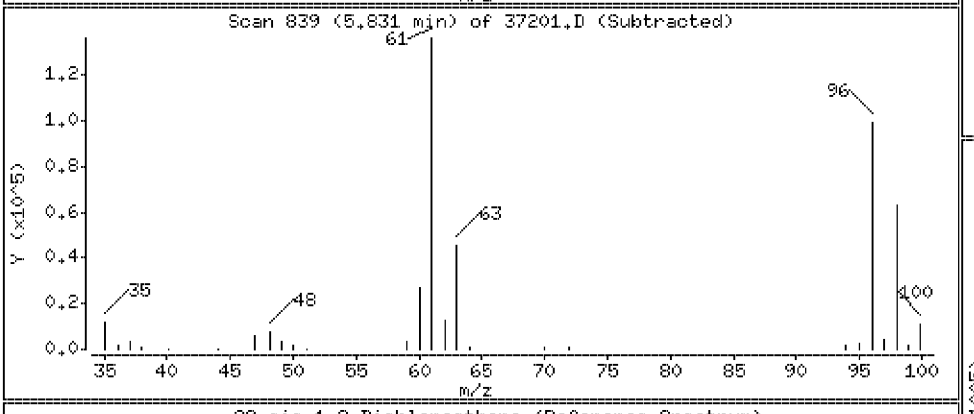
Column phase: DB-624

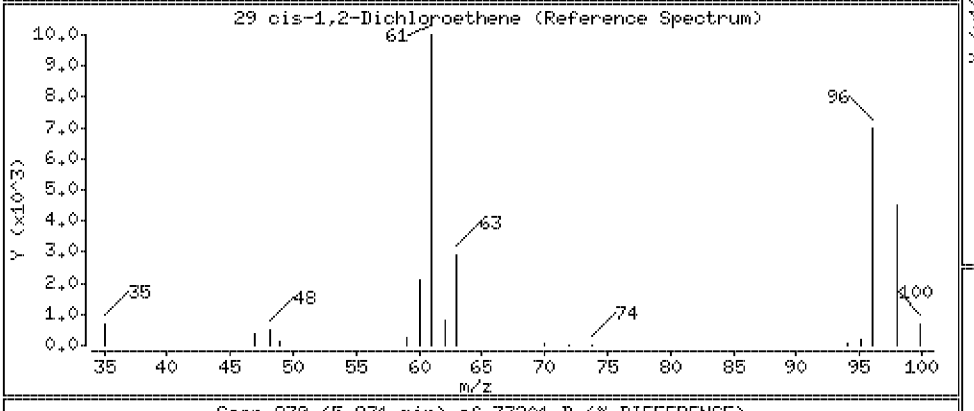
Column diameter: 0.18

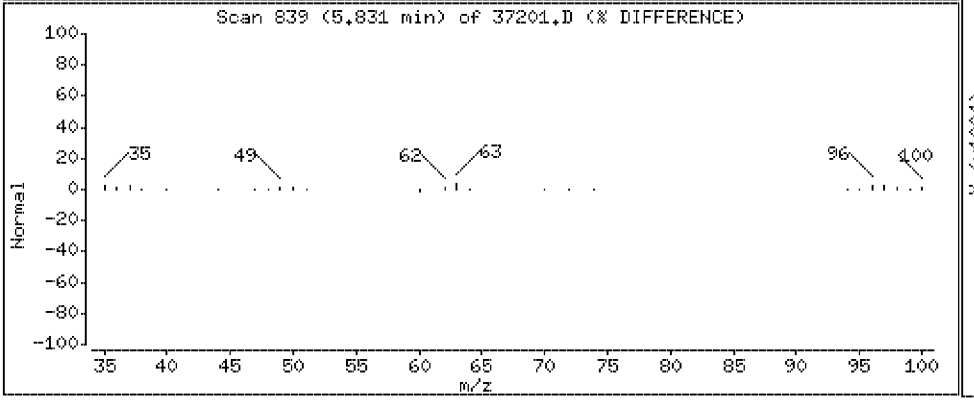
29 cis-1,2-Dichloroethene

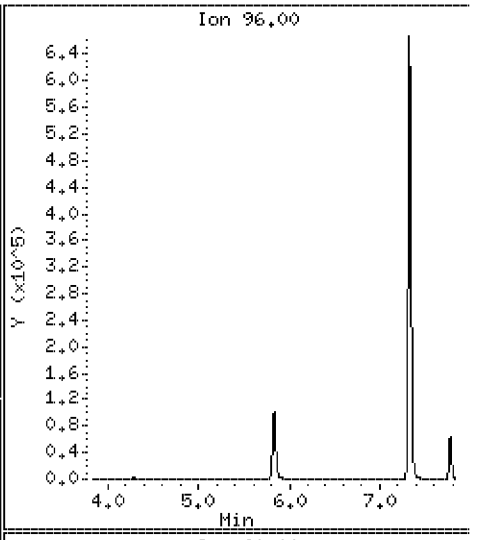
Concentration: 28.1 ug/l

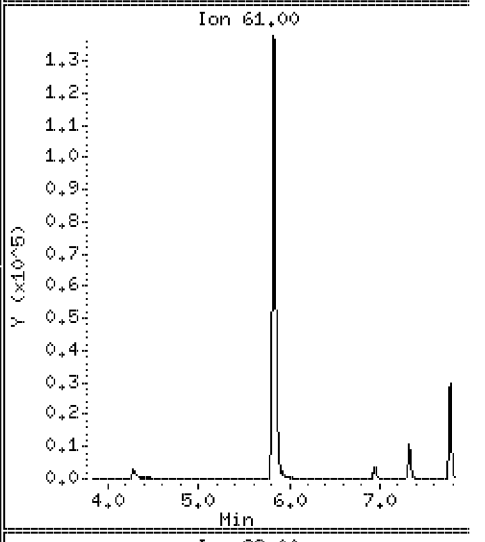


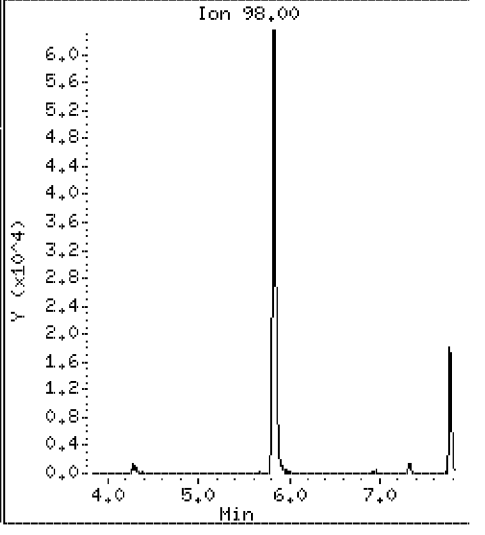












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37201.D

Date : 21-AUG-2007 14:52

Client ID: TO05MW40A

Instrument: vms03.i

Sample Info: 250737201;2507372;1;

Purge Volume: 5.0

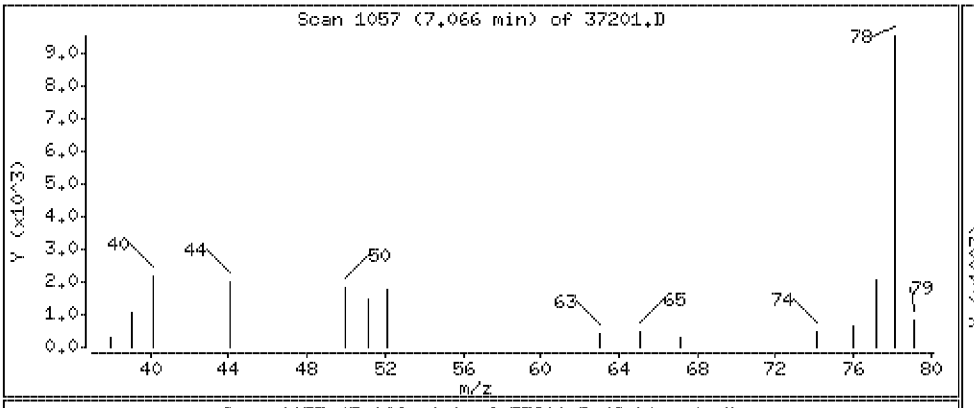
Operator:

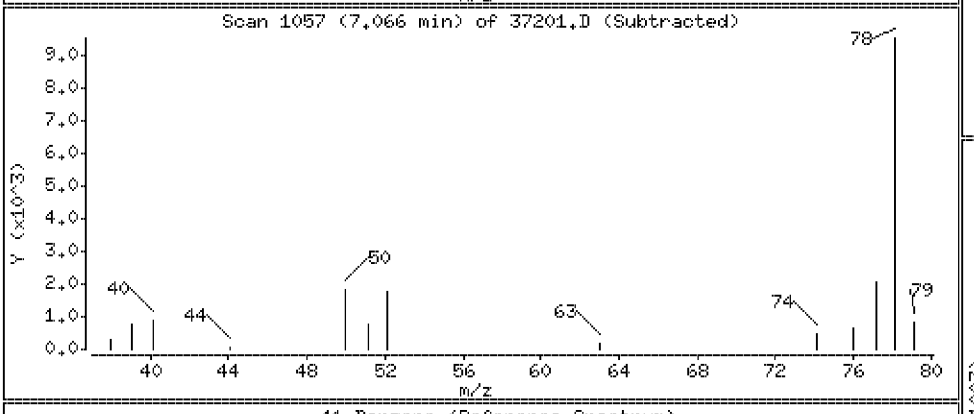
Column phase: DB-624

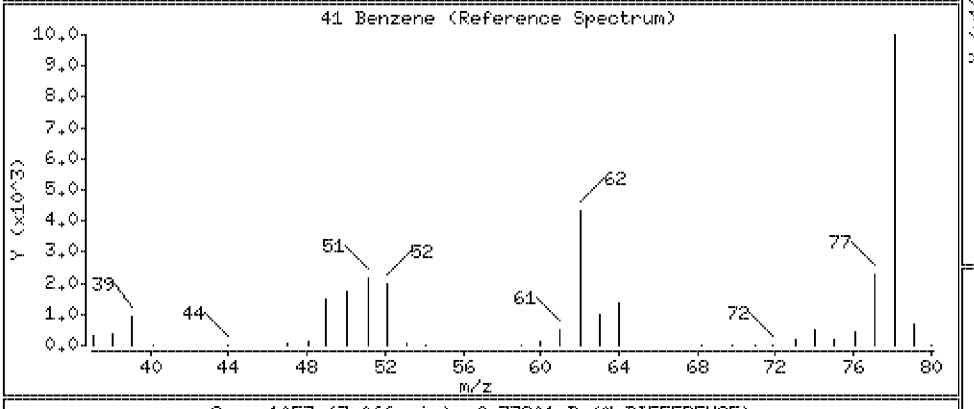
Column diameter: 0.18

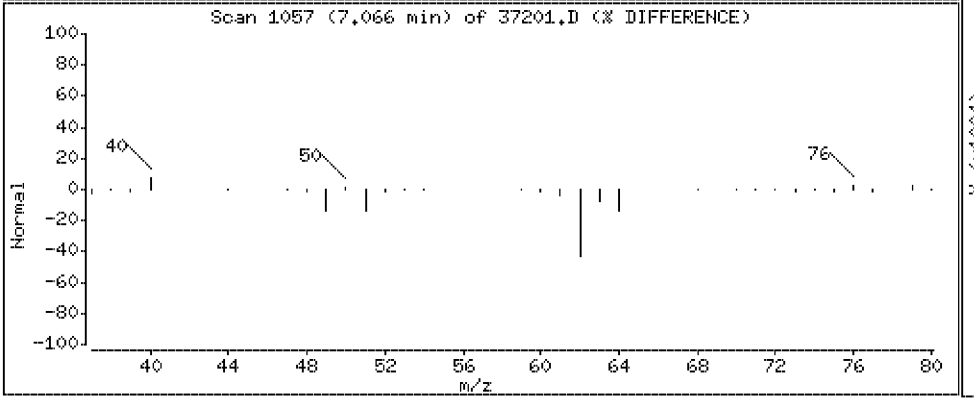
41 Benzene

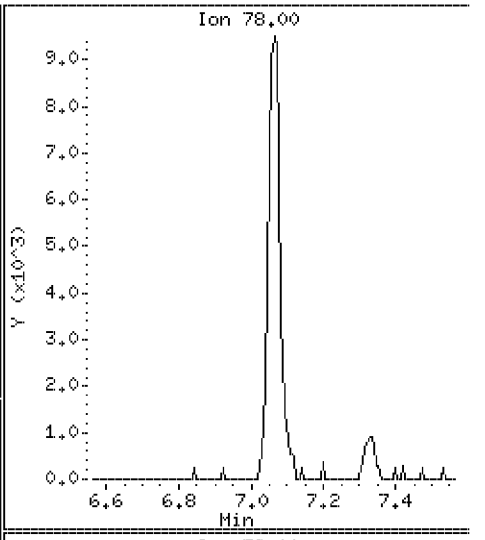
Concentration: 0.62 ug/l

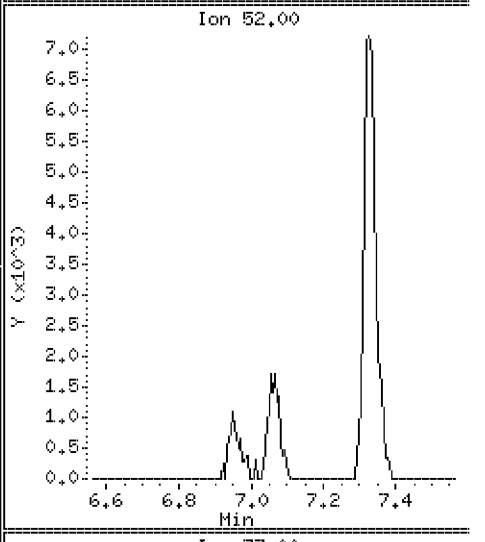


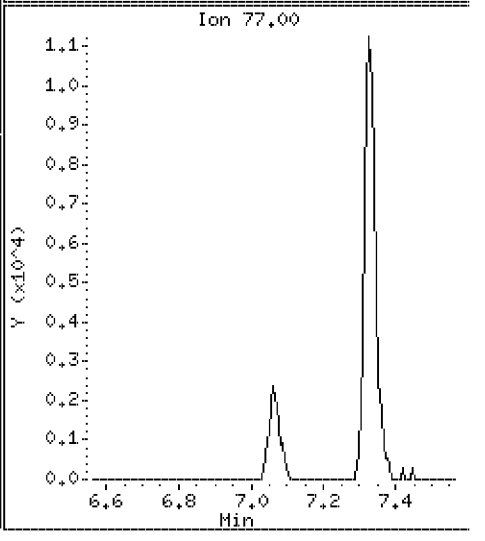












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37201.D

Date : 21-AUG-2007 14:52

Client ID: TO05MW40A

Instrument: vms03.i

Sample Info: 250737201;2507372;1;

Purge Volume: 5.0

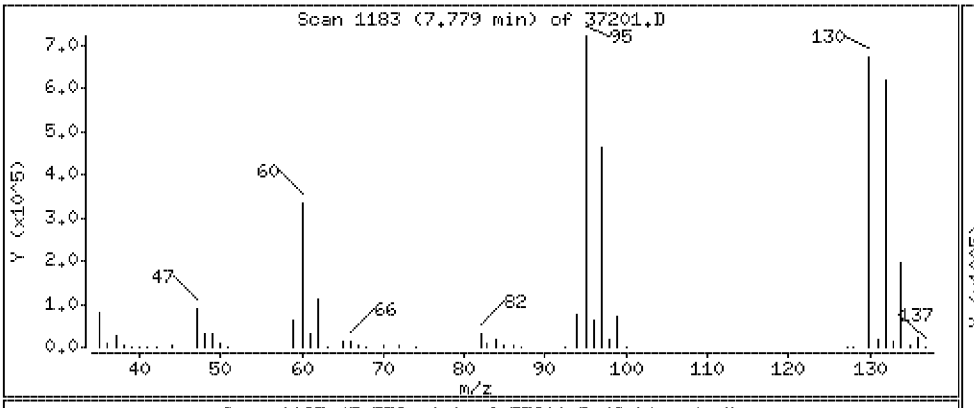
Operator:

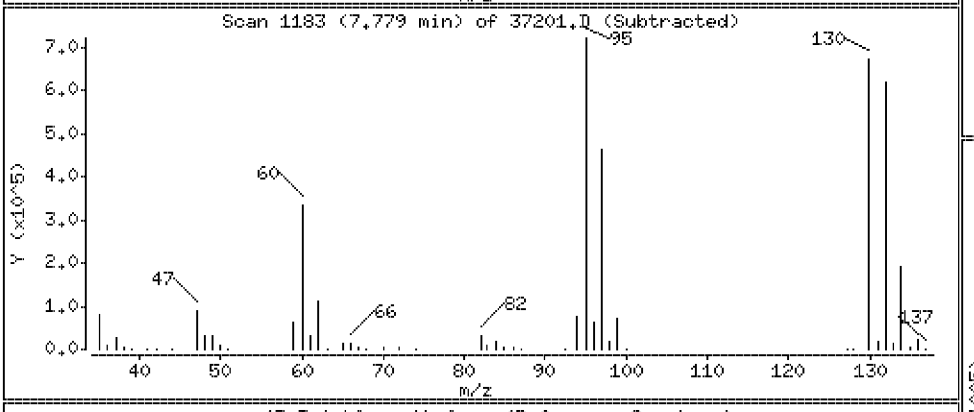
Column phase: DB-624

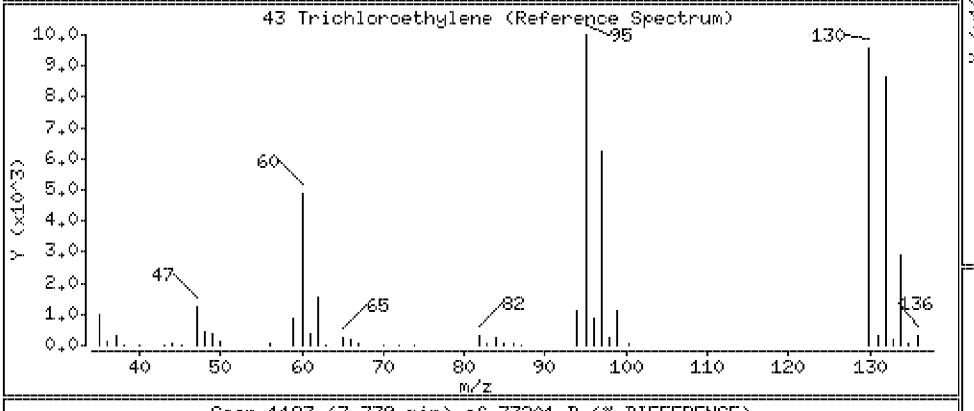
Column diameter: 0.18

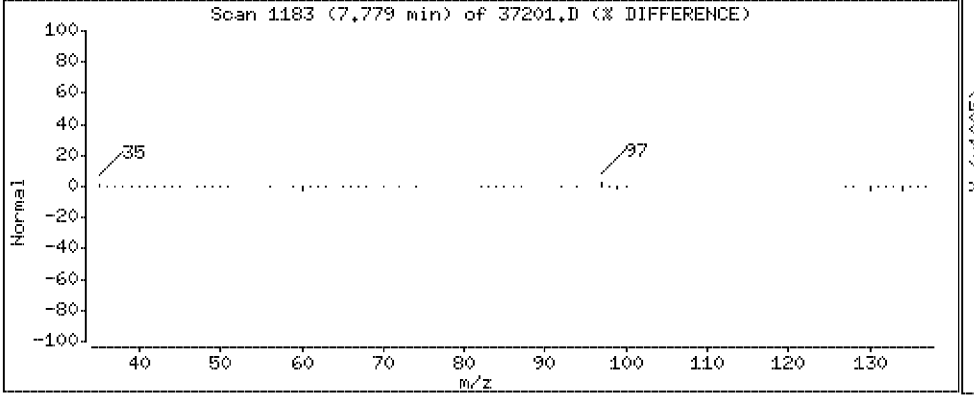
43 Trichloroethylene

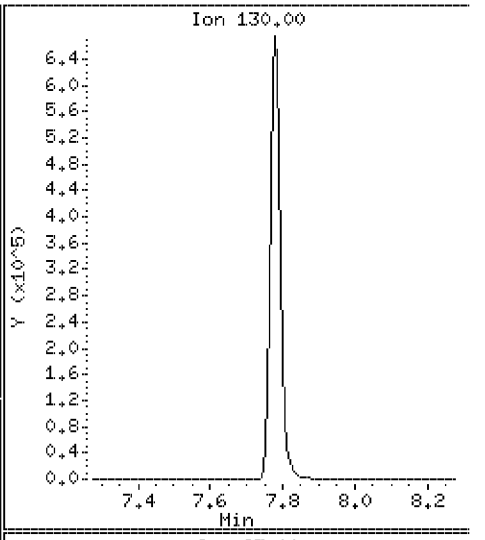
Concentration: 171 ug/l

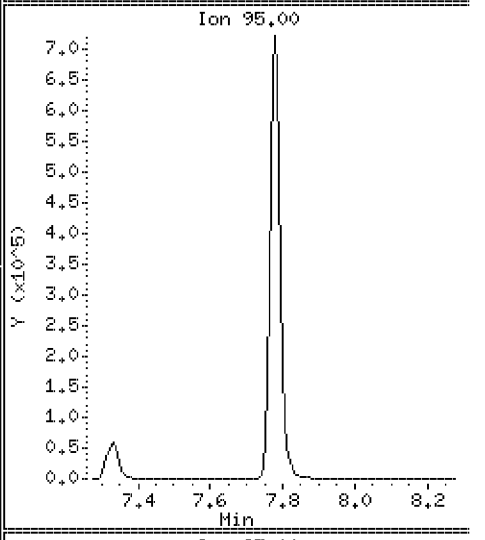


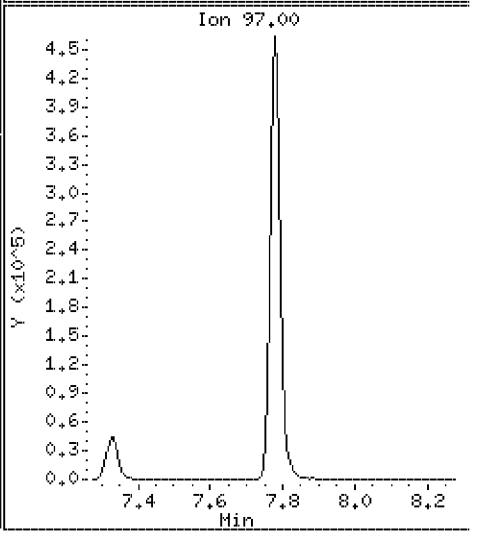












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37201.D

Date : 21-AUG-2007 14:52

Client ID: TO05MW40A

Instrument: vms03.i

Sample Info: 250737201;2507372;1;

Purge Volume: 5.0

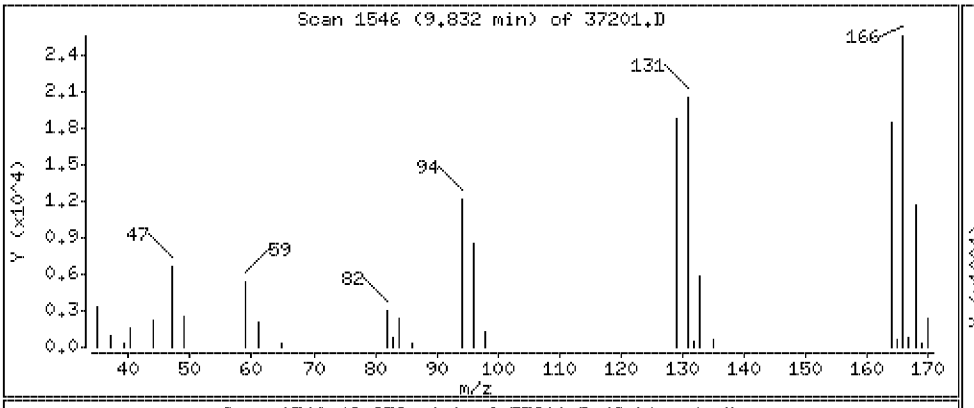
Operator:

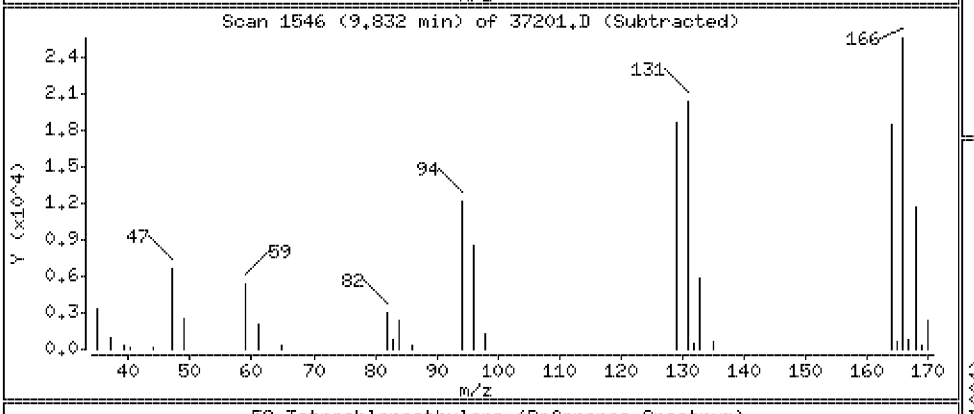
Column phase: DB-624

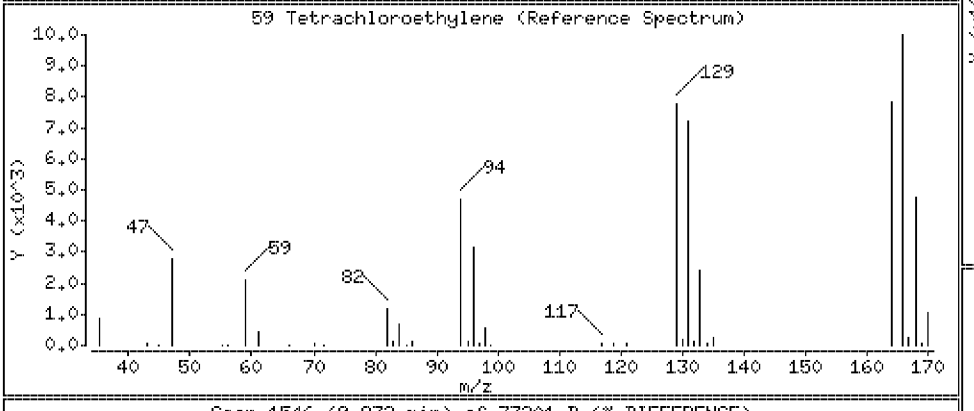
Column diameter: 0.18

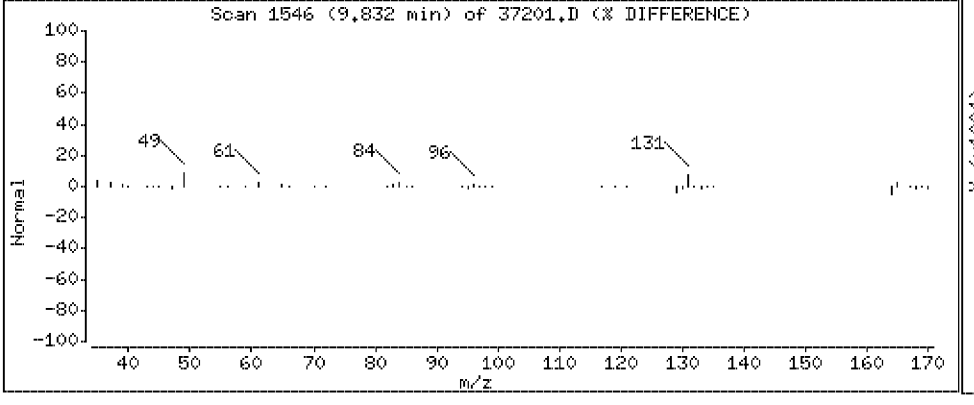
59 Tetrachloroethylene

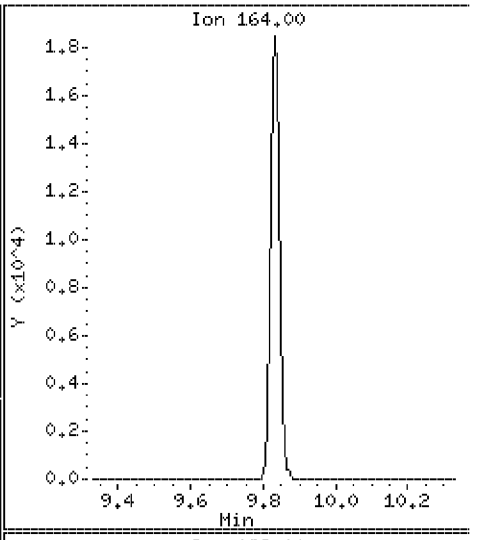
Concentration: 5.8 ug/l

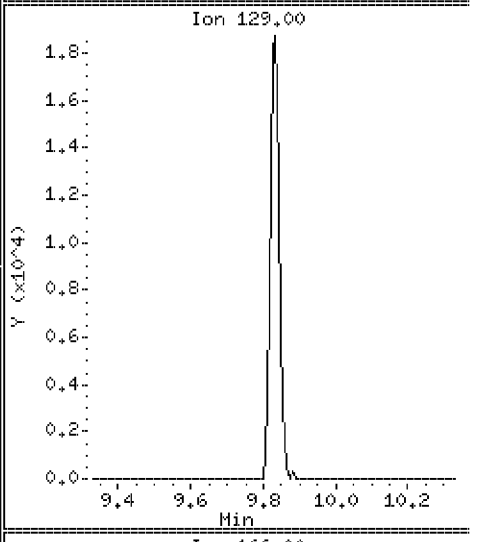


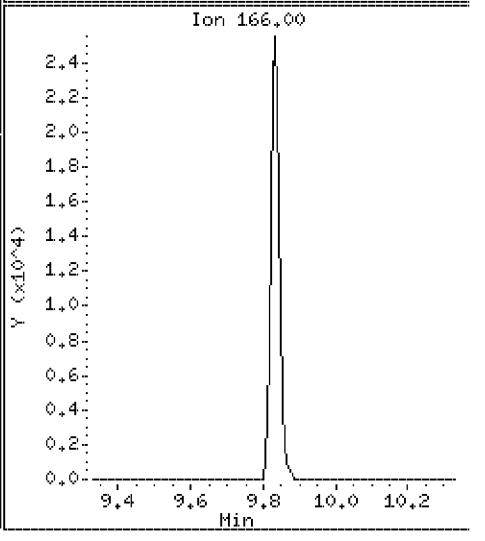












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37201.D

Date : 21-AUG-2007 14:52

Client ID: TO05MW40A

Instrument: vms03.i

Sample Info: 250737201;2507372;1;

Purge Volume: 5.0

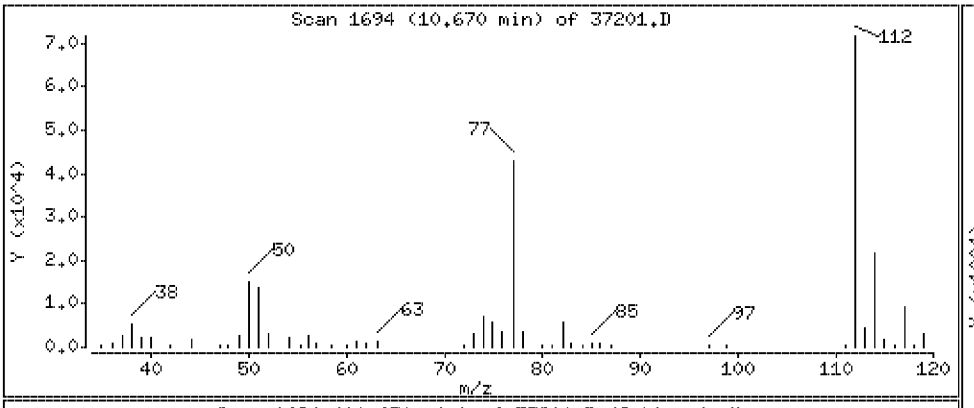
Operator:

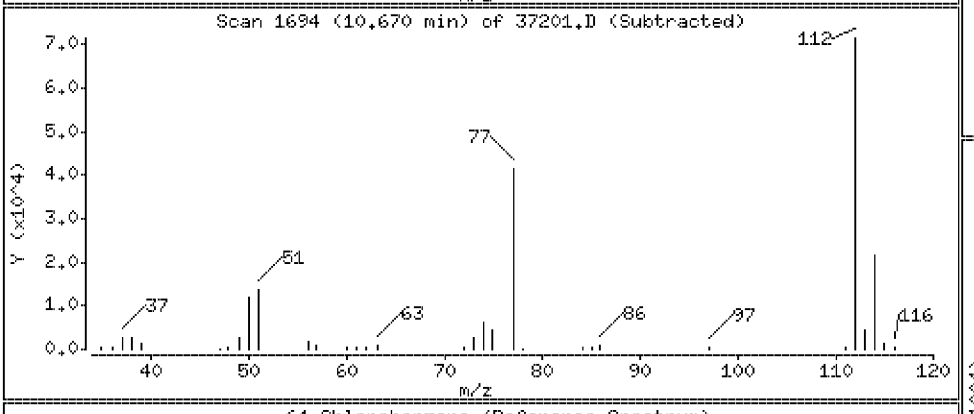
Column phase: DB-624

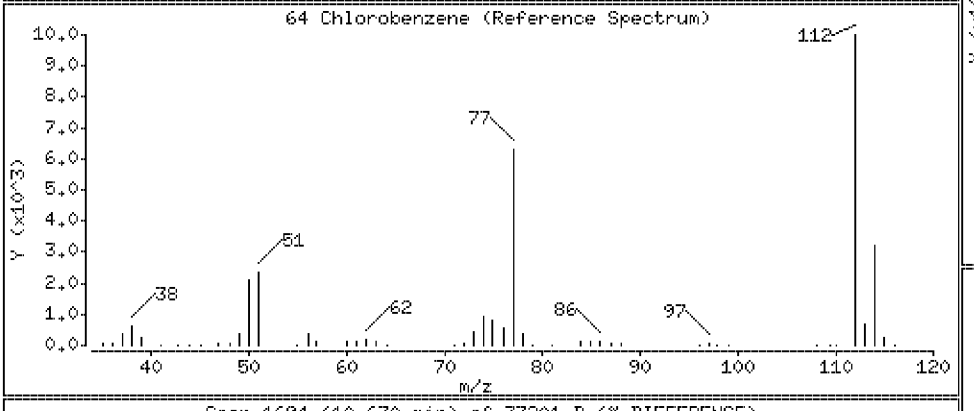
Column diameter: 0.18

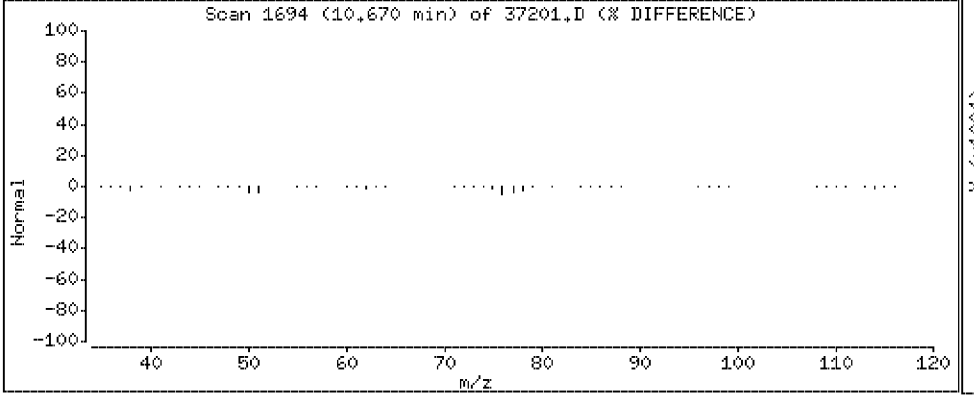
64 Chlorobenzene

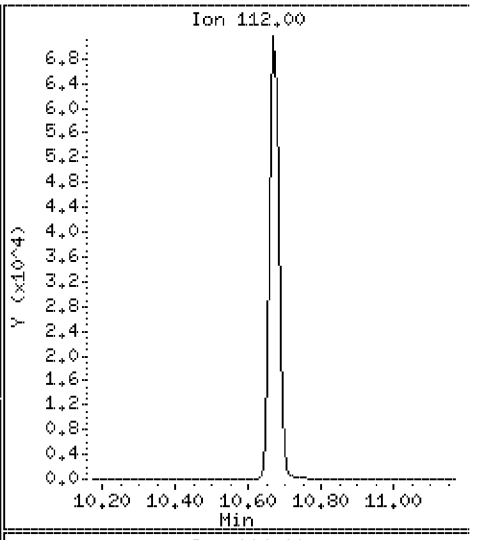
Concentration: 5.0 ug/l

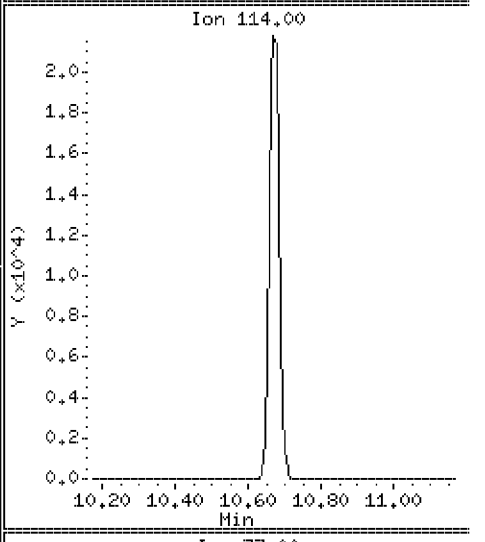


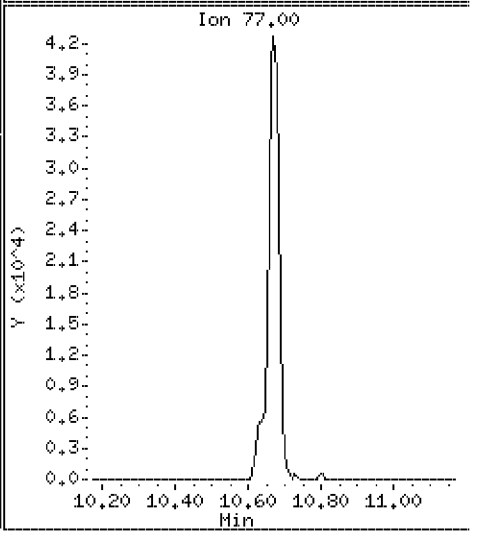












PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3082107.b\37201D.D
Lab Smp Id: 250737201 Client Smp ID: TO05MW40A
Inj Date : 21-AUG-2007 09:20
Operator : Inst ID: vms03.i
Smp Info : 250737201;2507372;10;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3082107.b\8260A.m
Meth Date : 24-Aug-2007 07:37 mjacobs Quant Type: ISTD
Cal Date : 08-AUG-2007 09:24 Cal File: 1PPB.D
Als bottle: 11
Dil Factor: 10.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	10.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				21496	2.24956	22.5
29 cis-1,2-Dichloroethene	96	5.831	5.827	(0.796)	21496	2.24956	22.5(Q)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.326	6.326	(0.863)	377714	52.5057	52.5
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.950	6.951	(0.948)	92712	52.5934	52.6(q)
* 42 FLUOROBENZENE (IS)	96	7.328	7.327	(1.000)	1506270	50.0000	
43 Trichloroethylene	130	7.778	7.776	(1.061)	120354	14.4579	144
$ 53 TOLUENE d8 (surr)	98	9.076	9.076	(1.239)	1553012	51.9408	51.9
59 Tetrachloroethylene	164	9.832	9.829	(0.925)	3181	0.52928	5.3(a)
* 63 CHLOROBENZENE d5 (IS)	117	10.631	10.630	(1.000)	1070664	50.0000	
64 Chlorobenzene	112	10.671	10.668	(1.004)	10827	0.44394	4.4(a)
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.858	11.857	(0.909)	592636	52.0820	52.1
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.048	13.048	(1.000)	549856	50.0000	

QC Flag Legend

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

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 37201D.D
Lab Smp Id: 250737201
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3082107.b\8260A.m
Misc Info:

Calibration Date: 08-AUG-2007
Calibration Time: 06:09
Client Smp ID: TO05MW40A
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1538145	769073	3076290	1506270	-2.07
63 CHLOROBENZENE d5	1065619	532810	2131238	1070664	0.47
86 1,4-DICHLOROBENZE	594676	297338	1189352	549856	-7.54

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.33	6.83	7.83	7.33	0.02
63 CHLOROBENZENE d5	10.63	10.13	11.13	10.63	0.00
86 1,4-DICHLOROBENZE	13.05	12.55	13.55	13.05	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37201D.D

Date : 21-AUG-2007 09:20

Client ID: TO05MW40A

Instrument: vms03.i

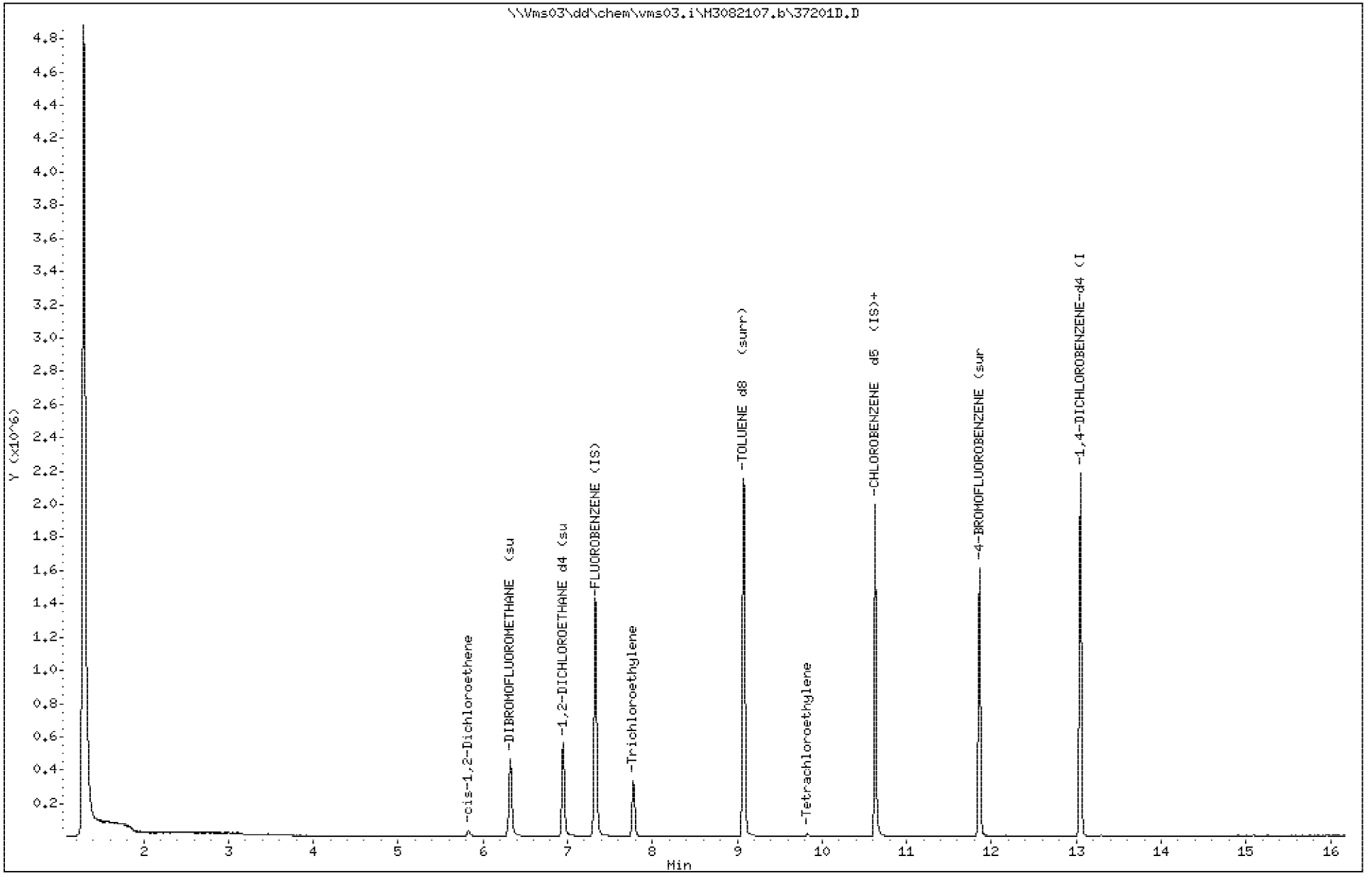
Sample Info: 250737201;2507372;10;

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37201D.D

Date : 21-AUG-2007 09:20

Client ID: TO05MW40A

Instrument: vms03.i

Sample Info: 250737201;2507372;10;

Purge Volume: 5.0

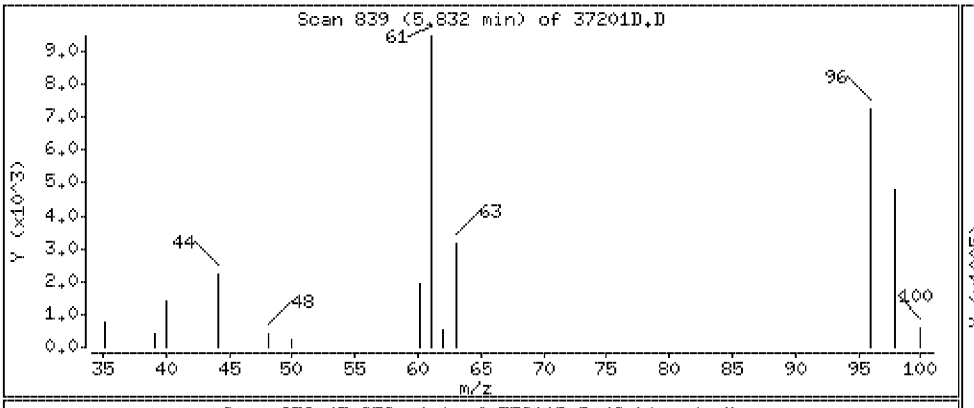
Operator:

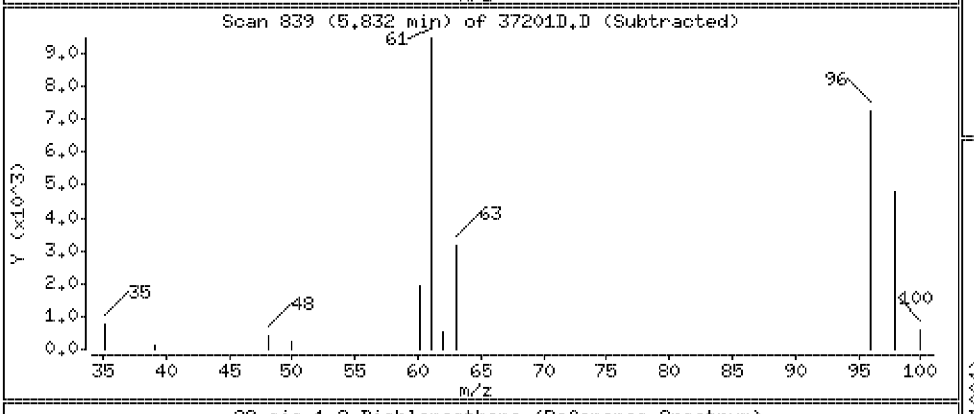
Column phase: DB-624

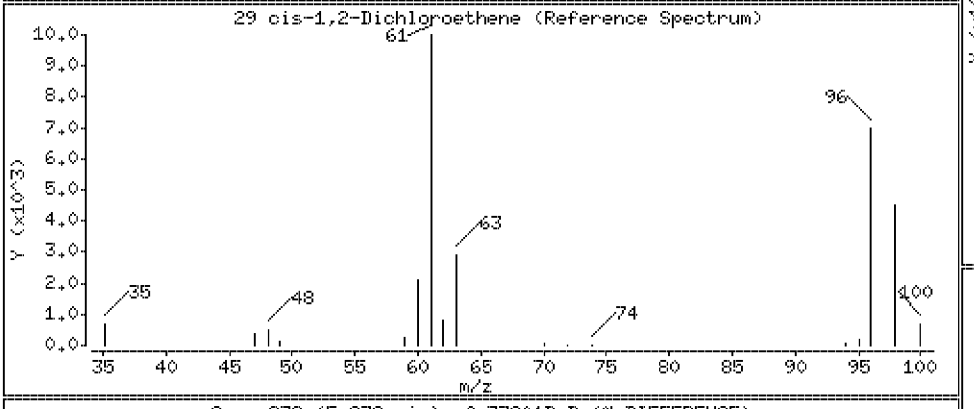
Column diameter: 0.18

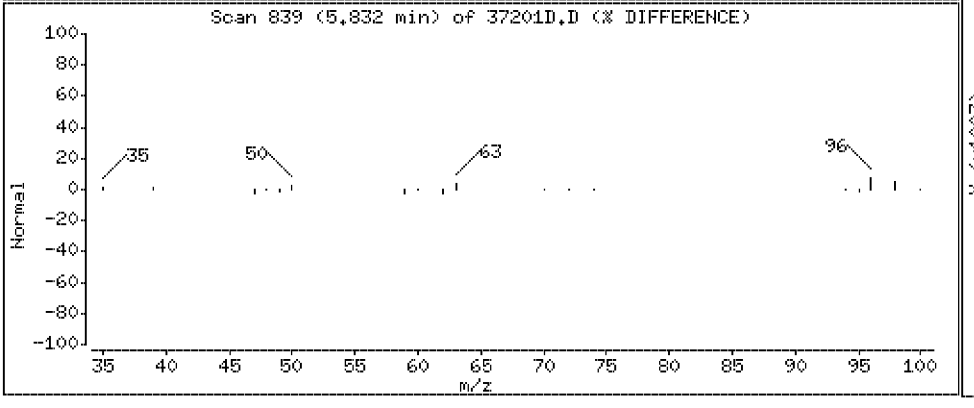
29 cis-1,2-Dichloroethene

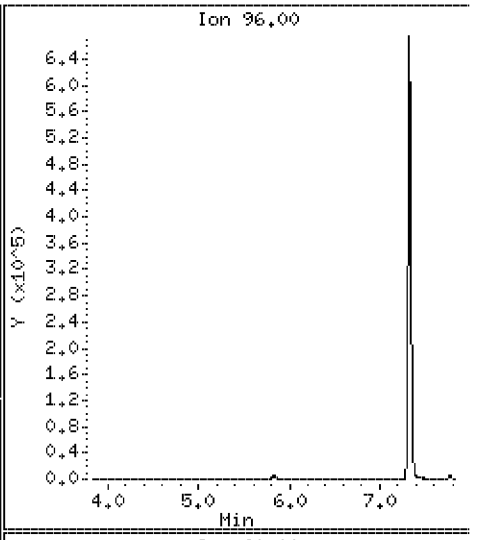
Concentration: 22.5 ug/l

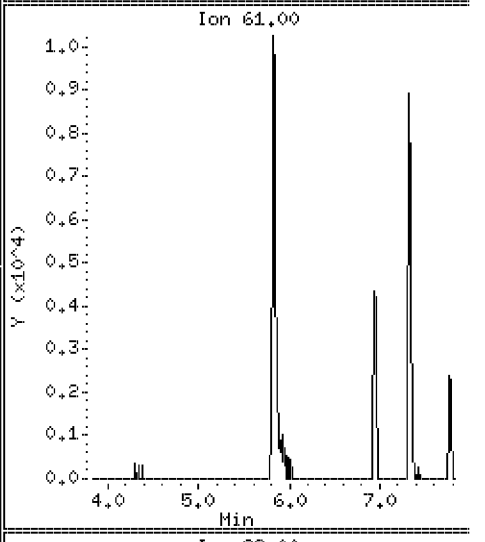


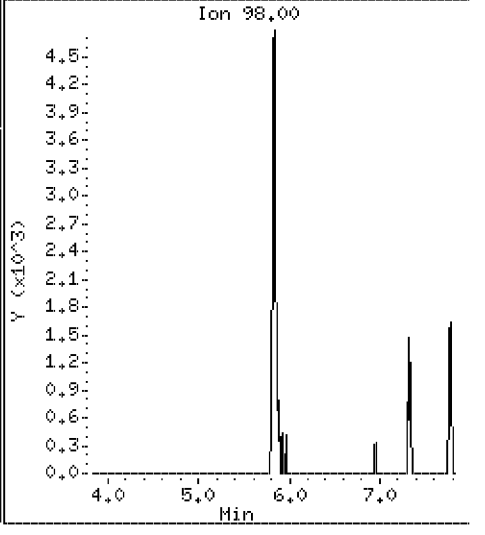












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37201D.D

Date : 21-AUG-2007 09:20

Client ID: TO05MW40A

Instrument: vms03.i

Sample Info: 250737201;2507372;10;

Purge Volume: 5.0

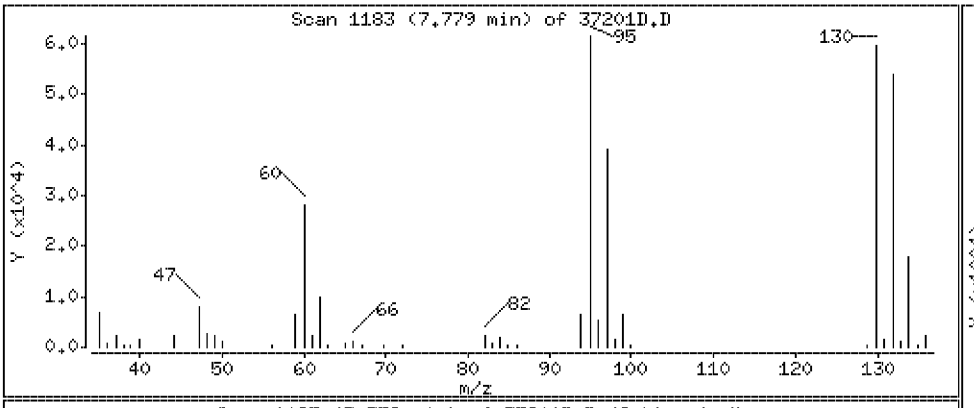
Operator:

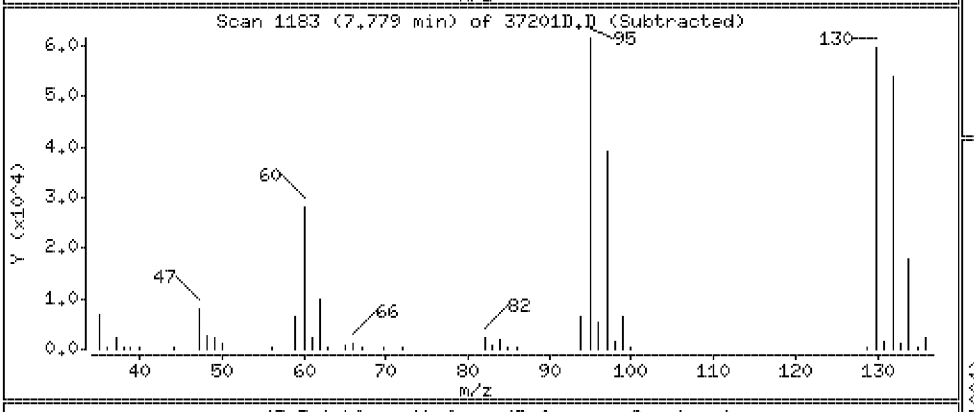
Column phase: DB-624

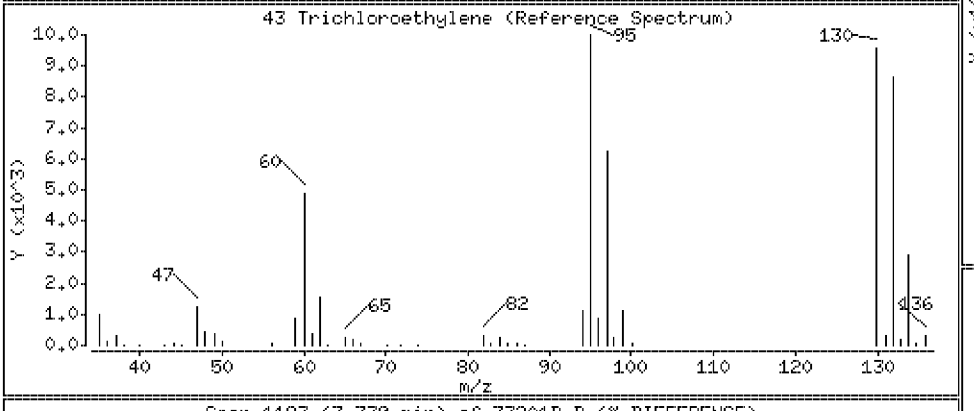
Column diameter: 0.18

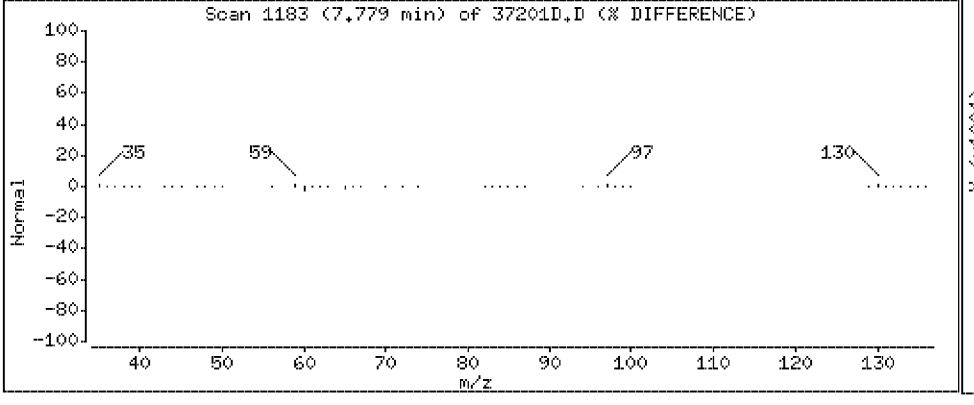
43 Trichloroethylene

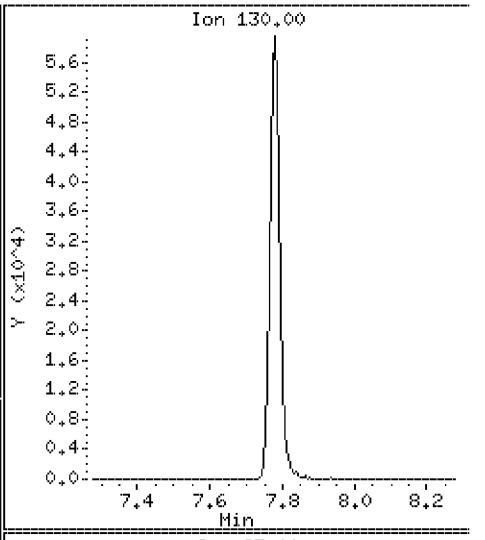
Concentration: 144 ug/l

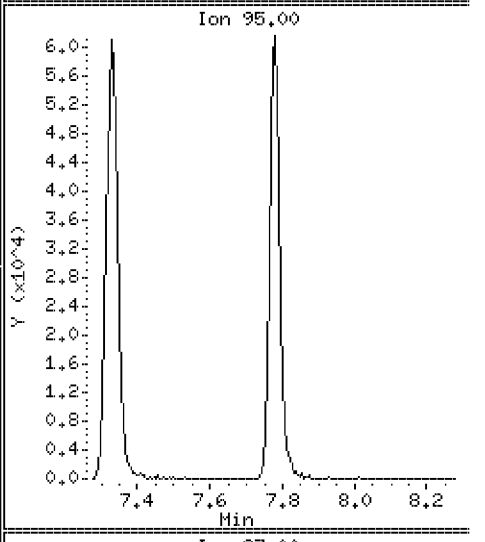


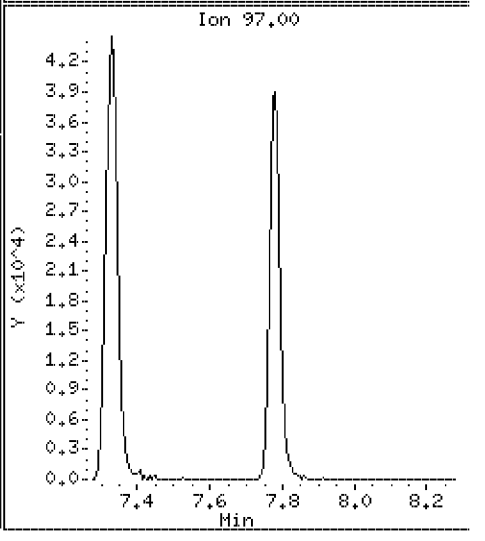












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Date : 21-AUG-2007 09:20

Client ID: TO05MW40A

Instrument: vms03.i

Sample Info: 250737201;2507372;10;

Purge Volume: 5.0

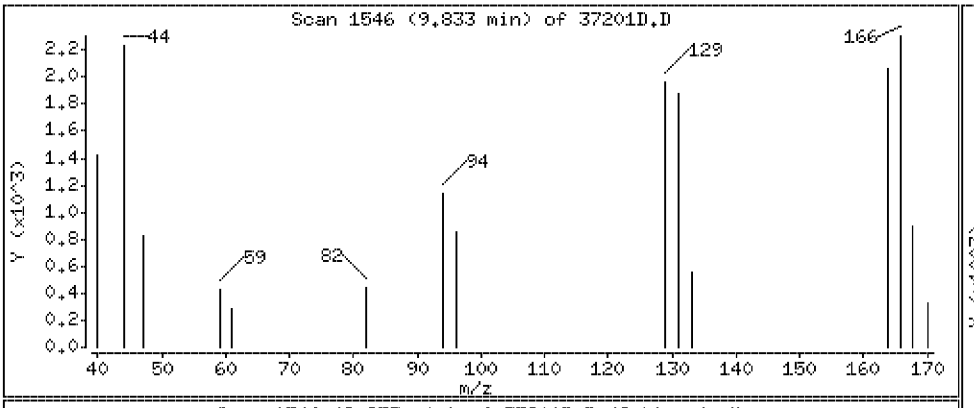
Operator:

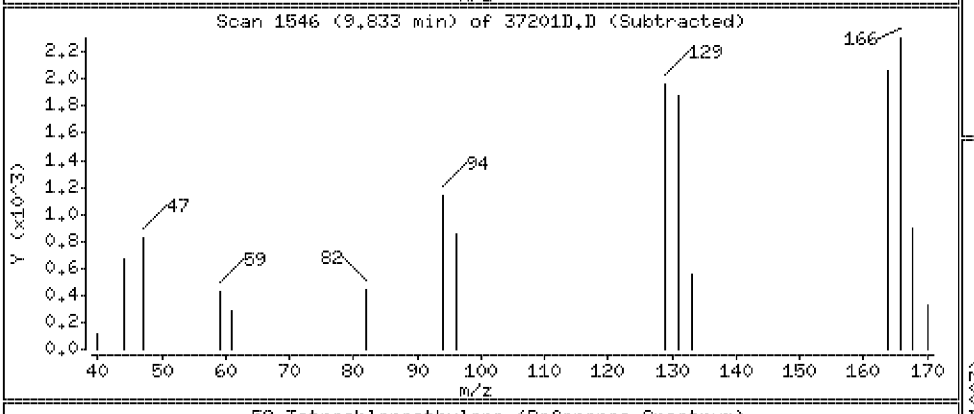
Column phase: DB-624

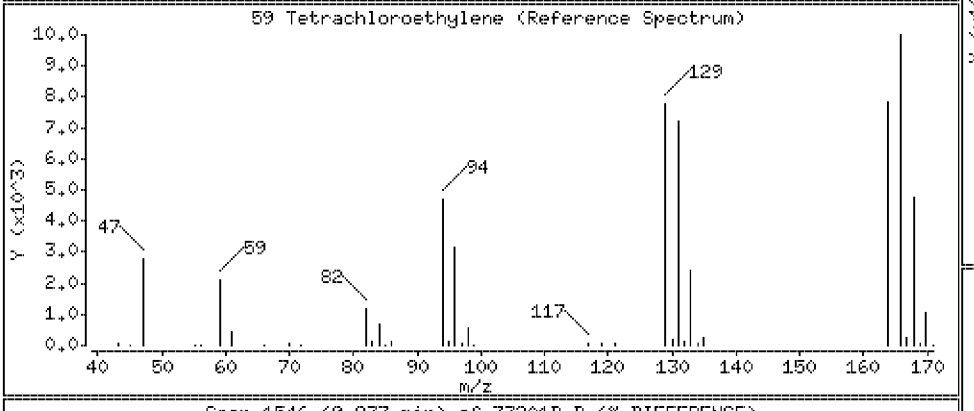
Column diameter: 0.18

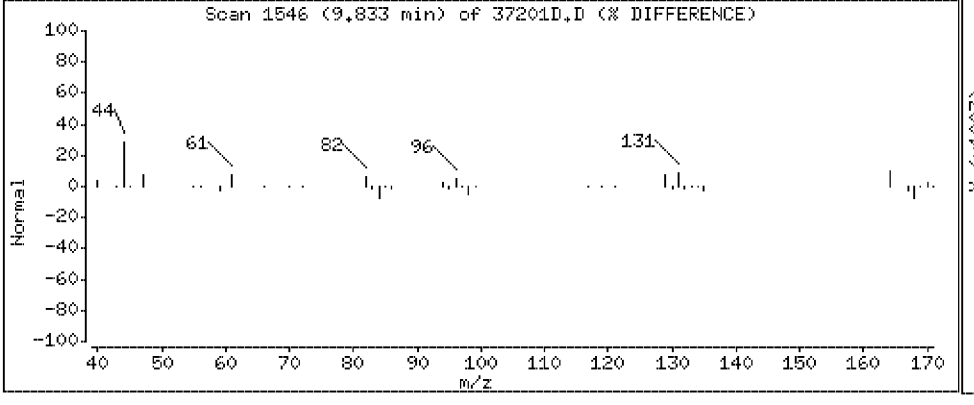
59 Tetrachloroethylene

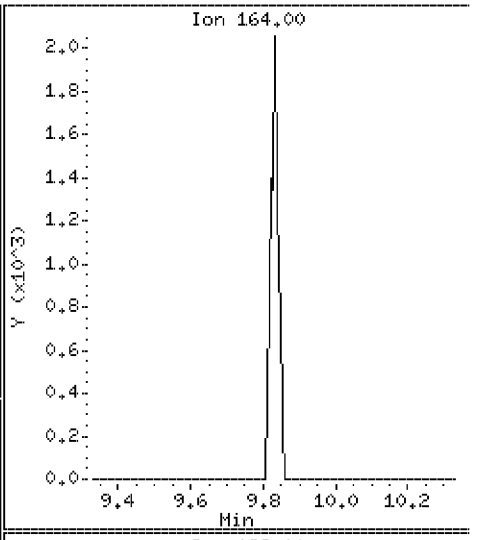
Concentration: 5.3 ug/l

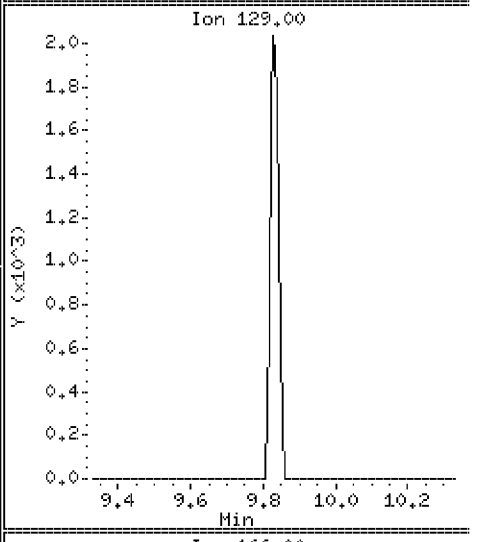


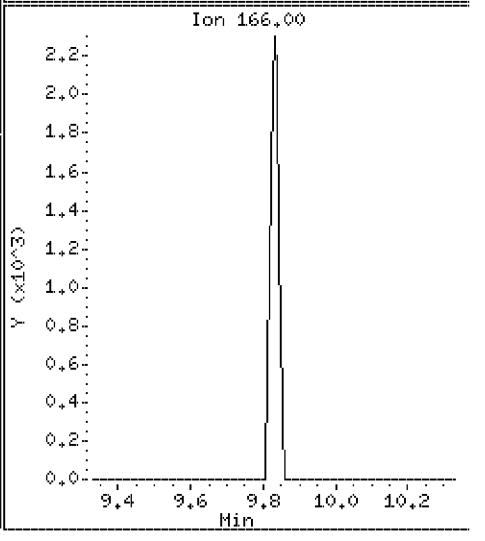












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Date : 21-AUG-2007 09:20

Client ID: TO05MW40A

Instrument: vms03.i

Sample Info: 250737201;2507372;10;

Purge Volume: 5.0

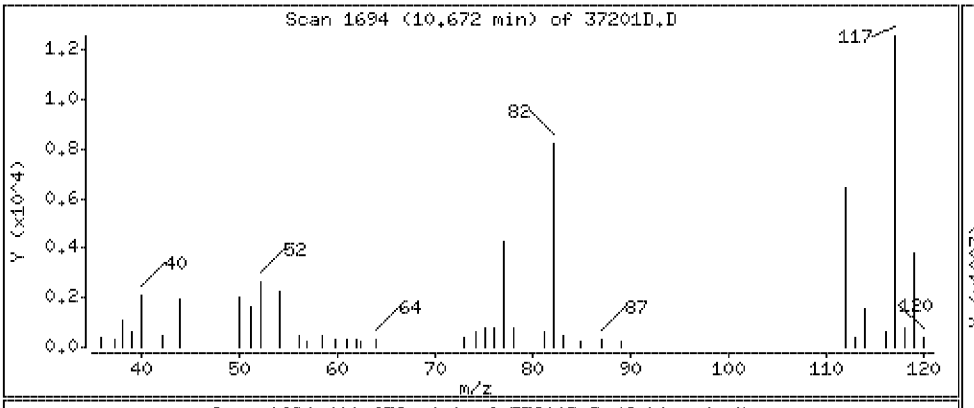
Operator:

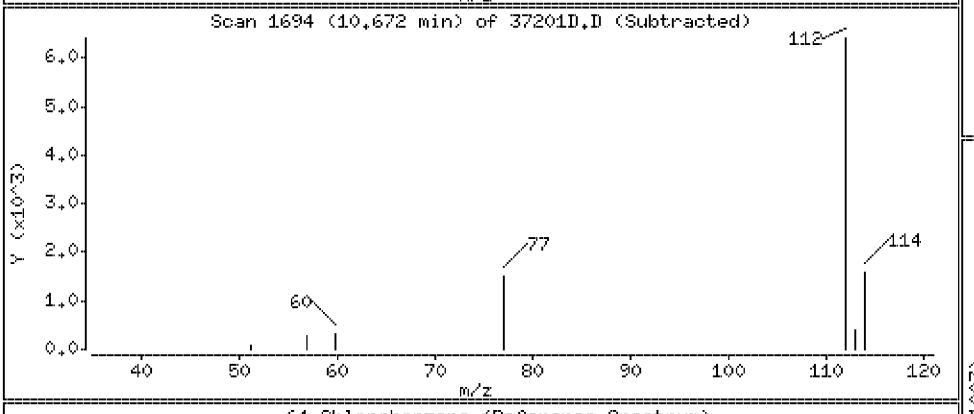
Column phase: DB-624

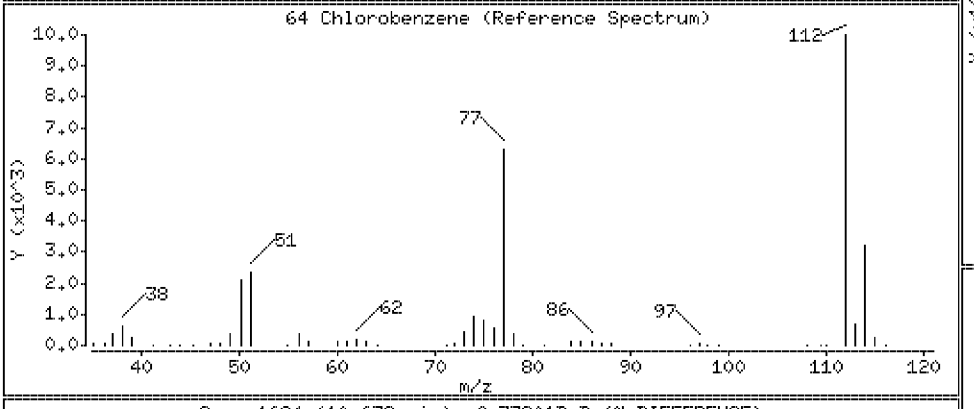
Column diameter: 0.18

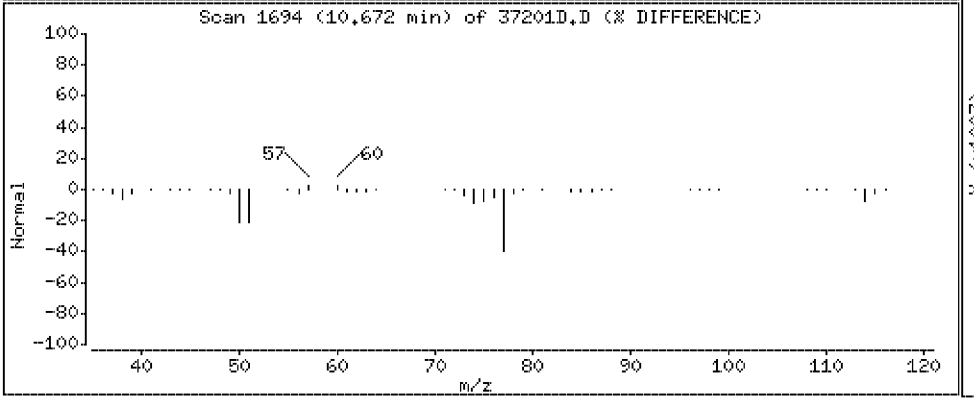
64 Chlorobenzene

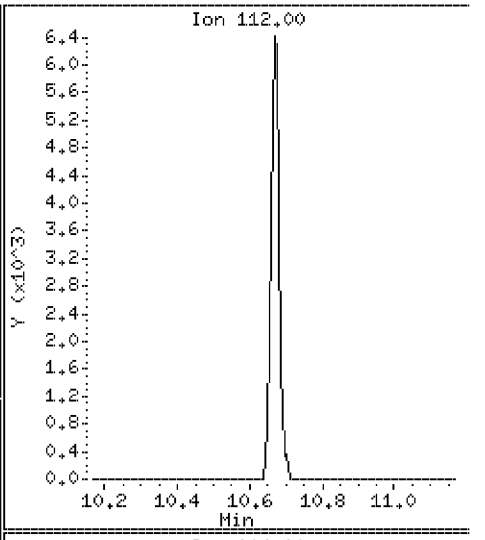
Concentration: 4.4 ug/l

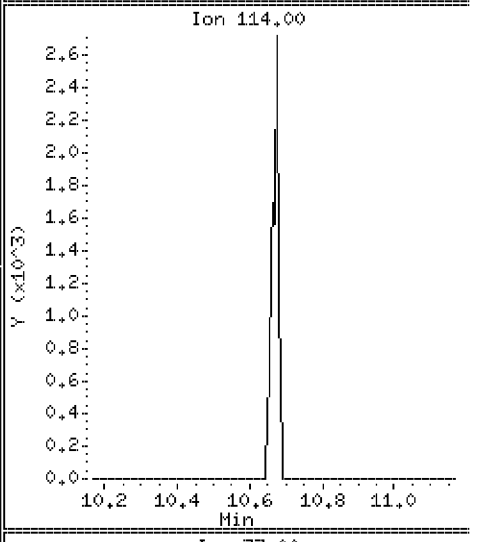


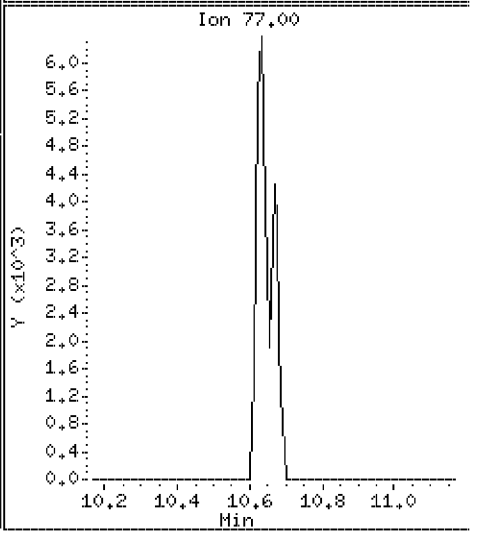












PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D
Lab Smp Id: 250737202 Client Smp ID: TO05MW40AMS
Inj Date : 21-AUG-2007 07:22
Operator : Inst ID: vms03.i
Smp Info : 250737202;2507372;10;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3082107.b\8260A.m
Meth Date : 24-Aug-2007 07:37 mjacobs Quant Type: ISTD
Cal Date : 08-AUG-2007 09:24 Cal File: 1PPB.D
Als bottle: 6 QC Sample: MS
Dil Factor: 10.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	10.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				499281	42.9276	429
M 2 Xylenes (Total)	100				1404638	58.6234	586
M 3 Trihalomethanes (Total)	100				749990	73.8131	738
4 Dichlorodifluoromethane	85	1.411	1.405	(0.193)	133904	24.5557	246
5 Chloromethane	50	1.634	1.620	(0.223)	227269	24.4254	244(R)
6 Vinyl Chloride	62	1.734	1.738	(0.237)	190011	25.1780	252(R)
7 Bromomethane	96	2.125	2.132	(0.290)	98095	22.3551	224(Q)
8 Chloroethane	64	2.208	2.242	(0.301)	123319	22.2998	223
9 Trichlorofluoromethane	101	2.461	2.458	(0.336)	192327	22.1281	221
10 Acrolein	56	2.946	2.940	(0.402)	91253	65.1340	651(Q)
11 1,1,2 Trichlorotrifluoromethan	101	2.961	2.955	(0.404)	127872	18.8690	189(Q)
12 Acetone	43	3.010	3.024	(0.411)	114918	49.5478	495
13 1,1-Dichloroethene	61	3.172	3.174	(0.433)	302293	20.1518	202
109 t-Butyl-Alcohol	59	3.292	3.300	(0.449)	105935	138.872	1390(Q)
14 Acetonitrile	41	3.368	3.349	(0.460)	126041	110.771	1110(R)
15 Iodomethane	142	3.558	3.555	(0.486)	178787	19.3520	194(q)
16 Methyl Acetate	43	3.634	3.632	(0.496)	131407	17.2441	172
17 Allyl Chloride	41	3.667	3.658	(0.501)	297990	20.3744	204(q)
18 Carbon Disulfide	76	3.814	3.813	(0.520)	551476	16.8744	169(R)
19 Methylene Chloride	49	3.854	3.864	(0.526)	287955	18.7614	188
20 Acrylonitrile	53	4.051	4.045	(0.553)	187849	52.8672	529
21 Methyl-tert-butyl ether	73	4.103	4.108	(0.560)	351158	20.1441	201(q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	22 trans 1,2-Dichloroethene	61	4.290	4.294	(0.586)	275997	20.1365	201
	23 1,1-Dichloroethane	63	4.951	4.944	(0.676)	345474	20.7181	207
	24 Vinyl Acetate	43	5.009	5.009	(0.684)	319804	16.8848	169(R)
	25 Chloroprene	53	5.082	5.085	(0.694)	250651	17.7720	178
	26 2-Butanone	43	5.618	5.626	(0.767)	209189	44.5984	446(R)
	27 Propionitrile	54	5.720	5.725	(0.781)	230548	163.210	1630
	28 2,2-Dichloropropane	77	5.763	5.761	(0.786)	106418	20.8026	208
	29 cis-1,2-Dichloroethene	96	5.829	5.827	(0.795)	223284	22.7911	228
	30 Methyacrylonitrile	67	5.978	5.981	(0.816)	673813	172.704	1730(R)
	31 Isobutyl Alcohol	43	6.054	6.062	(0.826)	97007	286.100	2860(Q)
	32 Chloroform	83	6.042	6.043	(0.825)	312430	19.5174	195
	33 Bromochloromethane	49	6.245	6.240	(0.852)	173487	18.4843	185
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.325	6.326	(0.863)	371517	50.3721	50.4
	35 1,1,1-Trichloroethane	97	6.547	6.546	(0.894)	217403	21.1770	212
	36 Cyclohexane	56	6.548	6.547	(0.894)	293043	18.9169	189
	37 1,1-Dichloropropene	75	6.745	6.744	(0.921)	245636	19.9695	200
	38 Carbon tetrachloride	117	6.852	6.853	(0.935)	179889	21.5723	216
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.949	6.951	(0.948)	87032	48.1551	48.2
	40 1,2-Dichloroethane	62	7.059	7.061	(0.963)	242324	18.7150	187
	41 Benzene	78	7.059	7.061	(0.963)	752238	18.9434	189
*	42 FLUOROBENZENE (IS)	96	7.327	7.327	(1.000)	1544311	50.0000	
	43 Trichloroethylene	130	7.776	7.776	(1.061)	289992	33.9780	340(R)
	44 Methyl Cyclohexane	55	7.835	7.834	(1.069)	213492	19.3290	193
	45 1,2-Dichloropropane	63	7.979	7.980	(1.089)	195921	19.4277	194
	46 Methyl Methacrylate	69	8.081	8.079	(1.103)	105508	18.0471	180
	47 Bromodichloromethane	83	8.233	8.231	(1.124)	214344	18.1929	182
	48 1,4 Dioxane	88	8.283	8.293	(1.130)	22564	272.747	2730(qR)
	49 Dibromomethane	93	8.283	8.288	(1.130)	106789	17.9527	180
	50 4-Methyl-2-Pentanone	43	8.630	8.635	(0.661)	453412	49.3089	493
	51 2-Hexanone	43	9.540	9.546	(0.898)	319701	46.9960	470(R)
	52 cis 1,3-Dichloropropene	75	8.831	8.831	(1.205)	242359	16.7353	167(R)
$	53 TOLUENE d8 (surr)	98	9.075	9.076	(1.239)	1523415	49.6959	49.7
	54 Toluene	92	9.157	9.159	(1.250)	463454	19.4747	195
	55 trans 1,3-Dichloropropene	75	9.361	9.362	(1.277)	207055	17.4183	174
	56 Ethyl Methacrylate	69	9.366	9.367	(1.278)	195459	18.7355	187
	57 1,1,2-Trichloroethane	97	9.517	9.516	(1.299)	154527	18.9584	190
	58 1,3-Dichloropropane	76	9.778	9.779	(0.920)	278723	19.4990	195
	59 Tetrachloroethylene	164	9.829	9.829	(0.925)	127626	20.8128	208
	60 Dibromochloromethane	129	10.037	10.036	(0.944)	146976	18.5986	186
	61 1,2-Dibromoethane	107	10.241	10.241	(0.963)	144745	18.5194	185
	62 1-Chlorohexane	91	10.419	10.421	(0.980)	234845	21.2535	212
*	63 CHLOROBENZENE d5 (IS)	117	10.629	10.630	(1.000)	1092397	50.0000	
	64 Chlorobenzene	112	10.668	10.668	(1.004)	501432	20.1513	202
	65 1,1,1,2-Tetrachloroethane	131	10.715	10.715	(1.008)	144633	20.5697	206(q)
	66 Ethylbenzene	106	10.725	10.723	(1.009)	266115	19.6995	197
	67 p,m-Xylene	106	10.802	10.802	(1.016)	683028	39.5944	396
	68 o-Xylene	91	11.243	11.242	(1.058)	721610	19.0290	190
	69 Styrene	104	11.277	11.280	(1.061)	521638	19.1144	191
	70 Bromoform	173	11.616	11.616	(1.093)	76240	17.5042	175
	71 1-Methylethylbenzene	105	11.605	11.606	(0.889)	838341	20.6391	206
	72 1,4-Dichloro-2-Butene	53	11.243	11.258	(0.862)	16704	88.1248	881(QR)
	73 1,1,2,2-Tetrachloroethane	83	11.781	11.781	(0.903)	200832	17.7074	177
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.857	11.857	(0.909)	590701	48.0116	48.0
	75 1,2,3- trichloropropane	110	11.929	11.930	(0.914)	56965	18.0507	180

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
76 n-Propylbenzene	91	12.008	12.009	(0.920)	1089642	19.7574	198
77 Bromobenzene	77	12.048	12.049	(0.923)	373922	18.6443	186
78 1,3,5-Trimethylbenzene	105	12.167	12.167	(0.933)	712518	19.3228	193
79 2-Chlorotoluene	91	12.185	12.185	(0.934)	716916	19.5081	195
80 4-Chlorotoluene	91	12.233	12.232	(0.938)	694474	19.7721	198
81 tert-Butylbenzene	119	12.527	12.527	(0.960)	649585	19.6296	196
82 1,2,4-trimethylbenzene	105	12.562	12.562	(0.963)	743262	20.0601	201
83 sec-Butylbenzene	105	12.739	12.740	(0.976)	876420	19.3852	194
84 p-Isopropyltoluene	119	12.877	12.878	(0.987)	709527	19.2443	192
85 1,3-Dichlorobenzene	146	12.971	12.975	(0.994)	393303	20.0353	200
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.047	13.048	(1.000)	594525	50.0000	
87 1,4-Dichlorobenzene	146	13.079	13.079	(1.002)	392565	20.0683	201
88 Benzyl Chloride	91	13.197	13.195	(1.011)	230798	19.7365	197
89 n-Butylbenzene	91	13.289	13.289	(1.019)	687820	19.1198	191
90 1,2-Dichlorobenzene	146	13.450	13.450	(1.031)	364439	19.4131	194
91 1,2-dibromo-3-chloropropane	75	14.215	14.217	(1.089)	29002	15.7458	157
92 1,2,4-Trichlorobenzene	180	14.901	14.904	(1.142)	202924	17.2125	172
93 Hexachlorobutadiene	223	15.000	15.002	(1.150)	43724	16.8312	168
94 Naphthalene	128	15.084	15.087	(1.156)	480220	16.4383	164
95 1,2,3-trichlorobenzene	180	15.251	15.254	(1.169)	178921	17.4239	174
103 Isopropyl Ether	45	4.843	4.846	(0.661)	594371	18.7230	187
104 Ethyl acetate	43	5.879	5.883	(0.802)	290358	32.4406	324(q)
105 Cyclohexanone	55	11.667	11.672	(1.098)	45154	52.8958	529(R)
106 Ethyl ether	59	2.773	2.770	(0.378)	129444	19.2216	192
107 2-Nitropropane	43	8.331	8.332	(1.137)	63679	33.3718	334
108 Tetrahydrofuran	42	6.314	6.324	(0.862)	87797	27.2346	272(R)
112 2-Cleve	63	8.642	8.630	(1.179)	437	32.0512	320(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 37202DMS.D
Lab Smp Id: 250737202
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3082107.b\8260A.m
Misc Info:

Calibration Date: 08-AUG-2007
Calibration Time: 06:09
Client Smp ID: TO05MW40AMS
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1538145	769073	3076290	1544311	0.40
63 CHLOROBENZENE d5	1065619	532810	2131238	1092397	2.51
86 1,4-DICHLOROBENZE	594676	297338	1189352	594525	-0.03

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.33	6.83	7.83	7.33	0.00
63 CHLOROBENZENE d5	10.63	10.13	11.13	10.63	-0.01
86 1,4-DICHLOROBENZE	13.05	12.55	13.55	13.05	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

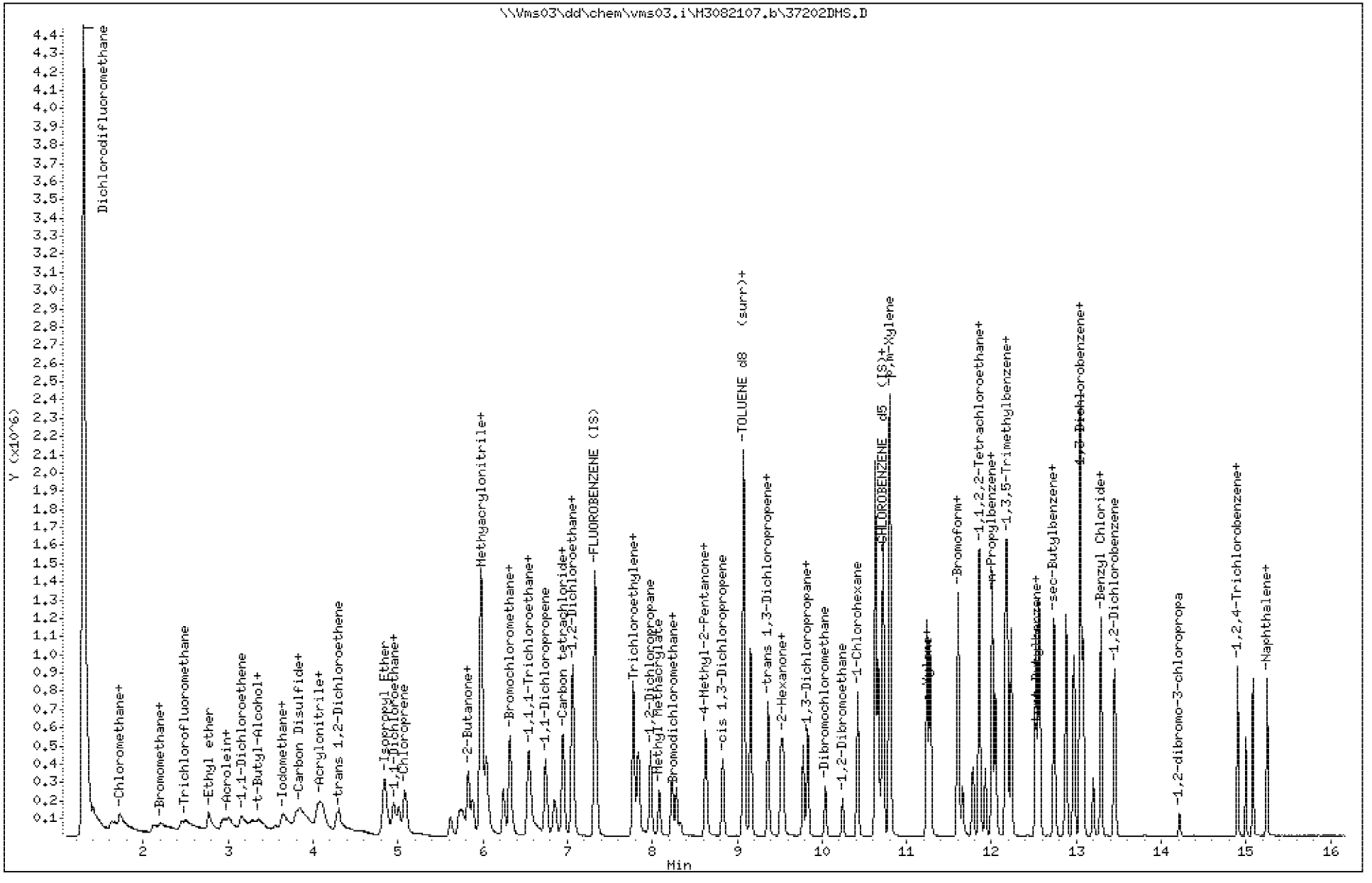
Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

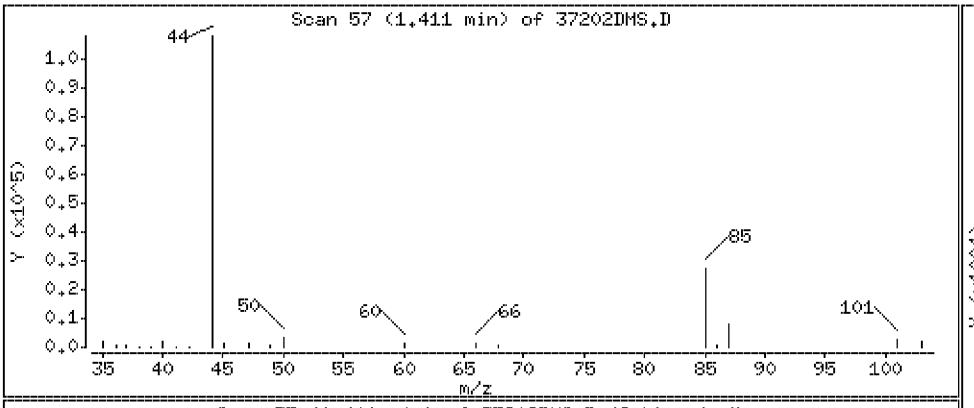
Operator:

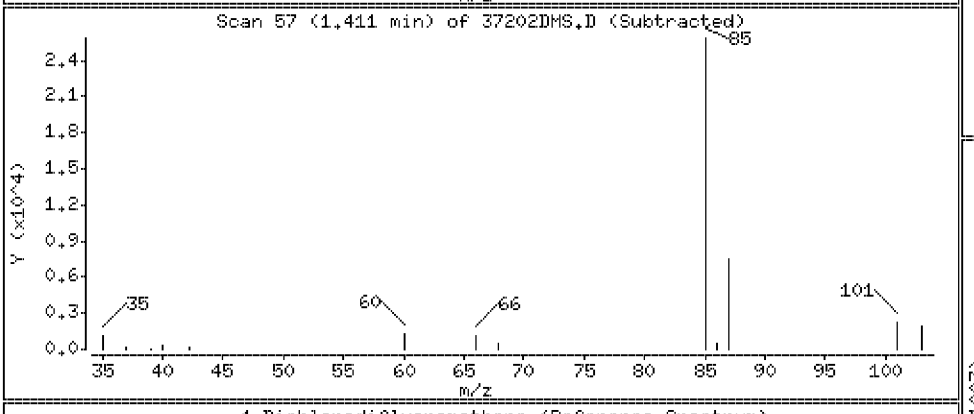
Column phase: DB-624

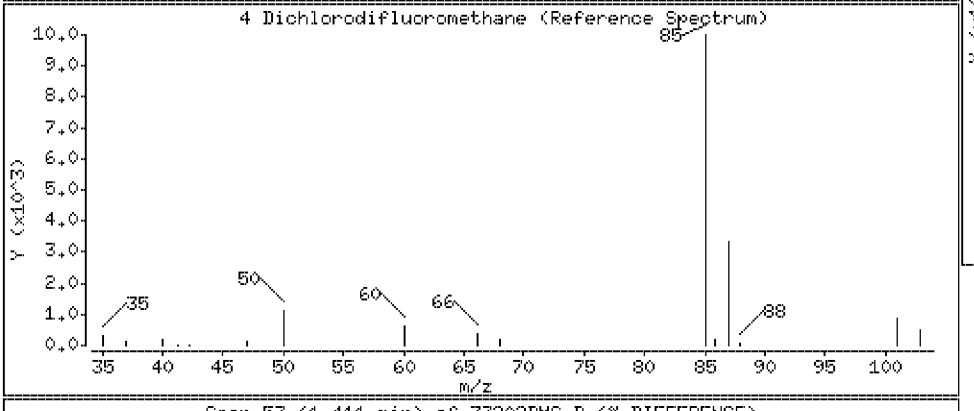
Column diameter: 0.18

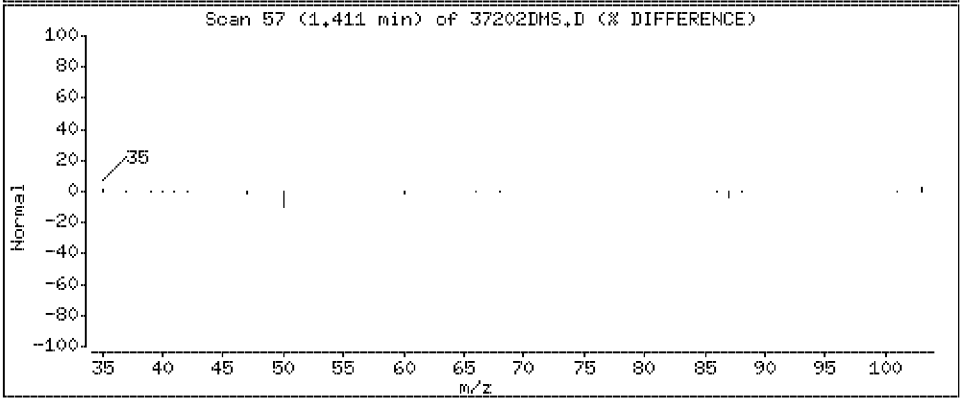
4 Dichlorodifluoromethane

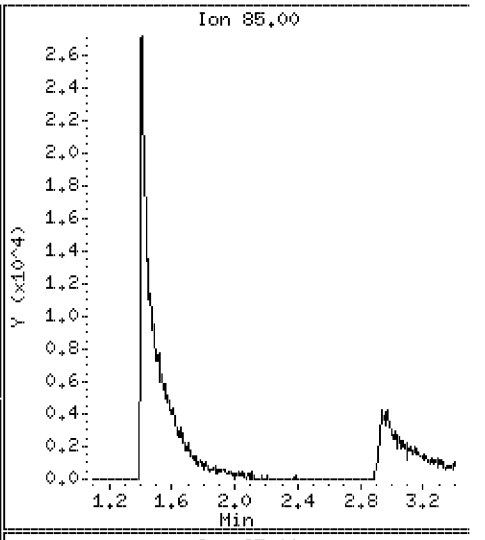
Concentration: 246 ug/l

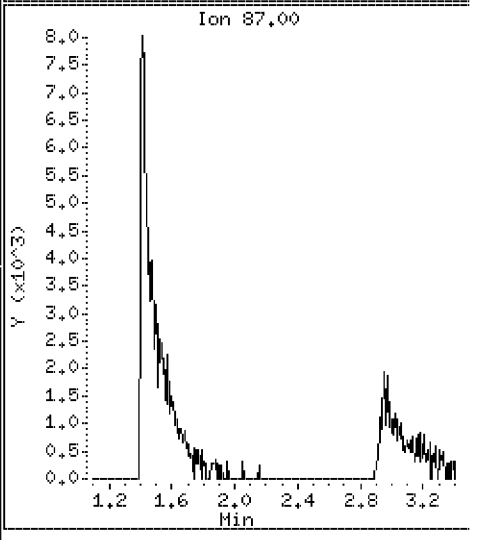












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

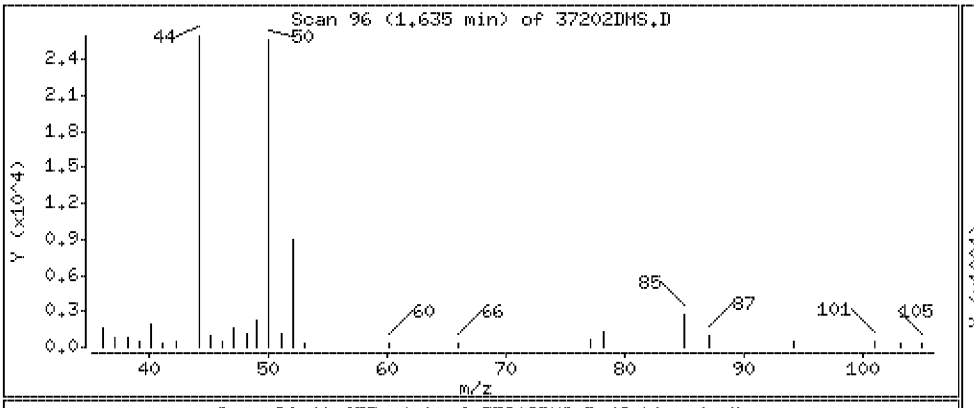
Operator:

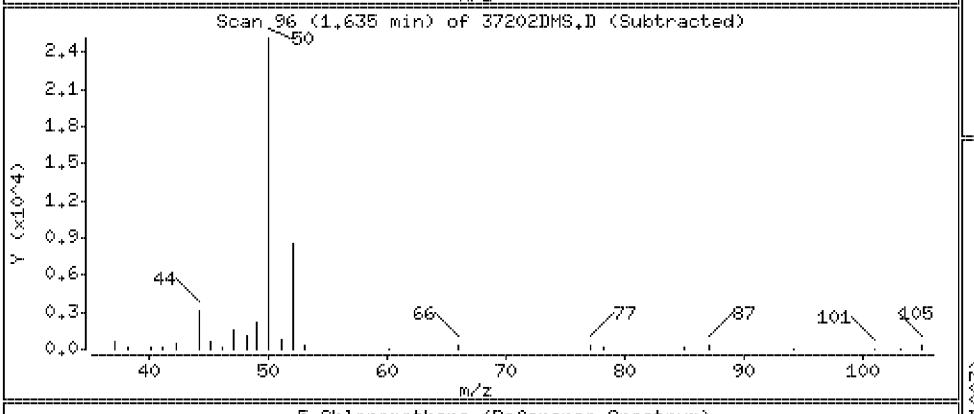
Column phase: DB-624

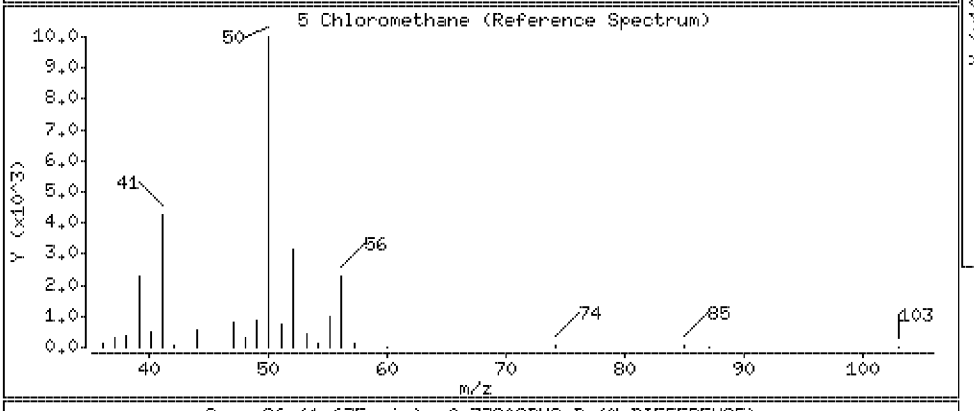
Column diameter: 0.18

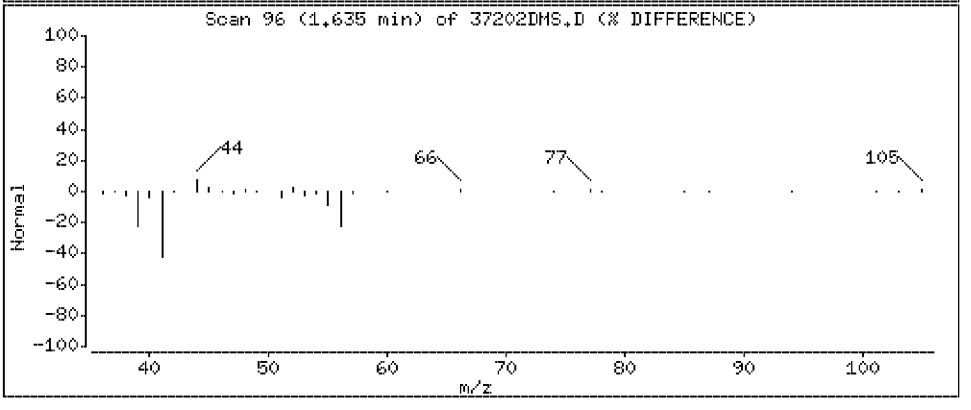
5 Chloromethane

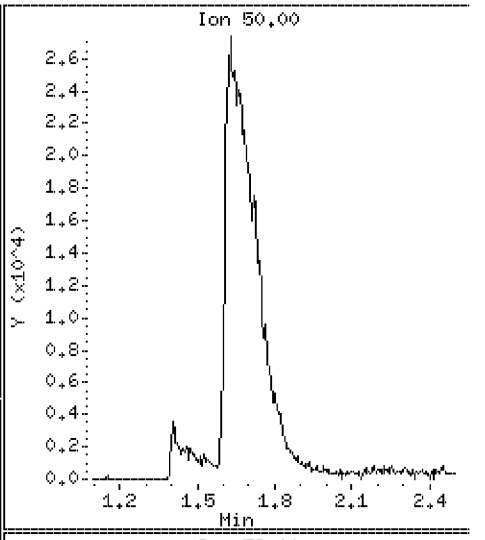
Concentration: 244 ug/l

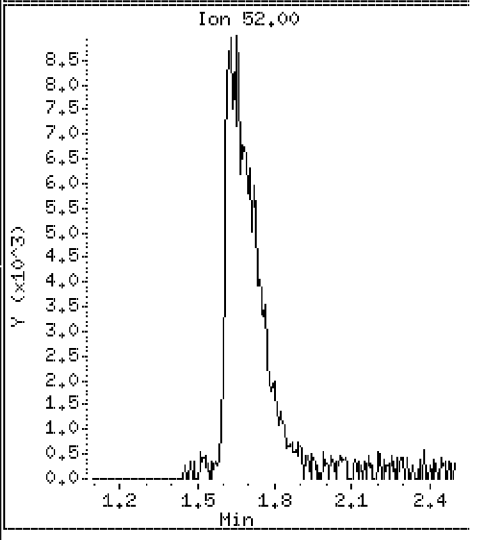












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

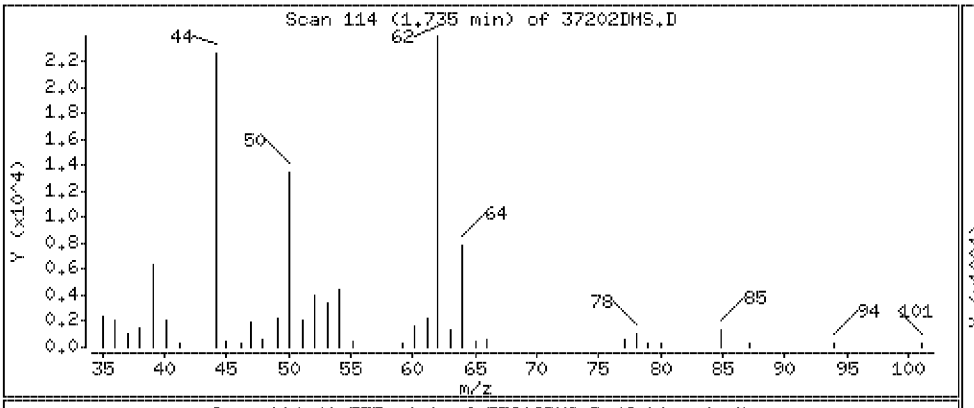
Operator:

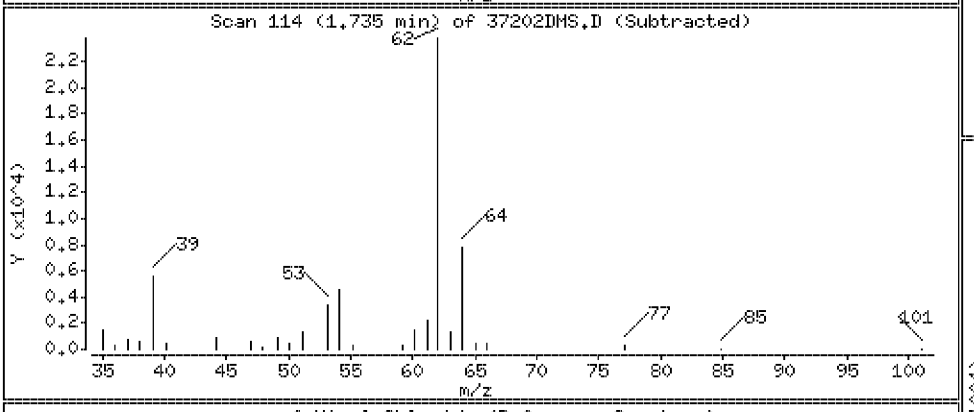
Column phase: DB-624

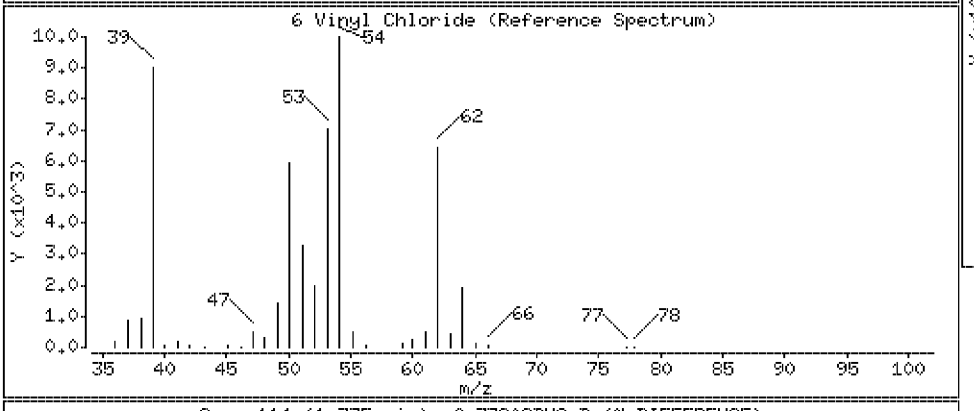
Column diameter: 0.18

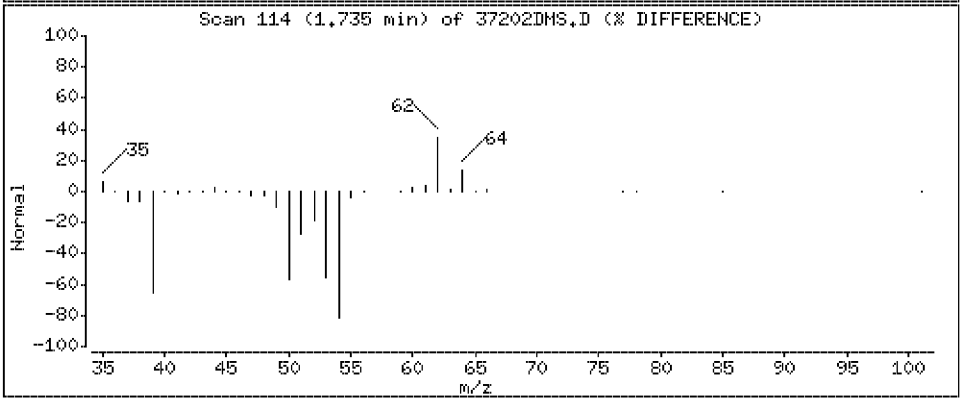
6 Vinyl Chloride

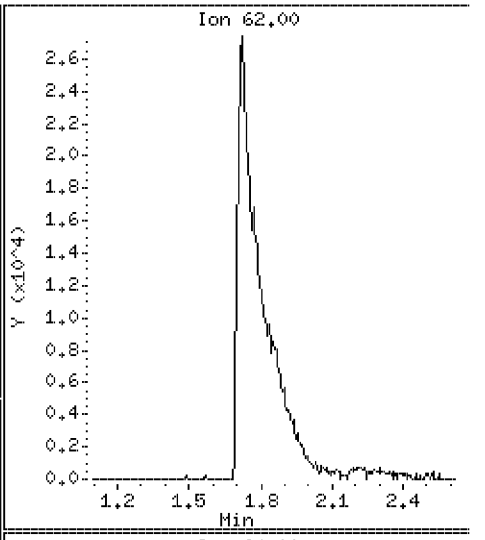
Concentration: 252 ug/l

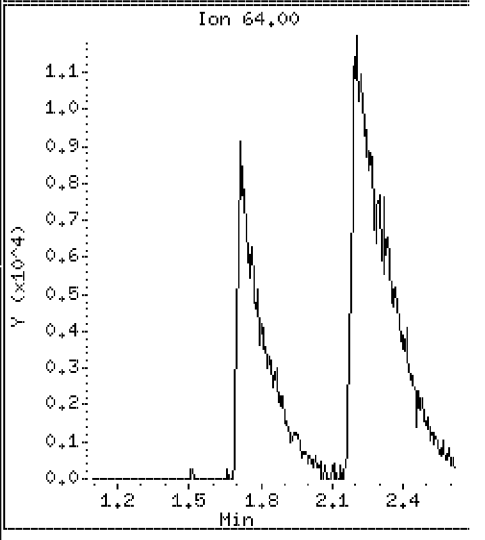












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

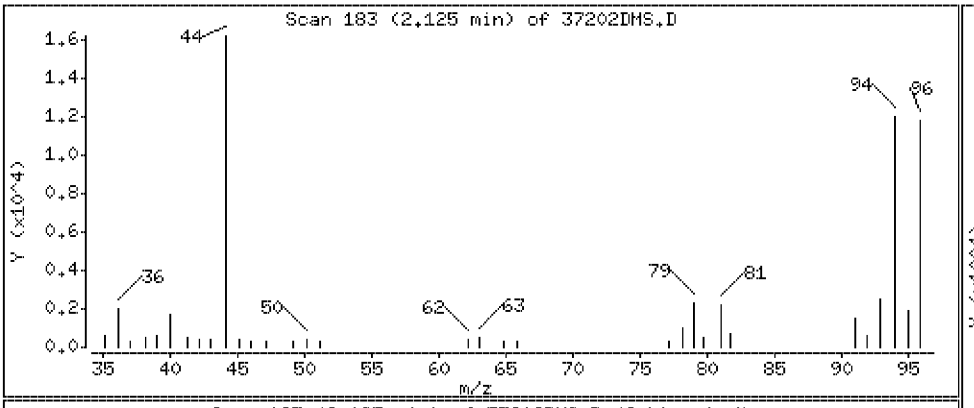
Operator:

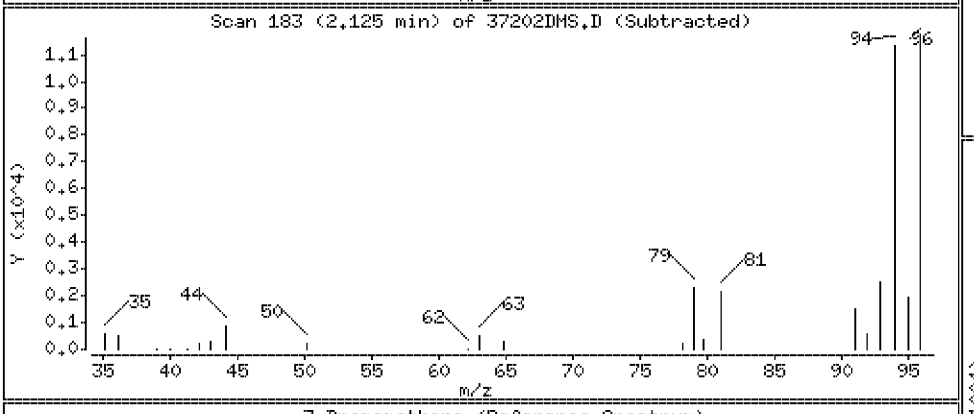
Column phase: DB-624

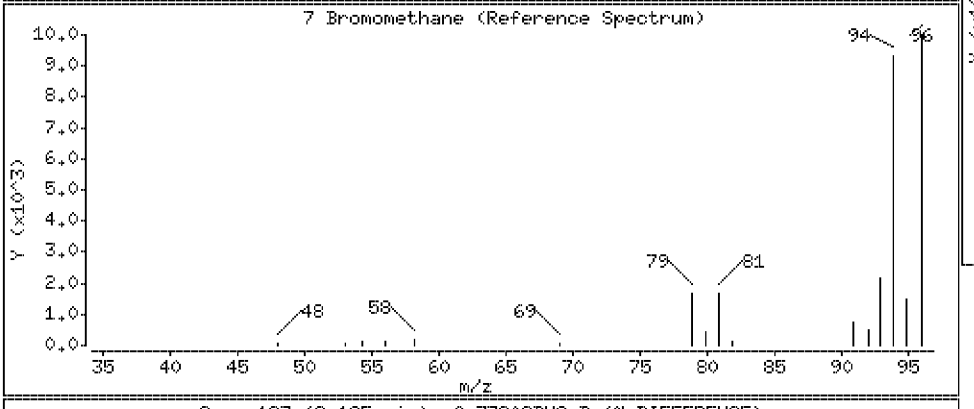
Column diameter: 0.18

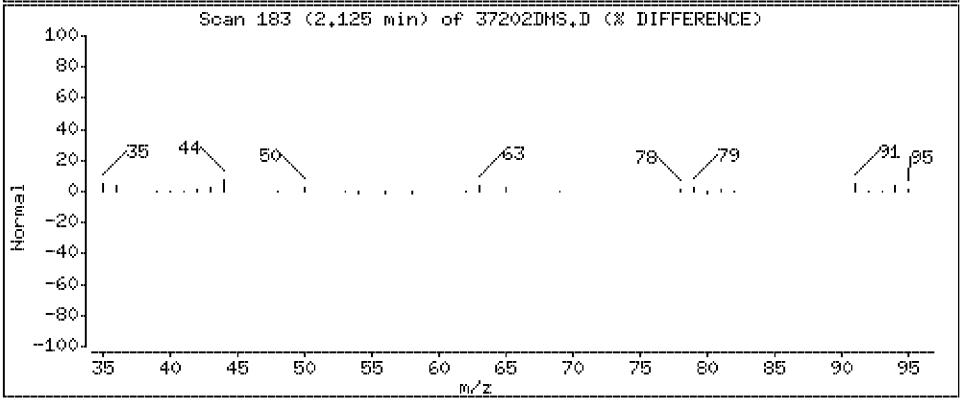
7 Bromomethane

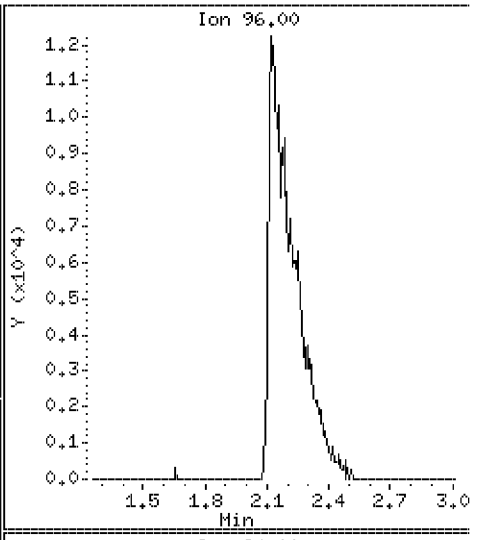
Concentration: 224 ug/l

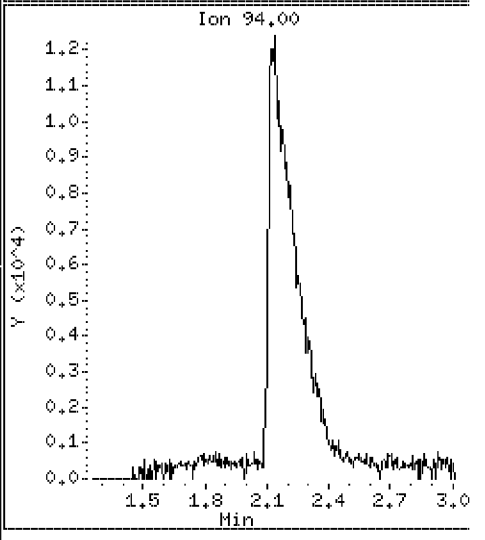












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

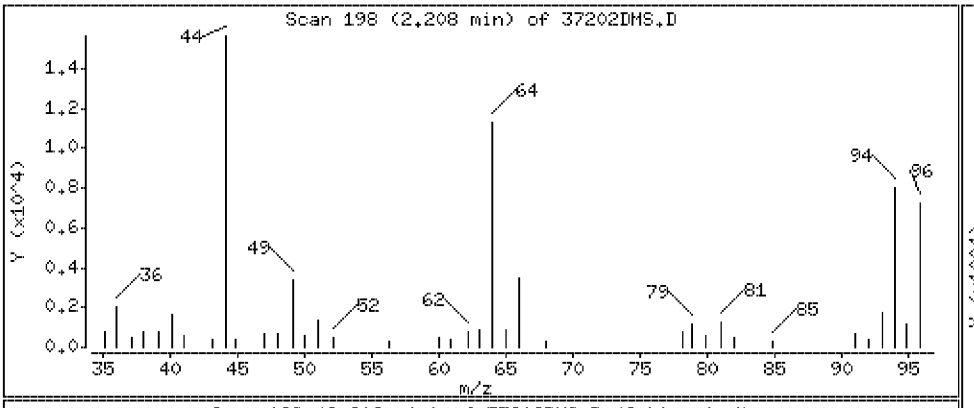
Operator:

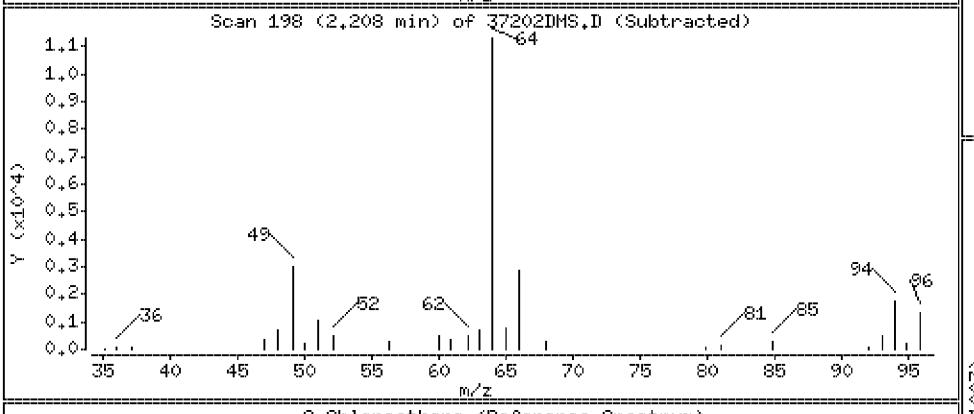
Column phase: DB-624

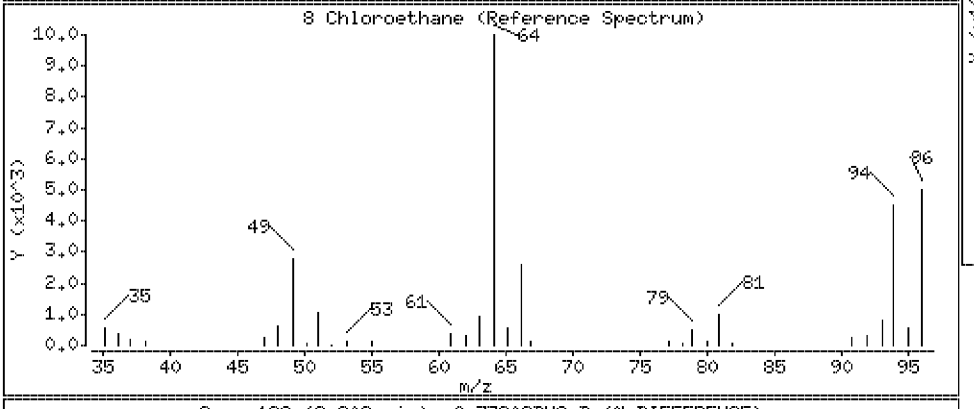
Column diameter: 0.18

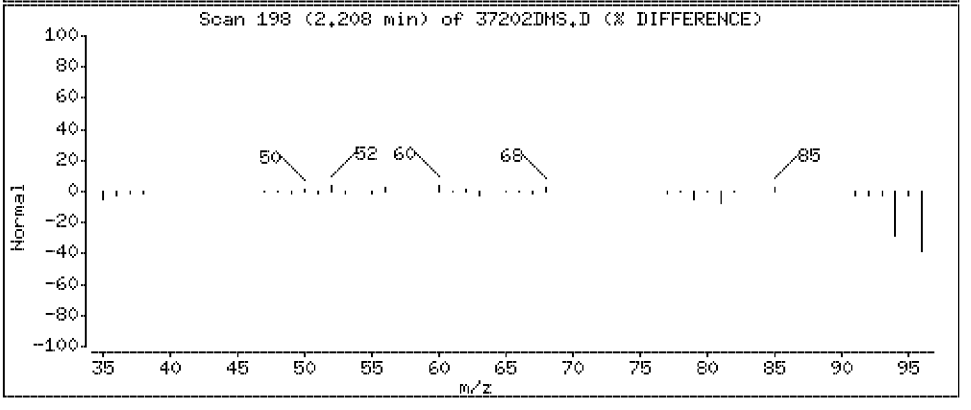
8 Chloroethane

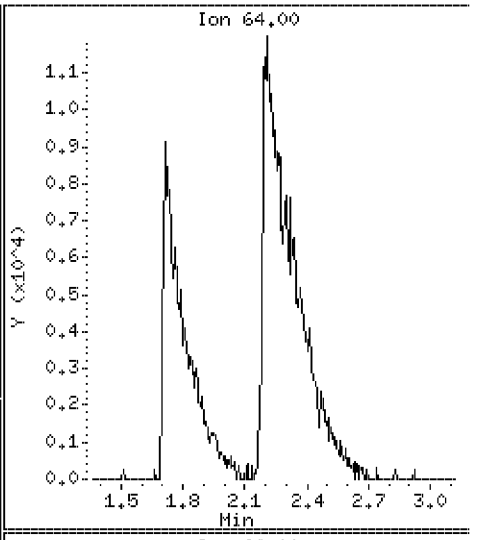
Concentration: 223 ug/l

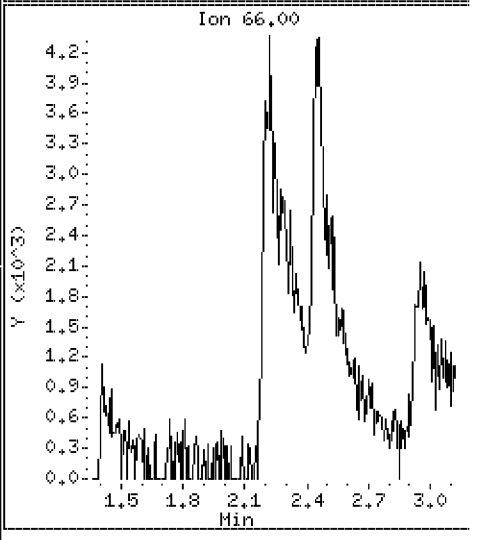












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

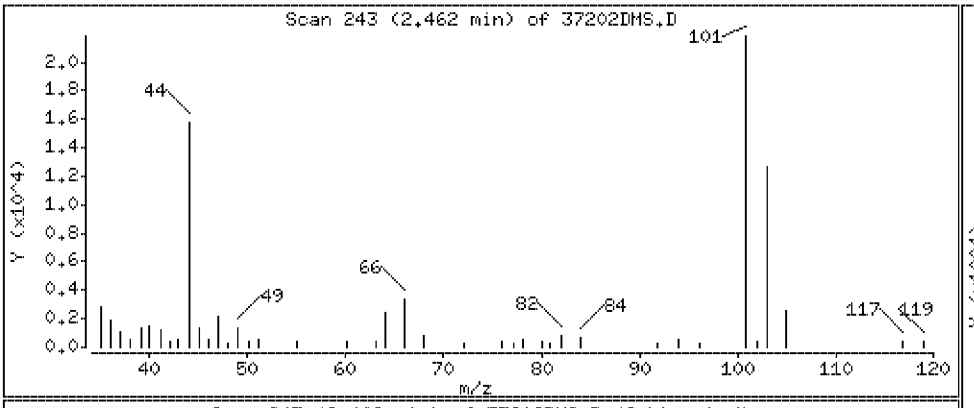
Operator:

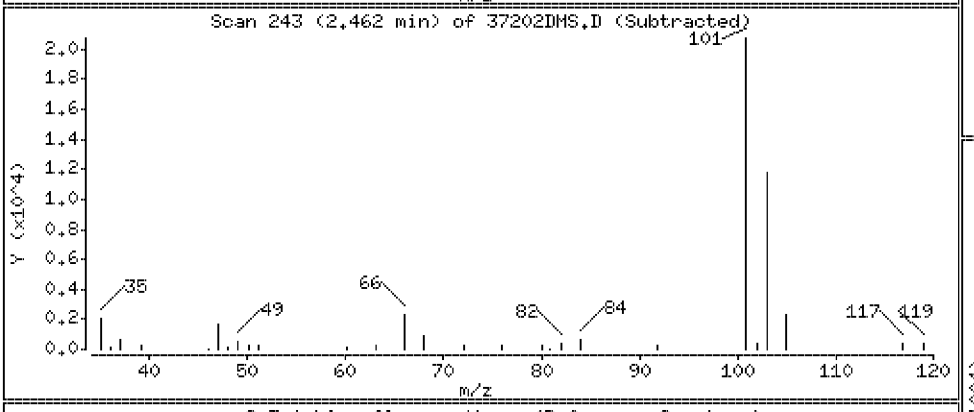
Column phase: DB-624

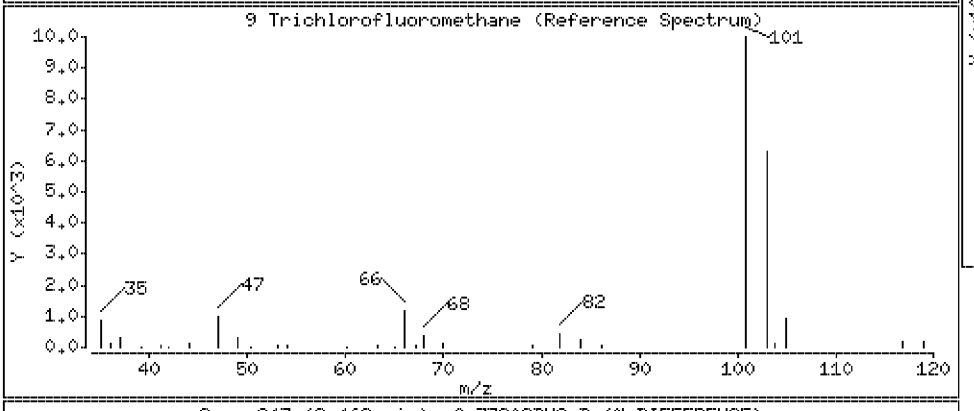
Column diameter: 0.18

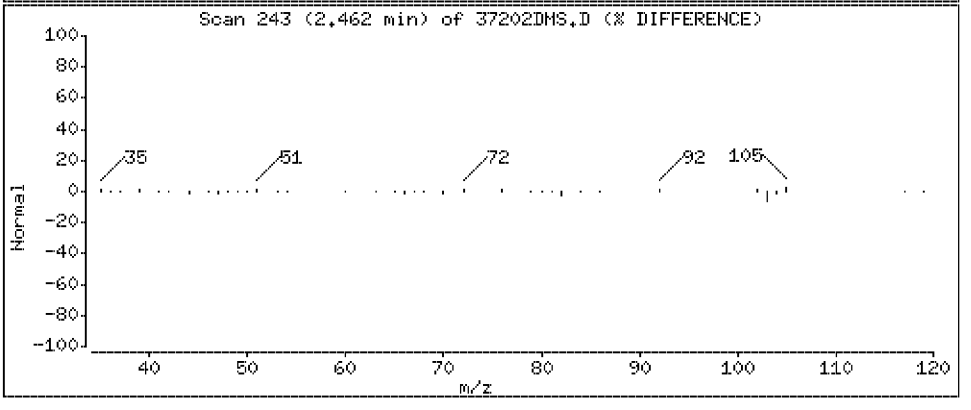
9 Trichlorofluoromethane

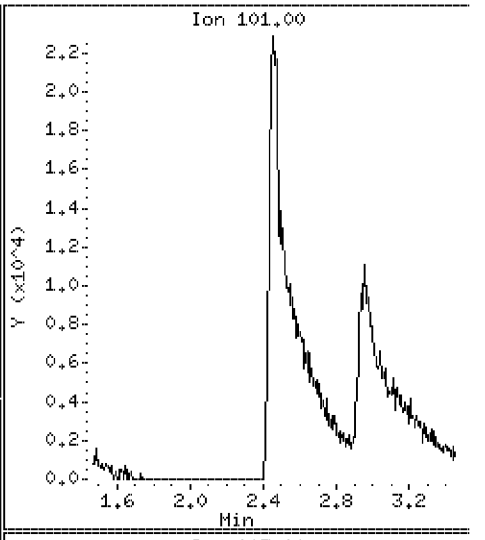
Concentration: 221 ug/l

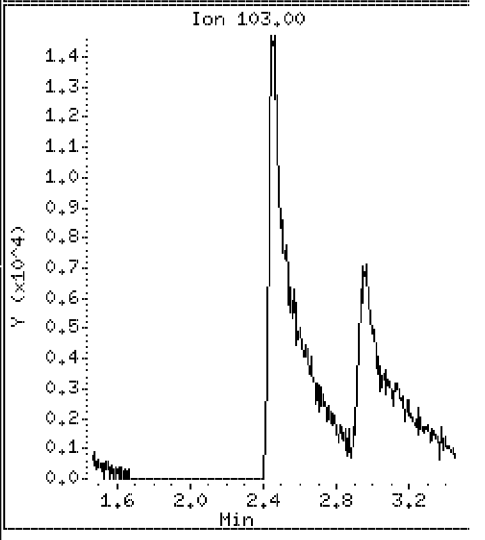












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

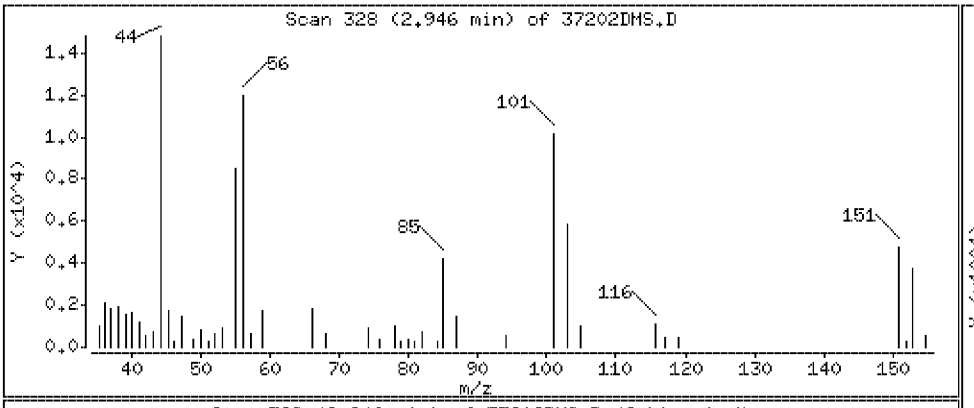
Operator:

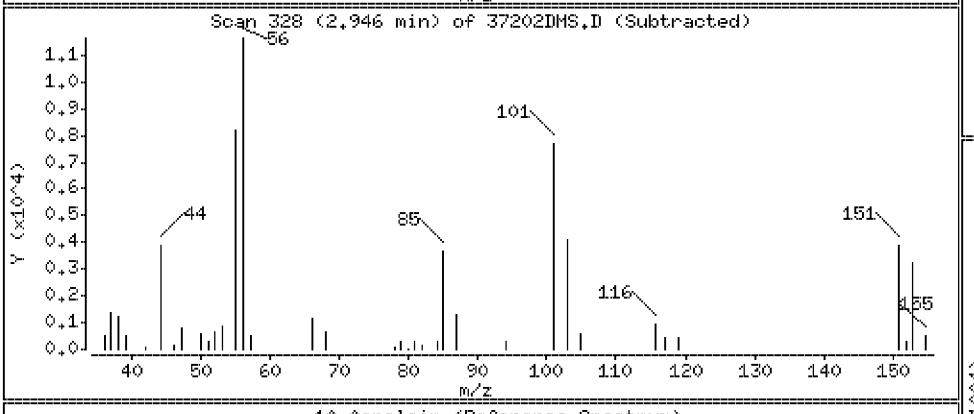
Column phase: DB-624

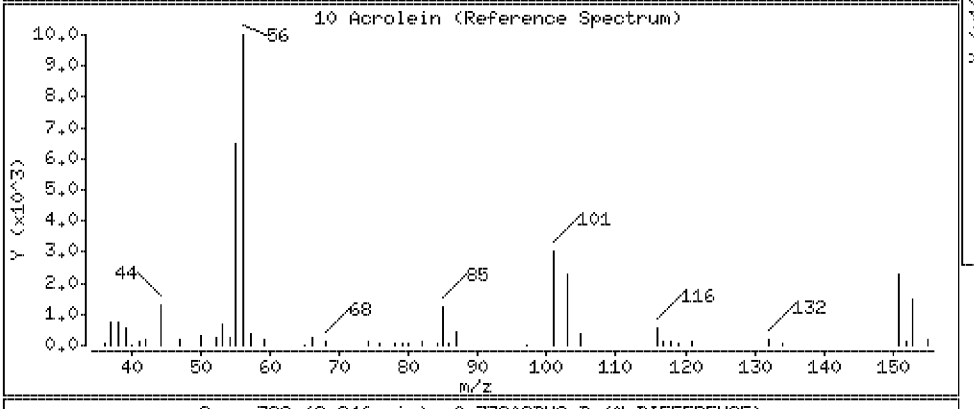
Column diameter: 0.18

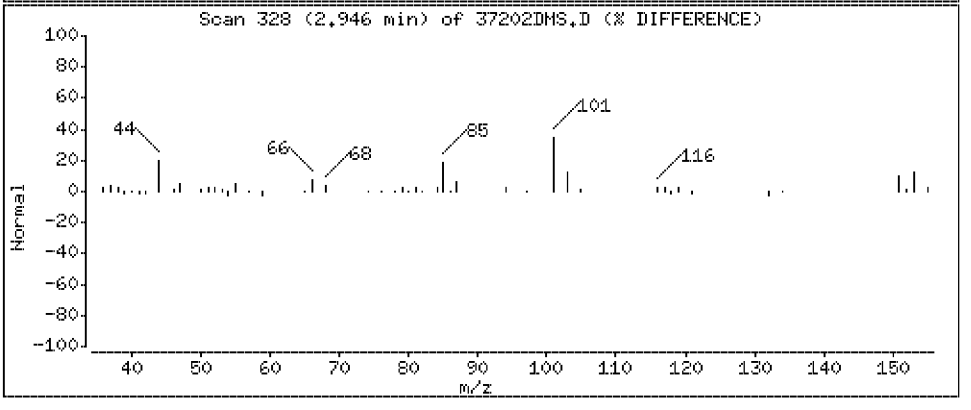
10 Acrolein

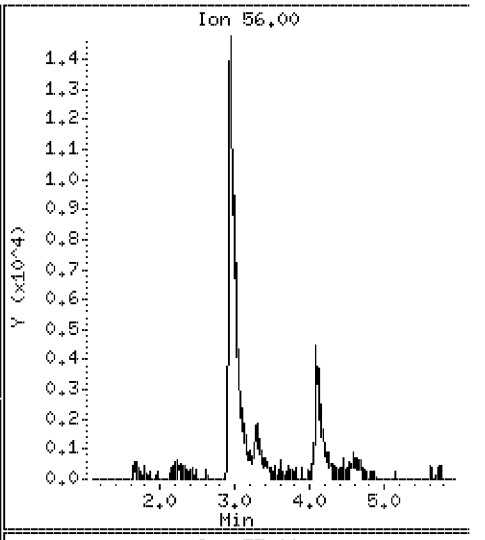
Concentration: 651 ug/l

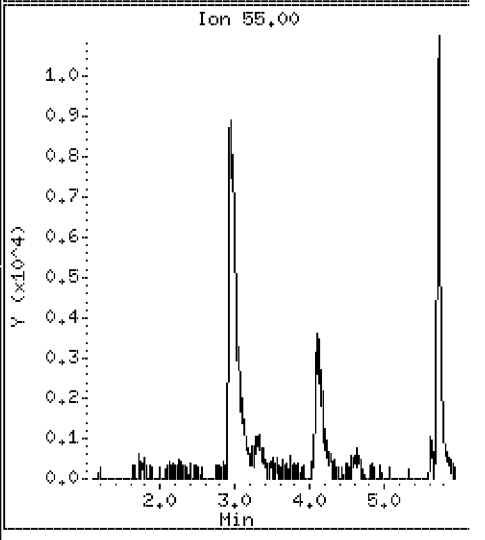












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

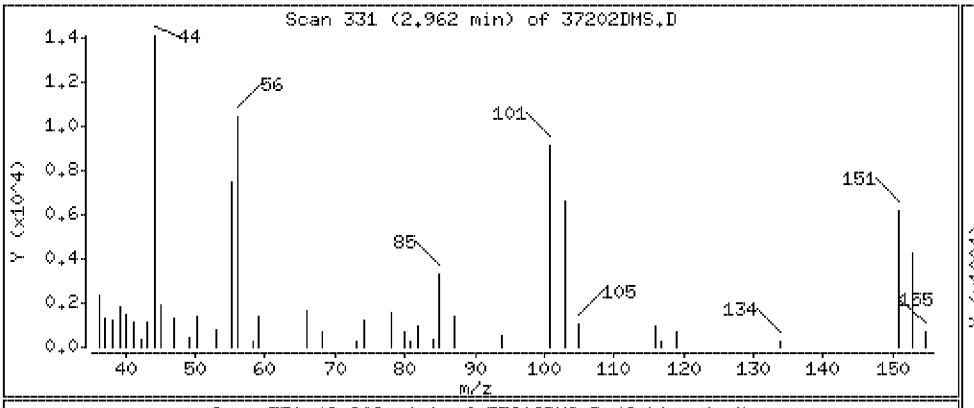
Operator:

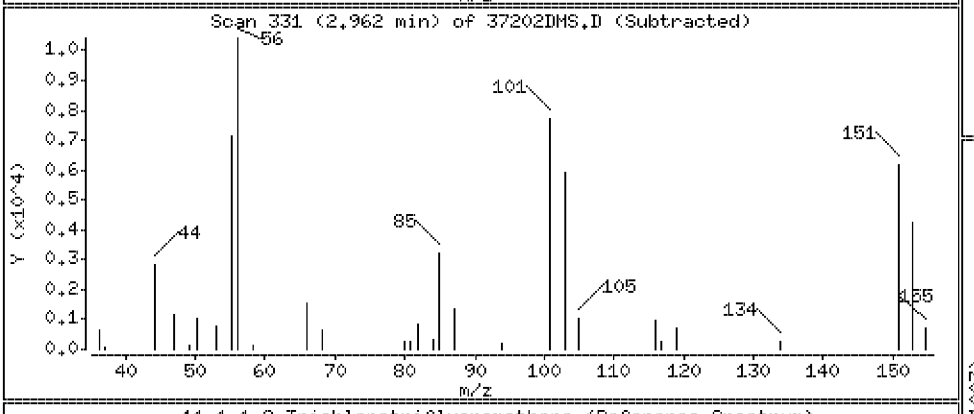
Column phase: DB-624

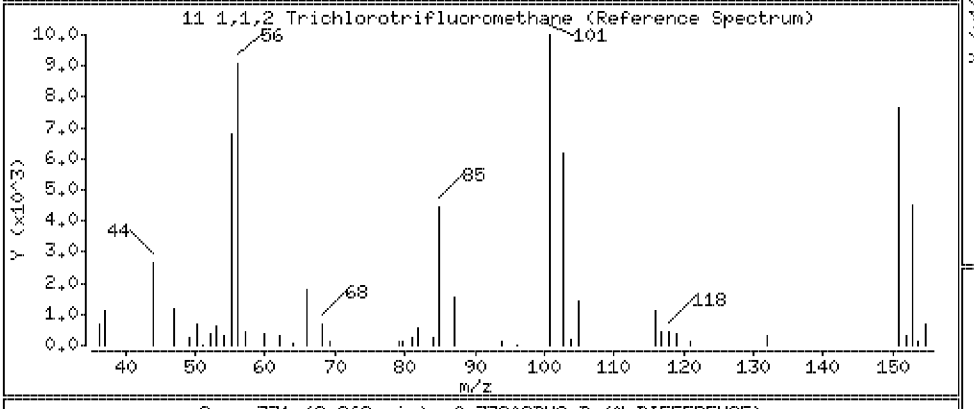
Column diameter: 0.18

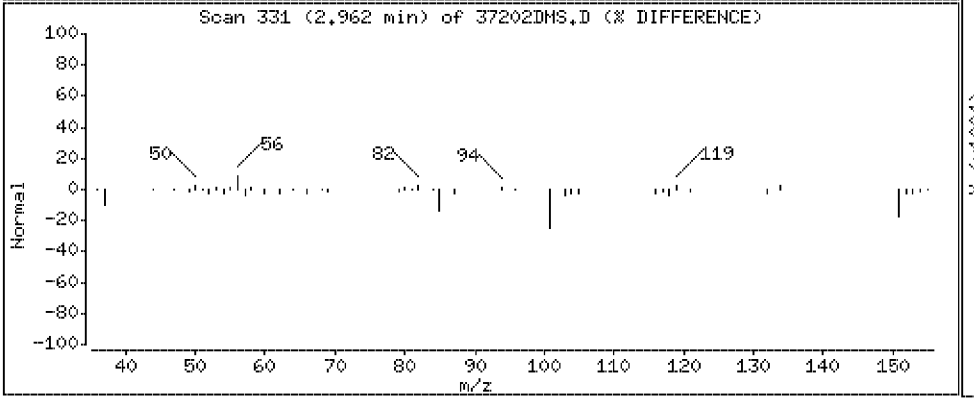
11 1,1,2 Trichlorotrifluoromethane

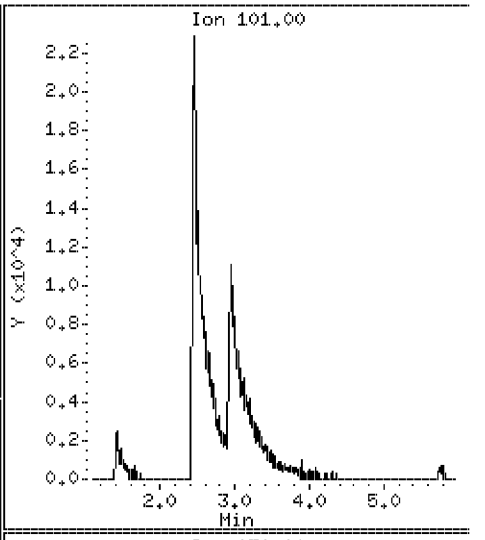
Concentration: 189 ug/l

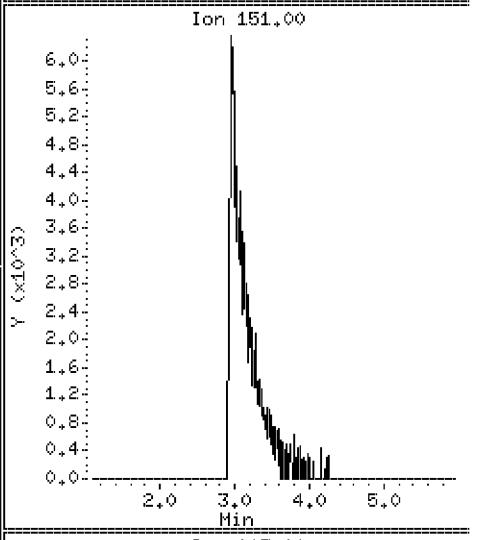


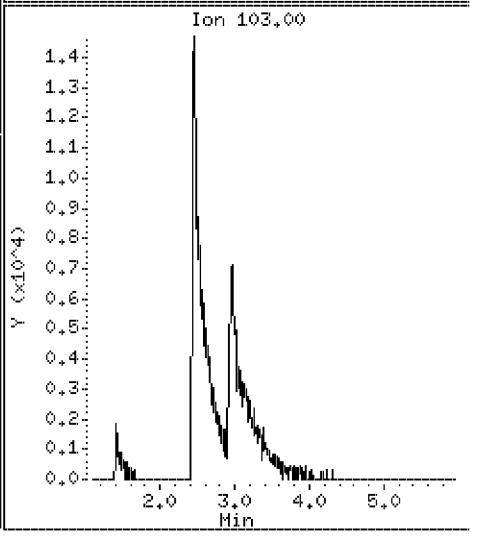












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

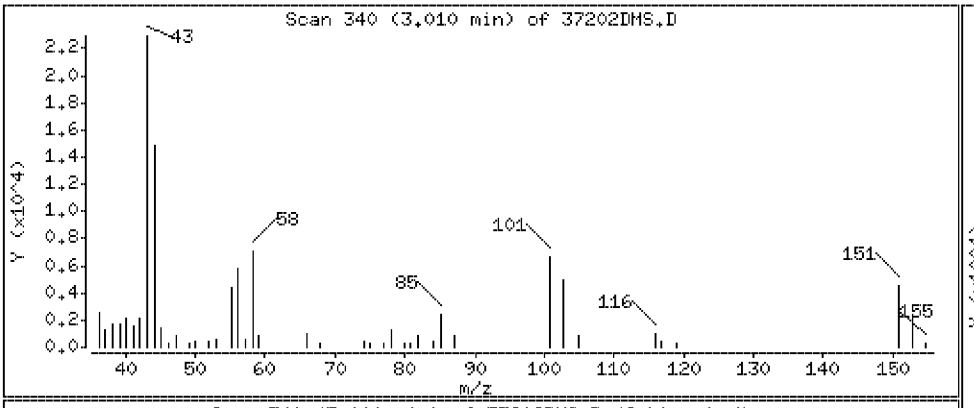
Operator:

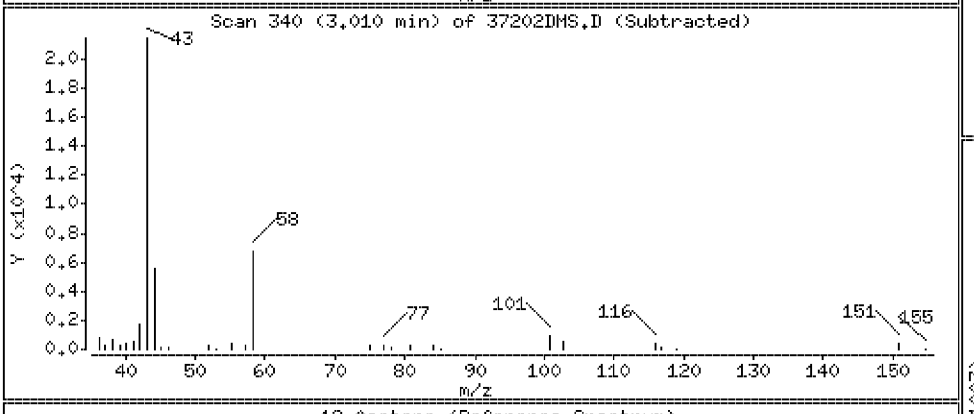
Column phase: DB-624

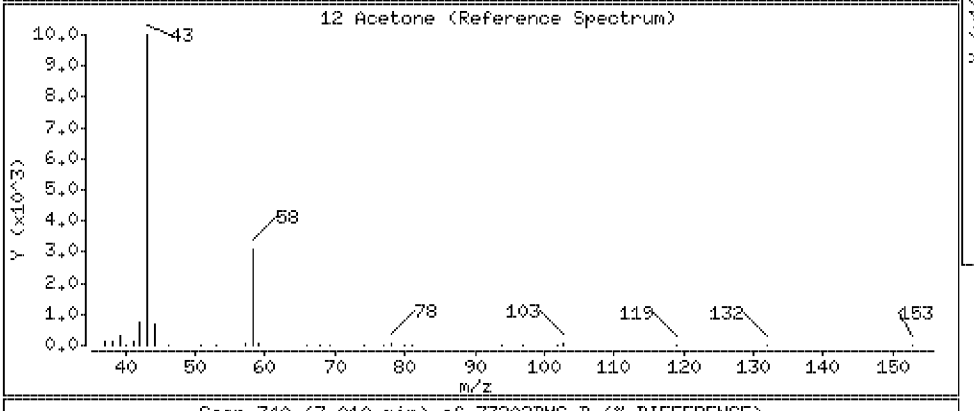
Column diameter: 0.18

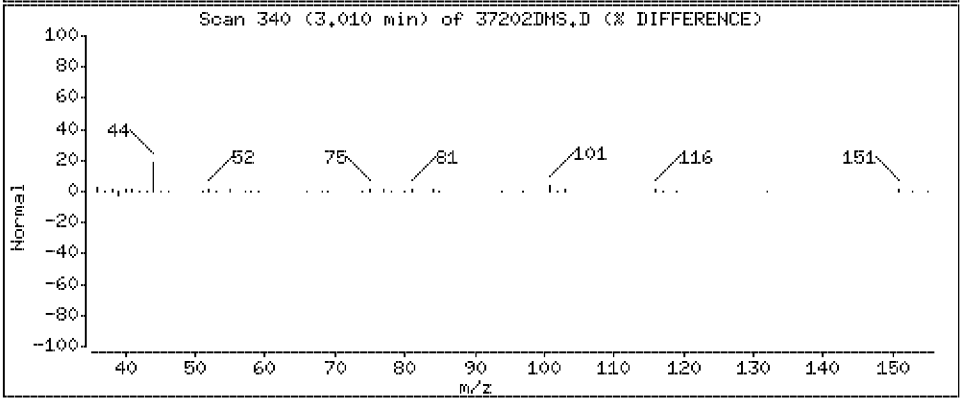
12 Acetone

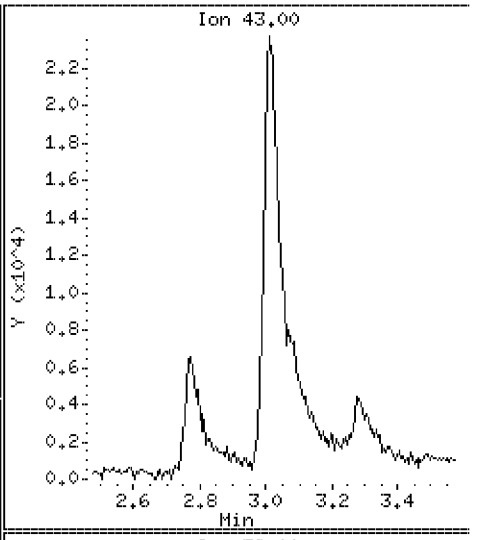
Concentration: 495 ug/l

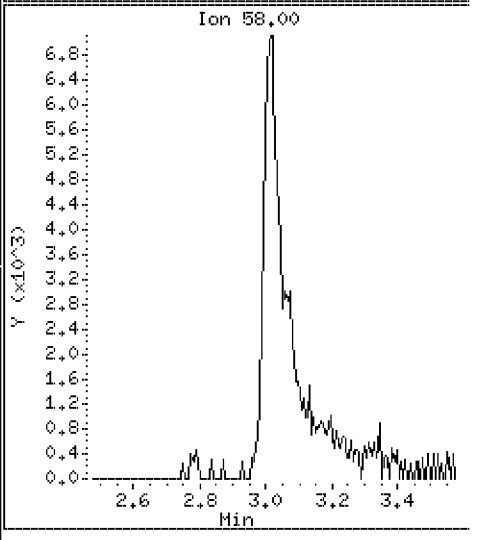












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

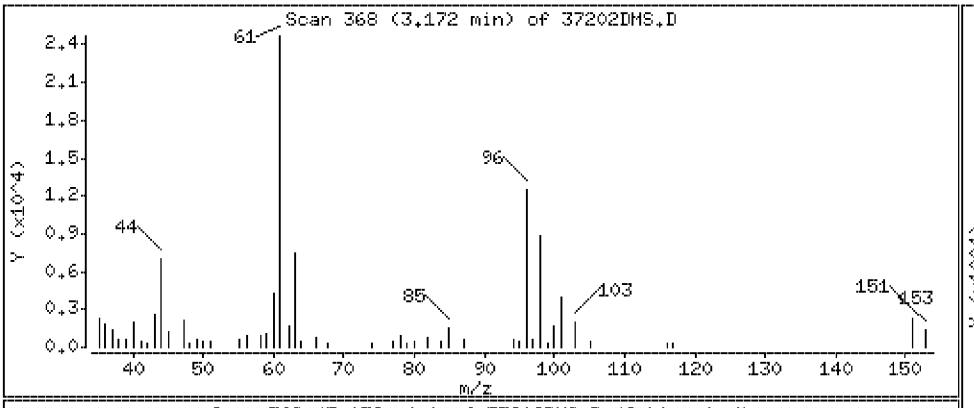
Operator:

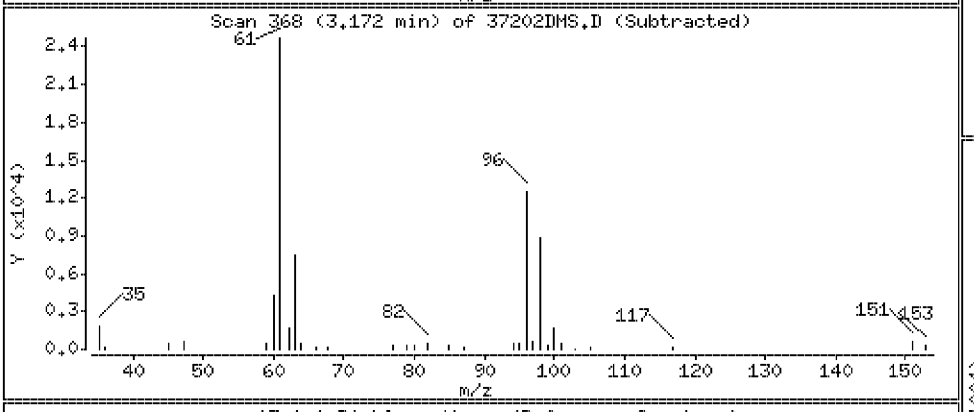
Column phase: DB-624

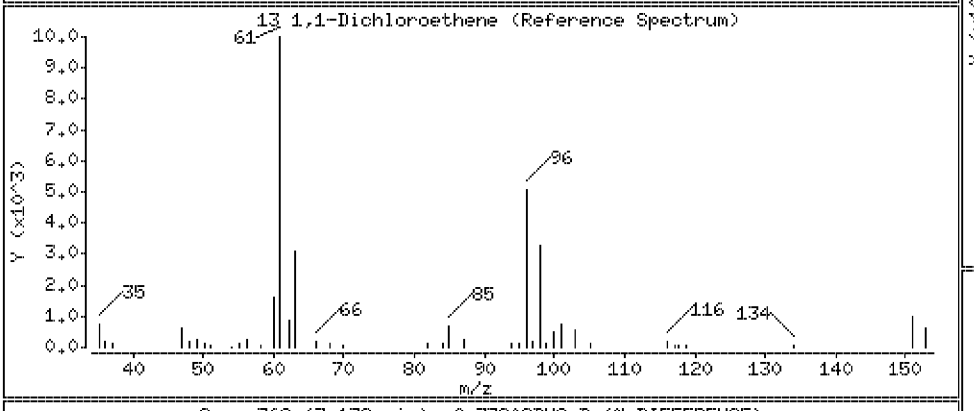
Column diameter: 0.18

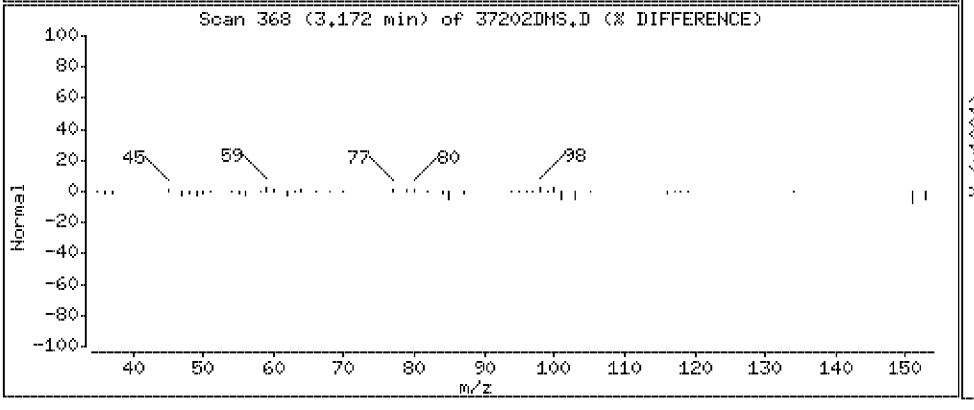
13 1,1-Dichloroethene

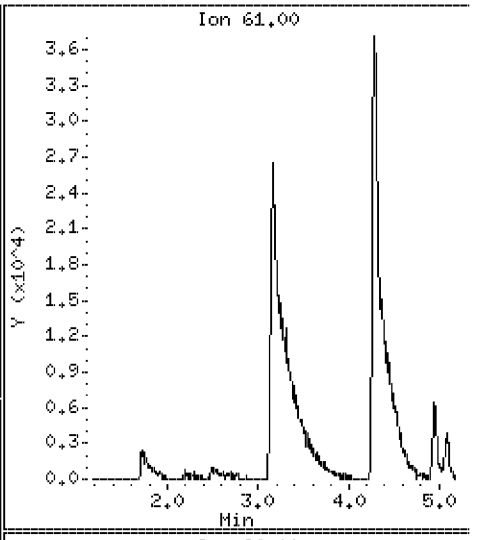
Concentration: 202 ug/l

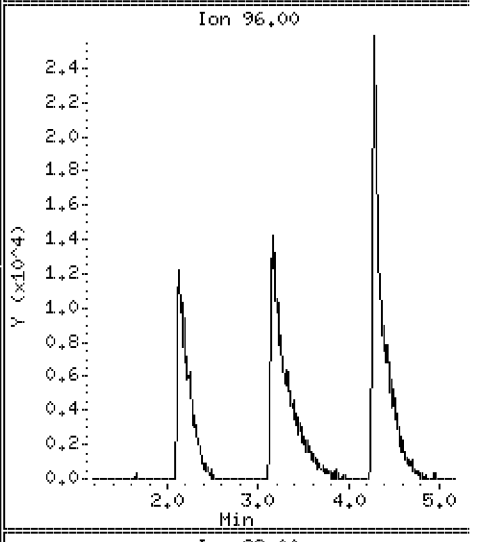


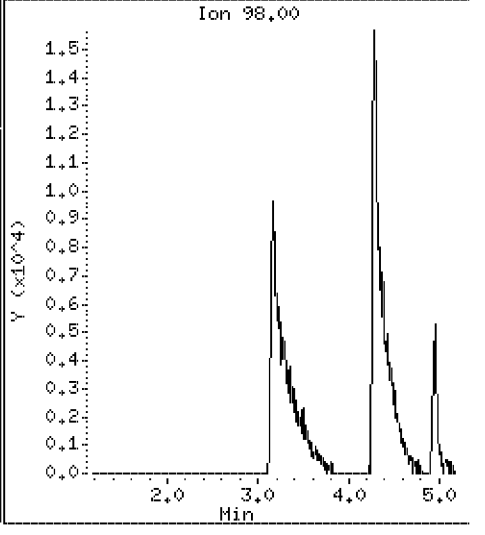












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

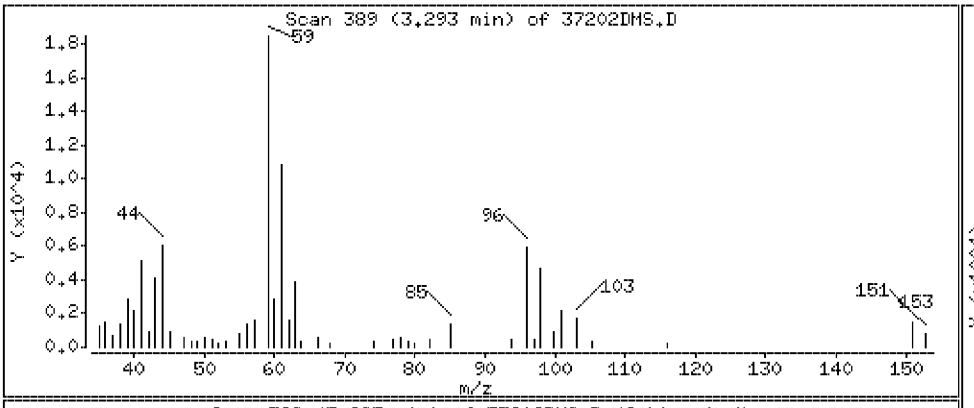
Operator:

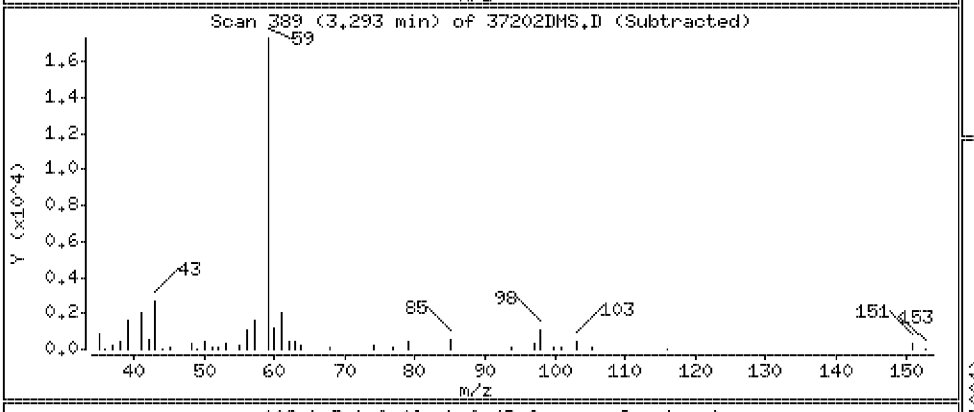
Column phase: DB-624

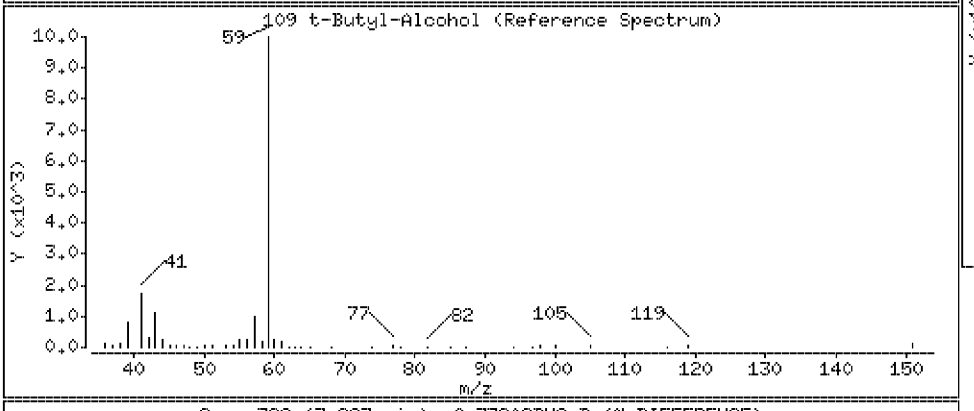
Column diameter: 0.18

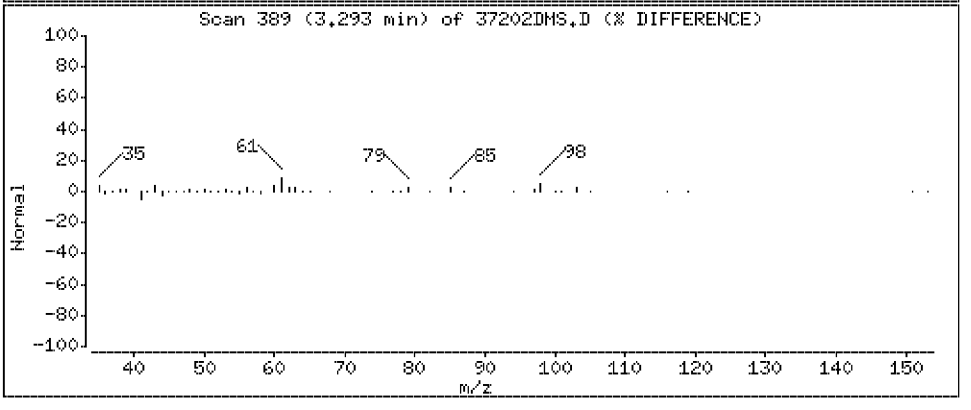
109 t-Butyl-Alcohol

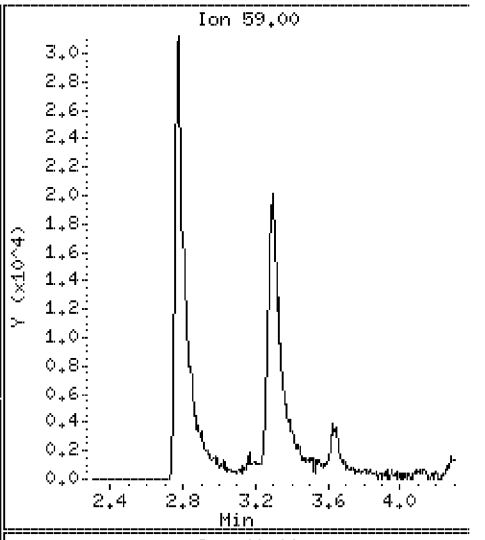
Concentration: 1390 ug/l

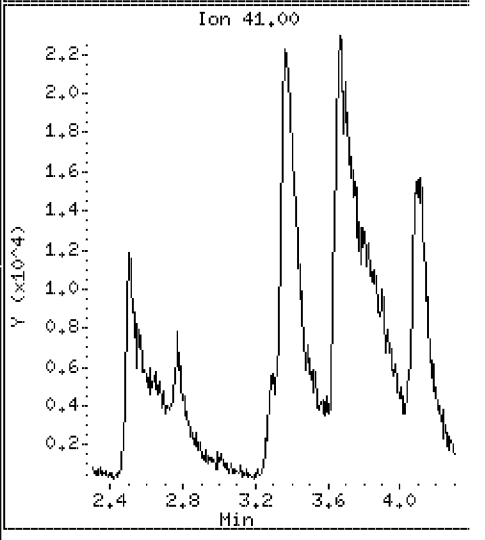












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

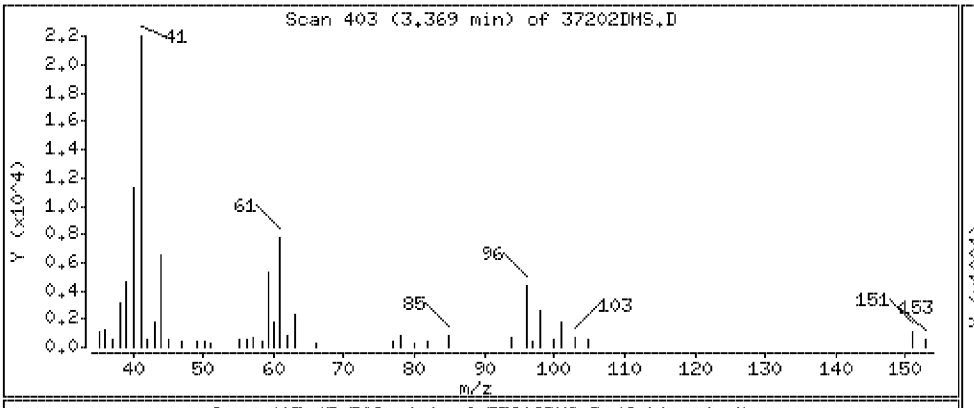
Operator:

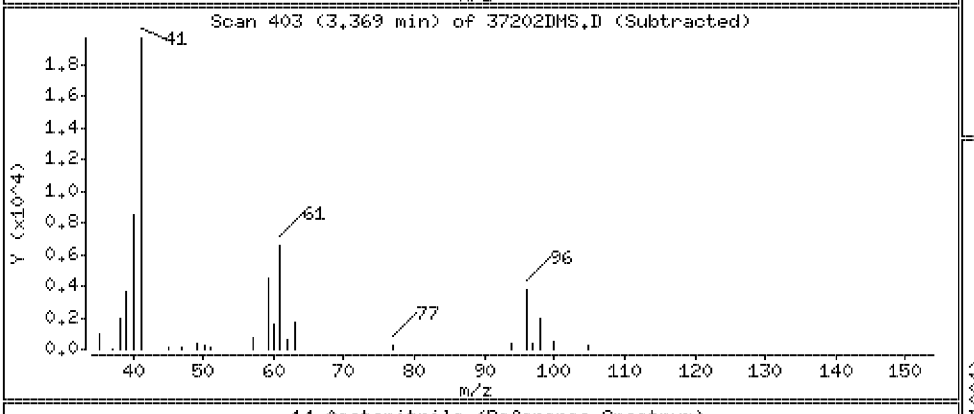
Column phase: DB-624

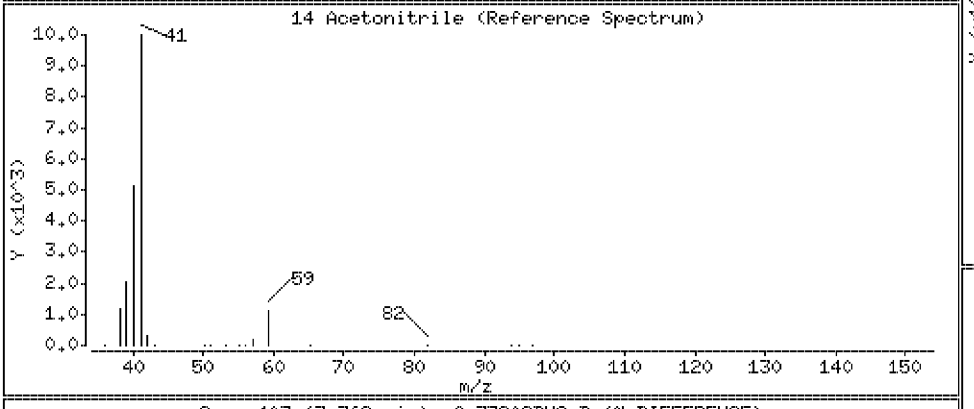
Column diameter: 0.18

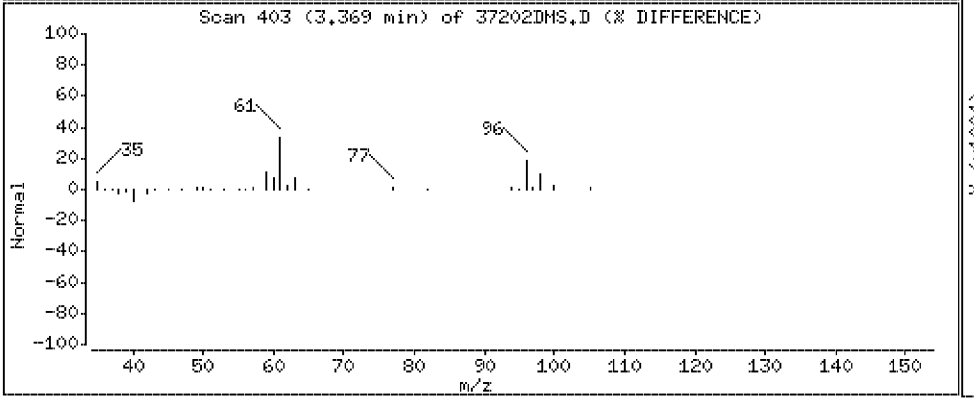
14 Acetonitrile

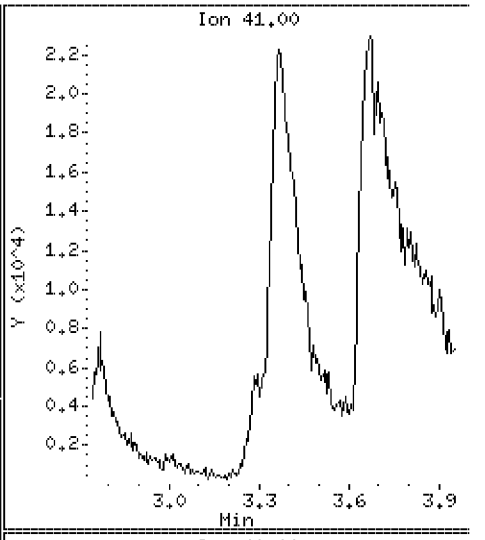
Concentration: 1110 ug/l

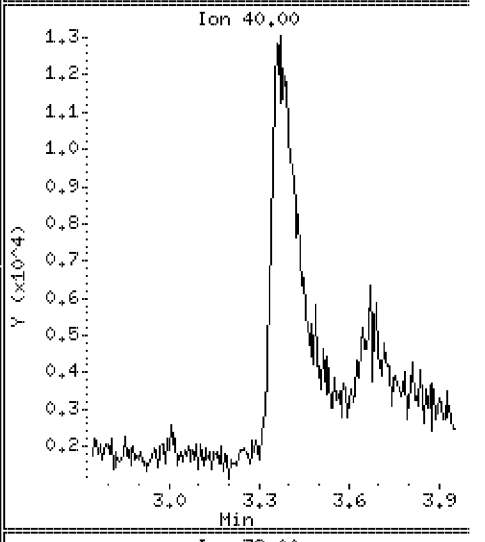


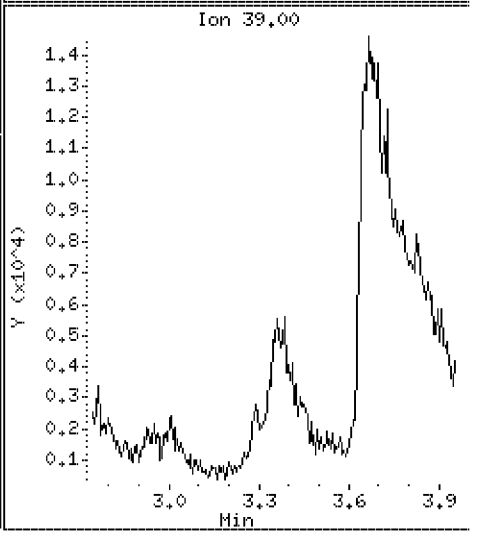












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

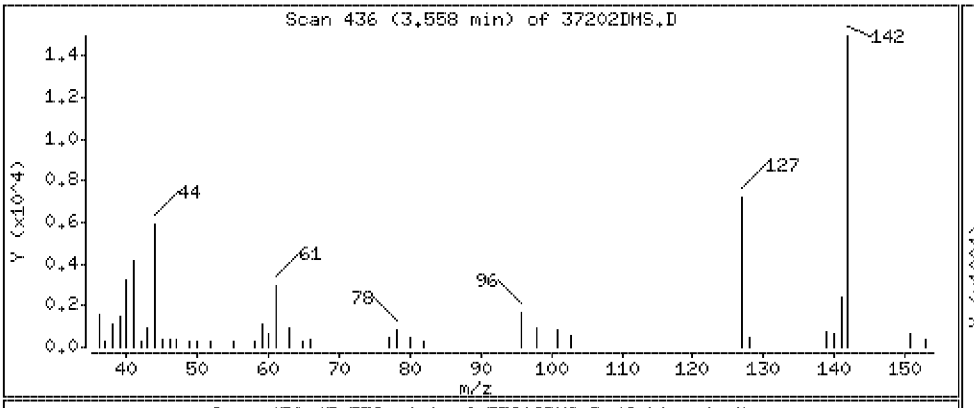
Operator:

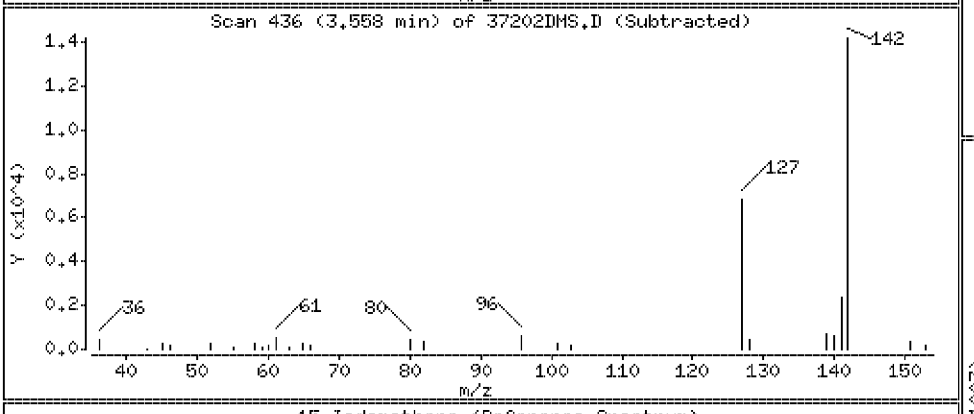
Column phase: DB-624

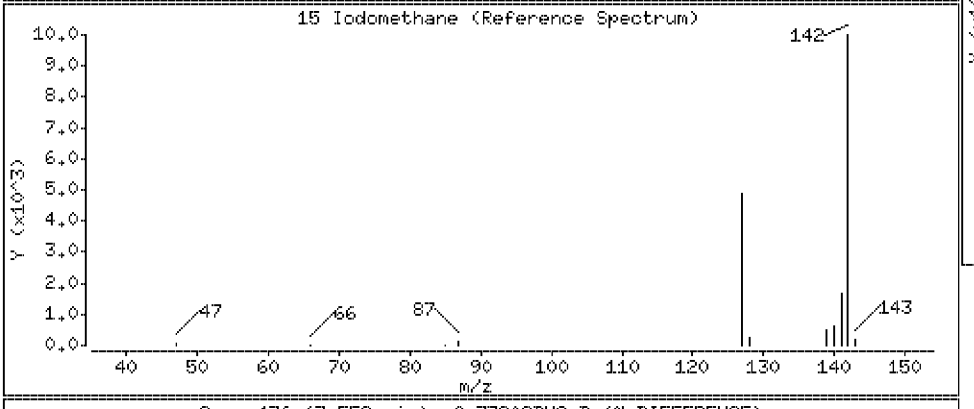
Column diameter: 0.18

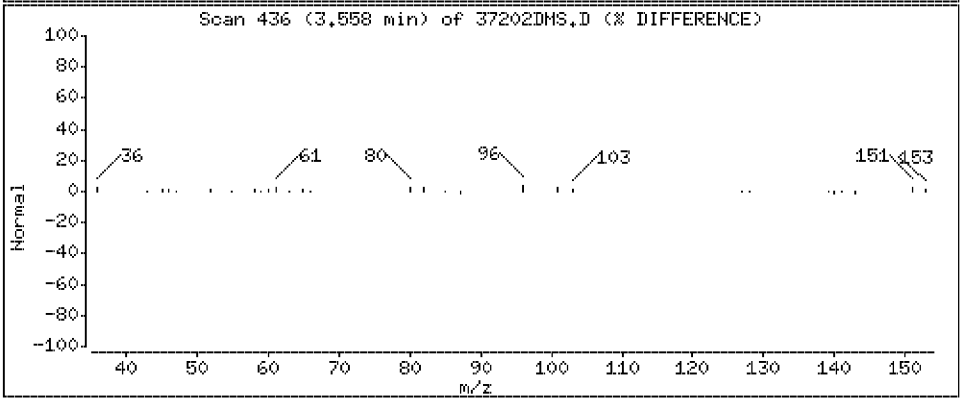
15 Iodomethane

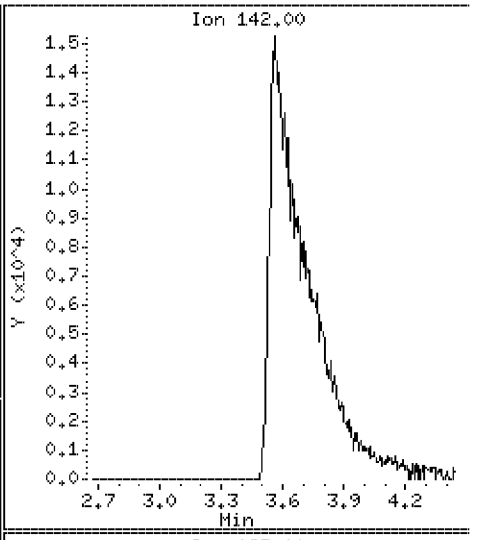
Concentration: 194 ug/l

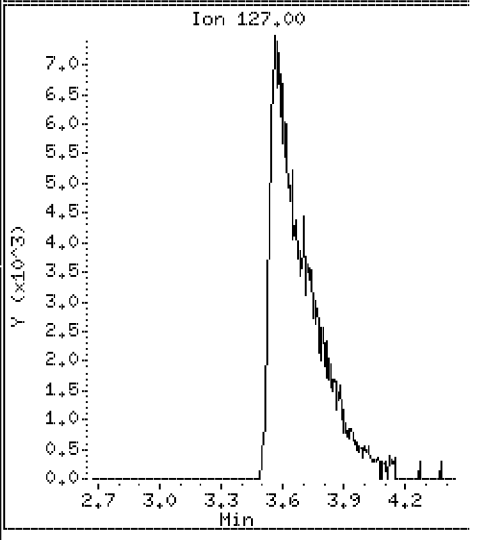












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

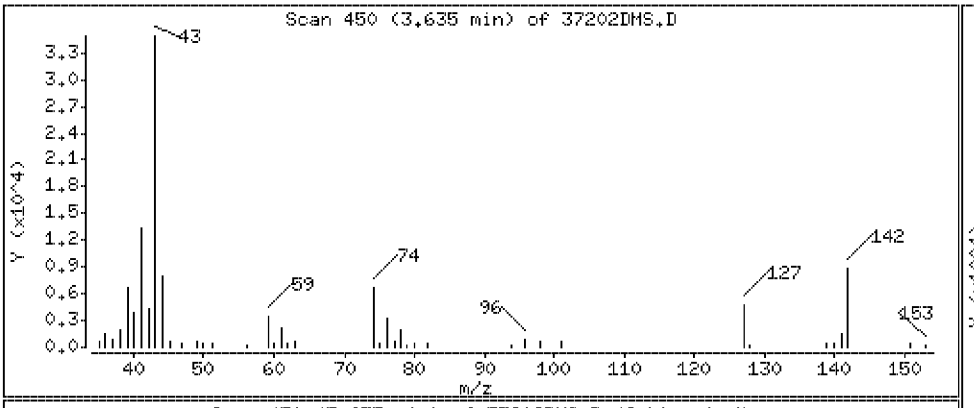
Operator:

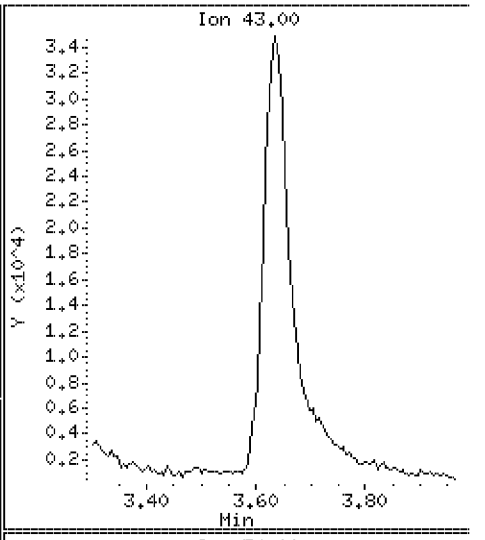
Column phase: DB-624

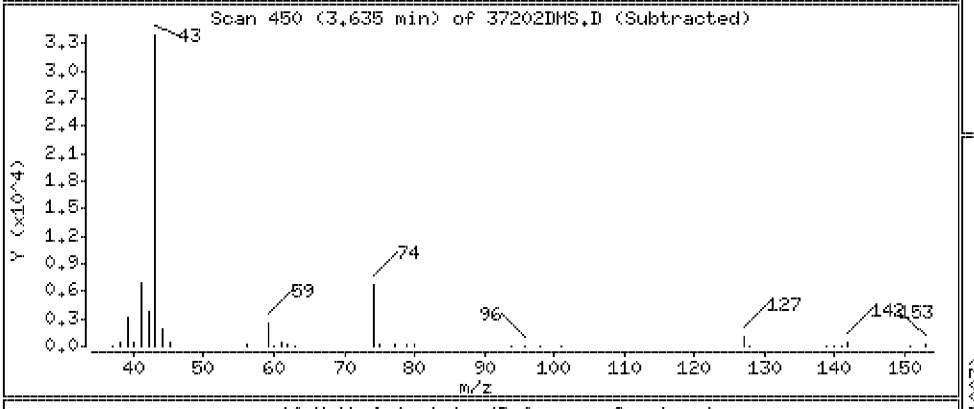
Column diameter: 0.18

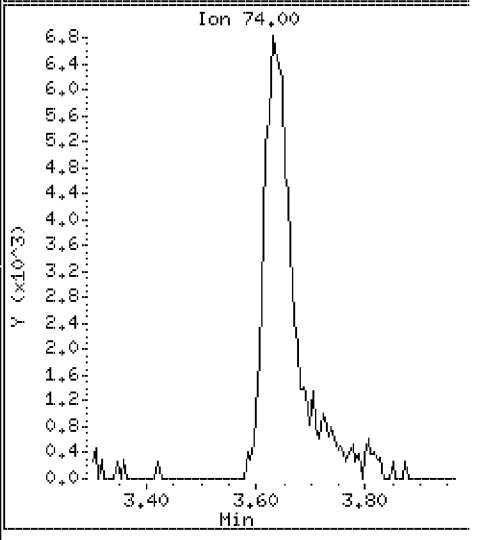
16 Methyl Acetate

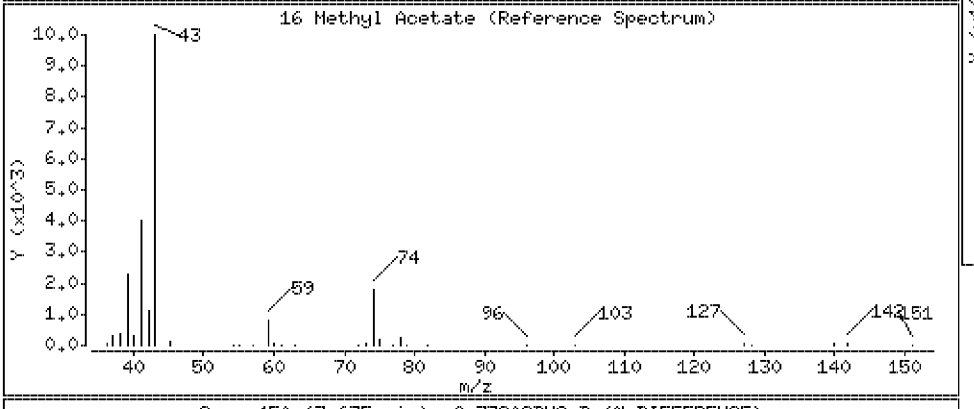
Concentration: 172 ug/l

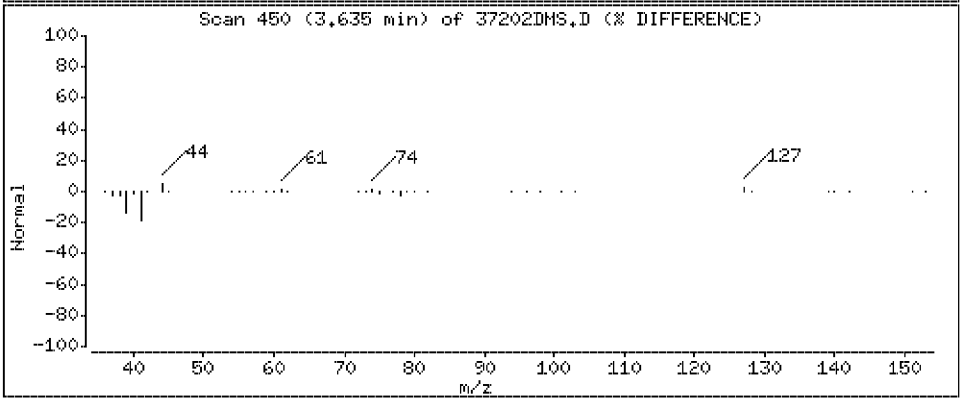












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

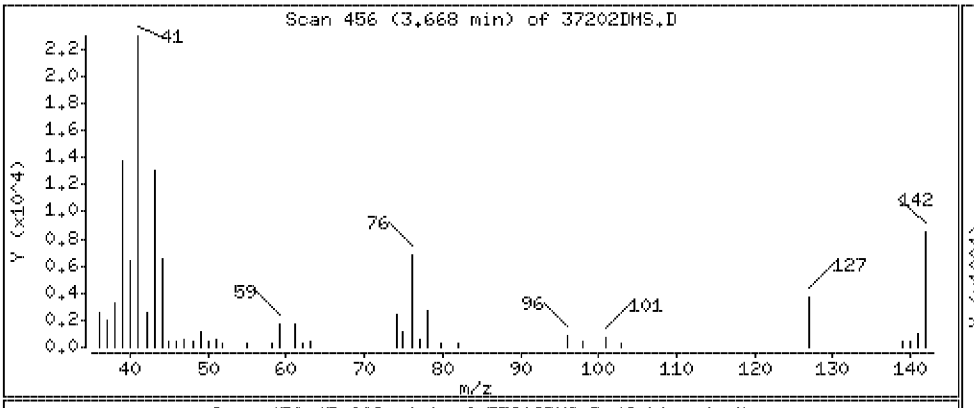
Operator:

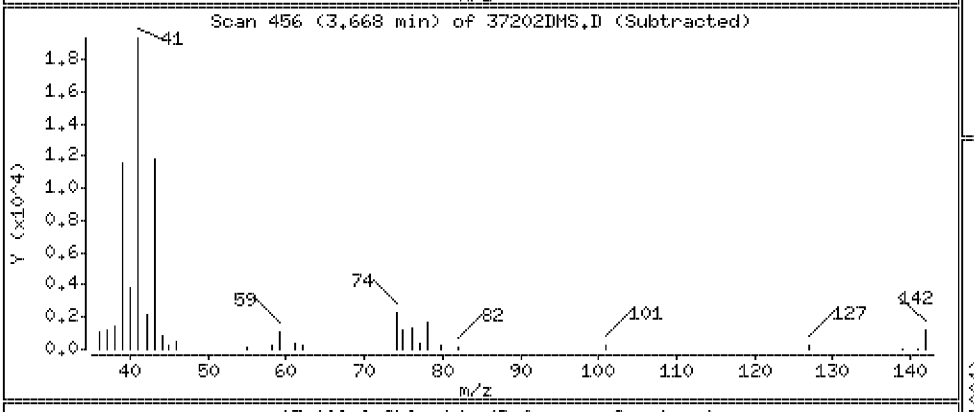
Column phase: DB-624

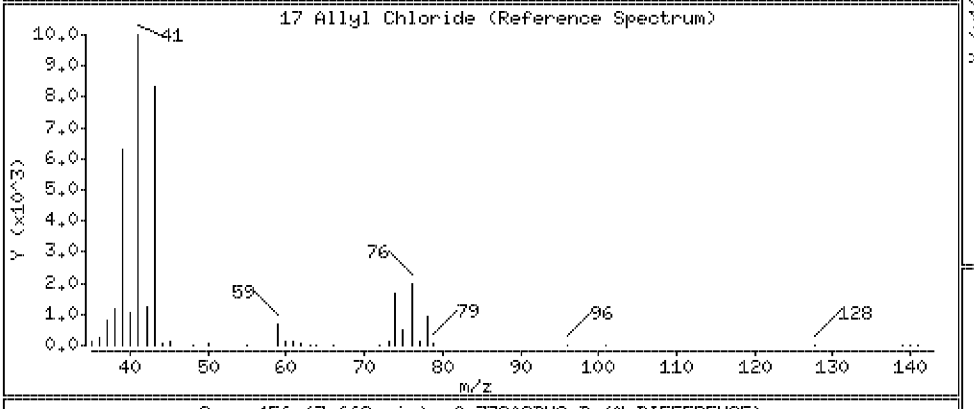
Column diameter: 0.18

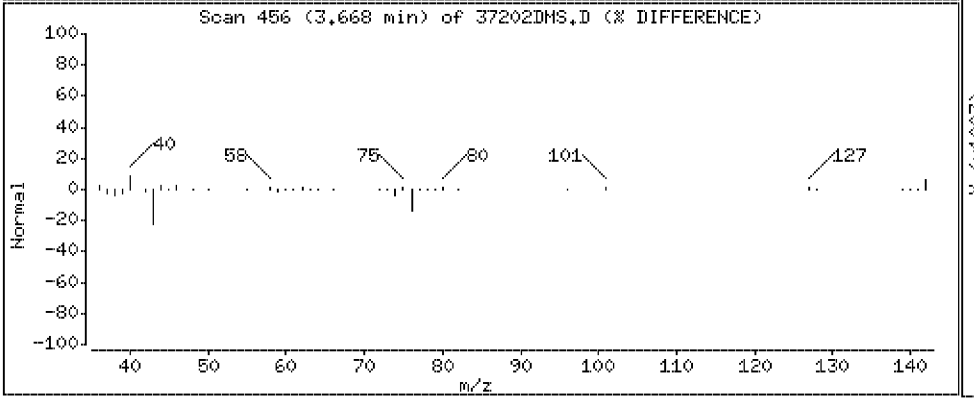
17 Allyl Chloride

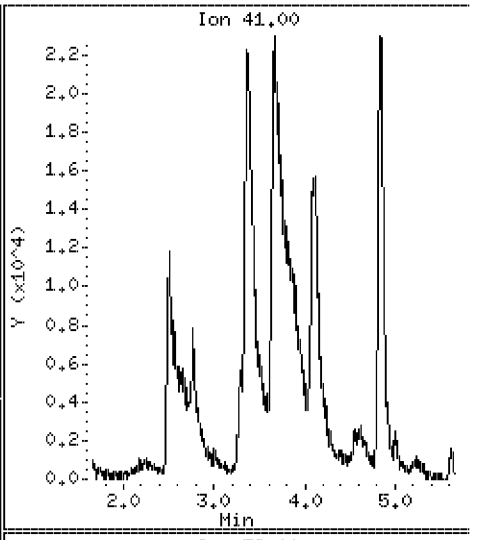
Concentration: 204 ug/l

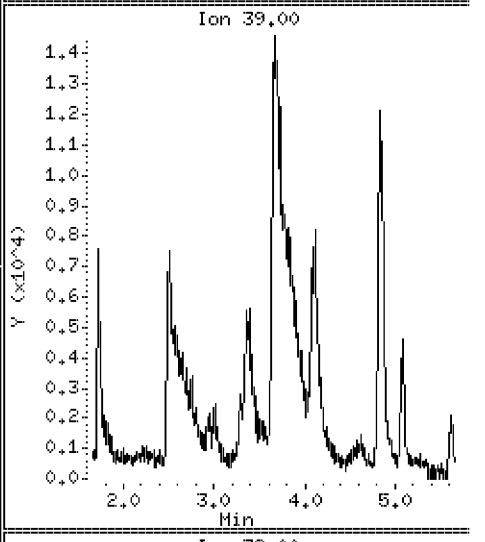


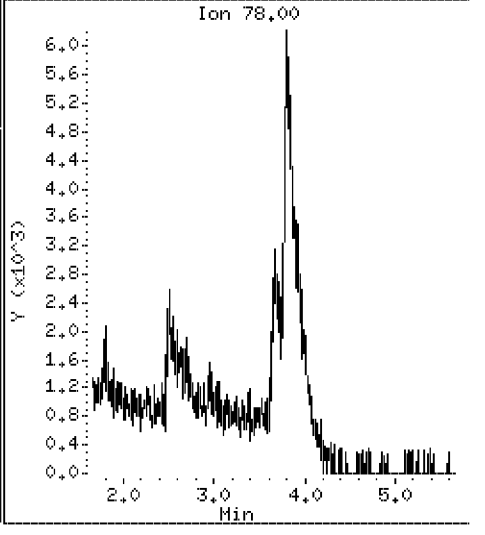












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

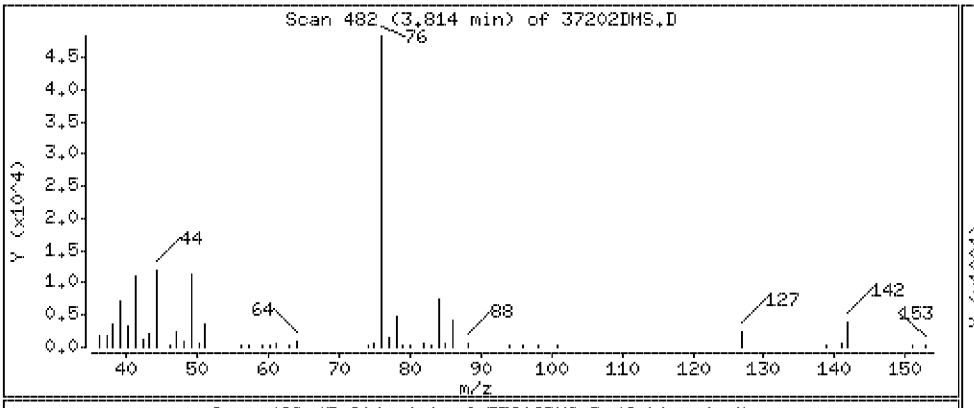
Operator:

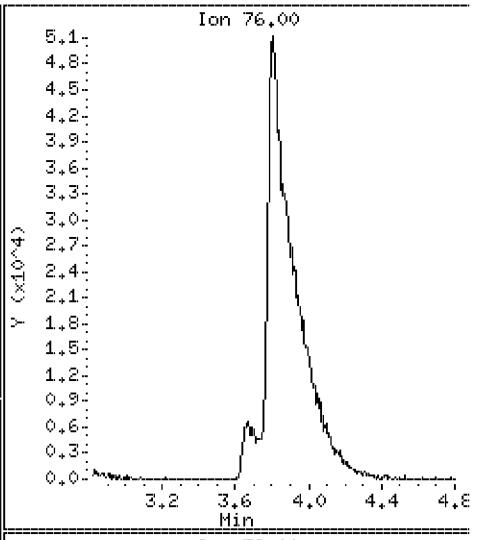
Column phase: DB-624

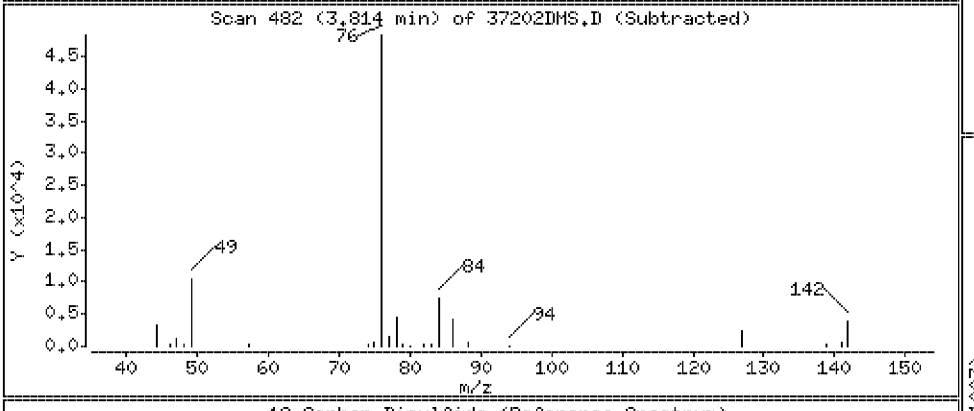
Column diameter: 0.18

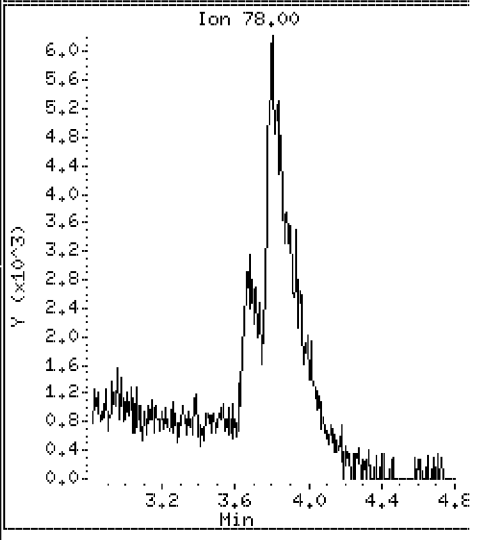
18 Carbon Disulfide

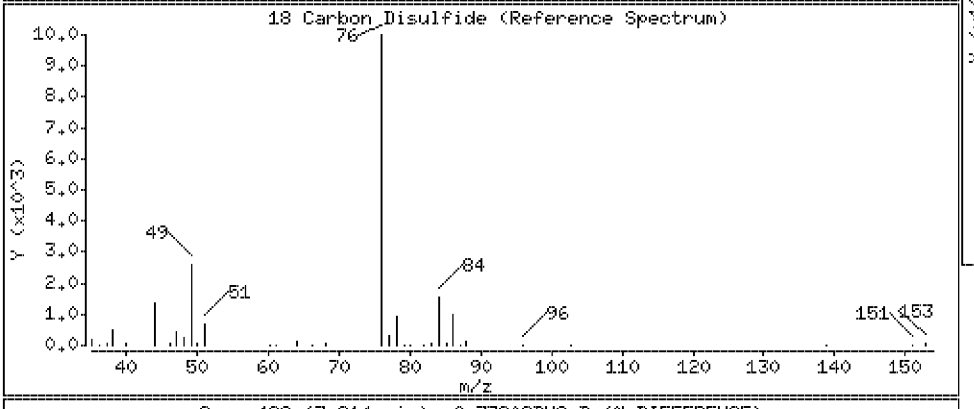
Concentration: 169 ug/l

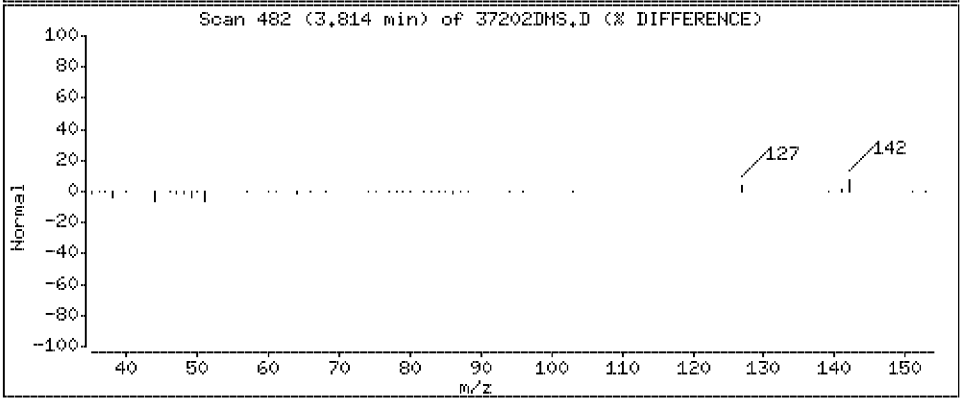












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

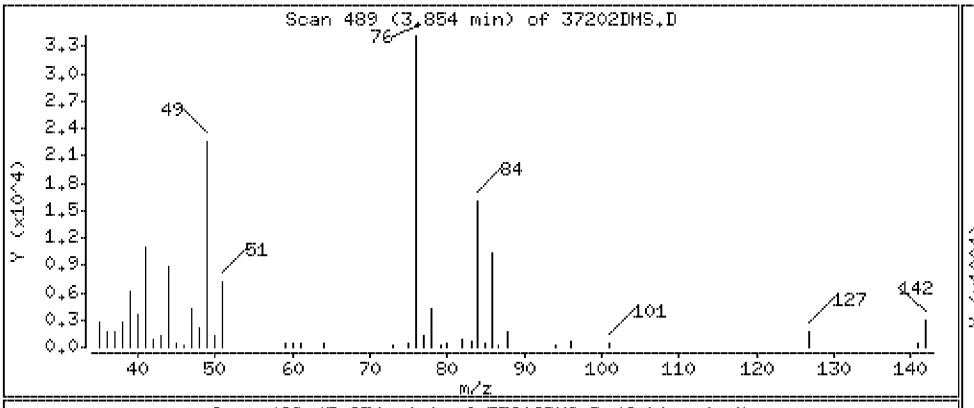
Operator:

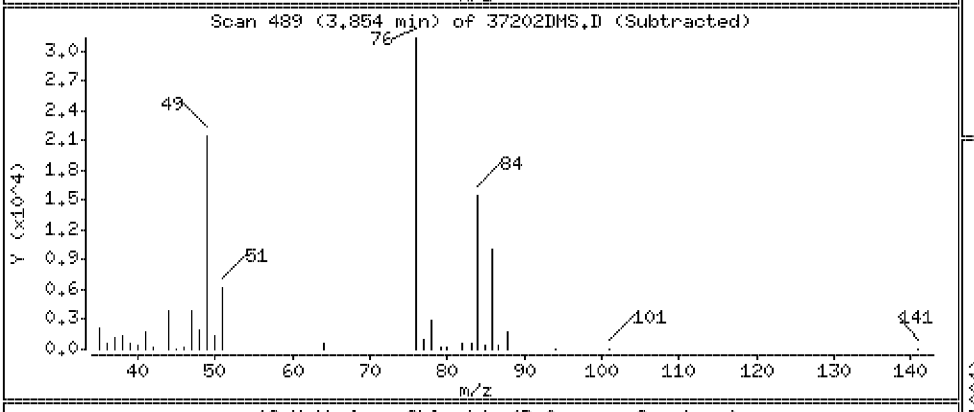
Column phase: DB-624

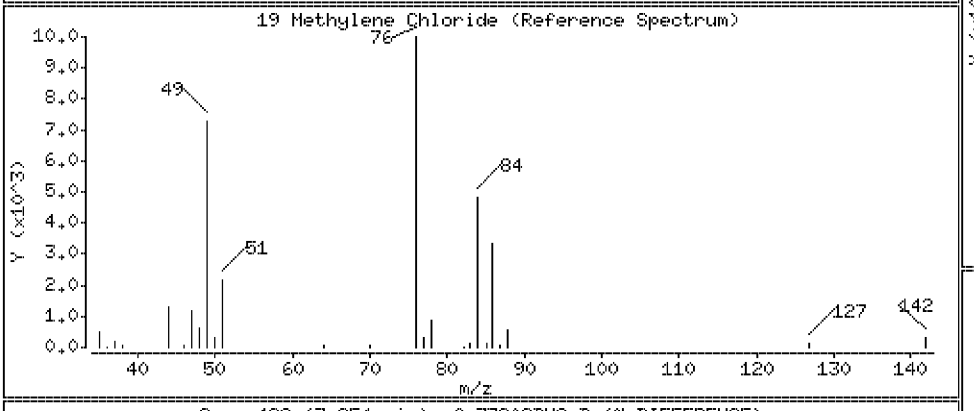
Column diameter: 0.18

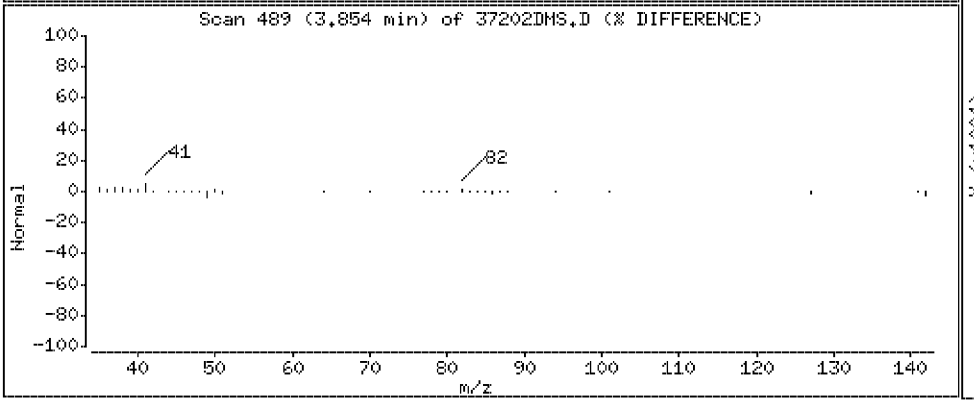
19 Methylene Chloride

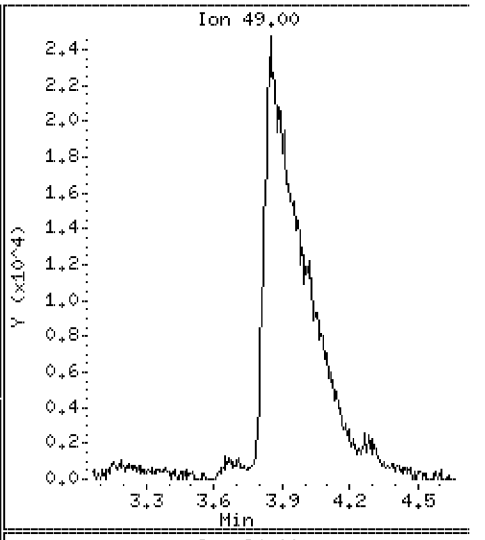
Concentration: 188 ug/l

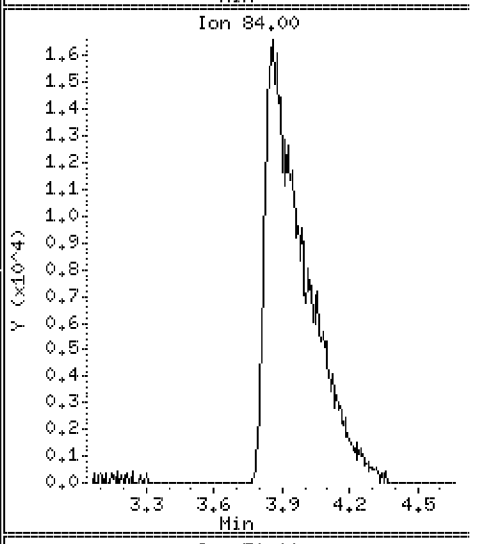


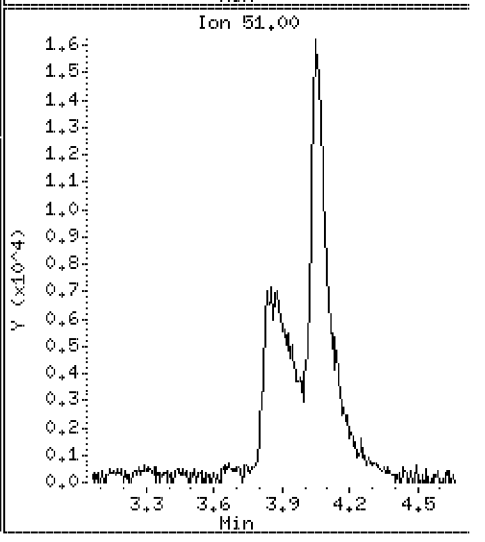












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

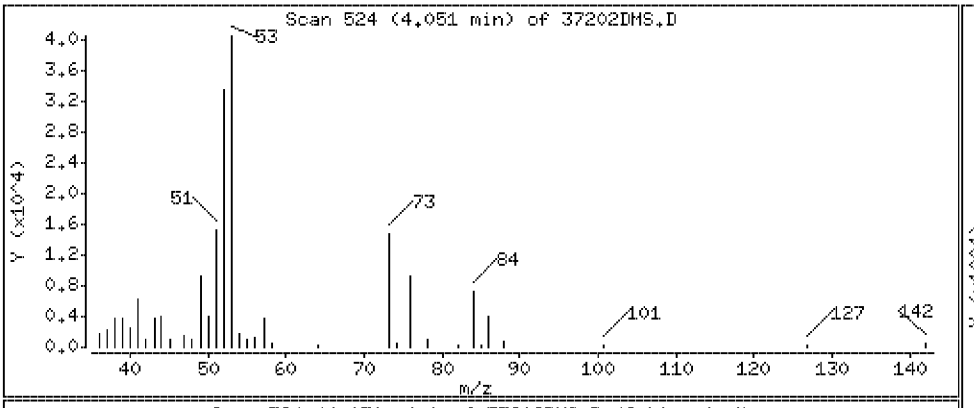
Operator:

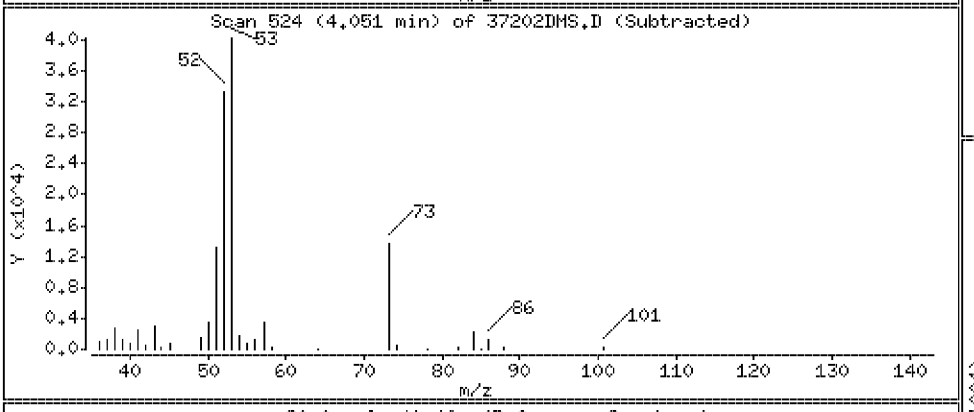
Column phase: DB-624

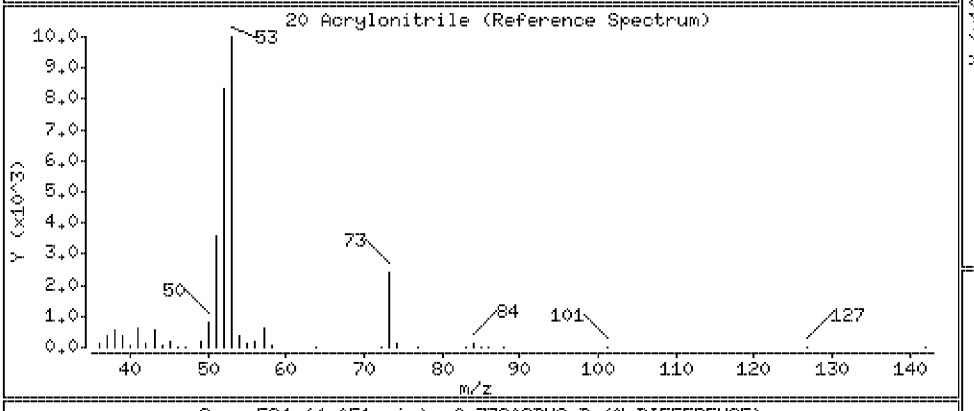
Column diameter: 0.18

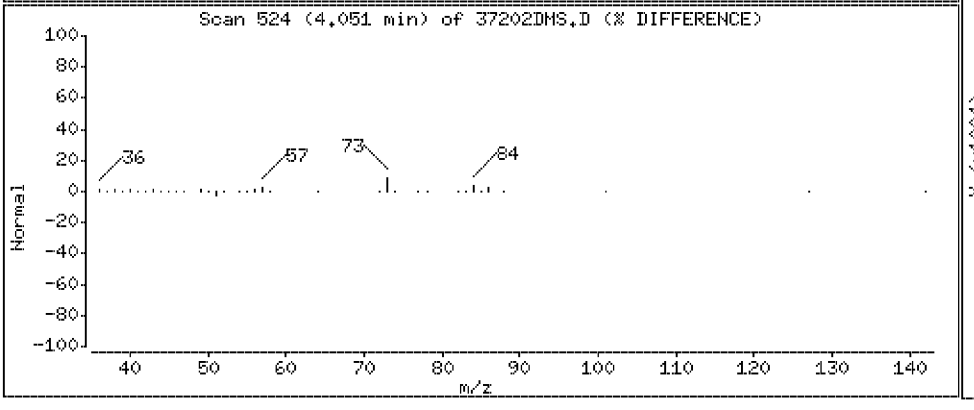
20 Acrylonitrile

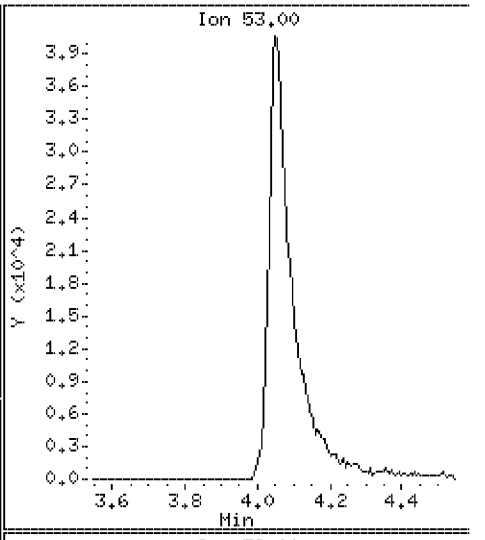
Concentration: 529 ug/l

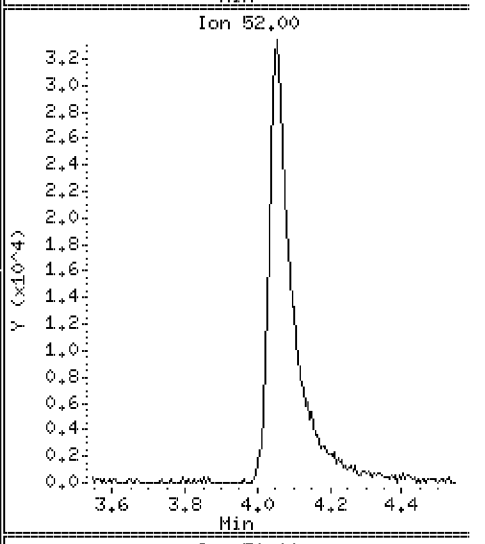


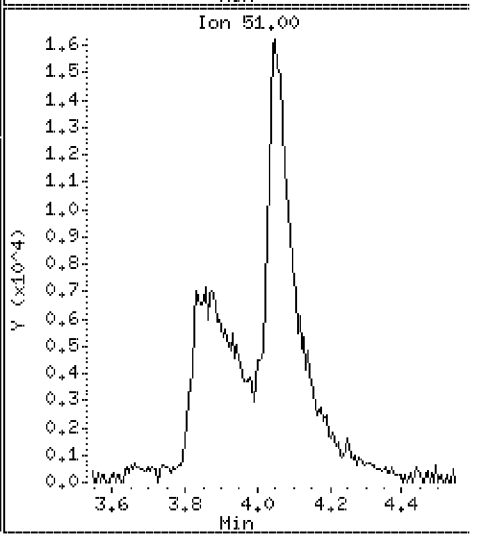












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

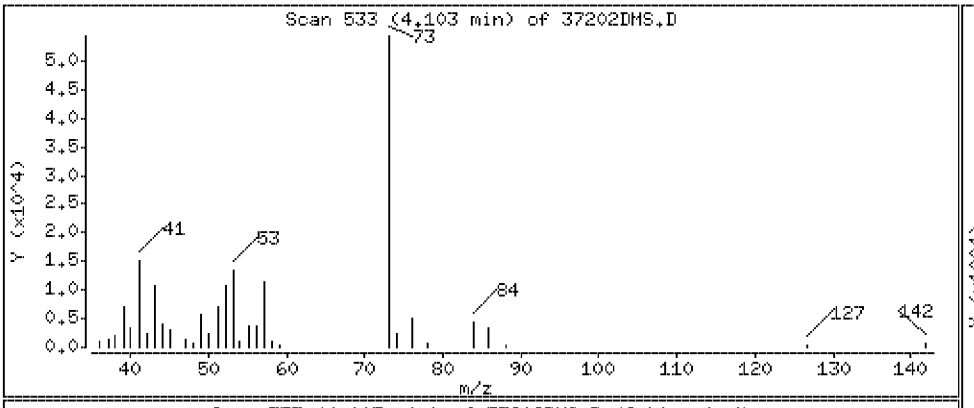
Operator:

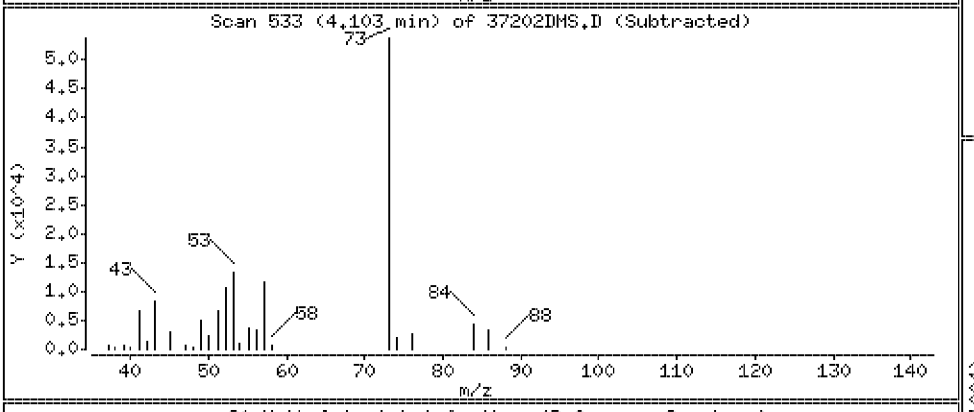
Column phase: DB-624

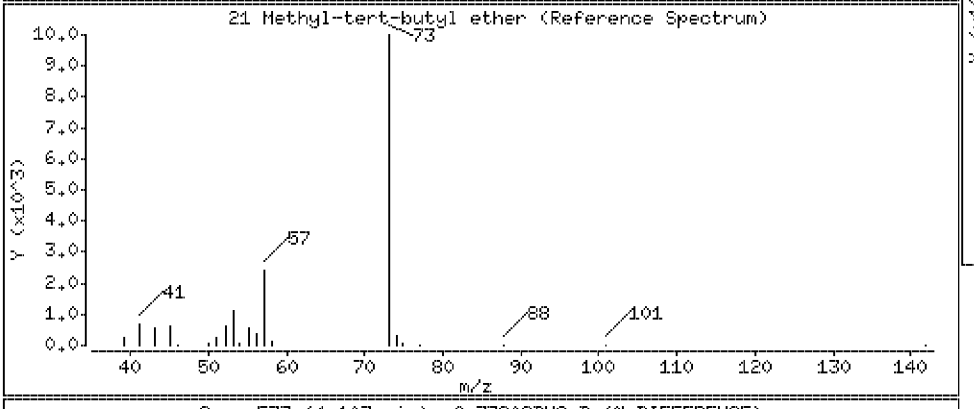
Column diameter: 0.18

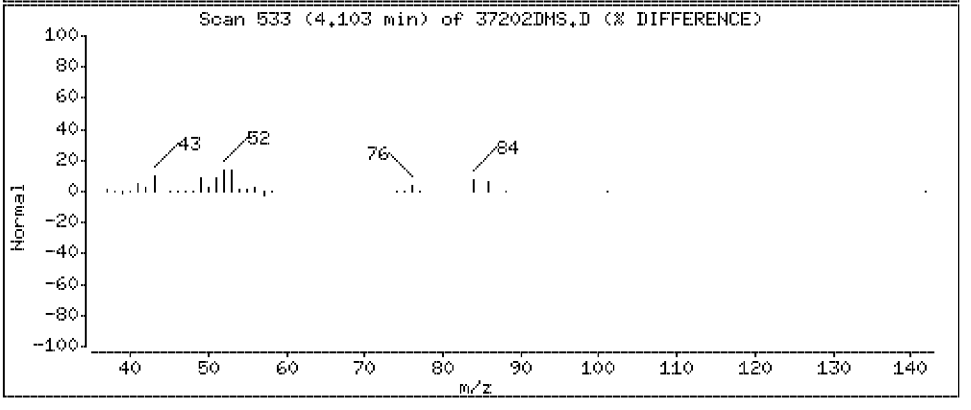
21 Methyl-tert-butyl ether

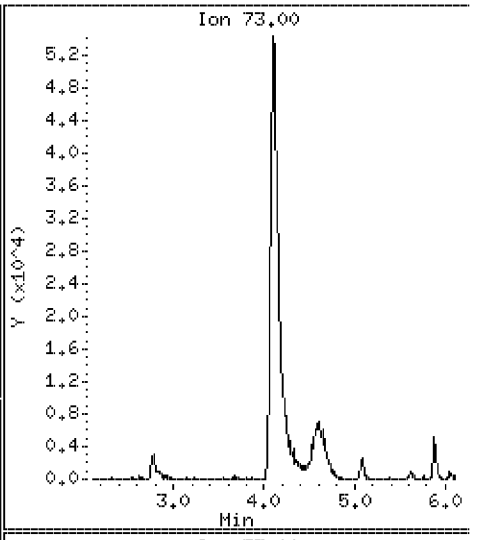
Concentration: 201 ug/l

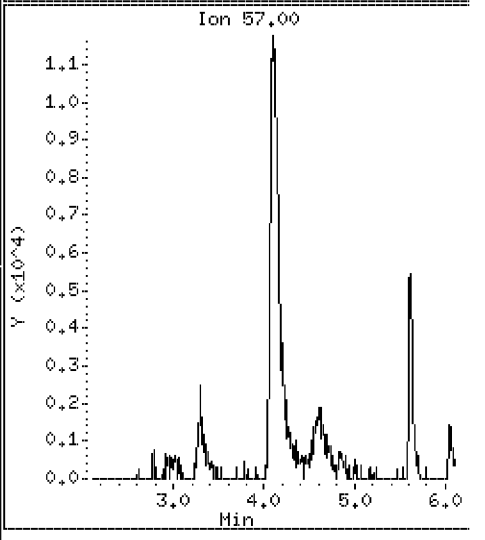












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

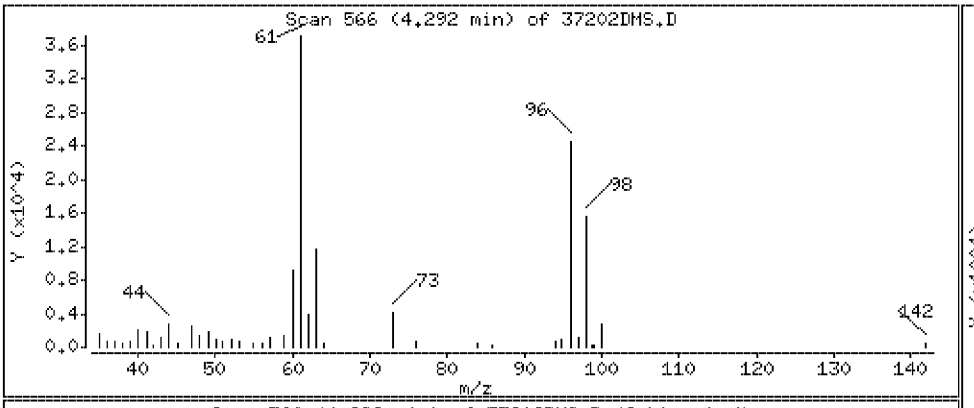
Operator:

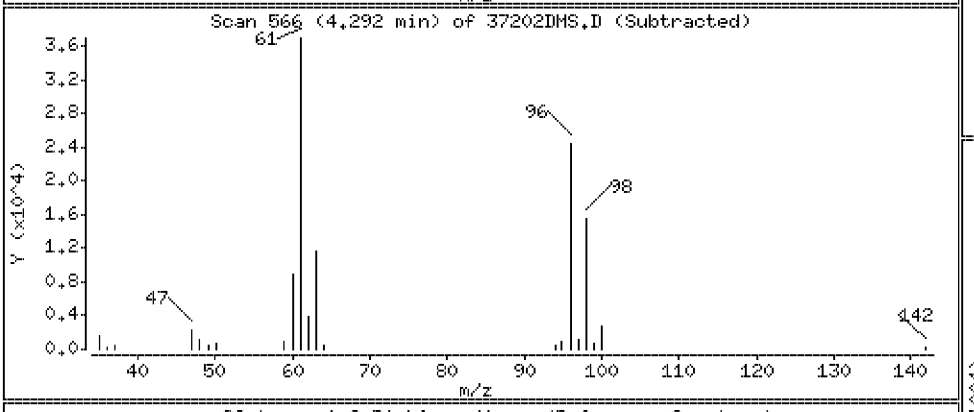
Column phase: DB-624

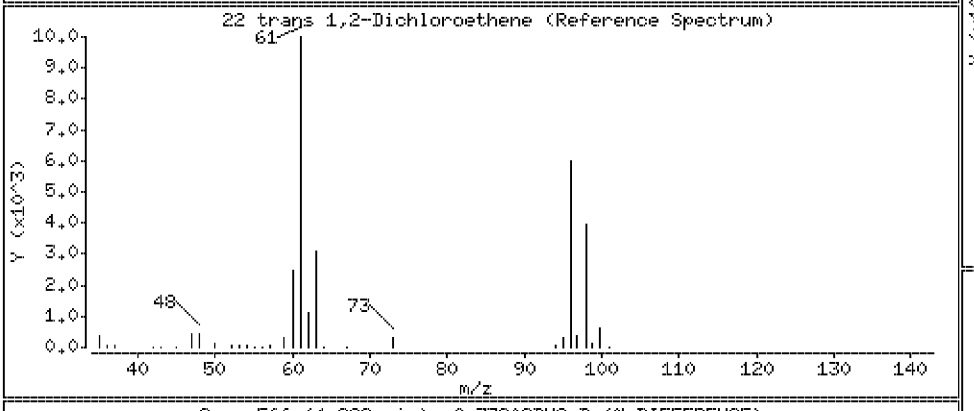
Column diameter: 0.18

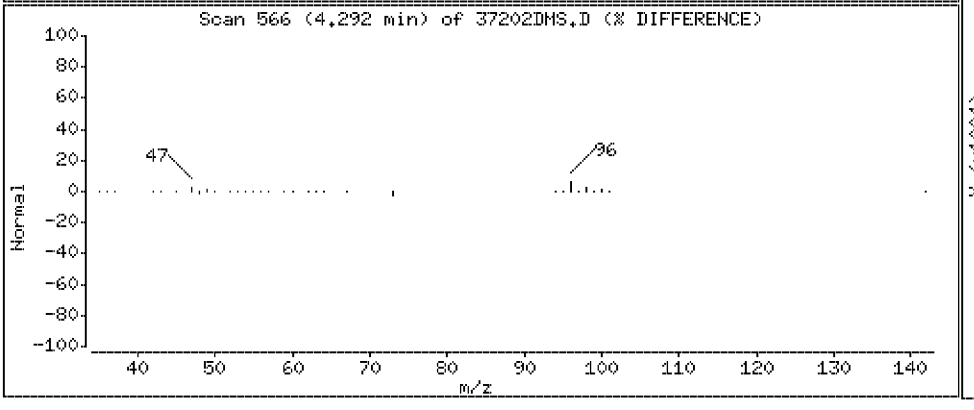
22 trans 1,2-Dichloroethene

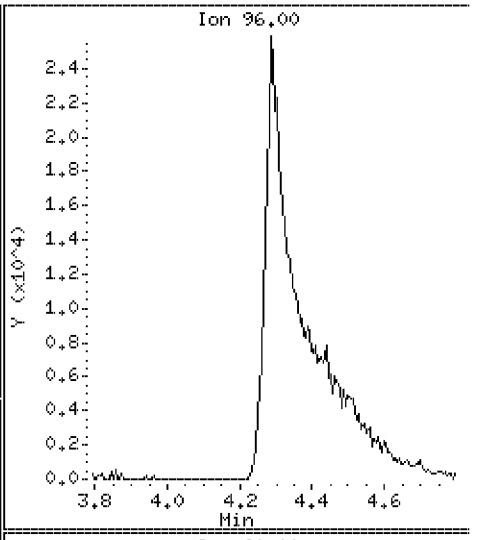
Concentration: 201 ug/l

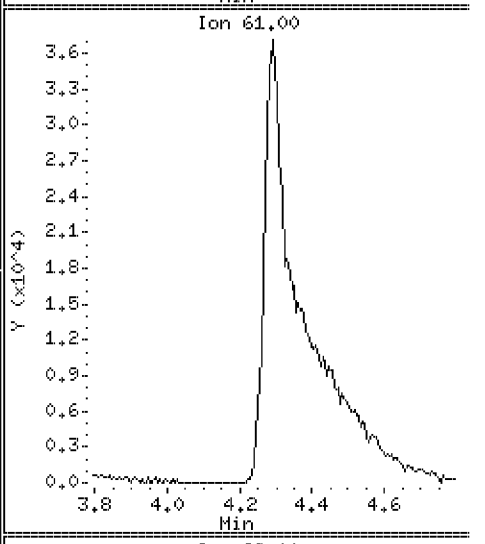


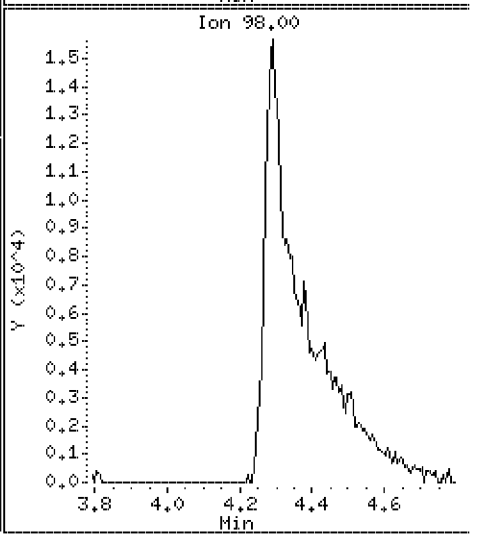












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

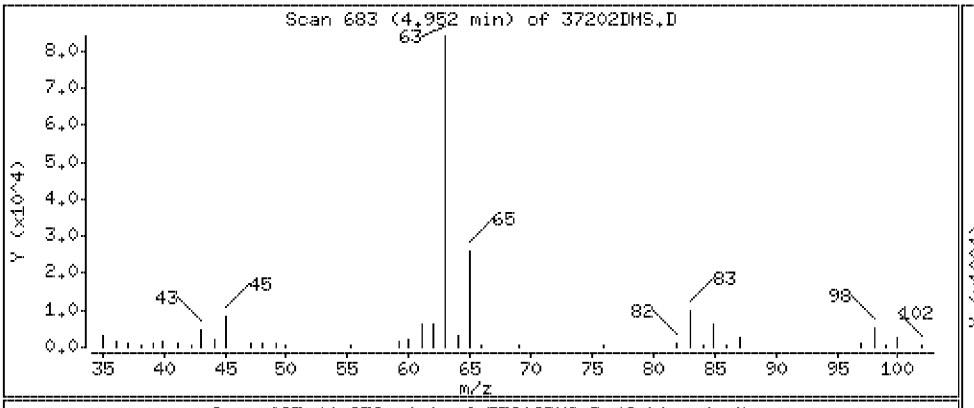
Operator:

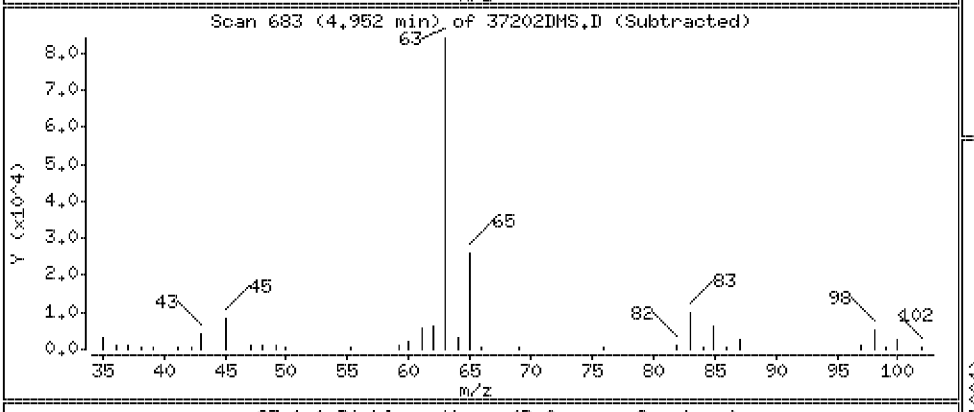
Column phase: DB-624

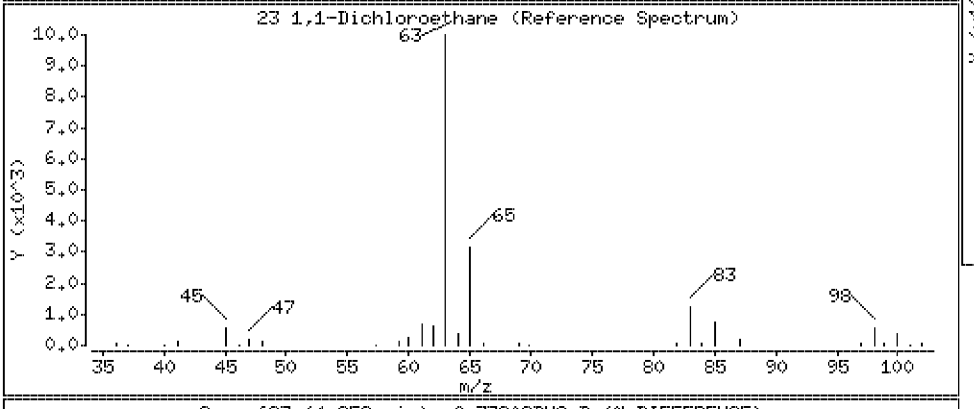
Column diameter: 0.18

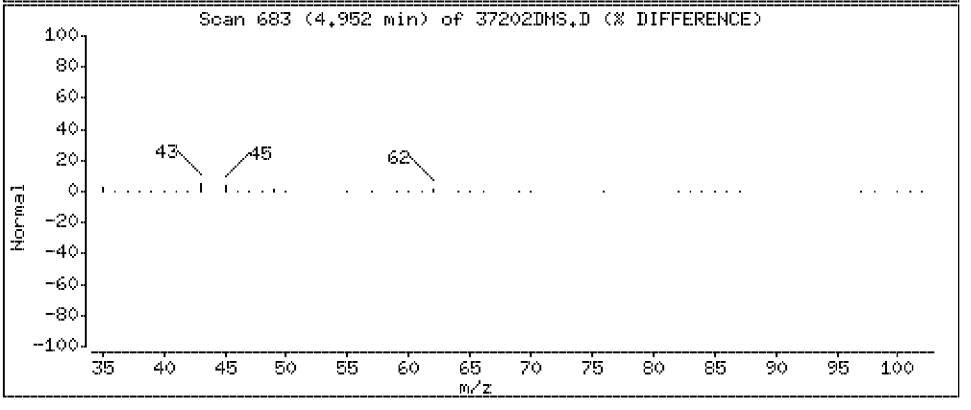
23 1,1-Dichloroethane

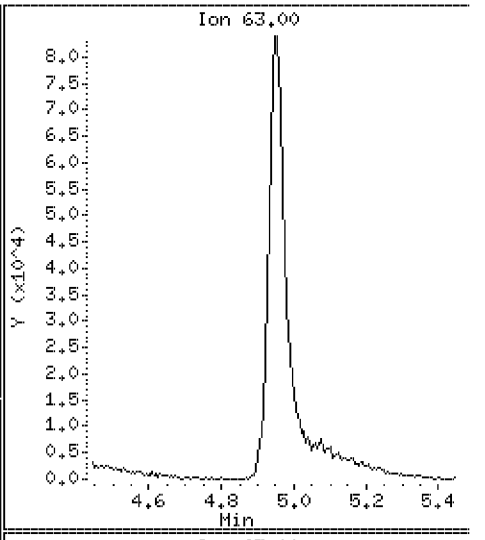
Concentration: 207 ug/l

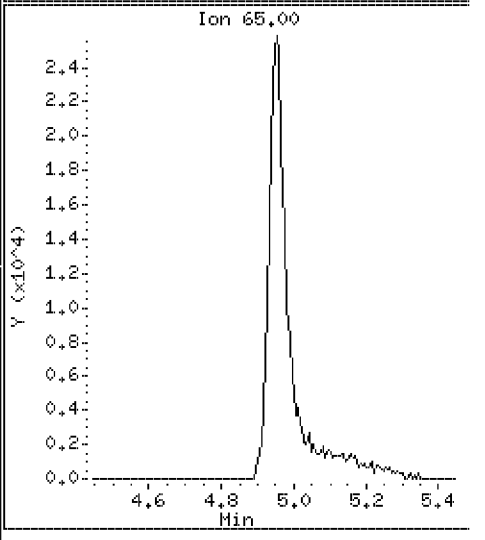












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

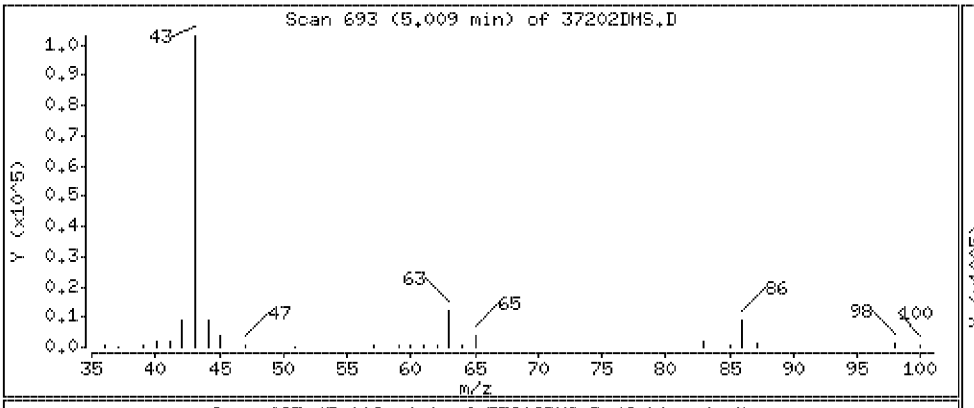
Operator:

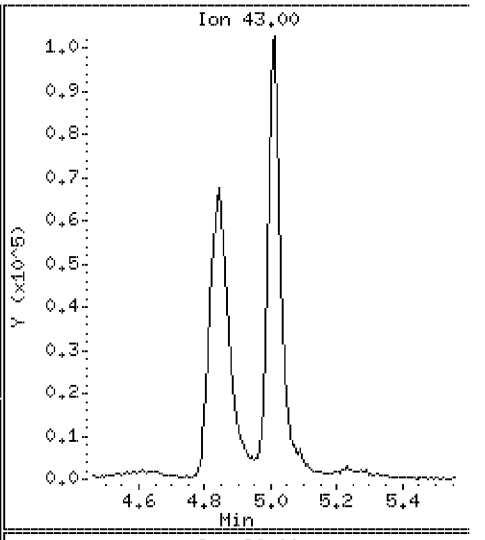
Column phase: DB-624

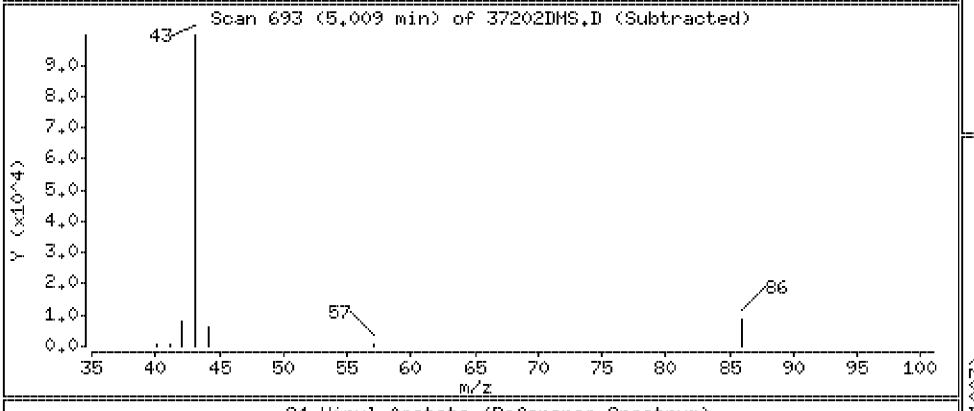
Column diameter: 0.18

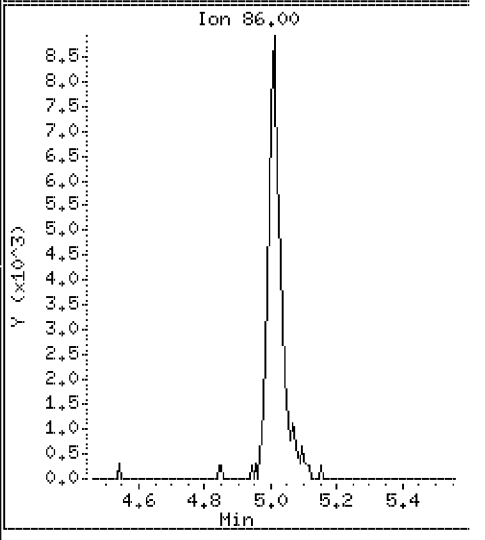
24 Vinyl Acetate

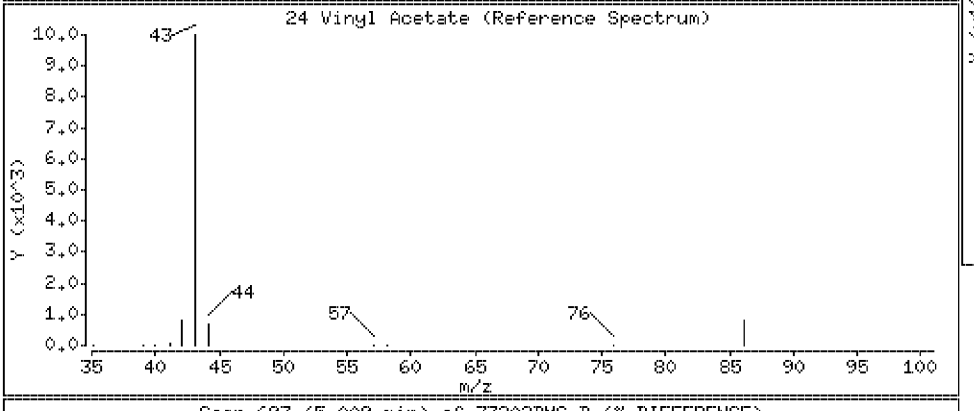
Concentration: 169 ug/l

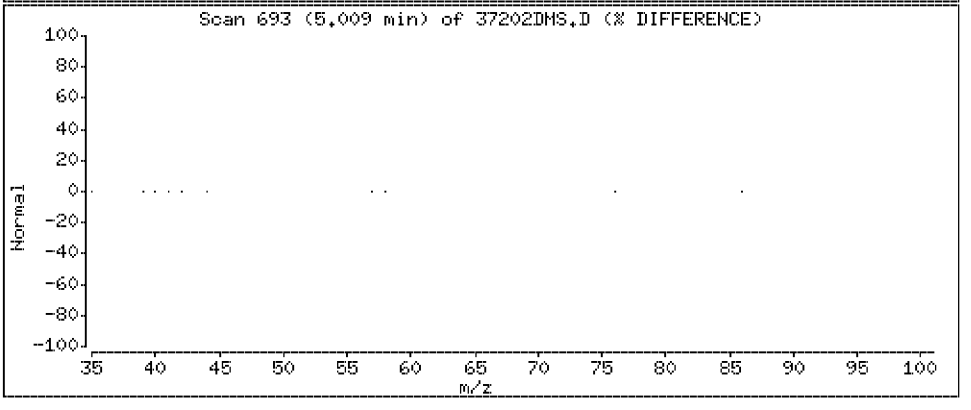












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

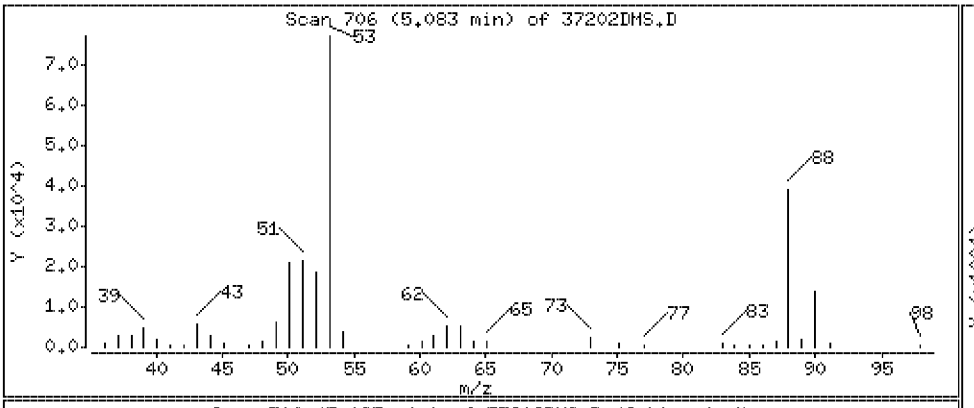
Operator:

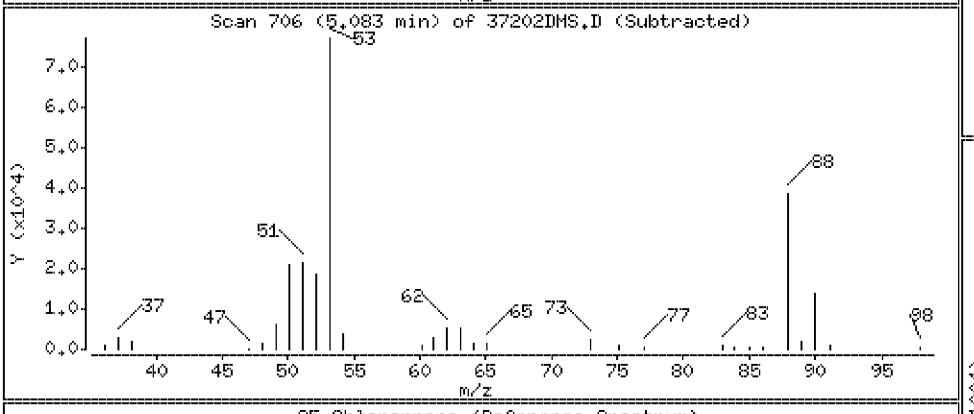
Column phase: DB-624

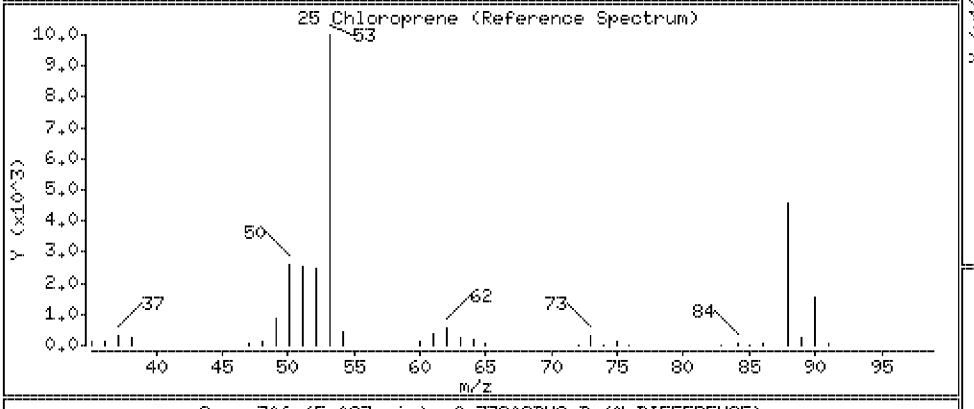
Column diameter: 0.18

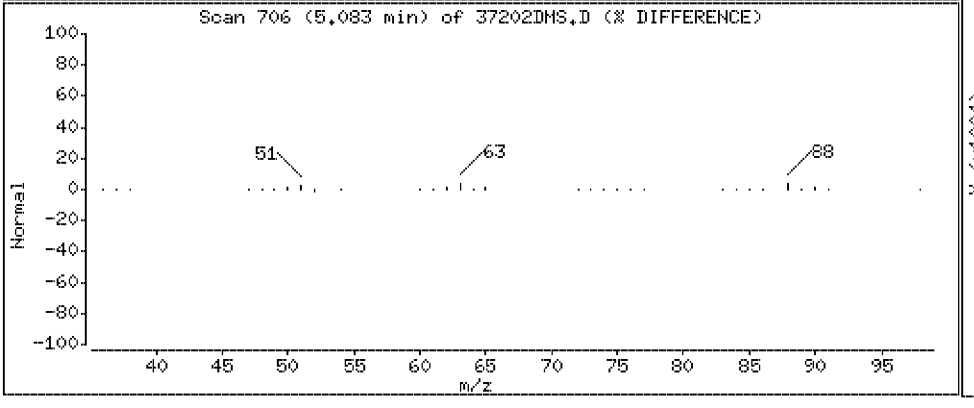
25 Chloroprene

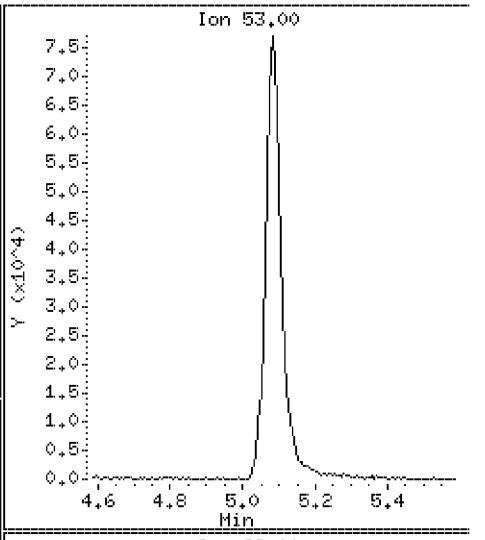
Concentration: 178 ug/l

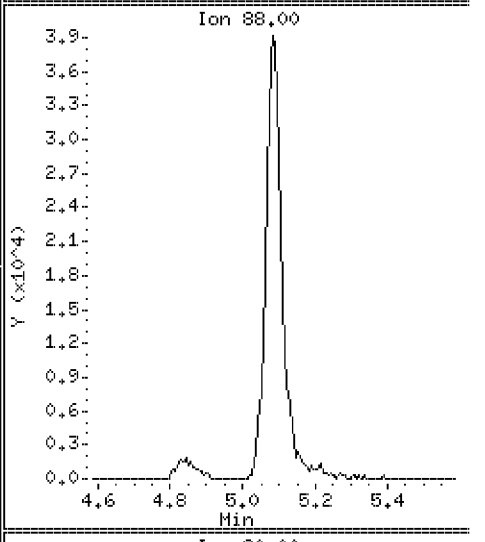


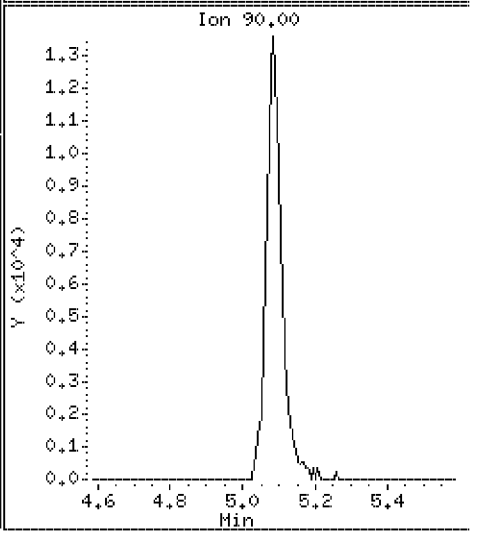












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

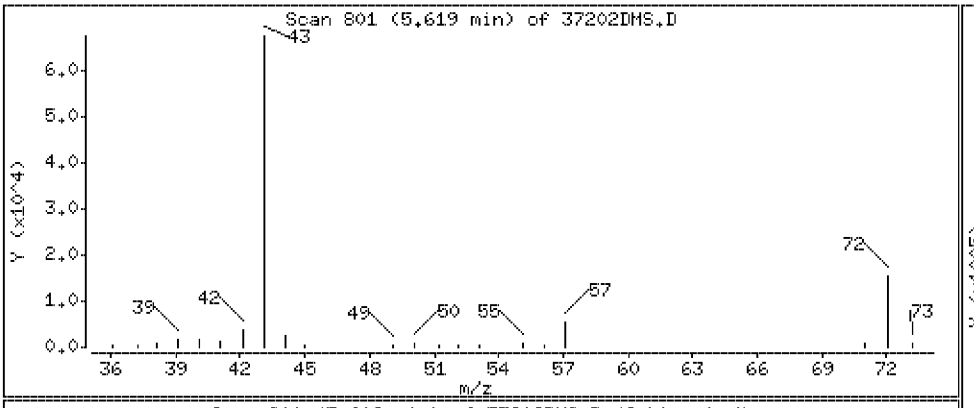
Operator:

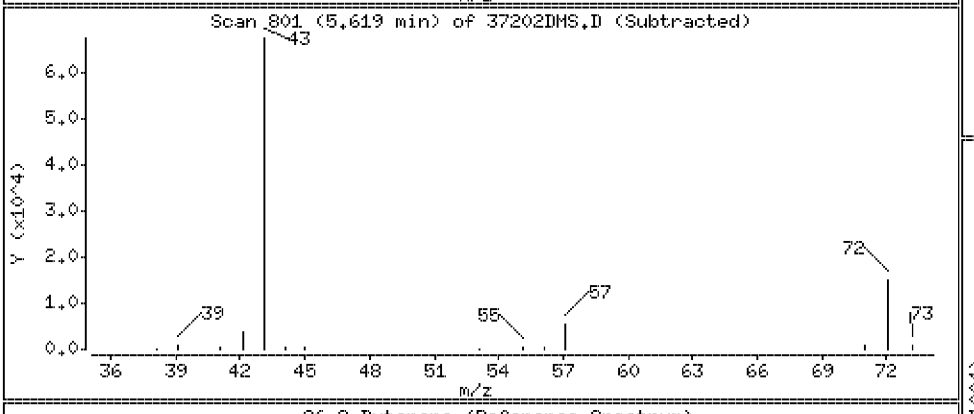
Column phase: DB-624

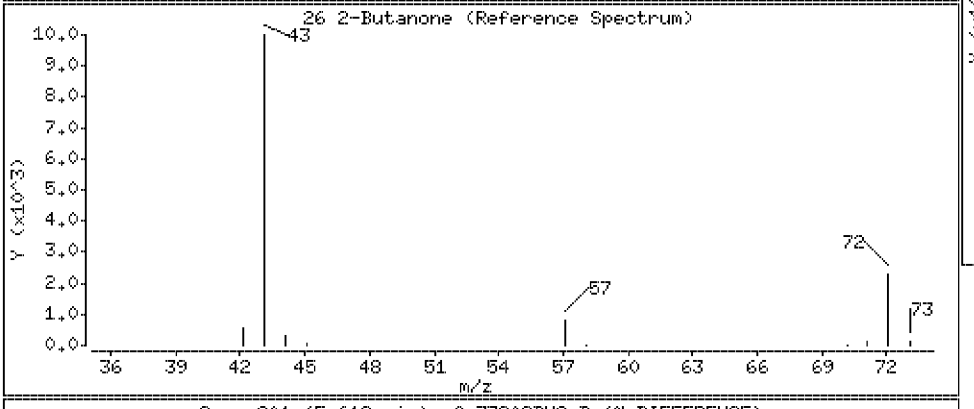
Column diameter: 0.18

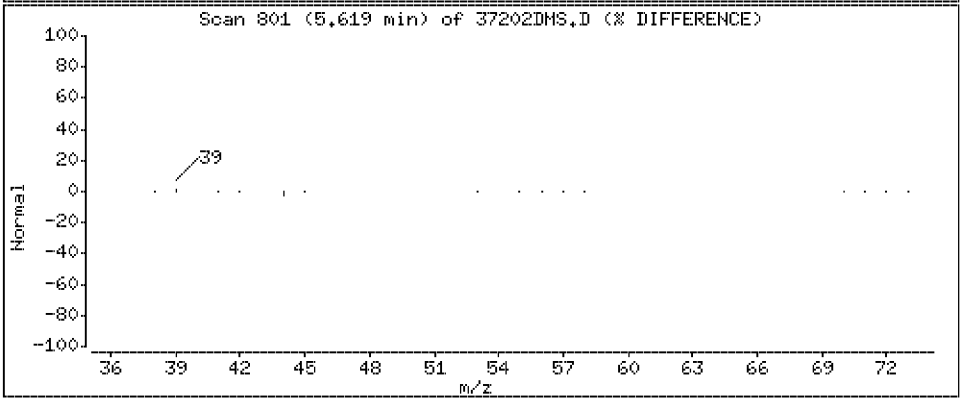
26 2-Butanone

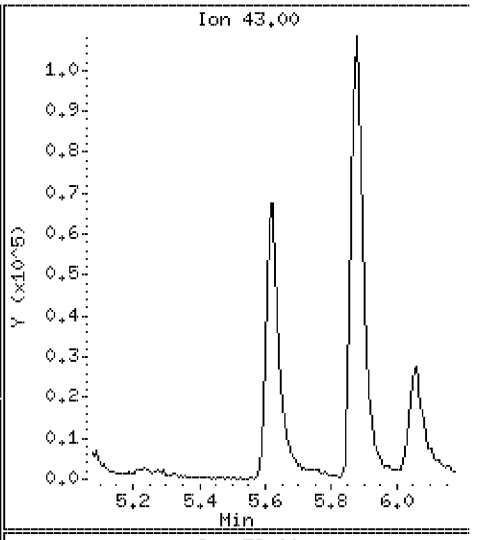
Concentration: 446 ug/l

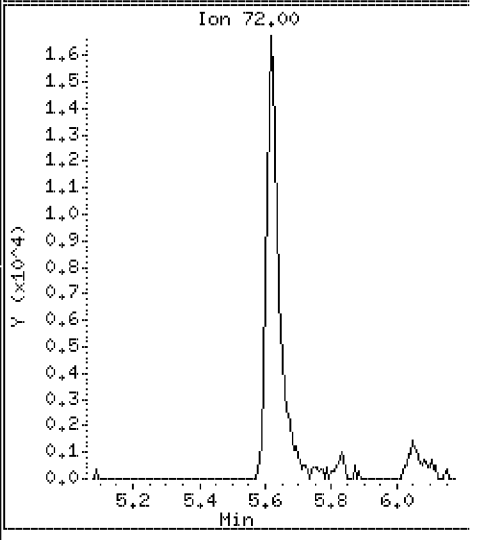












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

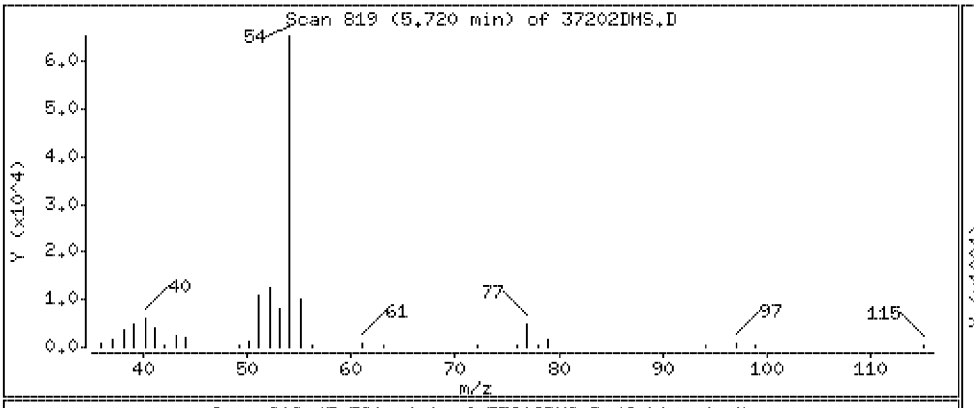
Operator:

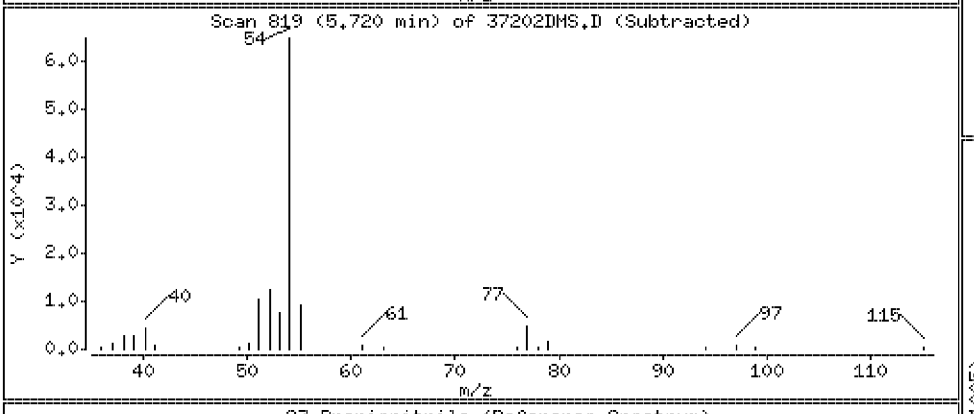
Column phase: DB-624

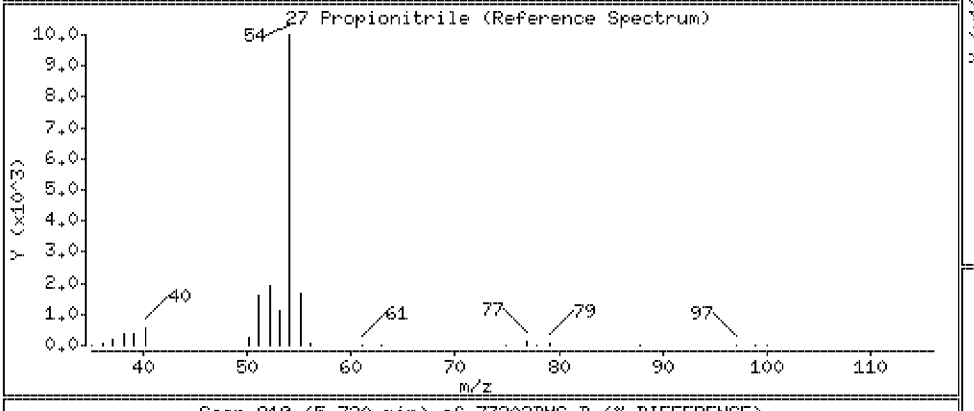
Column diameter: 0.18

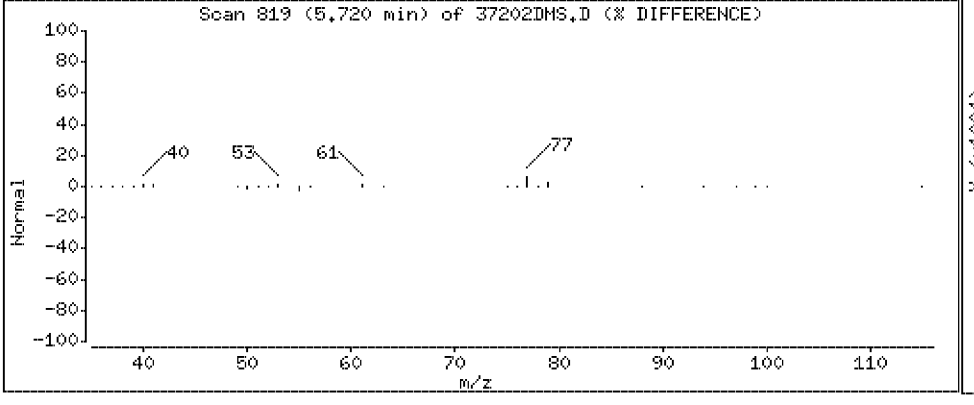
27 Propionitrile

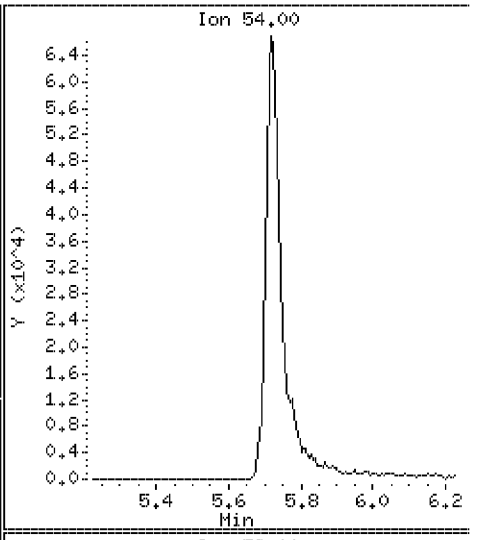
Concentration: 1630 ug/l

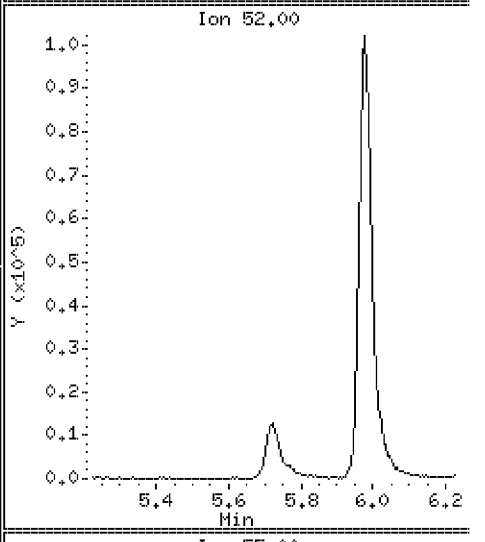


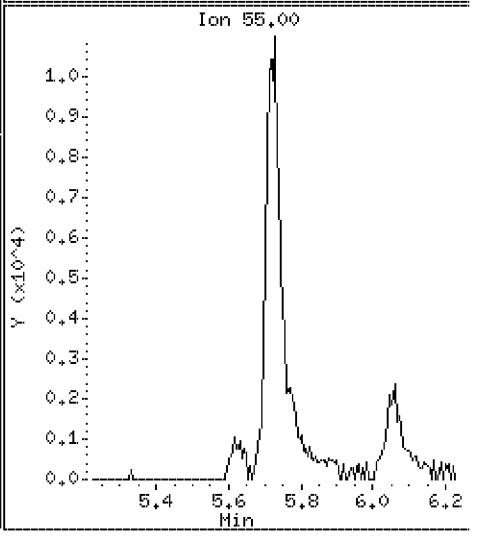












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

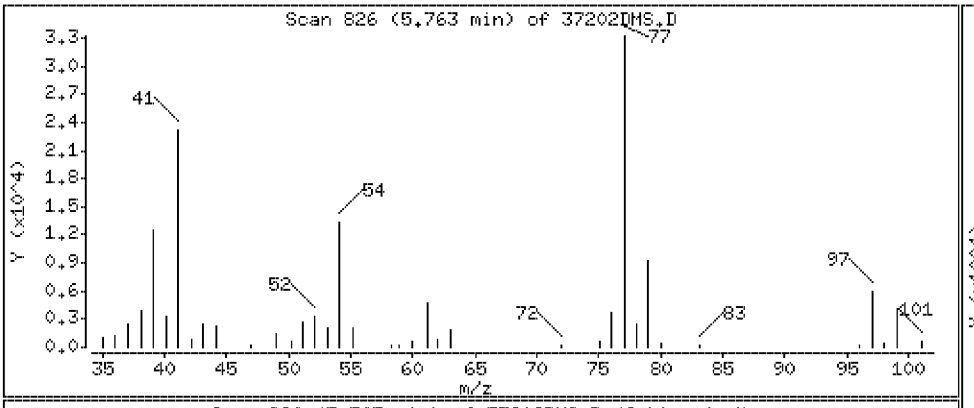
Operator:

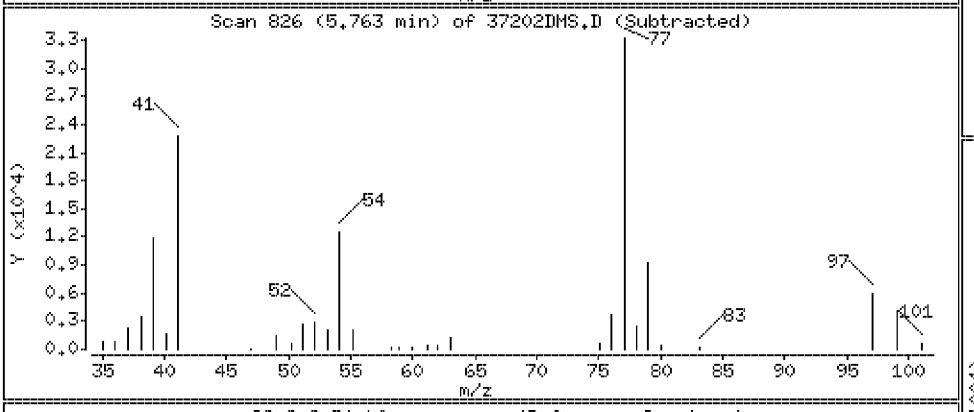
Column phase: DB-624

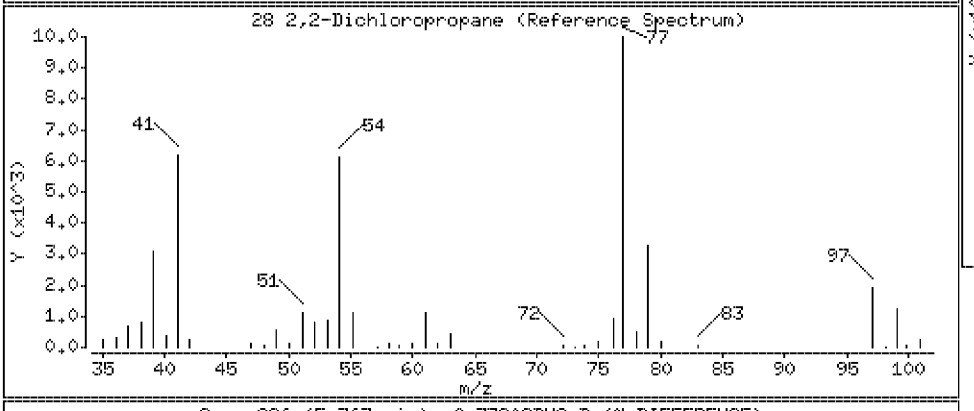
Column diameter: 0.18

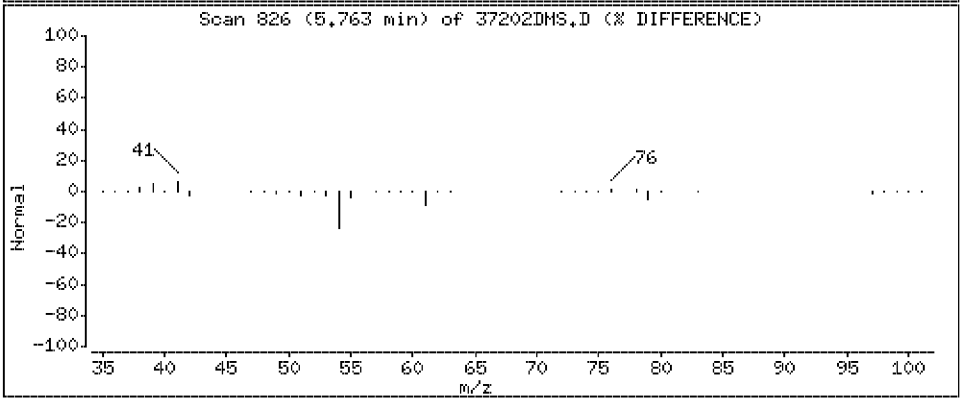
28 2,2-Dichloropropane

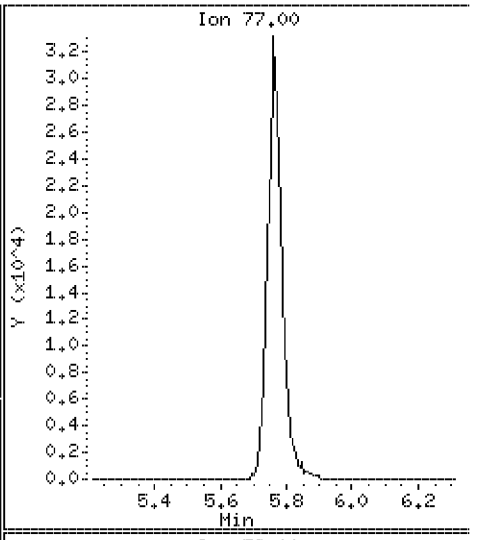
Concentration: 208 ug/l

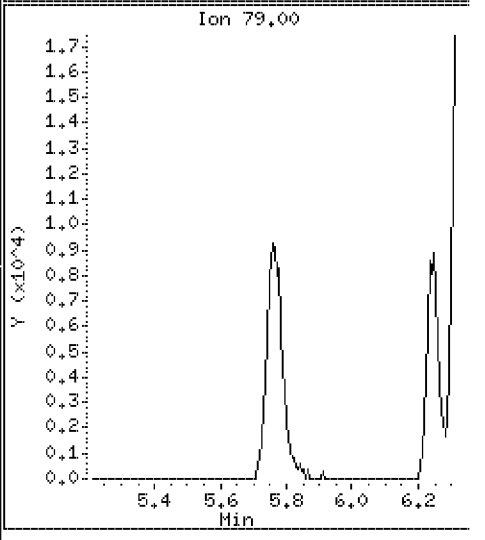












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

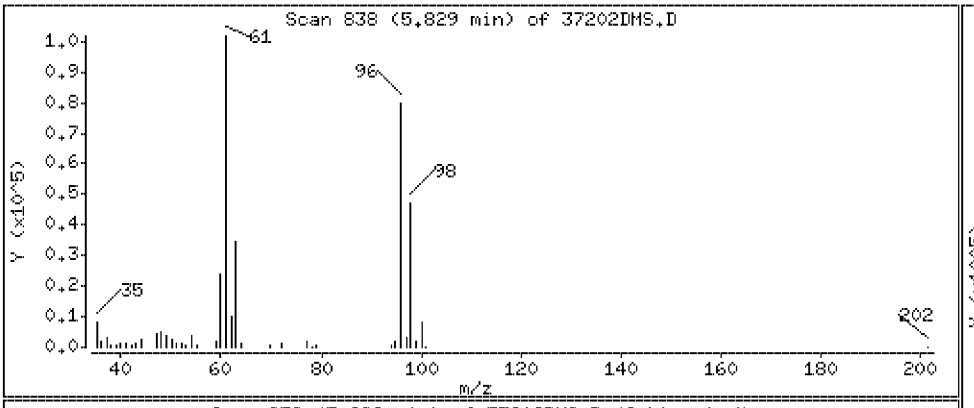
Operator:

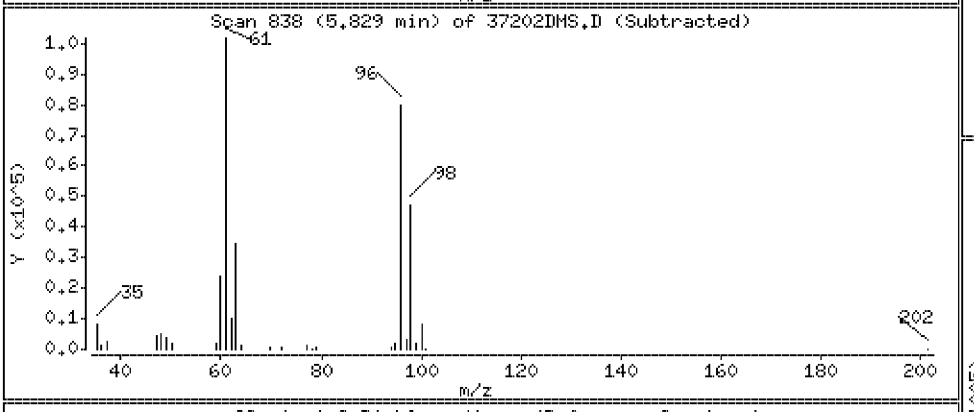
Column phase: DB-624

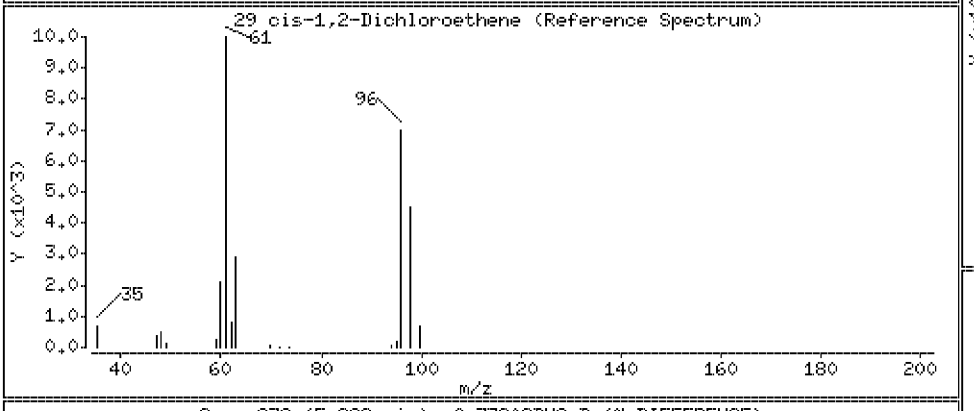
Column diameter: 0.18

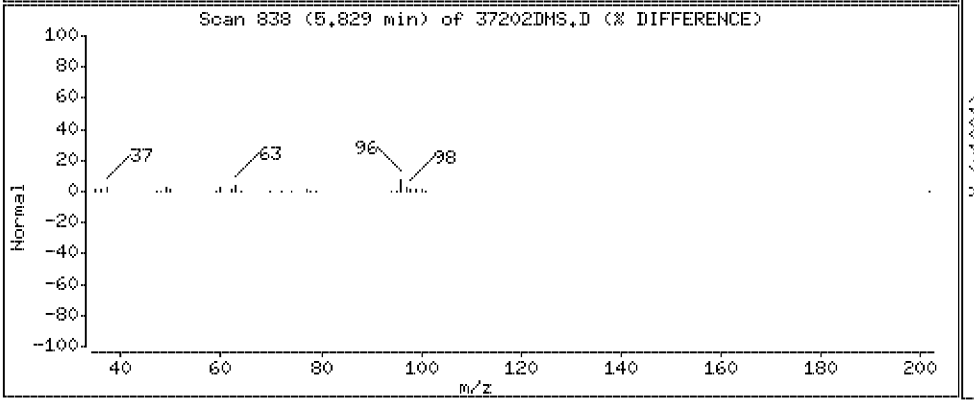
29 cis-1,2-Dichloroethene

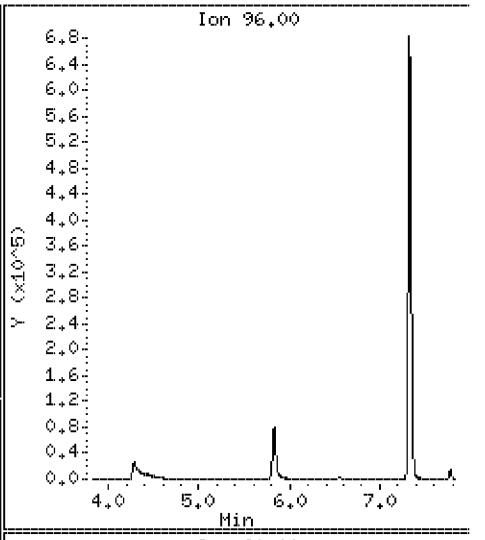
Concentration: 228 ug/l

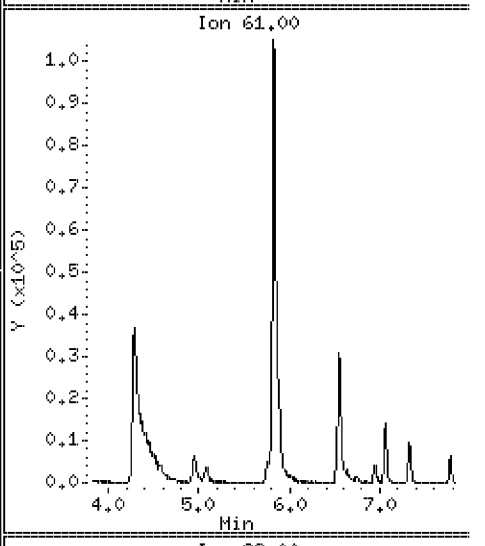


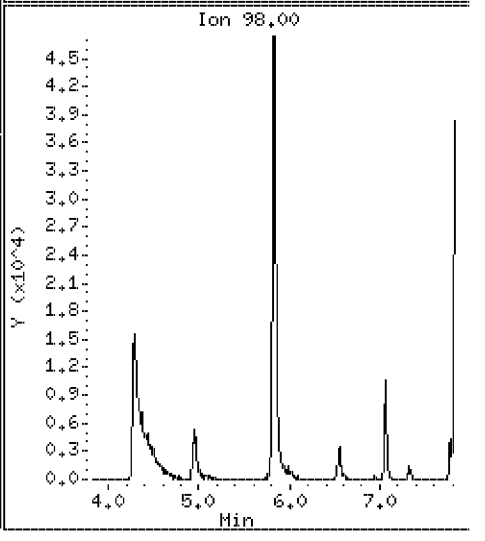












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

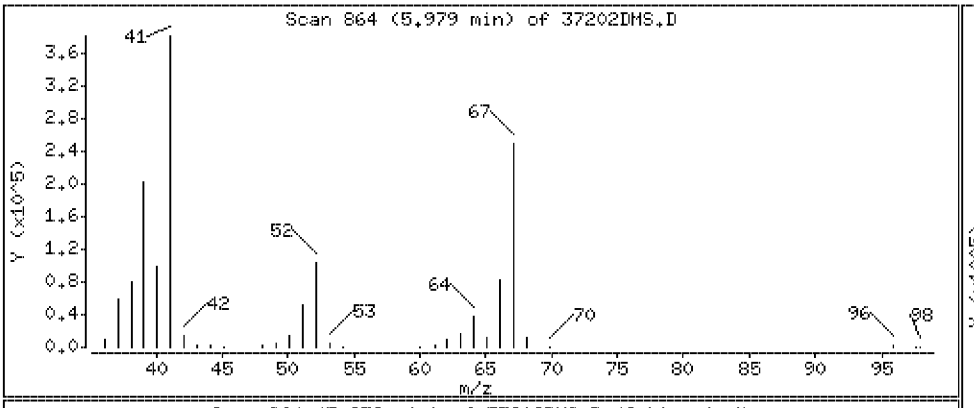
Operator:

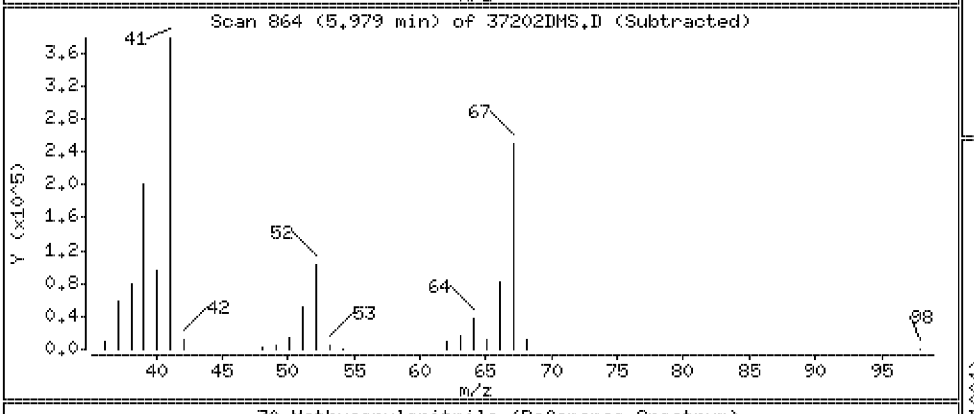
Column phase: DB-624

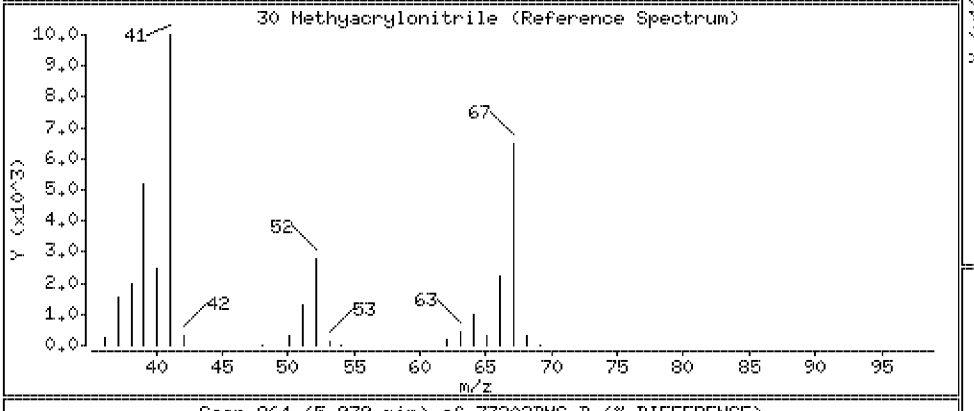
Column diameter: 0.18

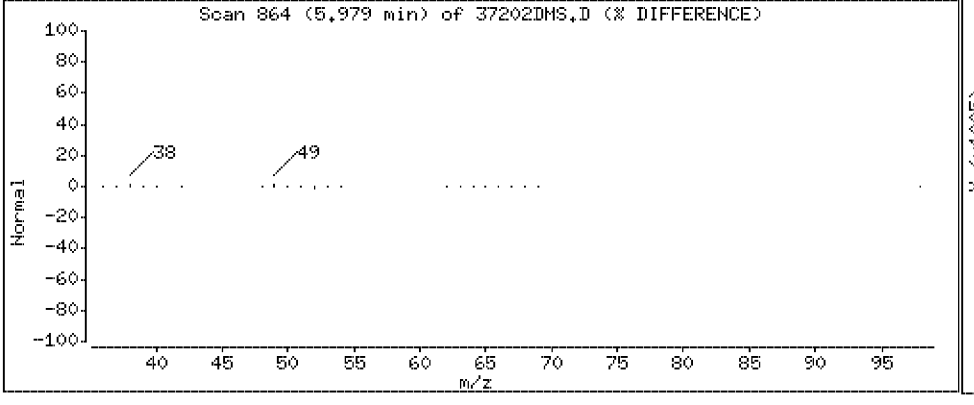
30 Methyacrylonitrile

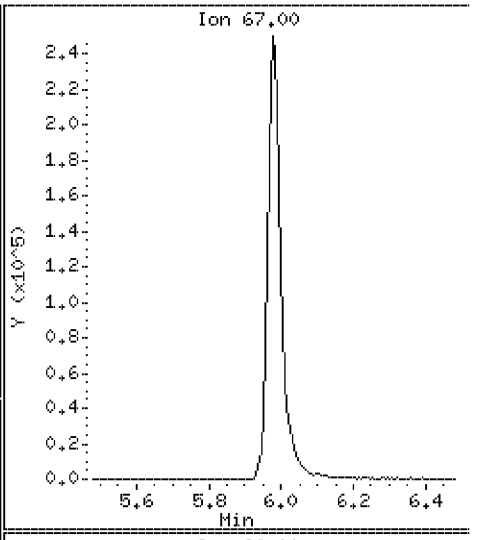
Concentration: 1730 ug/l

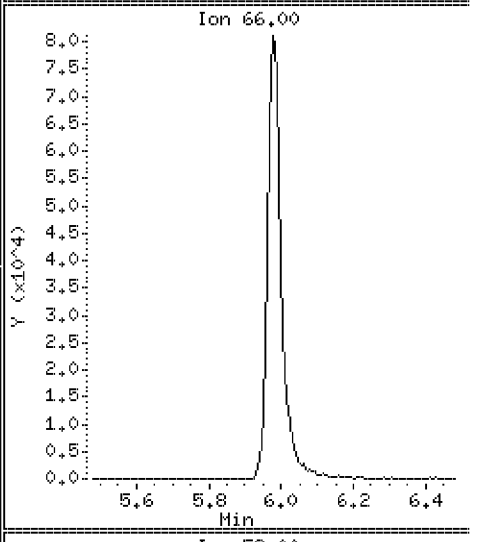


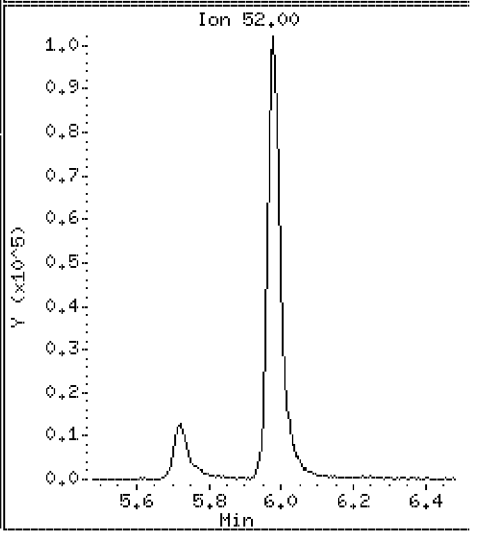












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

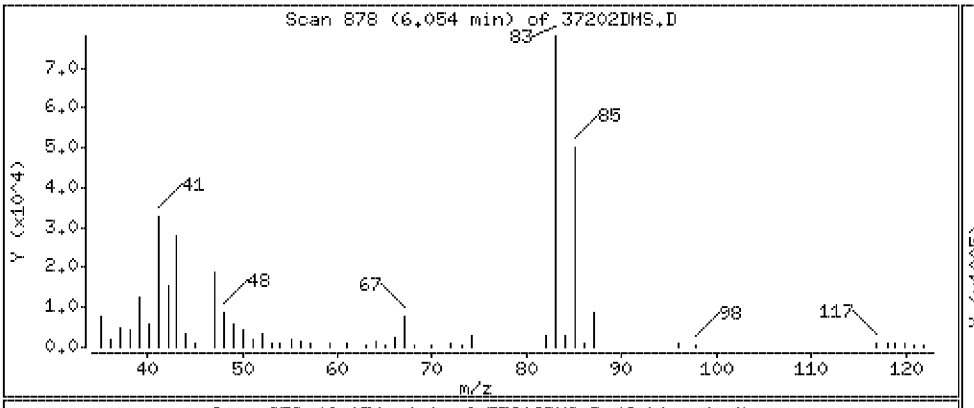
Operator:

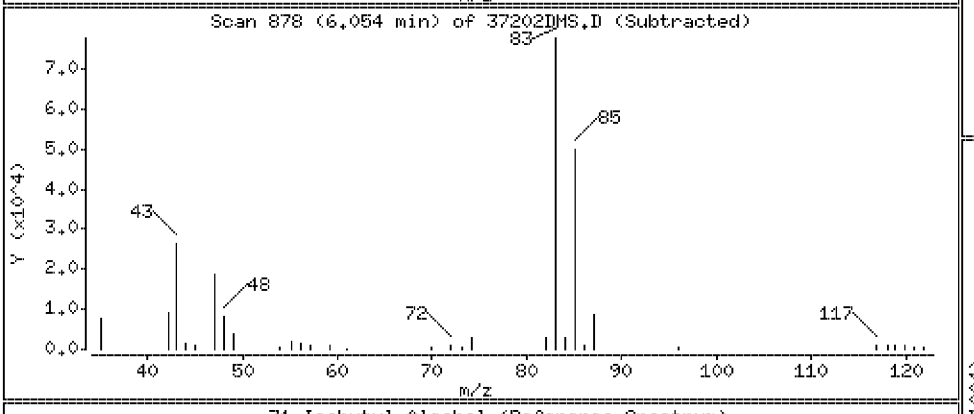
Column phase: DB-624

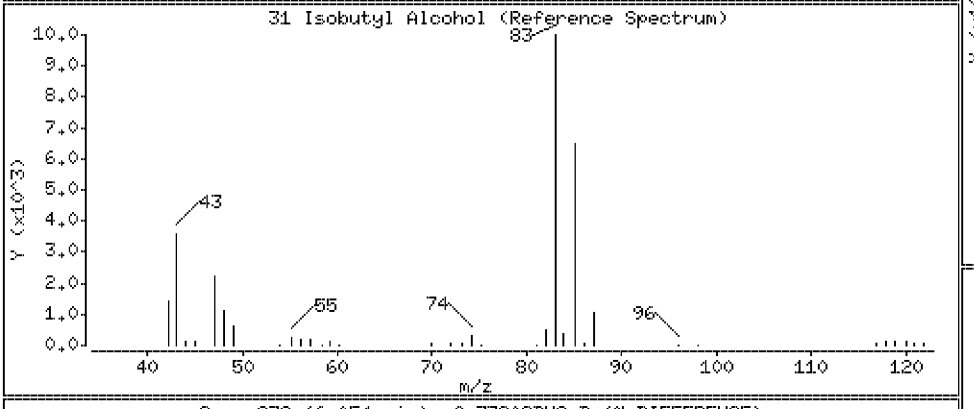
Column diameter: 0.18

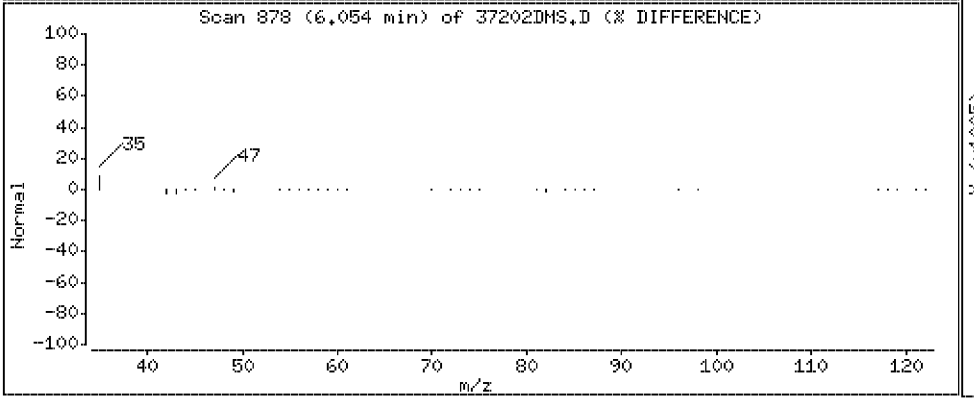
31 Isobutyl Alcohol

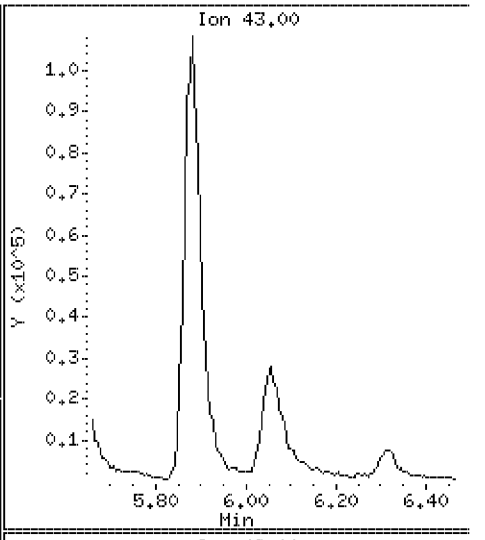
Concentration: 2860 ug/l

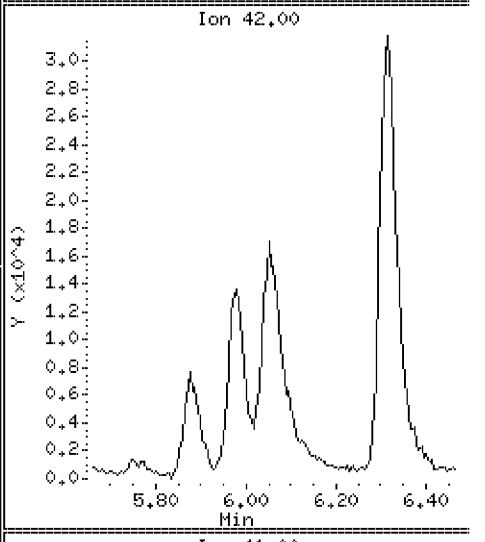


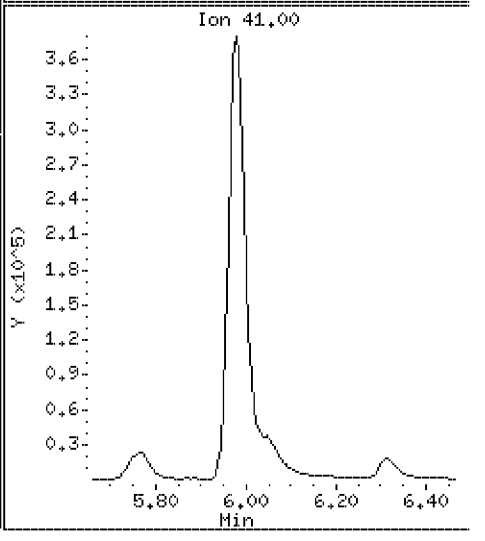












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

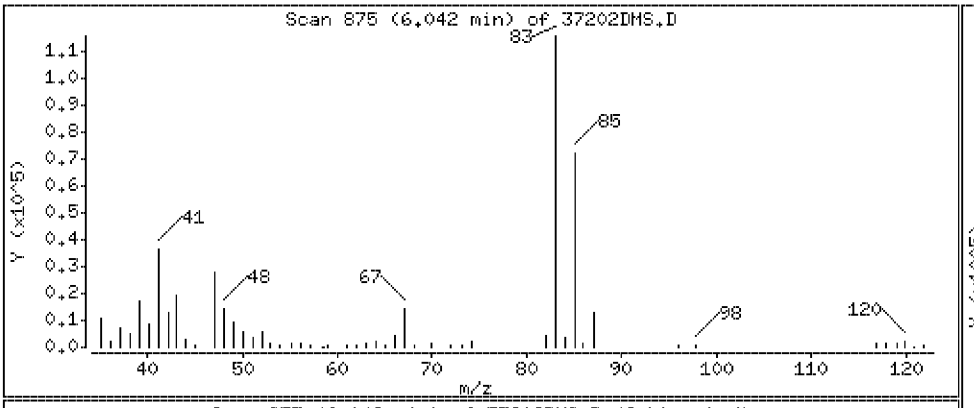
Operator:

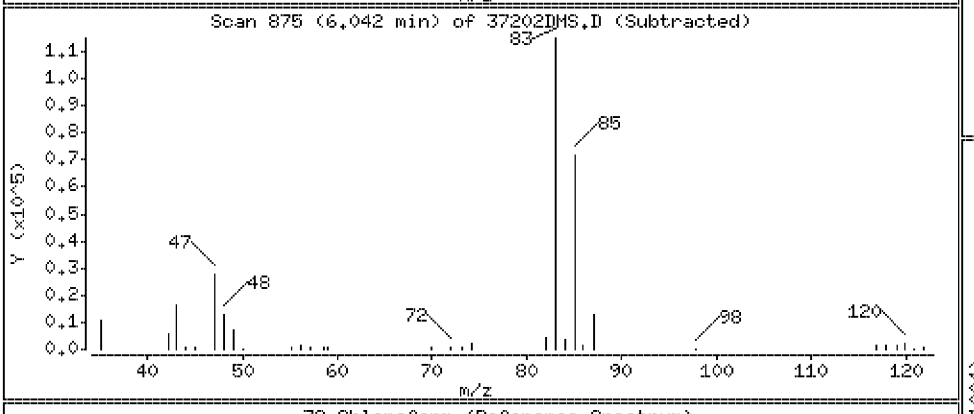
Column phase: DB-624

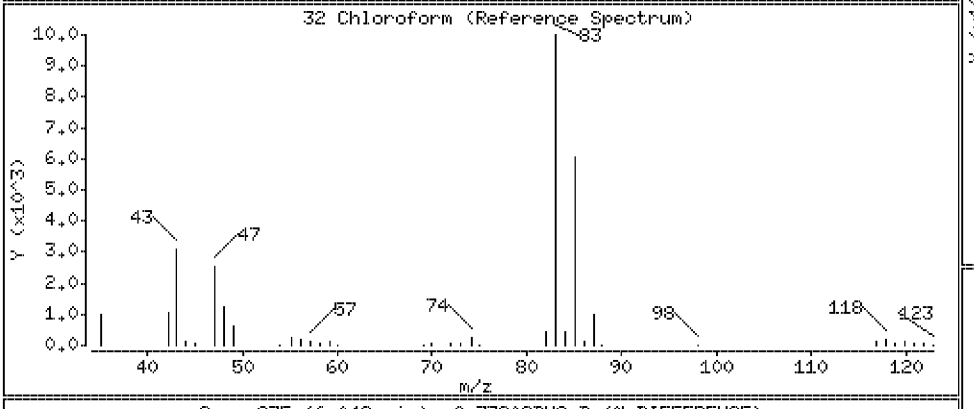
Column diameter: 0.18

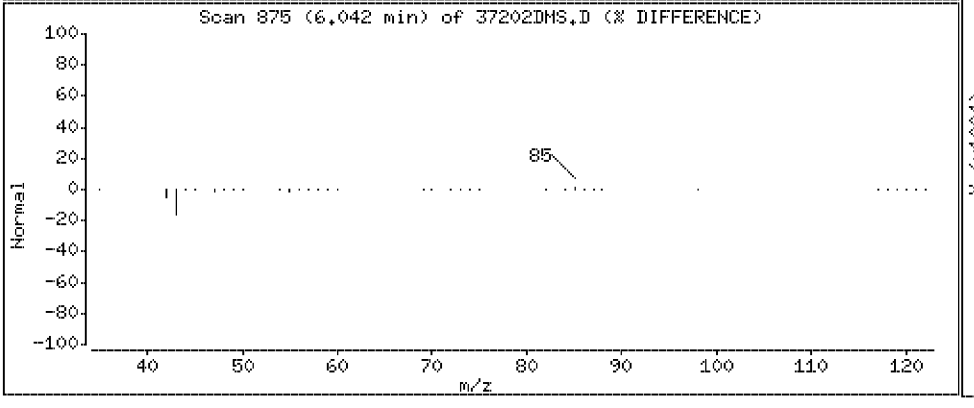
32 Chloroform

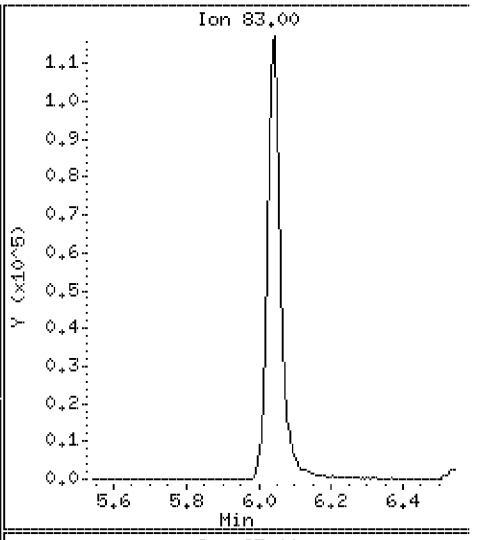
Concentration: 195 ug/l

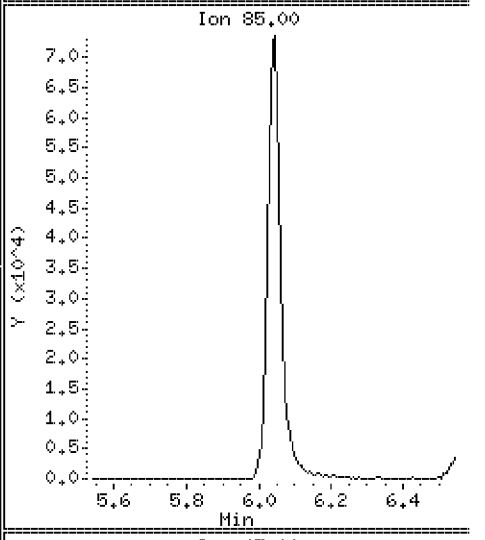


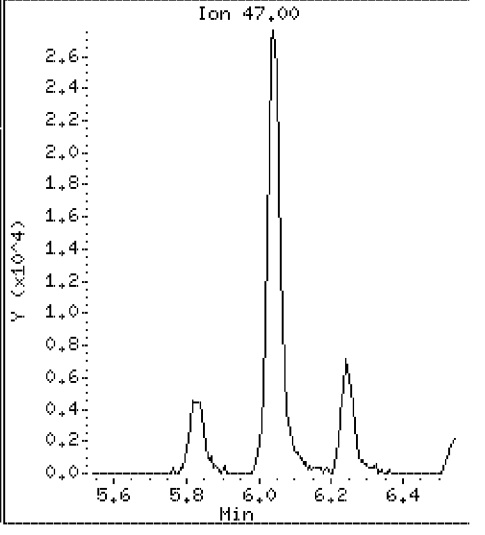












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

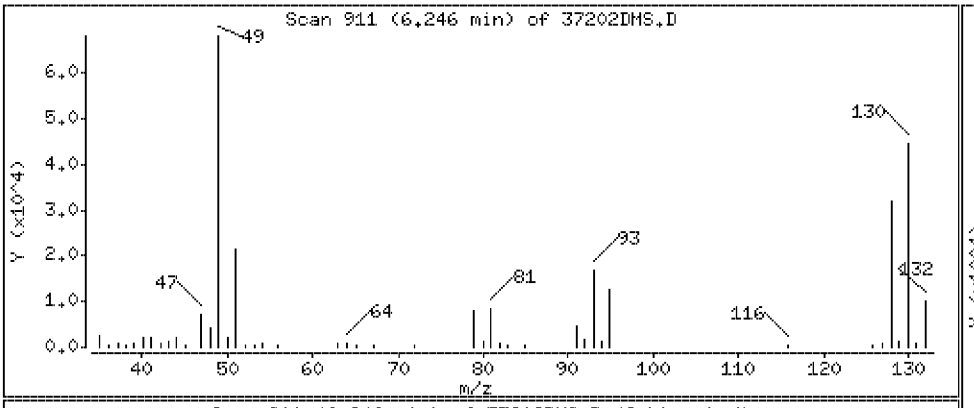
Operator:

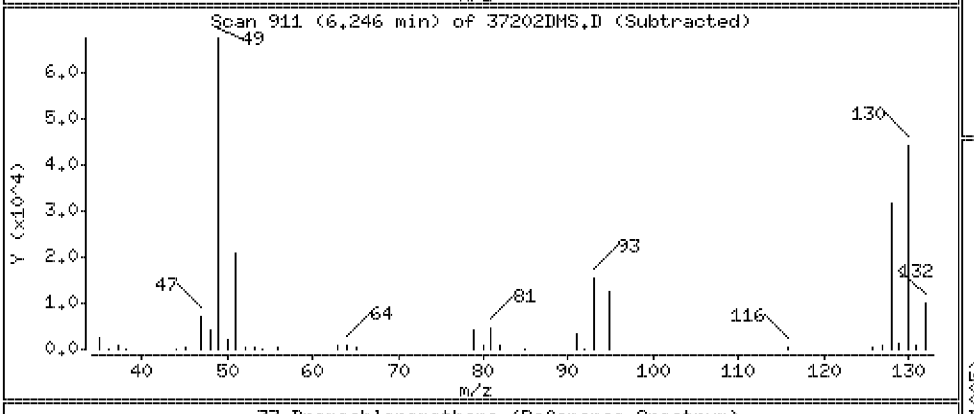
Column phase: DB-624

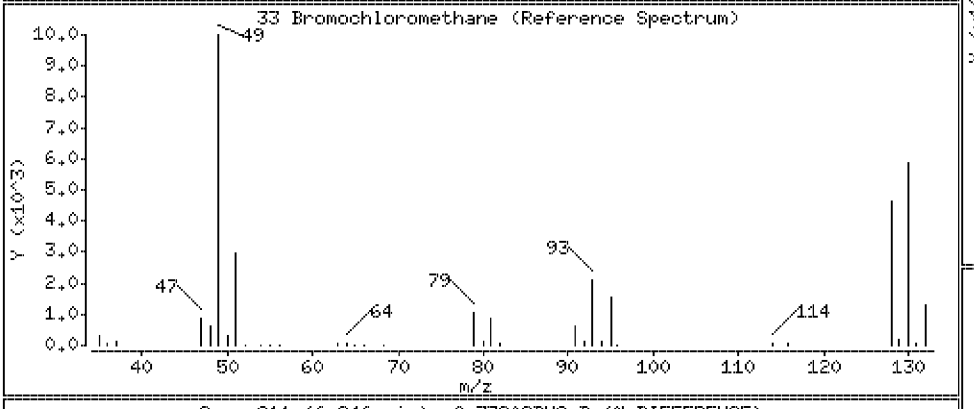
Column diameter: 0.18

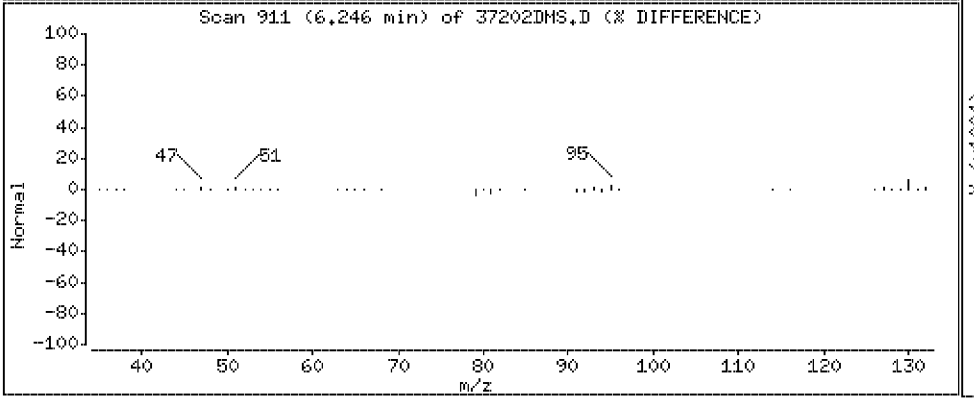
33 Bromochloromethane

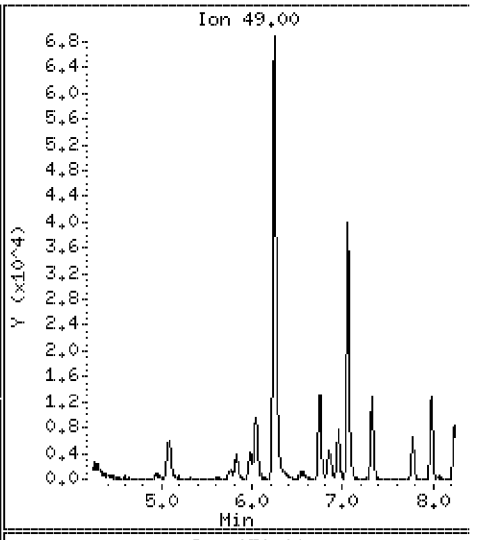
Concentration: 185 ug/l

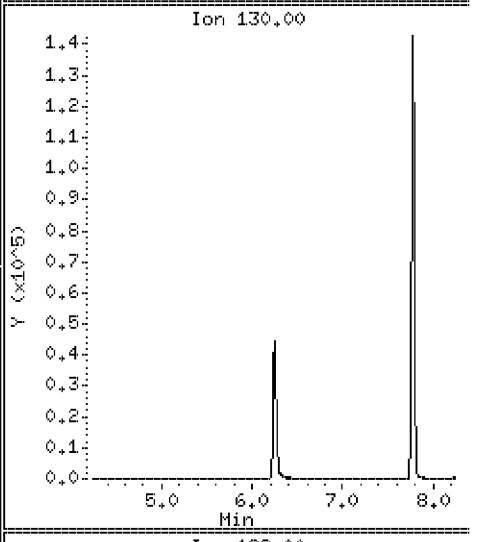


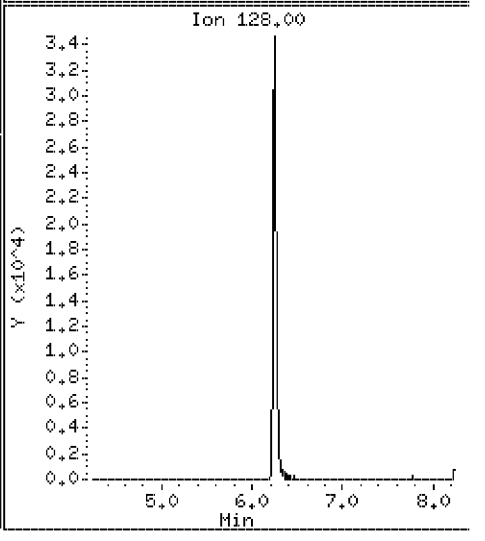












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

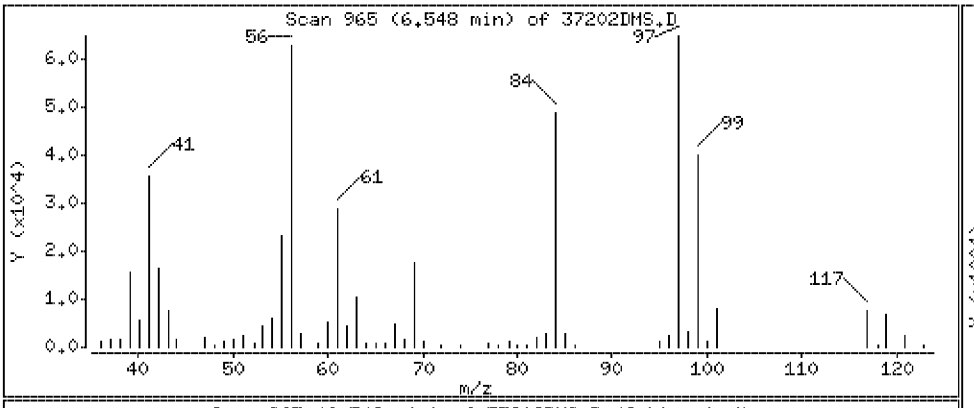
Operator:

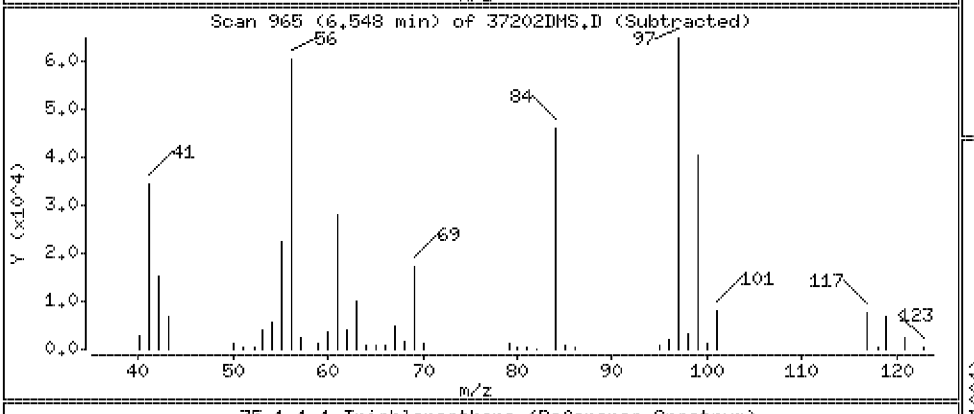
Column phase: DB-624

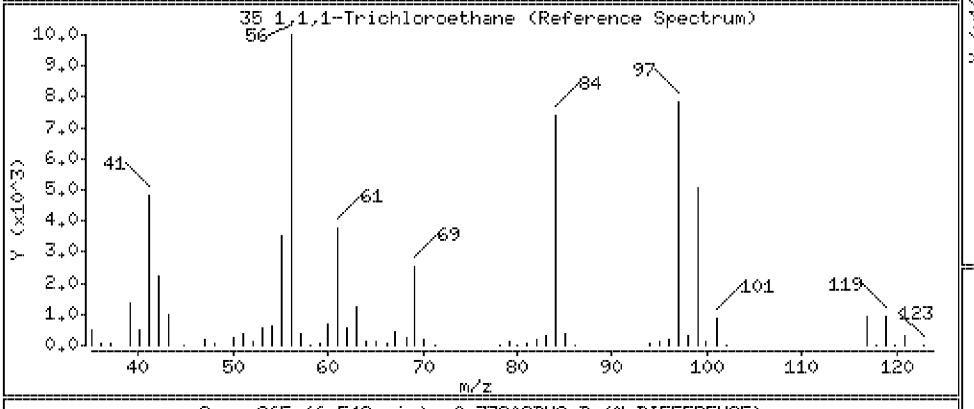
Column diameter: 0.18

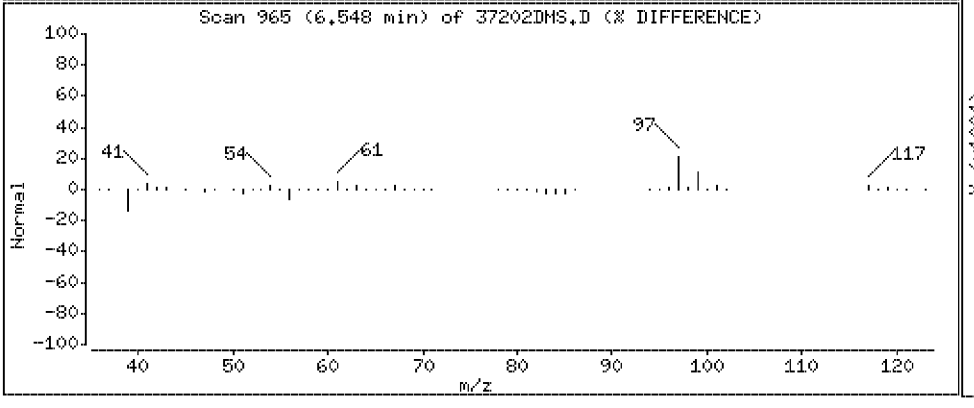
35 1,1,1-Trichloroethane

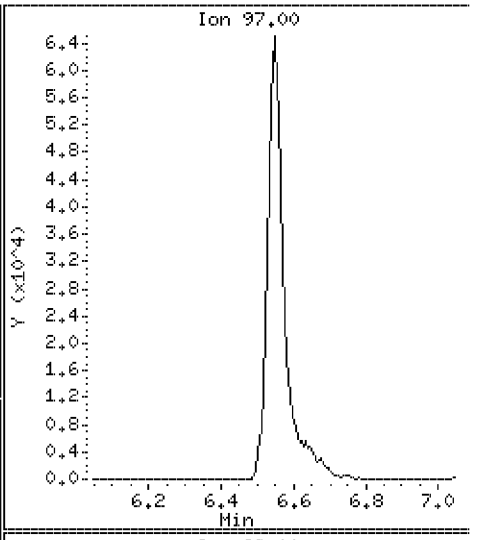
Concentration: 212 ug/l

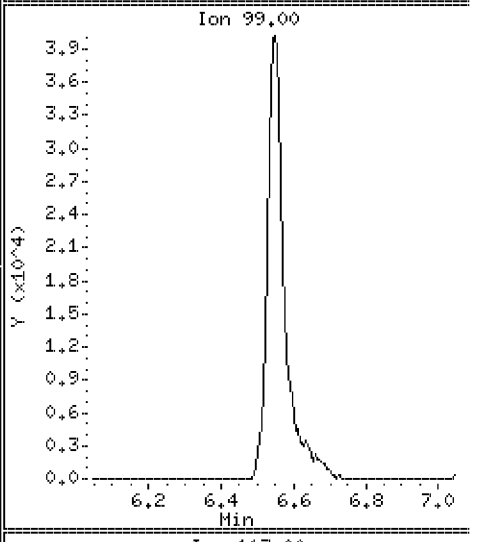


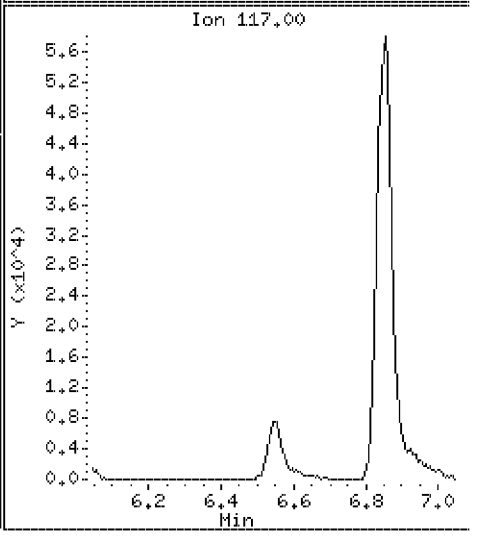












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

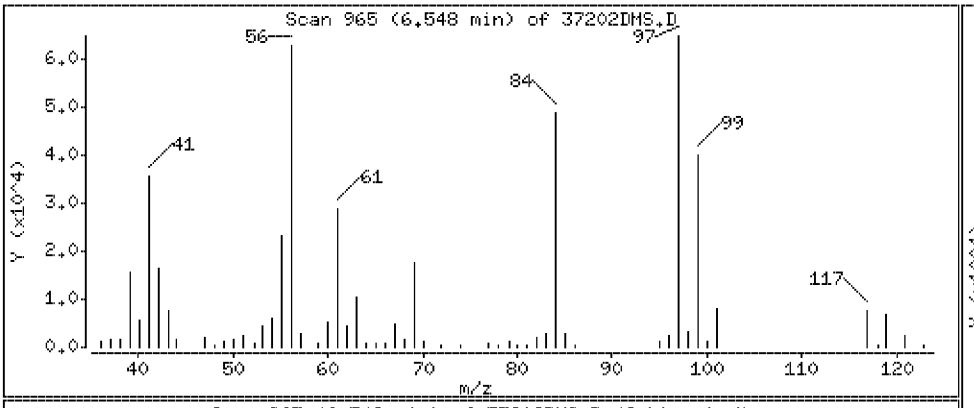
Operator:

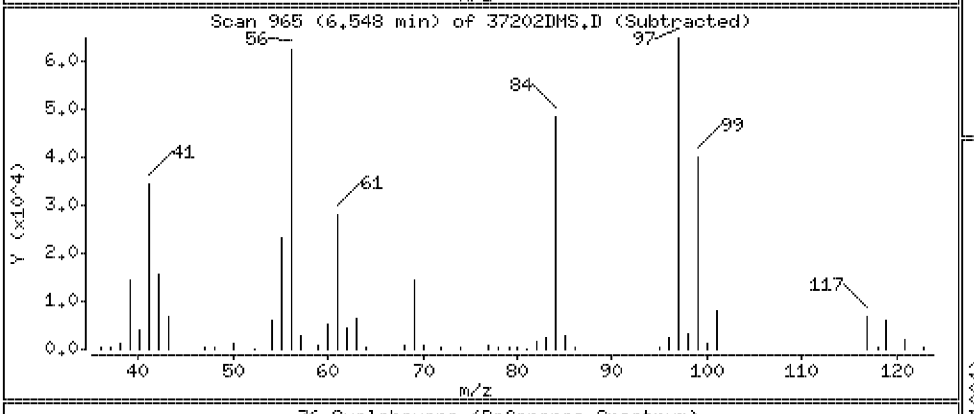
Column phase: DB-624

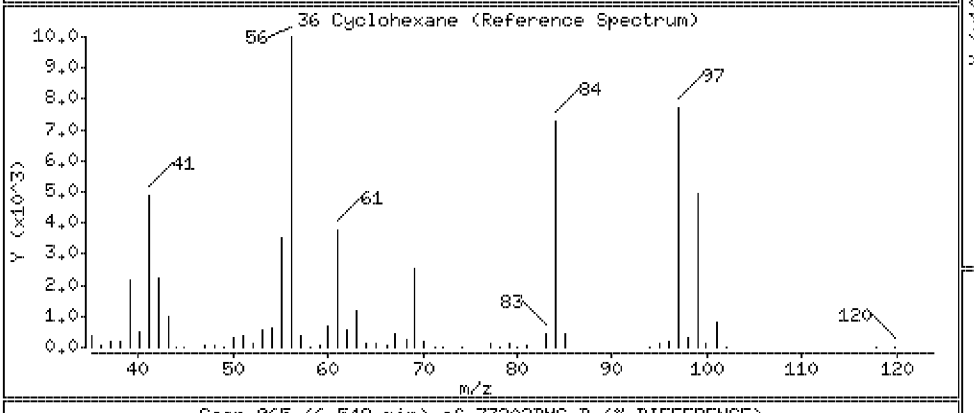
Column diameter: 0.18

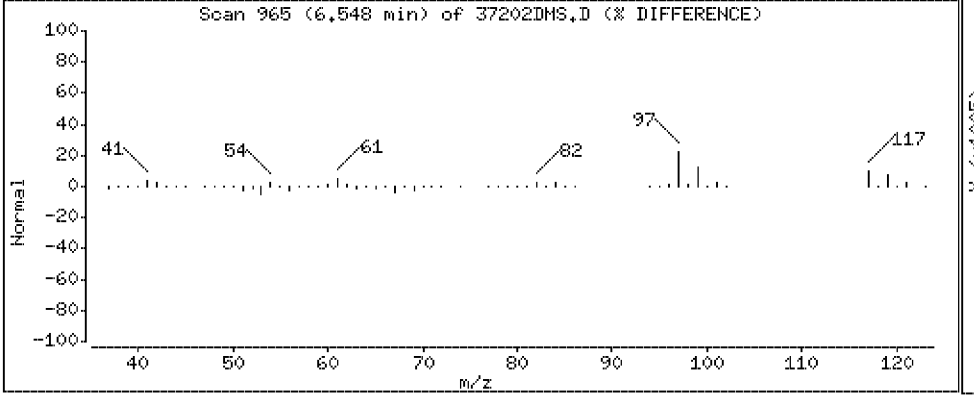
36 Cyclohexane

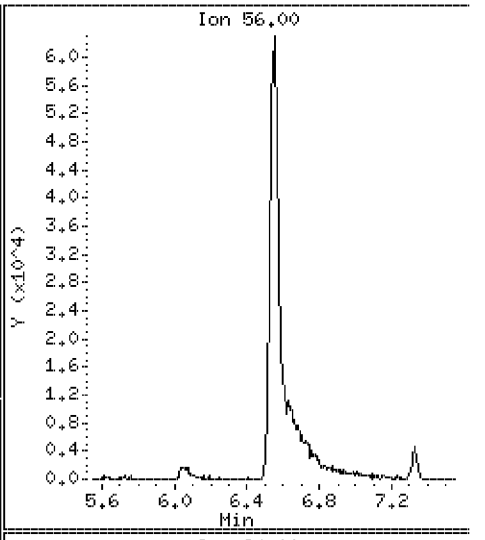
Concentration: 189 ug/l

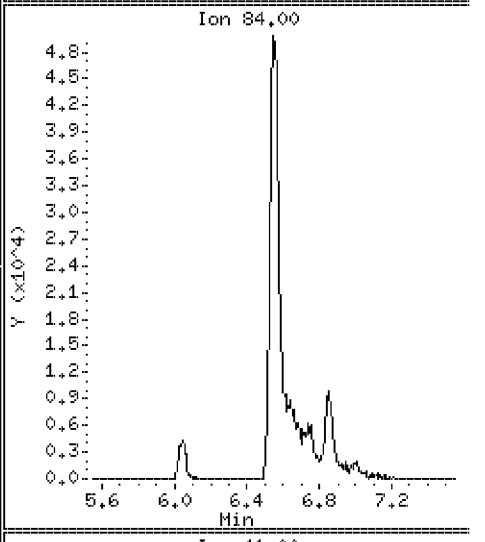


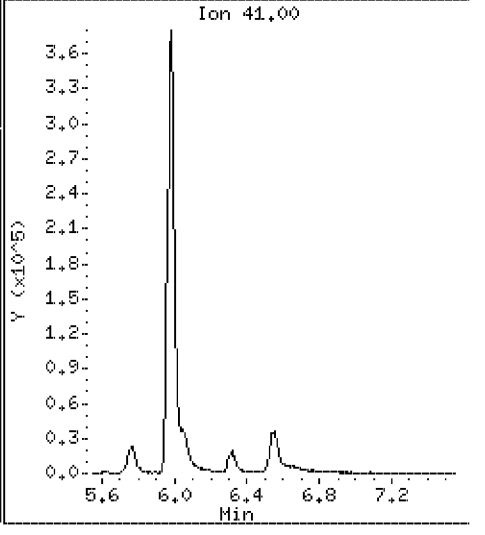












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

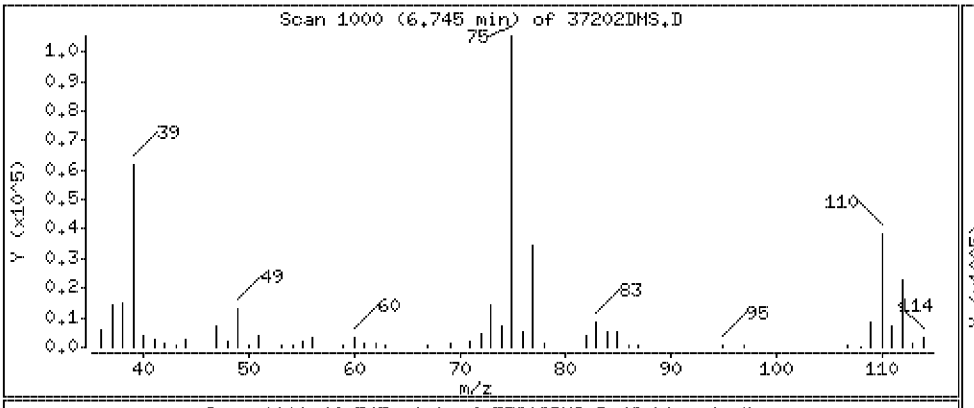
Operator:

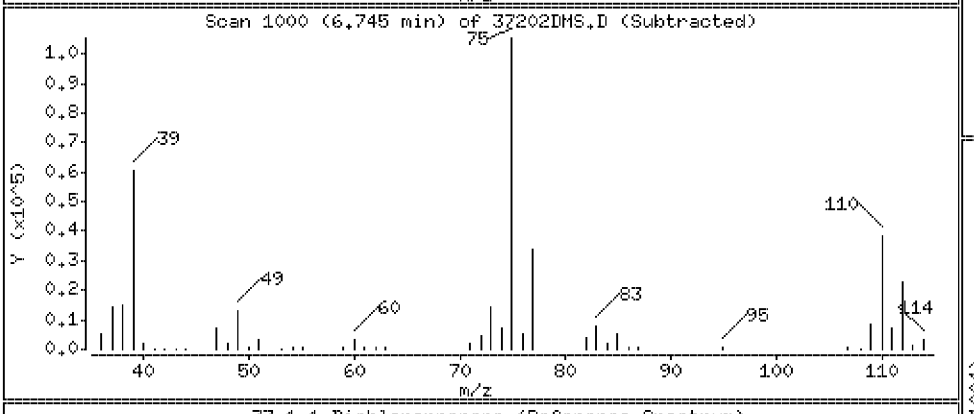
Column phase: DB-624

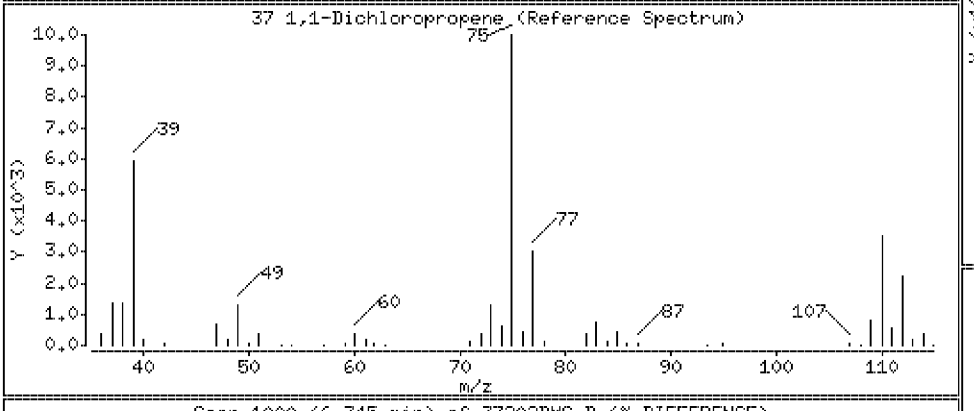
Column diameter: 0.18

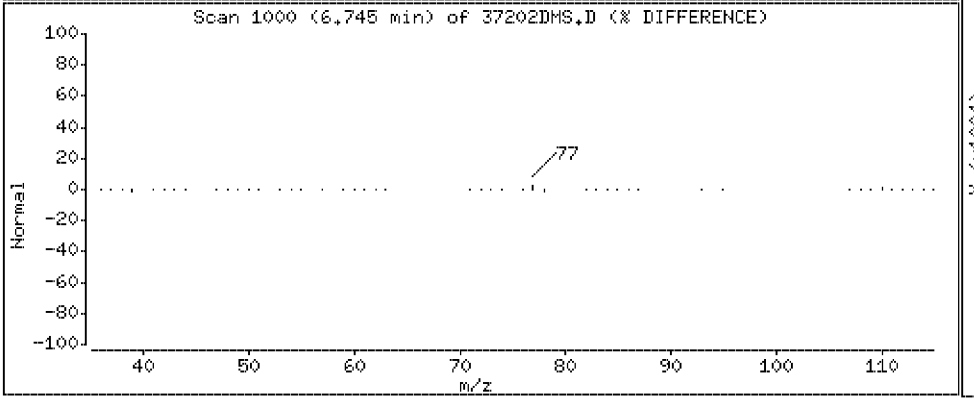
37 1,1-Dichloropropene

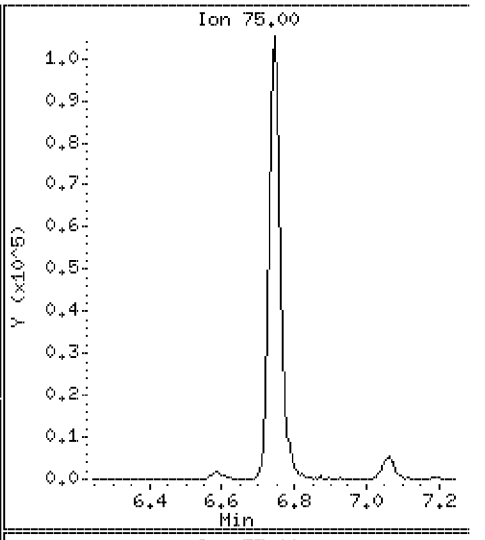
Concentration: 200 ug/l

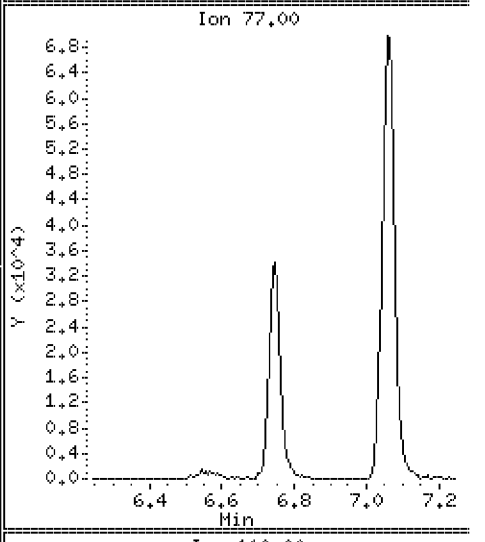


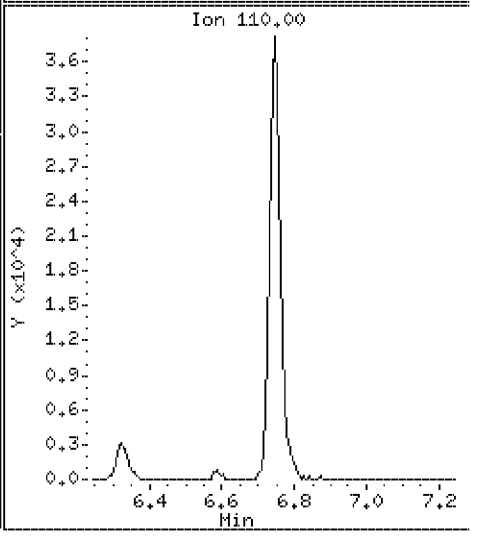












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

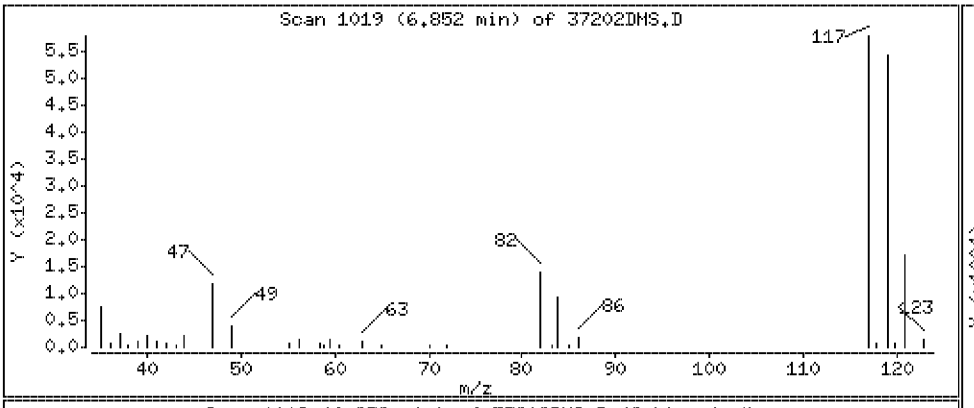
Operator:

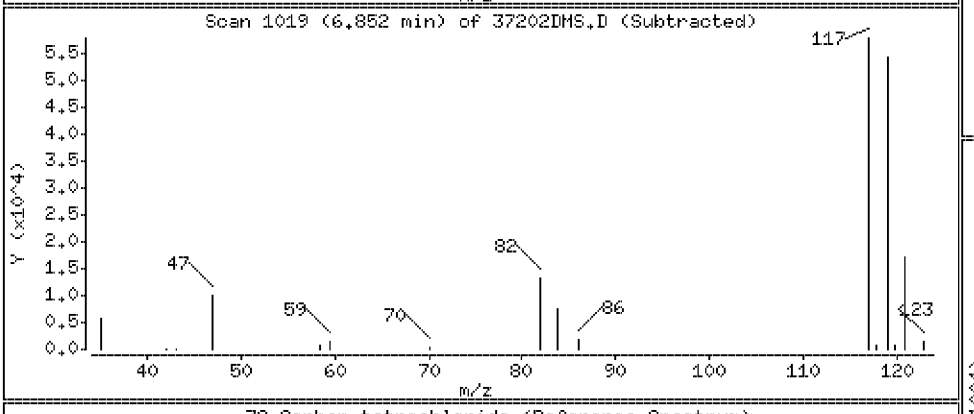
Column phase: DB-624

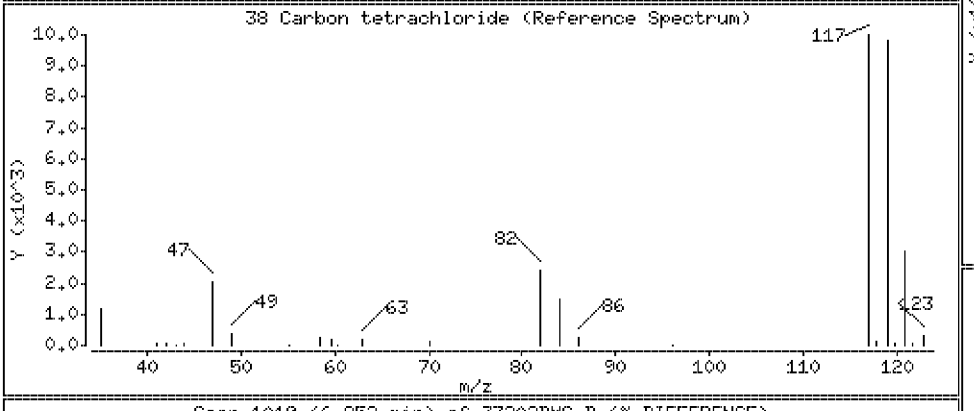
Column diameter: 0.18

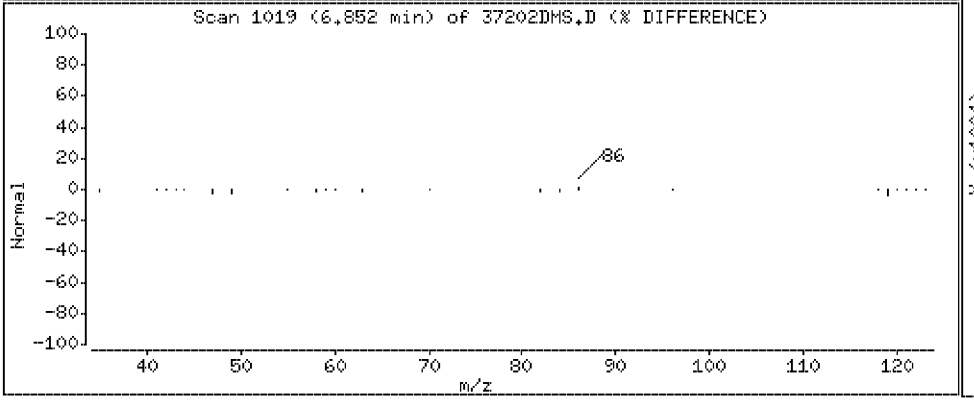
38 Carbon tetrachloride

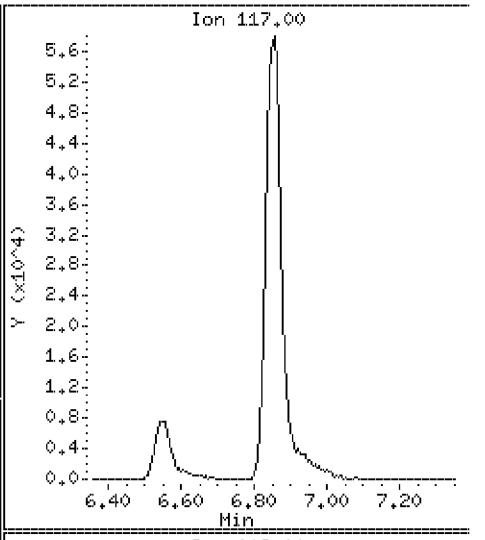
Concentration: 216 ug/l

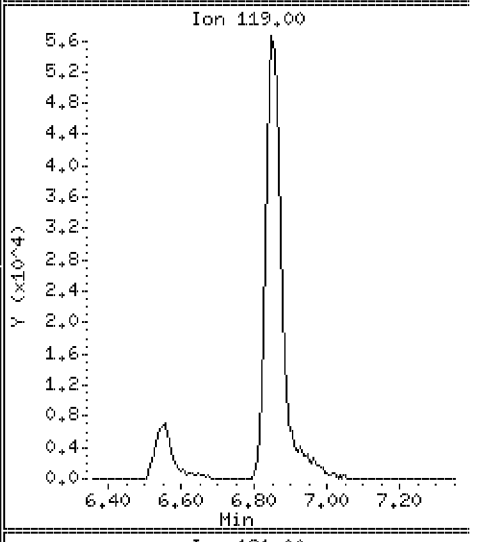


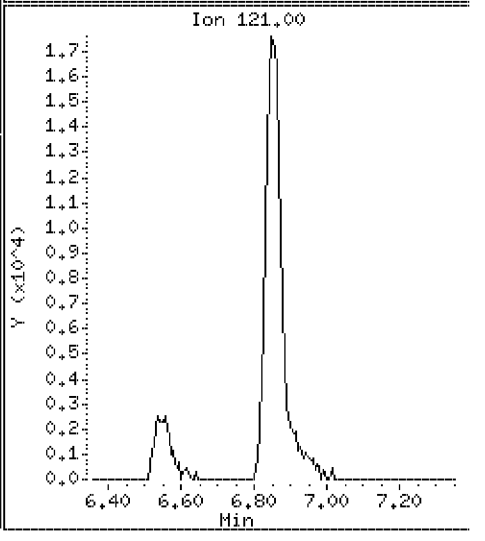












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

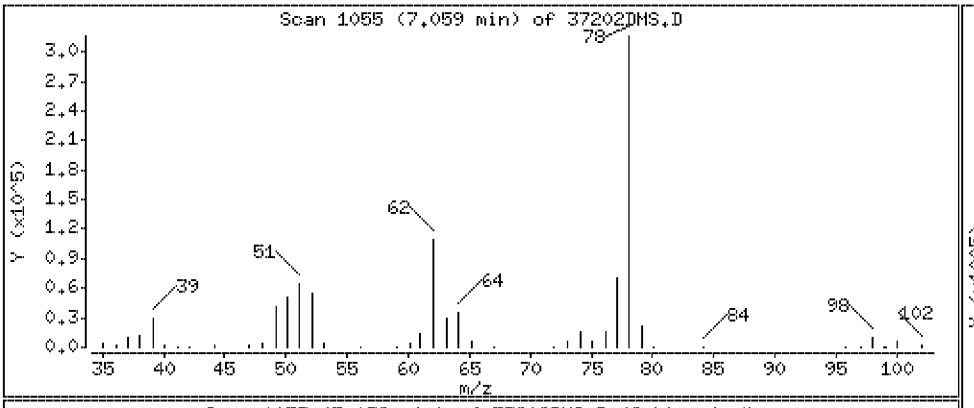
Operator:

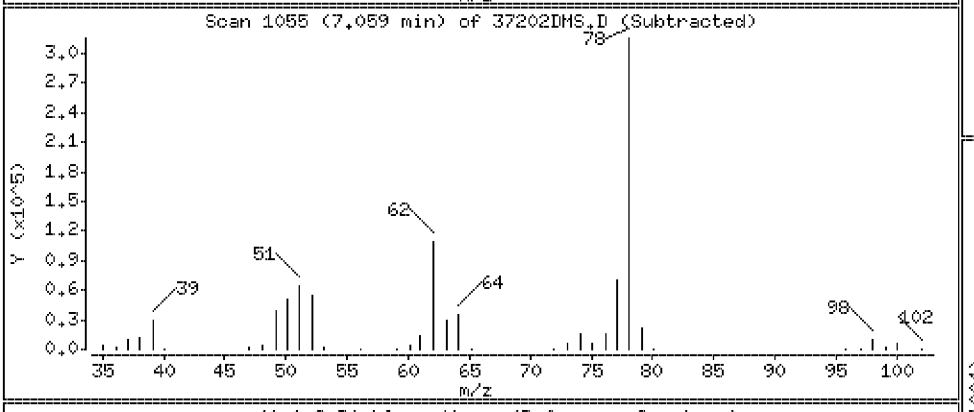
Column phase: DB-624

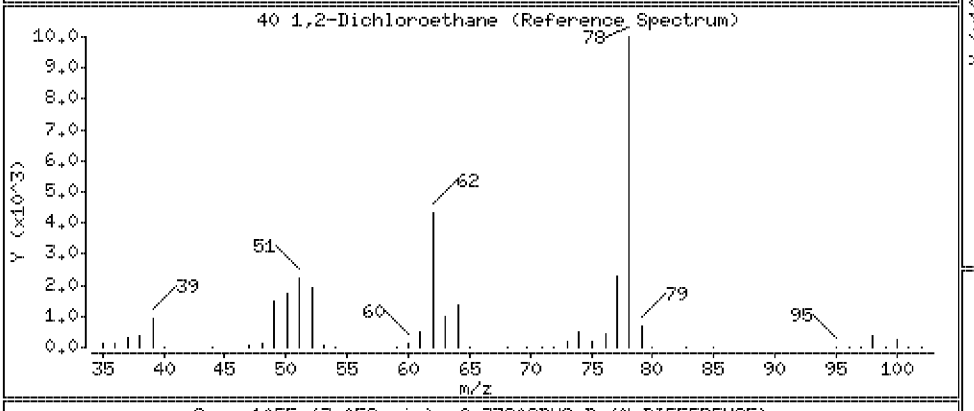
Column diameter: 0.18

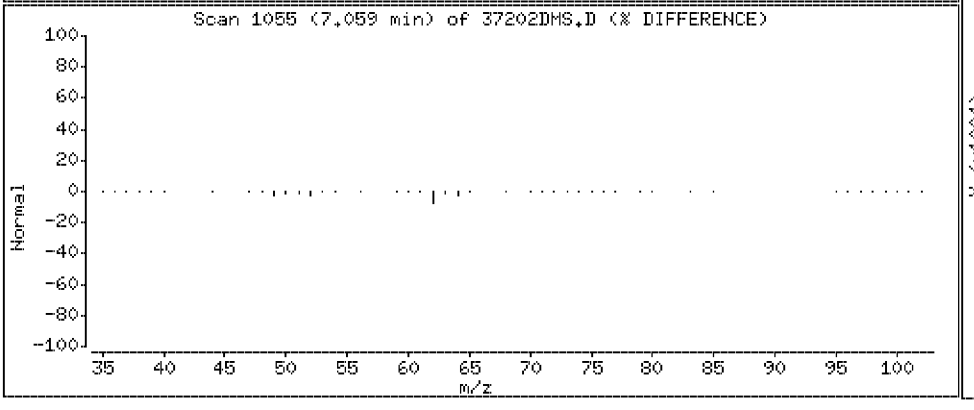
40 1,2-Dichloroethane

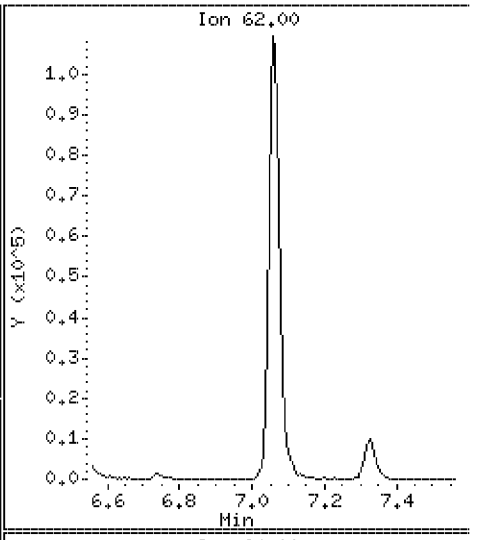
Concentration: 187 ug/l

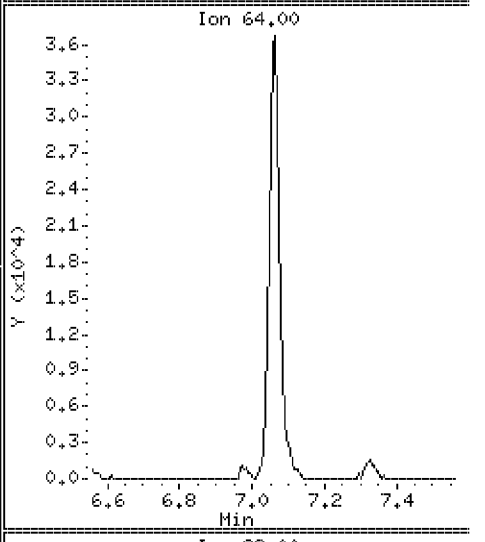


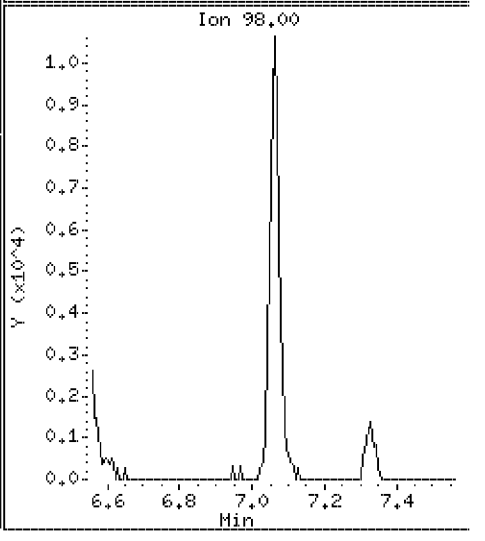












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

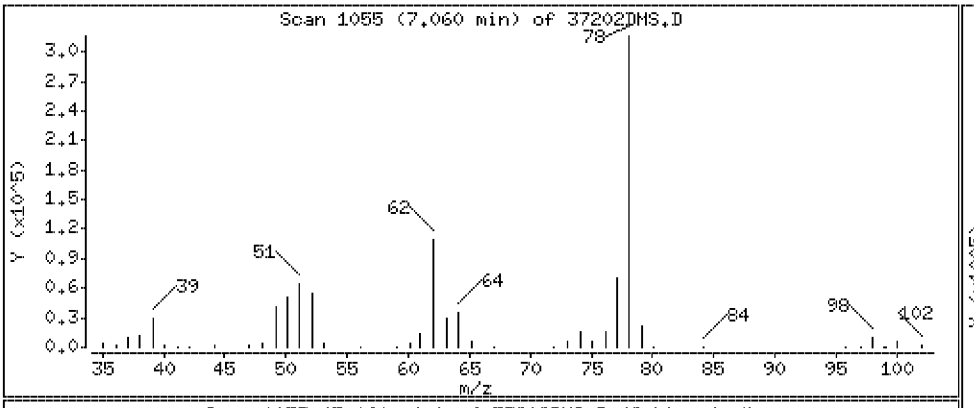
Operator:

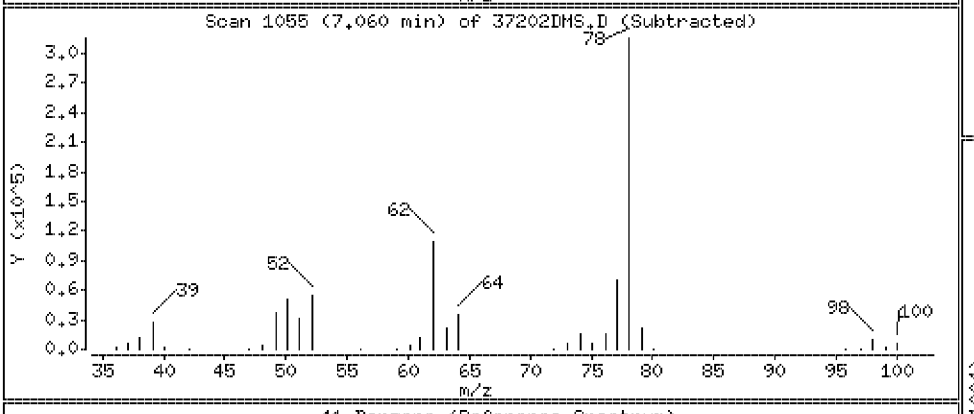
Column phase: DB-624

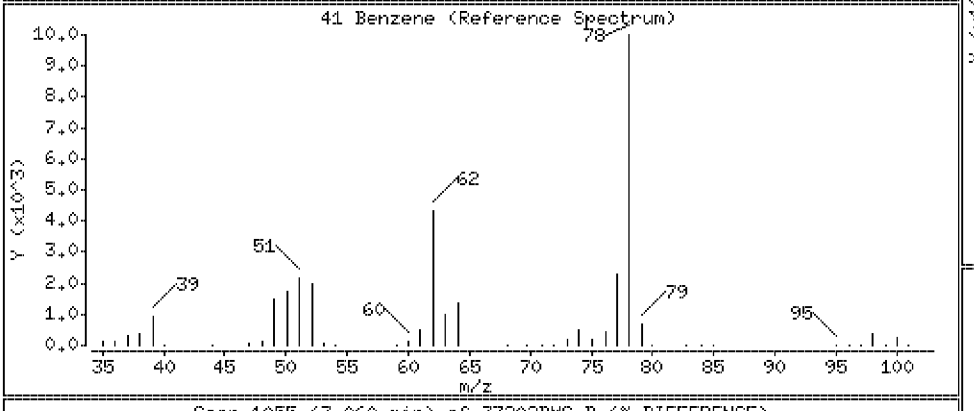
Column diameter: 0.18

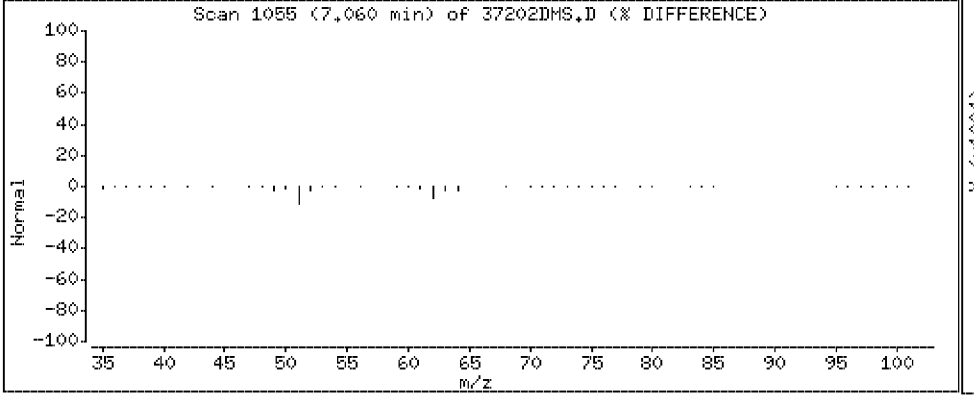
41 Benzene

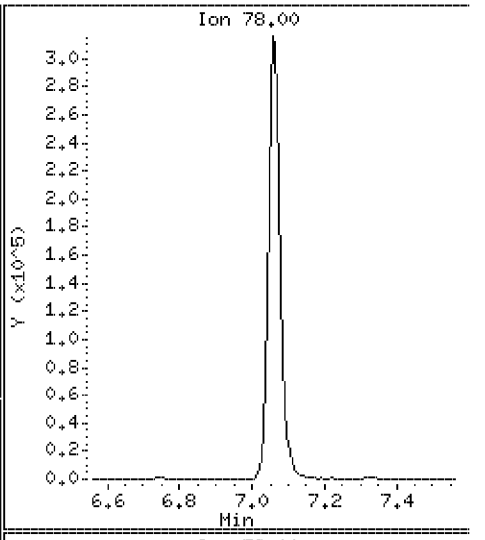
Concentration: 189 ug/l

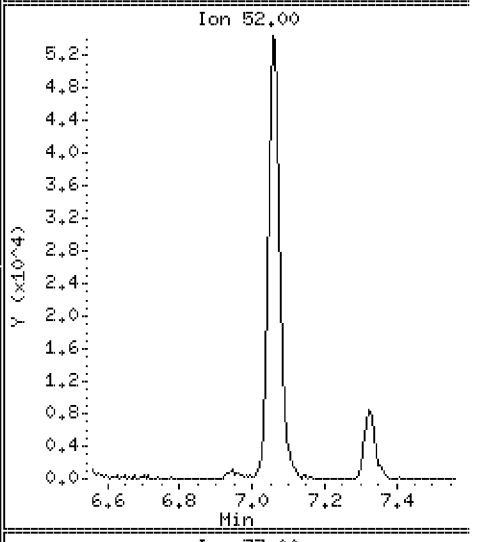


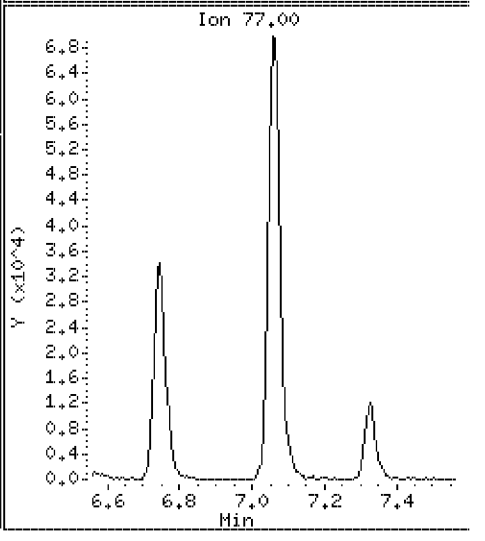












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

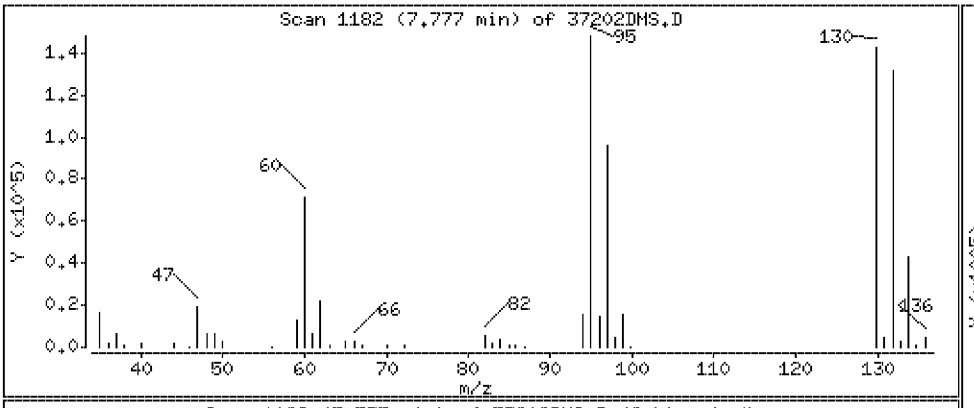
Operator:

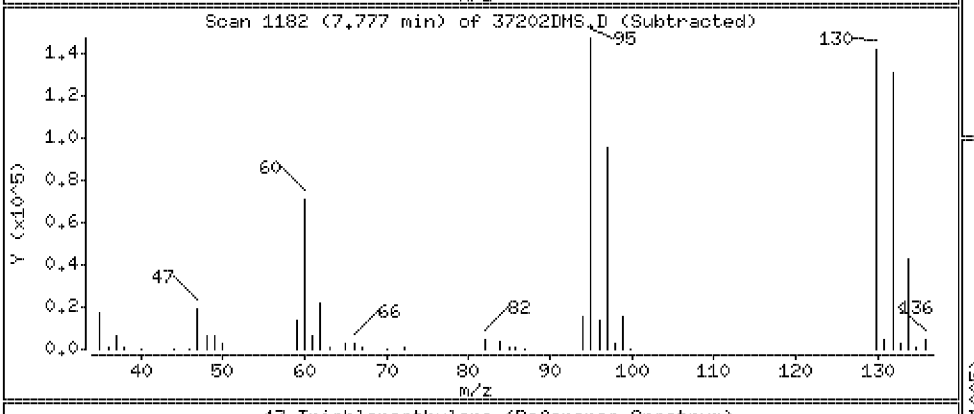
Column phase: DB-624

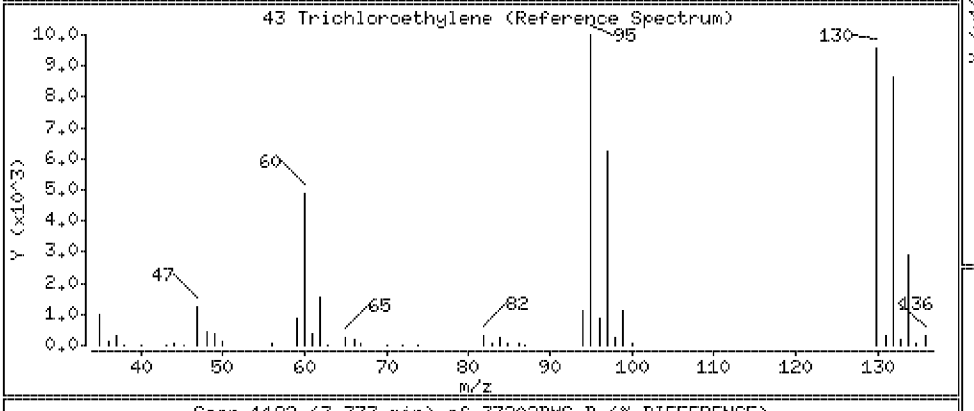
Column diameter: 0.18

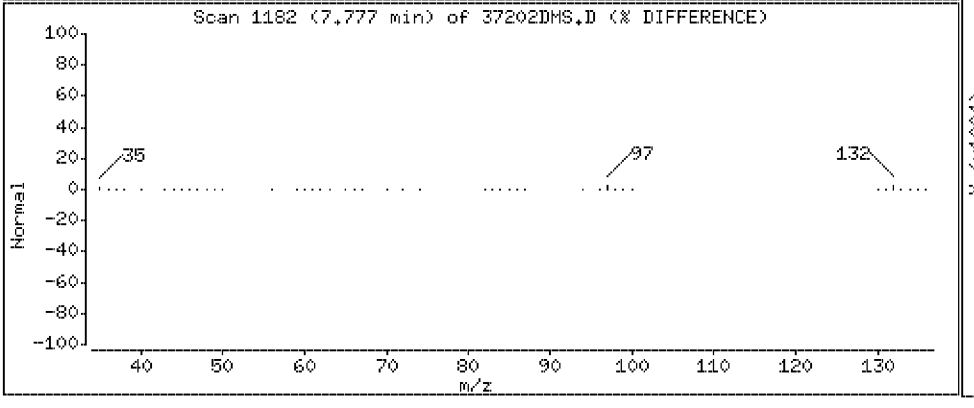
43 Trichloroethylene

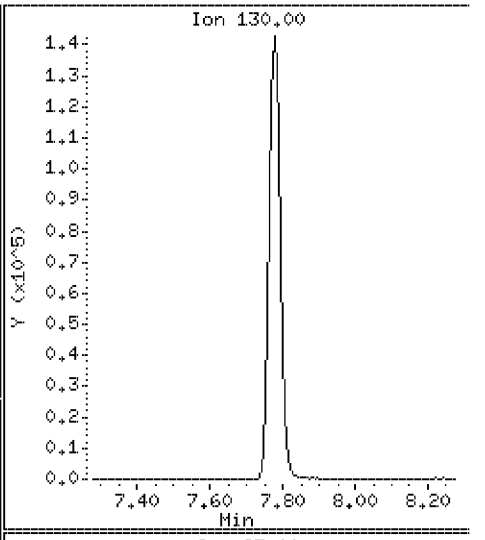
Concentration: 340 ug/l

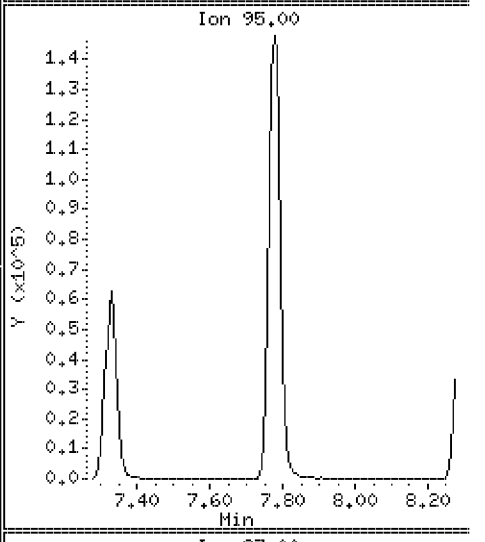


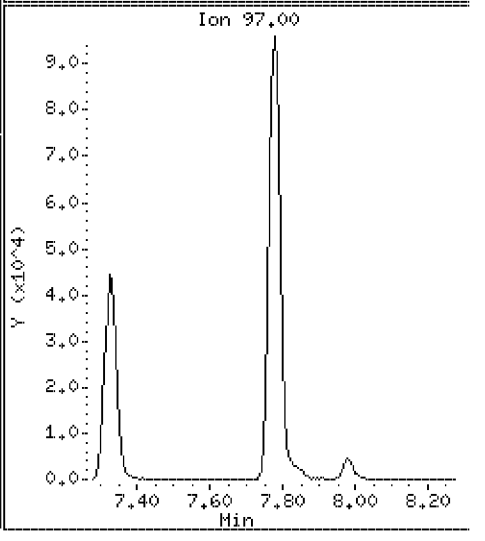












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

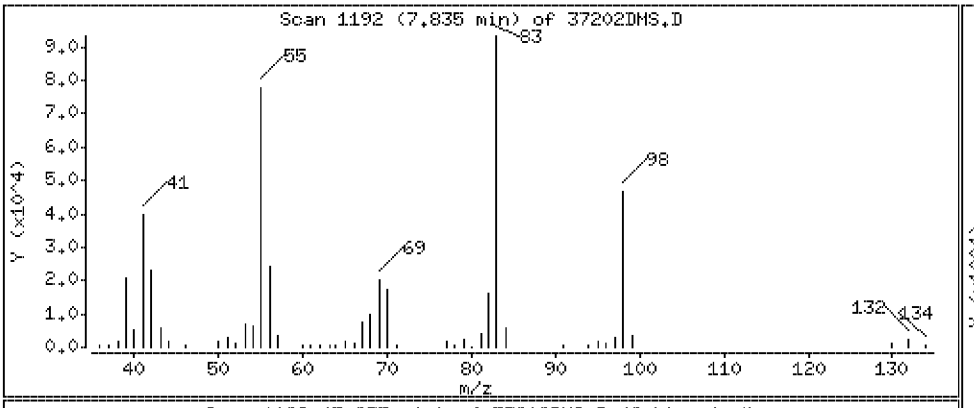
Operator:

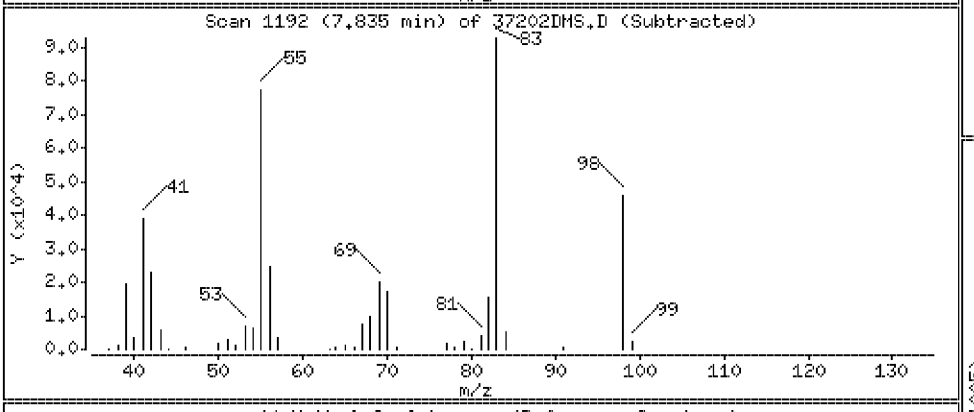
Column phase: DB-624

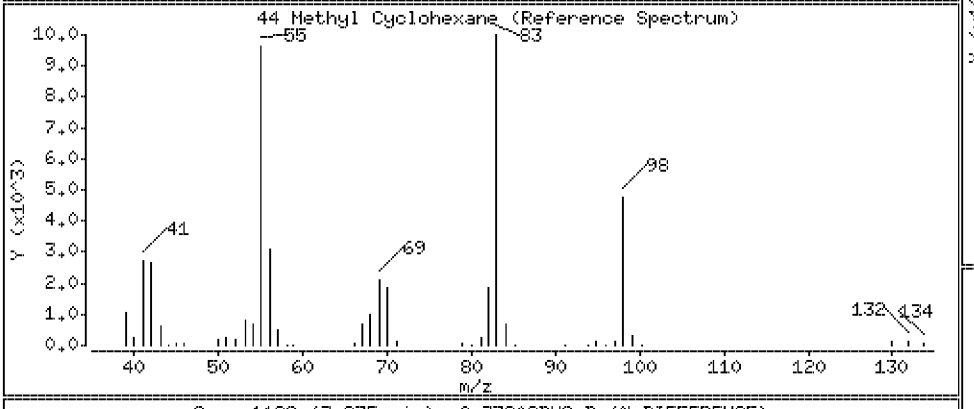
Column diameter: 0.18

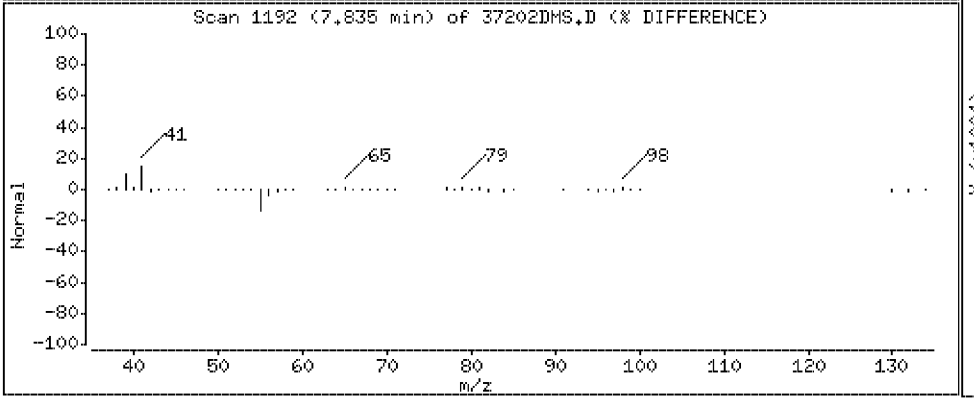
44 Methyl Cyclohexane

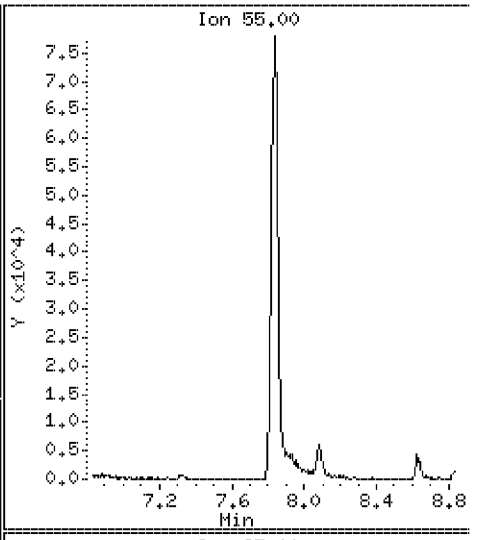
Concentration: 193 ug/l

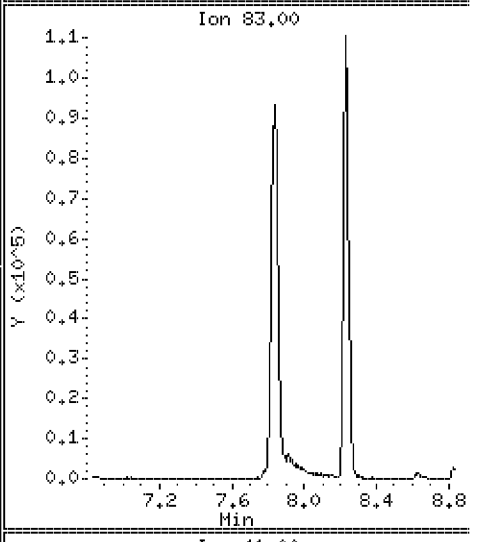


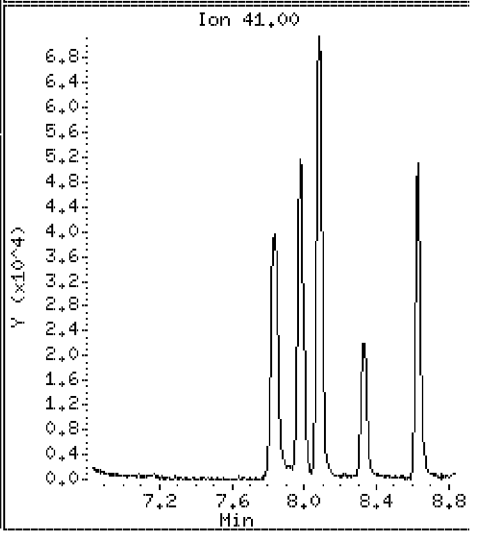












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

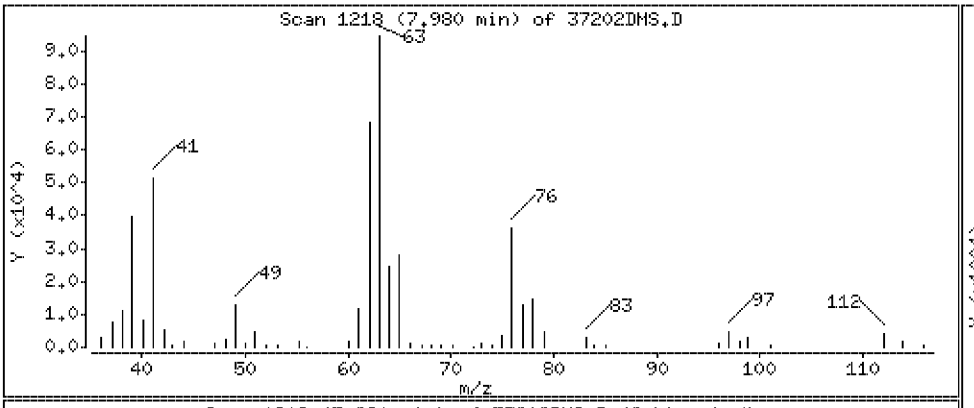
Operator:

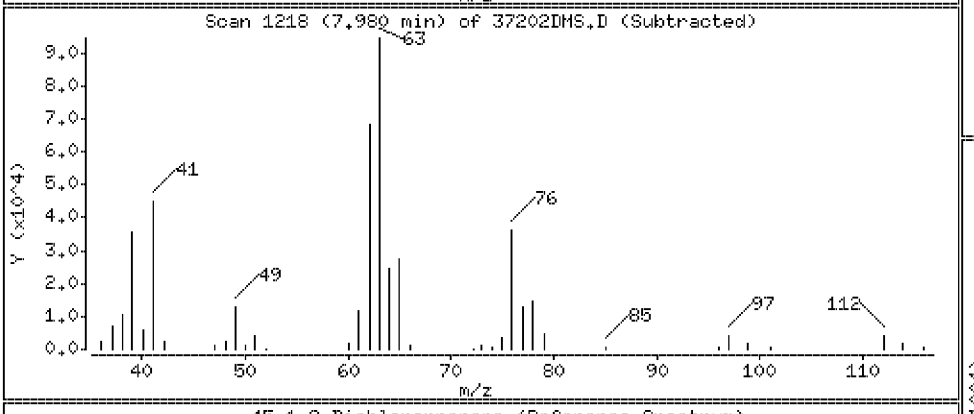
Column phase: DB-624

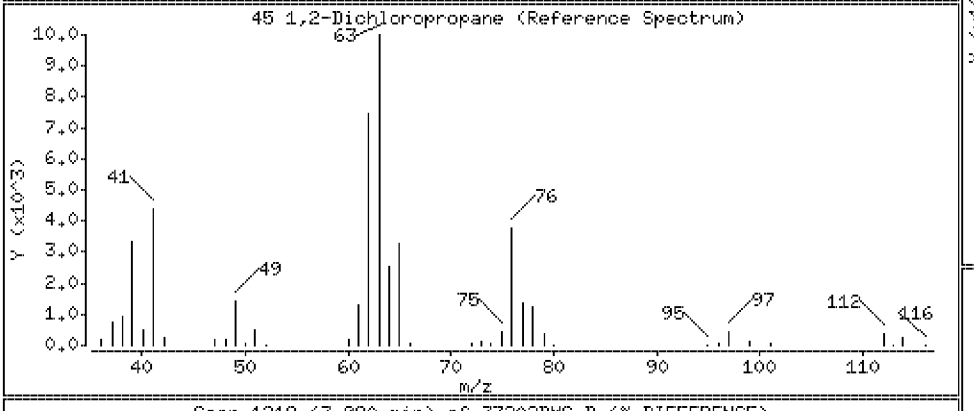
Column diameter: 0.18

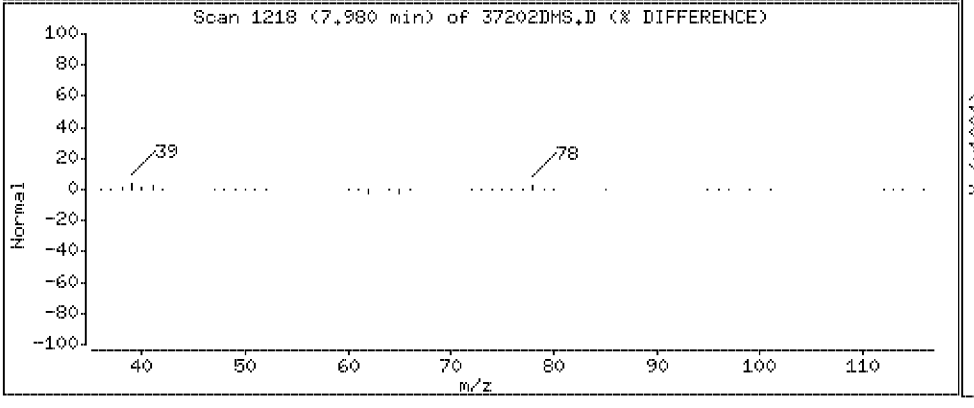
45 1,2-Dichloropropane

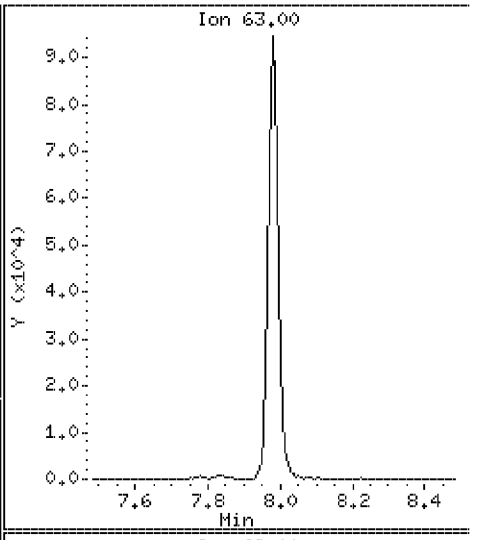
Concentration: 194 ug/l

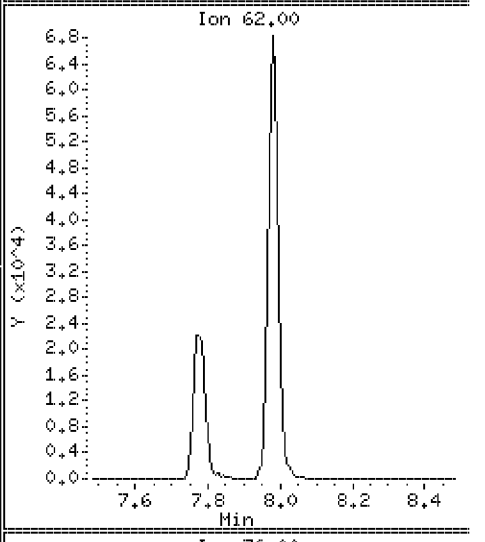


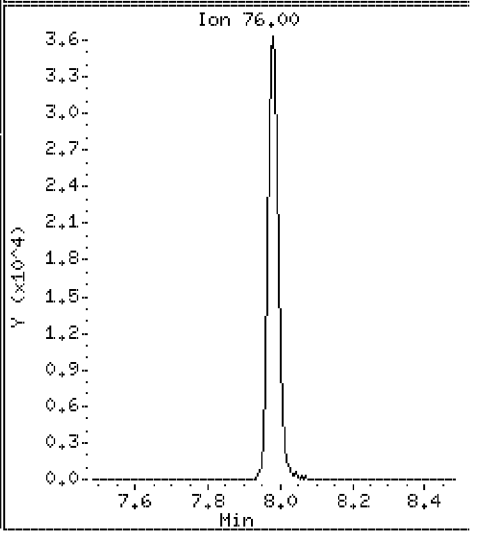












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

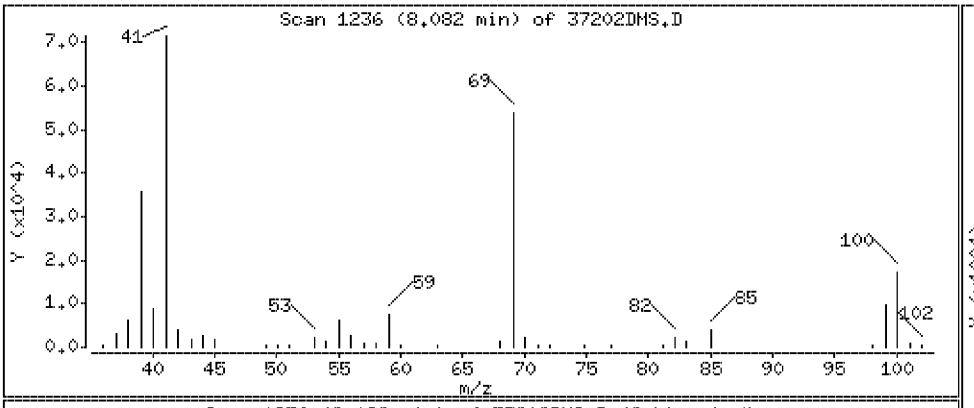
Operator:

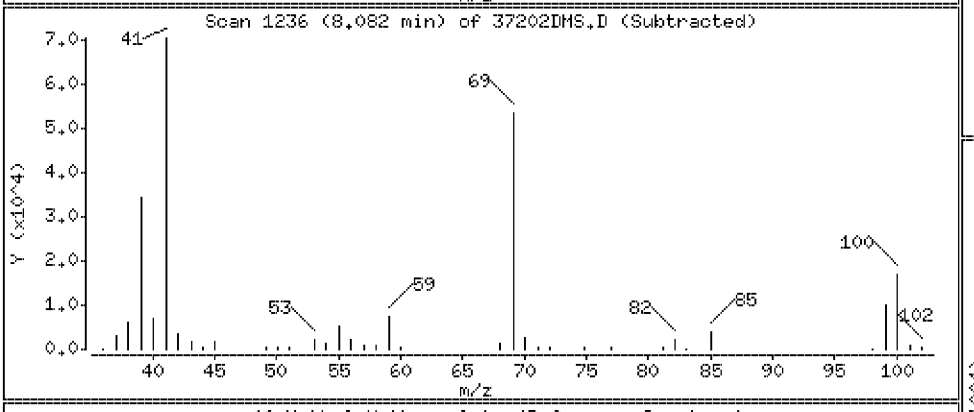
Column phase: DB-624

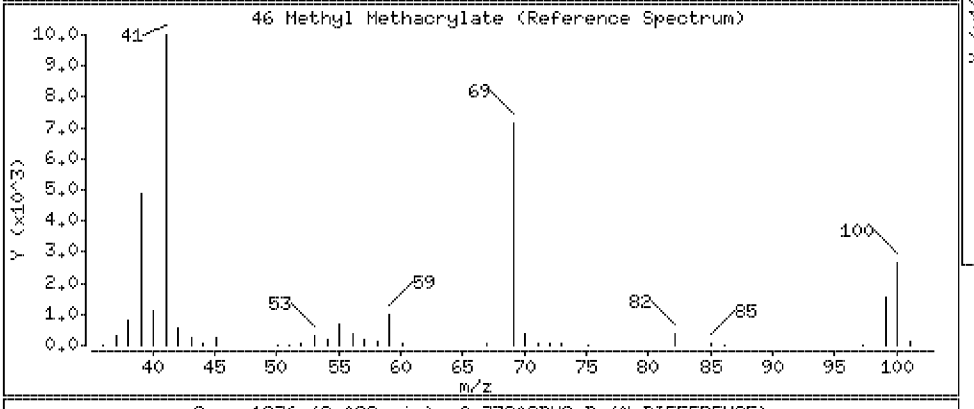
Column diameter: 0.18

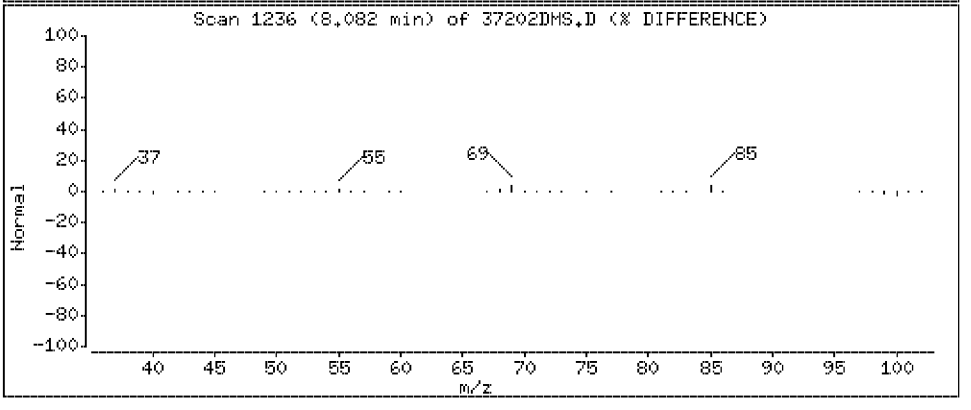
46 Methyl Methacrylate

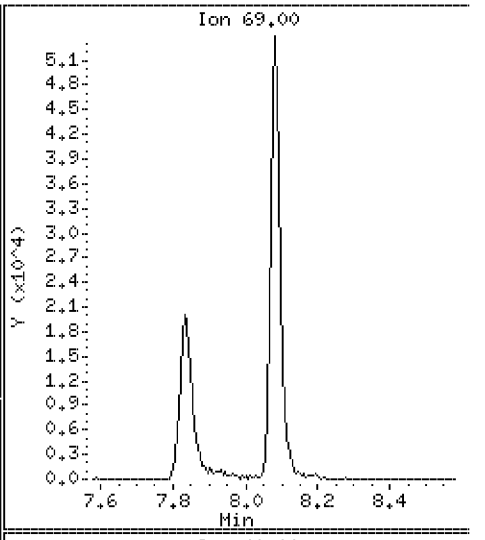
Concentration: 180 ug/l

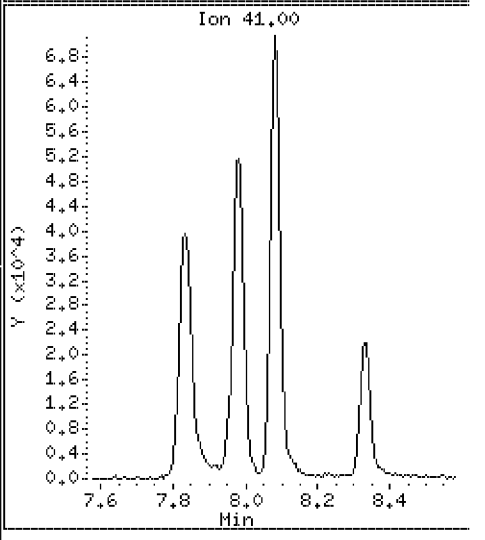












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

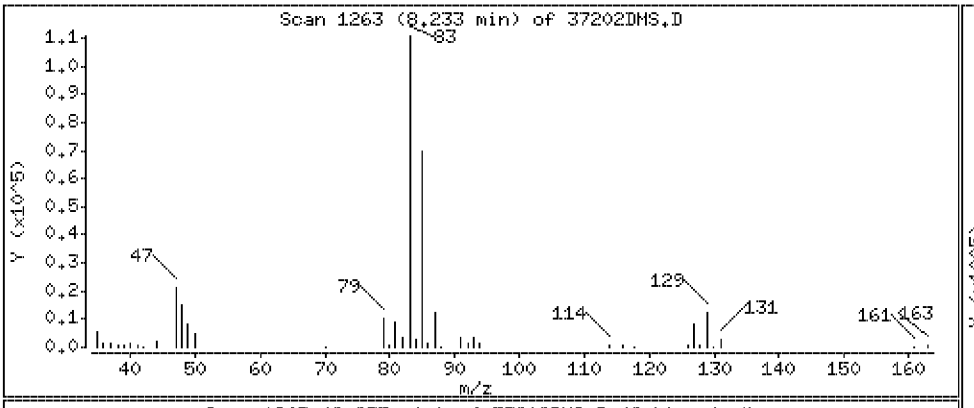
Operator:

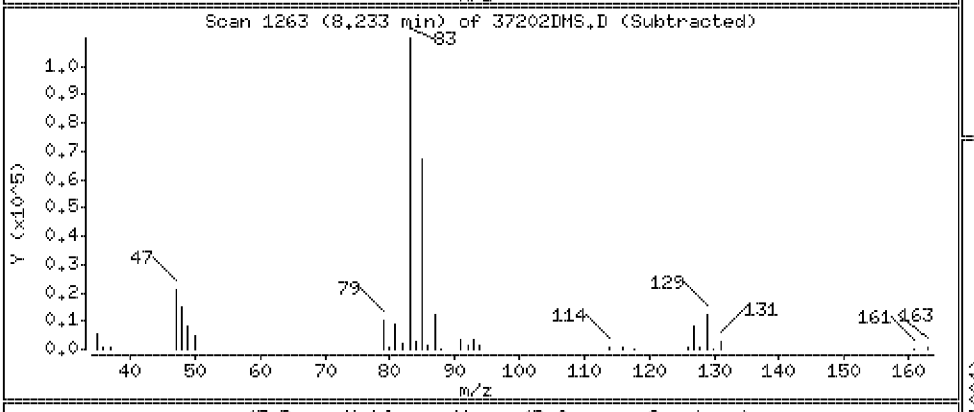
Column phase: DB-624

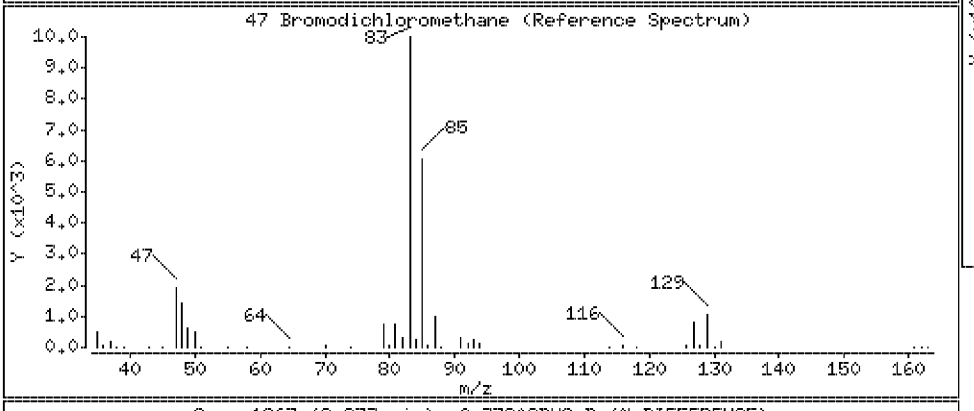
Column diameter: 0.18

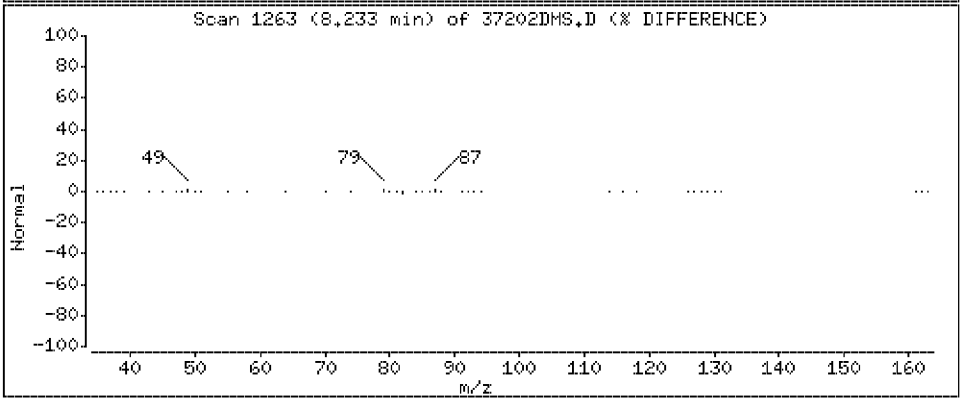
47 Bromodichloromethane

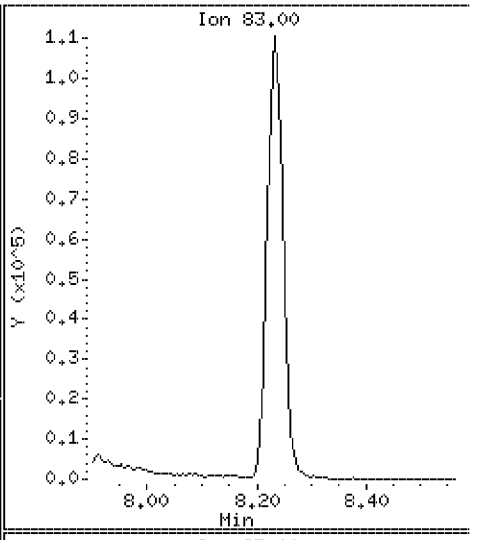
Concentration: 182 ug/l

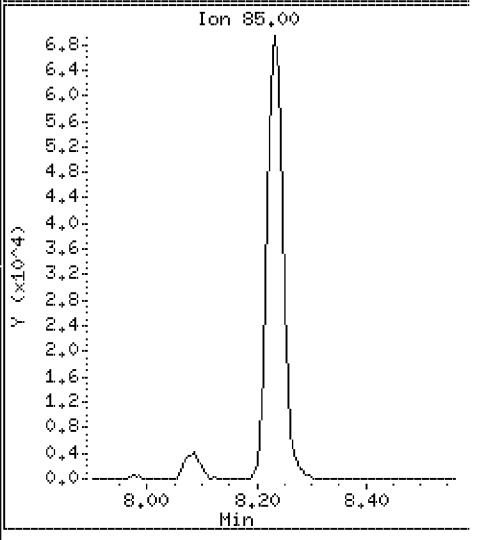












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

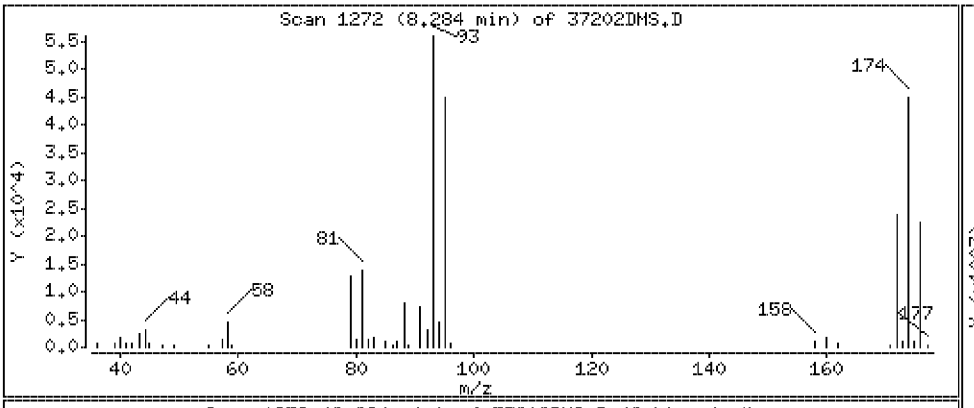
Operator:

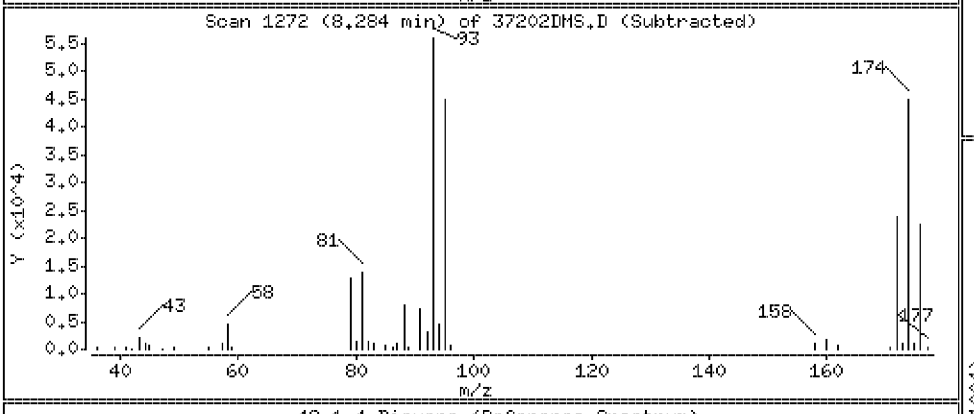
Column phase: DB-624

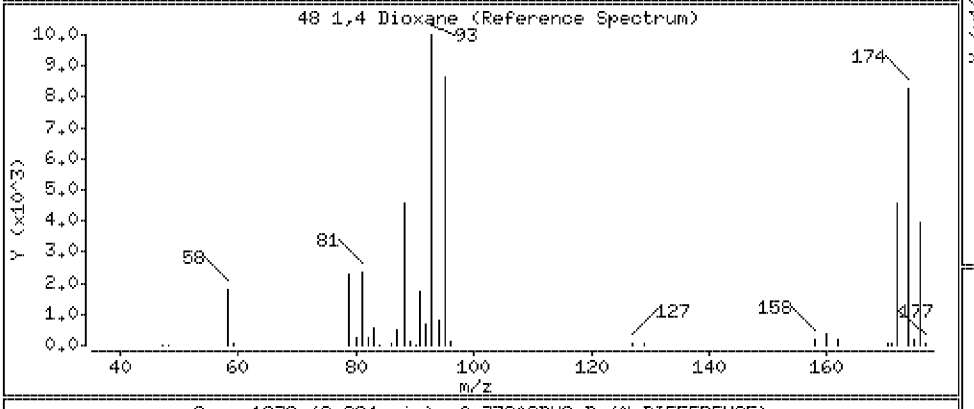
Column diameter: 0.18

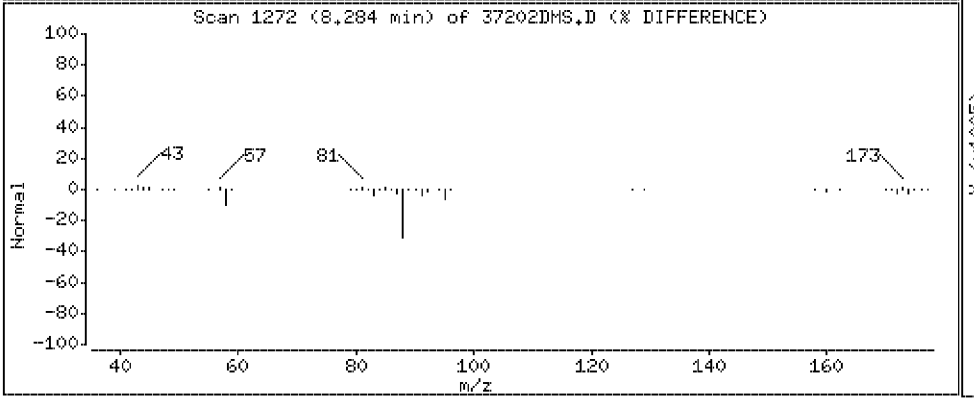
48 1,4 Dioxane

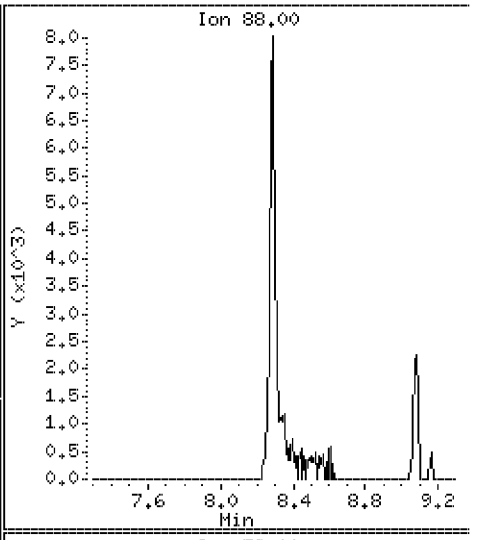
Concentration: 2730 ug/l

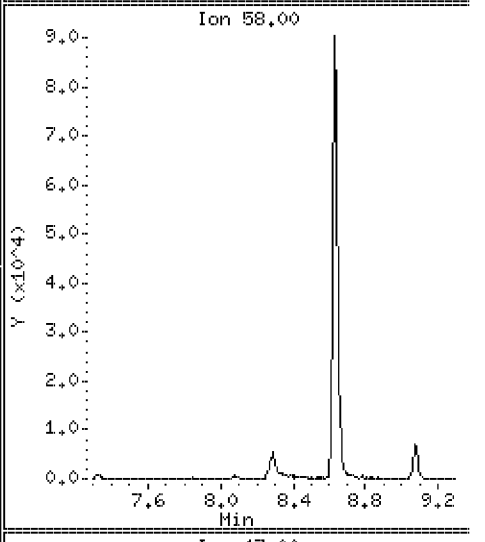


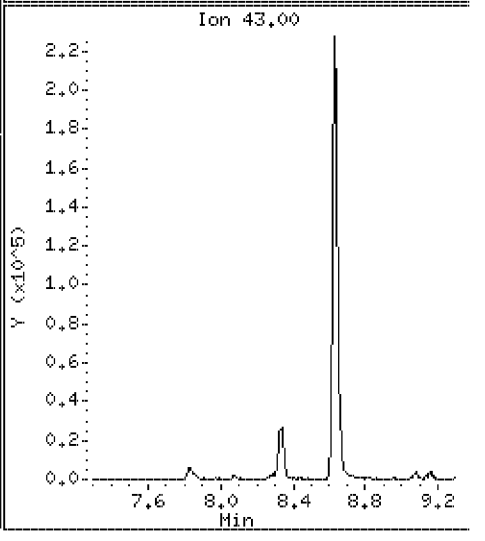












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

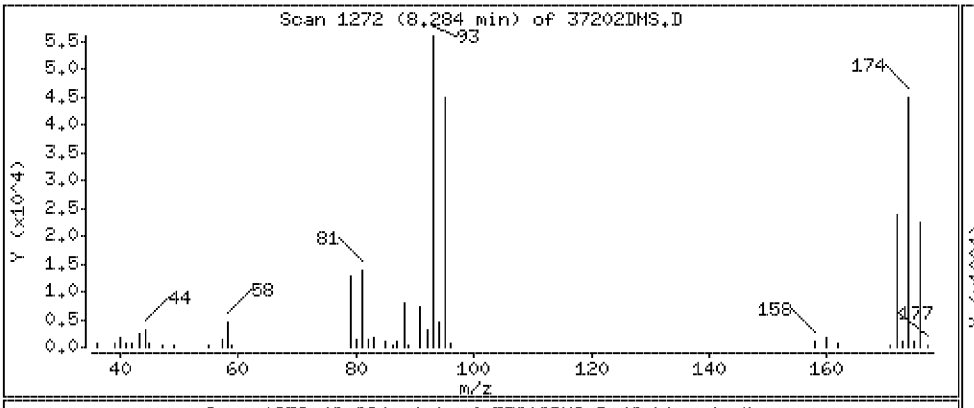
Operator:

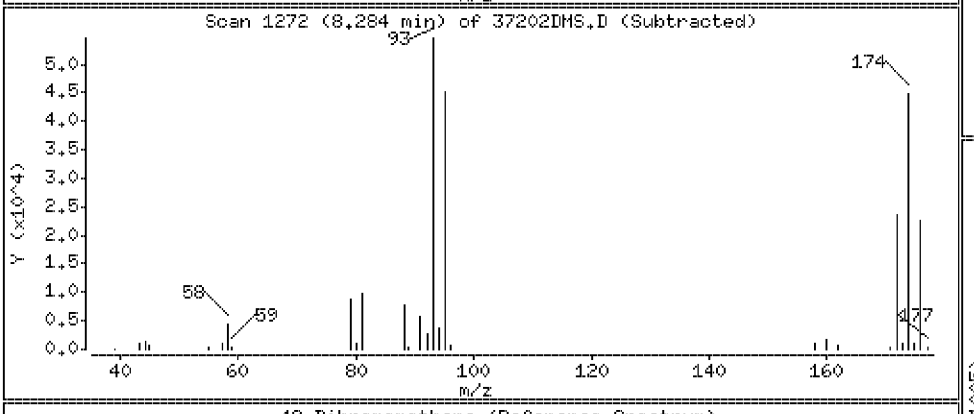
Column phase: DB-624

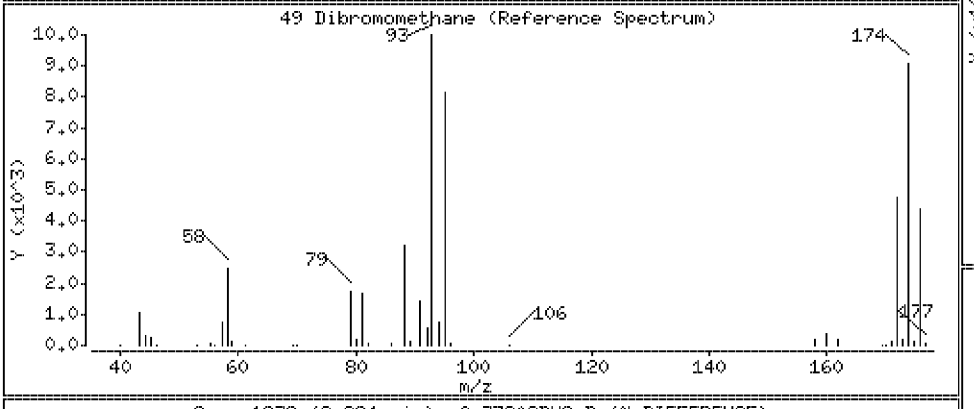
Column diameter: 0.18

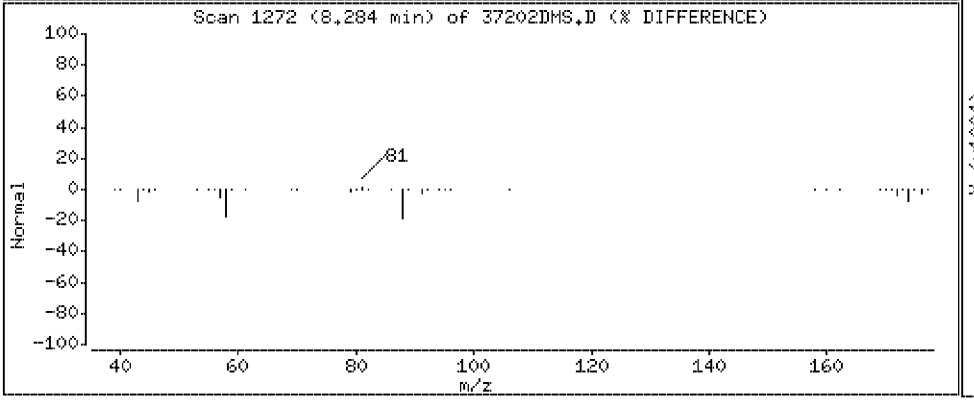
49 Dibromomethane

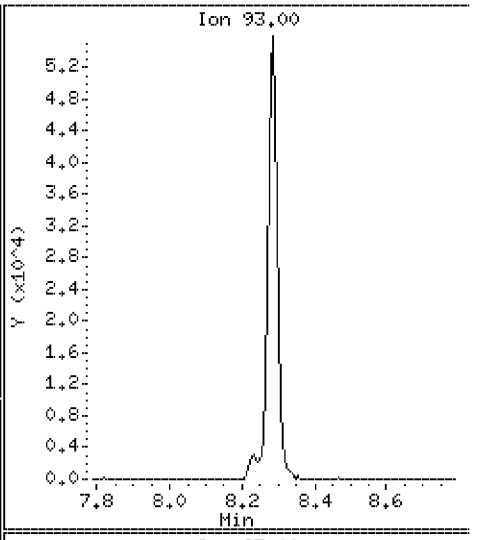
Concentration: 180 ug/l

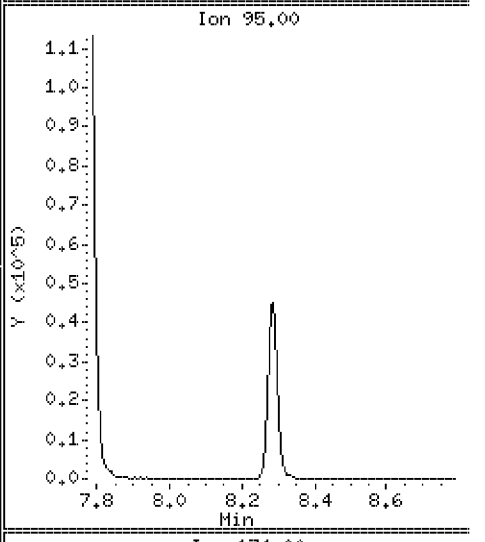


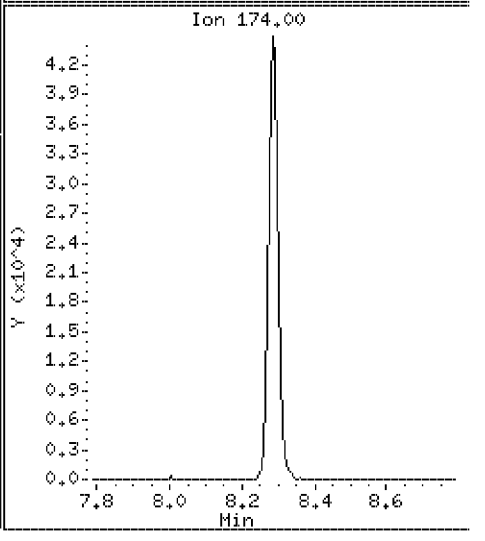












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

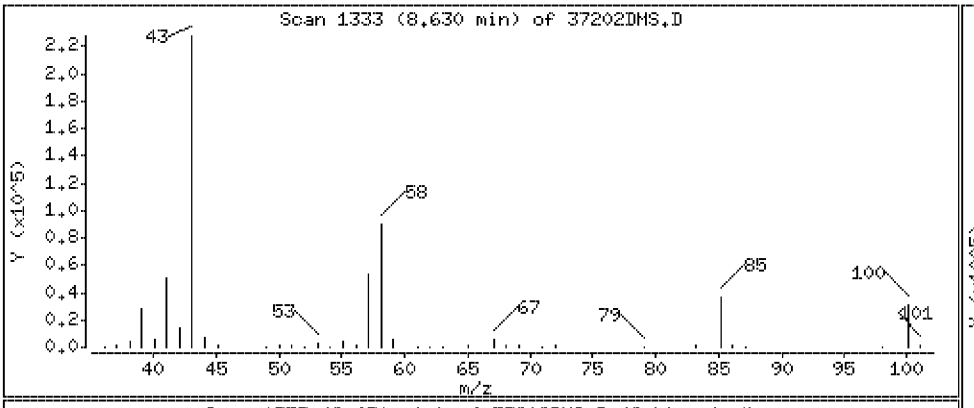
Operator:

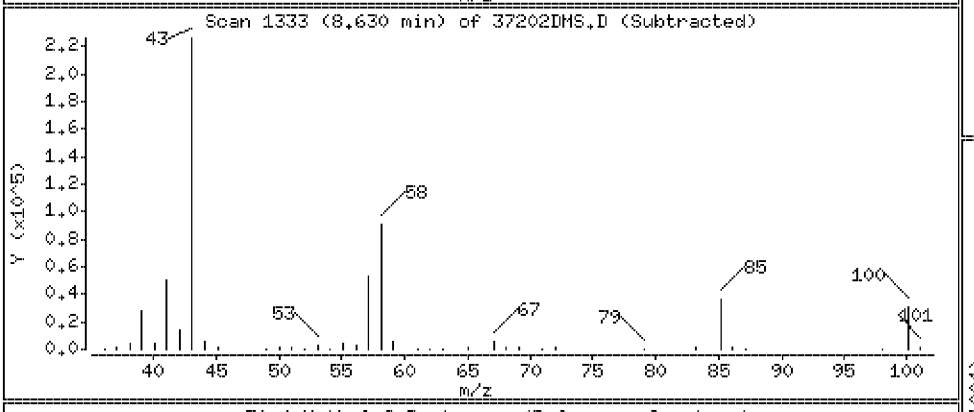
Column phase: DB-624

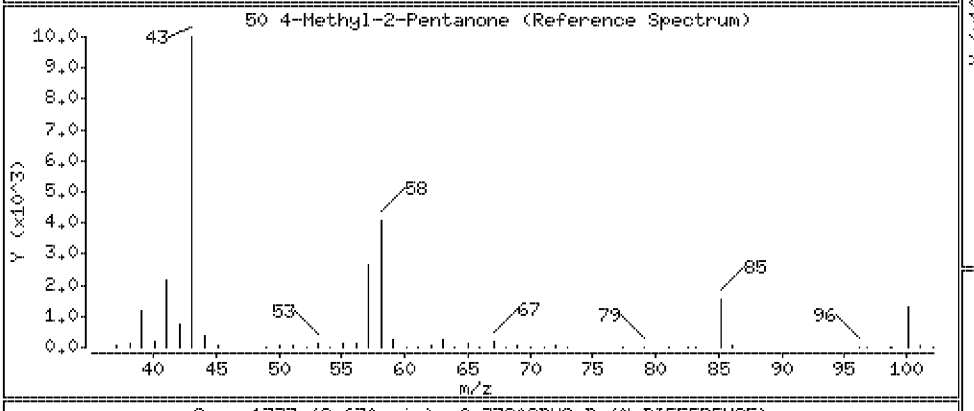
Column diameter: 0.18

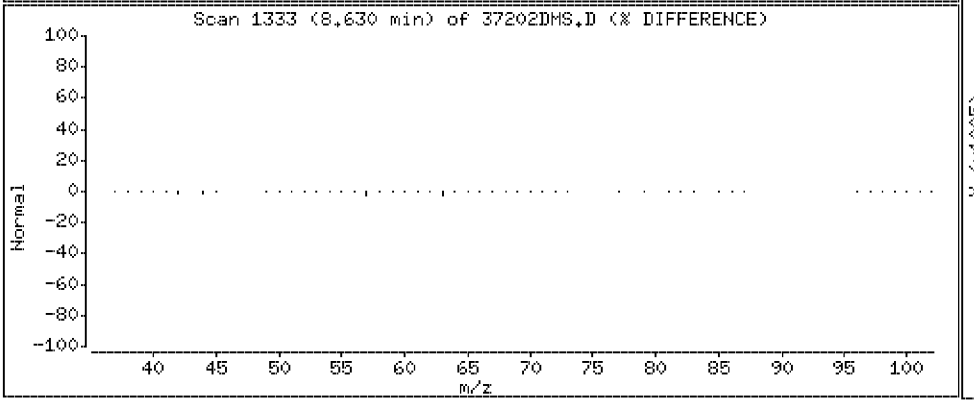
50 4-Methyl-2-Pentanone

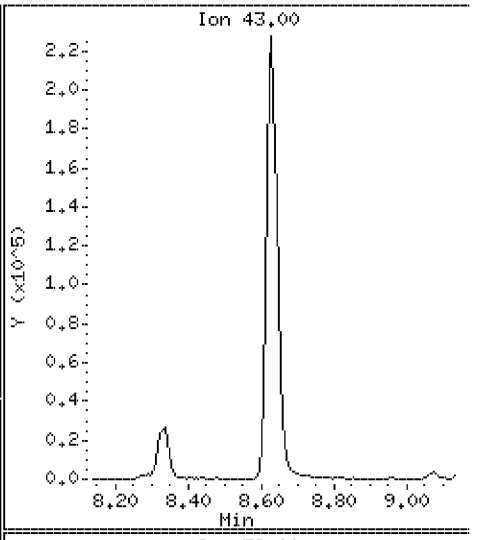
Concentration: 493 ug/l

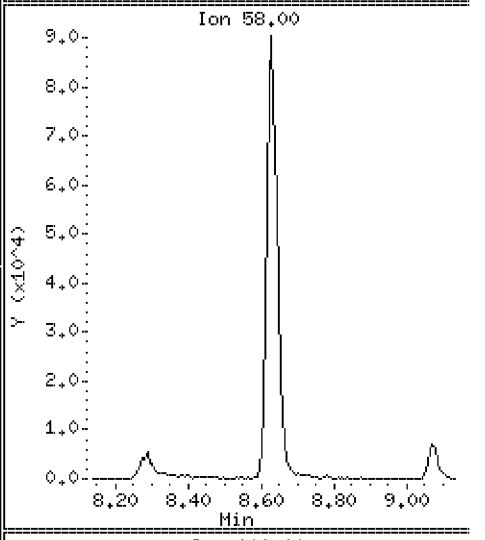


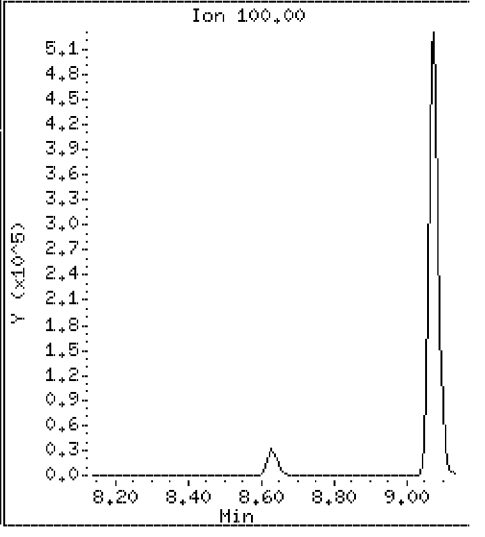












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

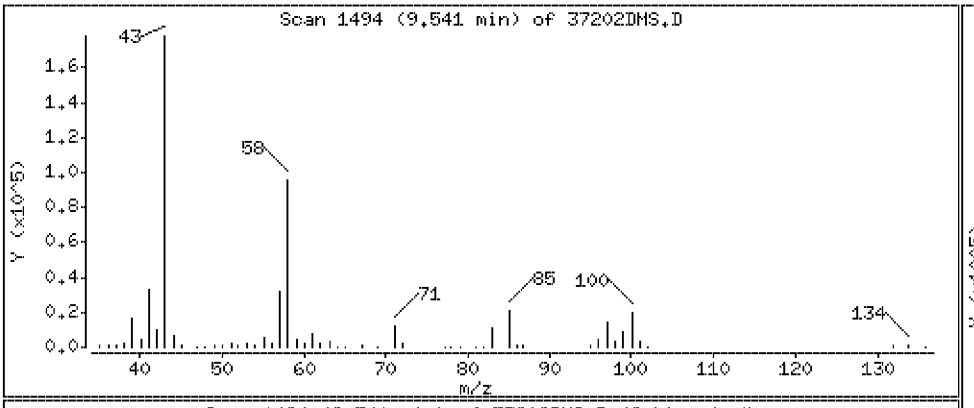
Operator:

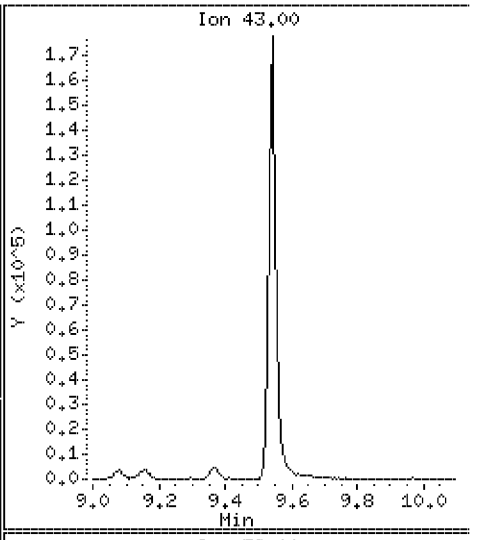
Column phase: DB-624

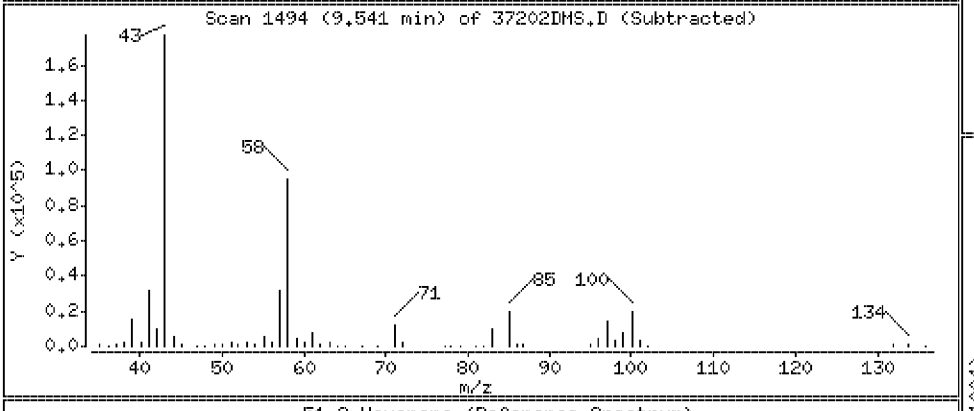
Column diameter: 0.18

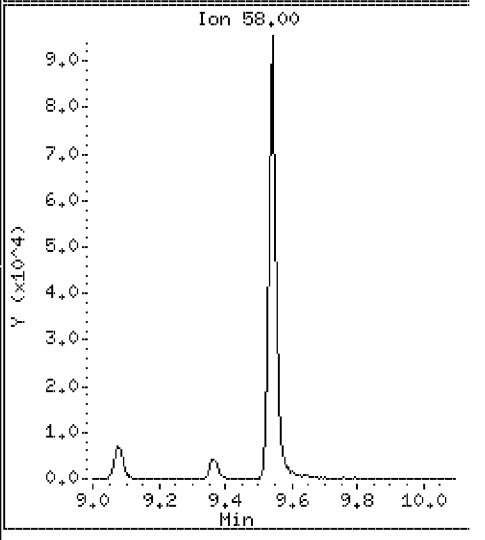
51 2-Hexanone

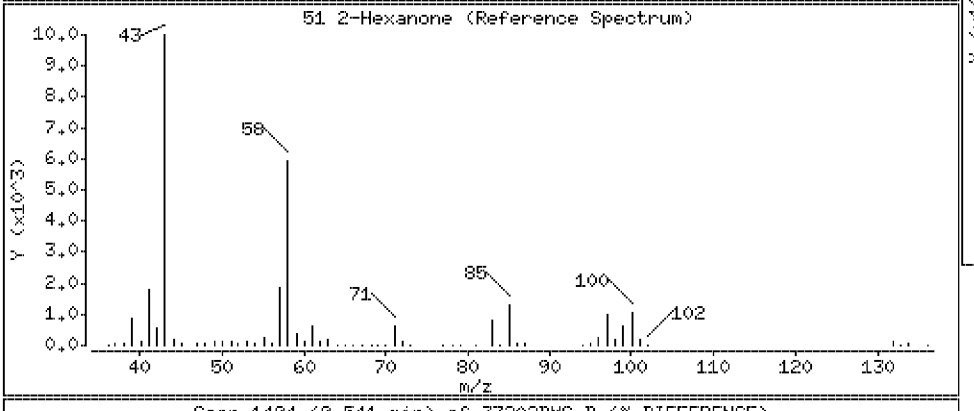
Concentration: 470 ug/l

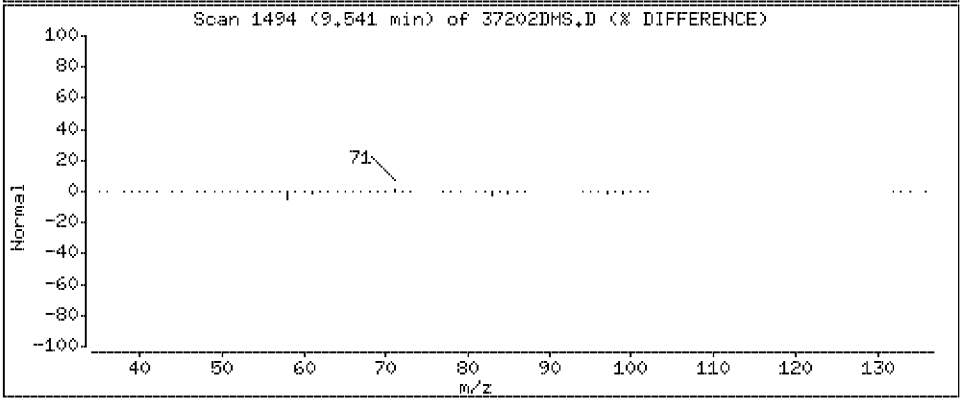












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

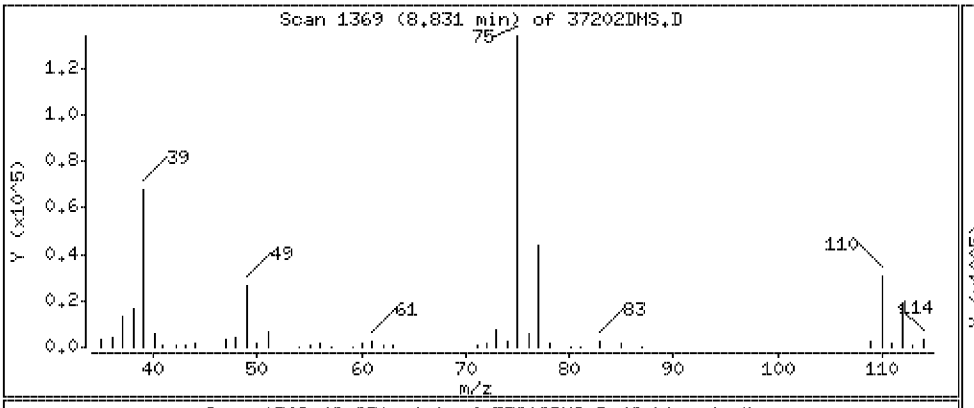
Operator:

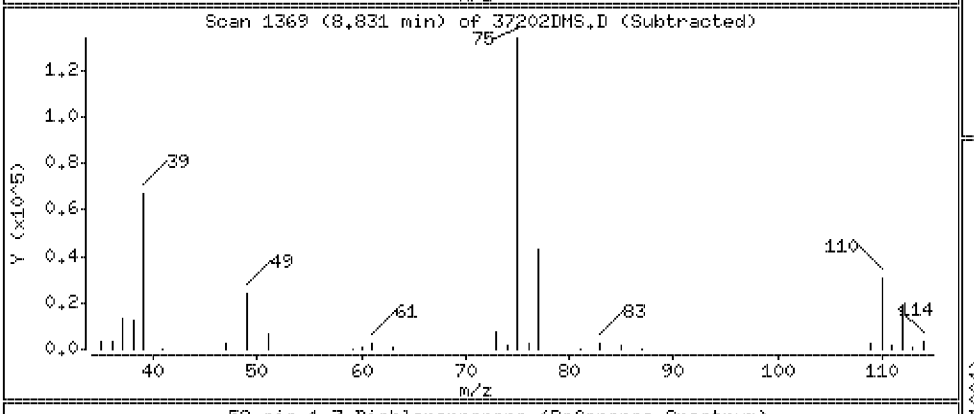
Column phase: DB-624

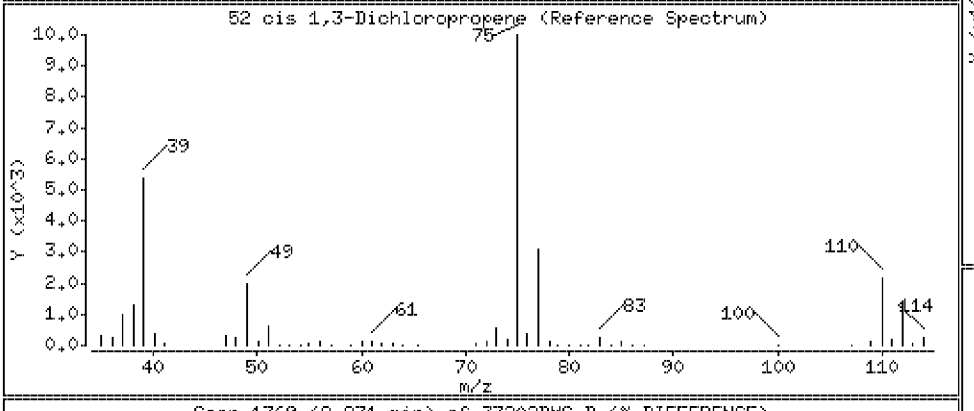
Column diameter: 0.18

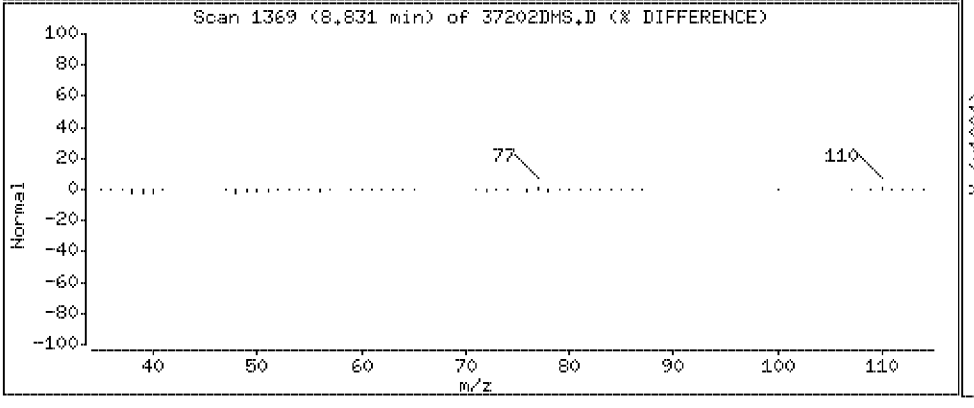
52 cis 1,3-Dichloropropene

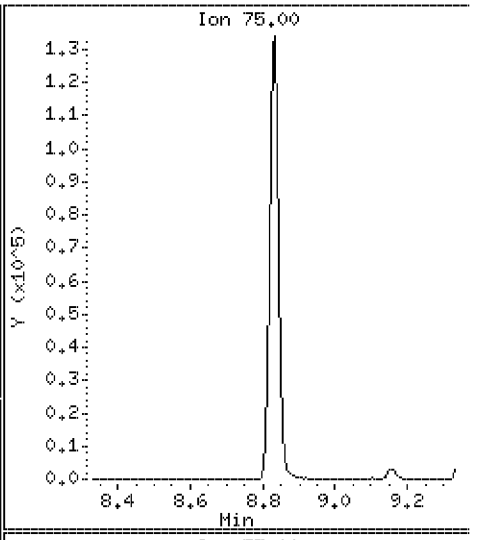
Concentration: 167 ug/l

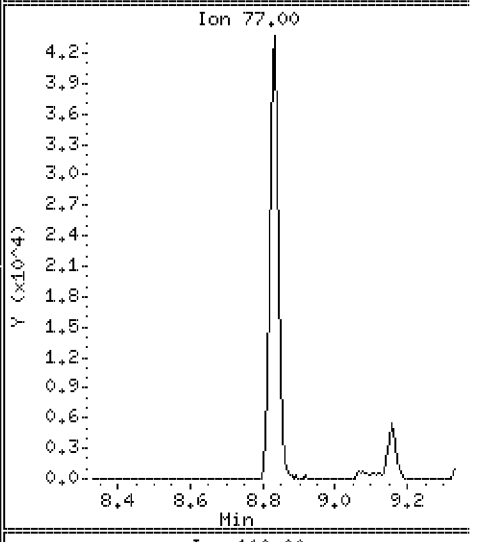


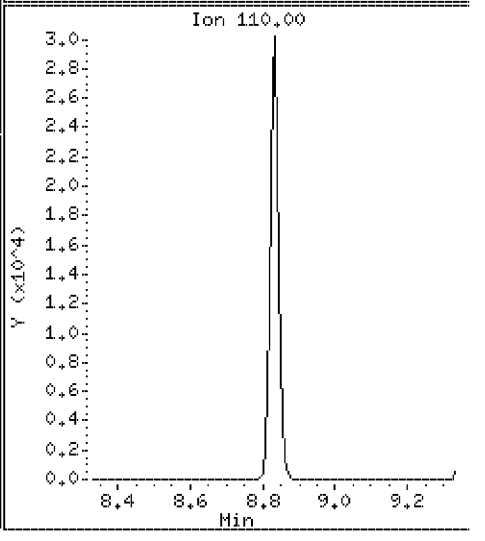












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

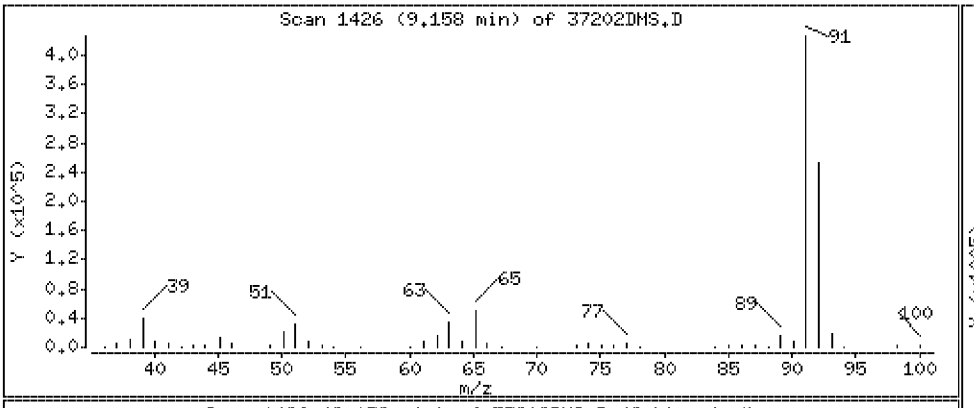
Operator:

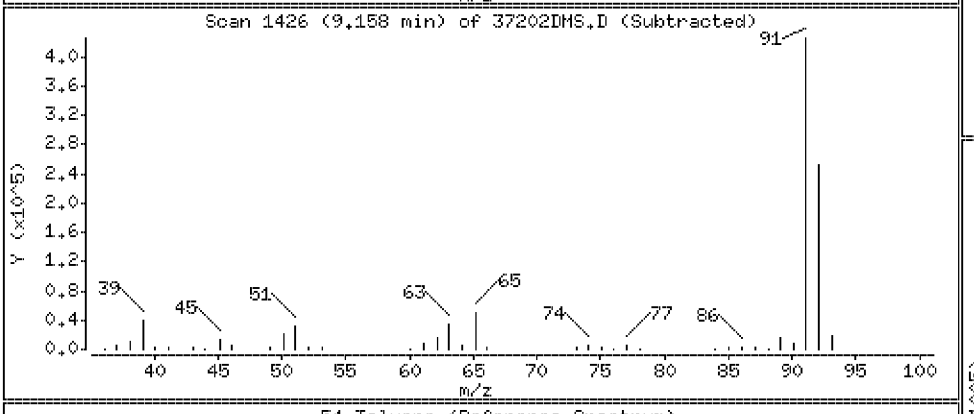
Column phase: DB-624

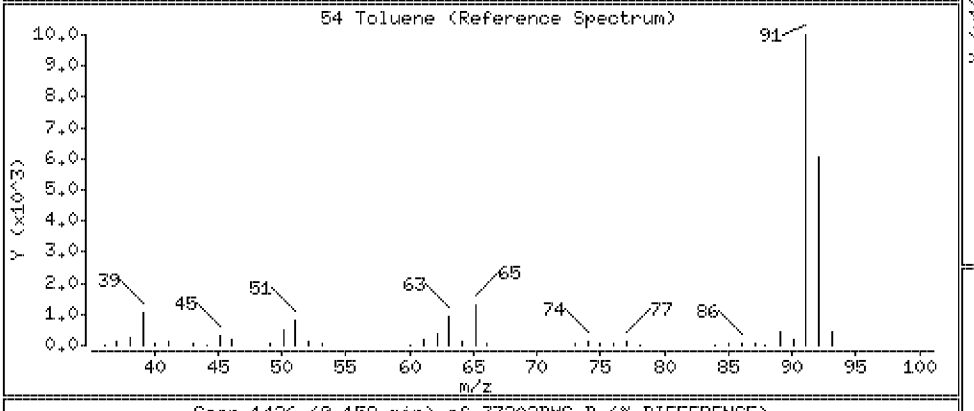
Column diameter: 0.18

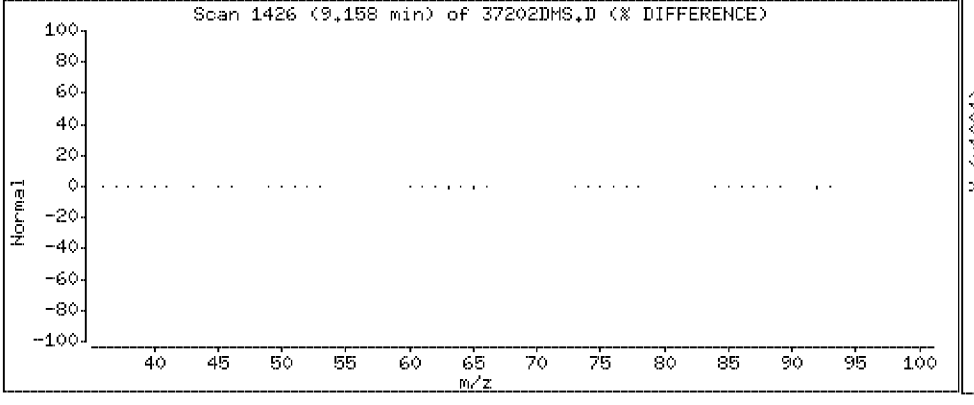
54 Toluene

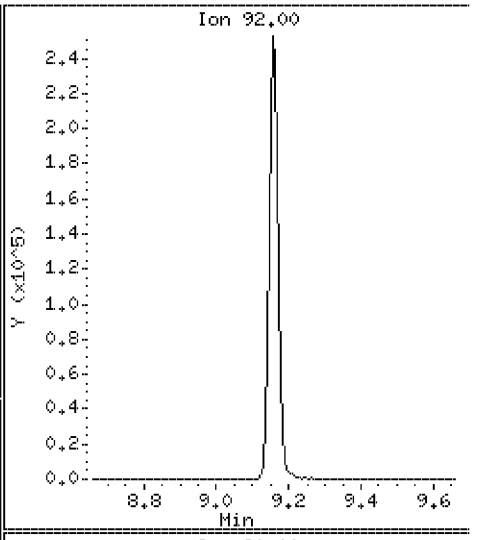
Concentration: 195 ug/l

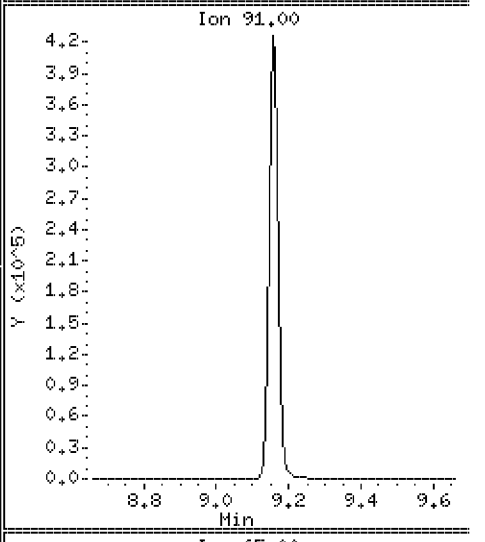


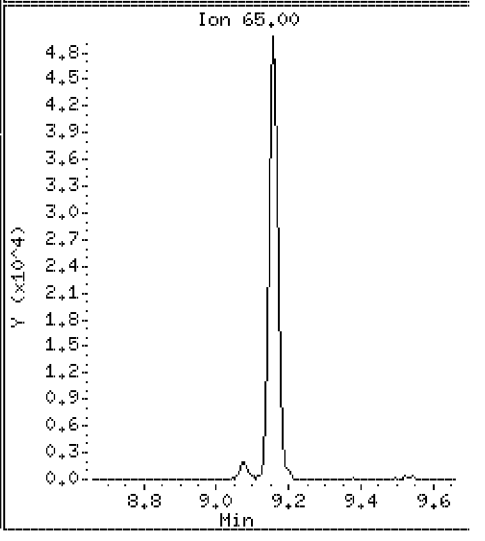












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

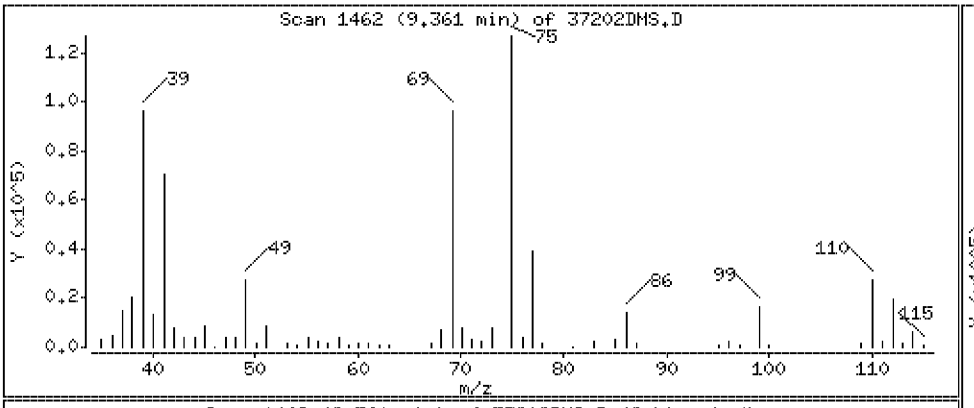
Operator:

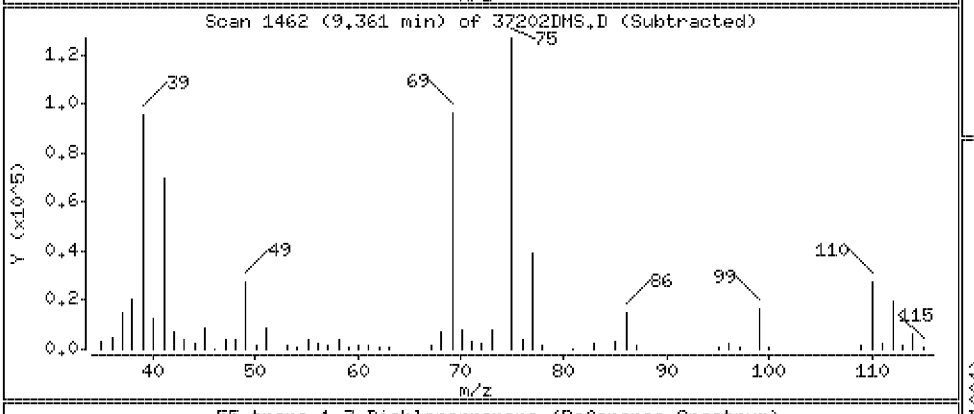
Column phase: DB-624

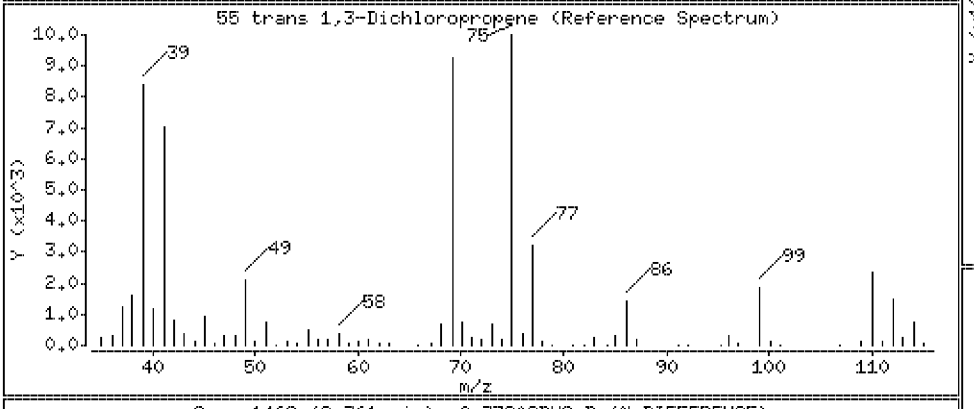
Column diameter: 0.18

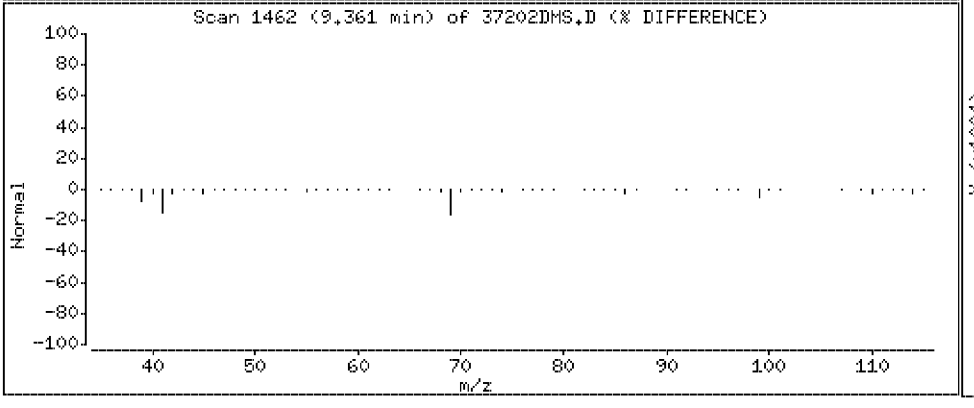
55 trans 1,3-Dichloropropene

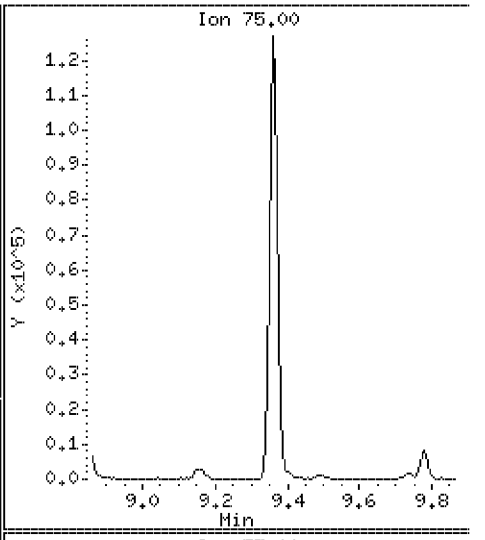
Concentration: 174 ug/l

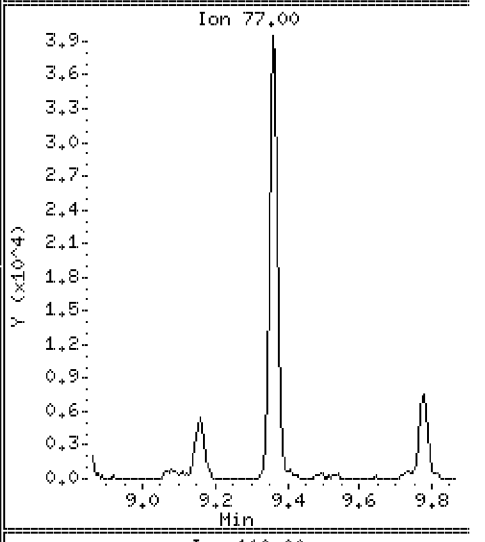


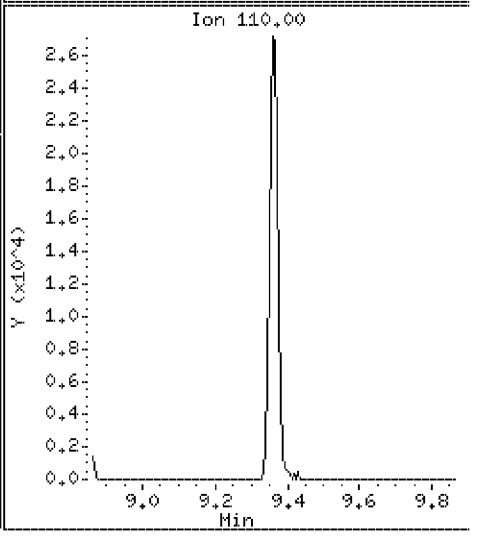












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

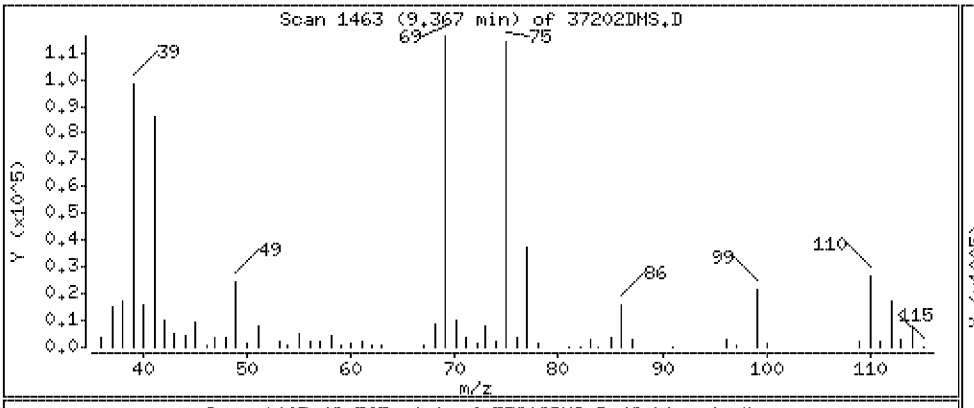
Operator:

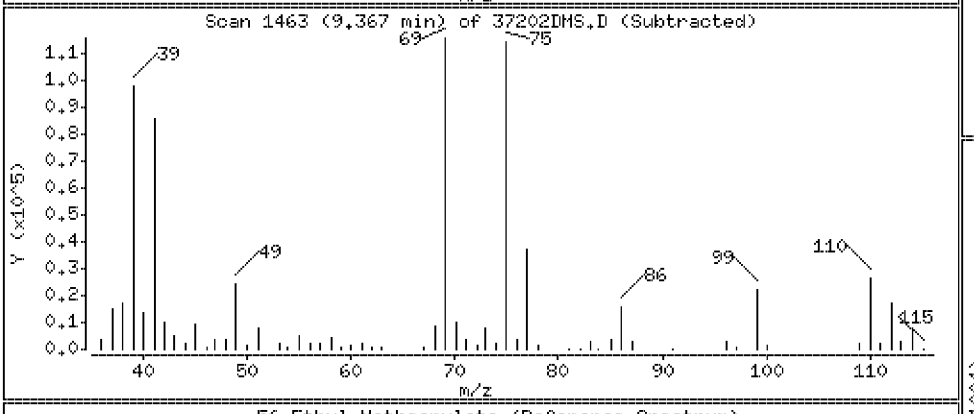
Column phase: DB-624

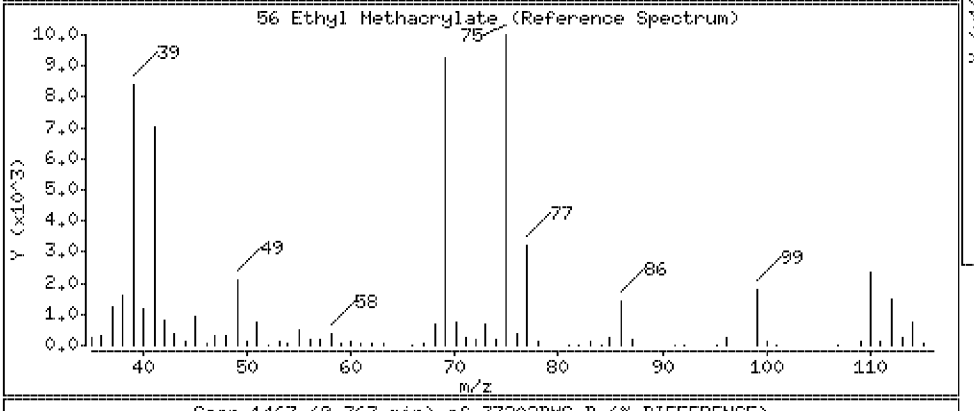
Column diameter: 0.18

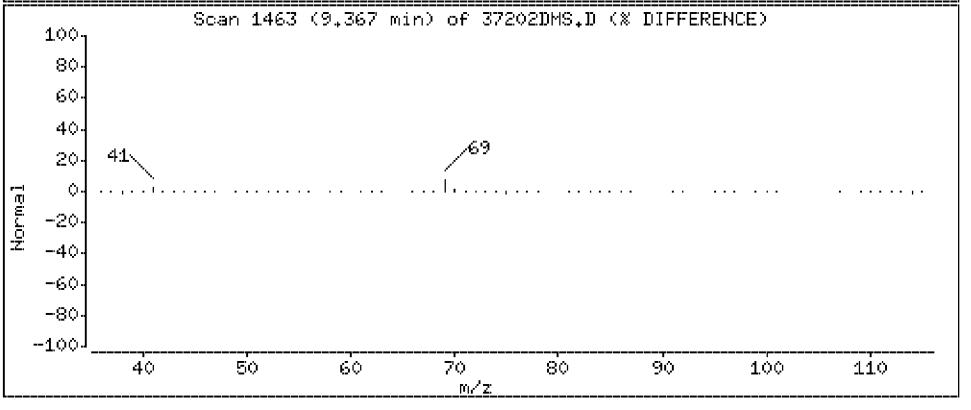
56 Ethyl Methacrylate

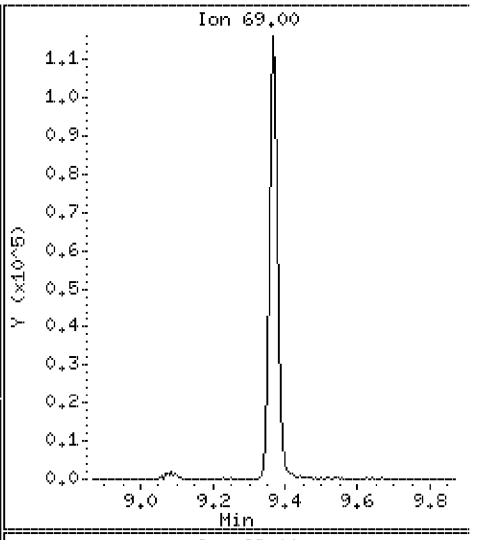
Concentration: 187 ug/l

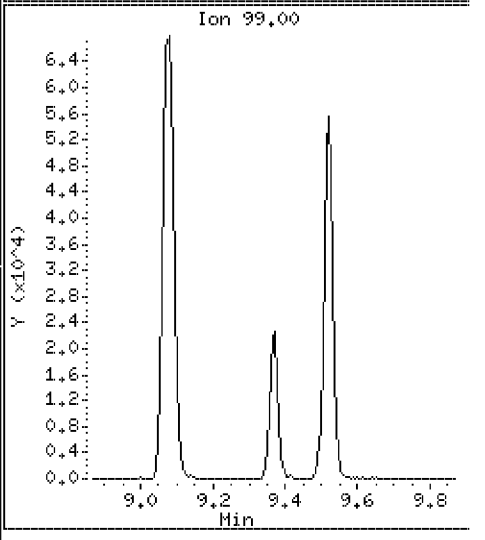












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

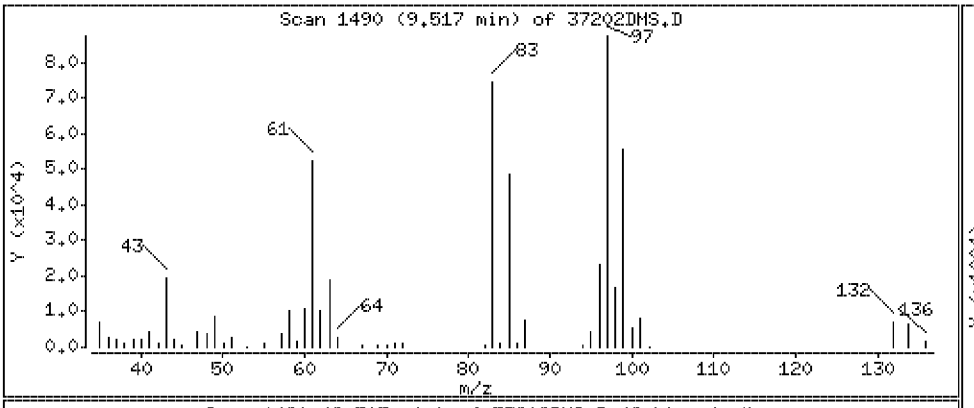
Operator:

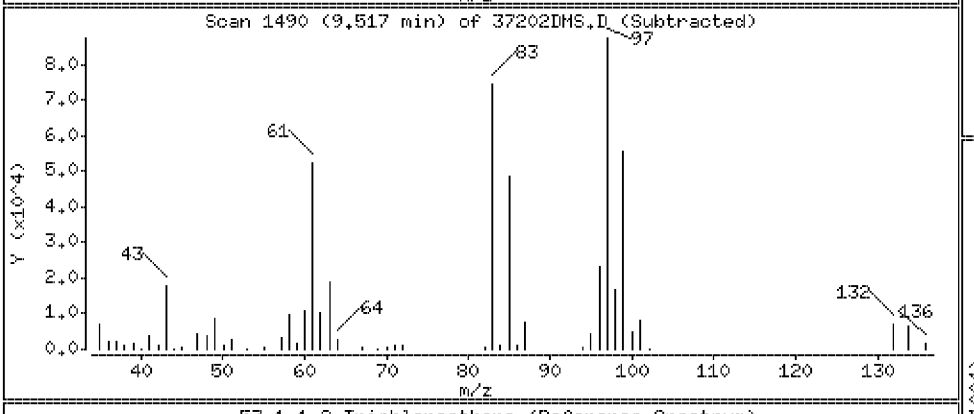
Column phase: DB-624

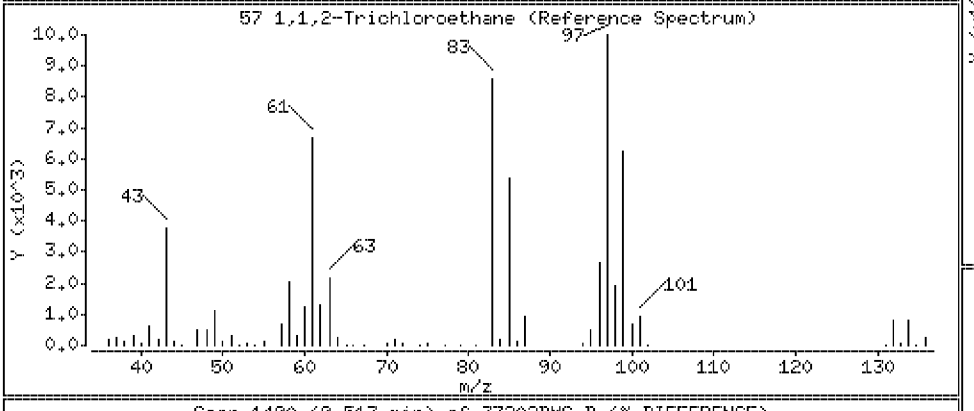
Column diameter: 0.18

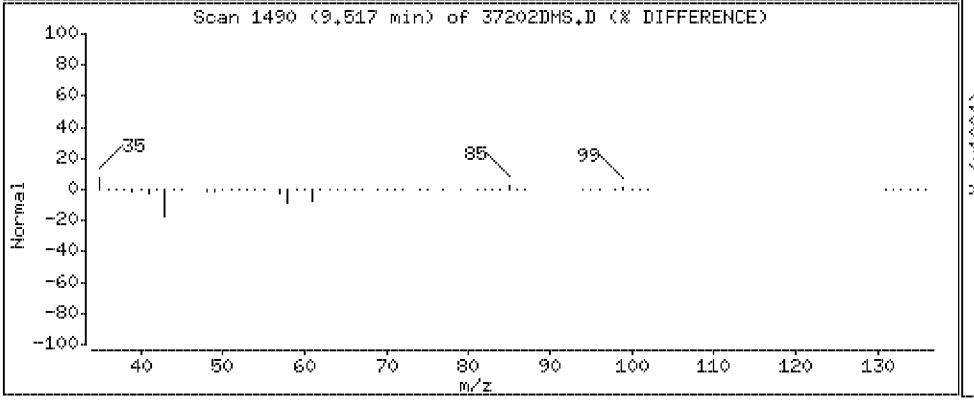
57 1,1,2-Trichloroethane

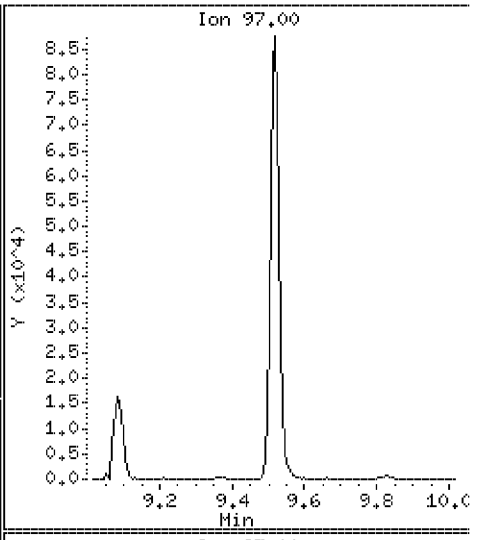
Concentration: 190 ug/l

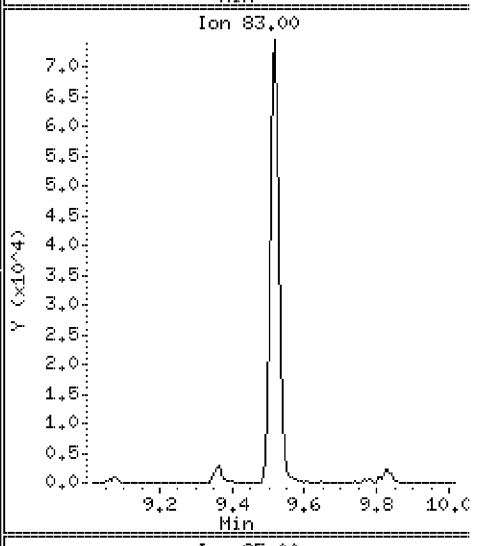


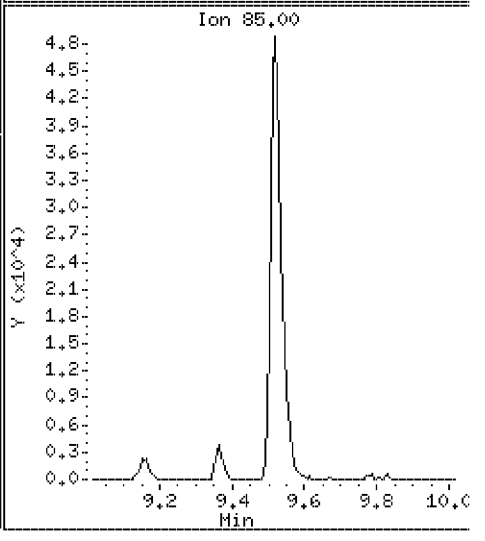












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

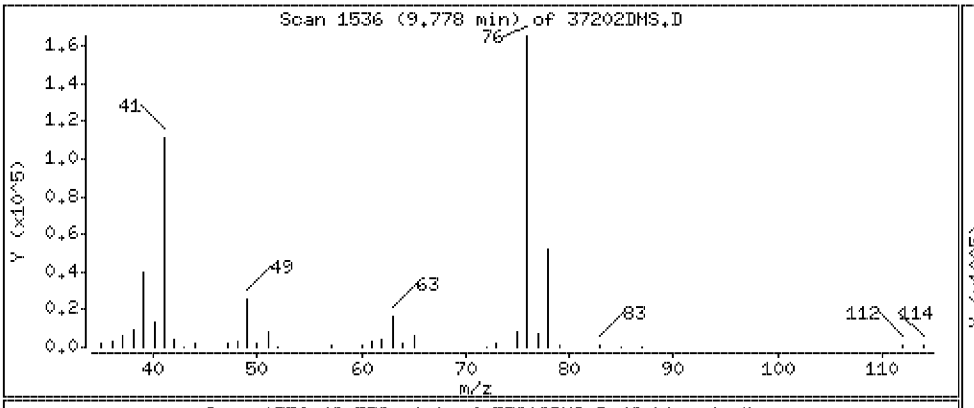
Operator:

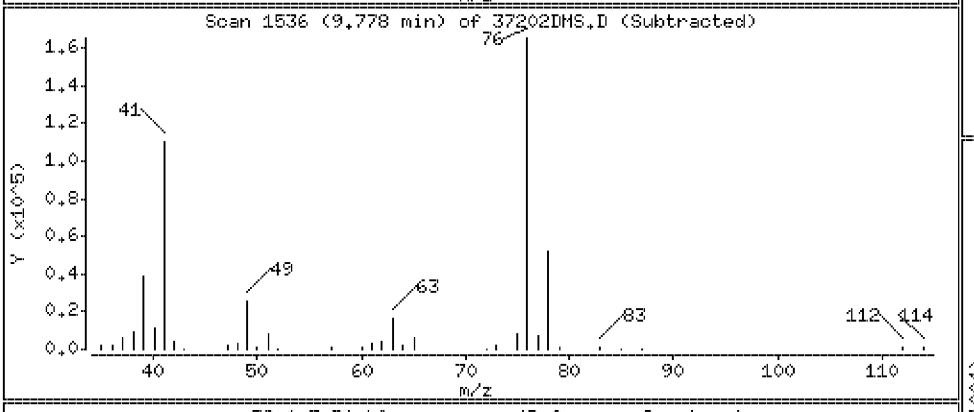
Column phase: DB-624

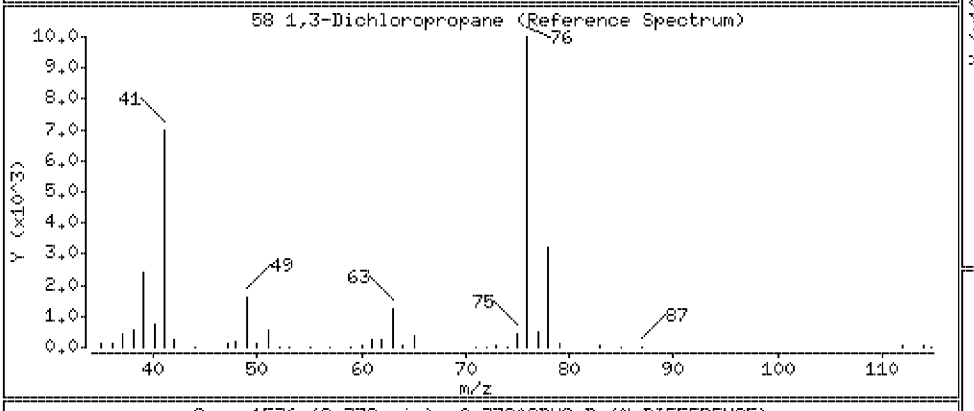
Column diameter: 0.18

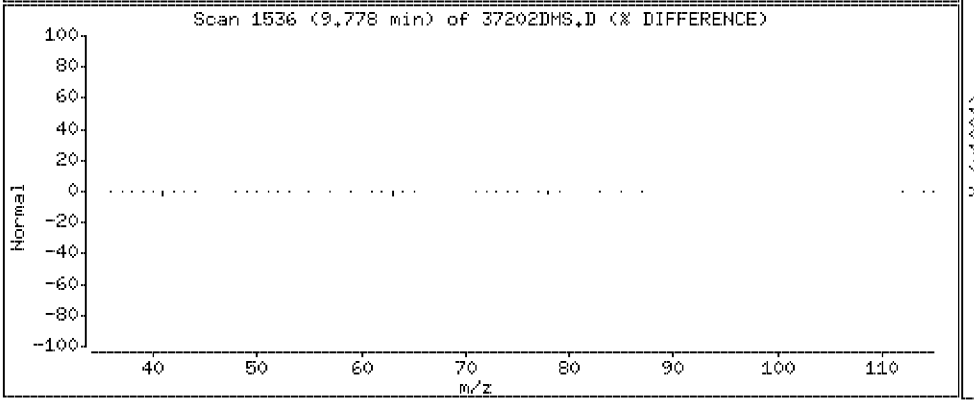
58 1,3-Dichloropropane

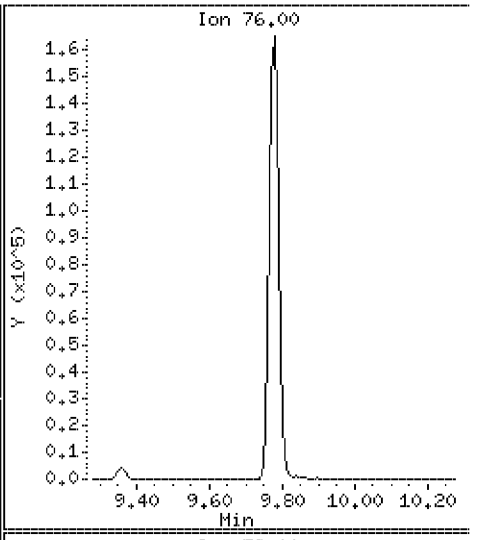
Concentration: 195 ug/l

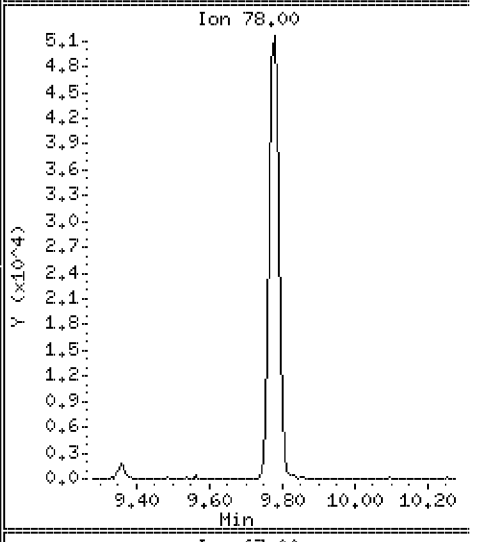


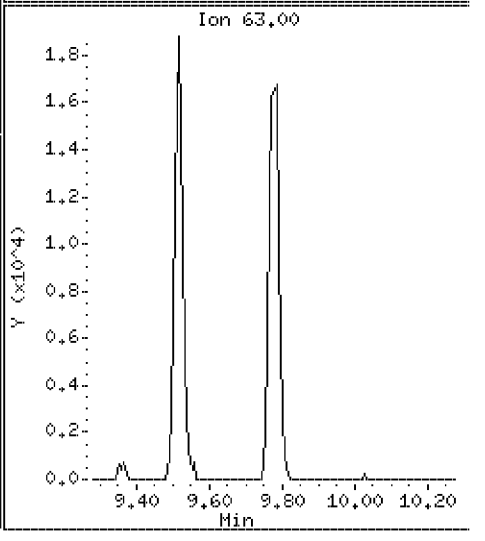












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

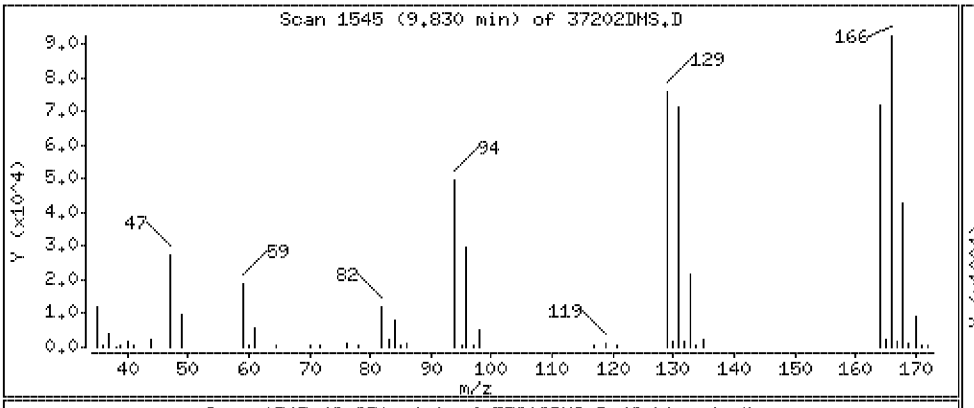
Operator:

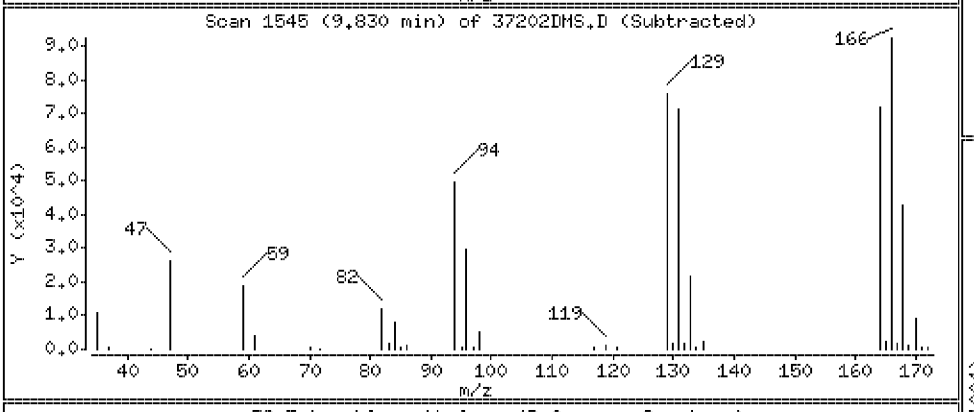
Column phase: DB-624

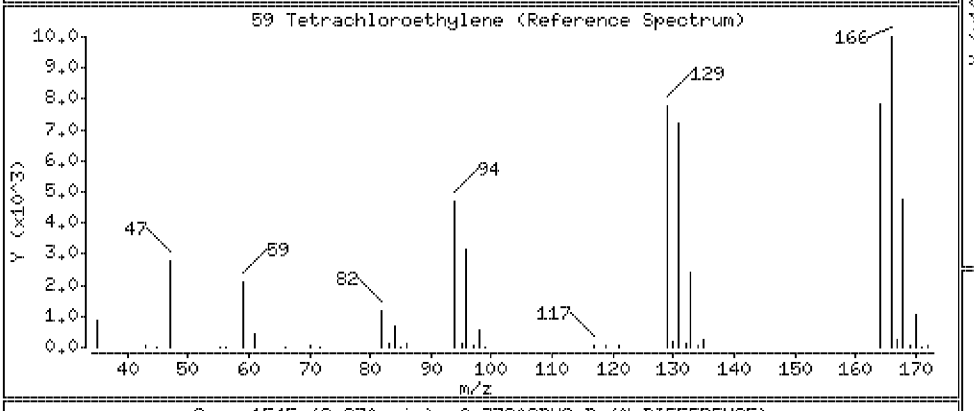
Column diameter: 0.18

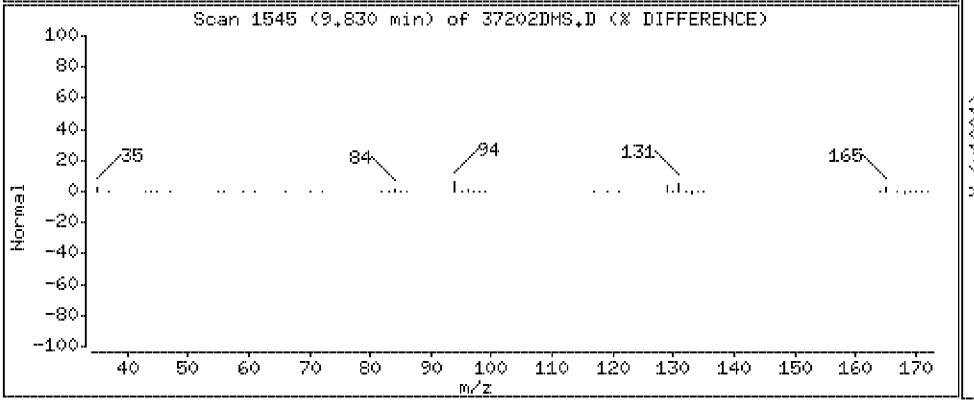
59 Tetrachloroethylene

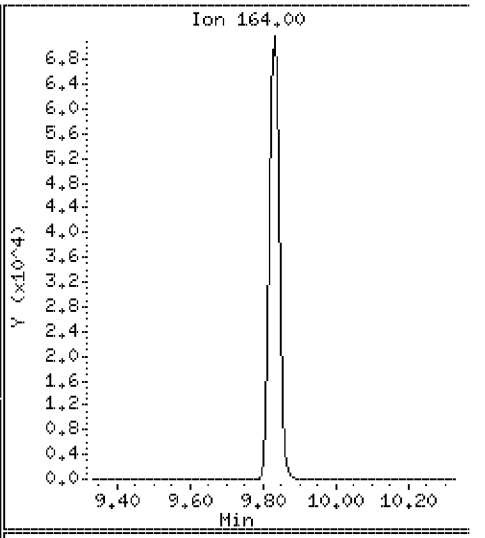
Concentration: 208 ug/l

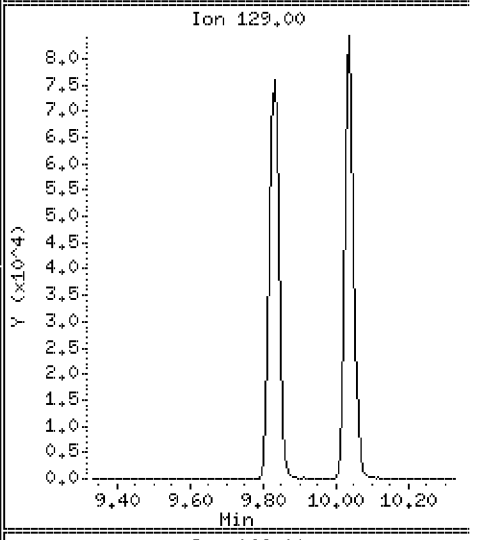


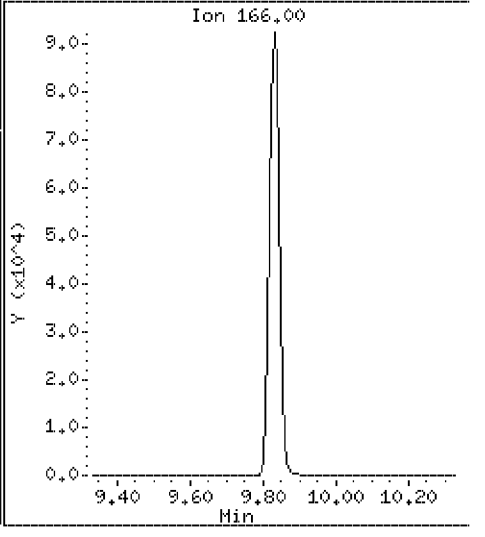












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

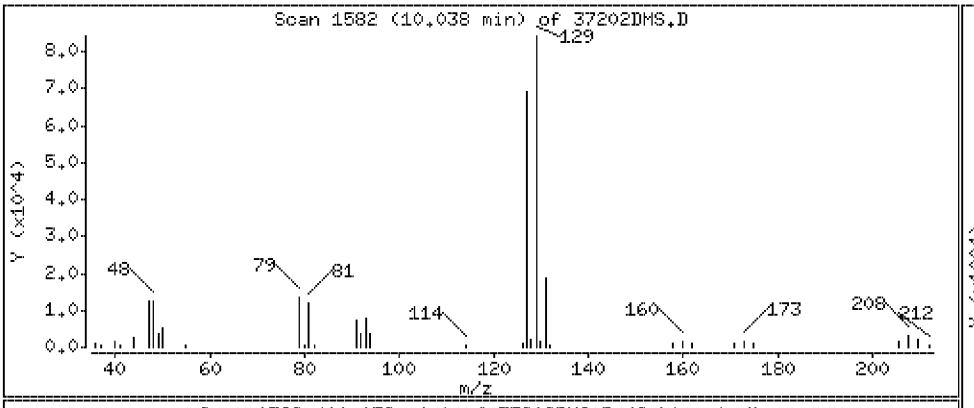
Operator:

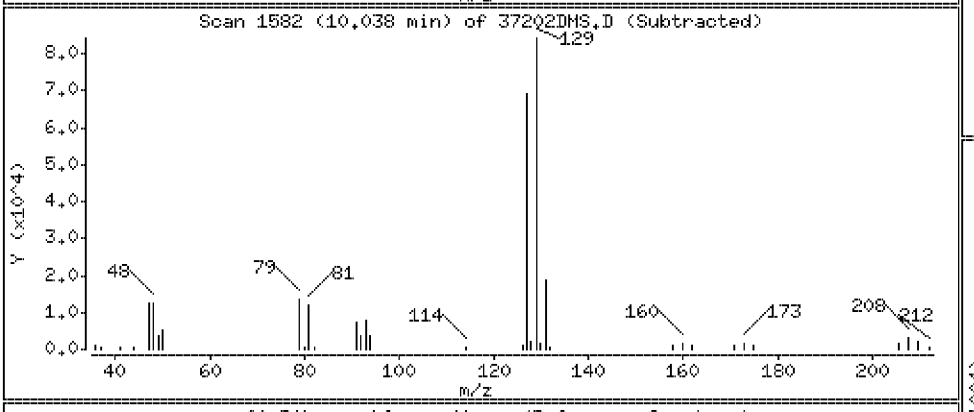
Column phase: DB-624

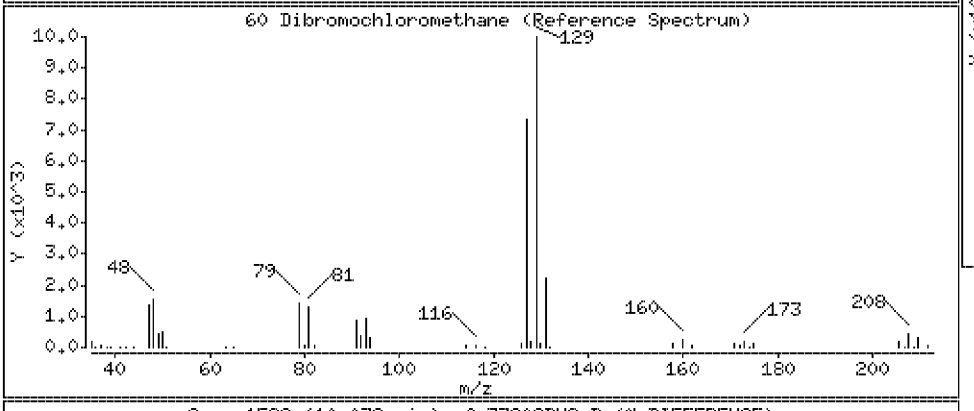
Column diameter: 0.18

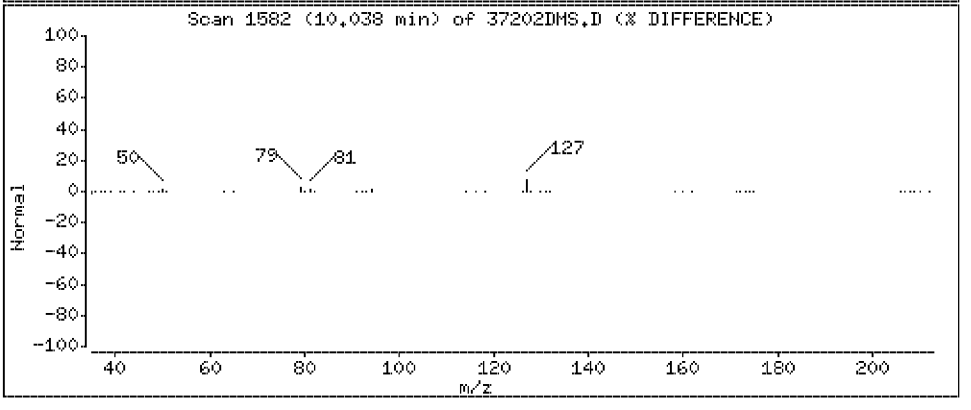
60 Dibromochloromethane

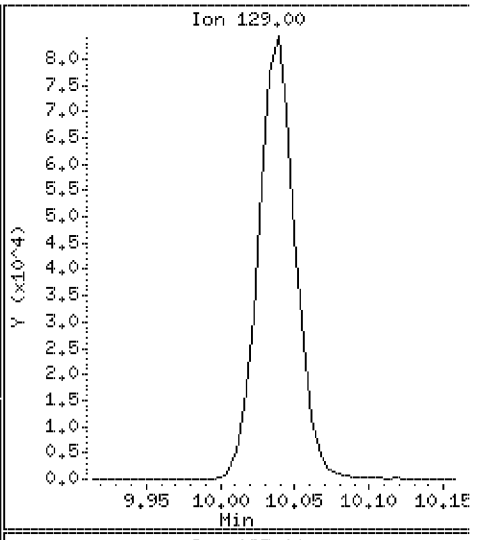
Concentration: 186 ug/l

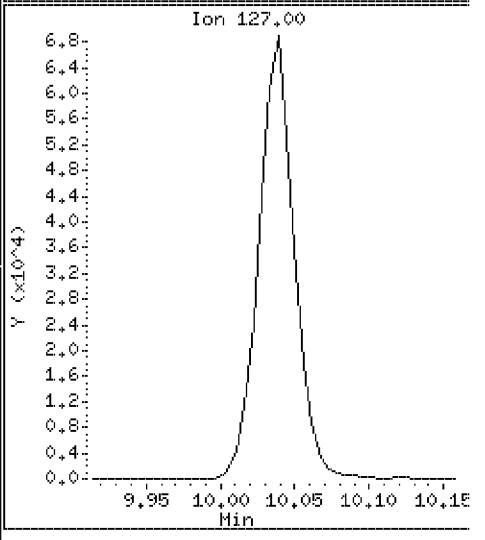












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

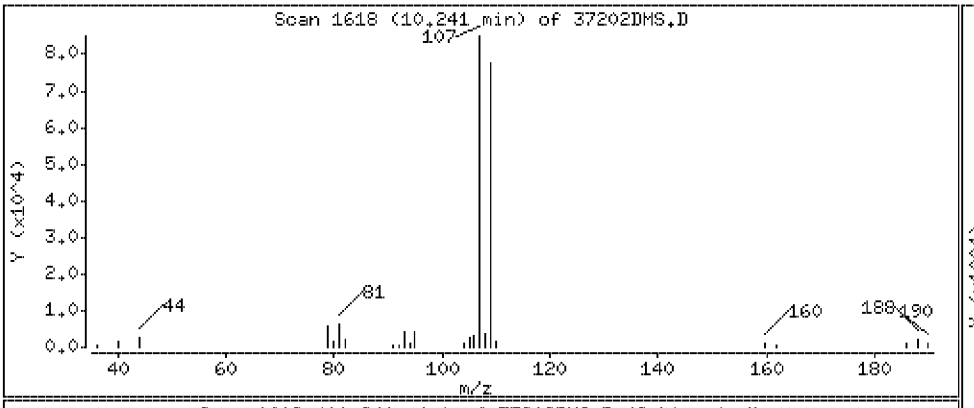
Operator:

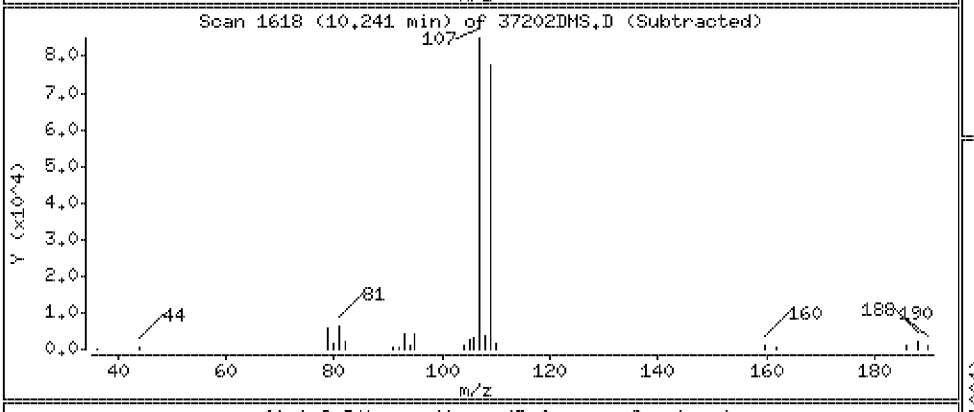
Column phase: DB-624

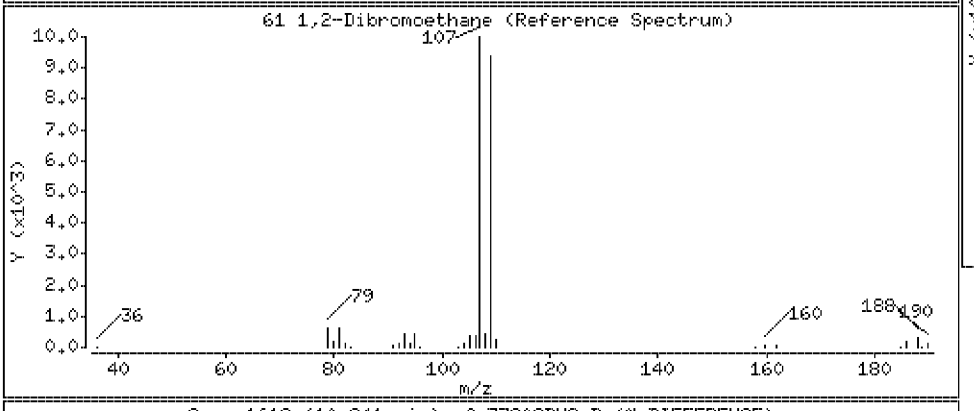
Column diameter: 0.18

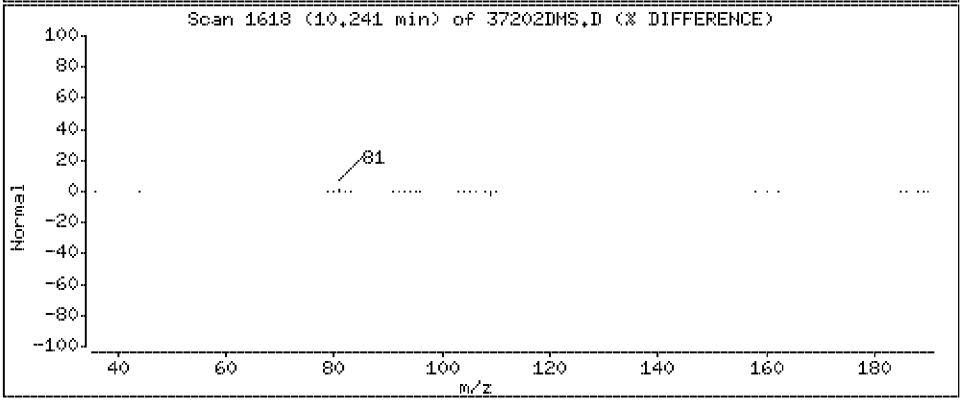
61 1,2-Dibromoethane

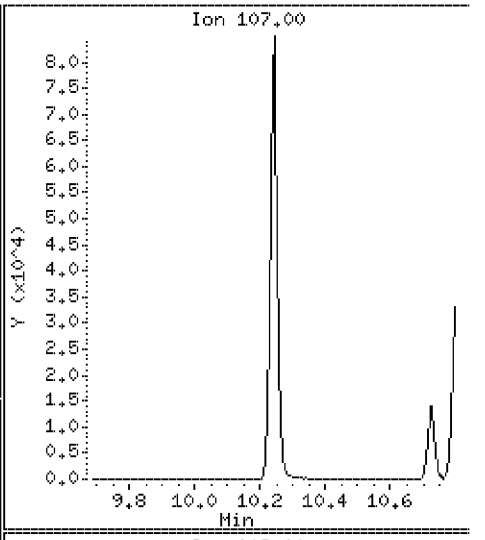
Concentration: 185 ug/l

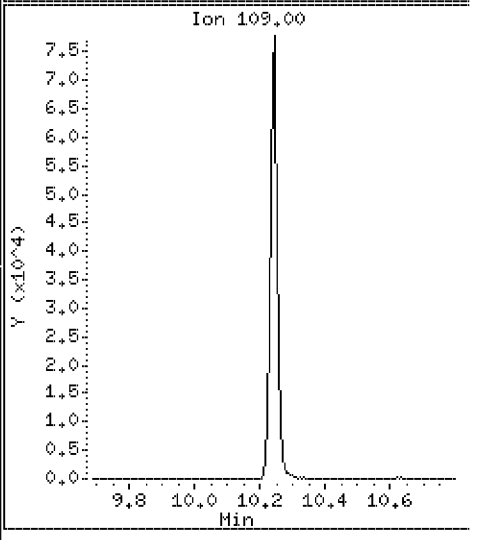












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

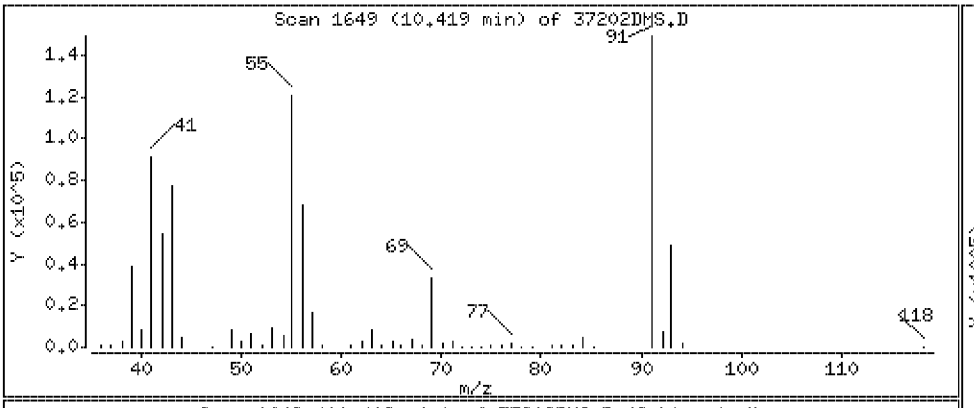
Operator:

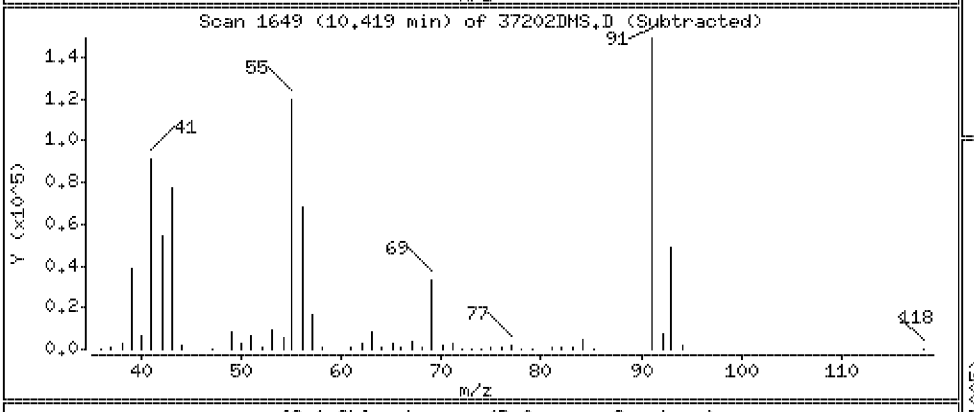
Column phase: DB-624

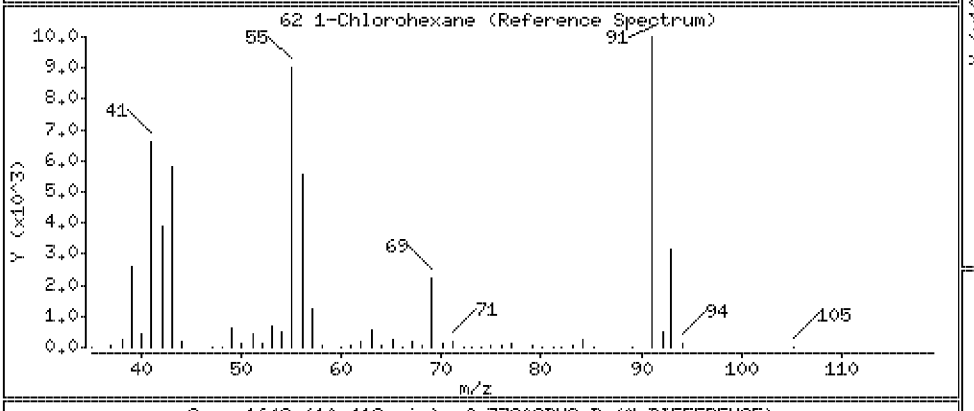
Column diameter: 0.18

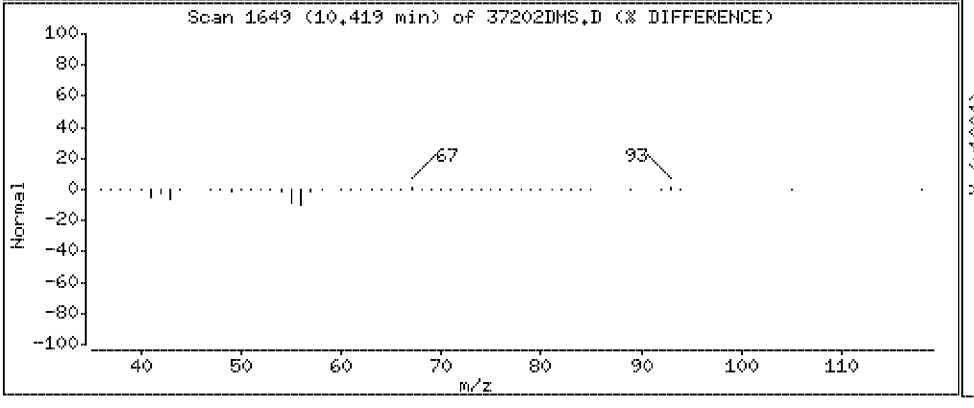
62 1-Chlorohexane

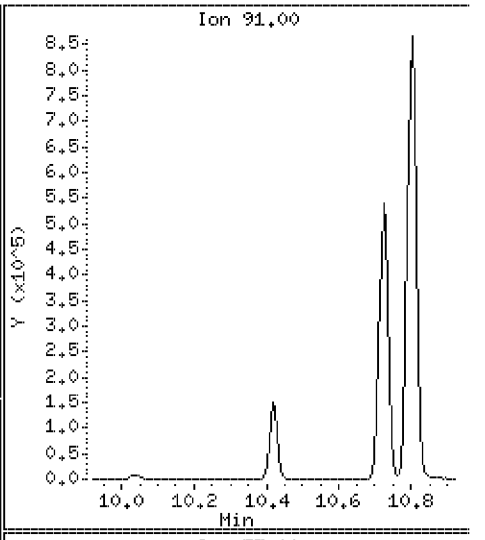
Concentration: 212 ug/l

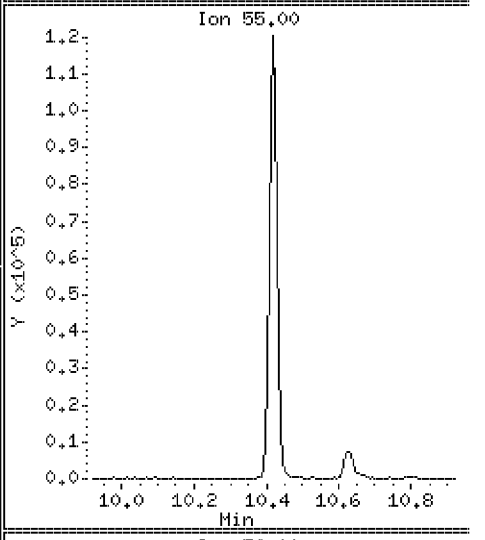


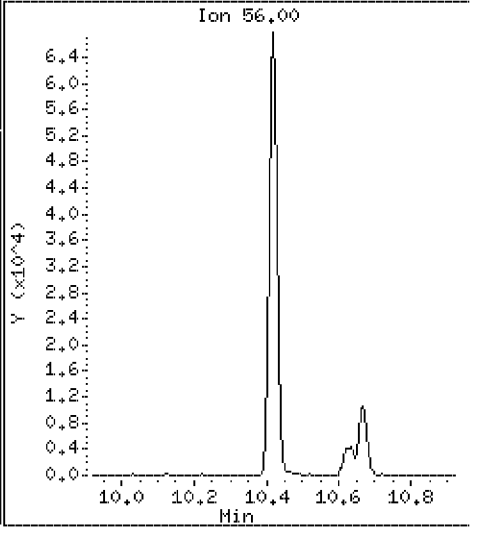












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

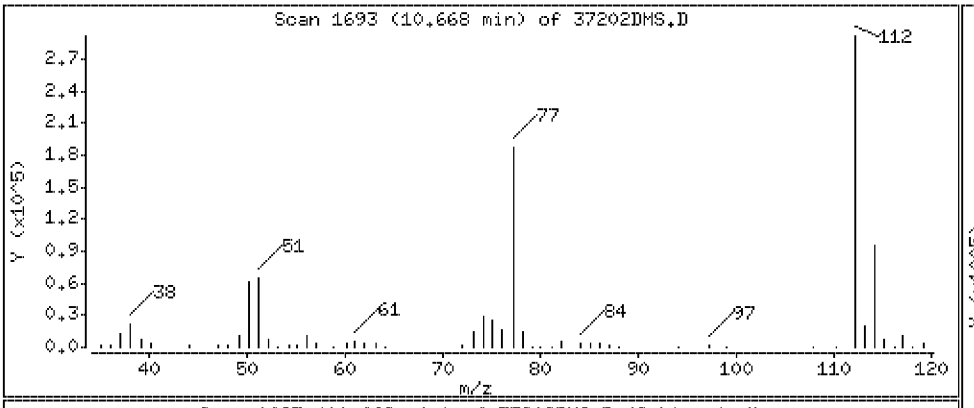
Operator:

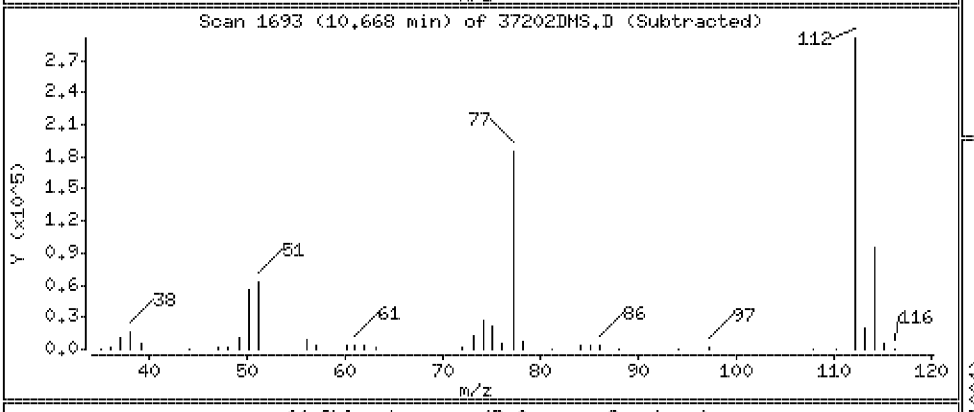
Column phase: DB-624

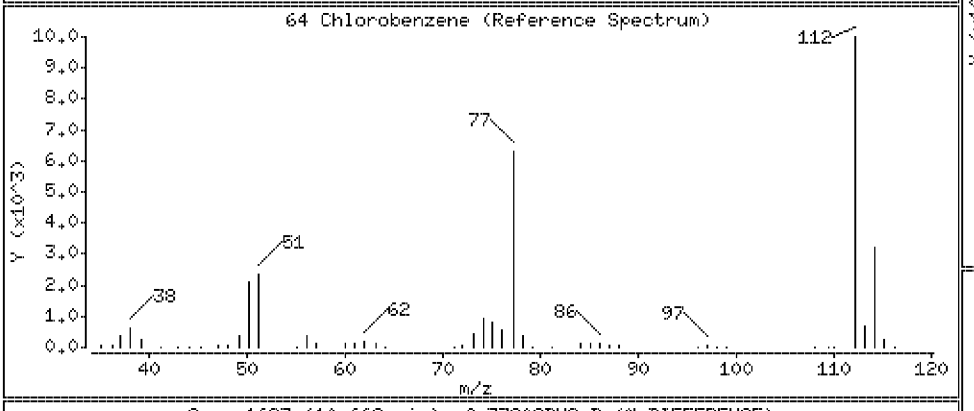
Column diameter: 0.18

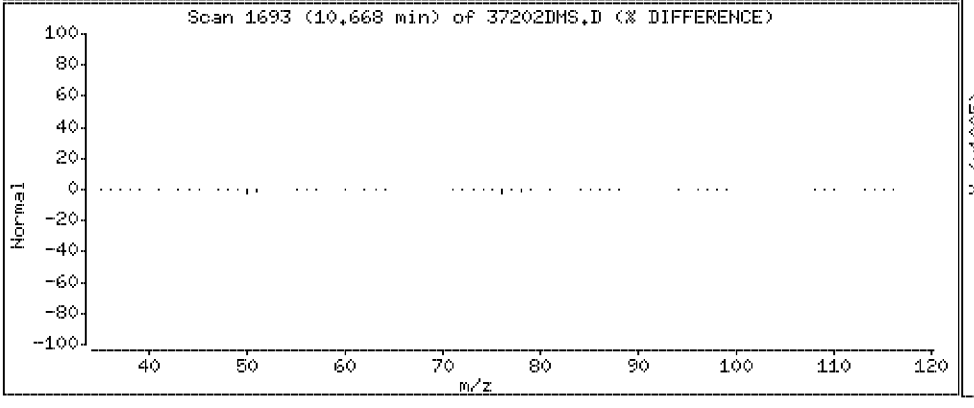
64 Chlorobenzene

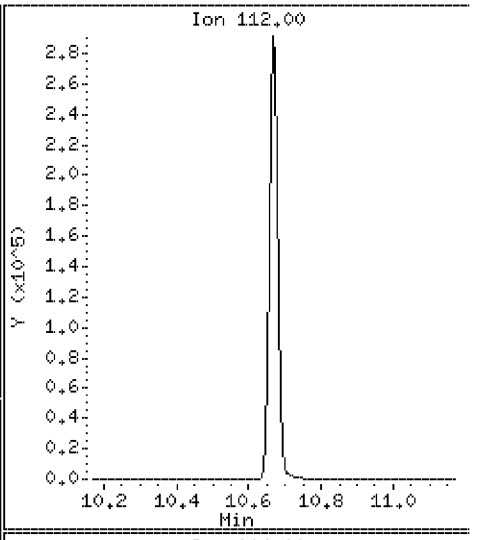
Concentration: 202 ug/l

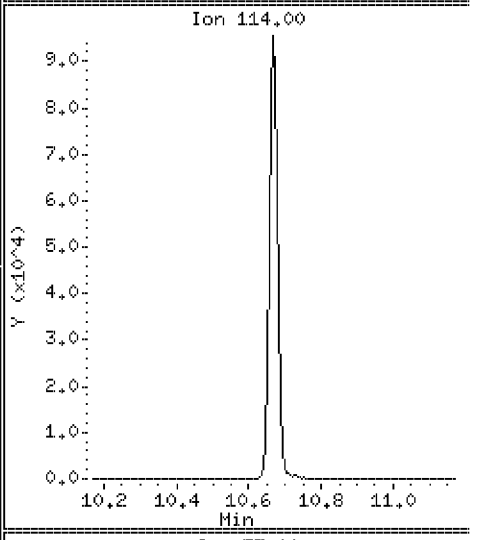


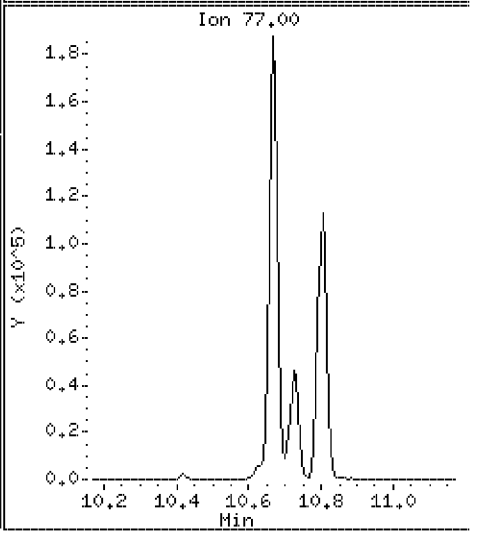












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

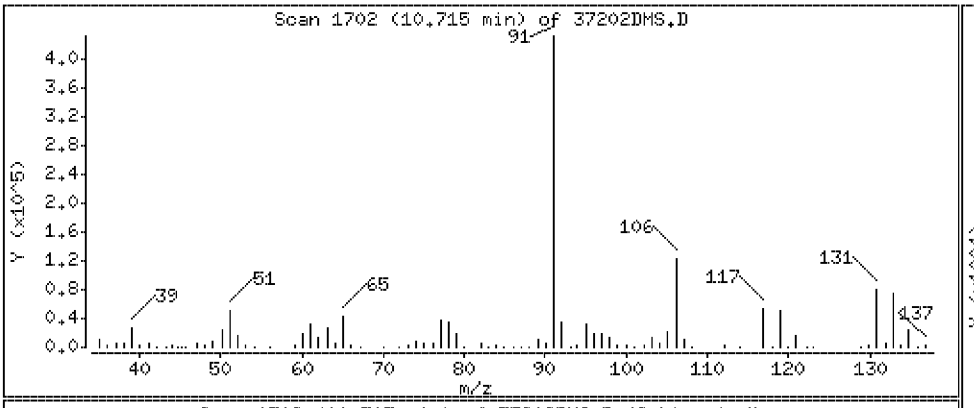
Operator:

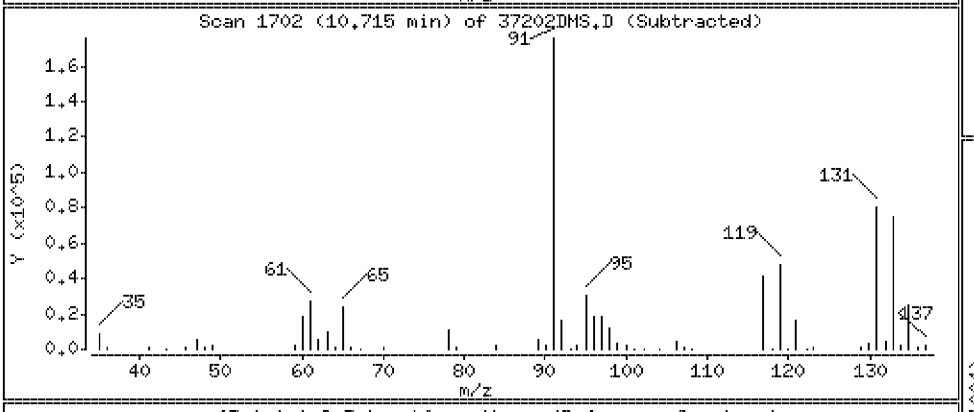
Column phase: DB-624

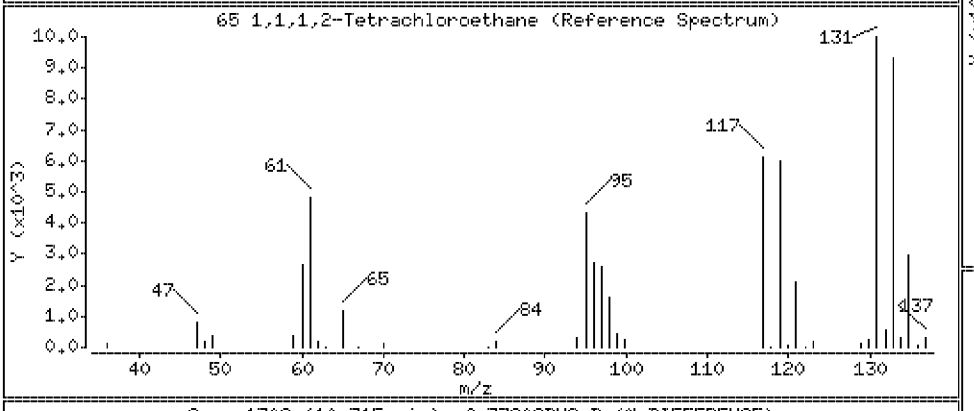
Column diameter: 0.18

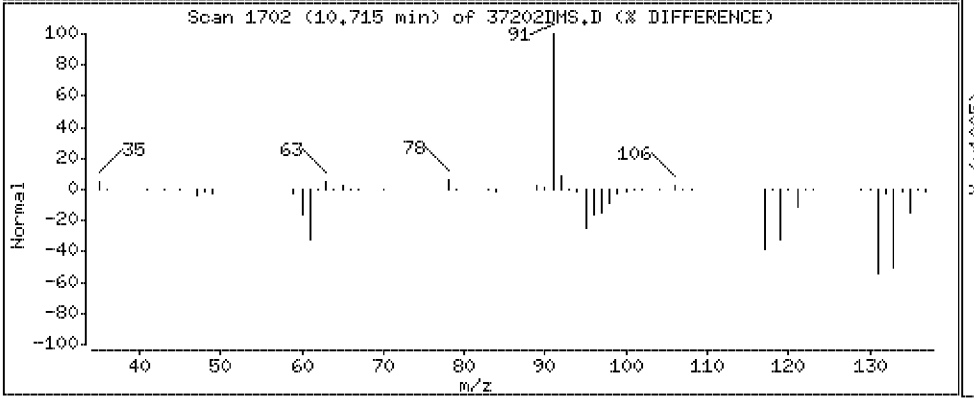
65 1,1,1,2-Tetrachloroethane

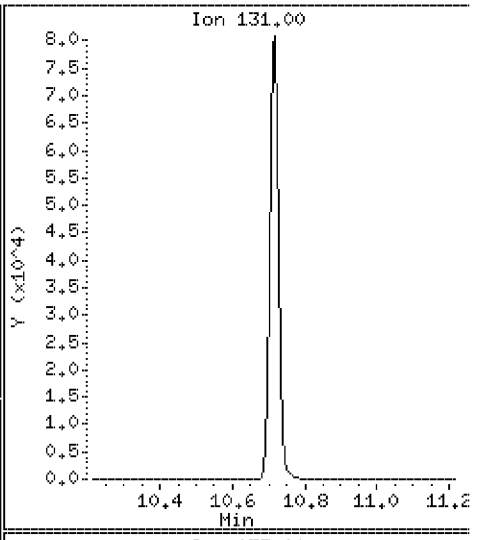
Concentration: 206 ug/l

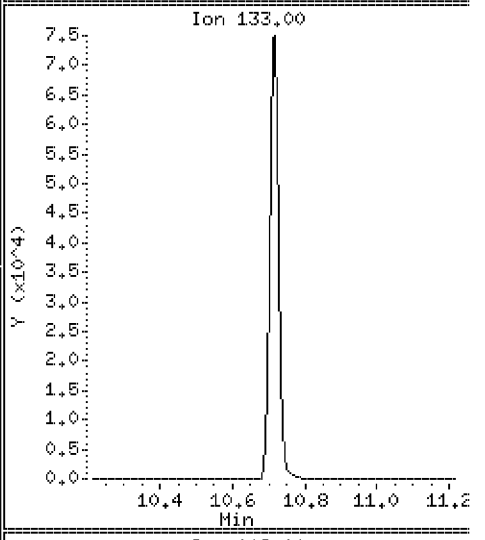


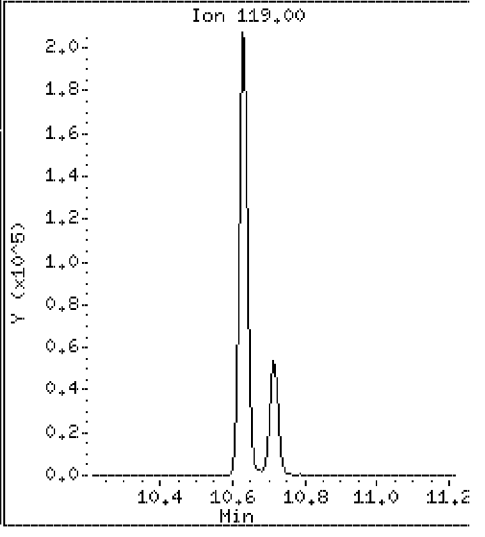












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

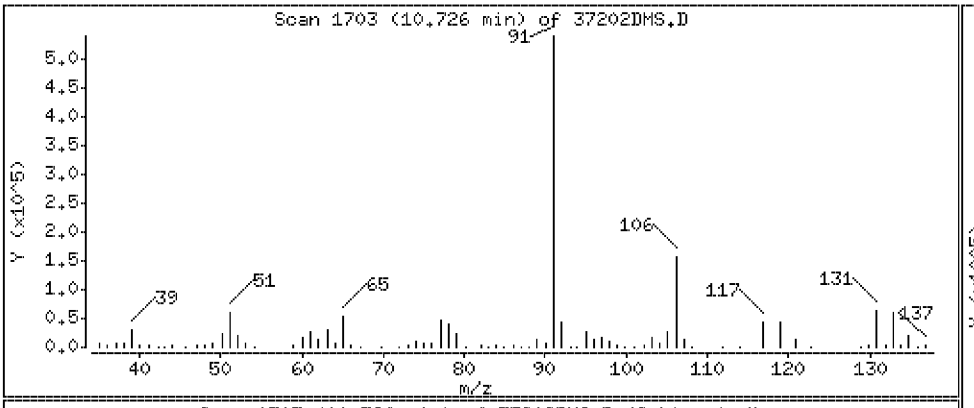
Operator:

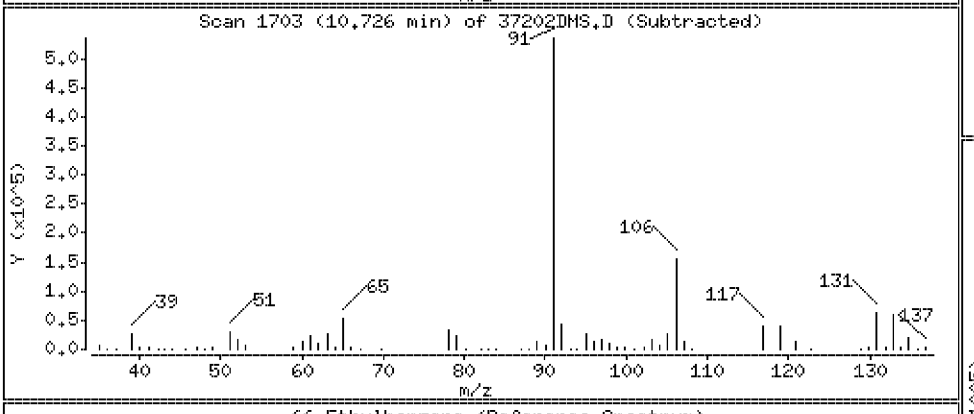
Column phase: DB-624

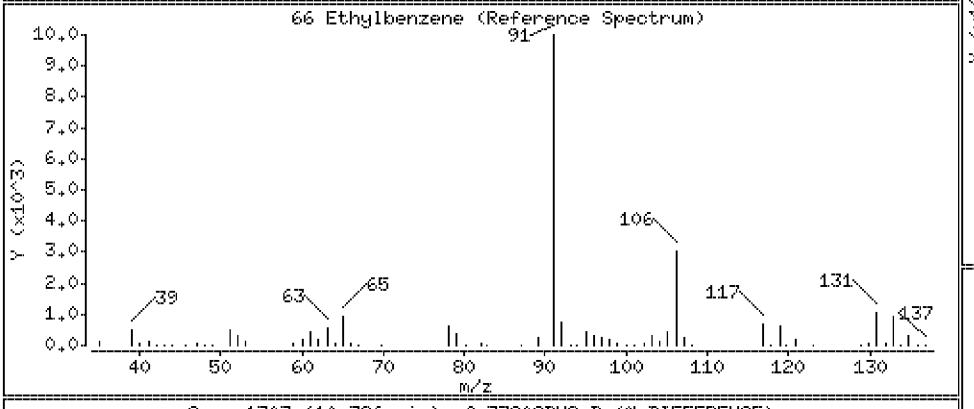
Column diameter: 0.18

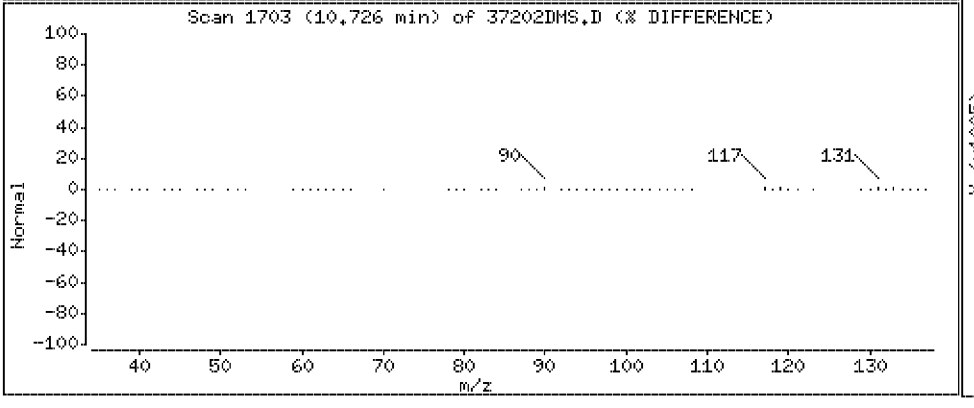
66 Ethylbenzene

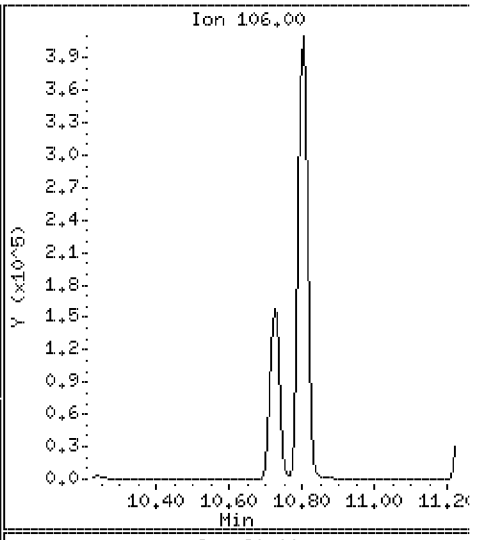
Concentration: 197 ug/l

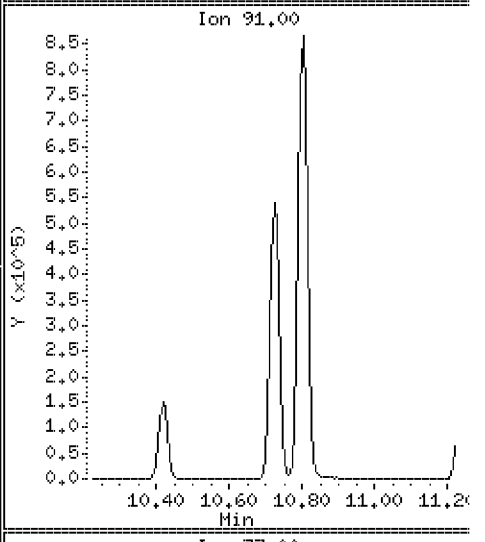


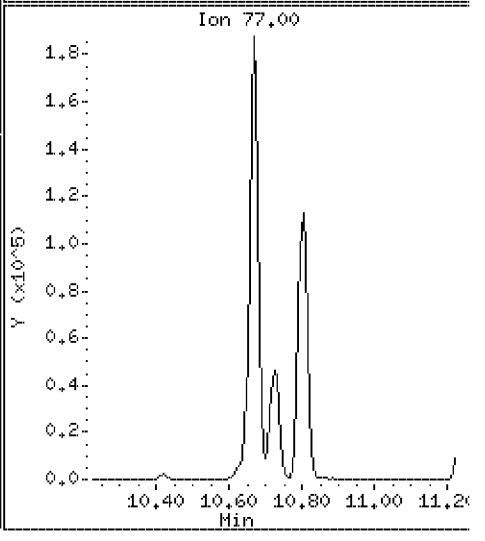












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

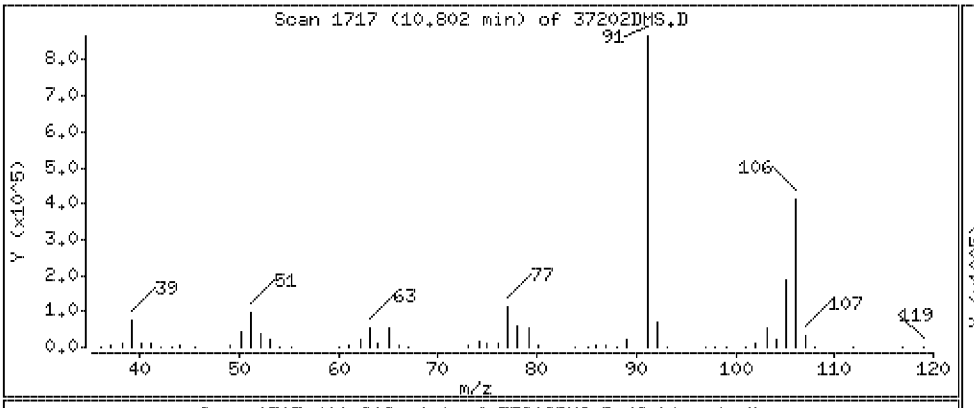
Operator:

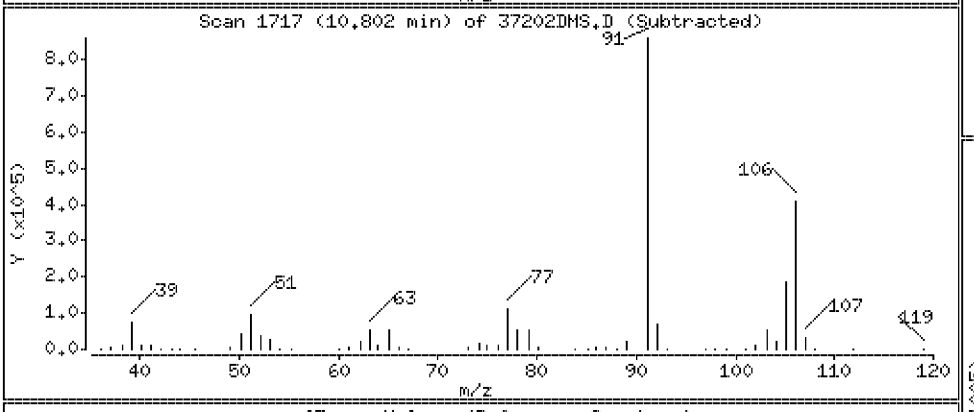
Column phase: DB-624

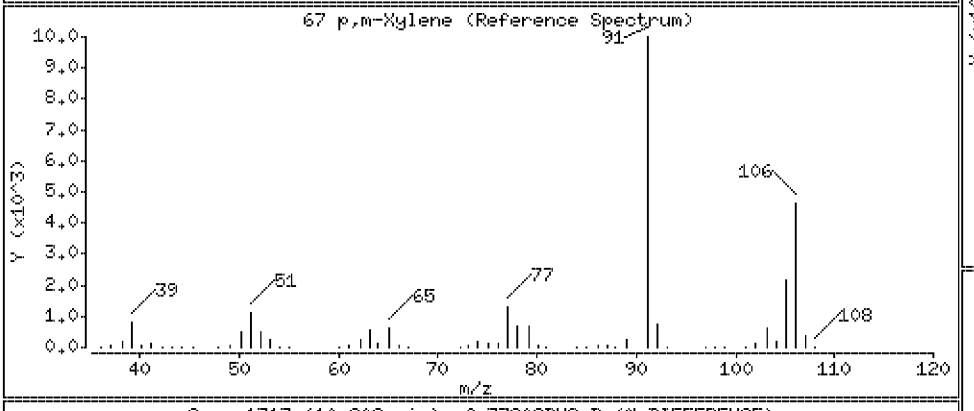
Column diameter: 0.18

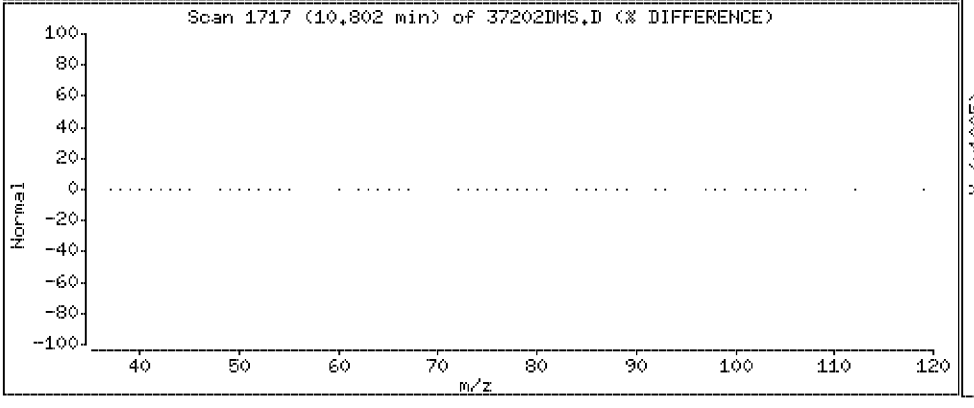
67 p,m-Xylene

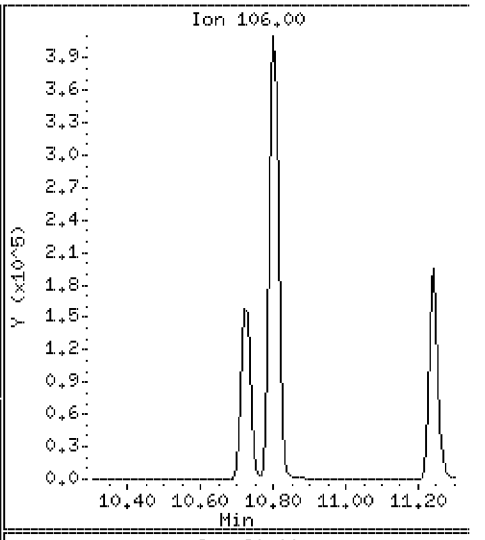
Concentration: 396 ug/l

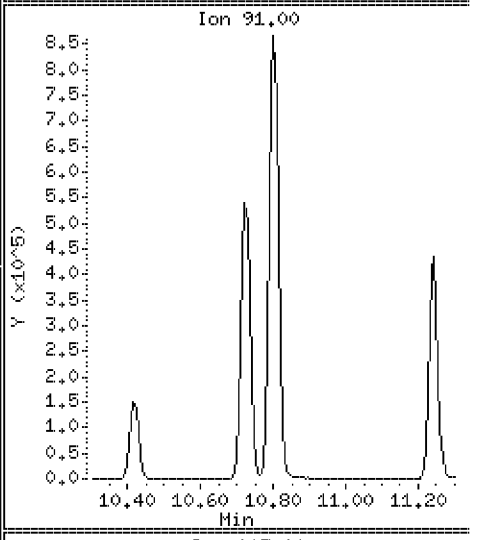


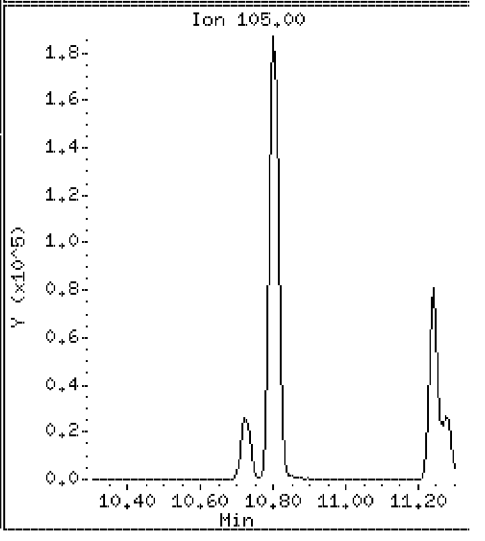












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

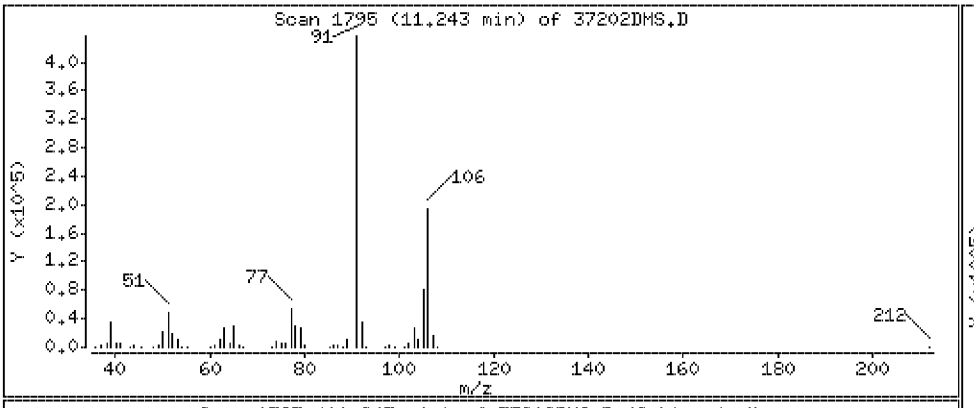
Operator:

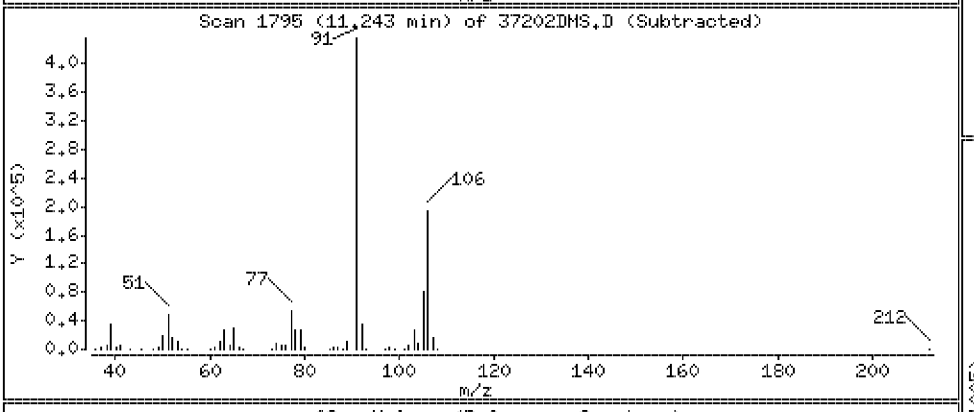
Column phase: DB-624

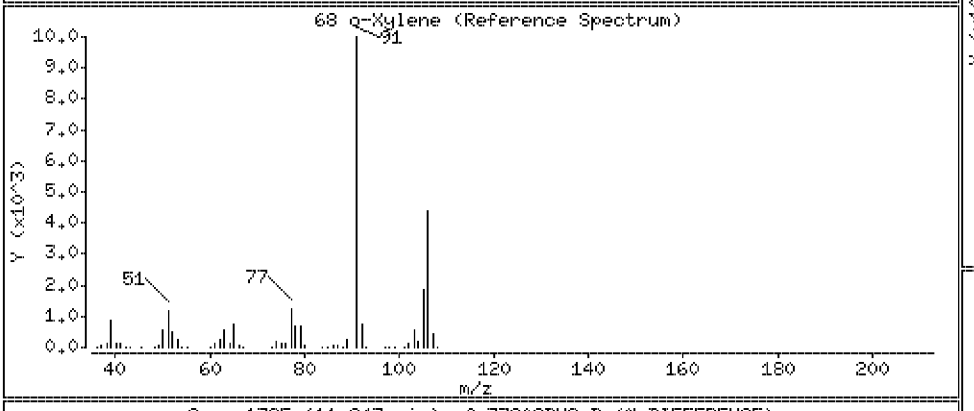
Column diameter: 0.18

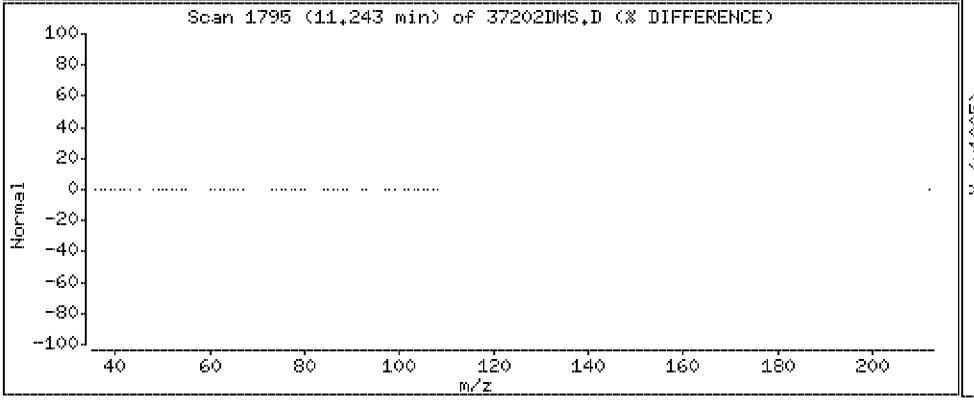
68 o-Xylene

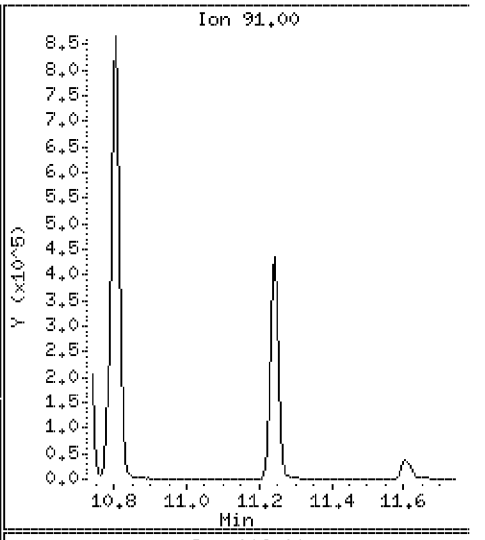
Concentration: 190 ug/l

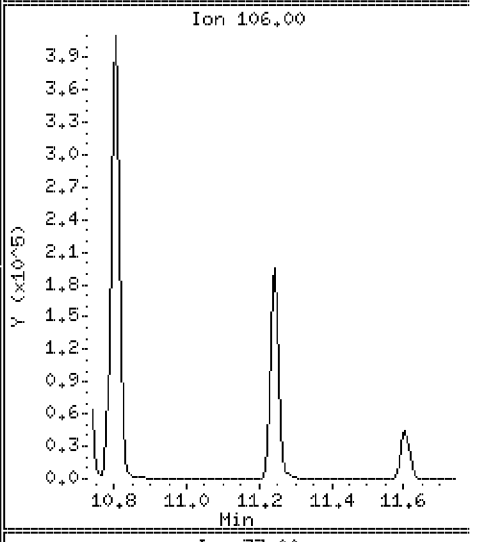


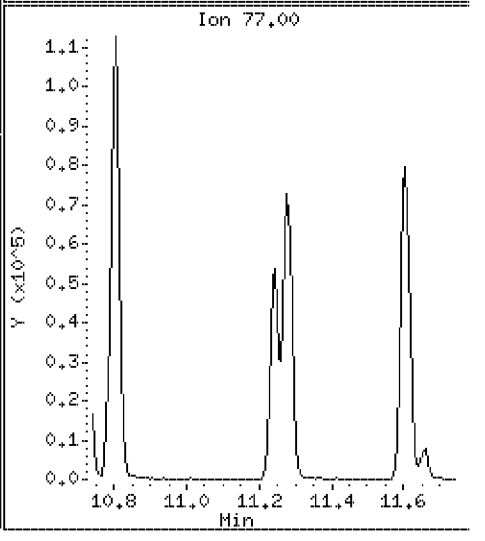












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

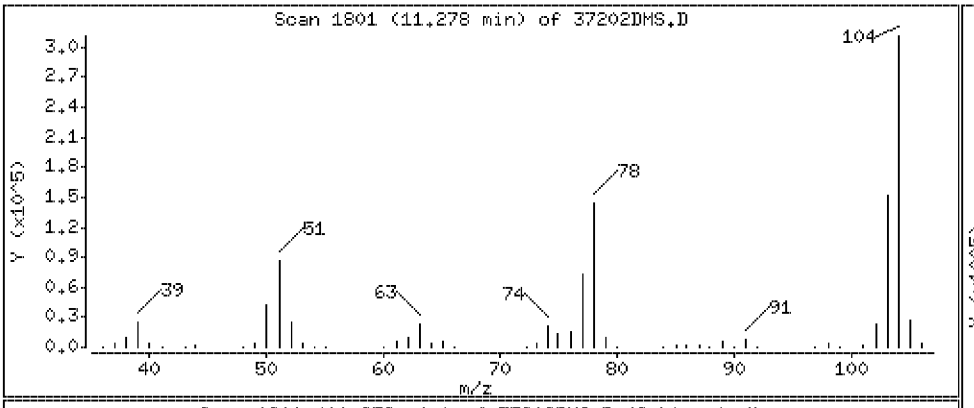
Operator:

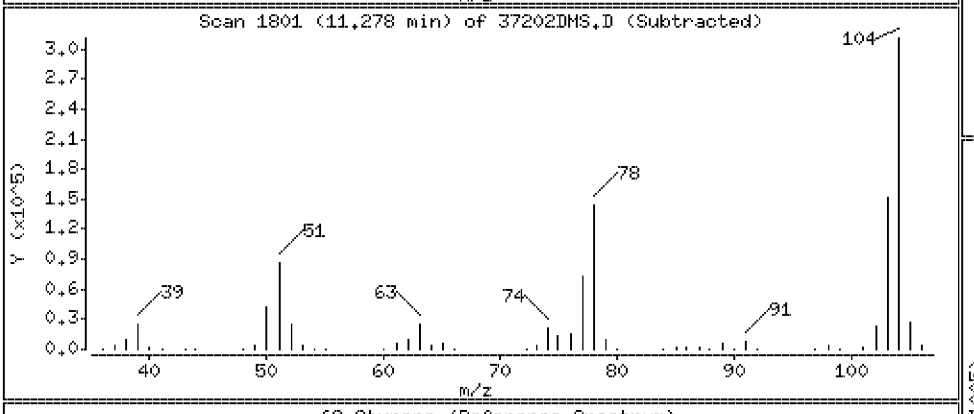
Column phase: DB-624

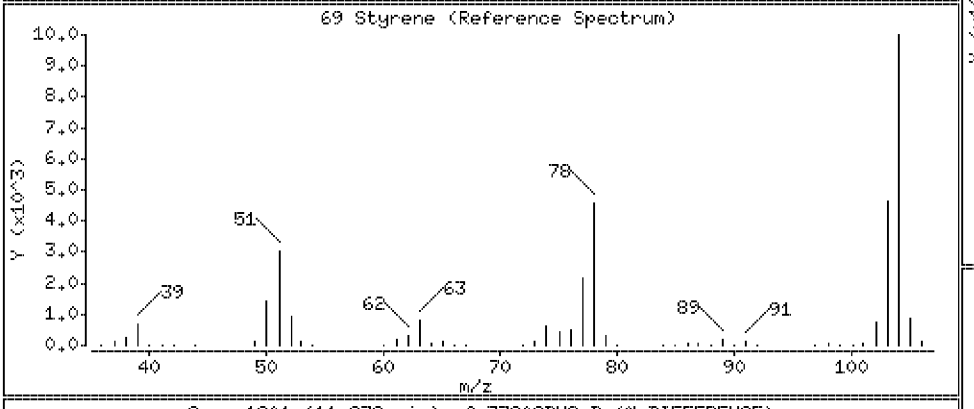
Column diameter: 0.18

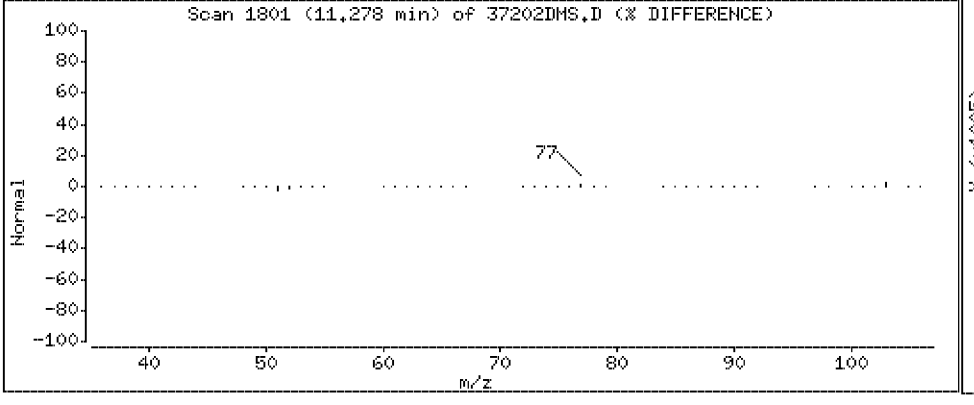
69 Styrene

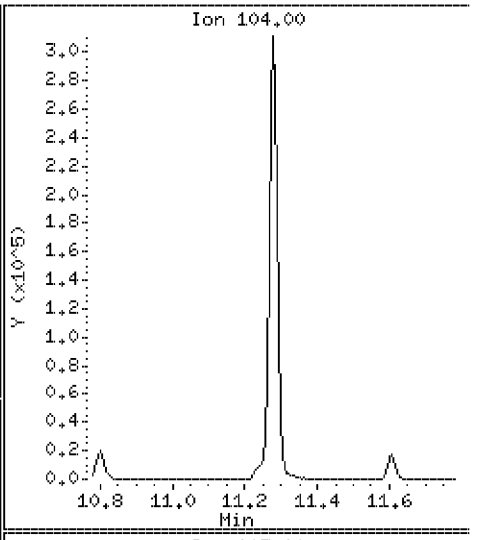
Concentration: 191 ug/l

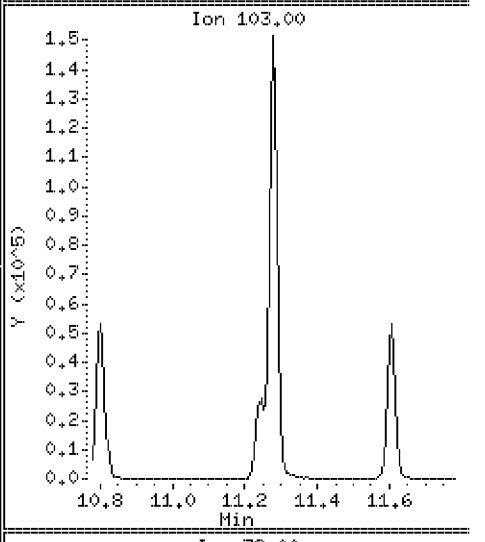


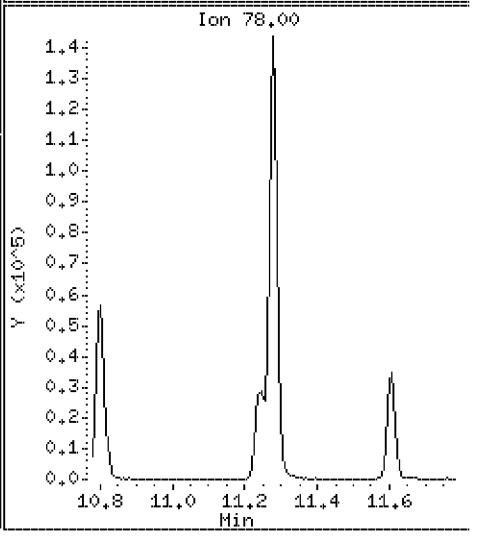












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

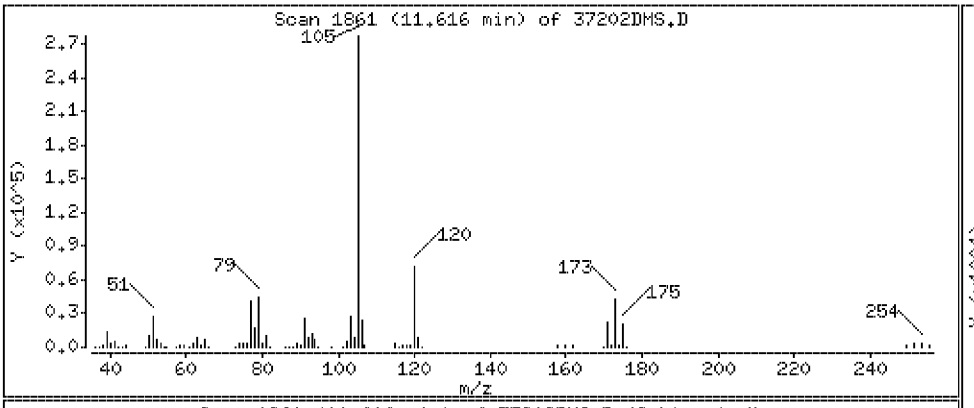
Operator:

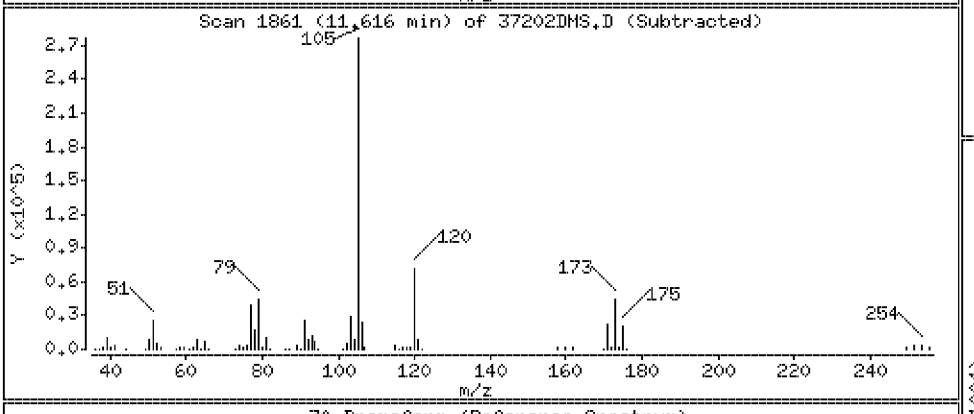
Column phase: DB-624

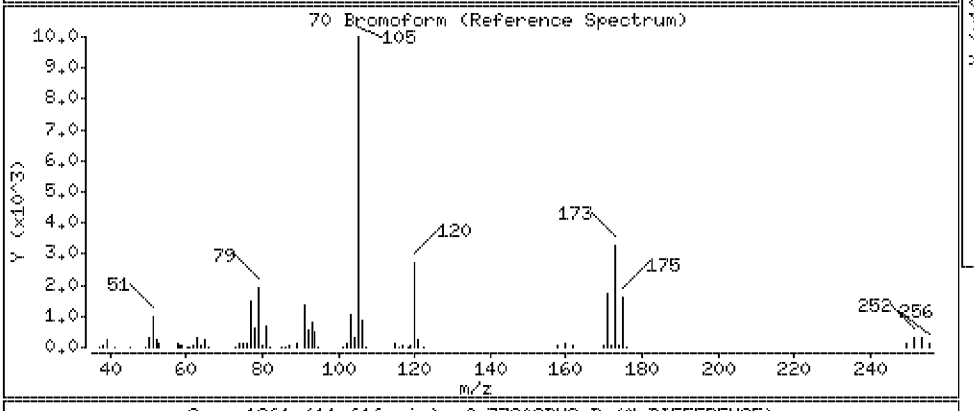
Column diameter: 0.18

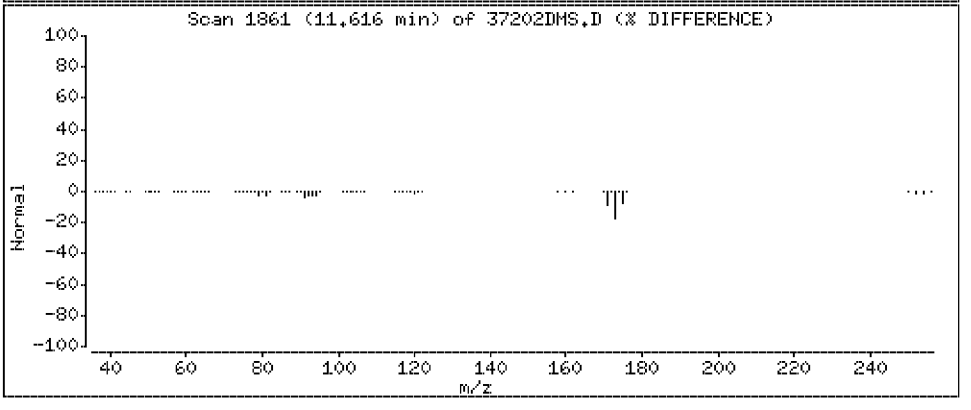
70 Bromoform

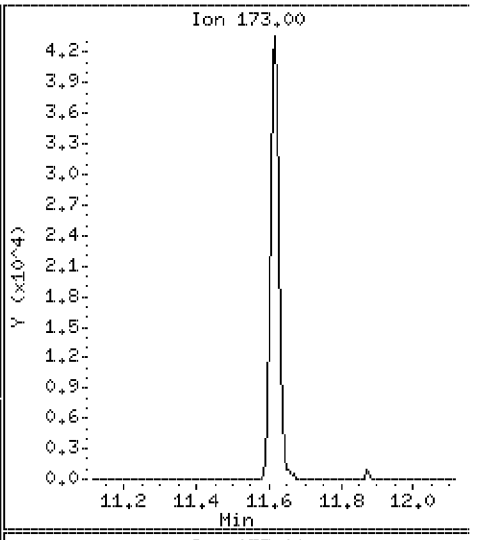
Concentration: 175 ug/l

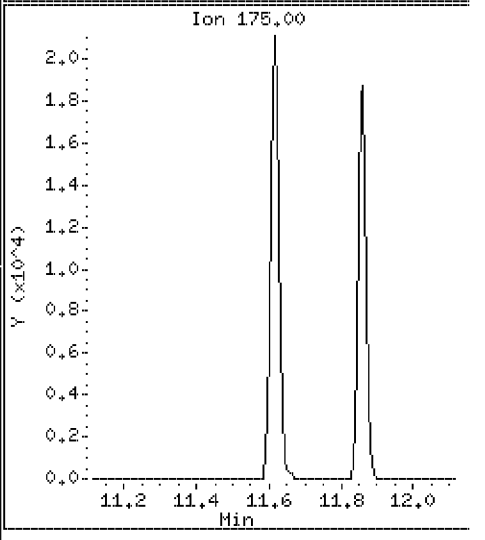












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

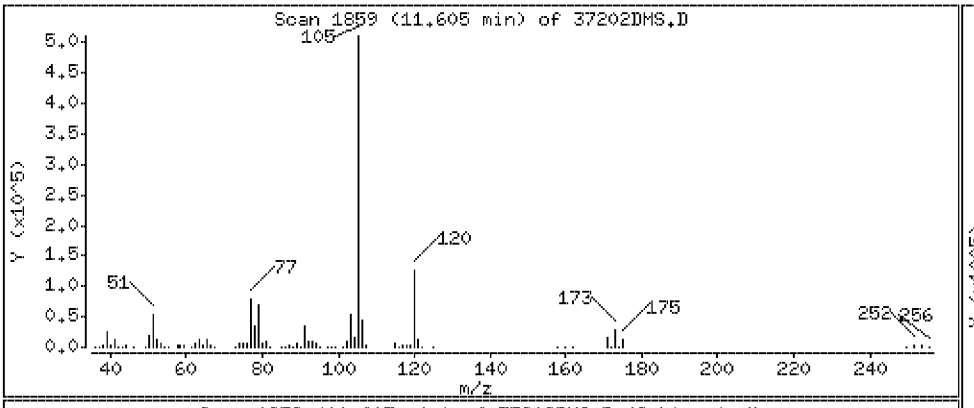
Operator:

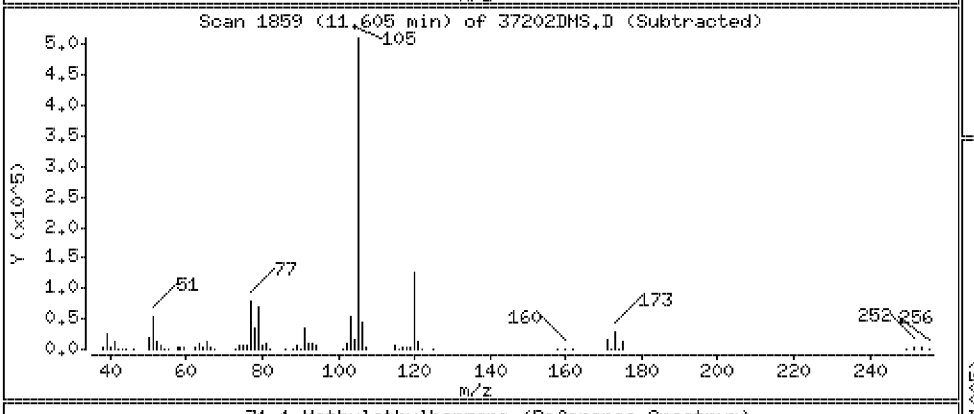
Column phase: DB-624

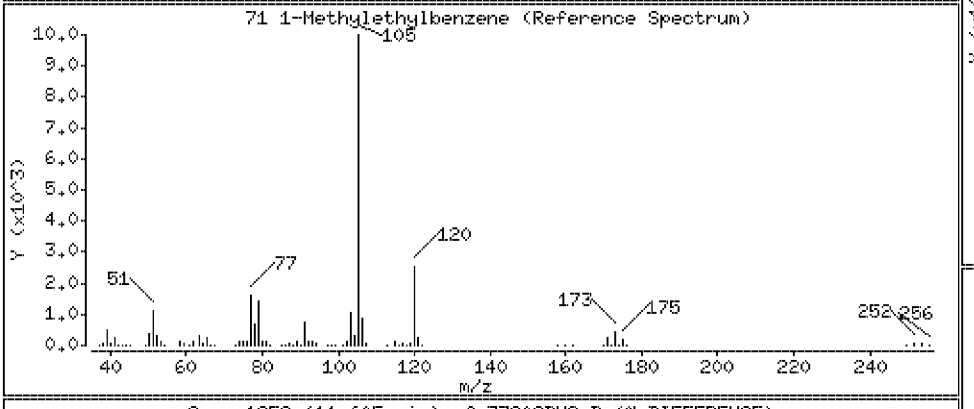
Column diameter: 0.18

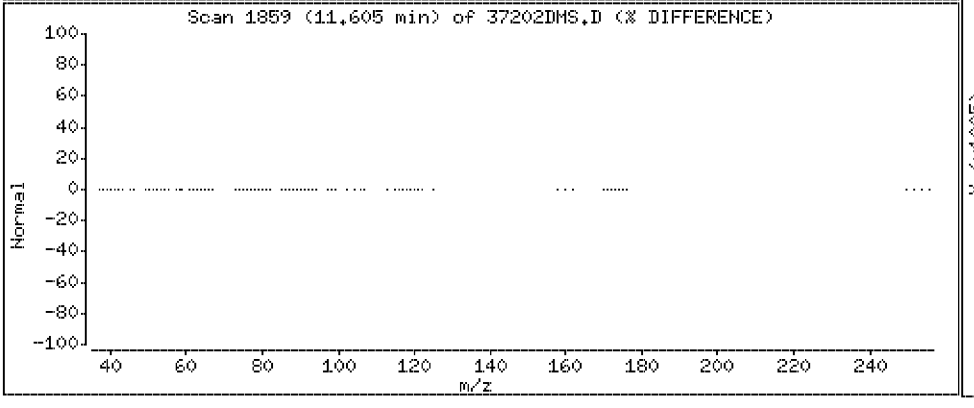
71 1-Methylethylbenzene

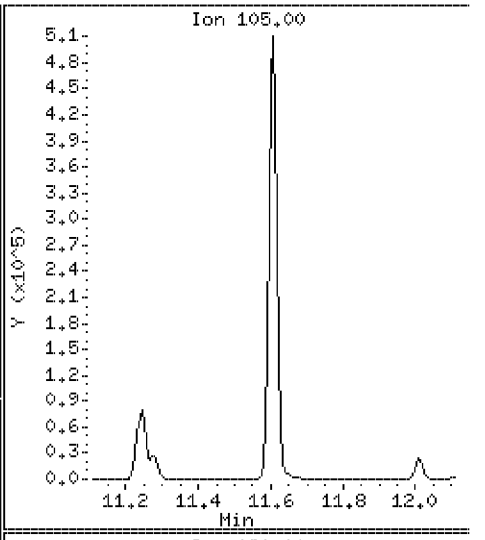
Concentration: 206 ug/l

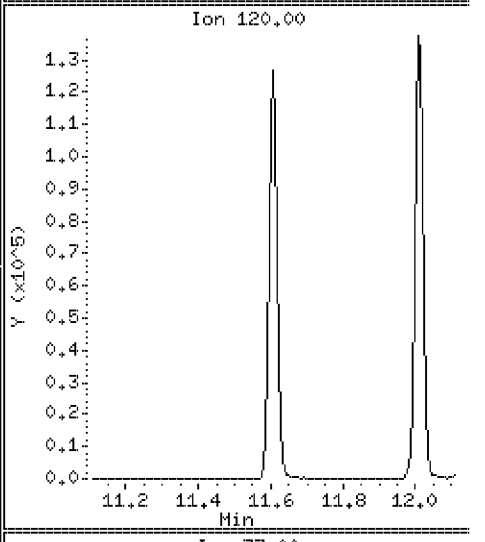


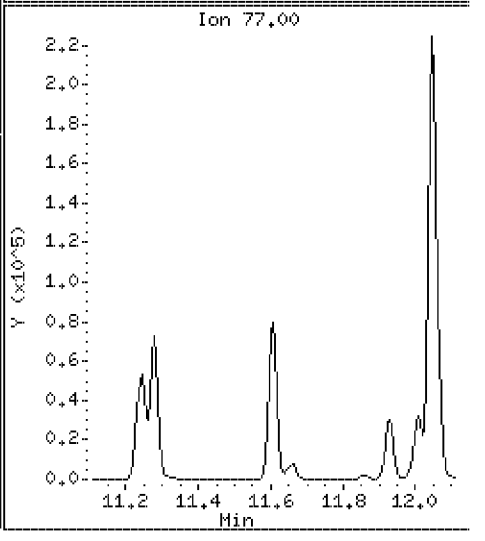












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

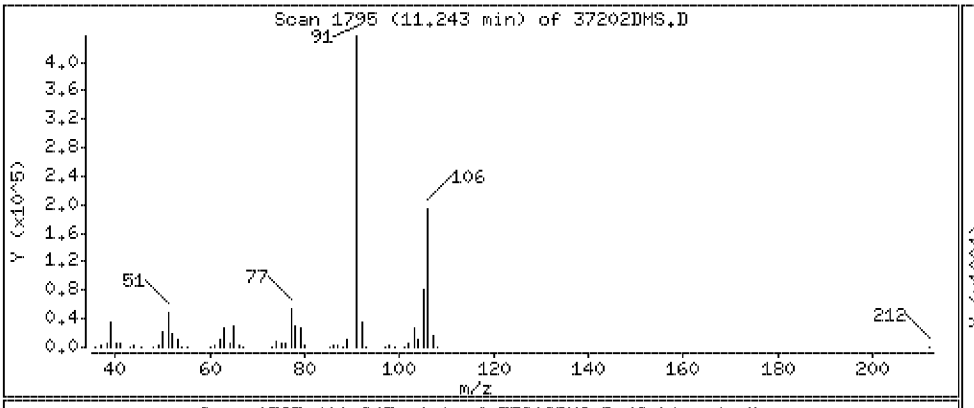
Operator:

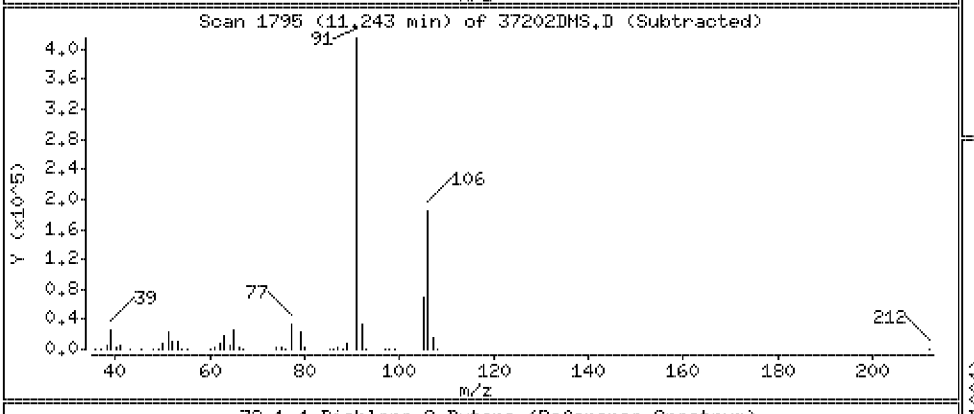
Column phase: DB-624

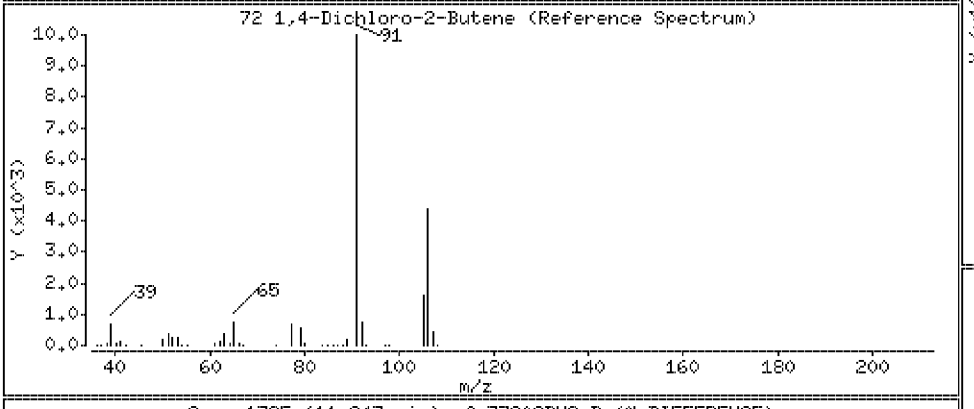
Column diameter: 0.18

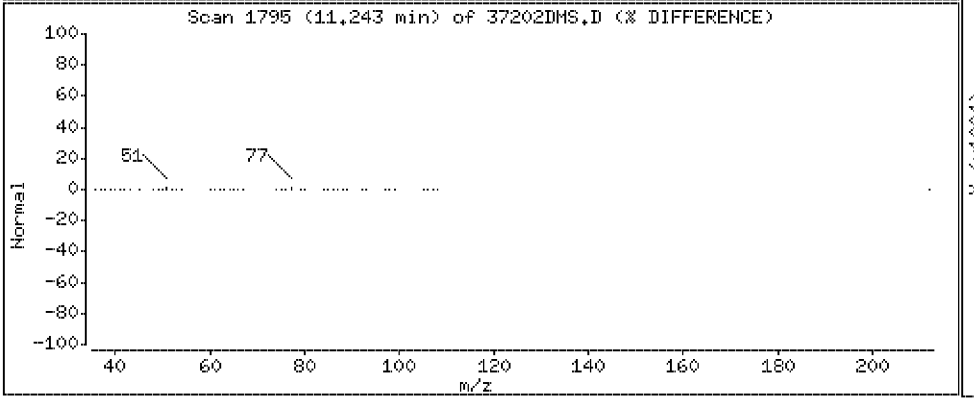
72 1,4-Dichloro-2-Butene

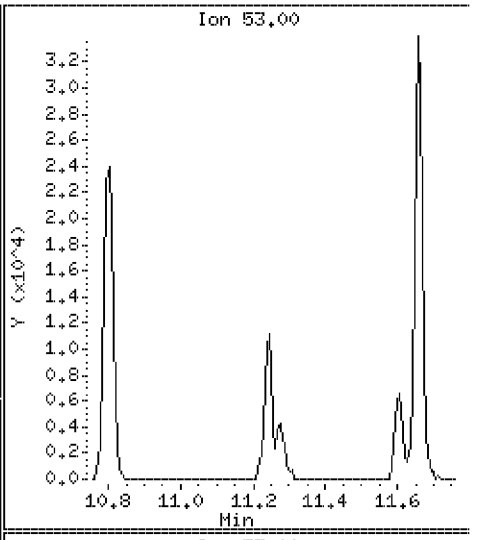
Concentration: 881 ug/l

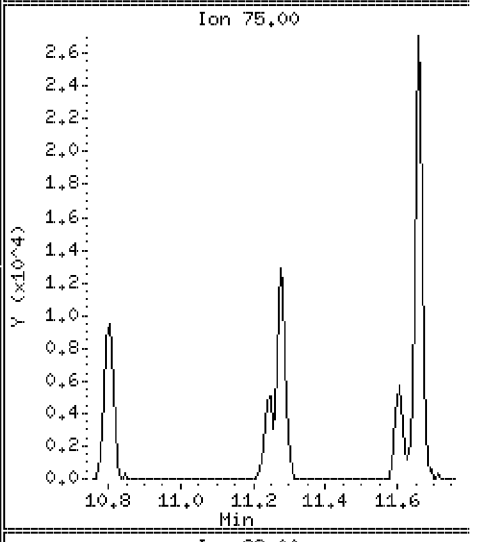


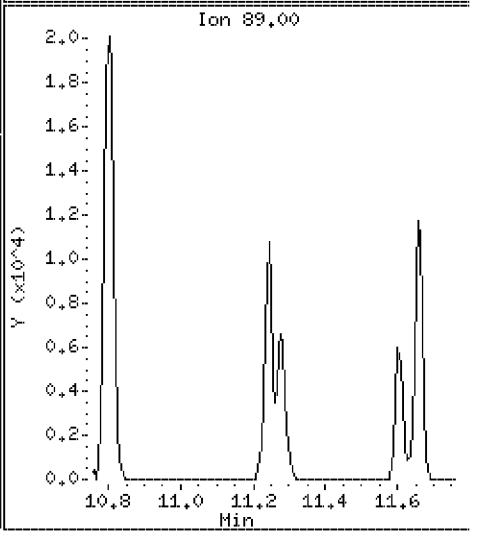












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

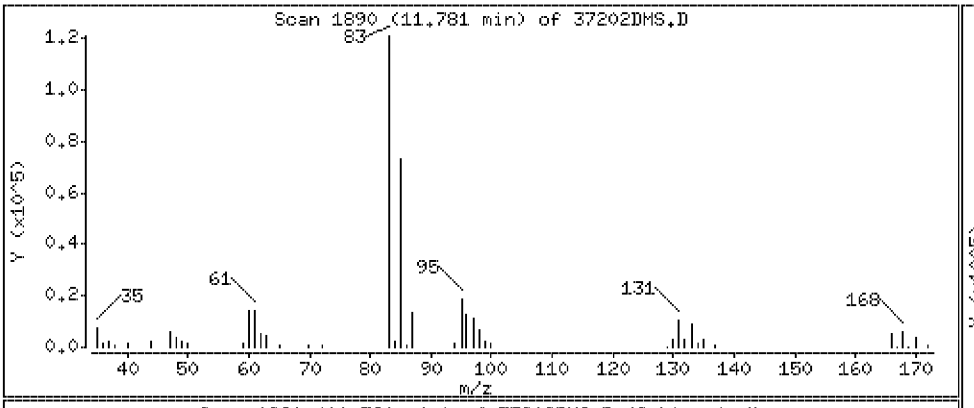
Operator:

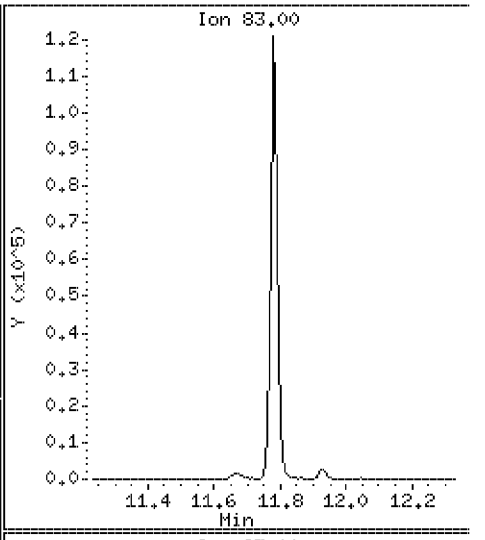
Column phase: DB-624

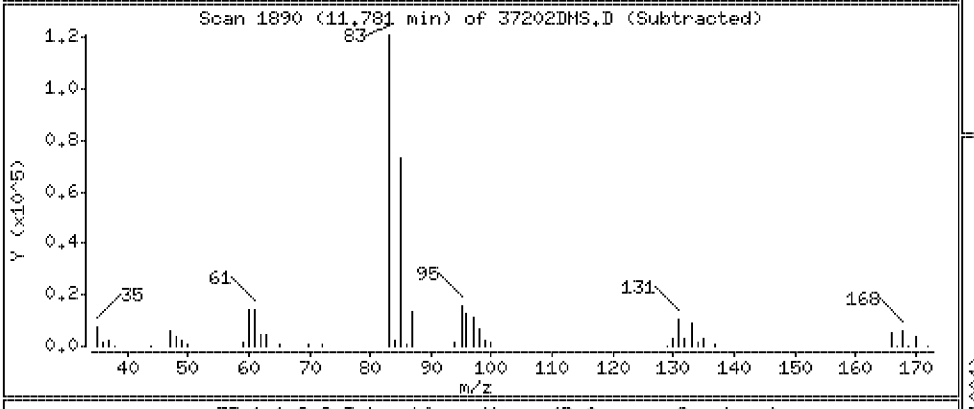
Column diameter: 0.18

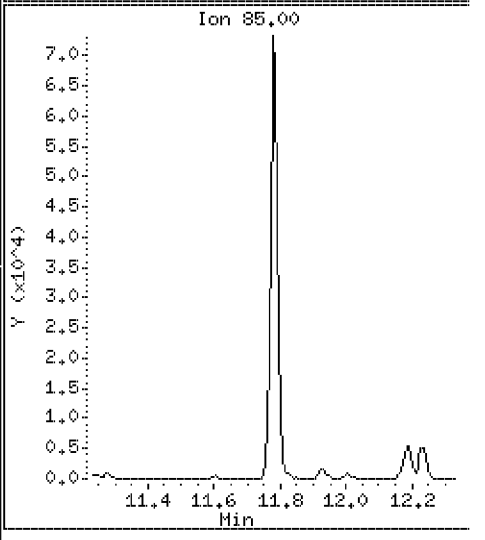
73 1,1,2,2-Tetrachloroethane

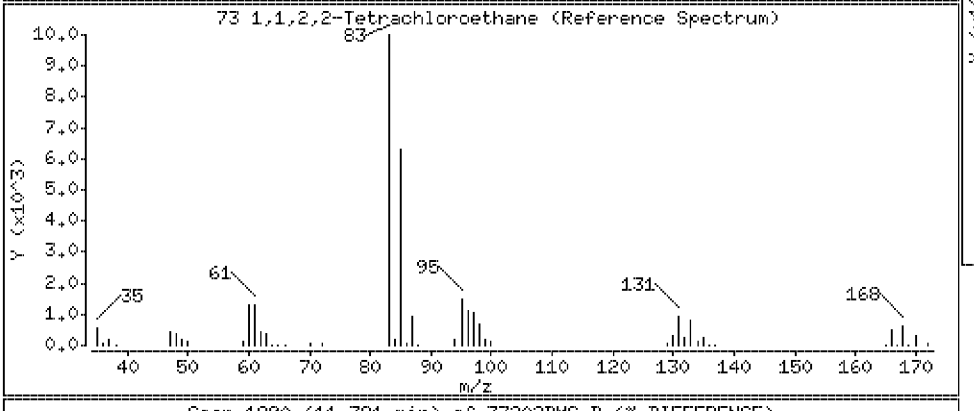
Concentration: 177 ug/l

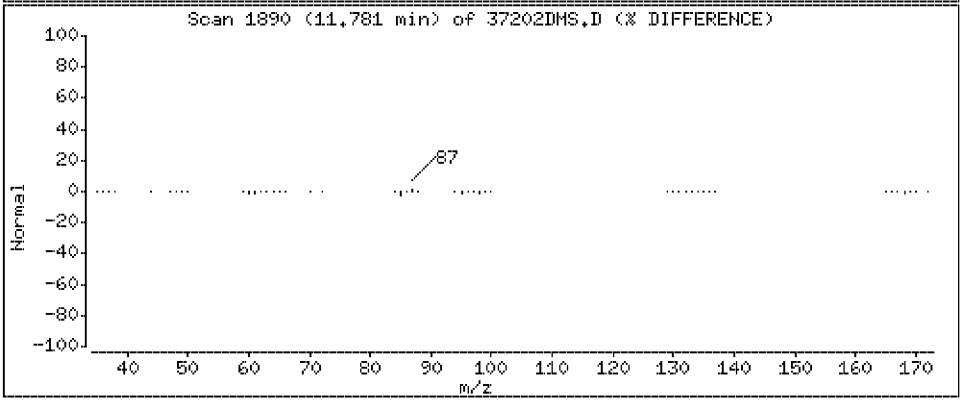












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

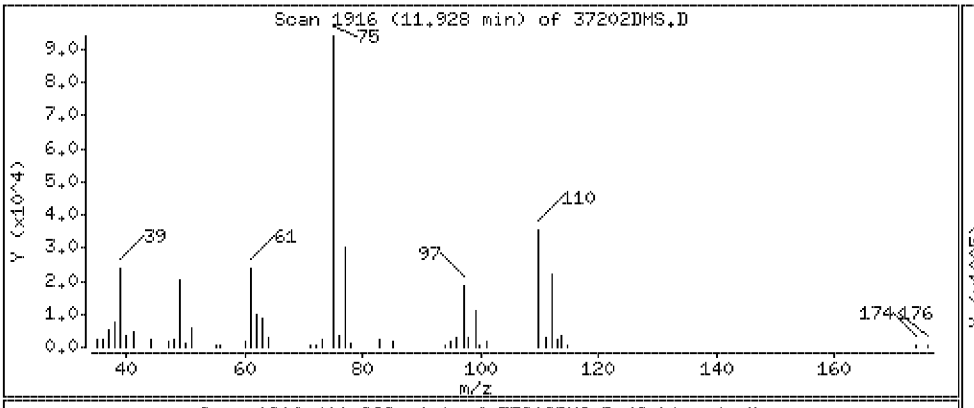
Operator:

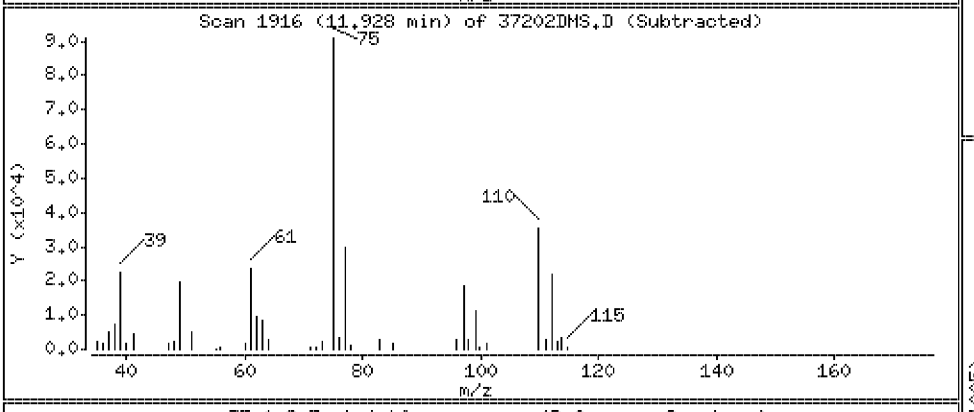
Column phase: DB-624

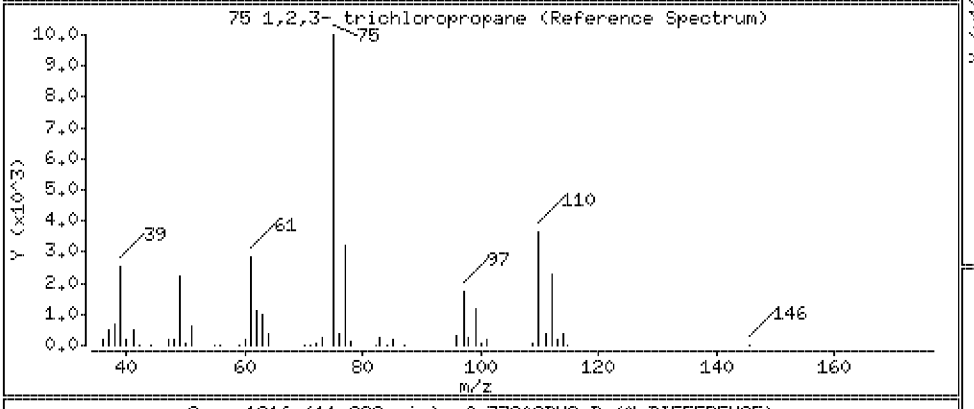
Column diameter: 0.18

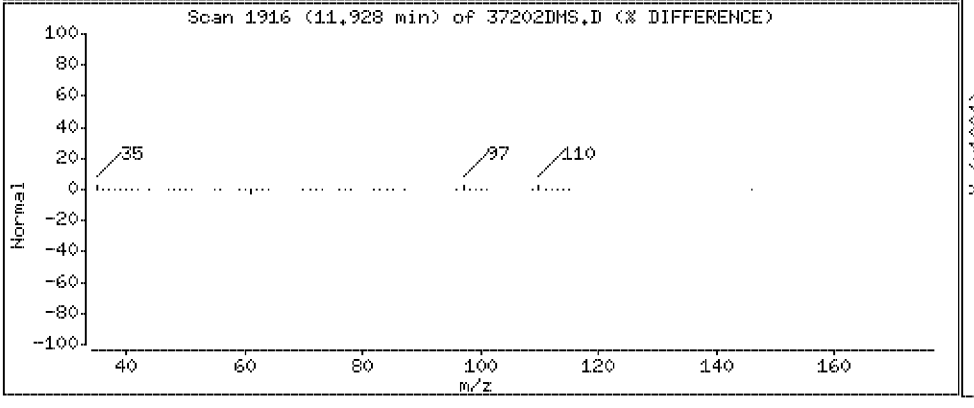
75 1,2,3- trichloropropane

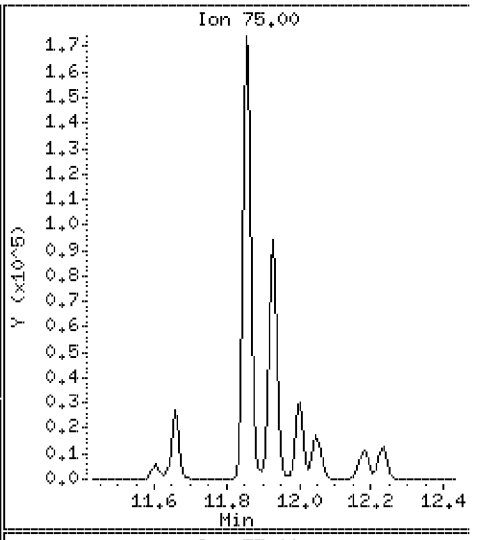
Concentration: 180 ug/l

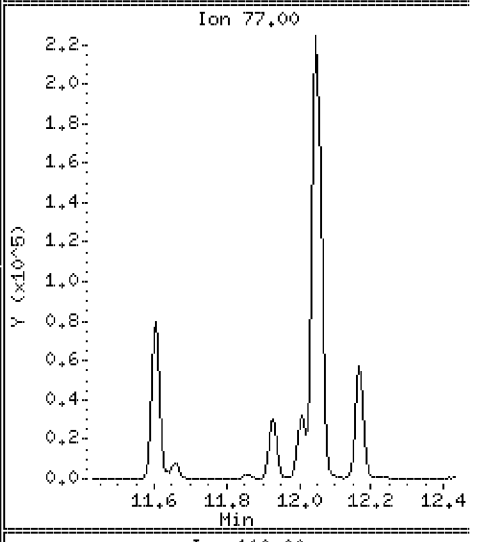


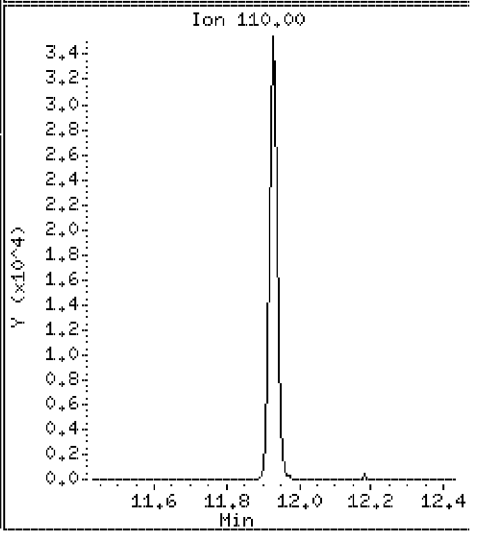












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

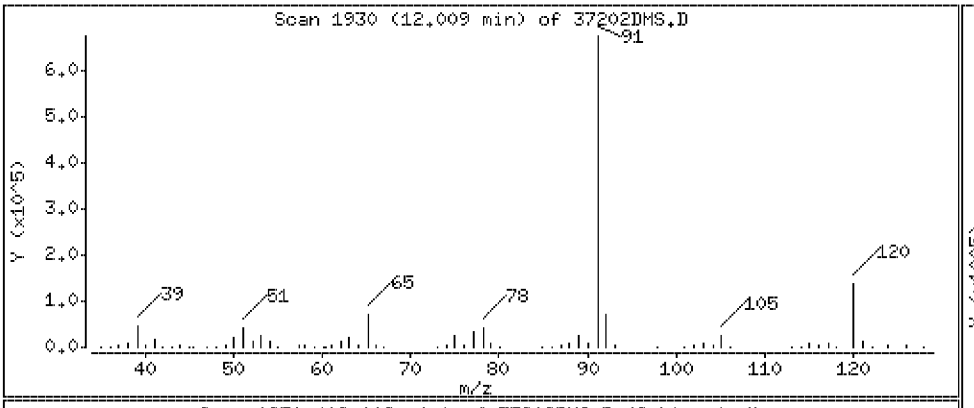
Operator:

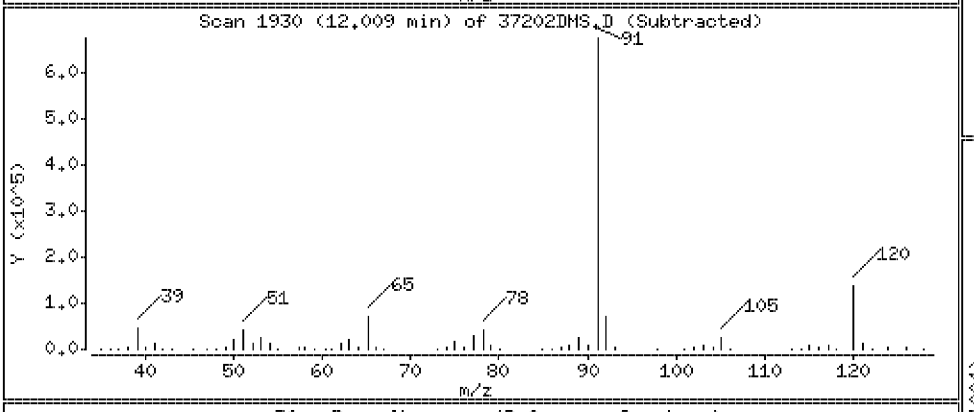
Column phase: DB-624

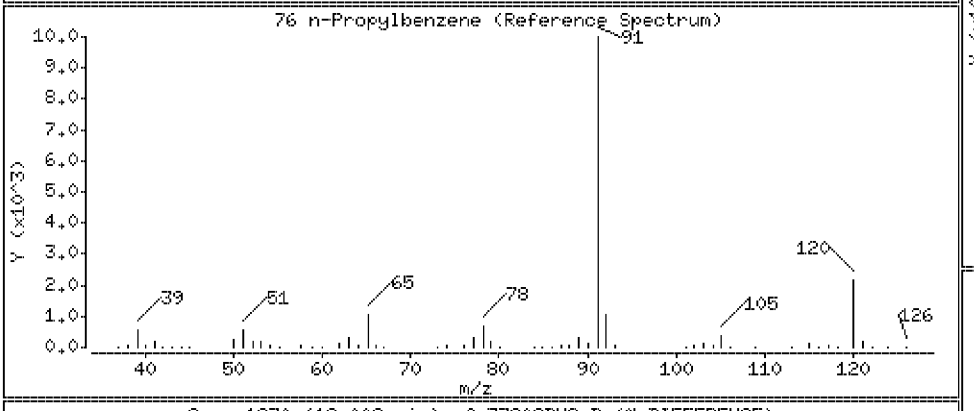
Column diameter: 0.18

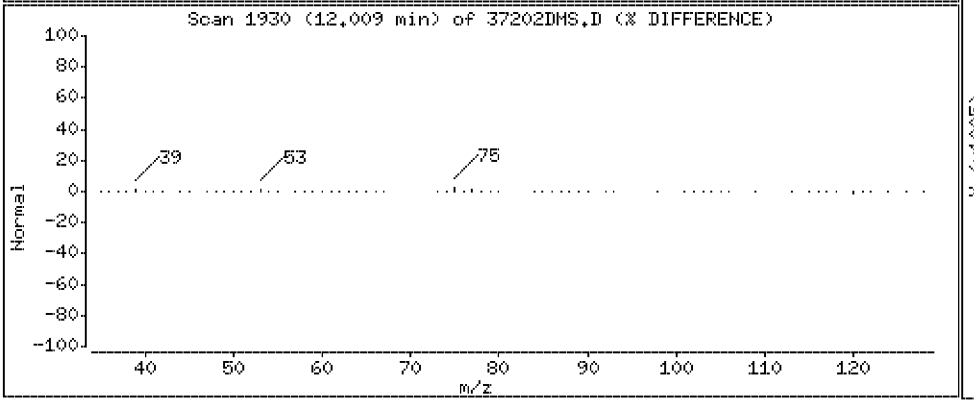
76 n-Propylbenzene

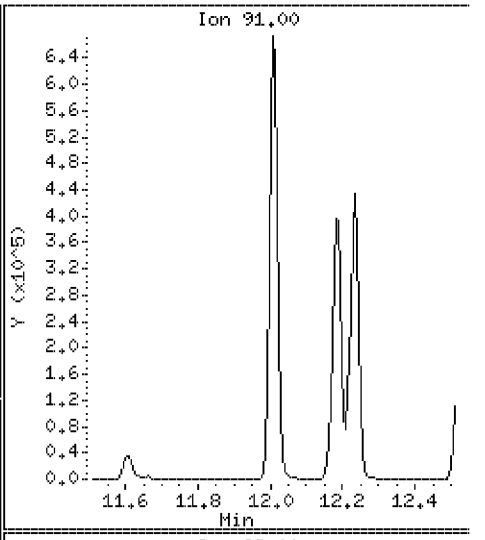
Concentration: 198 ug/l

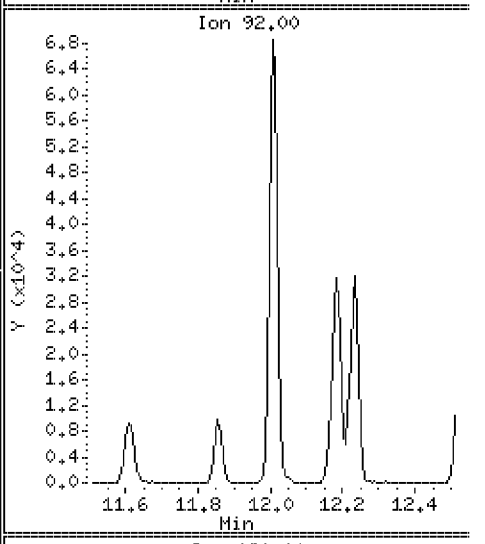


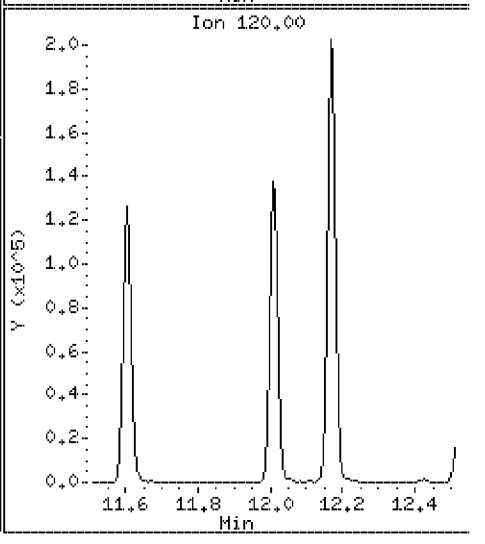












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

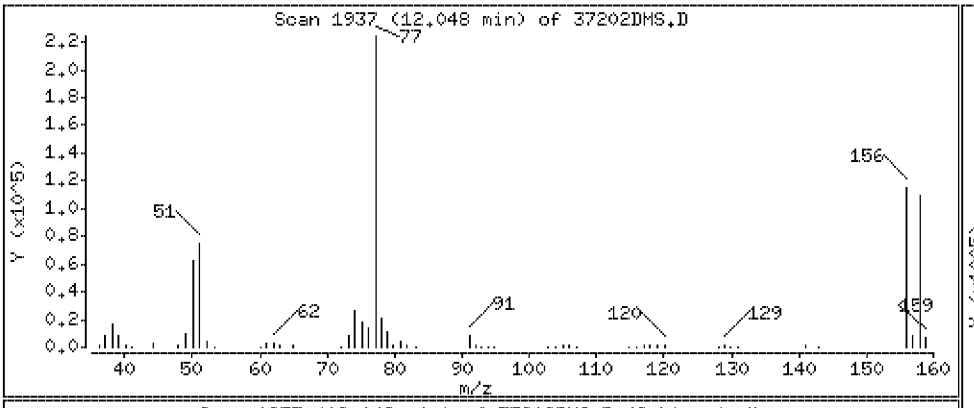
Operator:

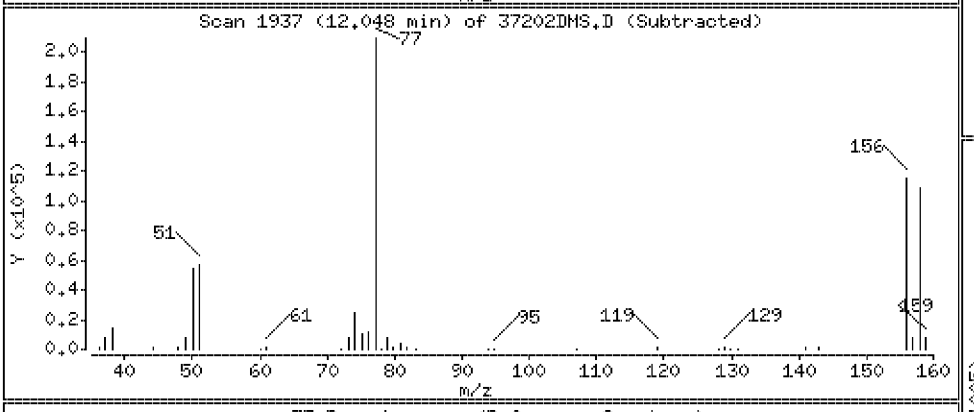
Column phase: DB-624

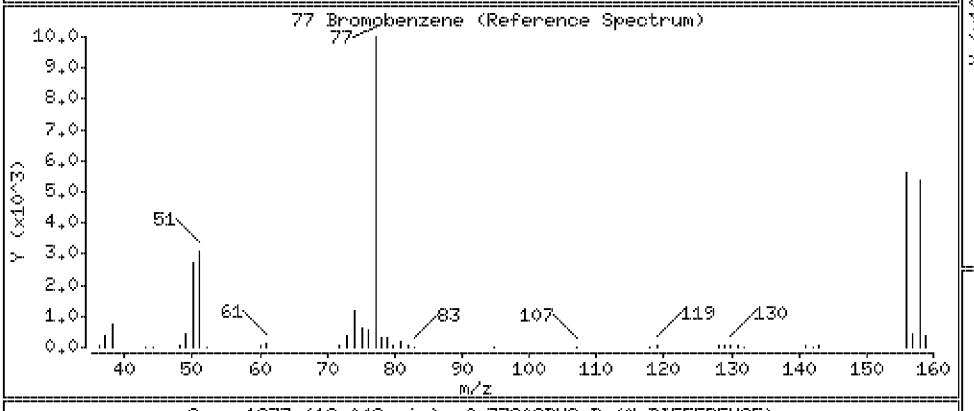
Column diameter: 0.18

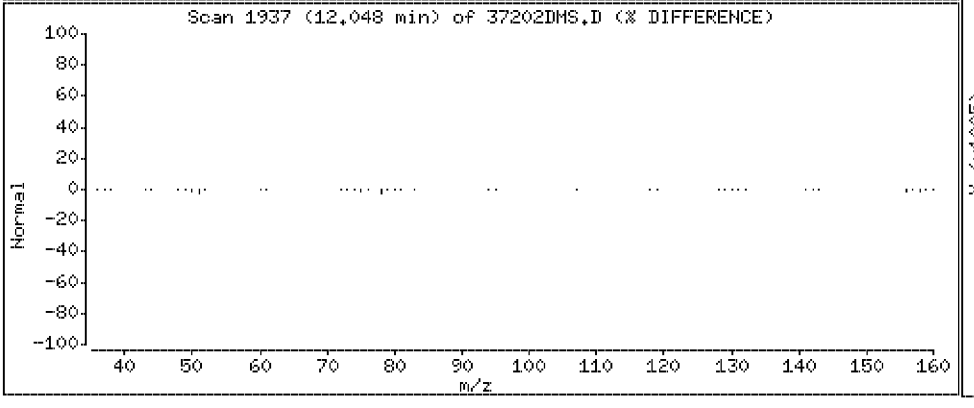
77 Bromobenzene

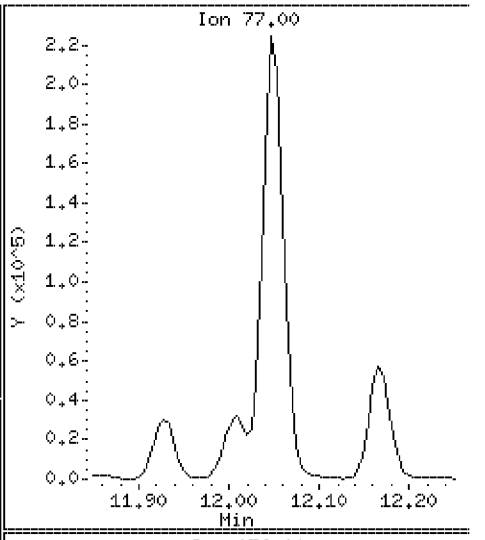
Concentration: 186 ug/l

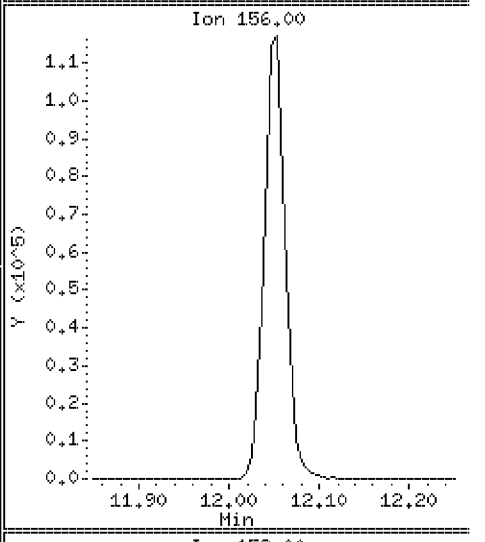


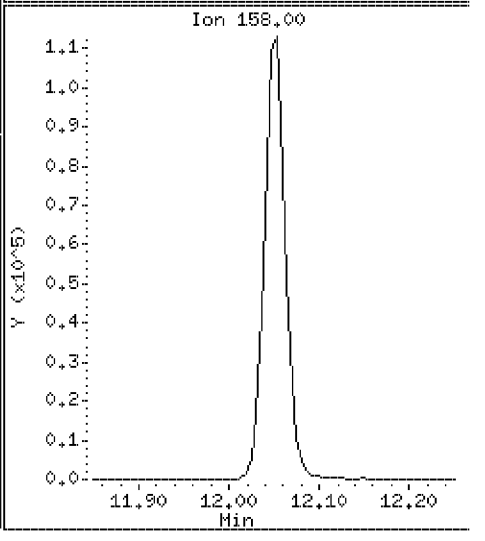












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

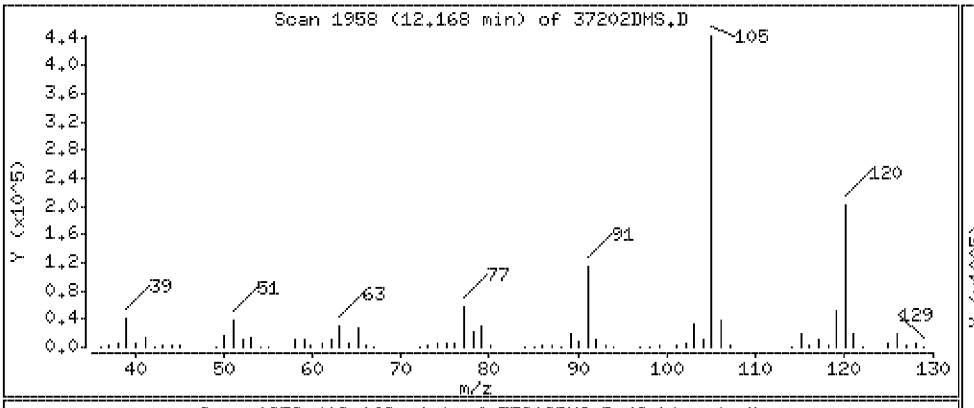
Operator:

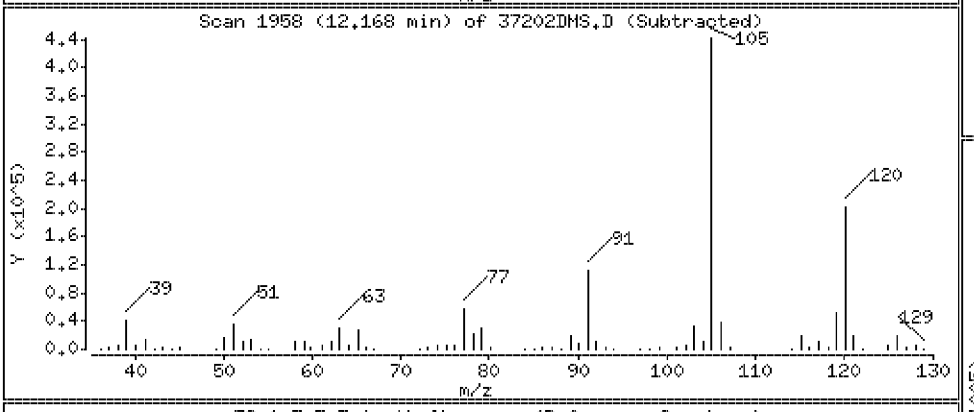
Column phase: DB-624

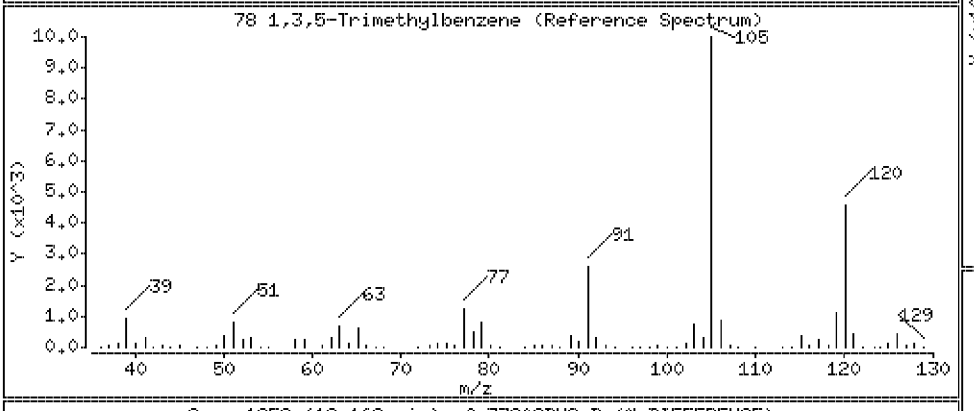
Column diameter: 0.18

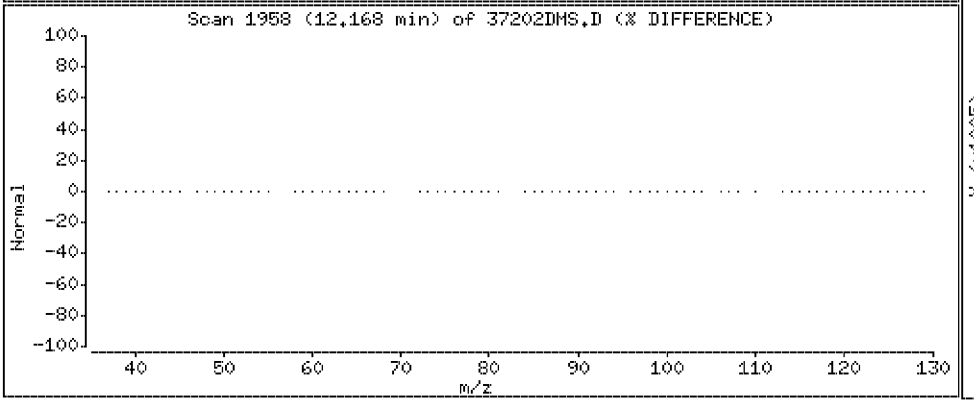
78 1,3,5-Trimethylbenzene

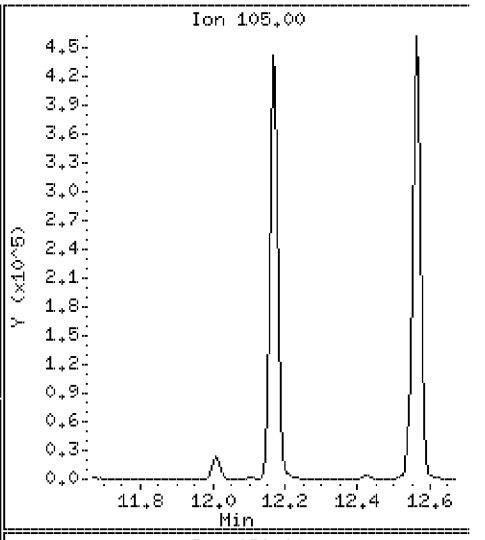
Concentration: 193 ug/l

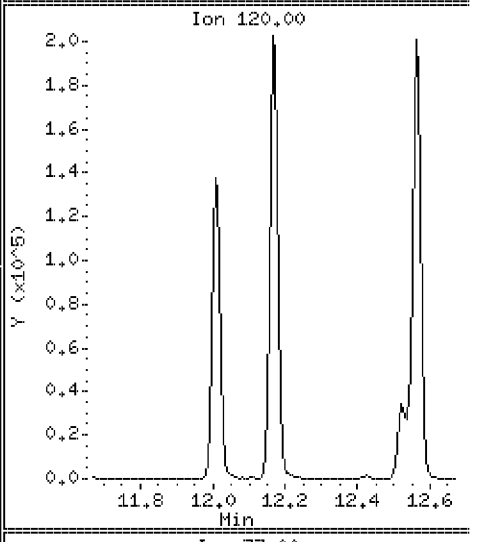


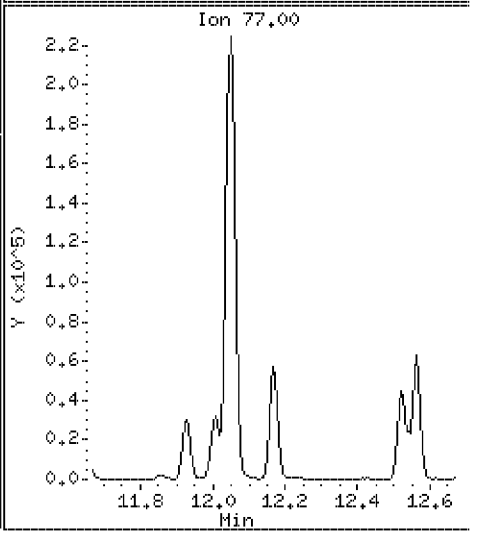












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

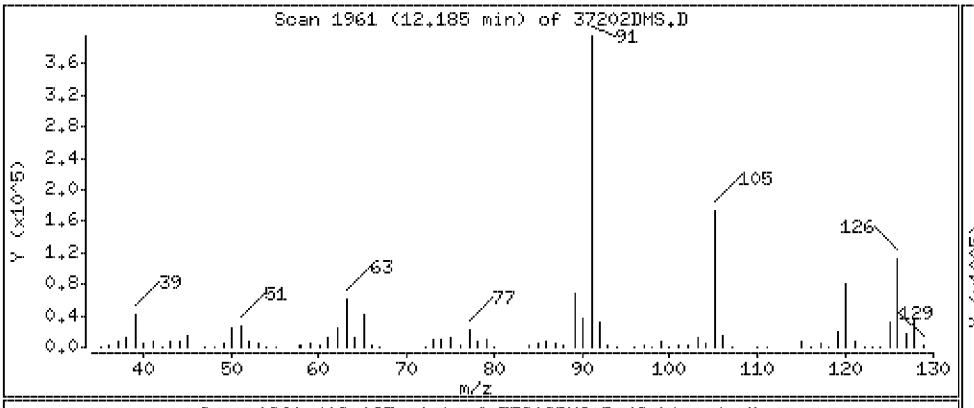
Operator:

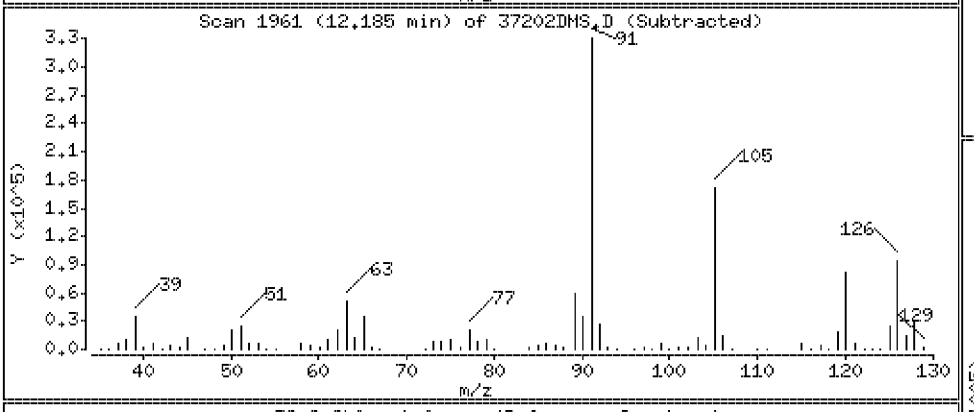
Column phase: DB-624

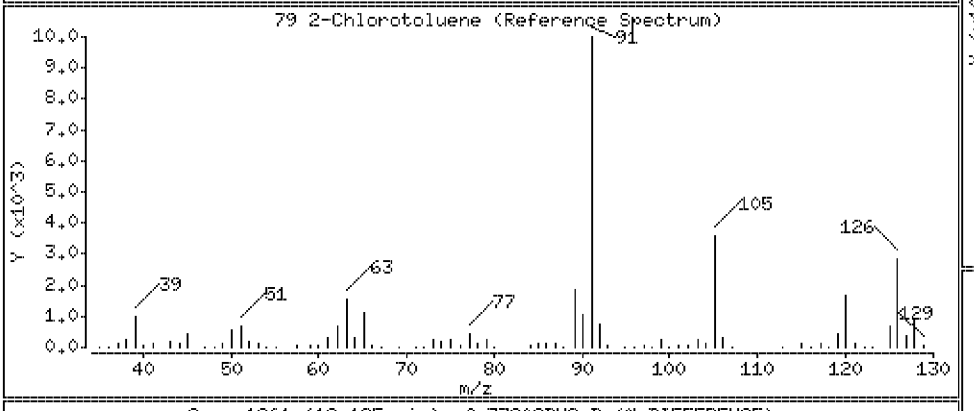
Column diameter: 0.18

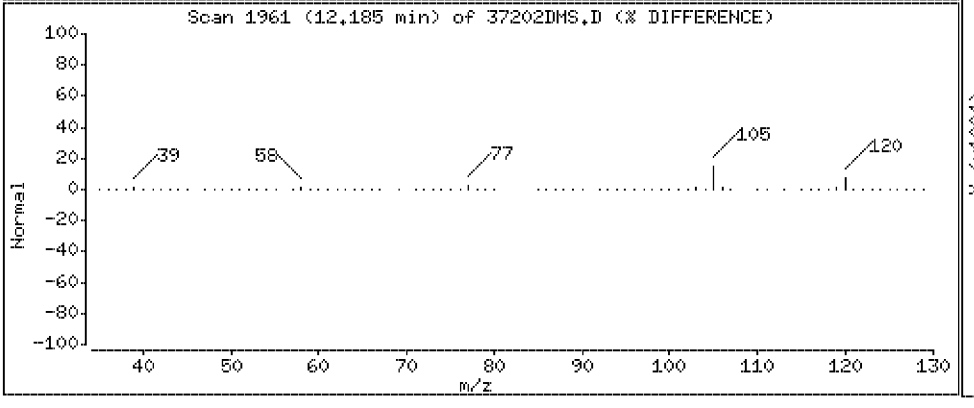
79 2-Chlorotoluene

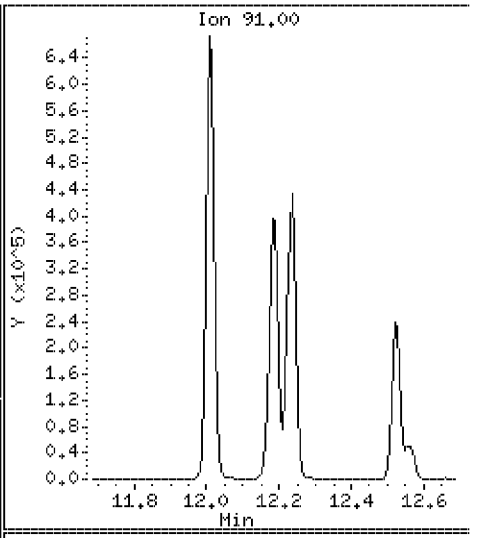
Concentration: 195 ug/l

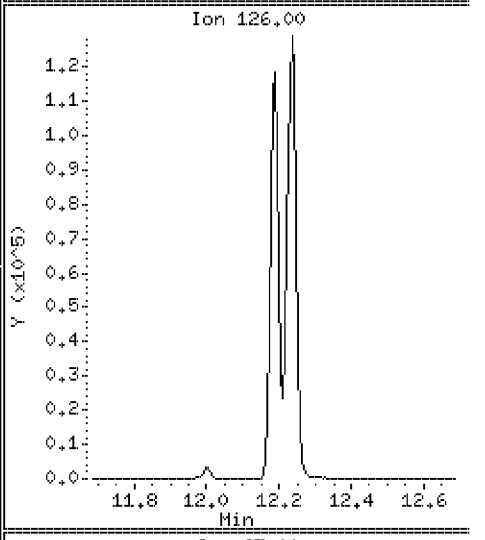


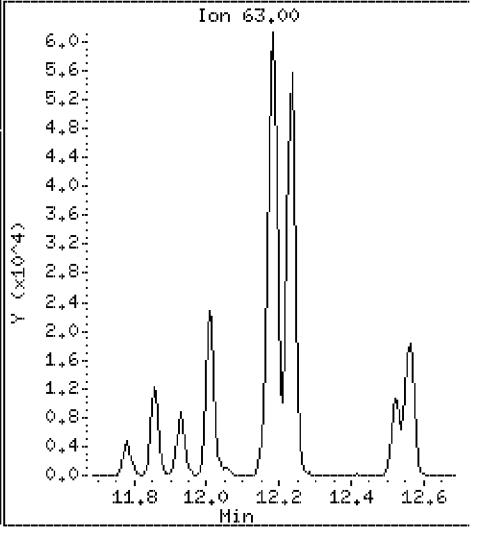












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

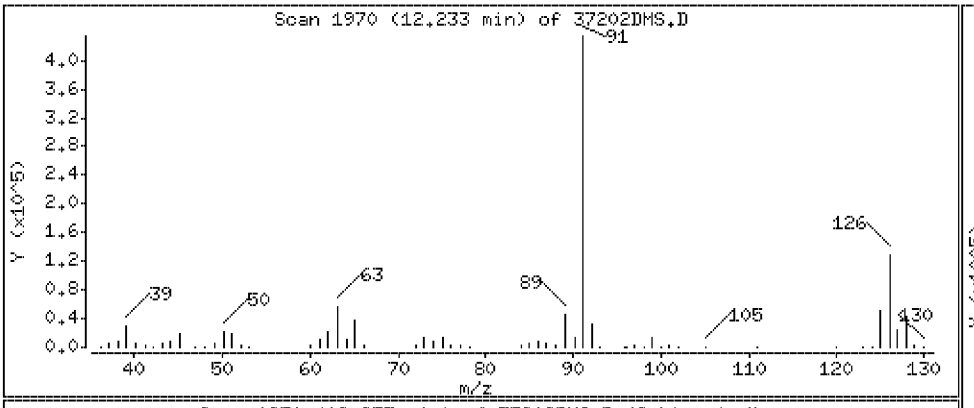
Operator:

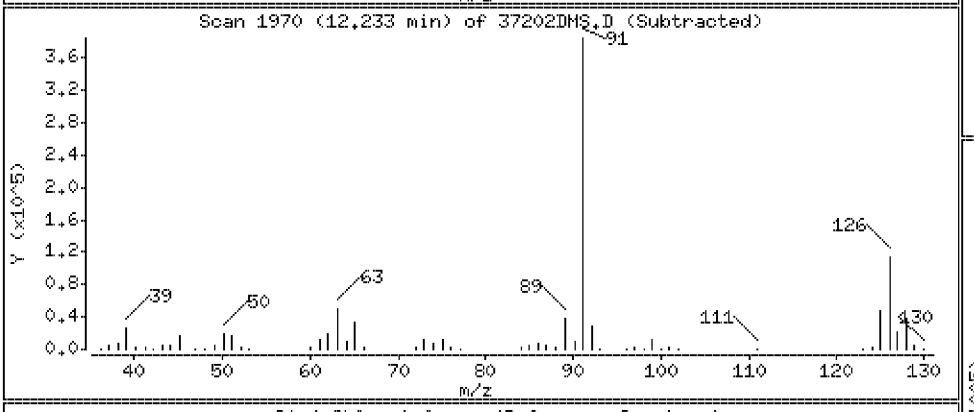
Column phase: DB-624

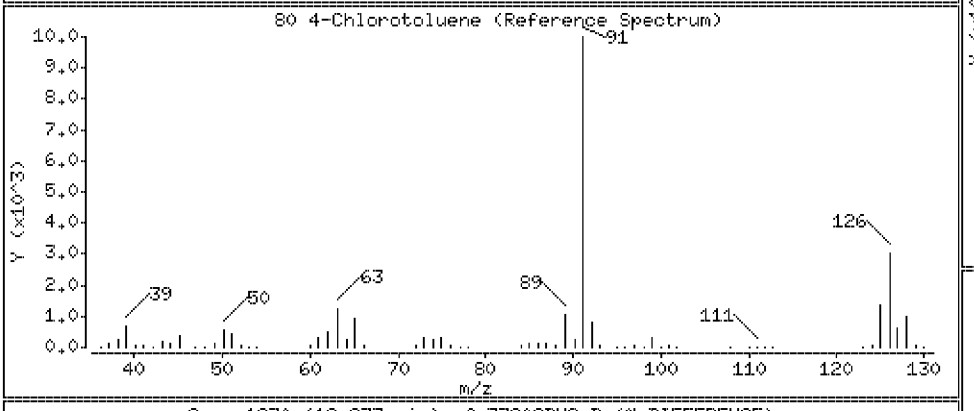
Column diameter: 0.18

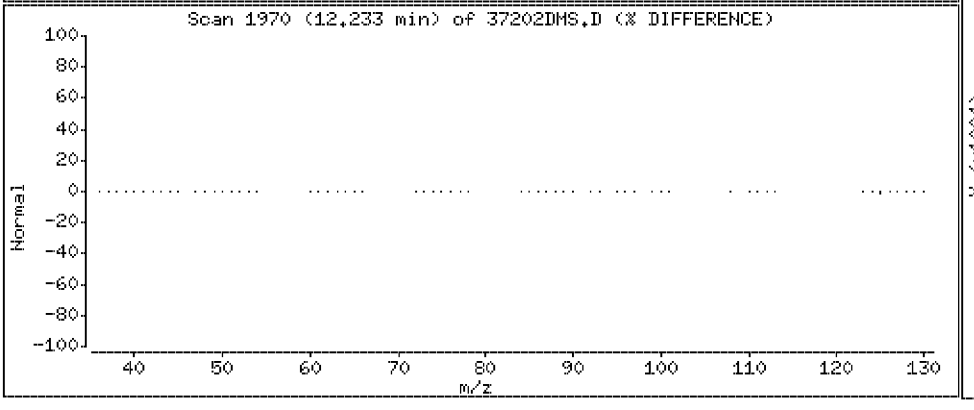
80 4-Chlorotoluene

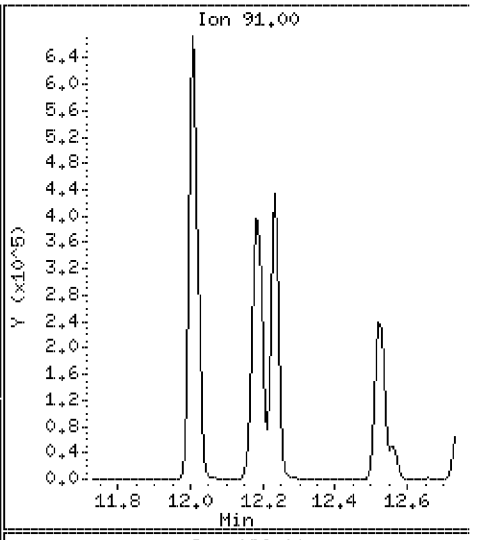
Concentration: 198 ug/l

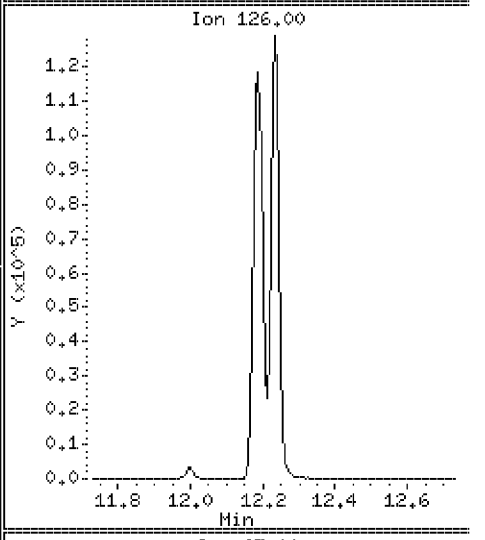


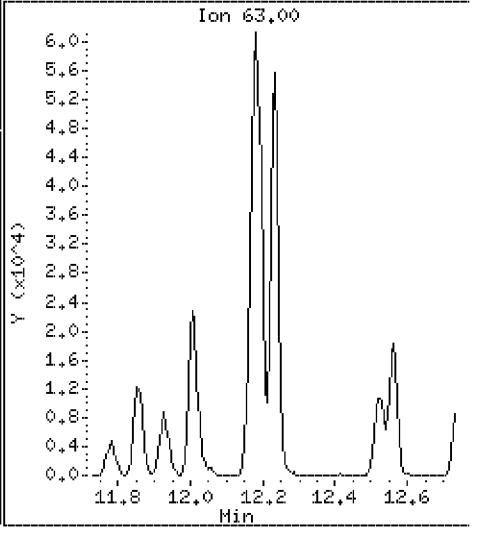












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

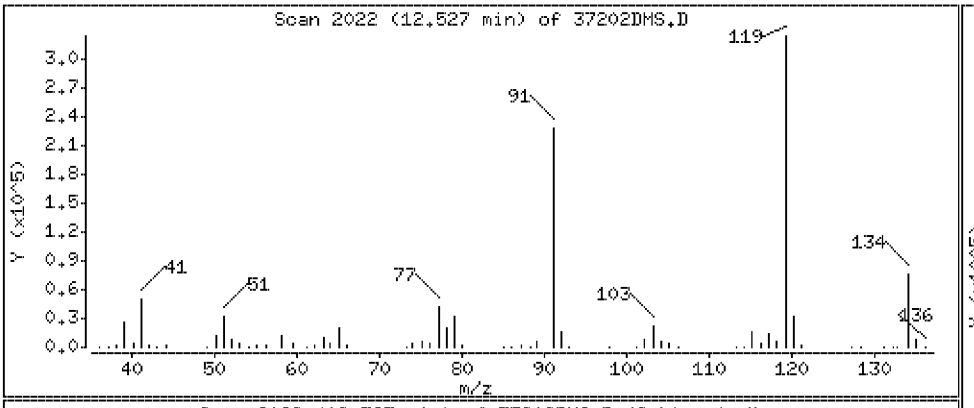
Client ID: TO05MW40AMS | Instrument: vms03.i

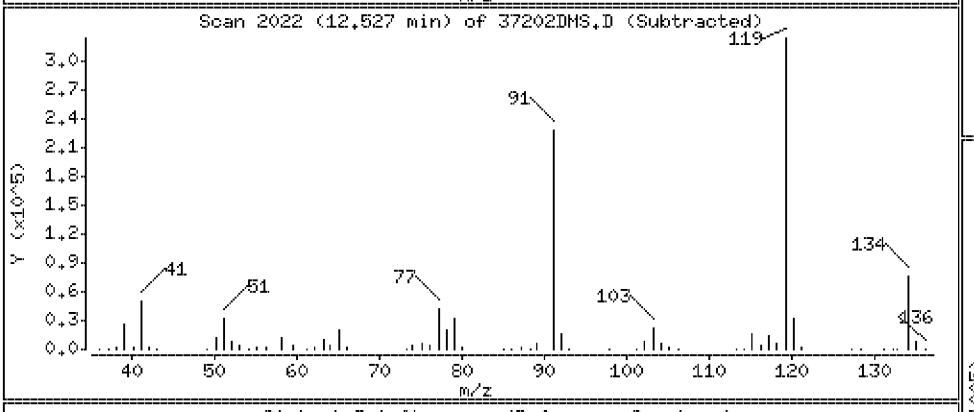
Sample Info: 250737202;2507372;10;

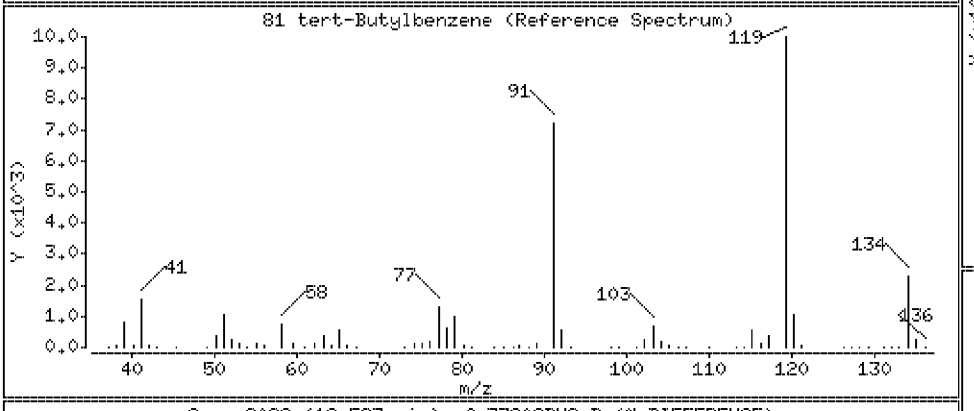
Purge Volume: 5.0 | Operator:

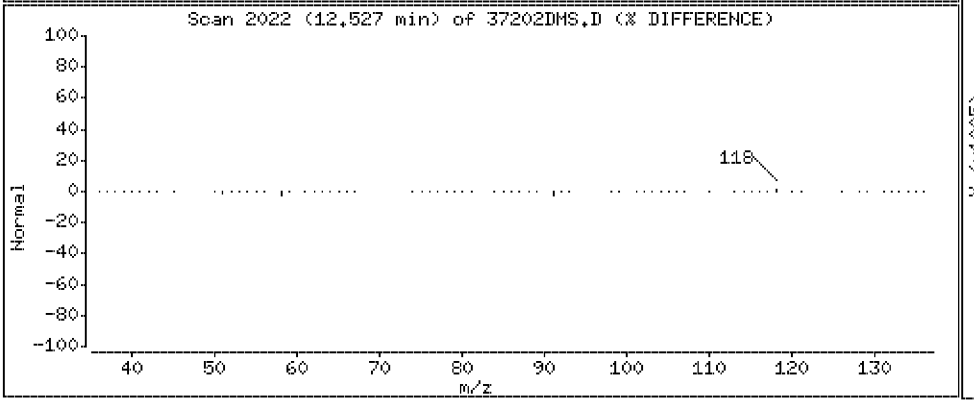
Column phase: DB-624 | Column diameter: 0.18

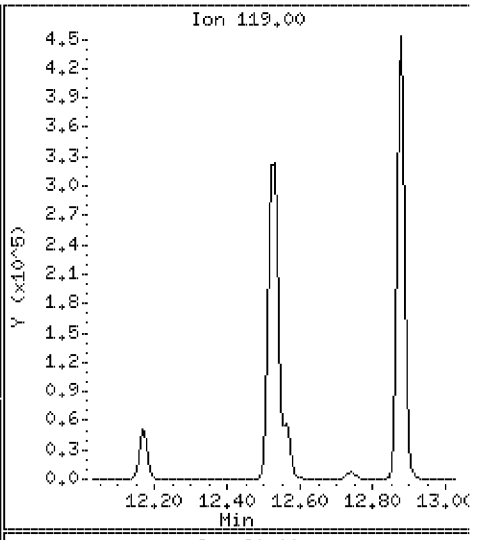
81 tert-Butylbenzene | Concentration: 196 ug/l

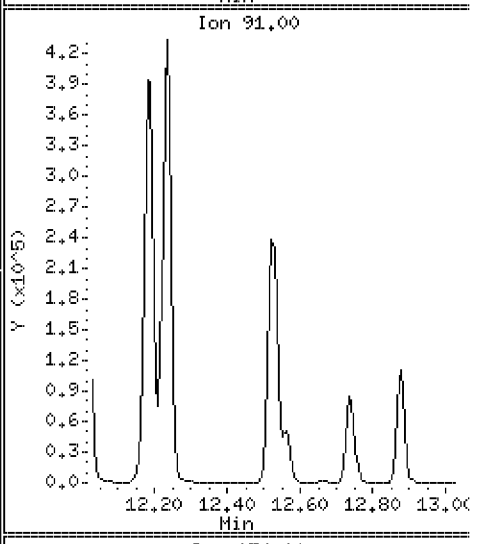


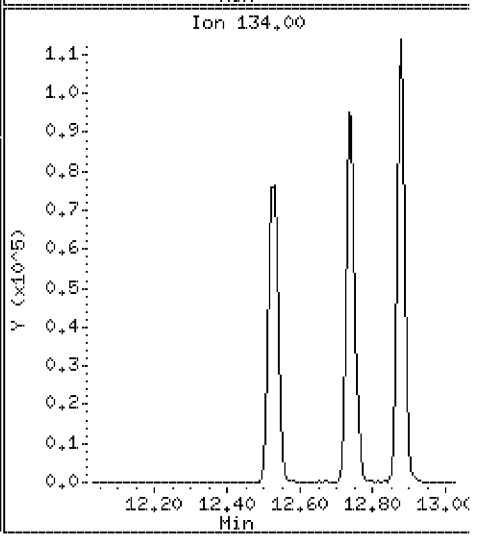












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

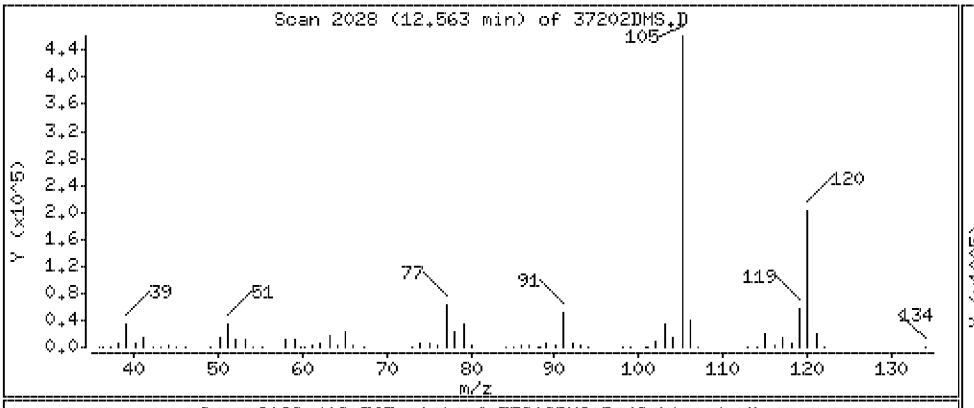
Operator:

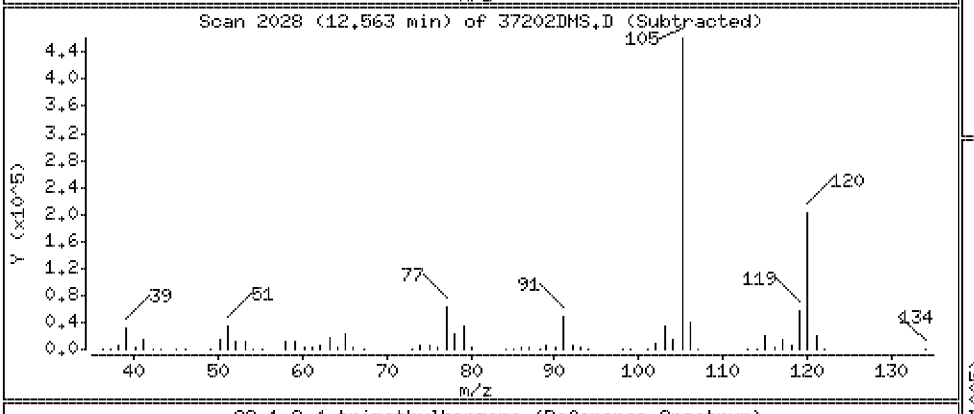
Column phase: DB-624

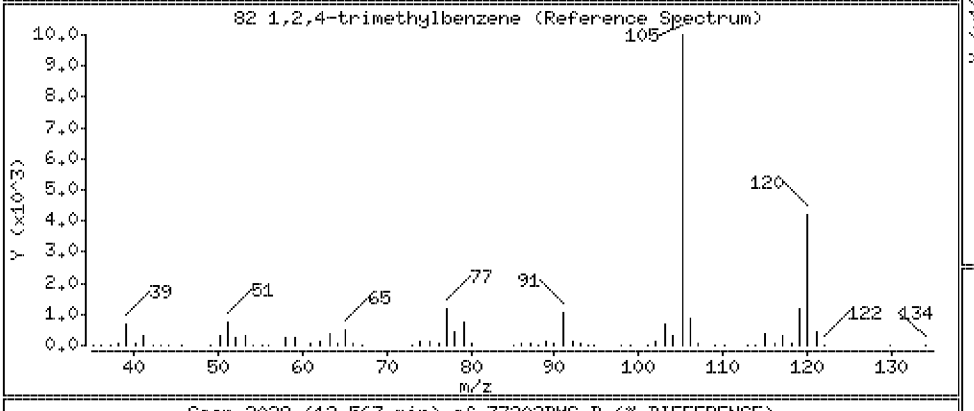
Column diameter: 0.18

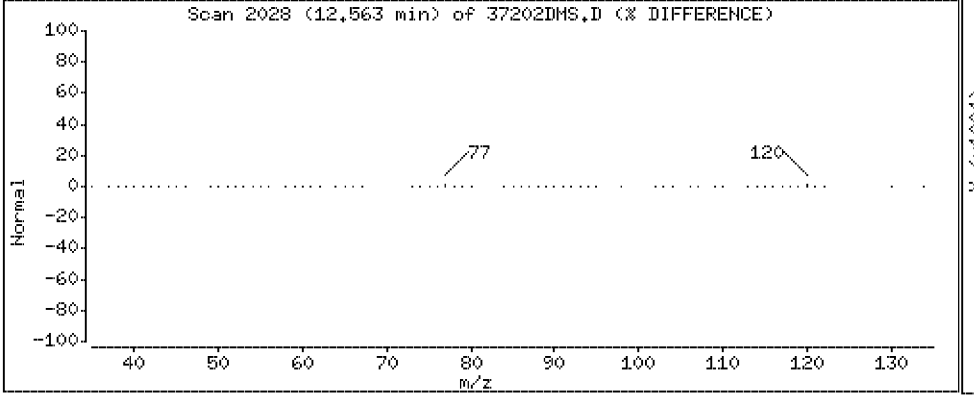
82 1,2,4-trimethylbenzene

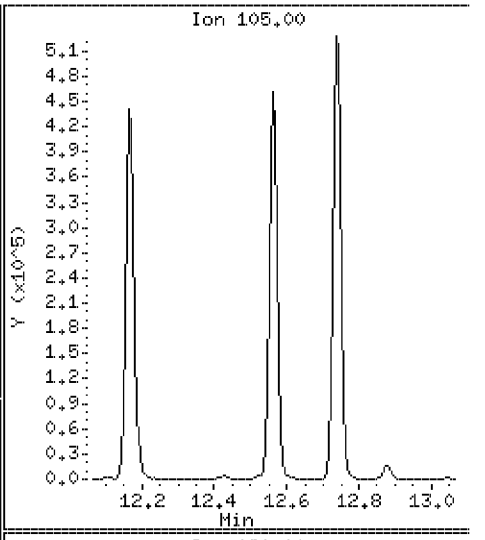
Concentration: 201 ug/l

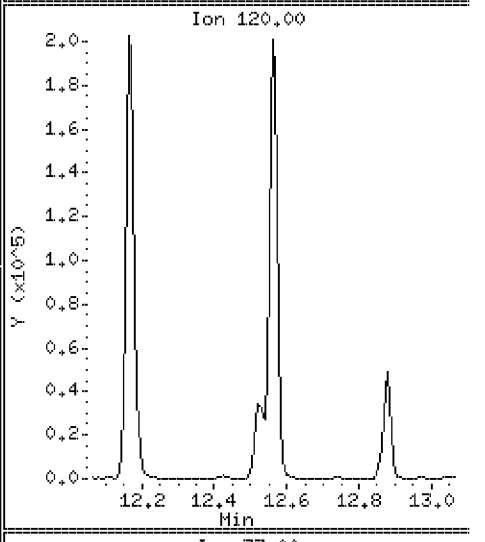


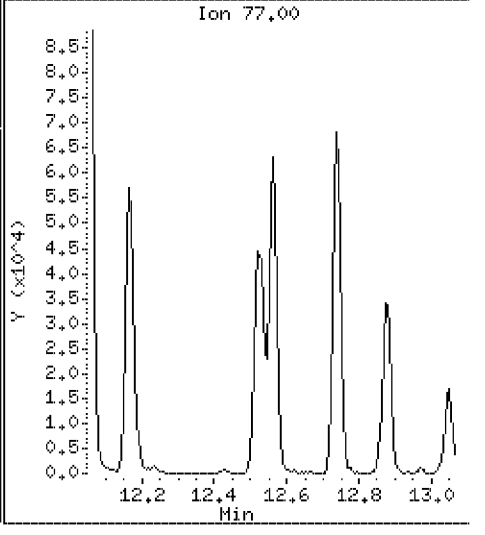












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

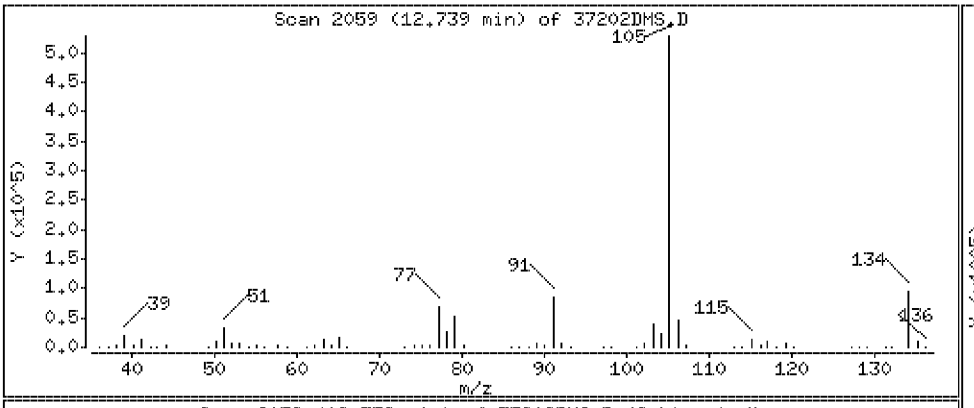
Operator:

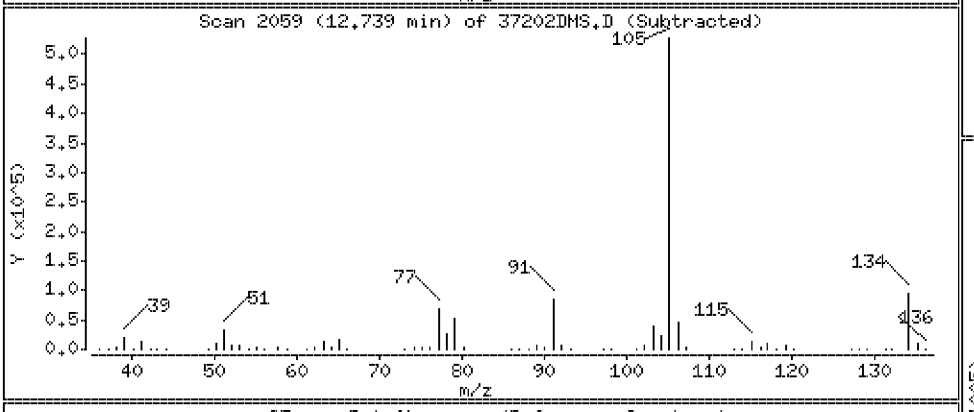
Column phase: DB-624

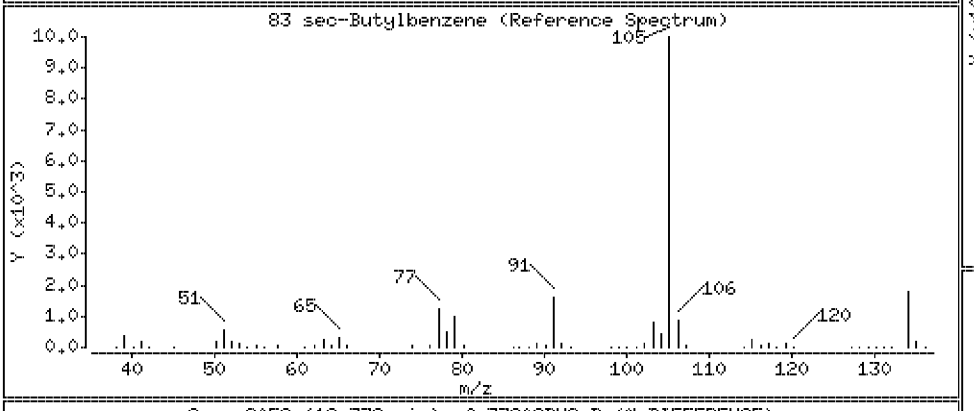
Column diameter: 0.18

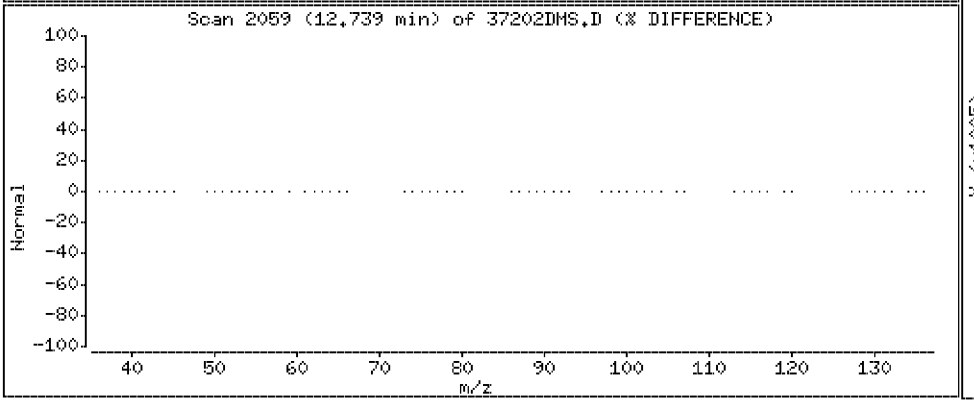
83 sec-Butylbenzene

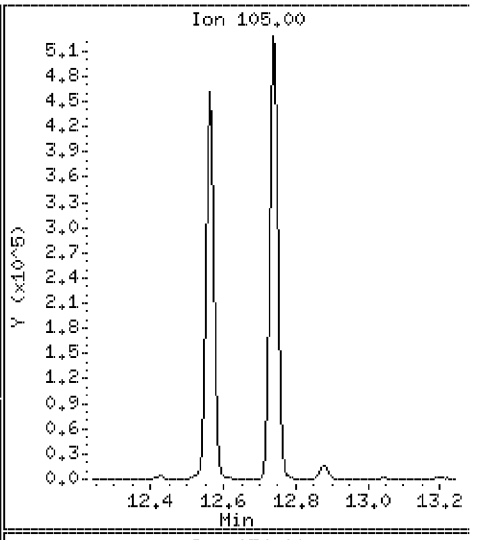
Concentration: 194 ug/l

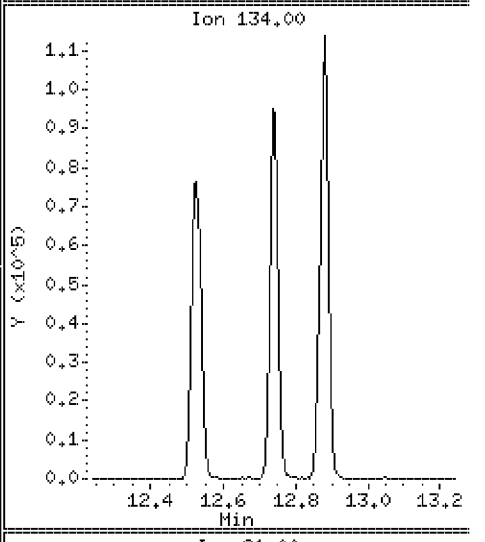


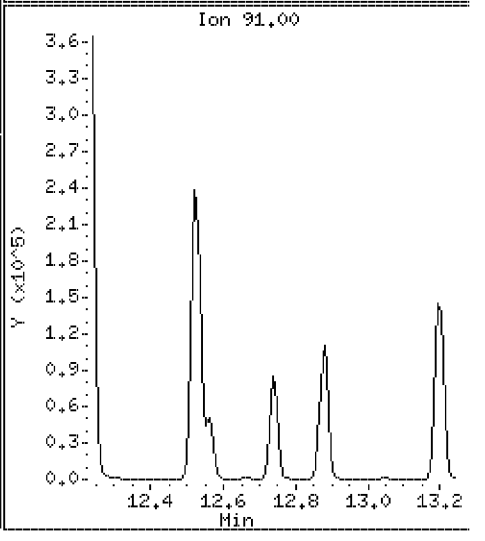












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

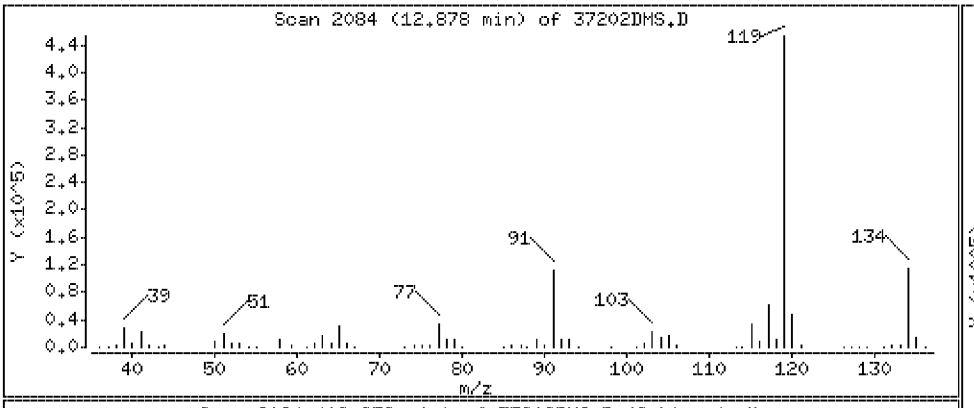
Operator:

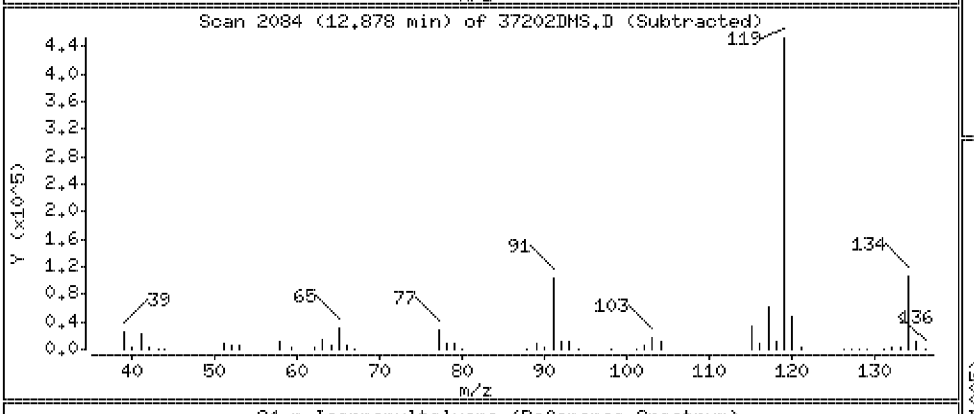
Column phase: DB-624

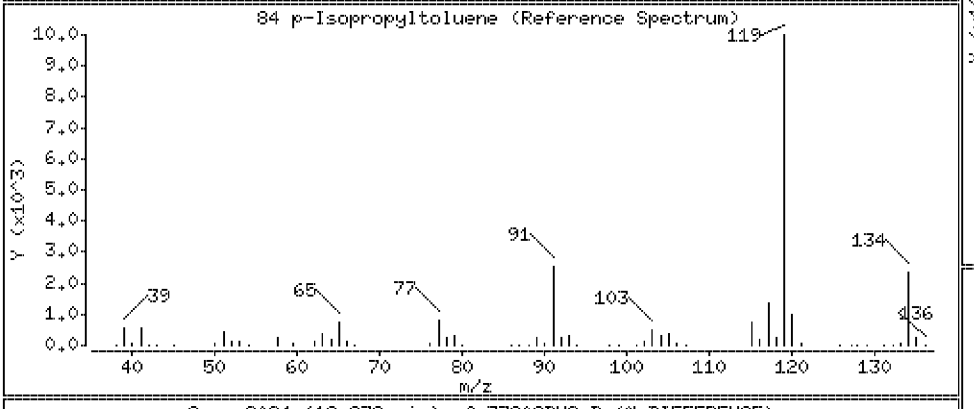
Column diameter: 0.18

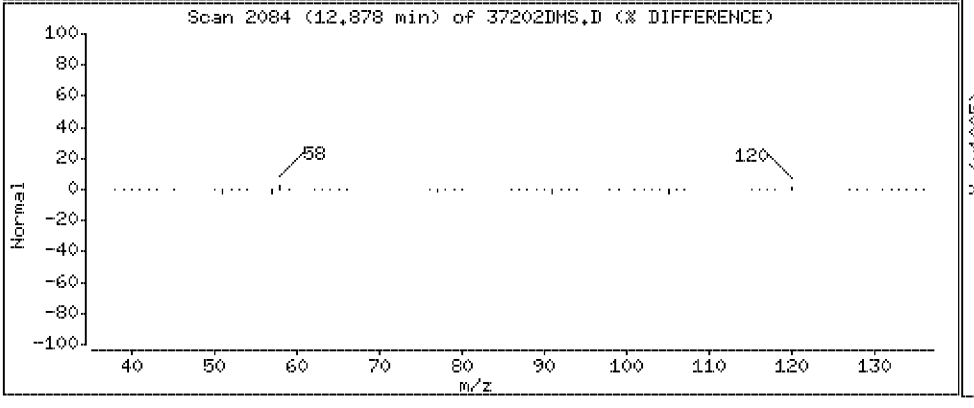
84 p-Isopropyltoluene

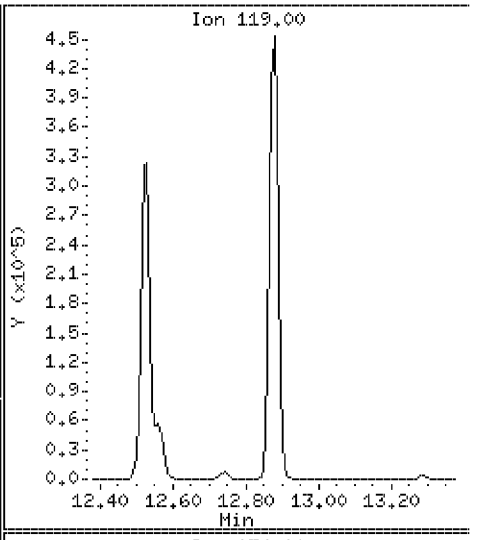
Concentration: 192 ug/l

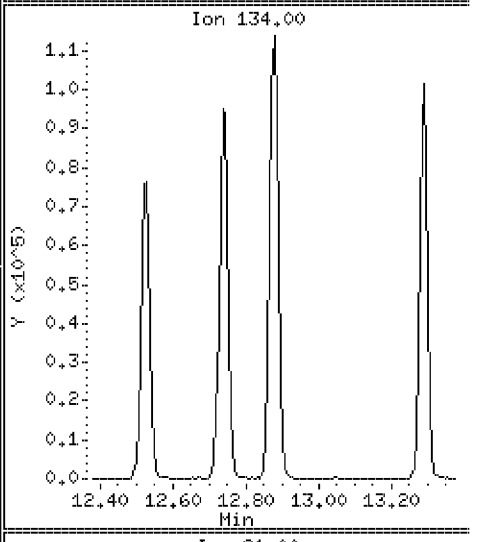


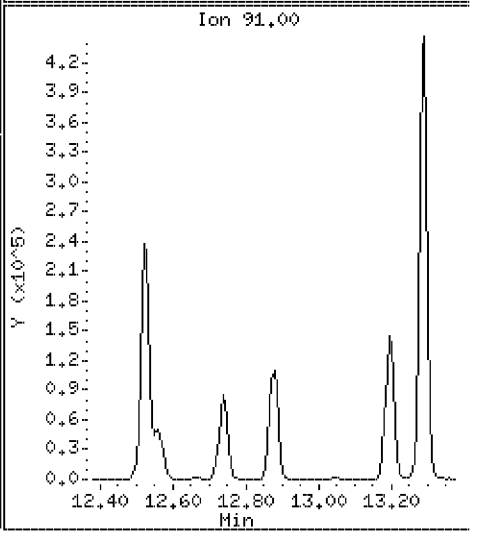












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

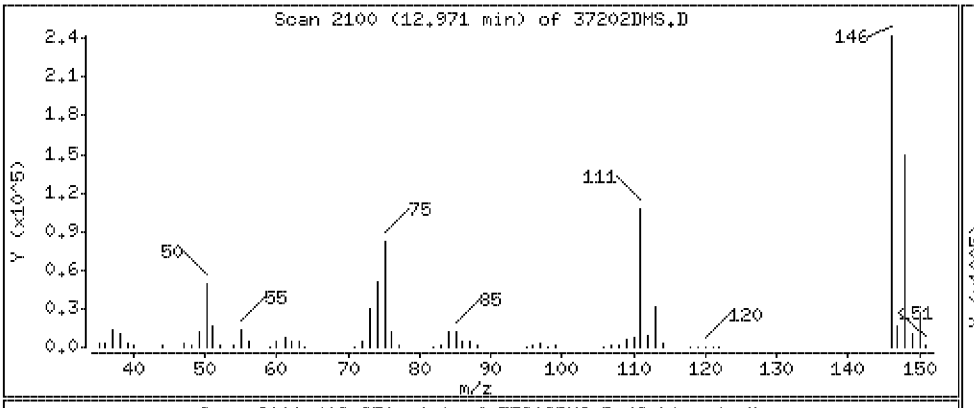
Operator:

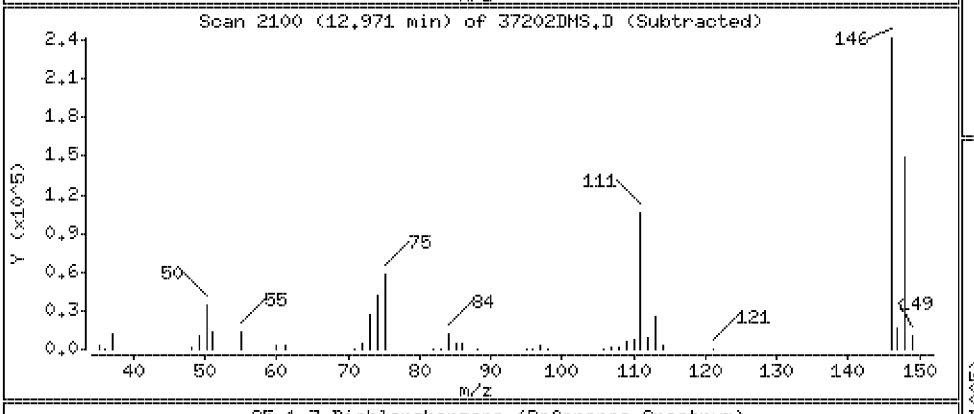
Column phase: DB-624

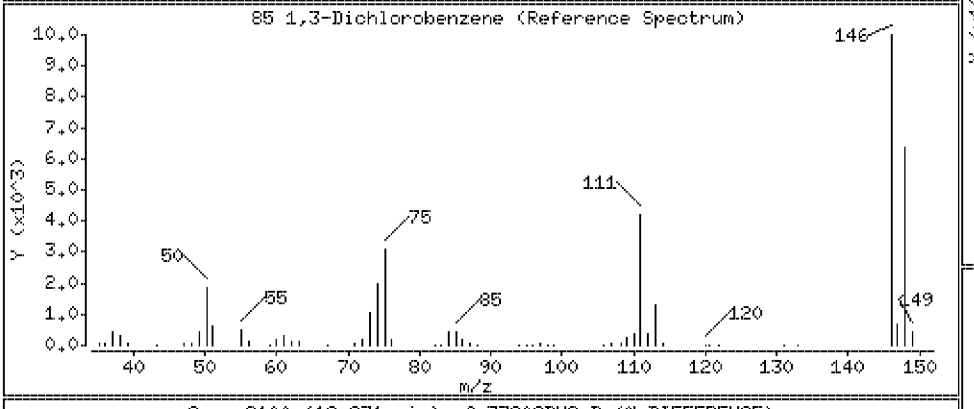
Column diameter: 0.18

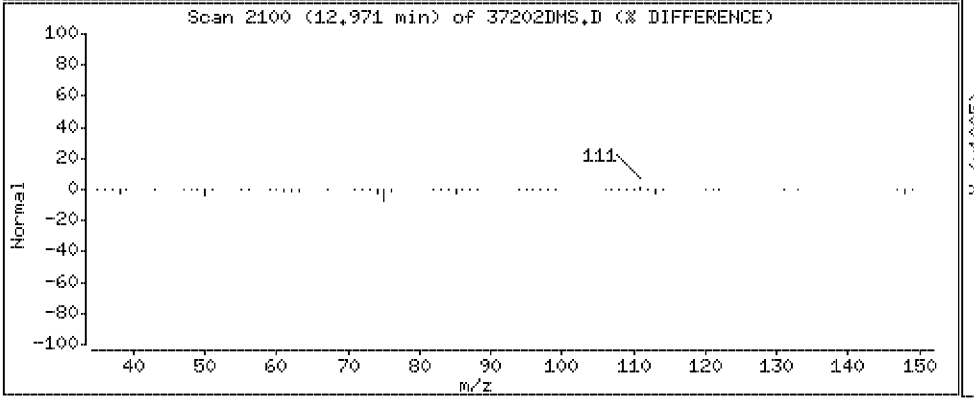
85 1,3-Dichlorobenzene

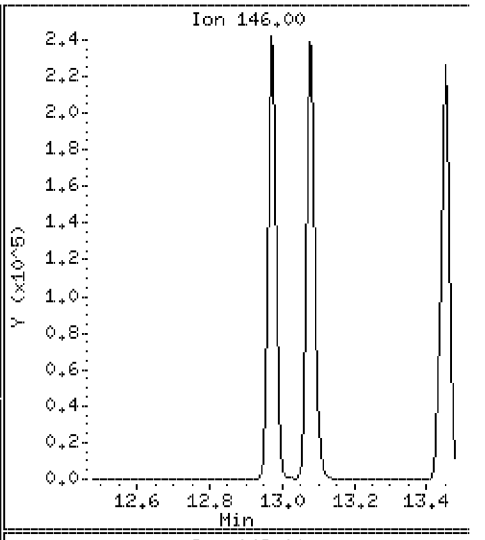
Concentration: 200 ug/l

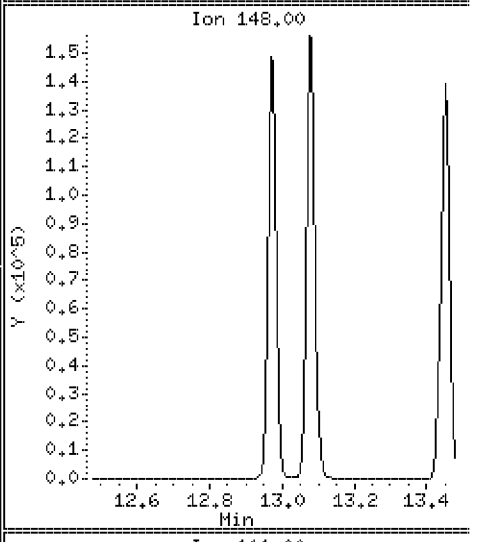


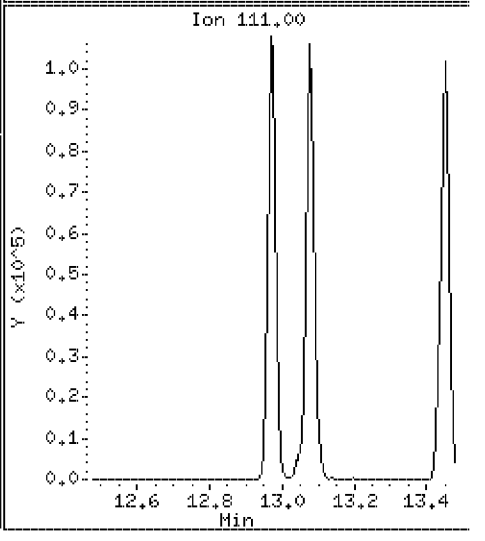












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

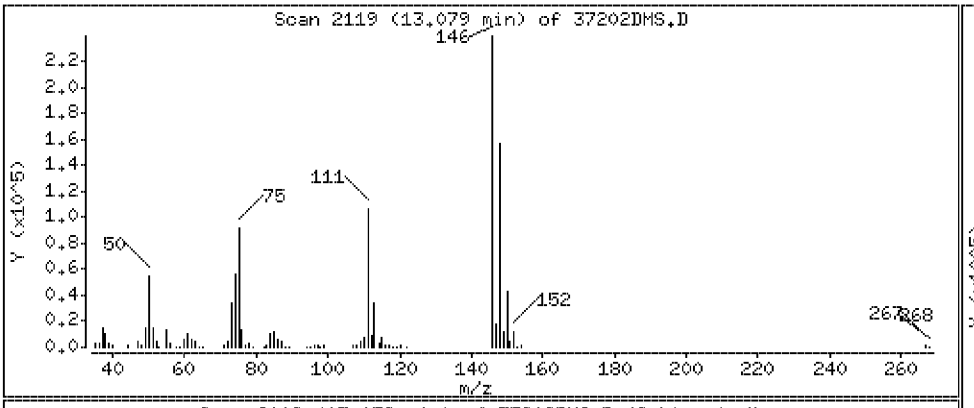
Operator:

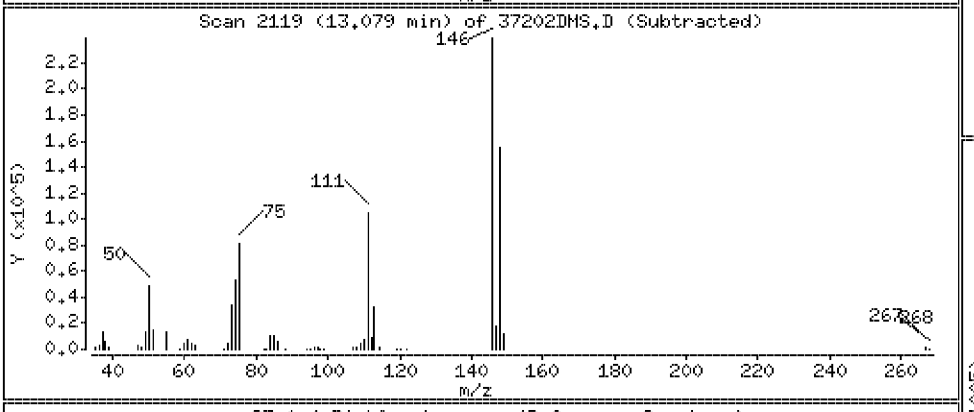
Column phase: DB-624

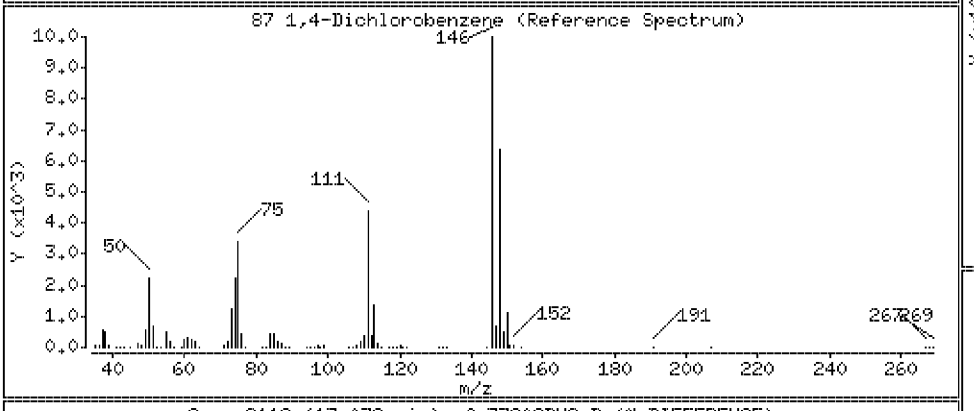
Column diameter: 0.18

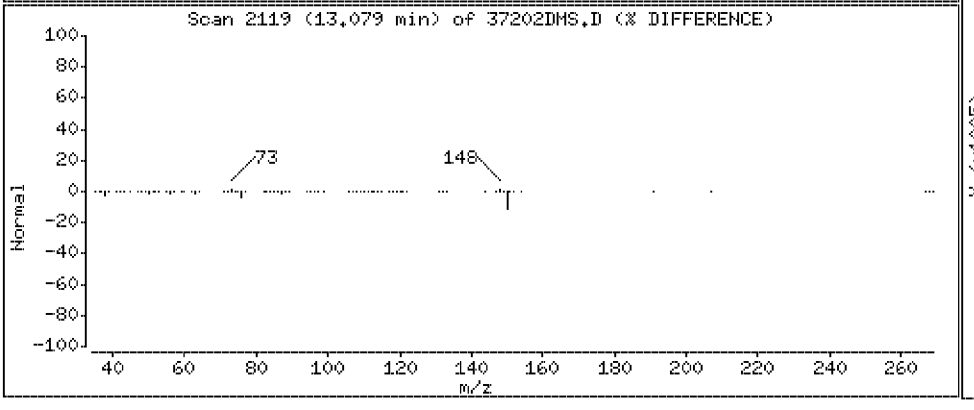
87 1,4-Dichlorobenzene

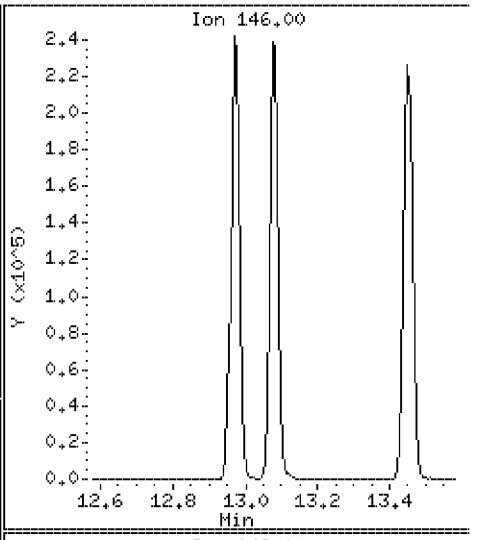
Concentration: 201 ug/l

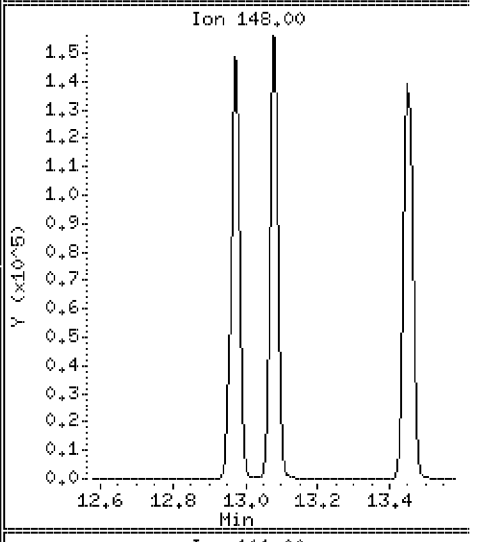


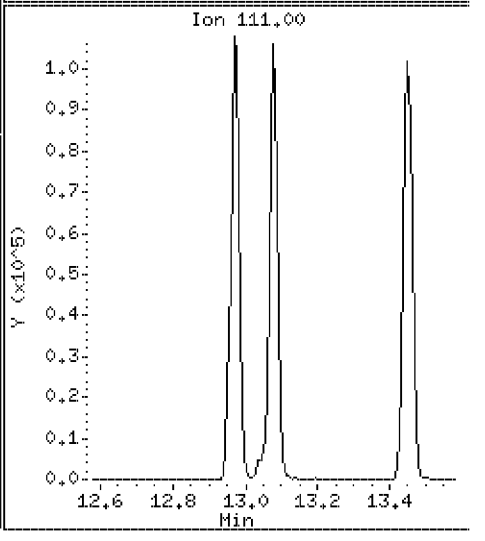












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

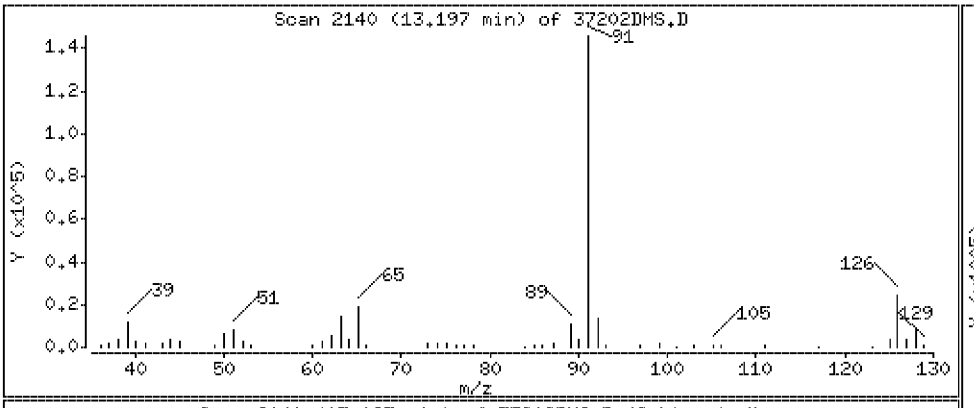
Operator:

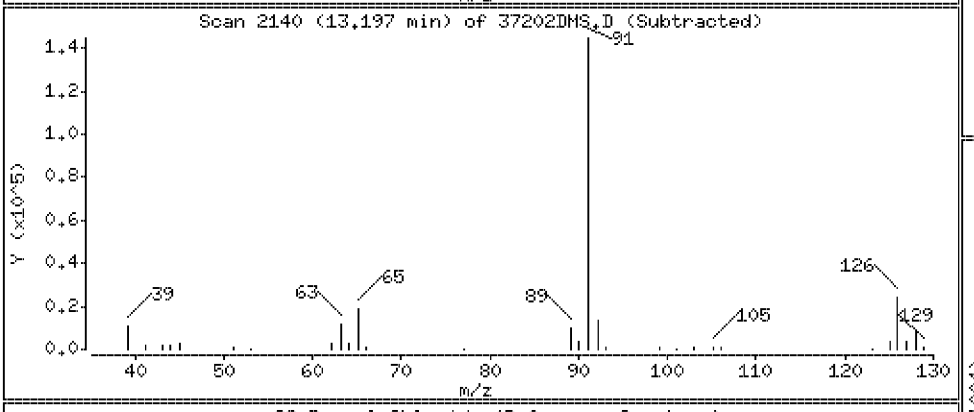
Column phase: DB-624

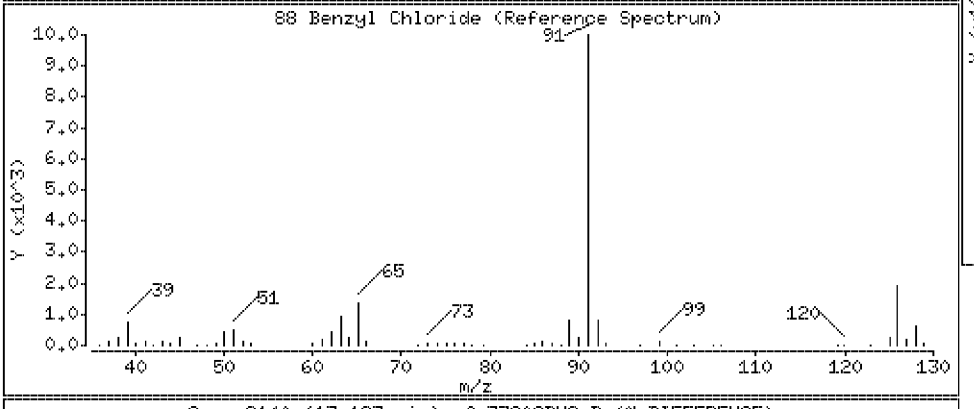
Column diameter: 0.18

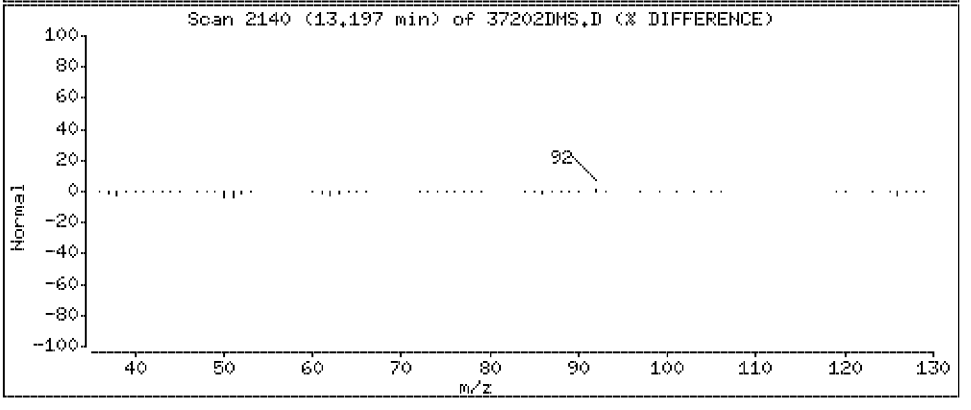
88 Benzyl Chloride

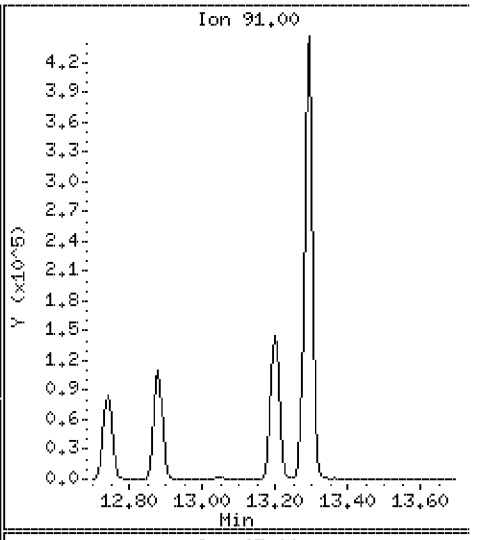
Concentration: 197 ug/l

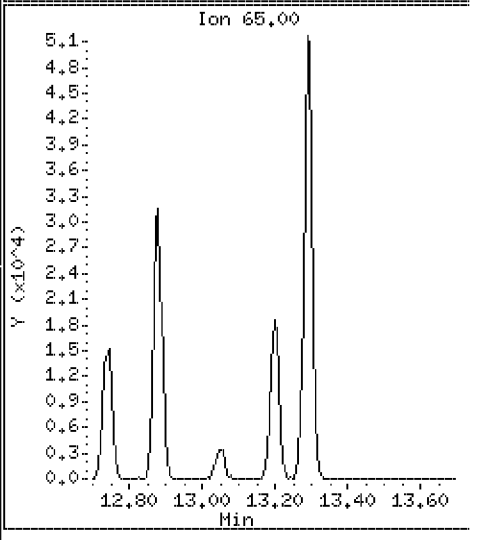












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

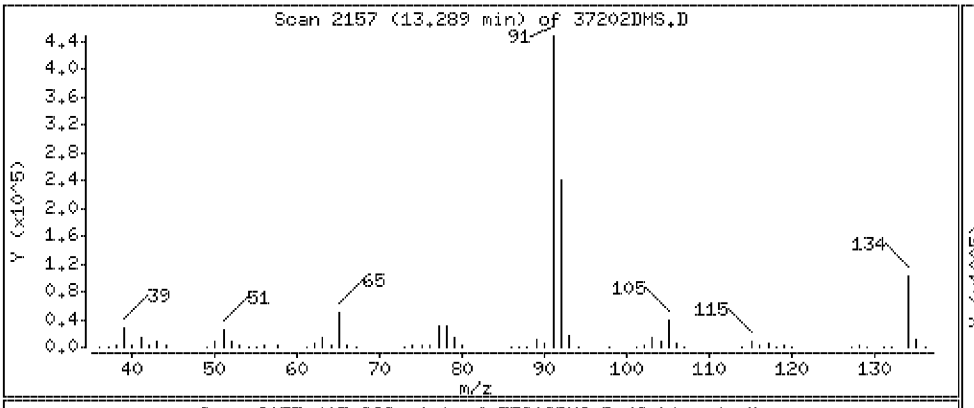
Operator:

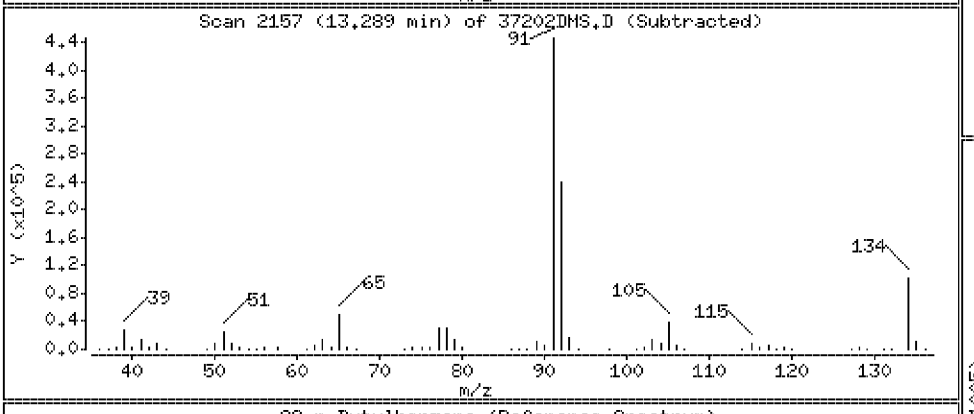
Column phase: DB-624

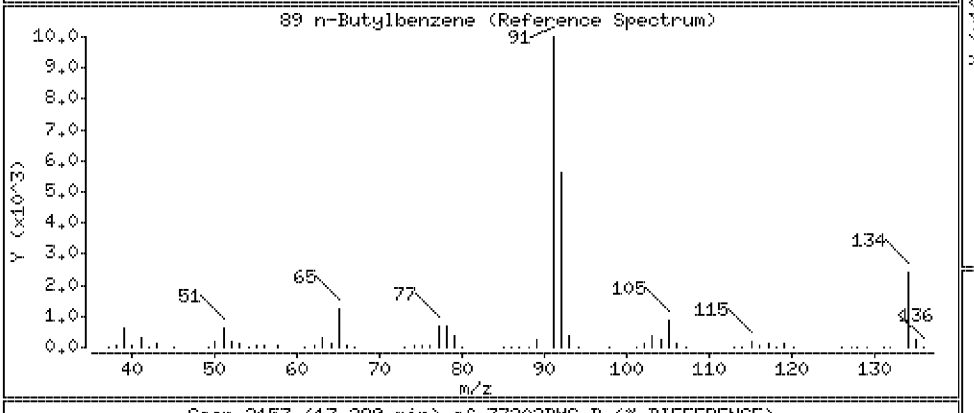
Column diameter: 0.18

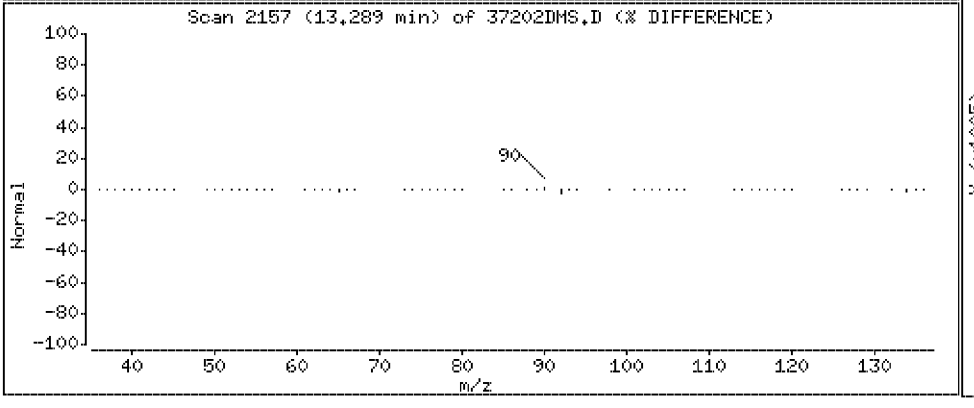
89 n-Butylbenzene

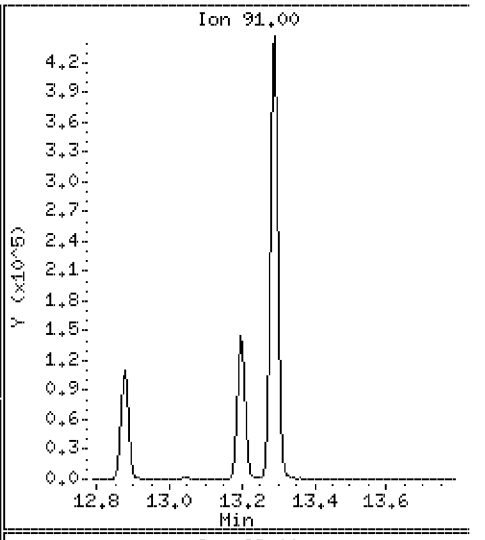
Concentration: 191 ug/l

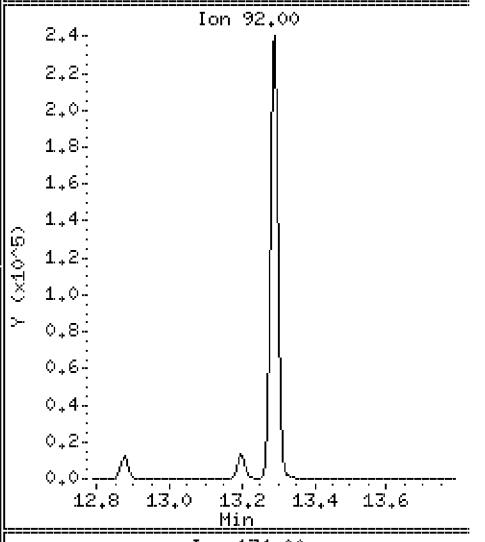


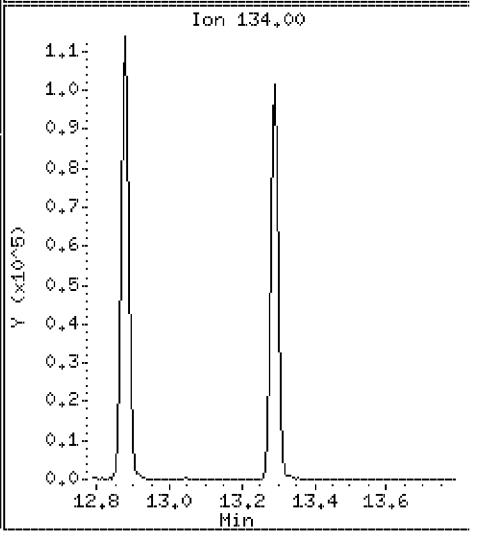












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

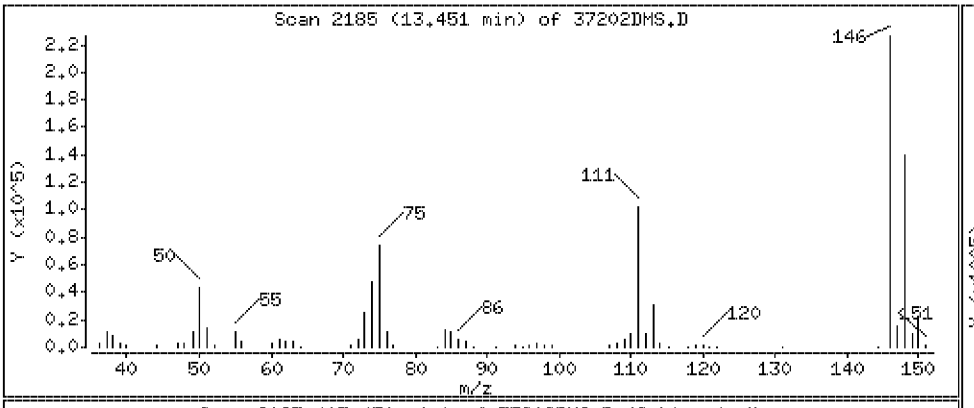
Client ID: TO05MW40AMS | Instrument: vms03.i

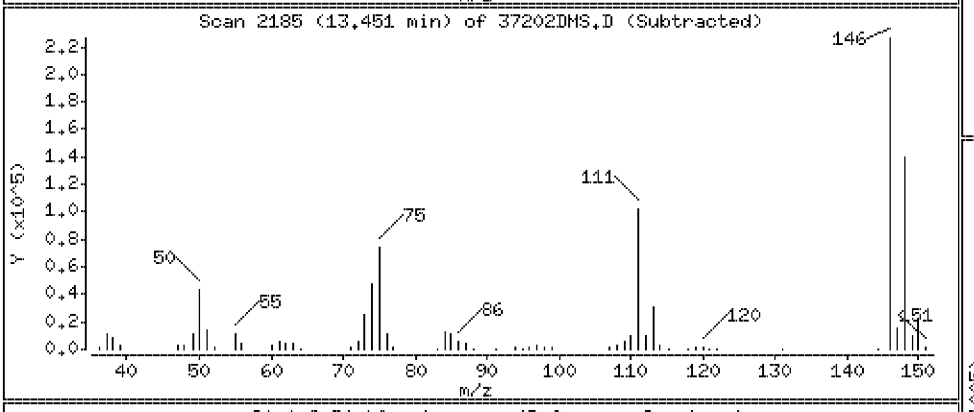
Sample Info: 250737202;2507372;10;

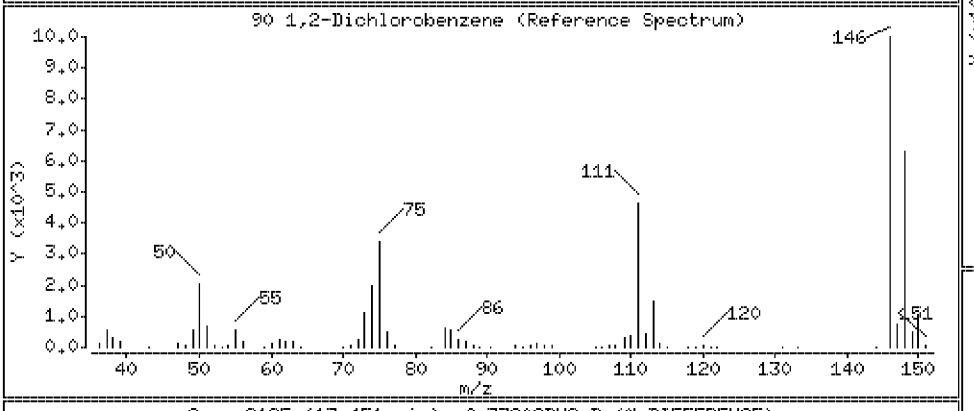
Purge Volume: 5.0 | Operator:

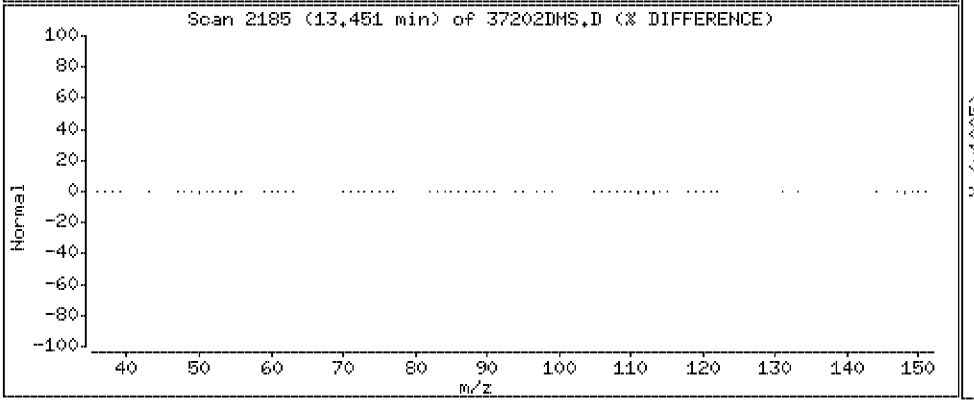
Column phase: DB-624 | Column diameter: 0.18

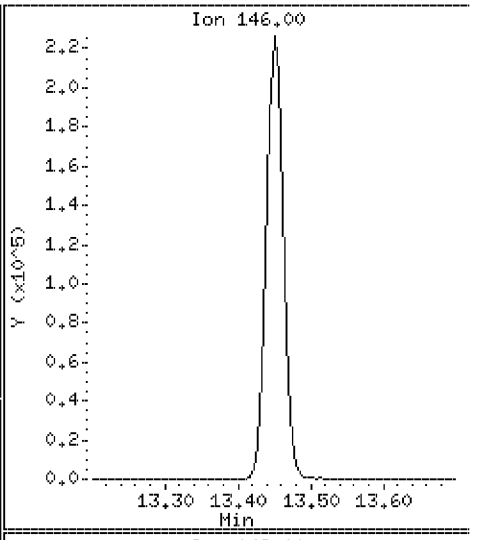
90 1,2-Dichlorobenzene | Concentration: 194 ug/l

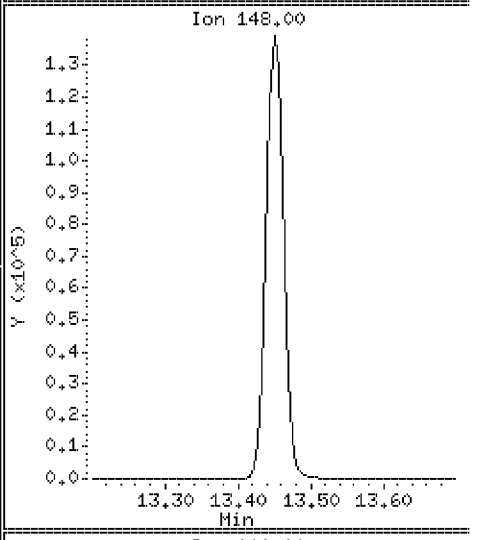


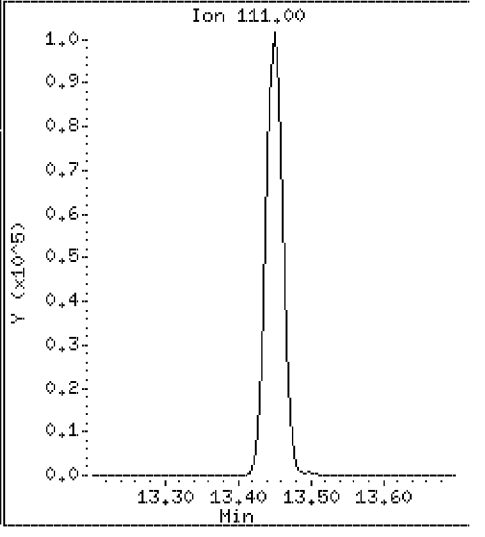












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

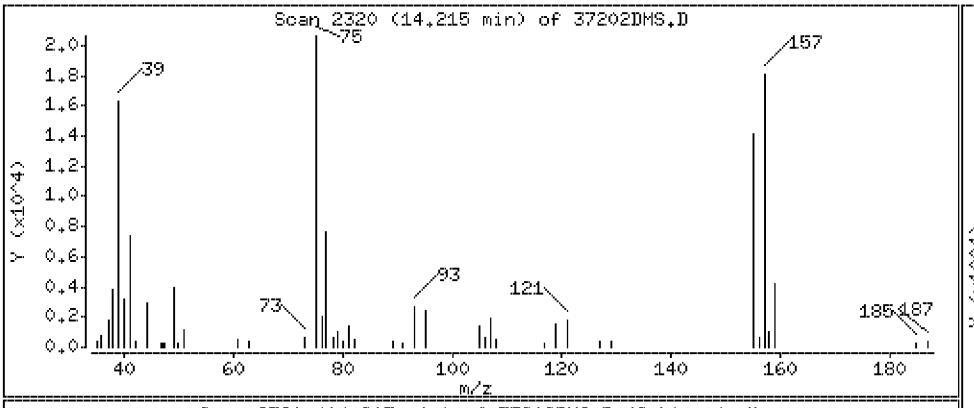
Operator:

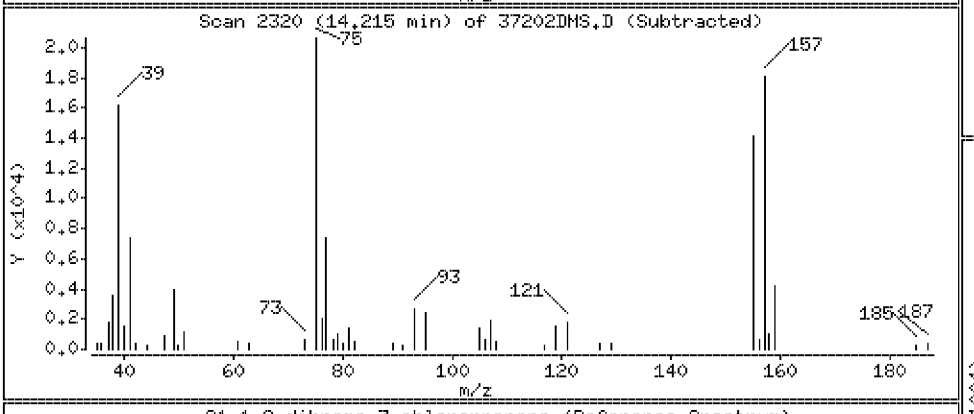
Column phase: DB-624

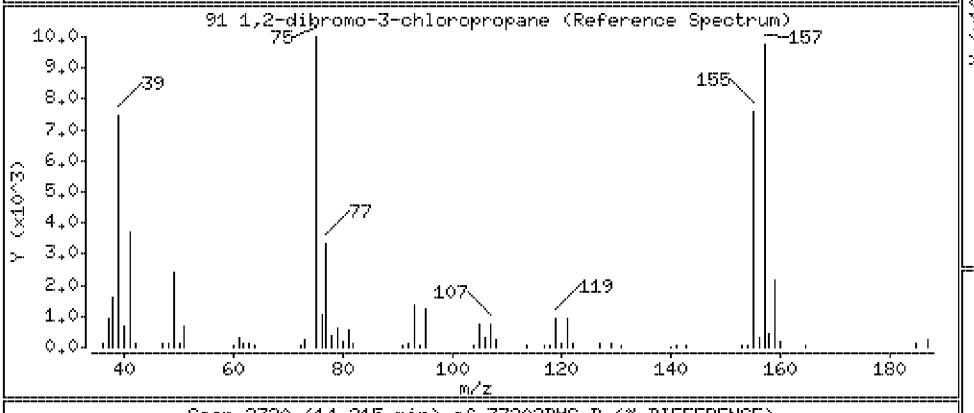
Column diameter: 0.18

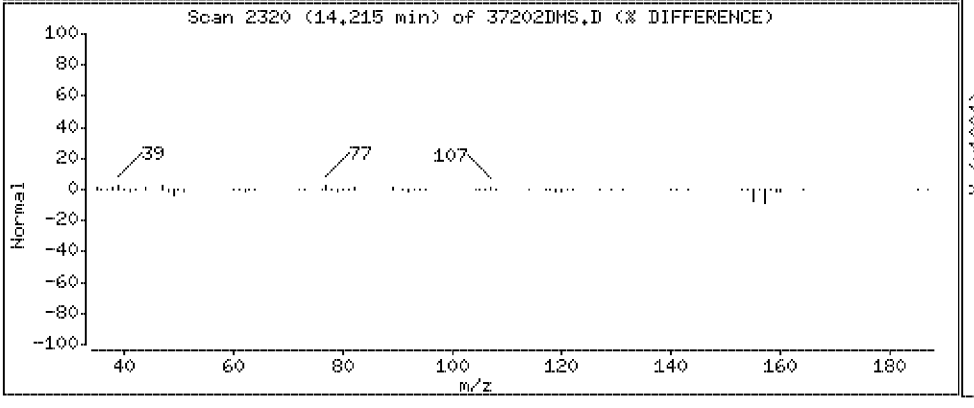
91 1,2-dibromo-3-chloropropane

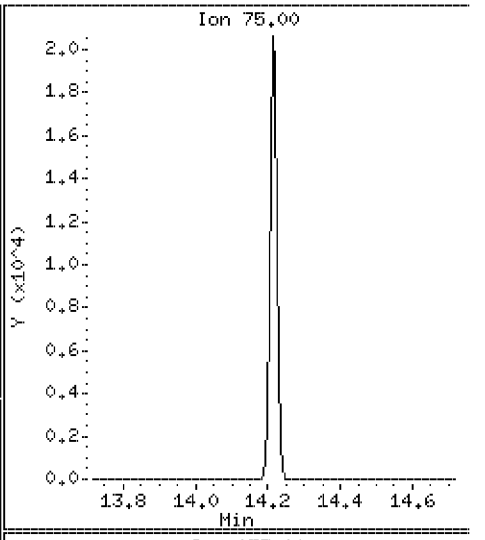
Concentration: 157 ug/l

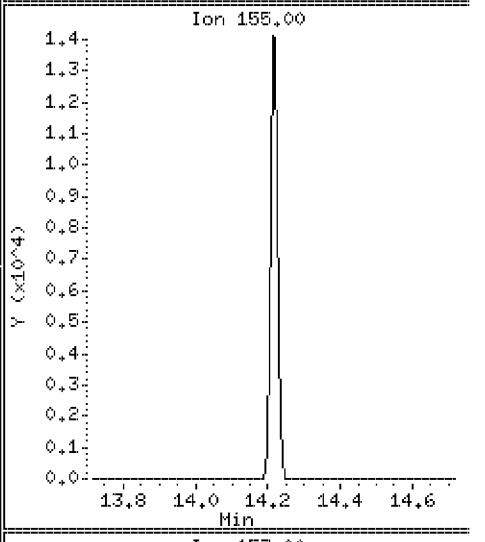


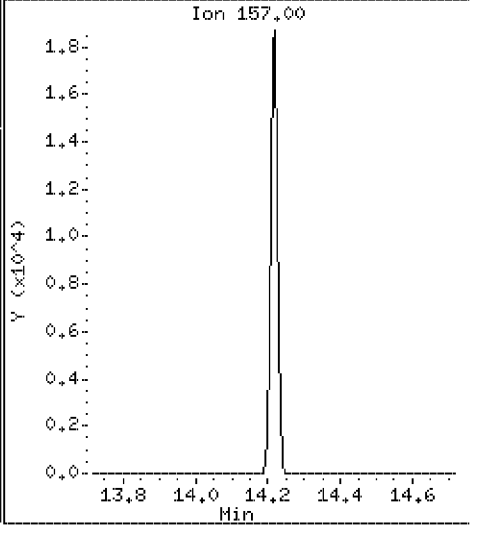












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

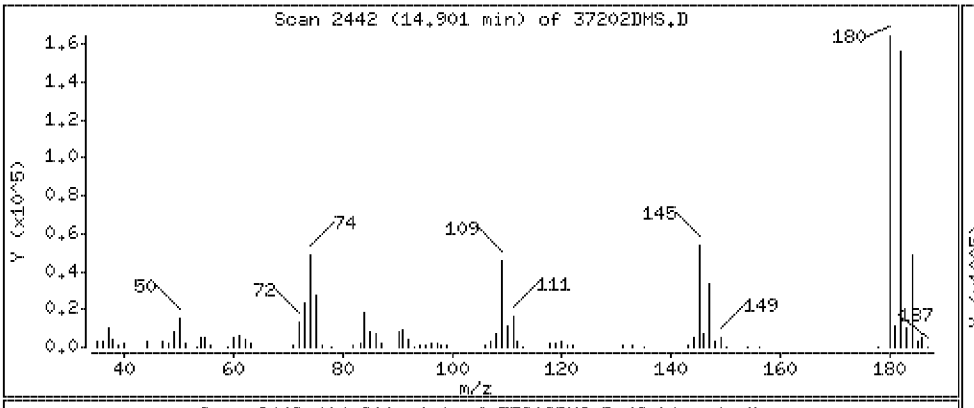
Operator:

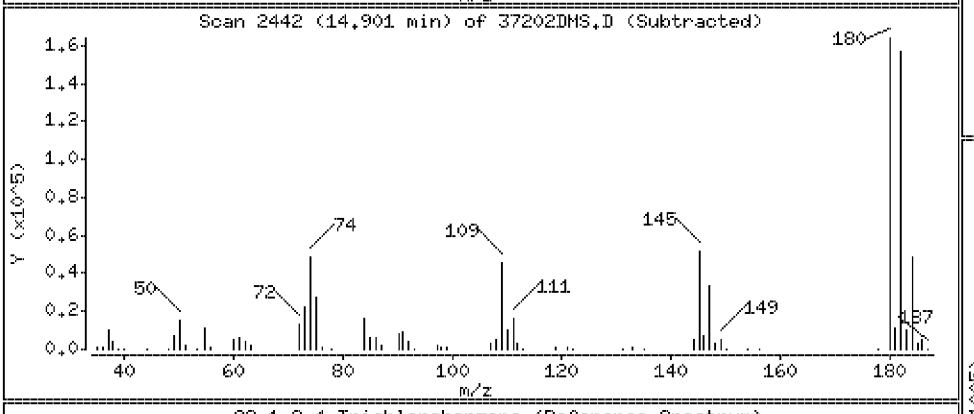
Column phase: DB-624

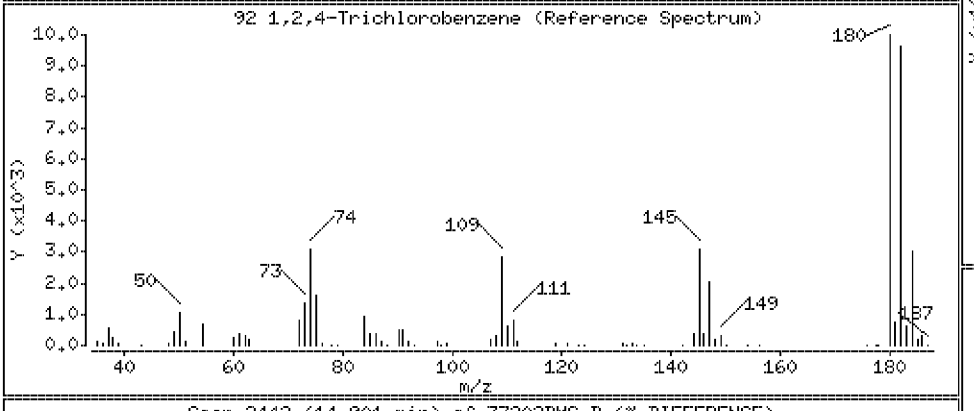
Column diameter: 0.18

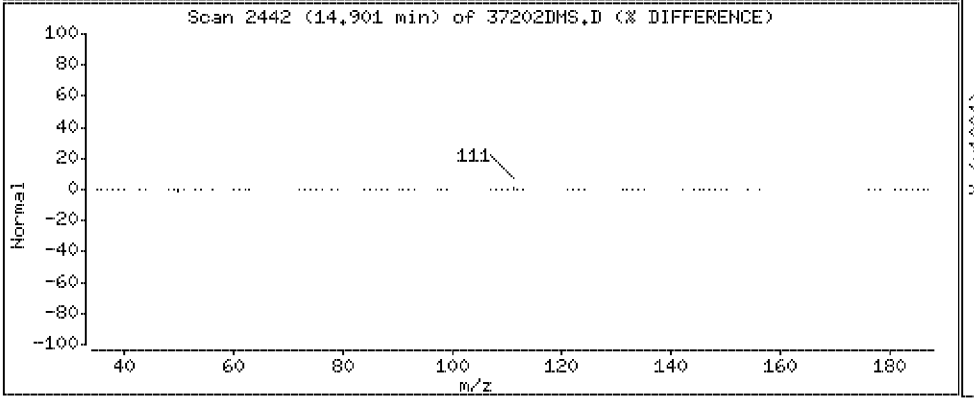
92 1,2,4-Trichlorobenzene

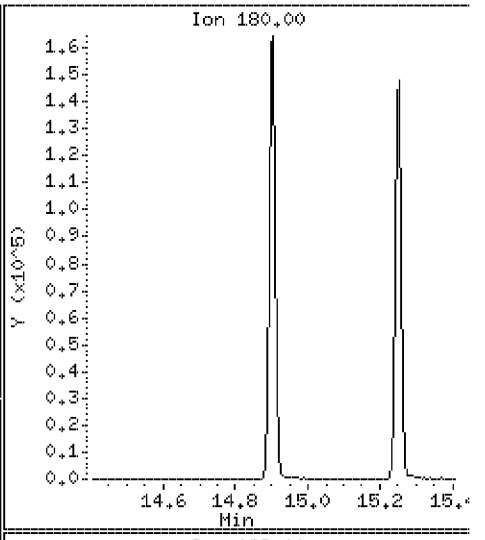
Concentration: 172 ug/l

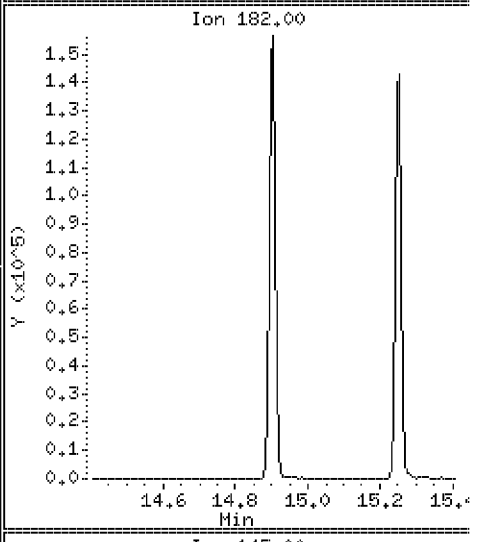


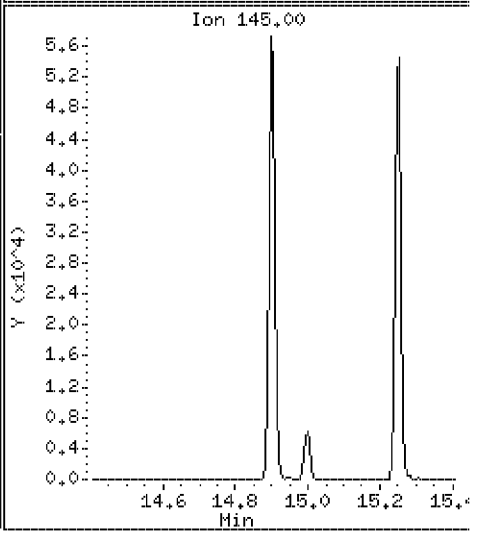












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

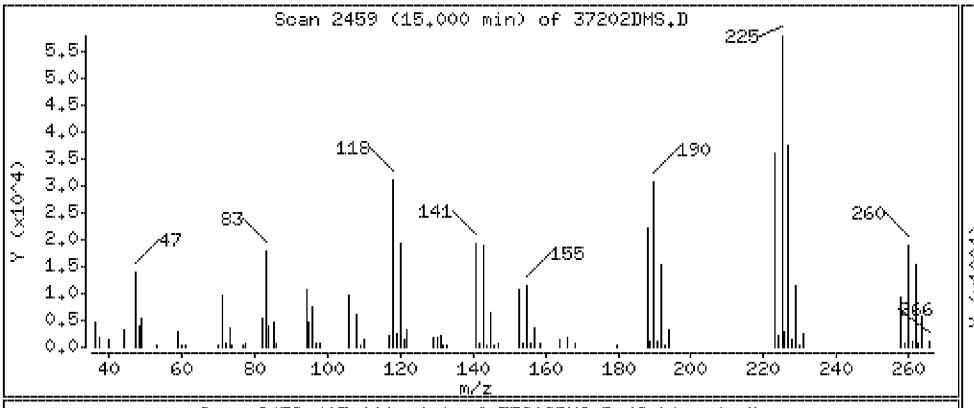
Operator:

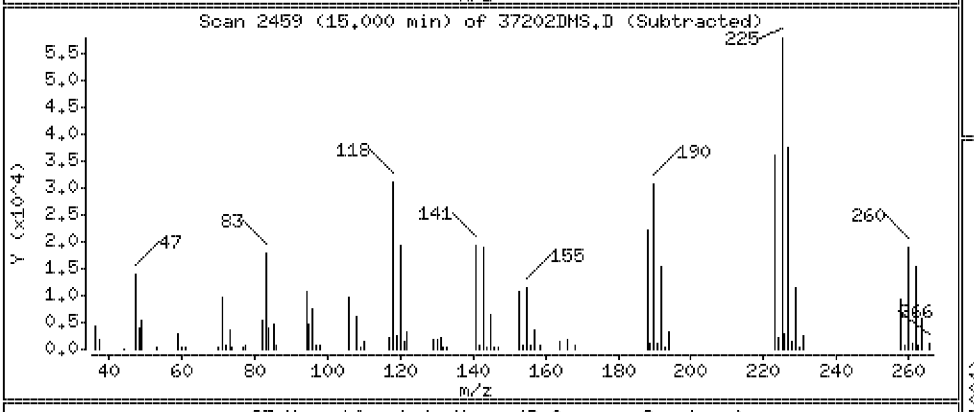
Column phase: DB-624

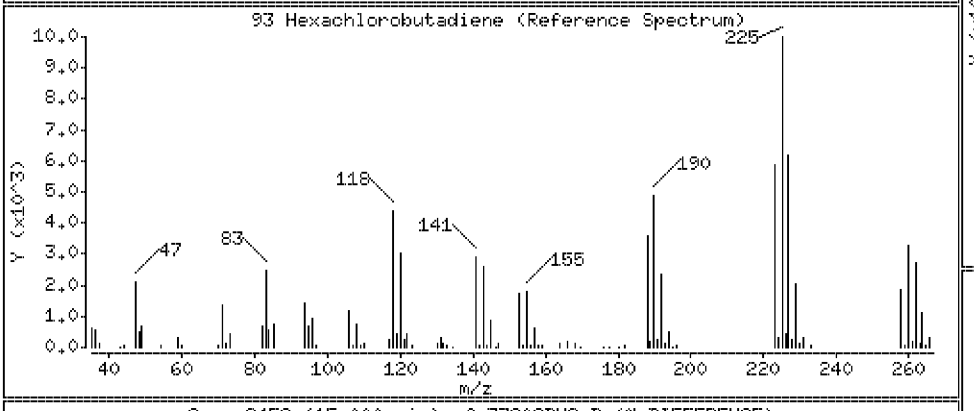
Column diameter: 0.18

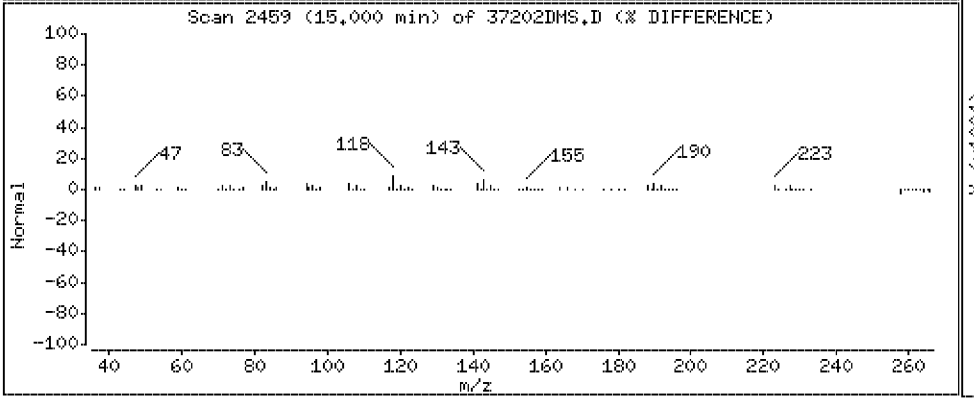
93 Hexachlorobutadiene

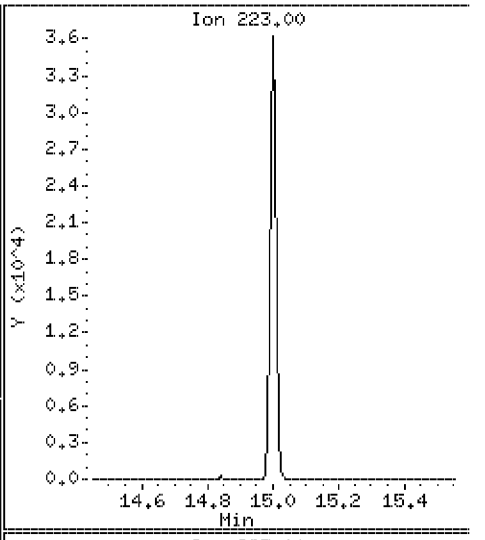
Concentration: 168 ug/l

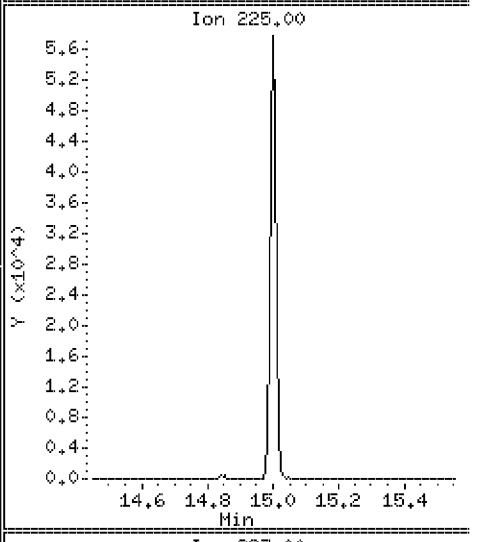


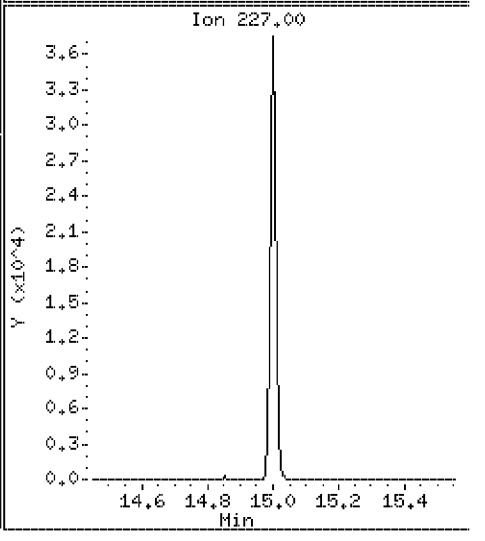












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

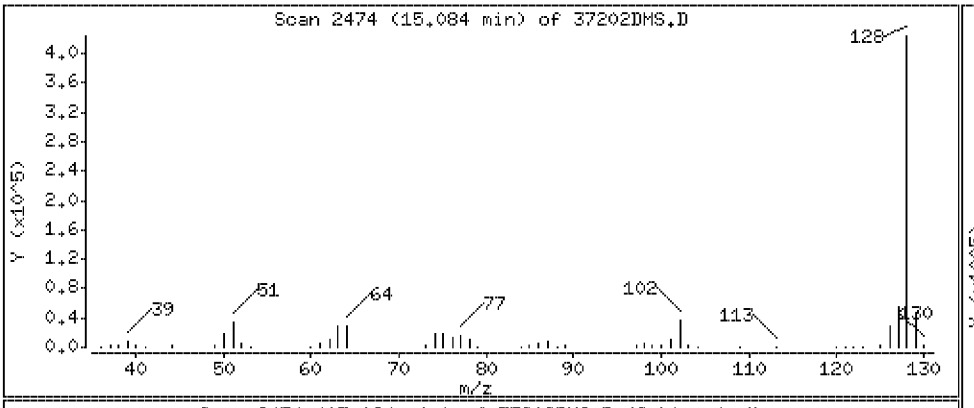
Operator:

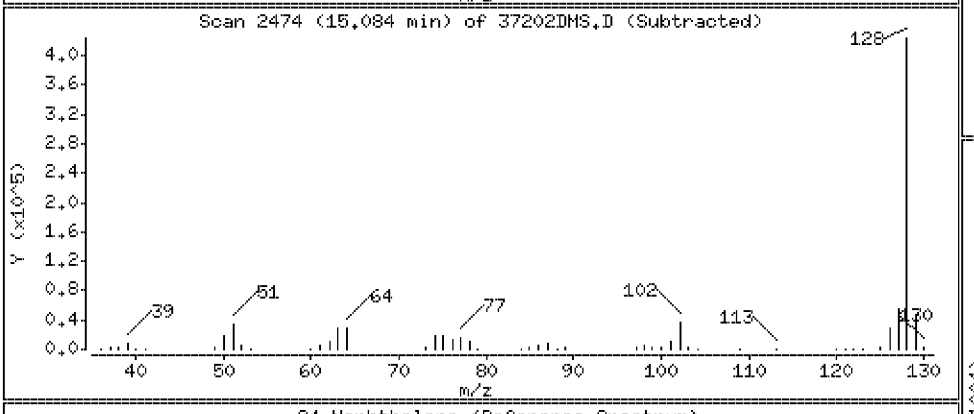
Column phase: DB-624

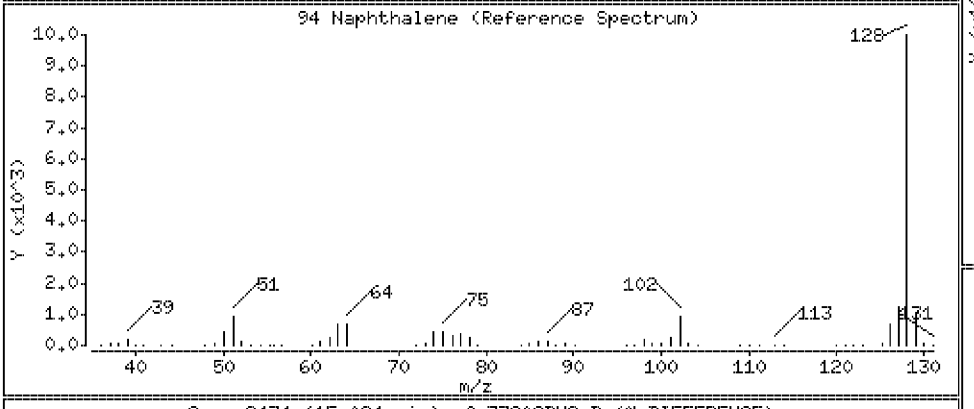
Column diameter: 0.18

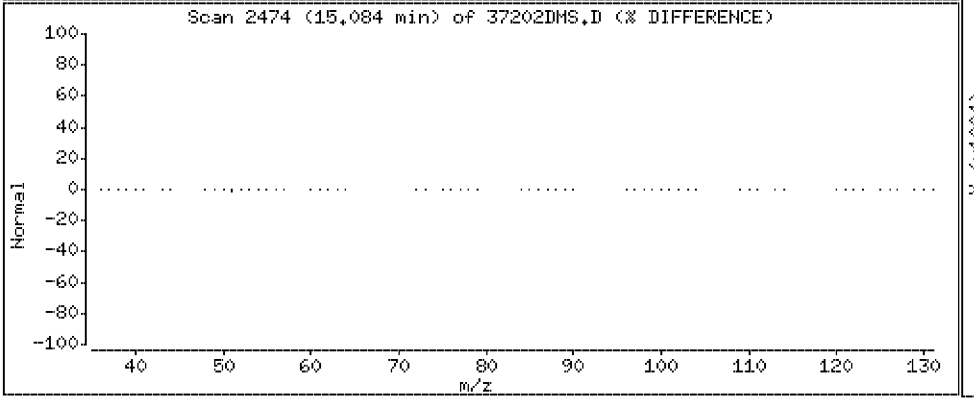
94 Naphthalene

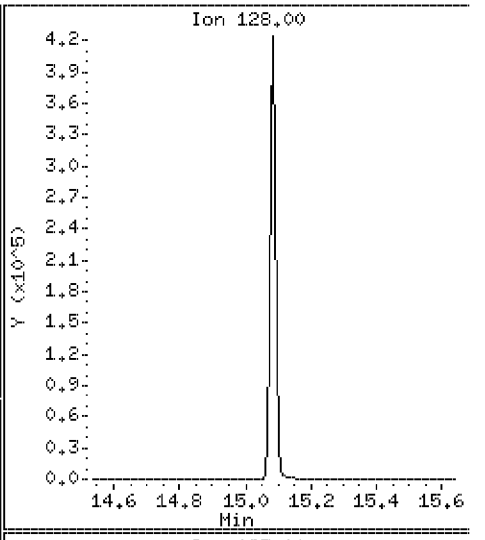
Concentration: 164 ug/l

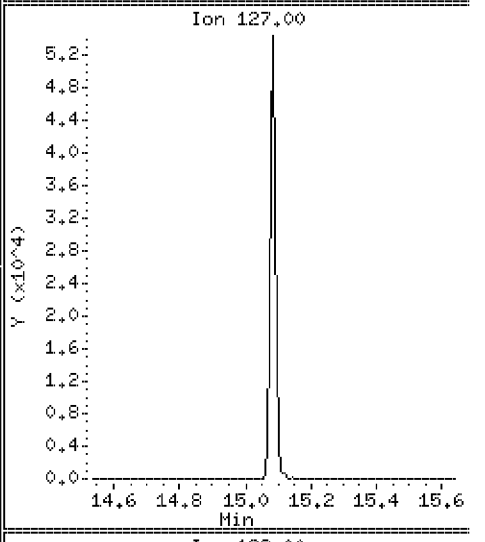


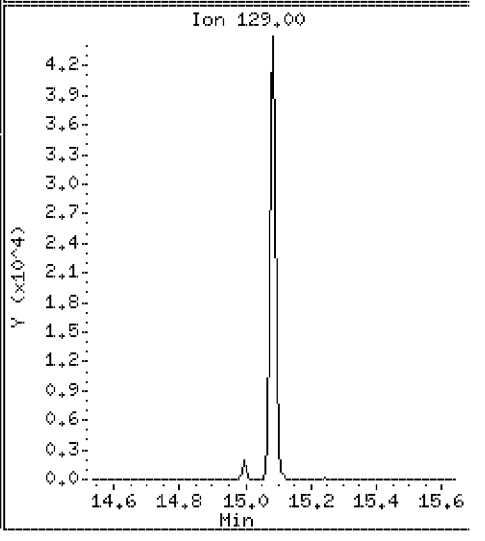












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

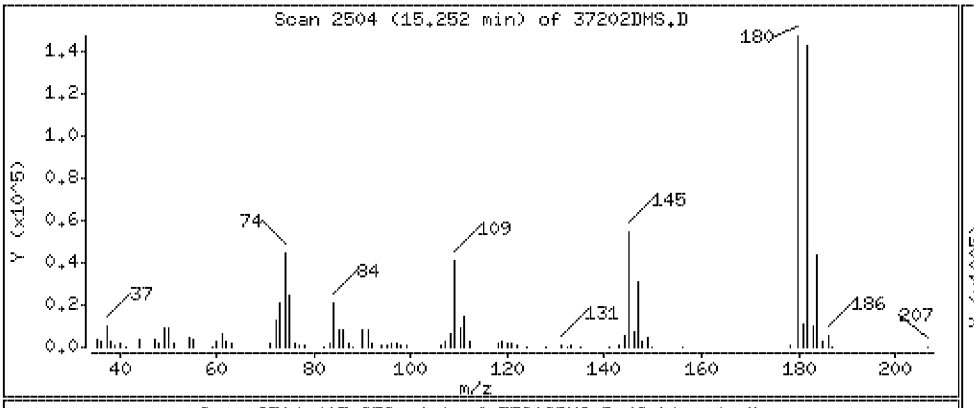
Operator:

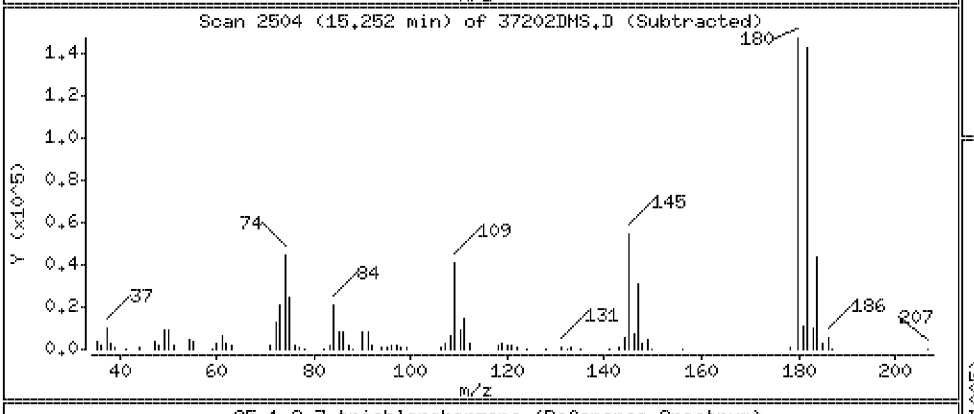
Column phase: DB-624

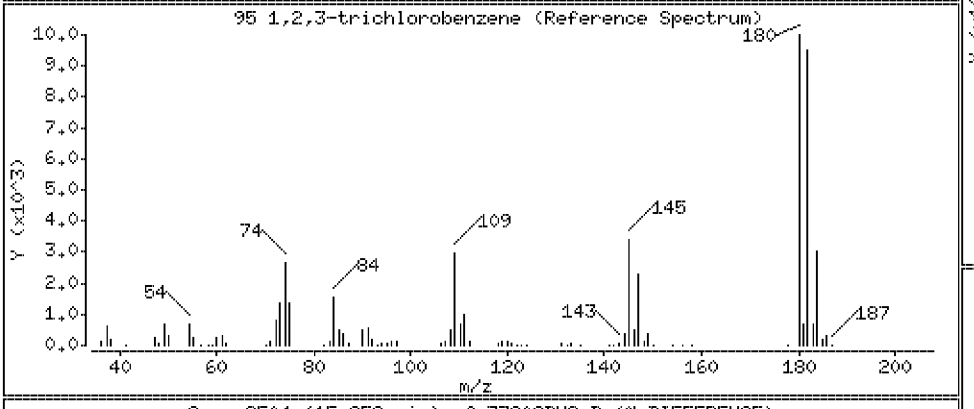
Column diameter: 0.18

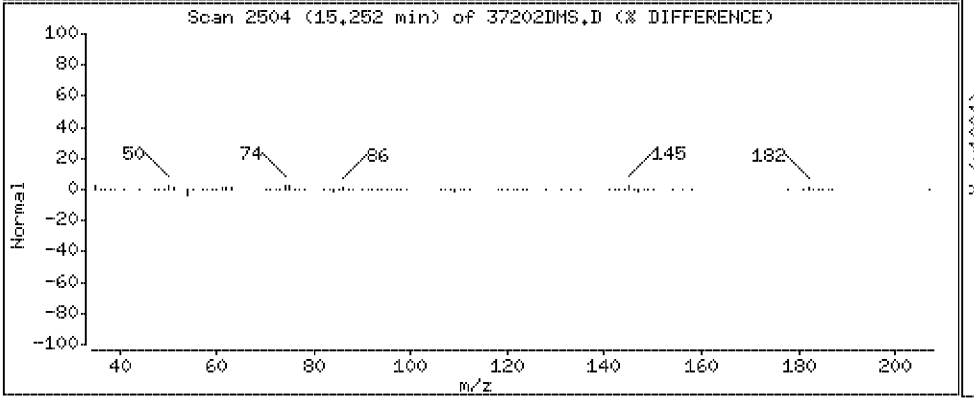
95 1,2,3-trichlorobenzene

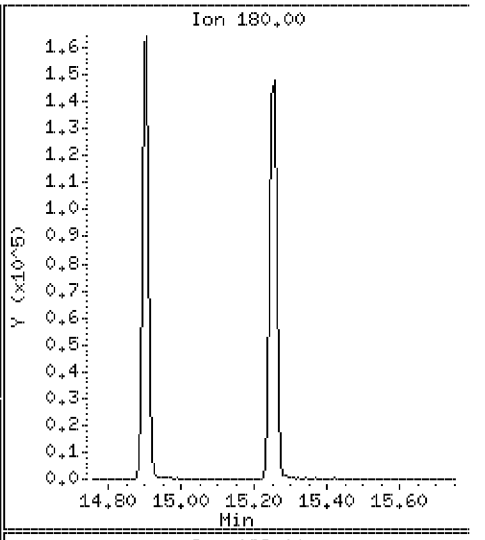
Concentration: 174 ug/l

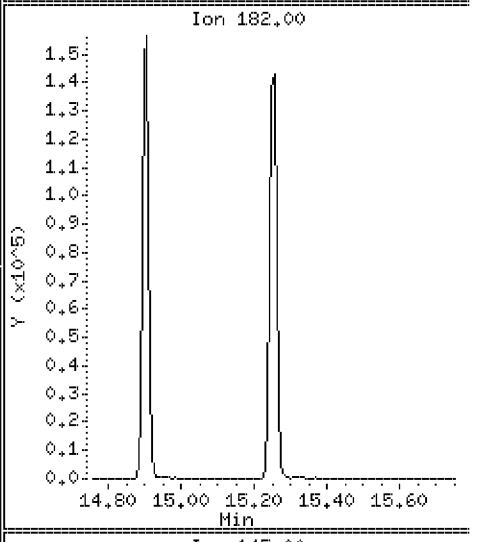


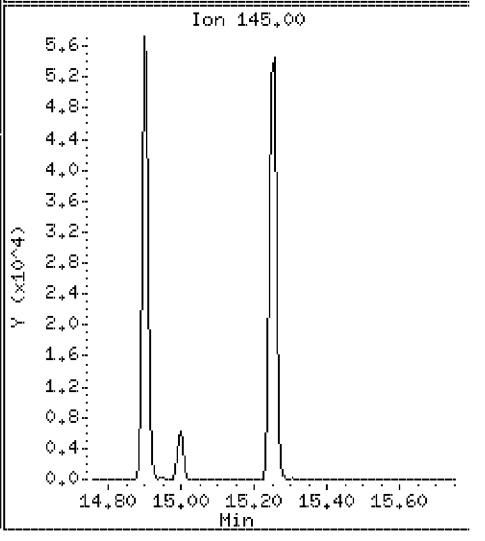












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

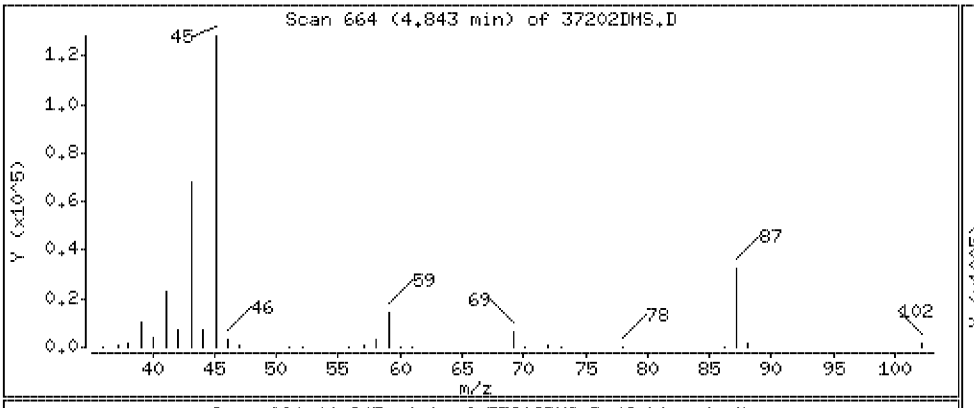
Operator:

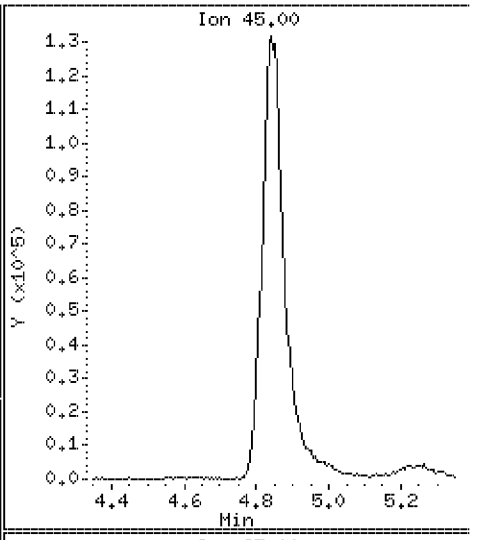
Column phase: DB-624

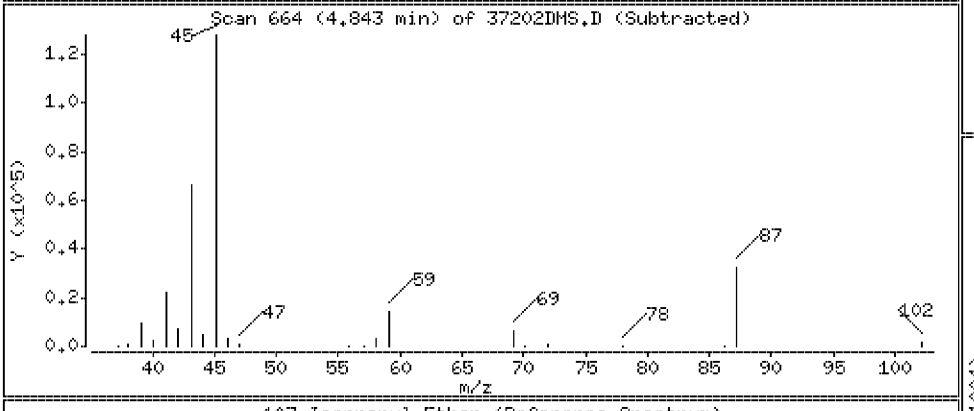
Column diameter: 0.18

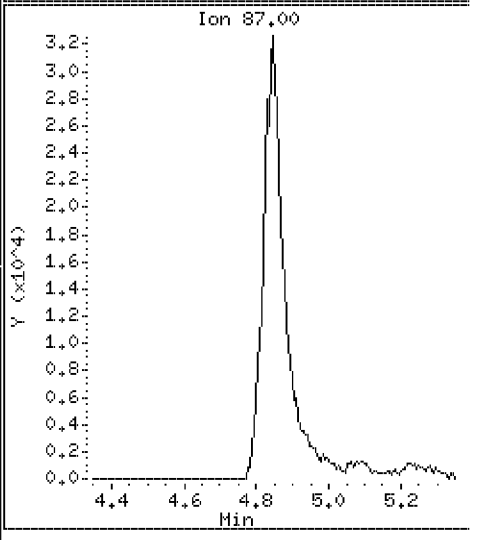
103 Isopropyl Ether

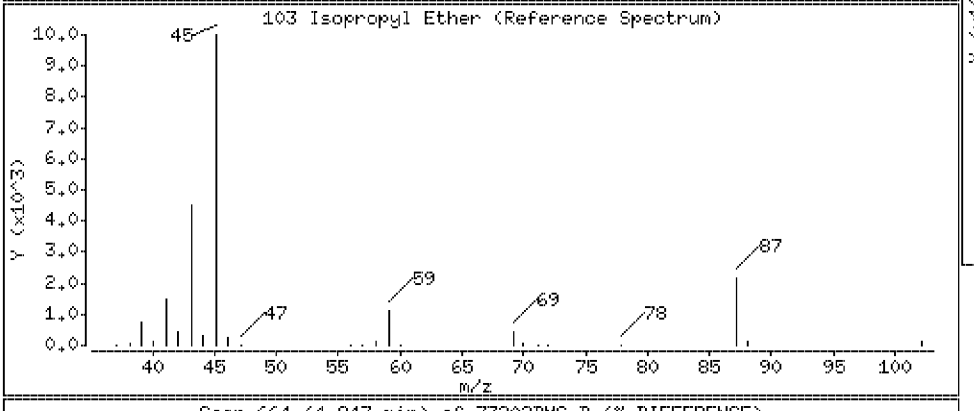
Concentration: 187 ug/l

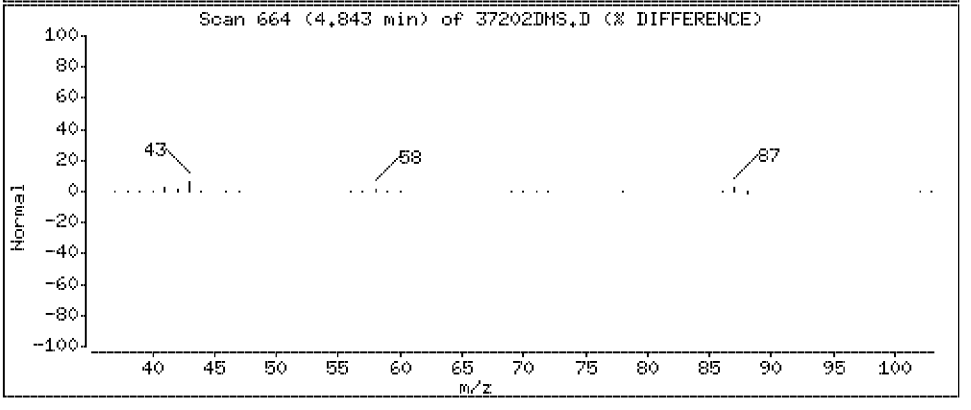












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

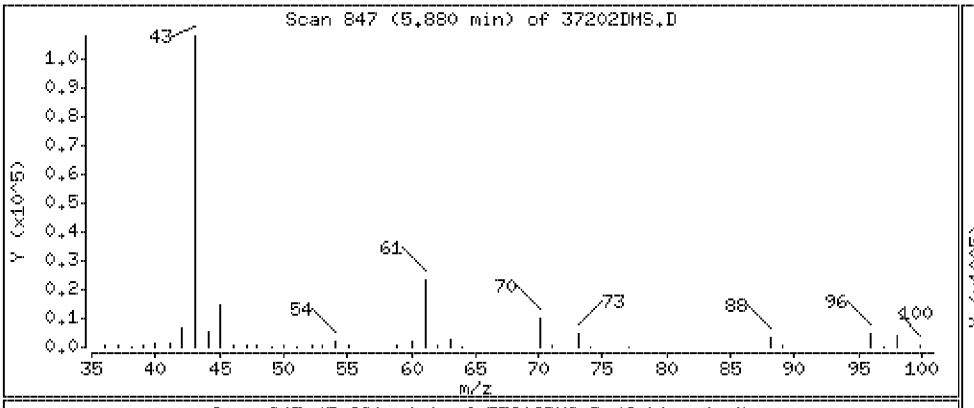
Operator:

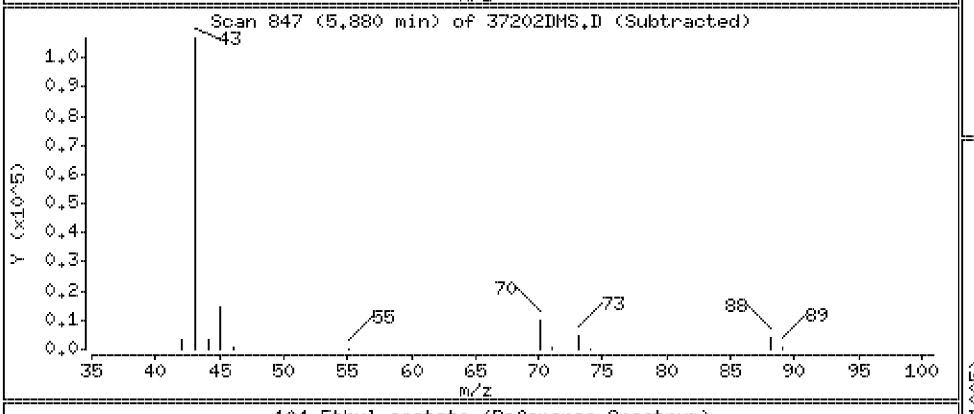
Column phase: DB-624

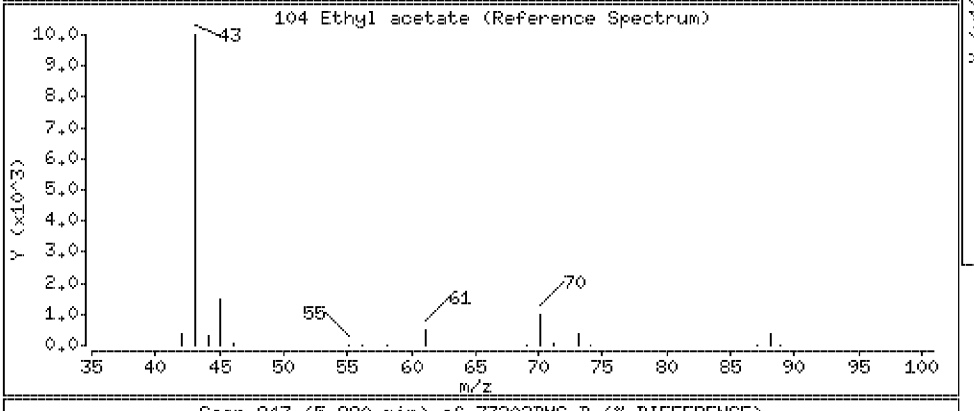
Column diameter: 0.18

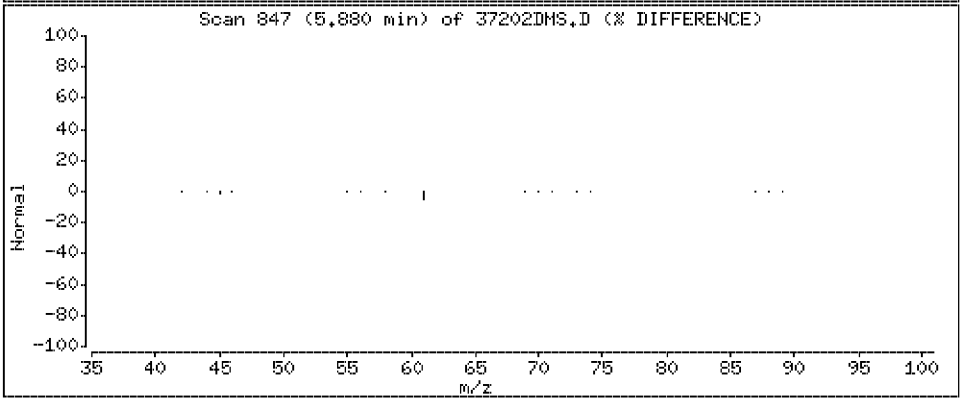
104 Ethyl acetate

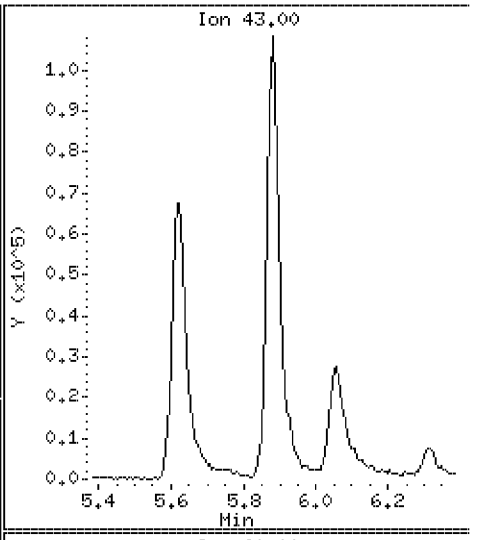
Concentration: 324 ug/l

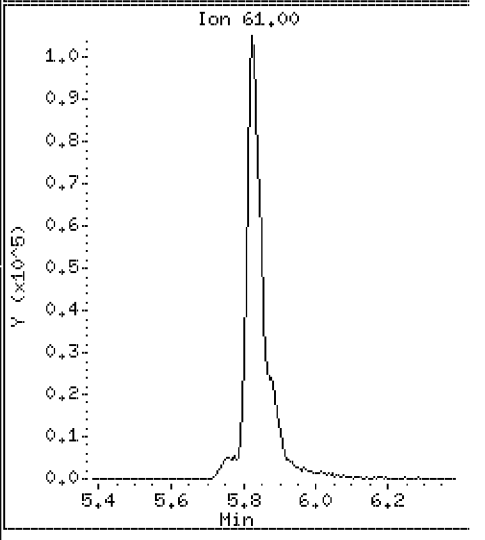












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

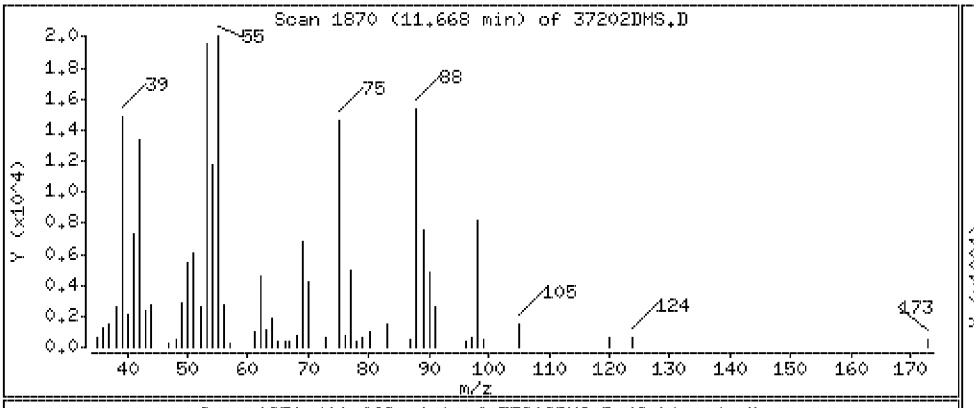
Operator:

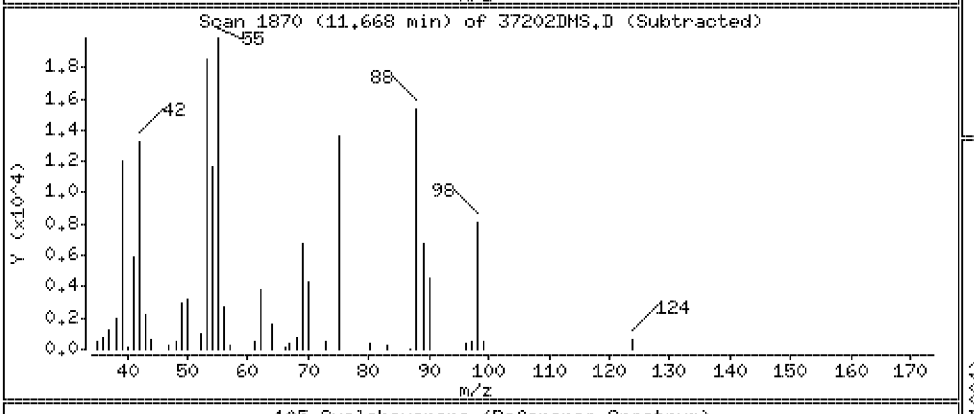
Column phase: DB-624

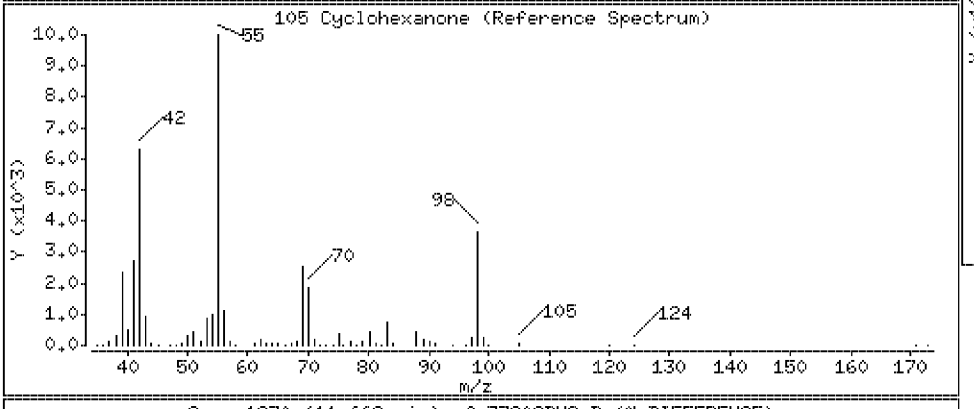
Column diameter: 0.18

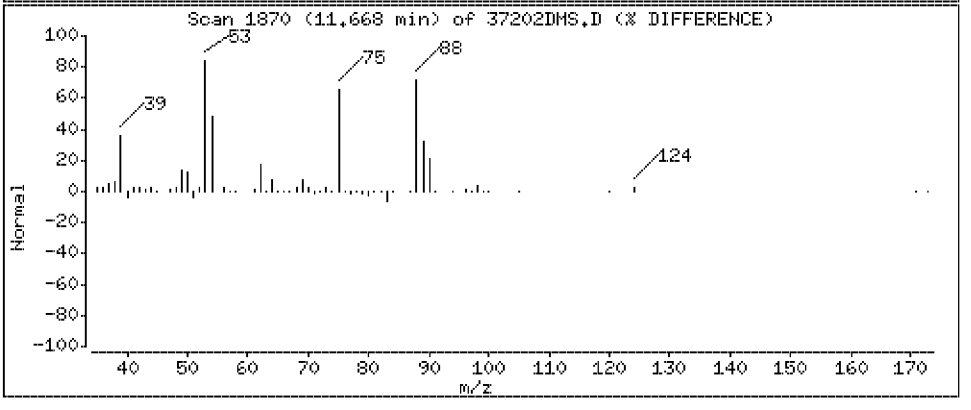
105 Cyclohexanone

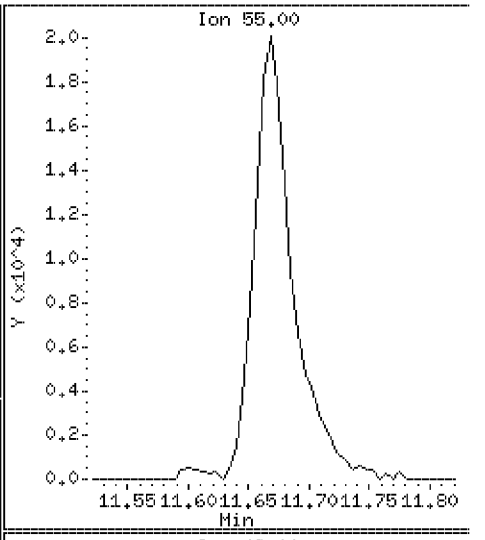
Concentration: 529 ug/l

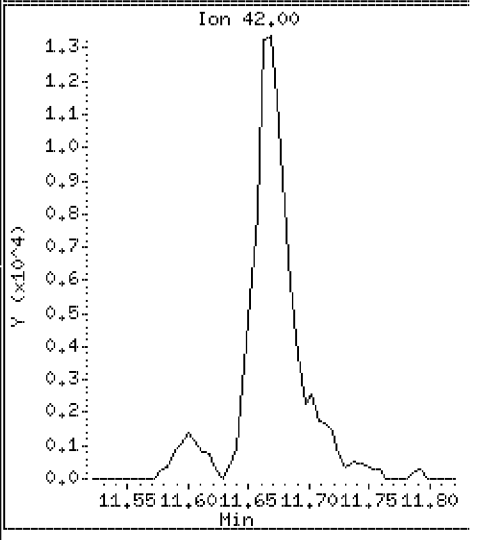












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

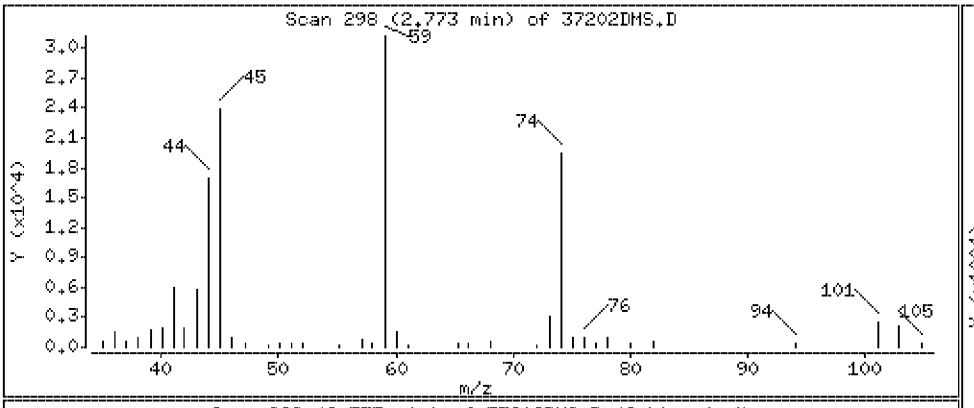
Client ID: TO05MW40AMS | Instrument: vms03.i

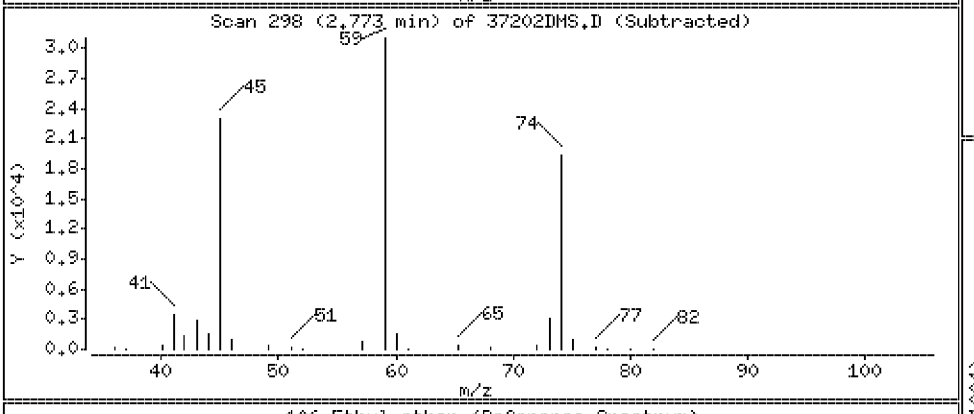
Sample Info: 250737202;2507372;10;

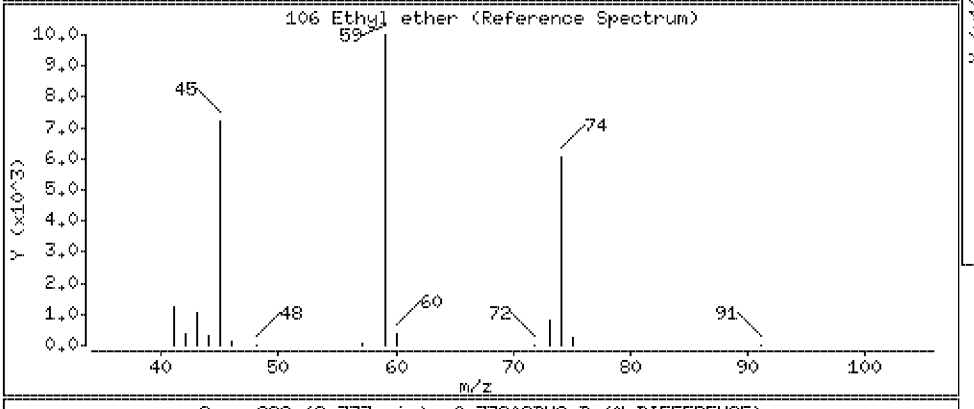
Purge Volume: 5.0 | Operator:

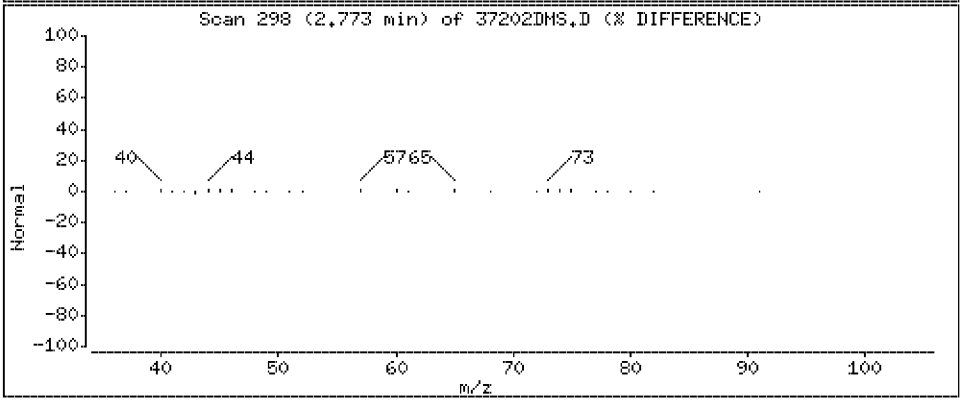
Column phase: DB-624 | Column diameter: 0.18

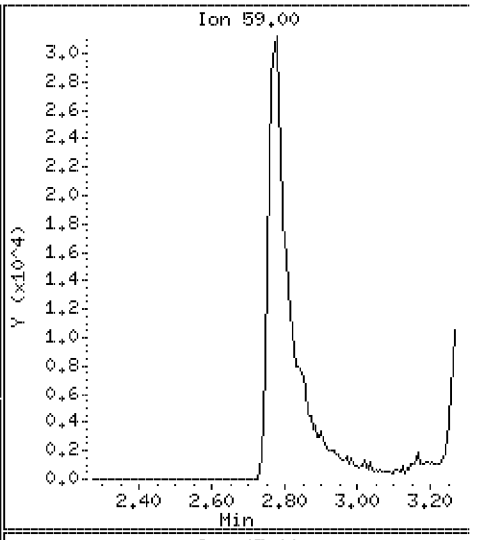
106 Ethyl ether | Concentration: 192 ug/l

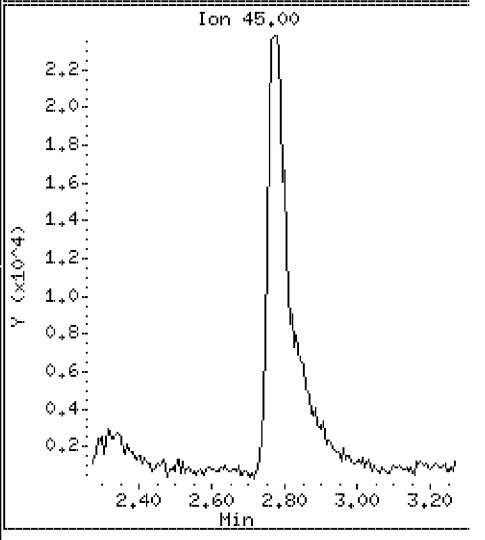












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

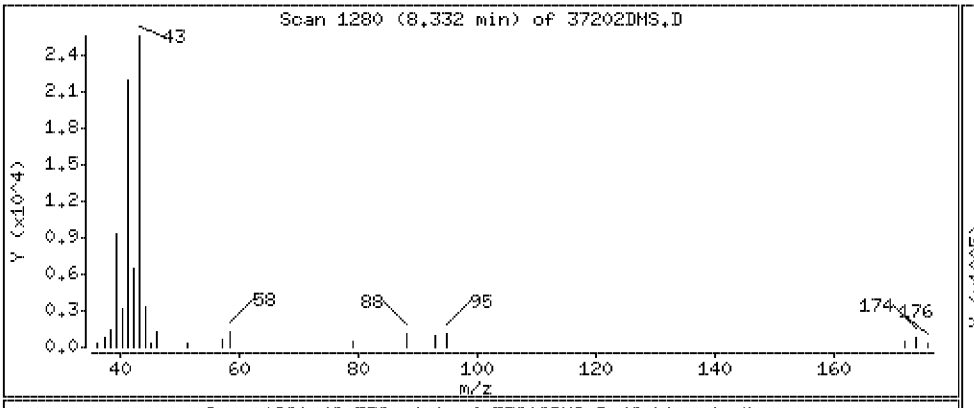
Operator:

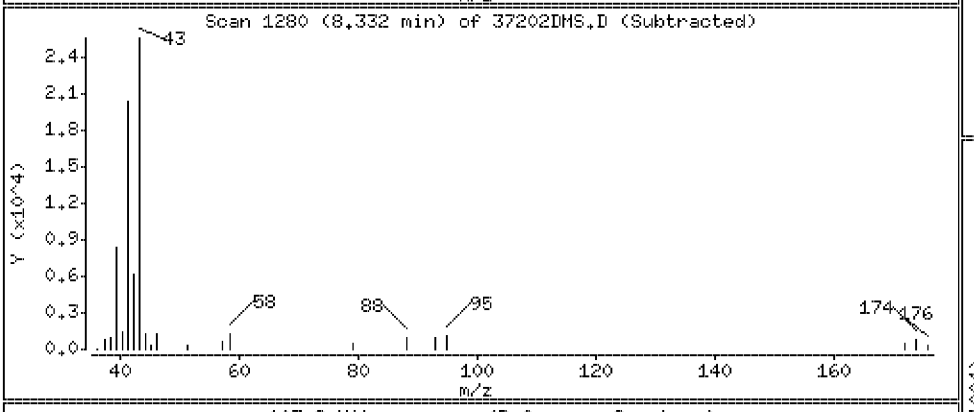
Column phase: DB-624

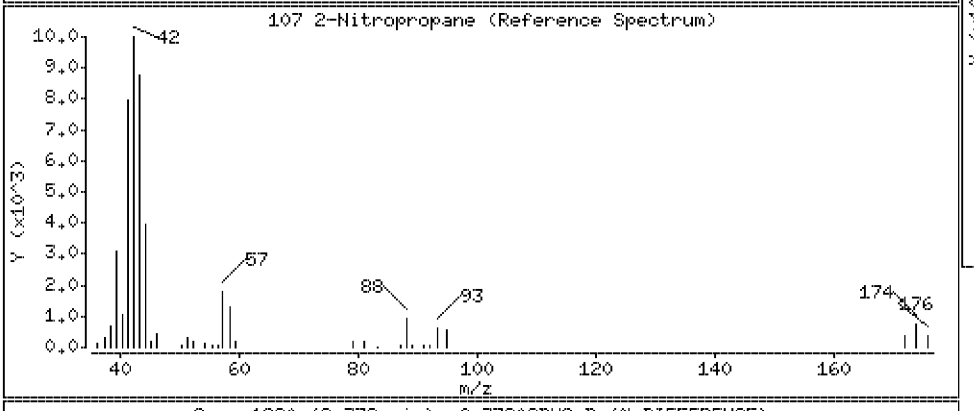
Column diameter: 0.18

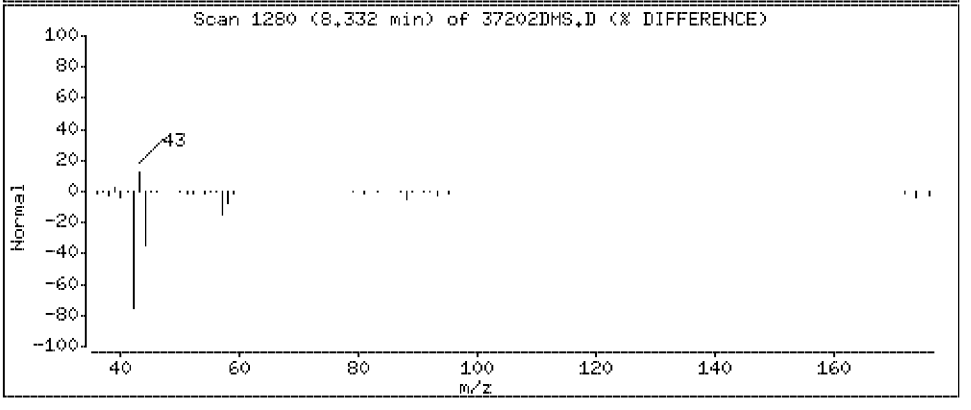
107 2-Nitropropane

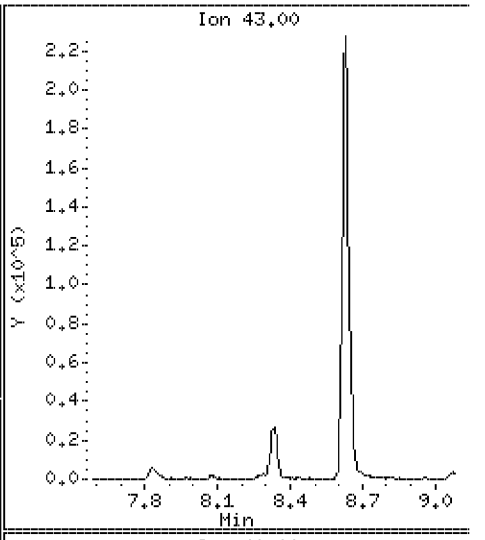
Concentration: 334 ug/l

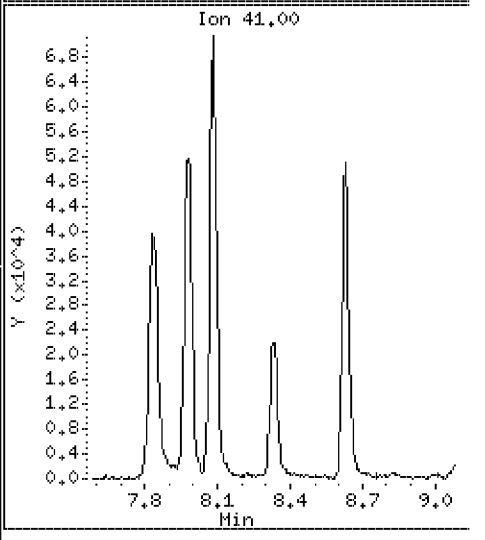












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Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

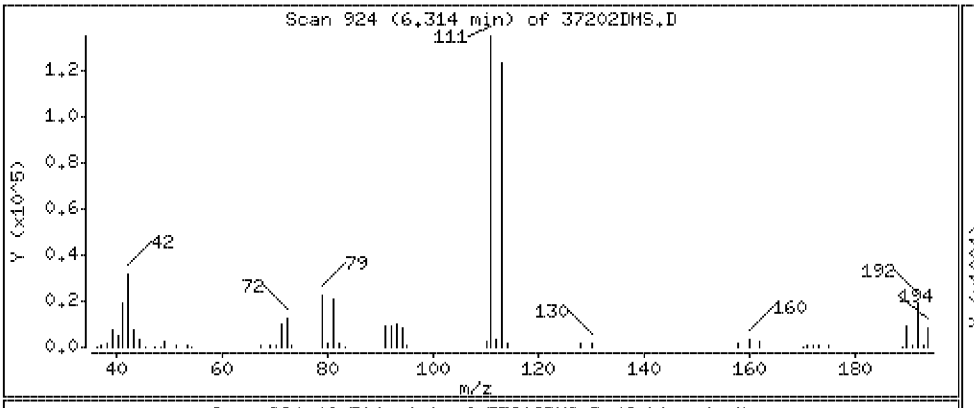
Operator:

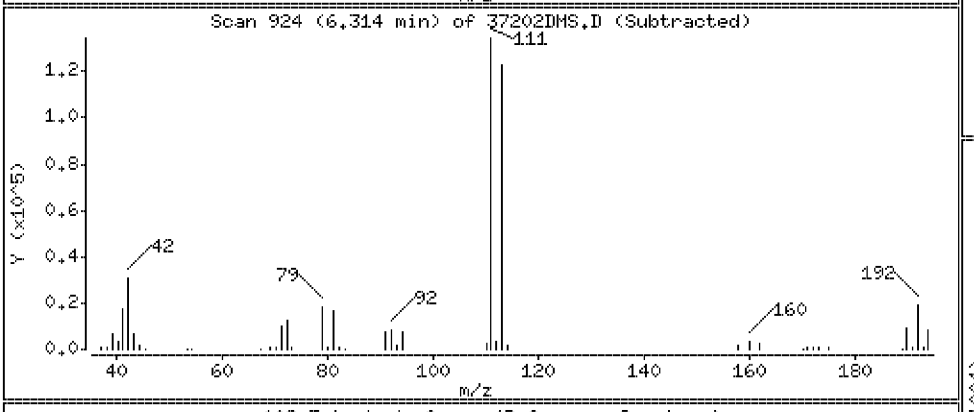
Column phase: DB-624

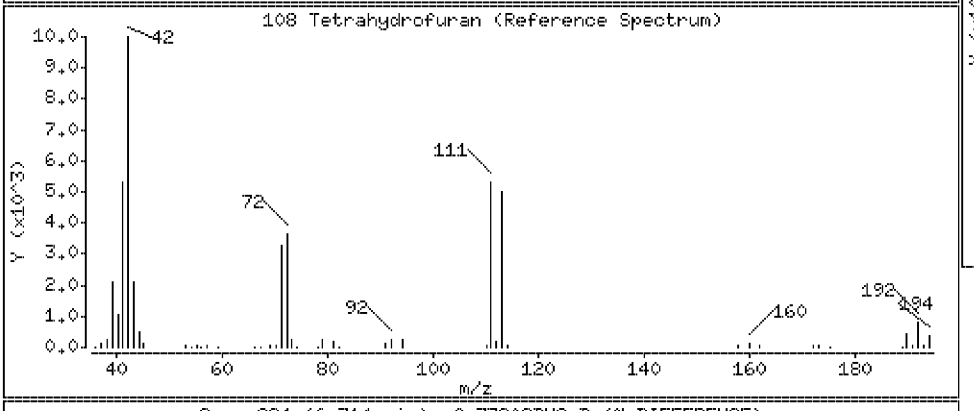
Column diameter: 0.18

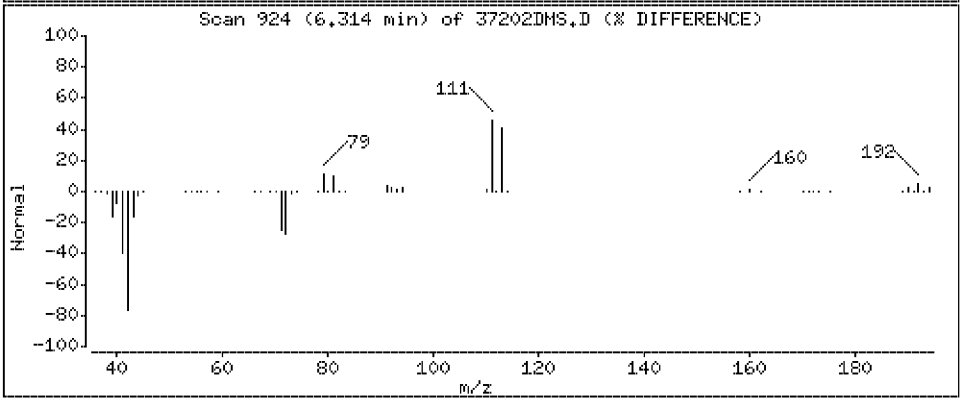
108 Tetrahydrofuran

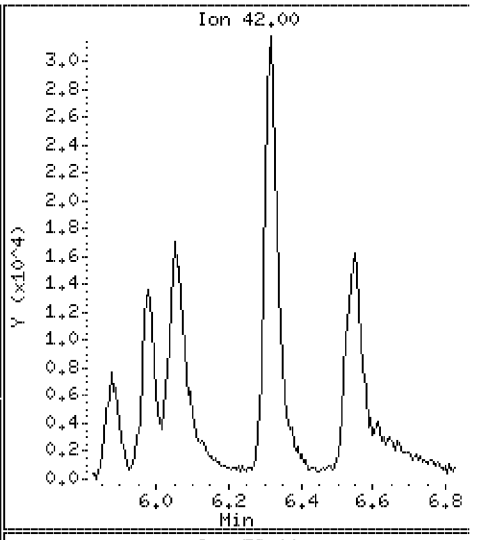
Concentration: 272 ug/l

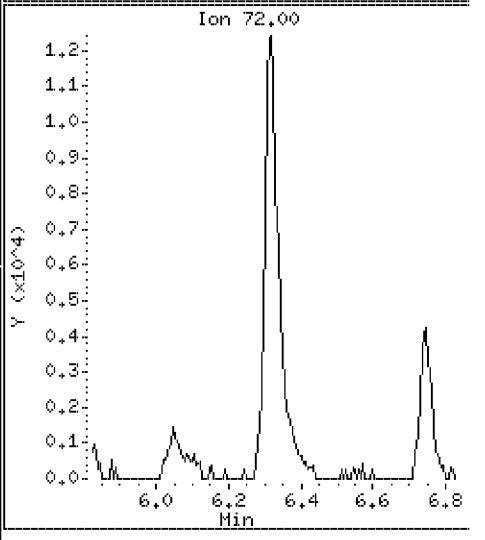












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37202DMS.D

Date : 21-AUG-2007 07:22

Client ID: TO05MW40AMS

Instrument: vms03.i

Sample Info: 250737202;2507372;10;

Purge Volume: 5.0

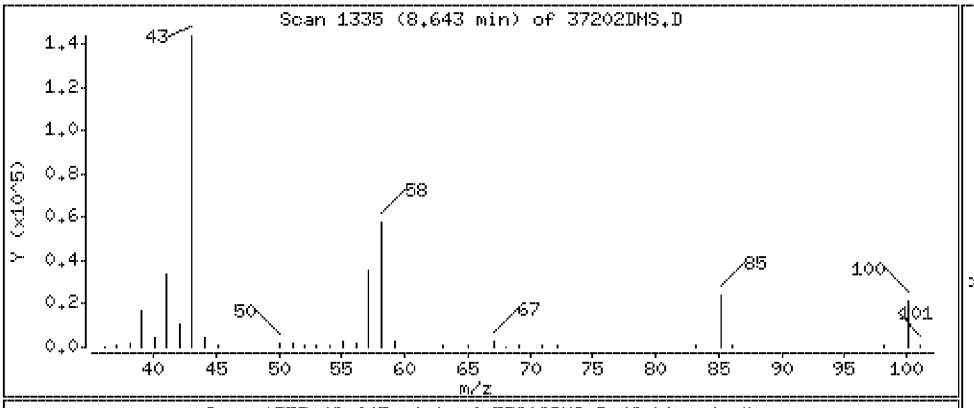
Operator:

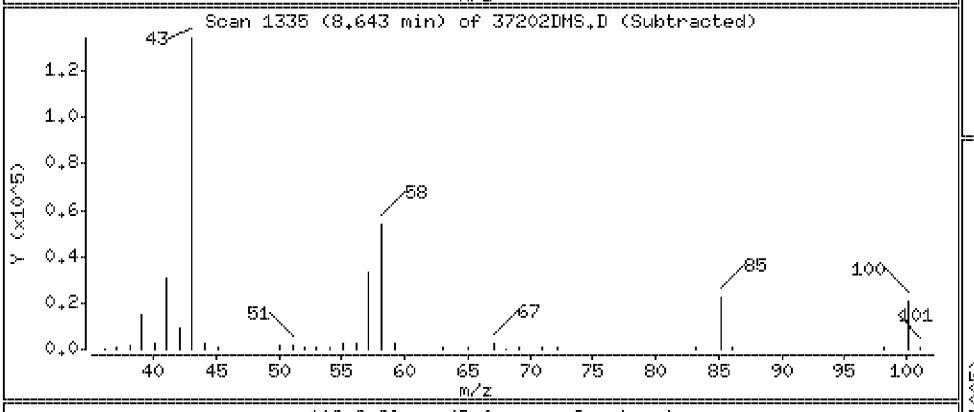
Column phase: DB-624

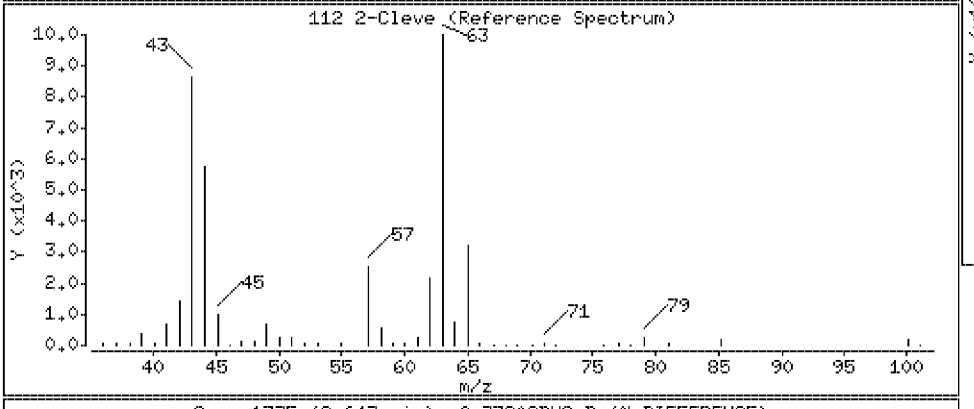
Column diameter: 0.18

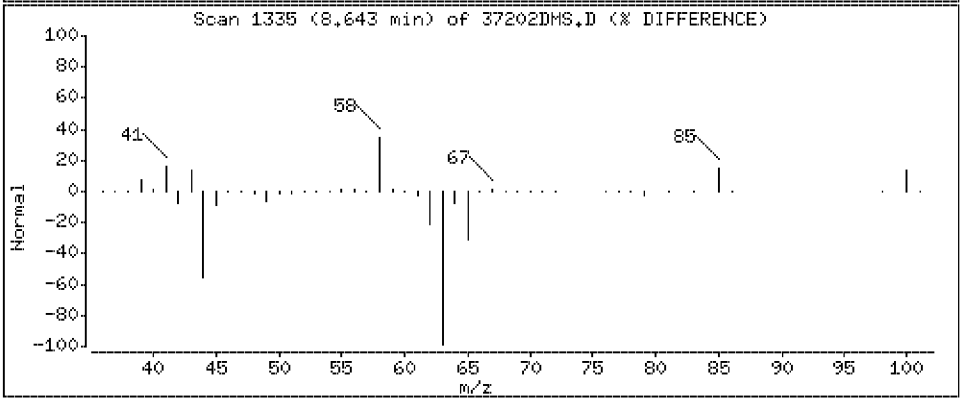
112 2-Cleve

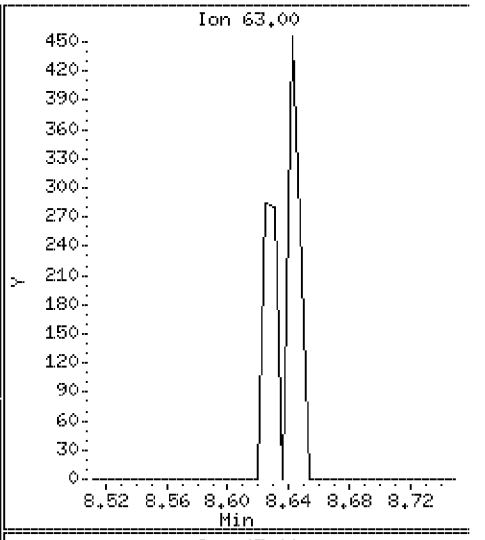
Concentration: 320 ug/l

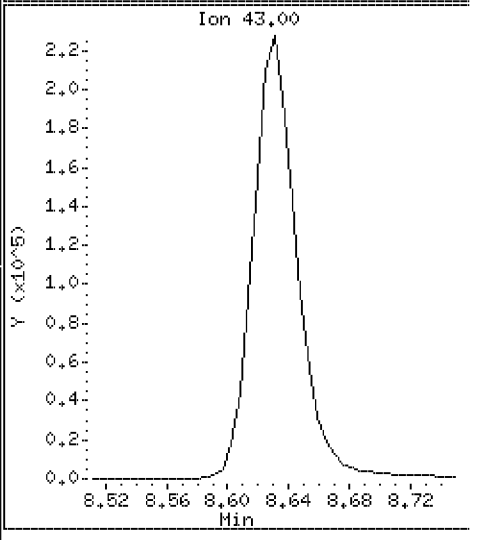












PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D
Lab Smp Id: 250737203 Client Smp ID: TO05MW40AMSD
Inj Date : 21-AUG-2007 07:45
Operator : Inst ID: vms03.i
Smp Info : 250737203;2507372;10;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3082107.b\8260A.m
Meth Date : 24-Aug-2007 07:37 mjacobs Quant Type: ISTD
Cal Date : 08-AUG-2007 09:24 Cal File: 1PPB.D
Als bottle: 7 QC Sample: MSD
Dil Factor: 10.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	10.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				453689	40.4971	405
M 2 Xylenes (Total)	100				1343355	56.2796	563
M 3 Trihalomethanes (Total)	100				738031	74.3534	744
4 Dichlorodifluoromethane	85	1.410	1.405	(0.192)	119633	22.7107	227
5 Chloromethane	50	1.663	1.620	(0.227)	215595	23.8778	239
6 Vinyl Chloride	62	1.737	1.738	(0.237)	176599	24.1180	241
7 Bromomethane	96	2.132	2.132	(0.291)	86421	20.2984	203(Q)
8 Chloroethane	64	2.208	2.242	(0.301)	115418	21.5108	215
9 Trichlorofluoromethane	101	2.460	2.458	(0.336)	175083	20.7615	208
10 Acrolein	56	2.942	2.940	(0.402)	96255	70.8102	708(Q)
11 1,1,2 Trichlorotrifluoromethan	101	2.960	2.955	(0.404)	123091	18.7203	187(Q)
12 Acetone	43	3.011	3.024	(0.411)	109724	48.7584	488
13 1,1-Dichloroethene	61	3.172	3.174	(0.433)	274166	18.8370	188
109 t-Butyl-Alcohol	59	3.290	3.300	(0.449)	118447	160.034	1600(Q)
14 Acetonitrile	41	3.358	3.349	(0.458)	168510	152.635	1530(R)
15 Iodomethane	142	3.568	3.555	(0.487)	179935	20.0732	201(q)
16 Methyl Acetate	43	3.634	3.632	(0.496)	136227	18.4246	184
17 Allyl Chloride	41	3.668	3.658	(0.501)	306109	21.5710	216(q)
18 Carbon Disulfide	76	3.815	3.813	(0.521)	542996	17.1242	171(R)
19 Methylene Chloride	49	3.862	3.864	(0.527)	284179	19.0829	191
20 Acrylonitrile	53	4.052	4.045	(0.553)	200836	58.2547	582(q)
21 Methyl-tert-butyl ether	73	4.104	4.108	(0.560)	338248	19.9982	200(q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	22 trans 1,2-Dichloroethene	61	4.292	4.294	(0.586)	241003	18.1223	181
	23 1,1-Dichloroethane	63	4.951	4.944	(0.676)	318470	19.6841	197
	24 Vinyl Acetate	43	5.008	5.009	(0.683)	322904	17.5711	176(R)
	25 Chloroprene	53	5.085	5.085	(0.694)	233571	17.0686	171(R)
	26 2-Butanone	43	5.618	5.626	(0.767)	226593	49.7896	498
	27 Propionitrile	54	5.720	5.725	(0.781)	246218	179.645	1800
	28 2,2-Dichloropropane	77	5.764	5.761	(0.787)	96281	19.3979	194
	29 cis-1,2-Dichloroethene	96	5.829	5.827	(0.796)	212686	22.3748	224
	30 Methyacrylonitrile	67	5.979	5.981	(0.816)	718289	189.747	1900
	31 Isobutyl Alcohol	43	6.054	6.062	(0.826)	71292	216.704	2170(Q)
	32 Chloroform	83	6.041	6.043	(0.824)	300950	19.3765	194
	33 Bromochloromethane	49	6.244	6.240	(0.852)	173368	19.0378	190
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.325	6.326	(0.863)	356328	49.7936	49.8
	35 1,1,1-Trichloroethane	97	6.547	6.546	(0.893)	206332	20.7146	207
	36 Cyclohexane	56	6.548	6.547	(0.894)	281708	18.7426	187
	37 1,1-Dichloropropene	75	6.744	6.744	(0.920)	233218	19.5412	195
	38 Carbon tetrachloride	117	6.851	6.853	(0.935)	164531	20.3353	203
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.950	6.951	(0.948)	86198	49.1555	49.2
	40 1,2-Dichloroethane	62	7.059	7.061	(0.963)	238763	19.0052	190
	41 Benzene	78	7.060	7.061	(0.964)	713478	18.5180	185
*	42 FLUOROBENZENE (IS)	96	7.328	7.327	(1.000)	1498383	50.0000	
	43 Trichloroethylene	130	7.778	7.776	(1.061)	276467	33.3862	334(R)
	44 Methyl Cyclohexane	55	7.835	7.834	(1.069)	194696	18.1675	182
	45 1,2-Dichloropropane	63	7.980	7.980	(1.089)	191958	19.6181	196
	46 Methyl Methacrylate	69	8.083	8.079	(1.103)	110977	19.5644	196
	47 Bromodichloromethane	83	8.233	8.231	(1.124)	215160	18.8219	188
	48 1,4 Dioxane	88	8.282	8.293	(1.130)	25484	317.485	3170(q)
	49 Dibromomethane	93	8.284	8.288	(1.130)	106631	18.4756	185
	50 4-Methyl-2-Pentanone	43	8.628	8.635	(0.661)	488791	53.8462	538
	51 2-Hexanone	43	9.541	9.546	(0.898)	354379	52.3369	523
	52 cis 1,3-Dichloropropene	75	8.830	8.831	(1.205)	231986	16.5100	165(R)
$	53 TOLUENE d8 (surr)	98	9.075	9.076	(1.239)	1439026	48.3819	48.4
	54 Toluene	92	9.158	9.159	(1.250)	439042	19.0144	190
	55 trans 1,3-Dichloropropene	75	9.361	9.362	(1.277)	200122	17.3511	174
	56 Ethyl Methacrylate	69	9.365	9.367	(1.278)	201776	19.9339	199
	57 1,1,2-Trichloroethane	97	9.517	9.516	(1.299)	152547	19.2892	193
	58 1,3-Dichloropropane	76	9.778	9.779	(0.920)	278214	19.5542	196
	59 Tetrachloroethylene	164	9.830	9.829	(0.925)	119007	19.4978	195
	60 Dibromochloromethane	129	10.037	10.036	(0.944)	145117	18.4491	184
	61 1,2-Dibromoethane	107	10.241	10.241	(0.963)	142317	18.2937	183
	62 1-Chlorohexane	91	10.420	10.421	(0.980)	218460	19.8630	199
*	63 CHLOROBENZENE d5 (IS)	117	10.630	10.630	(1.000)	1087321	50.0000	
	64 Chlorobenzene	112	10.668	10.668	(1.004)	487659	19.6892	197
	65 1,1,1,2-Tetrachloroethane	131	10.714	10.715	(1.008)	138621	19.8067	198(q)
	66 Ethylbenzene	106	10.725	10.723	(1.009)	259957	19.3335	193
	67 p,m-Xylene	106	10.802	10.802	(1.016)	651720	37.9559	380
	68 o-Xylene	91	11.241	11.242	(1.058)	691635	18.3237	183
	69 Styrene	104	11.279	11.280	(1.061)	499313	18.3818	184(R)
	70 Bromoform	173	11.617	11.616	(1.093)	76804	17.7059	177
	71 1-Methylethylbenzene	105	11.605	11.606	(0.889)	794649	19.8173	198
	72 1,4-Dichloro-2-Butene	53	11.241	11.258	(0.862)	16930	90.4761	905(QR)
	73 1,1,2,2-Tetrachloroethane	83	11.781	11.781	(0.903)	208994	18.6661	187
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.857	11.857	(0.909)	564088	46.4435	46.4
	75 1,2,3- trichloropropane	110	11.929	11.930	(0.914)	61198	19.6437	196

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
76 n-Propylbenzene	91	12.009	12.009	(0.920)	1040523	19.1116	191
77 Bromobenzene	77	12.049	12.049	(0.923)	362006	18.2844	183
78 1,3,5-Trimethylbenzene	105	12.168	12.167	(0.933)	677149	18.6019	186
79 2-Chlorotoluene	91	12.185	12.185	(0.934)	691134	19.0505	190
80 4-Chlorotoluene	91	12.233	12.232	(0.938)	656747	18.9406	189
81 tert-Butylbenzene	119	12.527	12.527	(0.960)	611355	18.7140	187
82 1,2,4-trimethylbenzene	105	12.562	12.562	(0.963)	707165	19.3336	193
83 sec-Butylbenzene	105	12.740	12.740	(0.976)	819095	18.3524	184
84 p-Isopropyltoluene	119	12.878	12.878	(0.987)	664792	18.2650	183(R)
85 1,3-Dichlorobenzene	146	12.972	12.975	(0.994)	371029	19.1459	191
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.047	13.048	(1.000)	586909	50.0000	
87 1,4-Dichlorobenzene	146	13.079	13.079	(1.002)	378678	19.6096	196
88 Benzyl Chloride	91	13.198	13.195	(1.012)	228561	19.7988	198
89 n-Butylbenzene	91	13.289	13.289	(1.019)	646616	18.2077	182
90 1,2-Dichlorobenzene	146	13.451	13.450	(1.031)	345018	18.6170	186
91 1,2-dibromo-3-chloropropane	75	14.215	14.217	(1.089)	30339	16.6479	166
92 1,2,4-Trichlorobenzene	180	14.904	14.904	(1.142)	189703	16.2999	163
93 Hexachlorobutadiene	223	15.003	15.002	(1.150)	38497	15.0114	150(R)
94 Naphthalene	128	15.088	15.087	(1.156)	478072	16.5771	166
95 1,2,3-trichlorobenzene	180	15.256	15.254	(1.169)	167709	16.5440	165
103 Isopropyl Ether	45	4.842	4.846	(0.661)	572637	18.5913	186
104 Ethyl acetate	43	5.879	5.883	(0.802)	318499	36.6754	367
105 Cyclohexanone	55	11.667	11.672	(1.098)	47785	56.2392	562(R)
106 Ethyl ether	59	2.774	2.770	(0.379)	118604	18.1517	182
107 2-Nitropropane	43	8.331	8.332	(1.137)	69497	37.5371	375
108 Tetrahydrofuran	42	6.314	6.324	(0.862)	100173	32.0260	320

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 37203DSD.D
Lab Smp Id: 250737203
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3082107.b\8260A.m
Misc Info:

Calibration Date: 08-AUG-2007
Calibration Time: 06:09
Client Smp ID: TO05MW40AMSD
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1538145	769073	3076290	1498383	-2.59
63 CHLOROBENZENE d5	1065619	532810	2131238	1087321	2.04
86 1,4-DICHLOROBENZE	594676	297338	1189352	586909	-1.31

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.33	6.83	7.83	7.33	0.01
63 CHLOROBENZENE d5	10.63	10.13	11.13	10.63	-0.01
86 1,4-DICHLOROBENZE	13.05	12.55	13.55	13.05	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

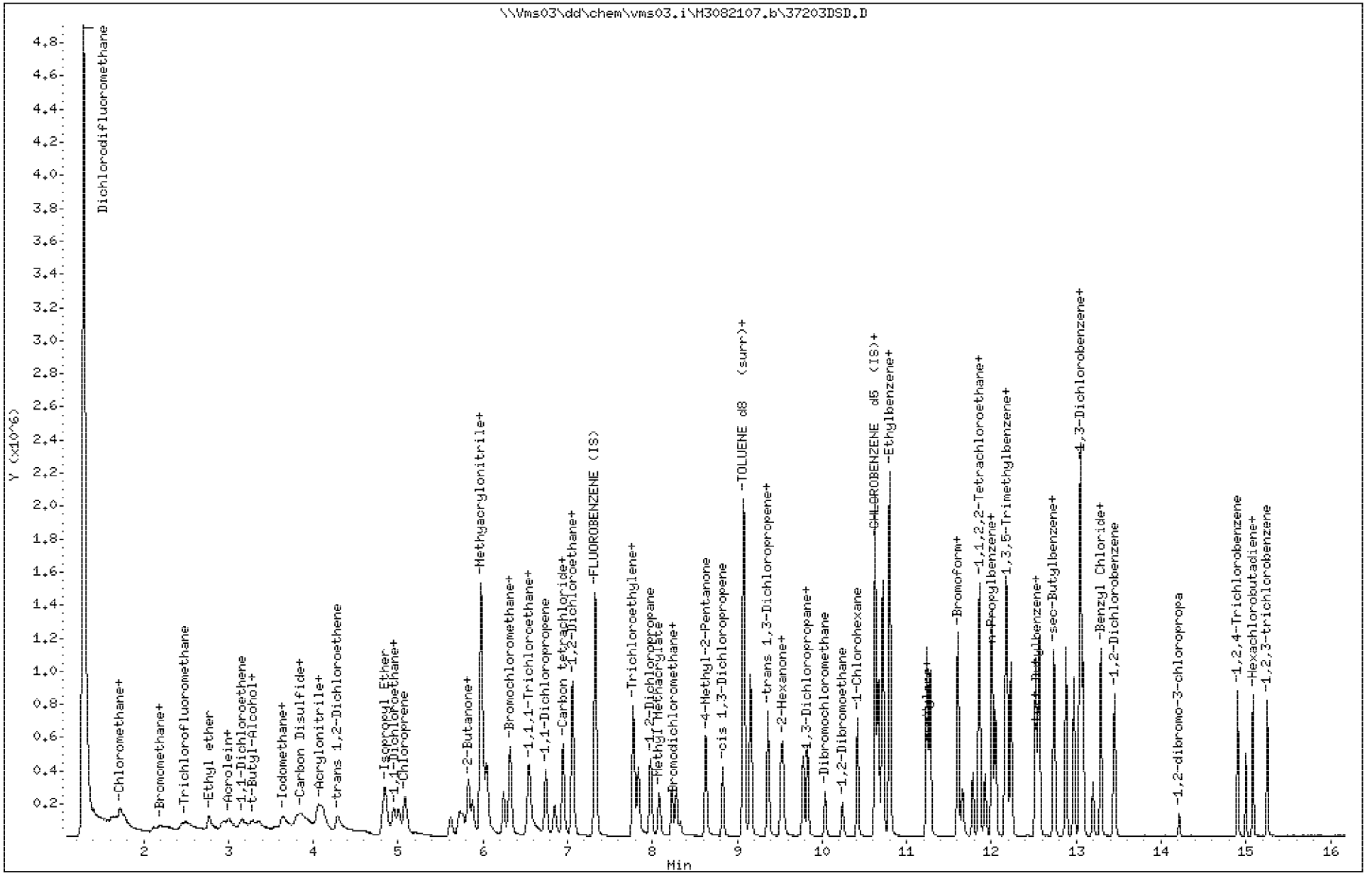
Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

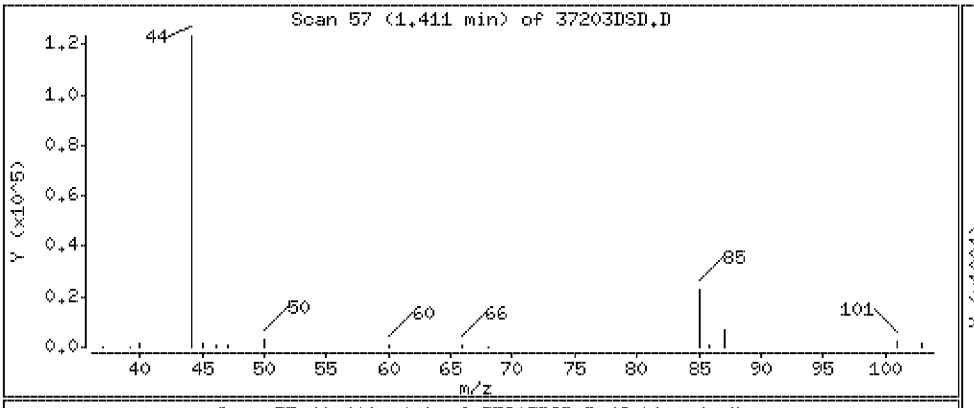
Operator:

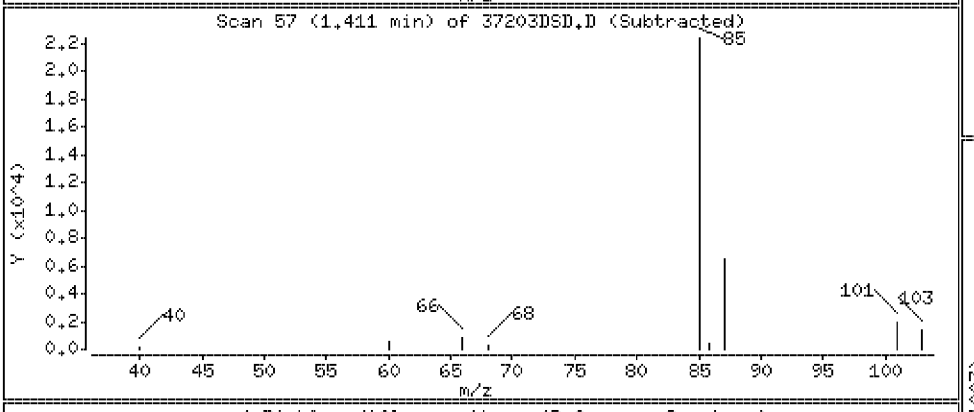
Column phase: DB-624

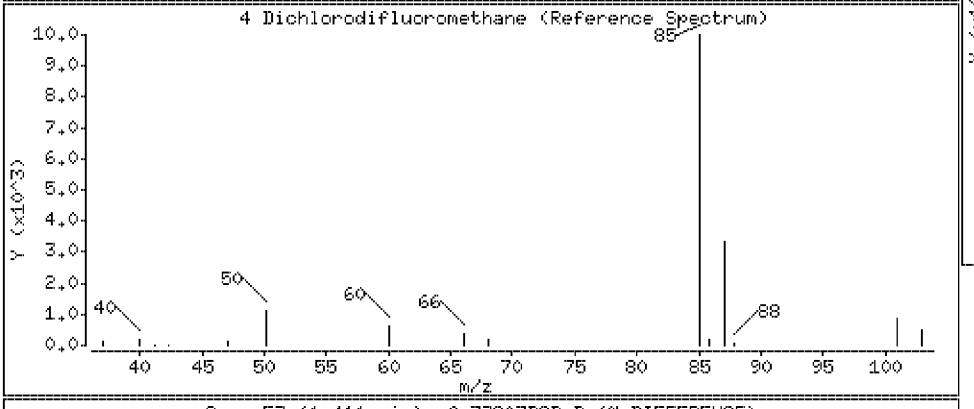
Column diameter: 0.18

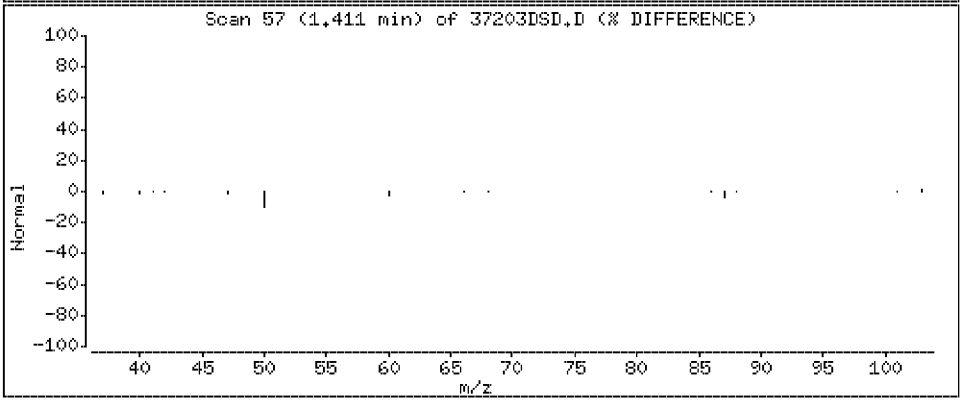
4 Dichlorodifluoromethane

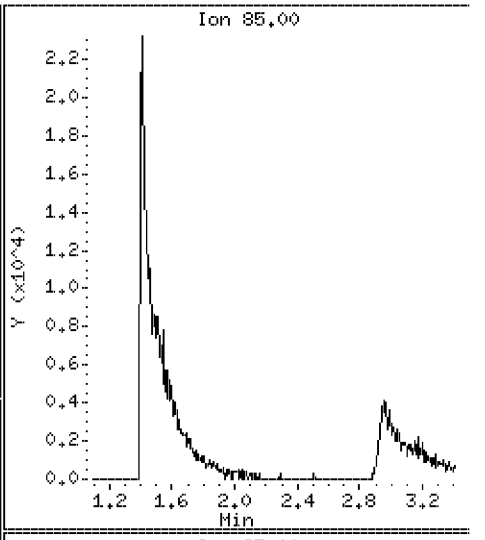
Concentration: 227 ug/l

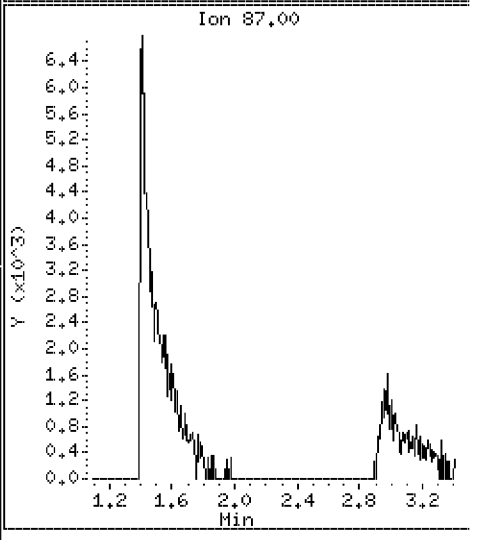












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Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

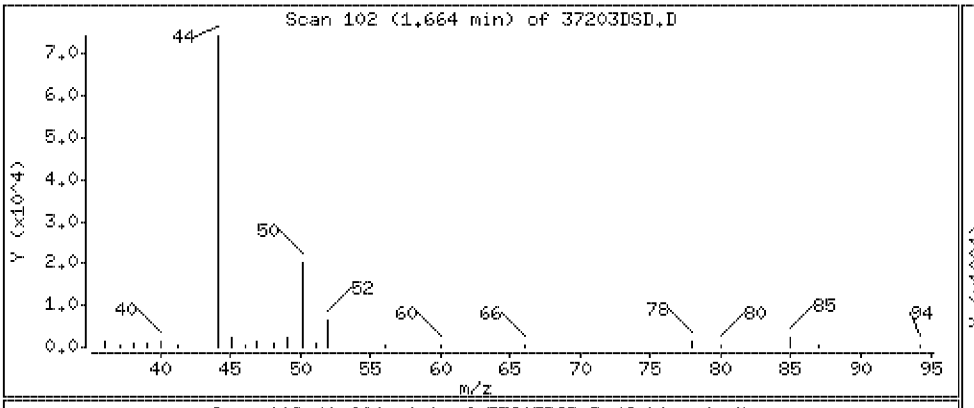
Operator:

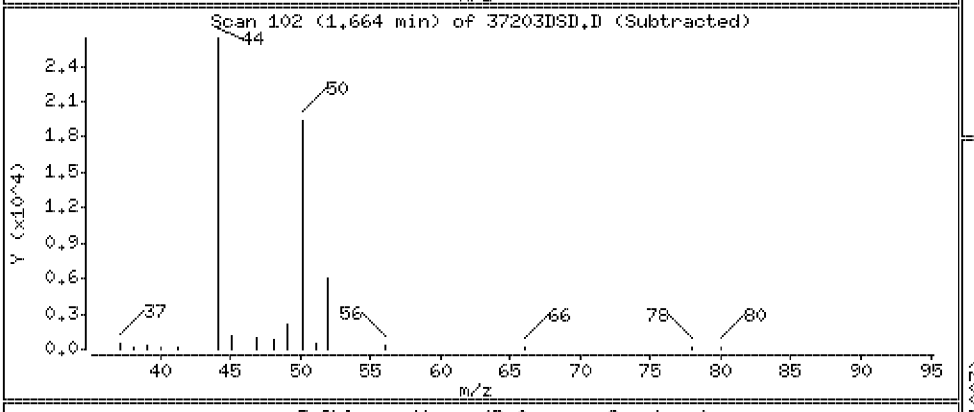
Column phase: DB-624

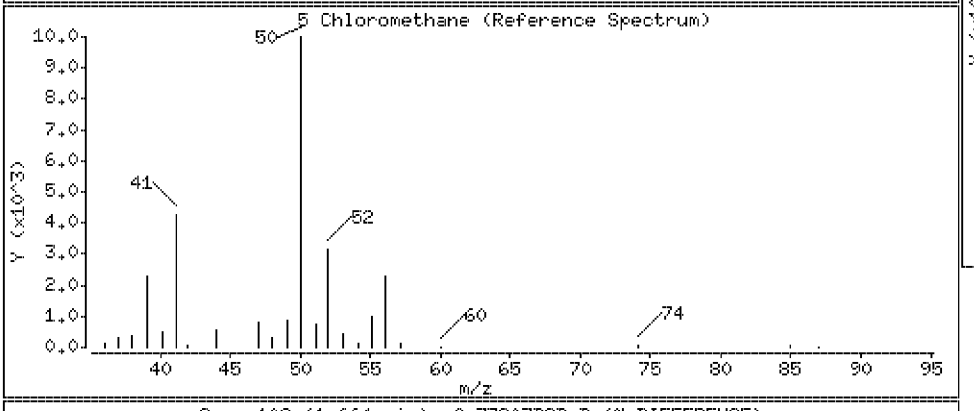
Column diameter: 0.18

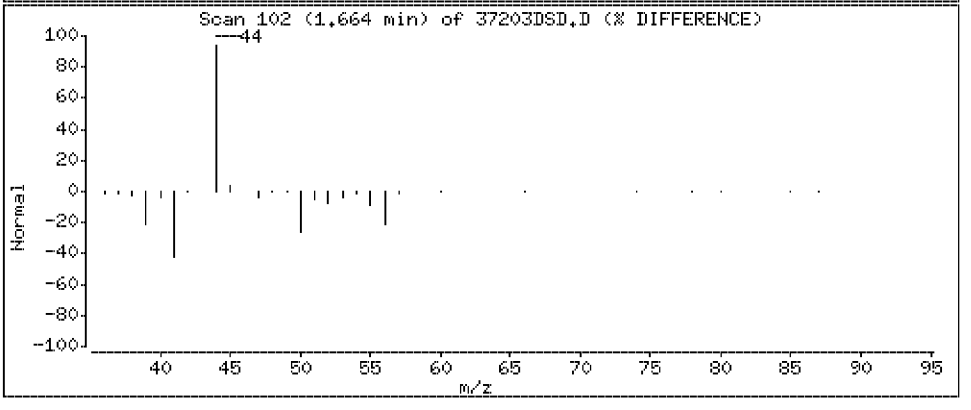
5 Chloromethane

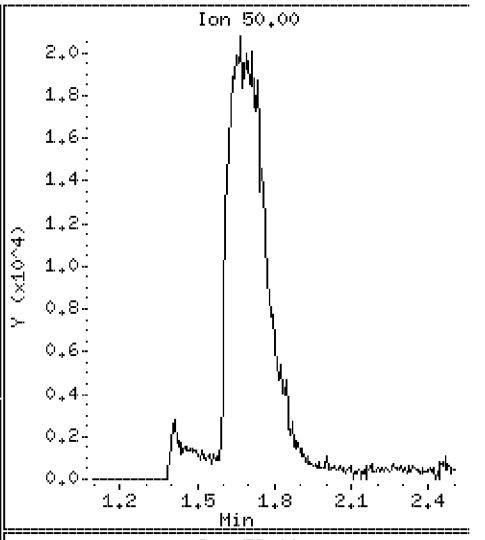
Concentration: 239 ug/l

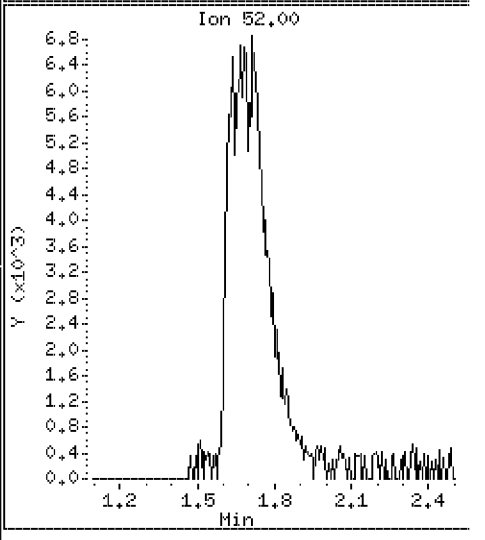












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

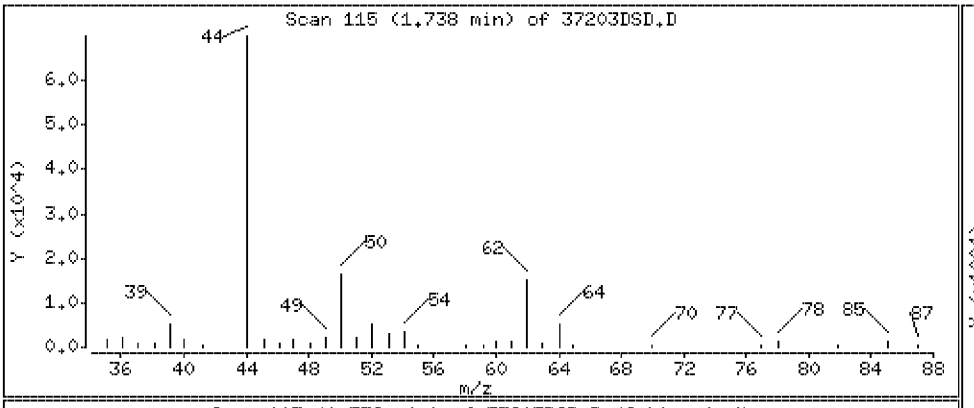
Operator:

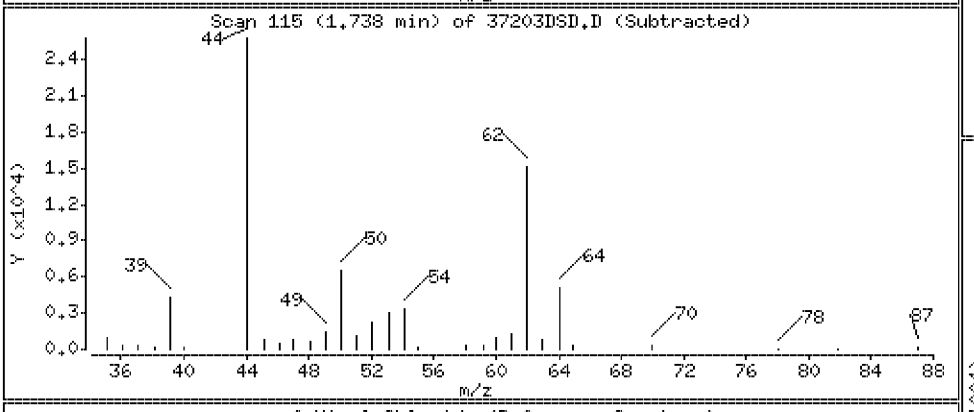
Column phase: DB-624

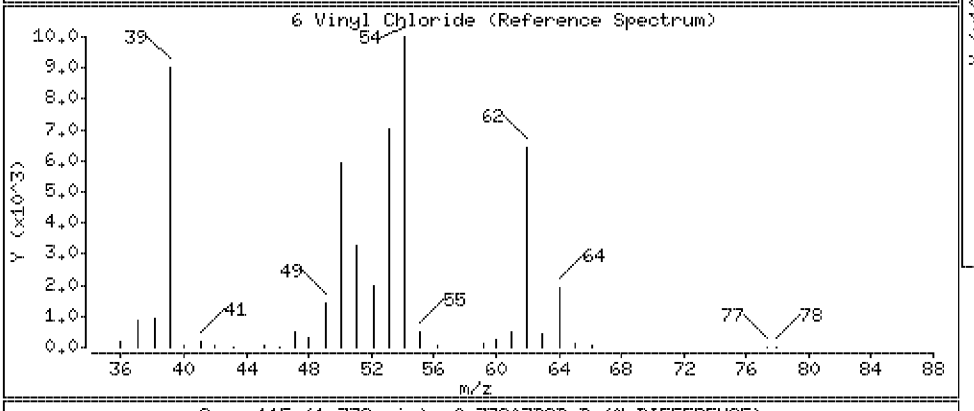
Column diameter: 0.18

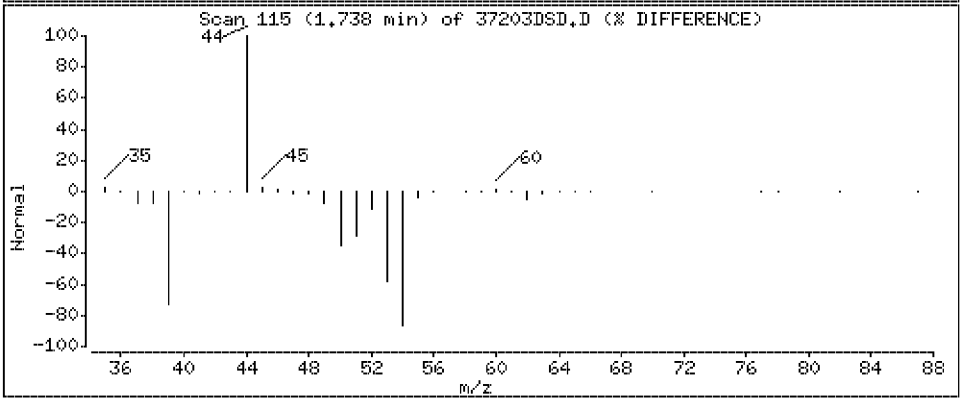
6 Vinyl Chloride

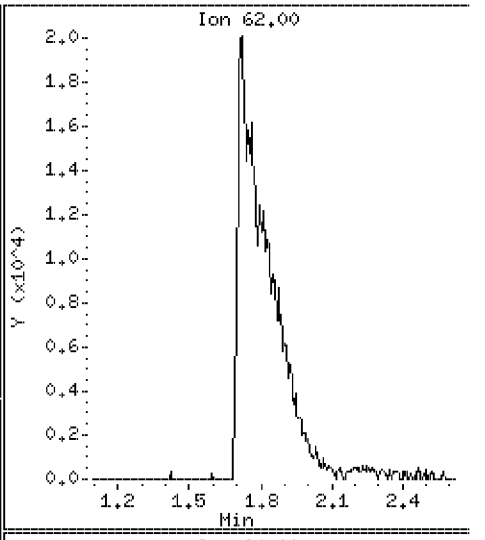
Concentration: 241 ug/l

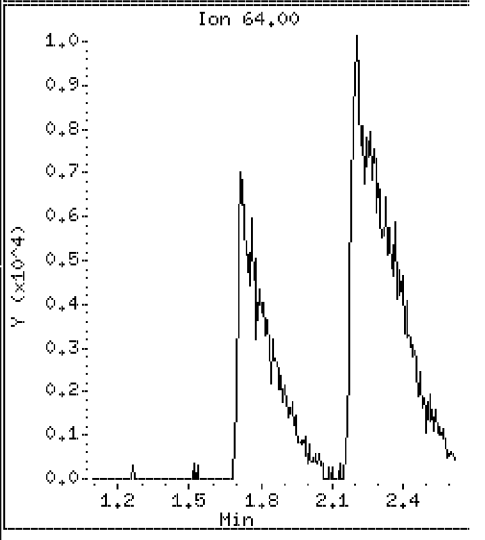












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Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

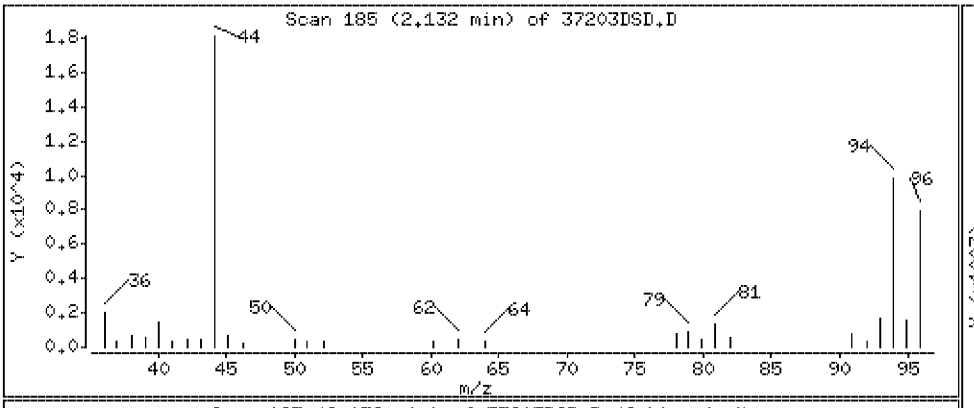
Operator:

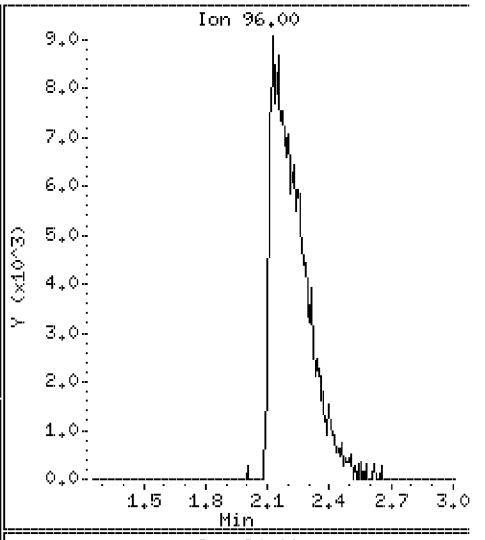
Column phase: DB-624

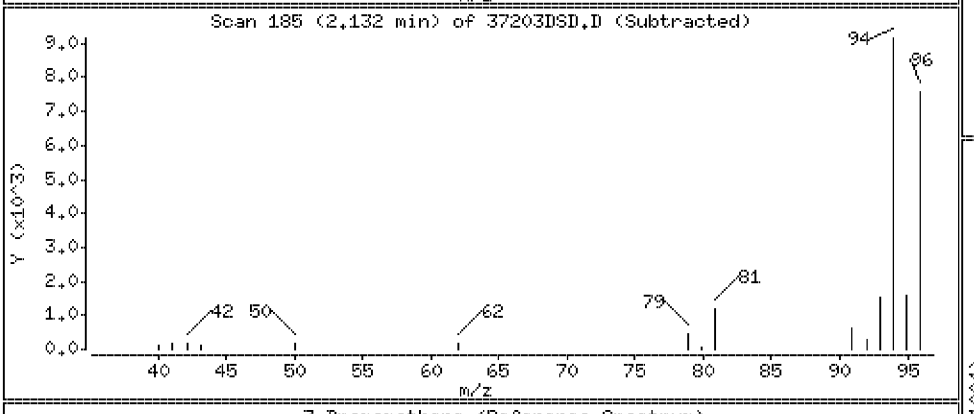
Column diameter: 0.18

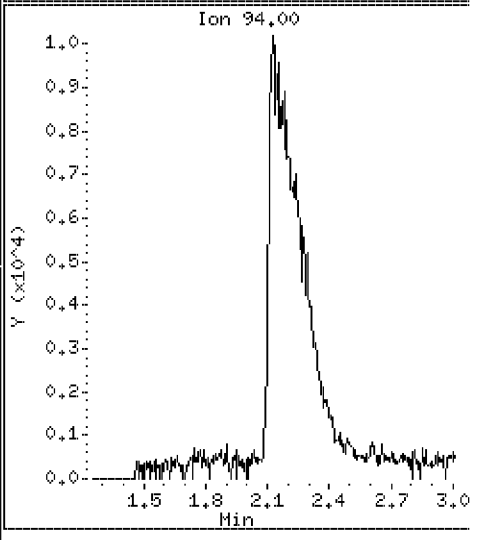
7 Bromomethane

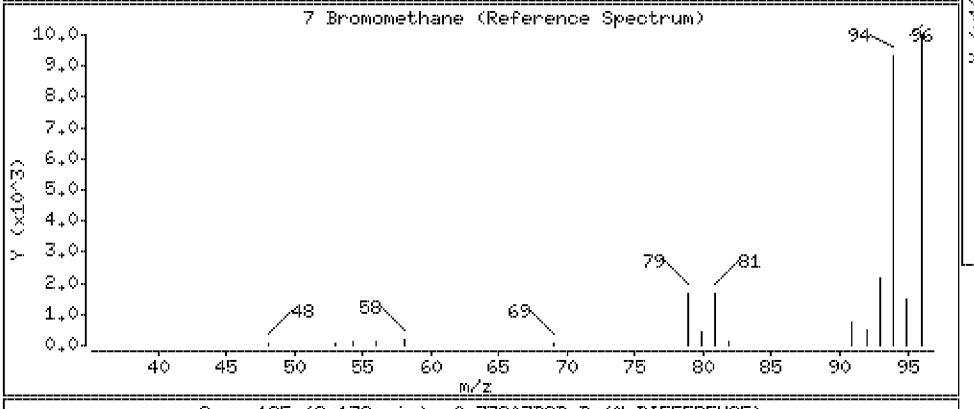
Concentration: 203 ug/l

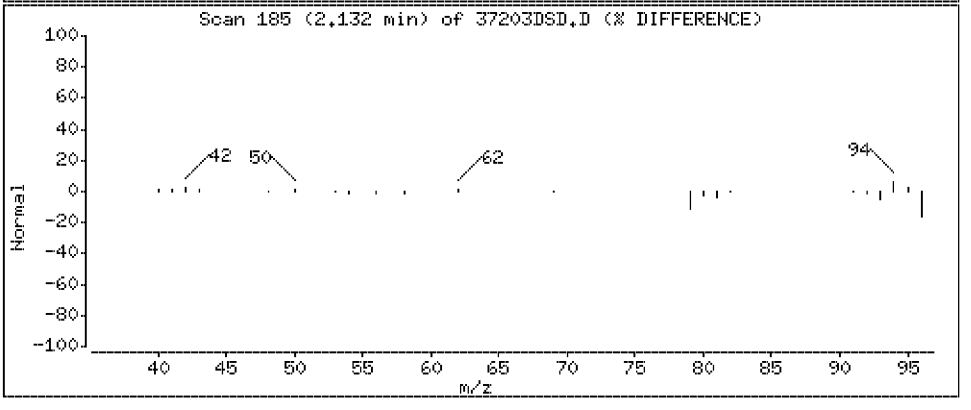












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Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

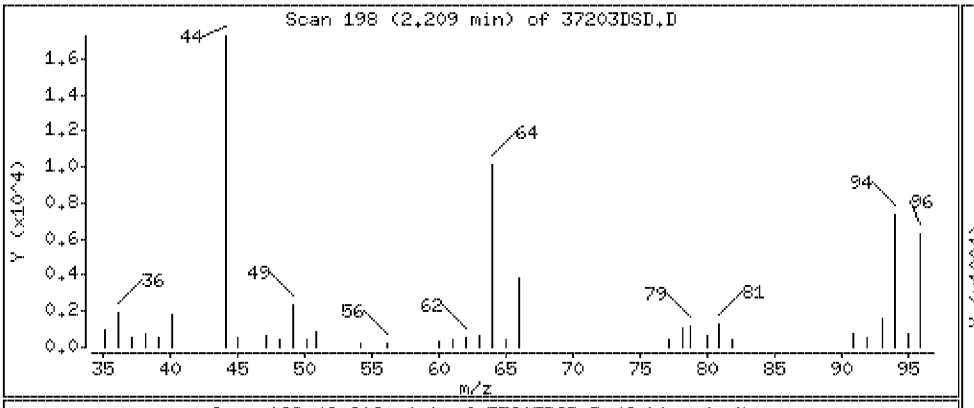
Operator:

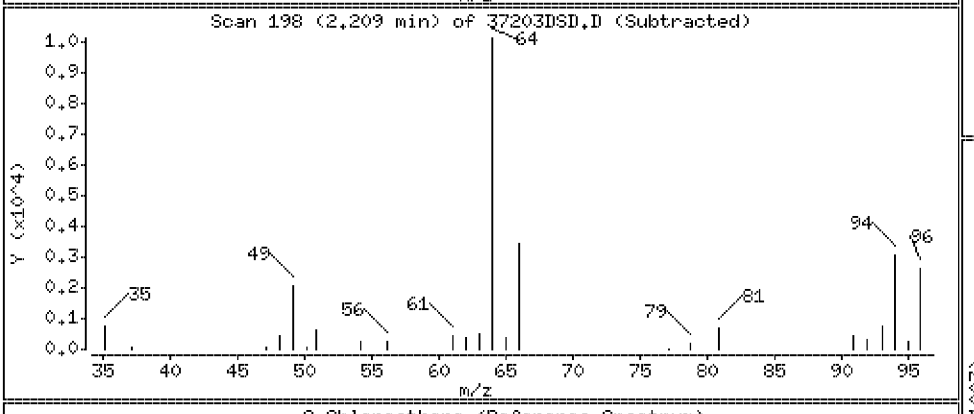
Column phase: DB-624

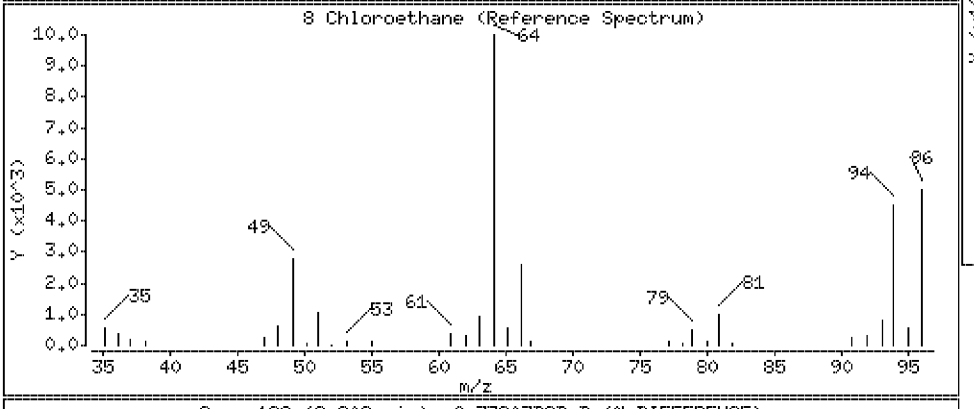
Column diameter: 0.18

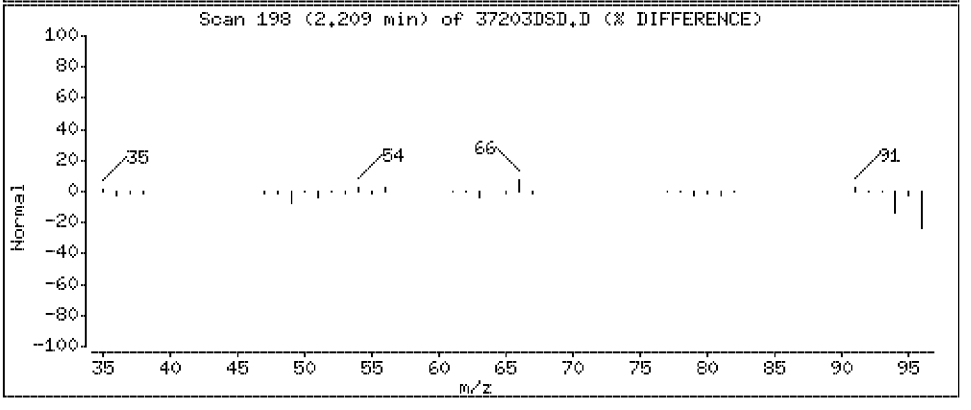
8 Chloroethane

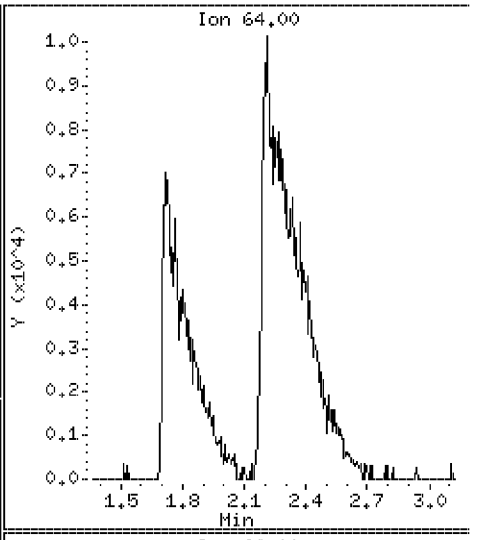
Concentration: 215 ug/l

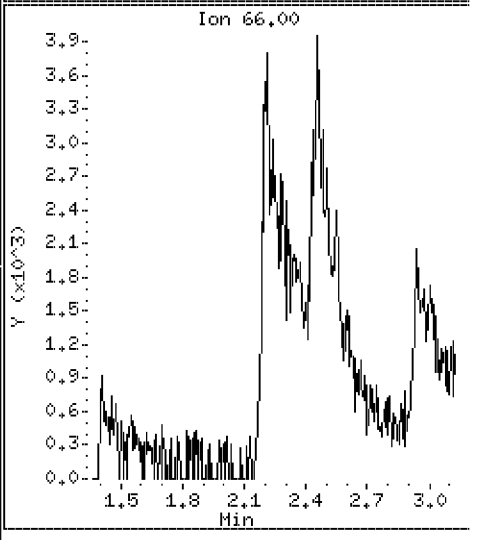












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Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

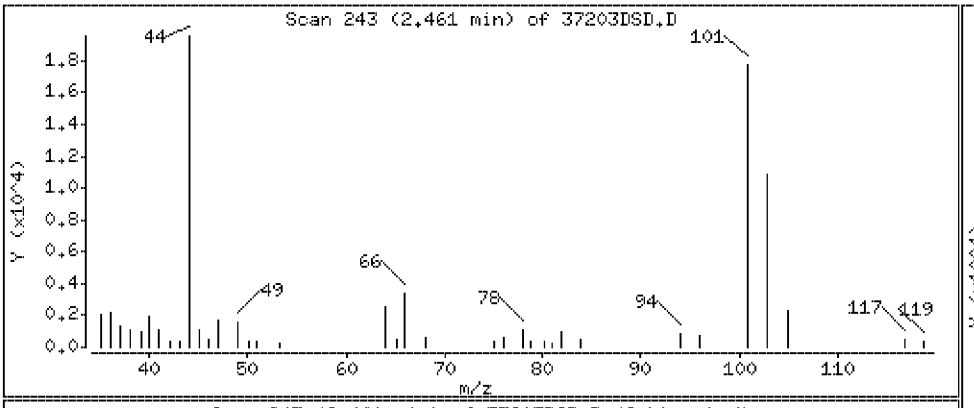
Operator:

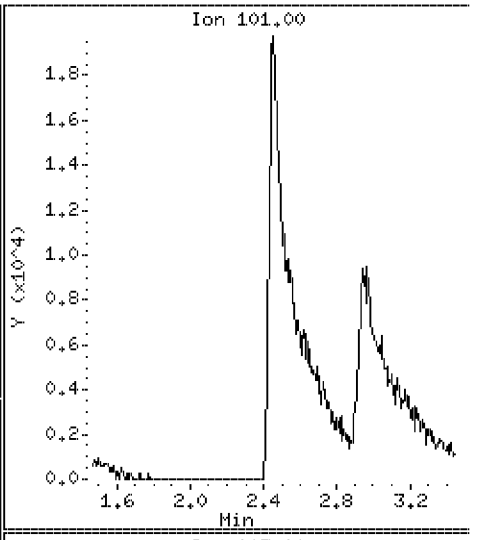
Column phase: DB-624

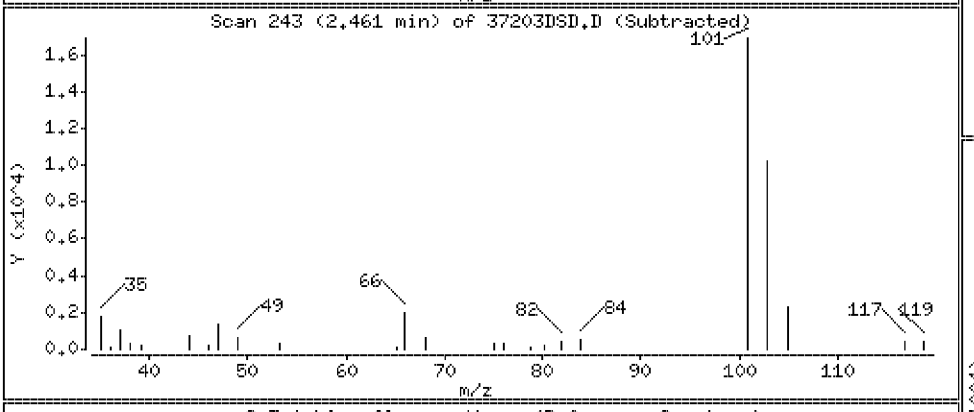
Column diameter: 0.18

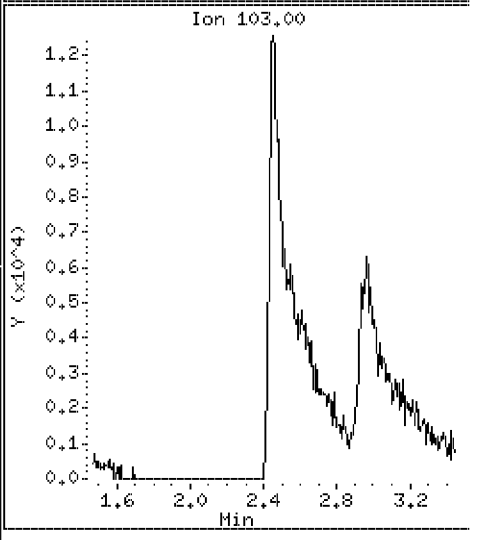
9 Trichlorofluoromethane

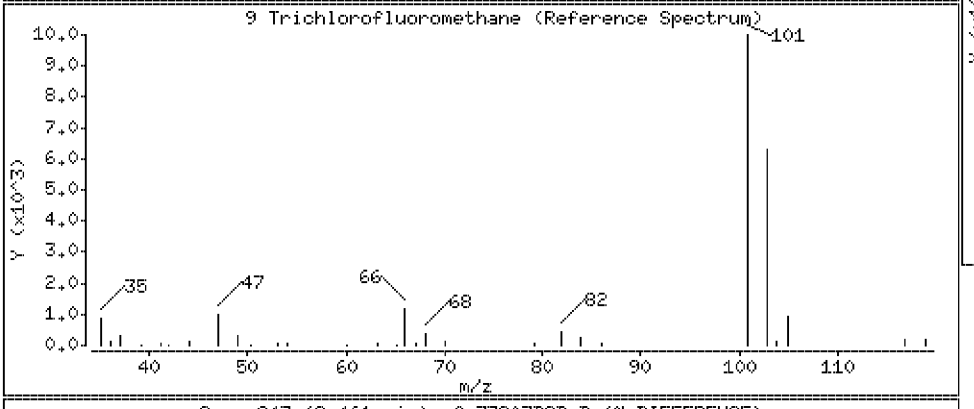
Concentration: 208 ug/l

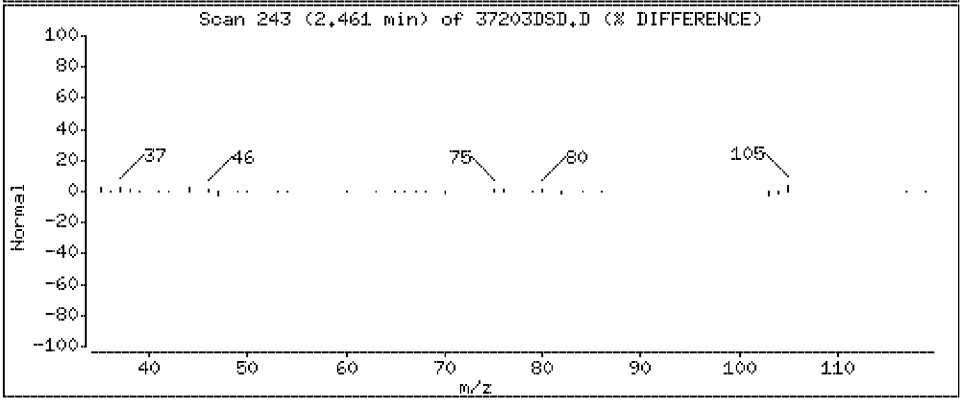












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Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

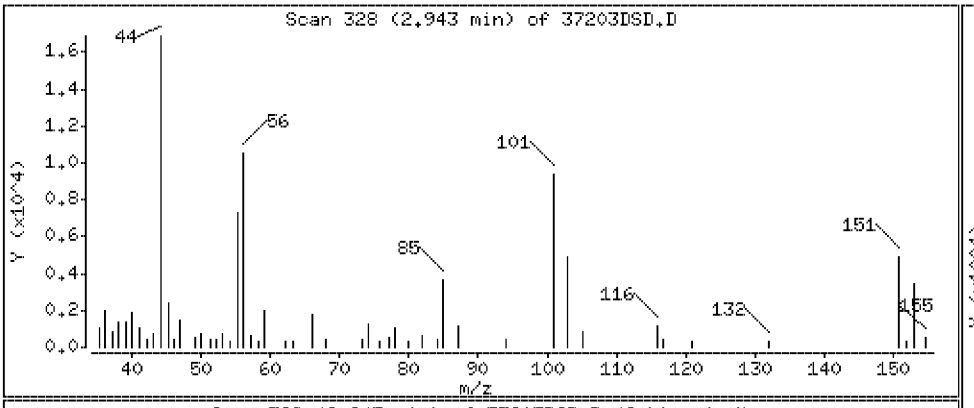
Operator:

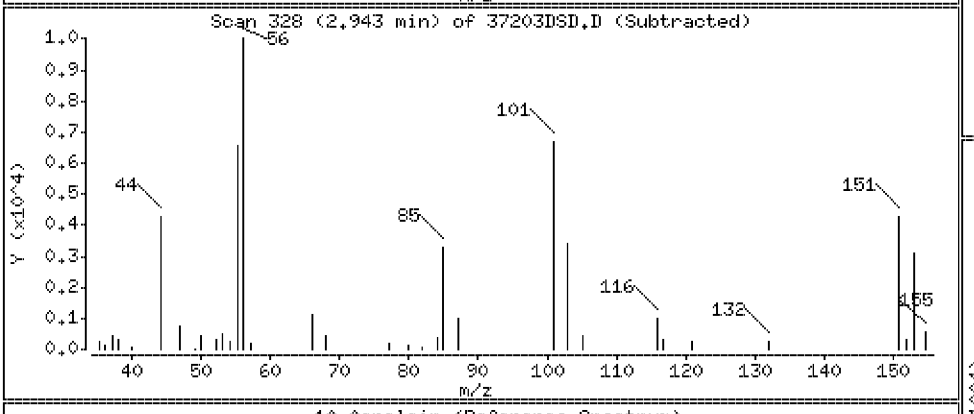
Column phase: DB-624

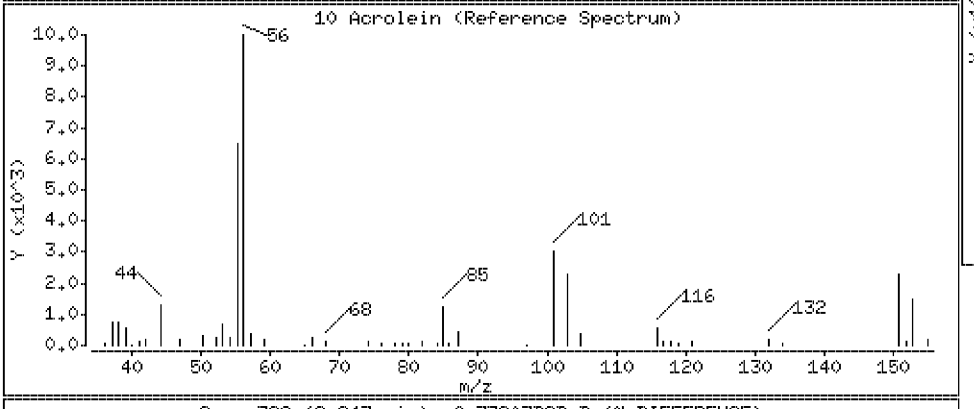
Column diameter: 0.18

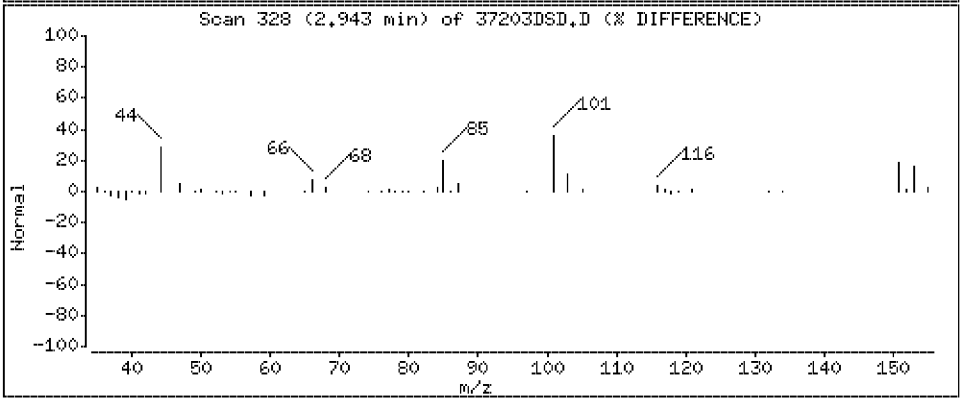
10 Acrolein

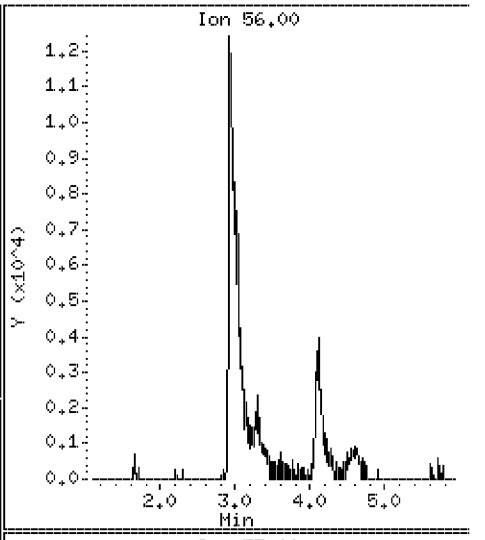
Concentration: 708 ug/l

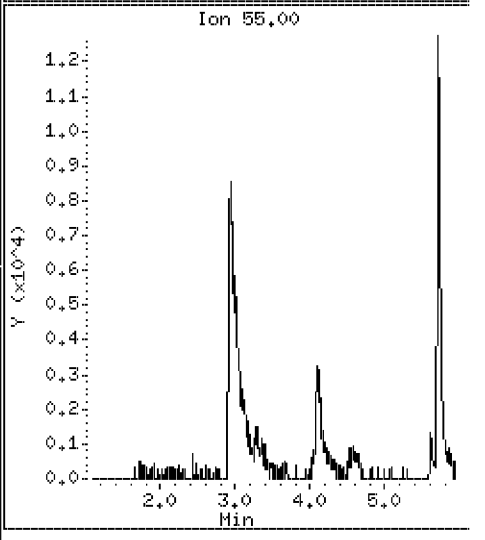












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

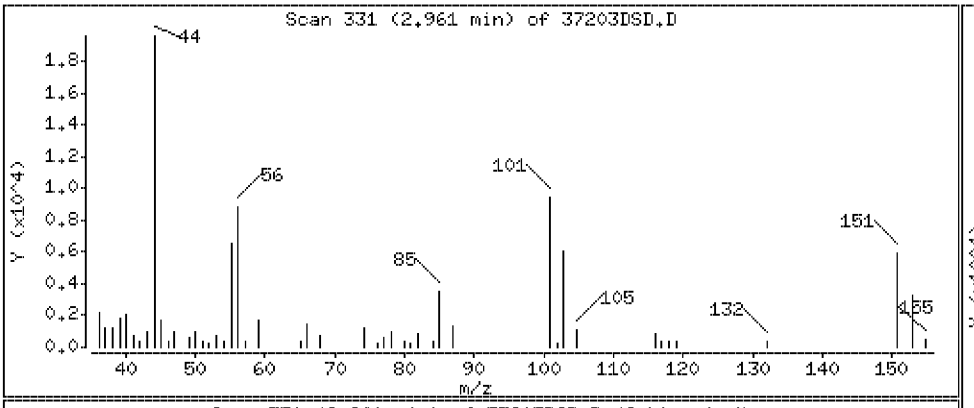
Operator:

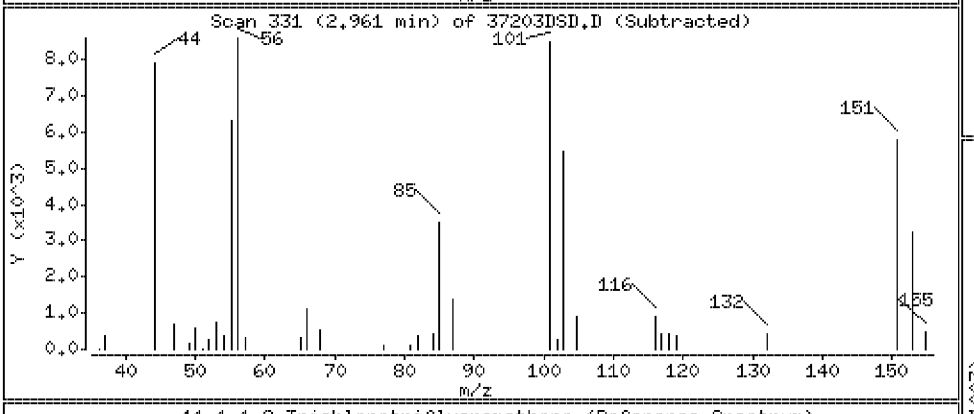
Column phase: DB-624

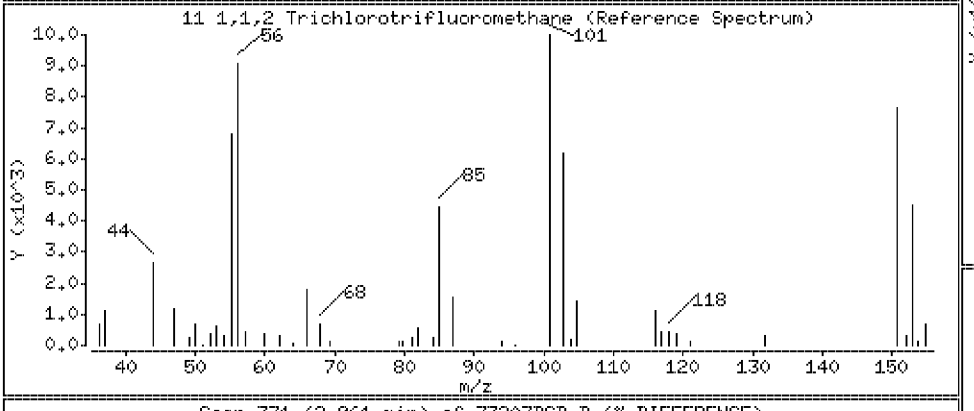
Column diameter: 0.18

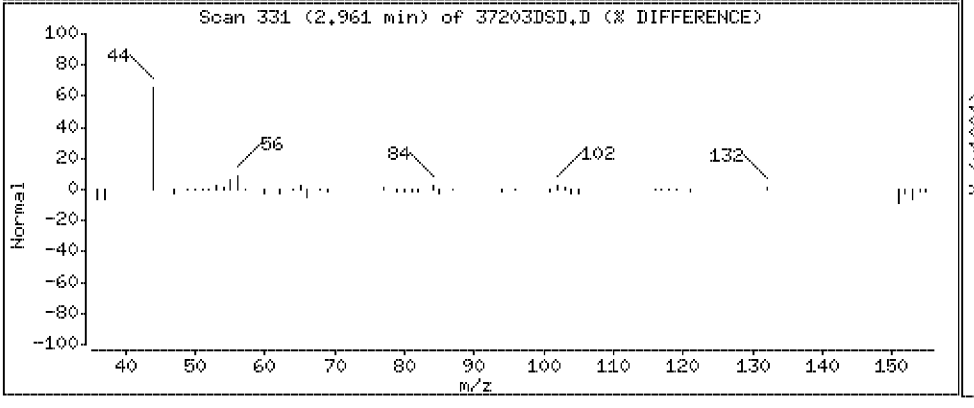
11 1,1,2 Trichlorotrifluoromethane

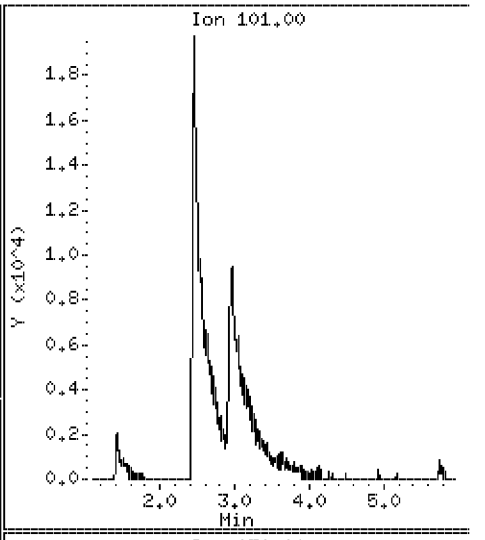
Concentration: 187 ug/l

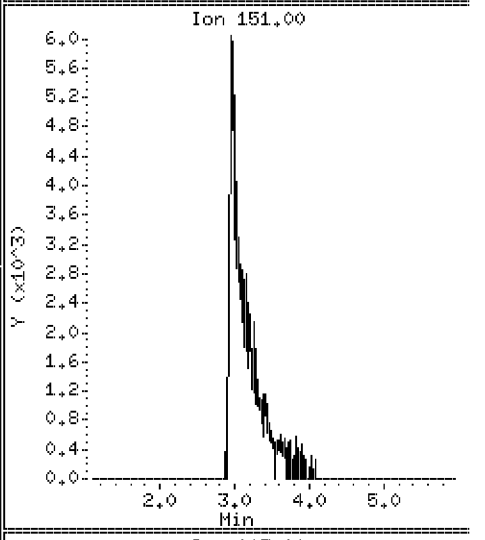


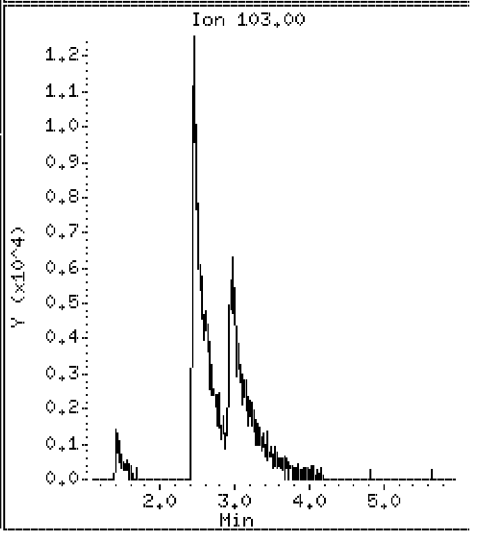












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

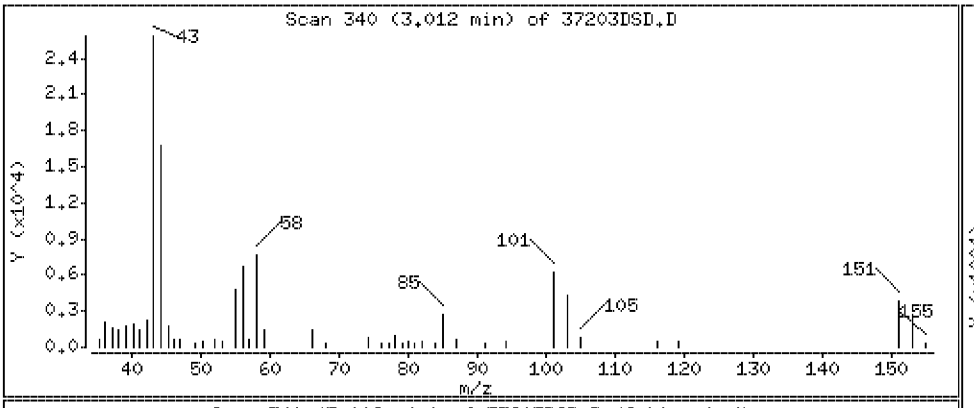
Operator:

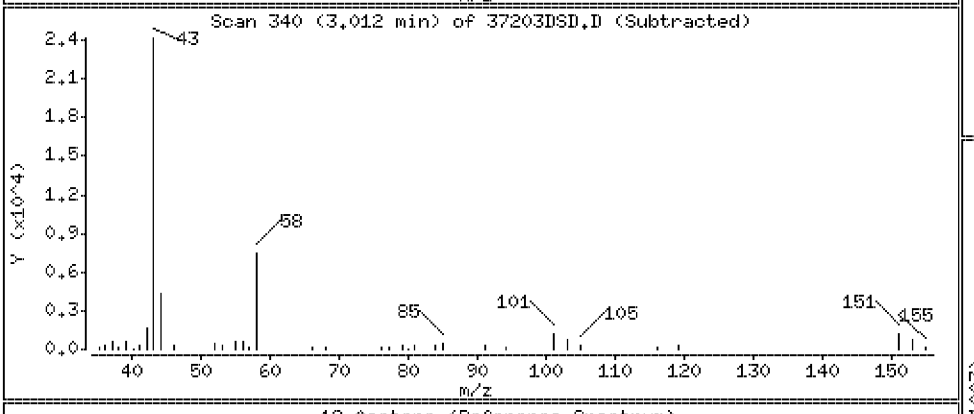
Column phase: DB-624

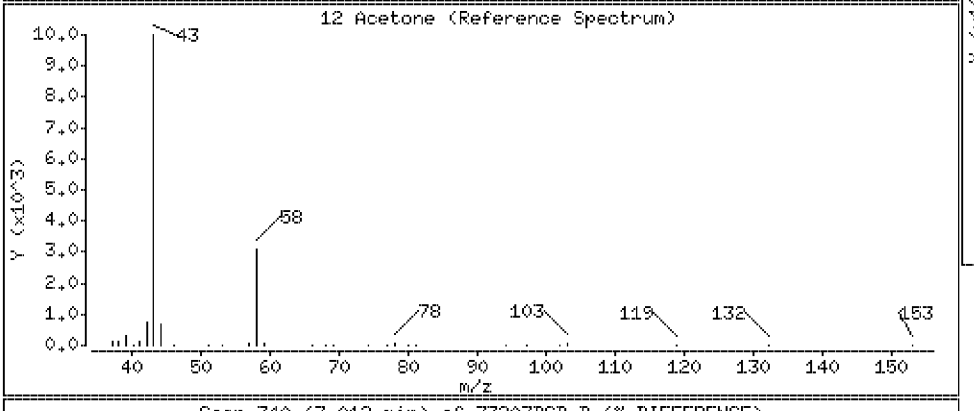
Column diameter: 0.18

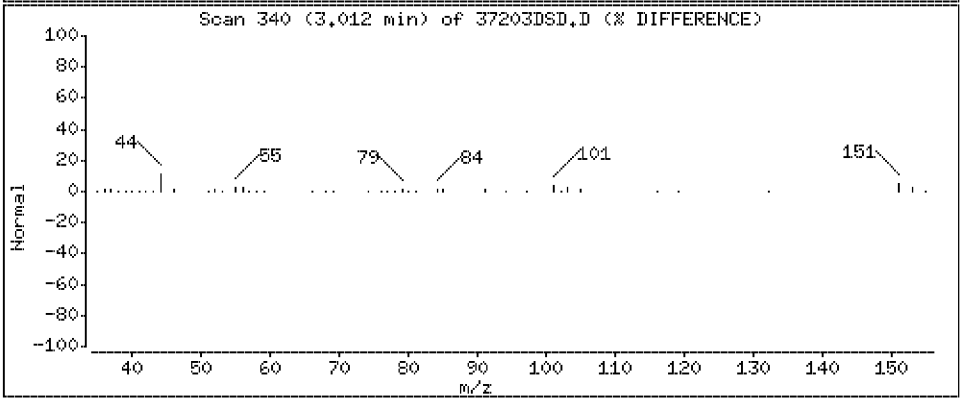
12 Acetone

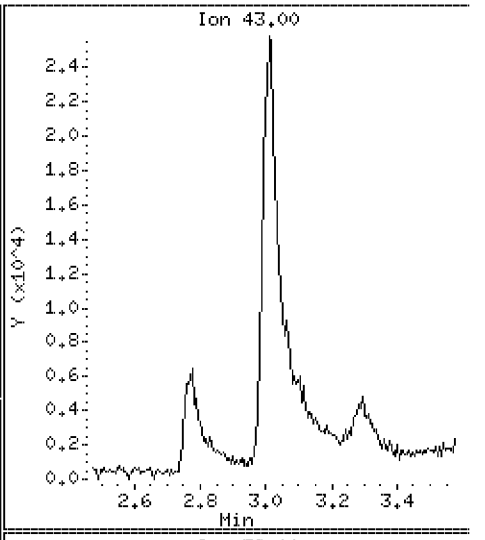
Concentration: 488 ug/l

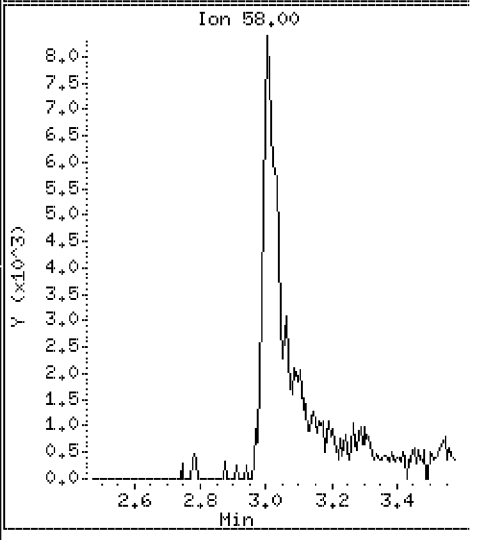












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

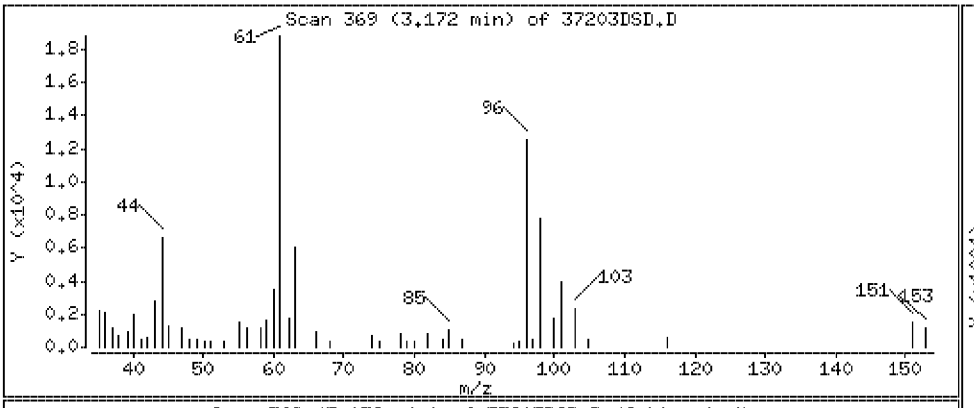
Operator:

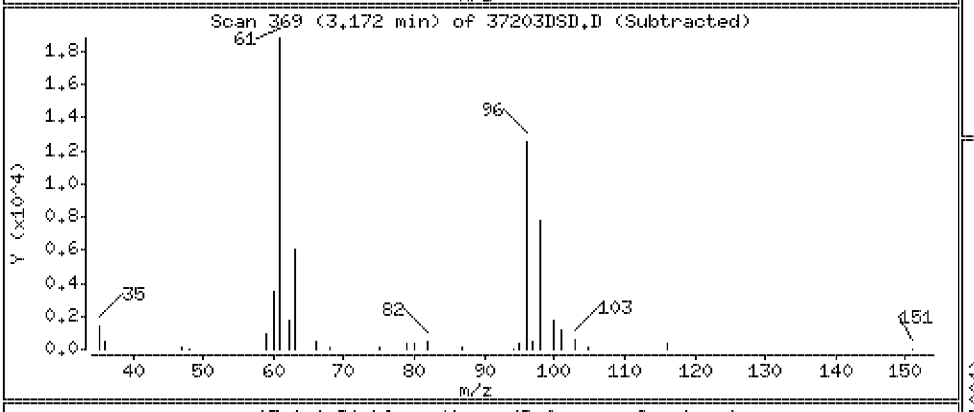
Column phase: DB-624

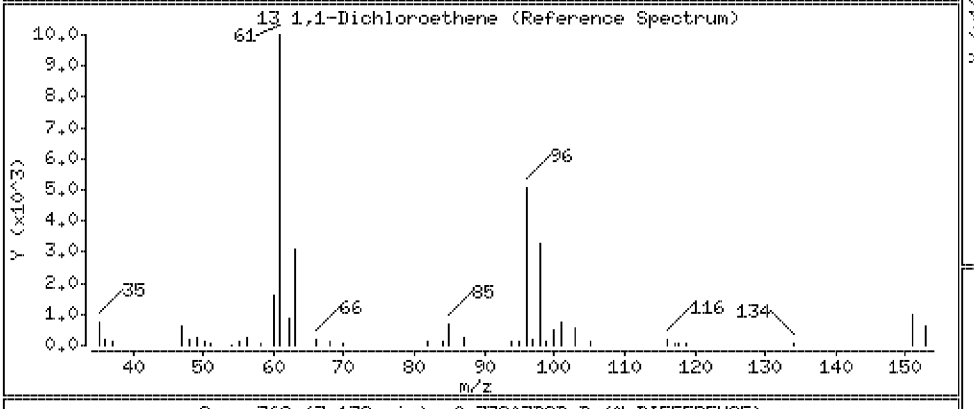
Column diameter: 0.18

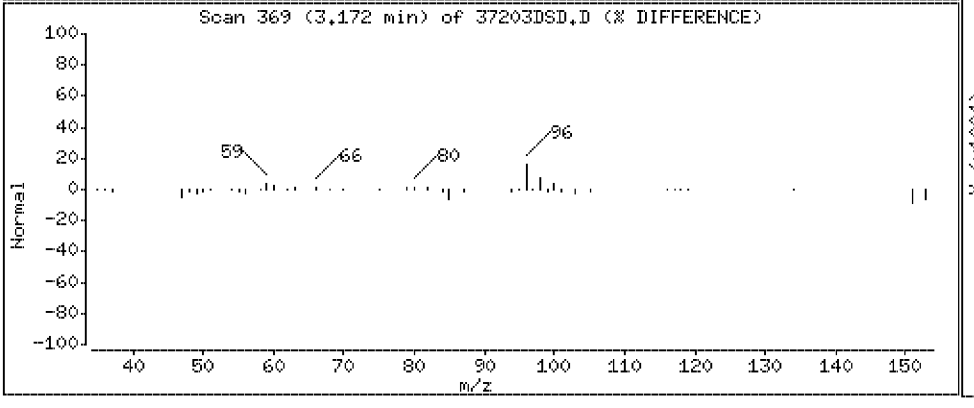
13 1,1-Dichloroethene

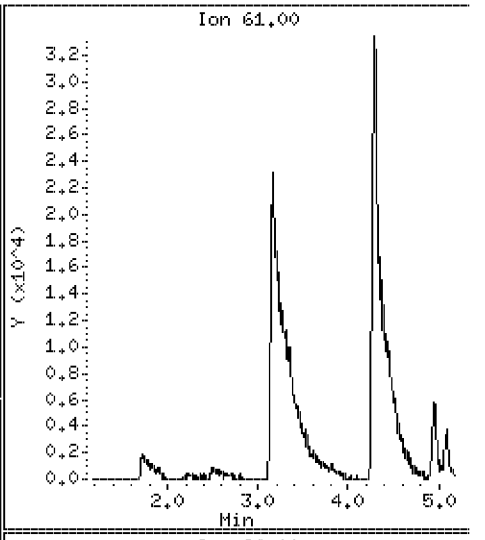
Concentration: 188 ug/l

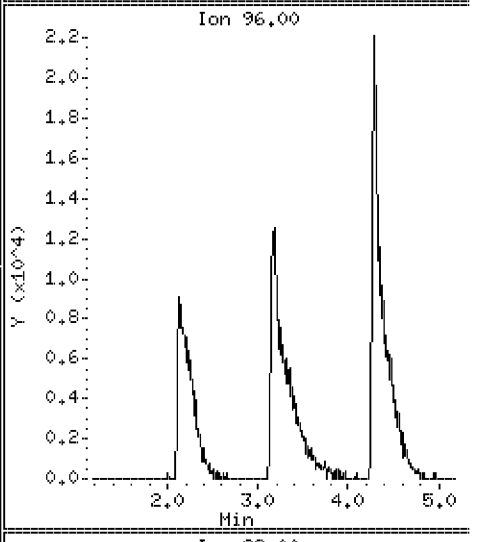


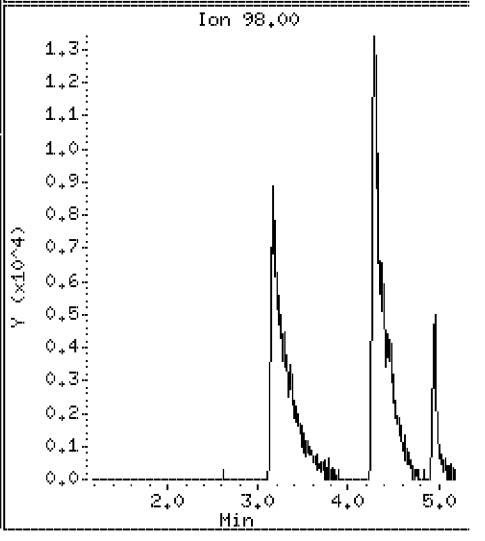












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Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

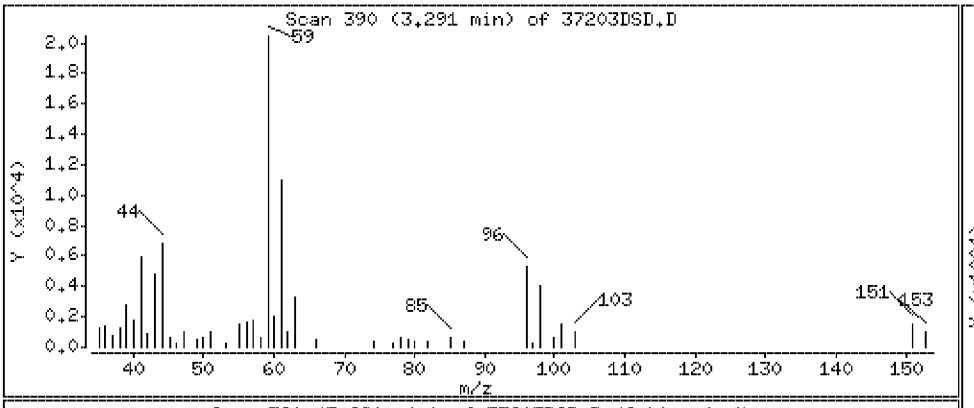
Operator:

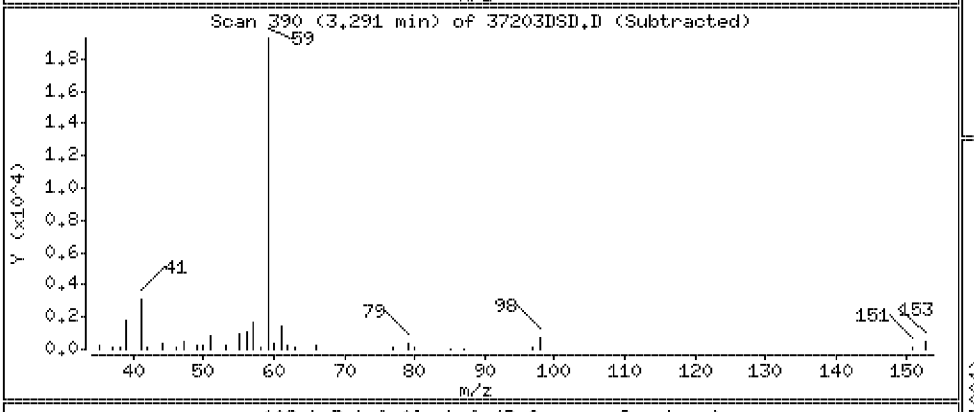
Column phase: DB-624

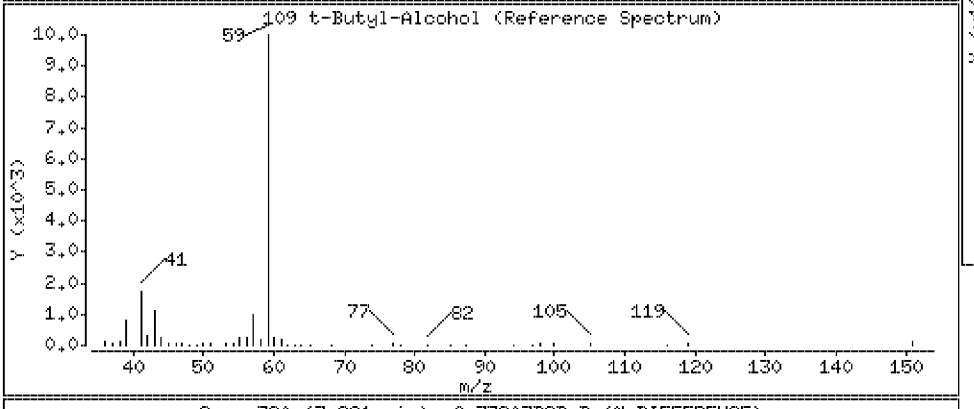
Column diameter: 0.18

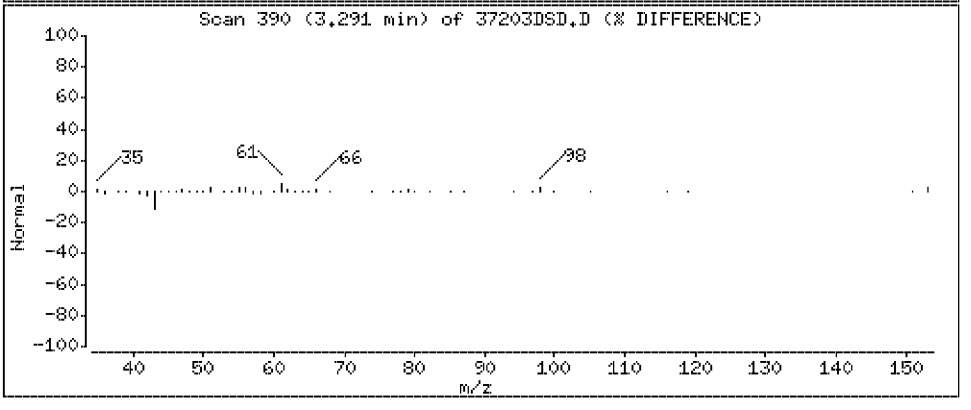
109 t-Butyl-Alcohol

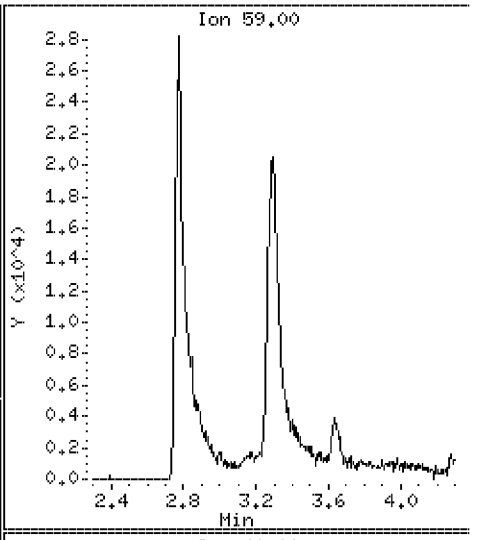
Concentration: 1600 ug/l

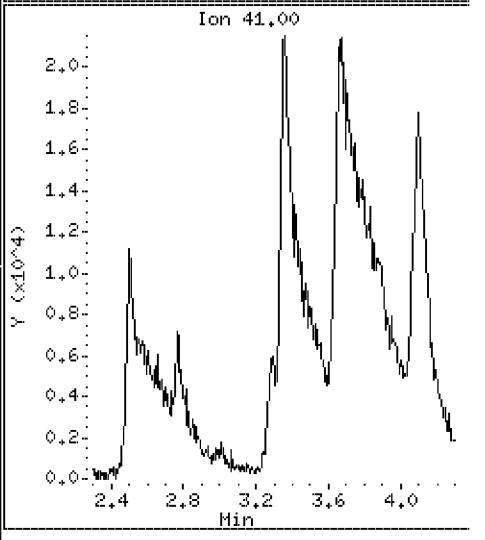












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Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

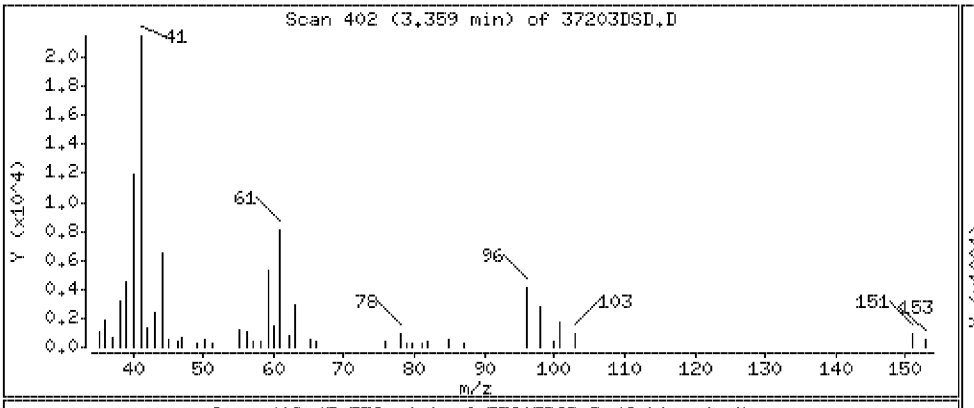
Operator:

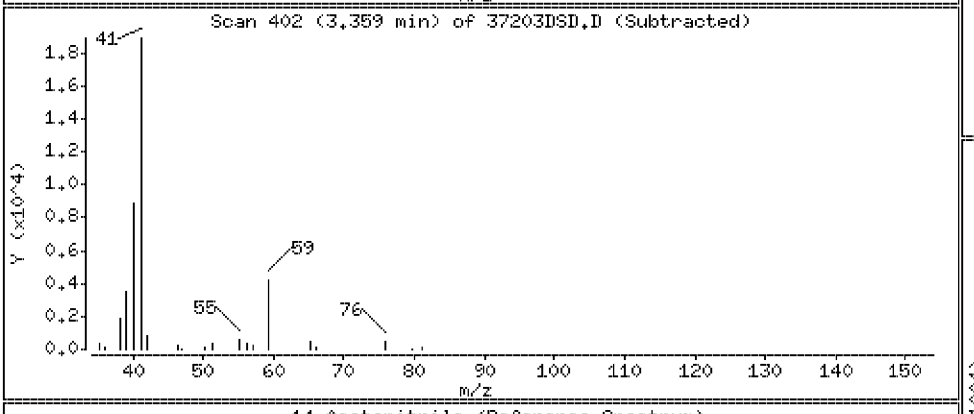
Column phase: DB-624

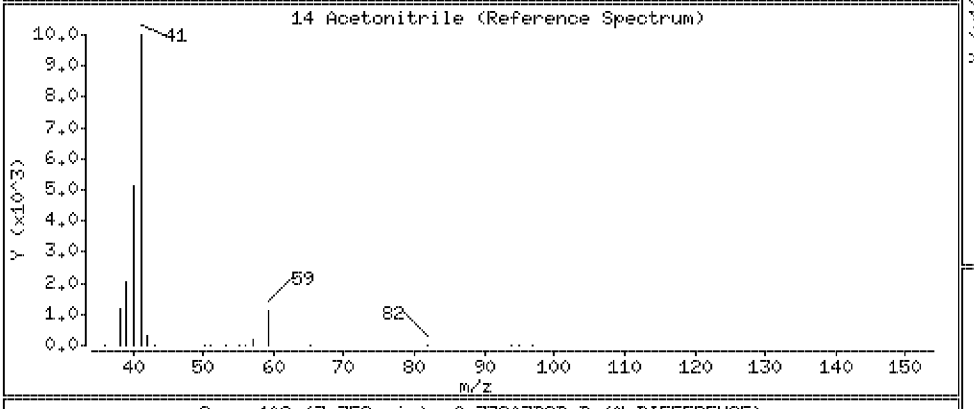
Column diameter: 0.18

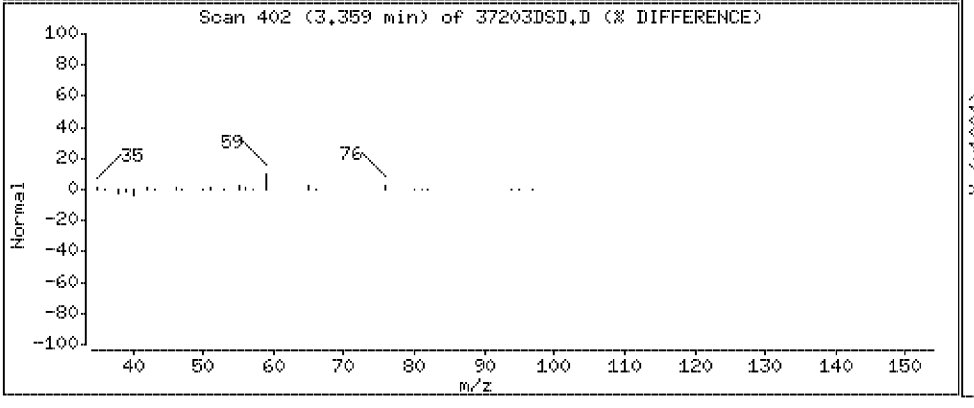
14 Acetonitrile

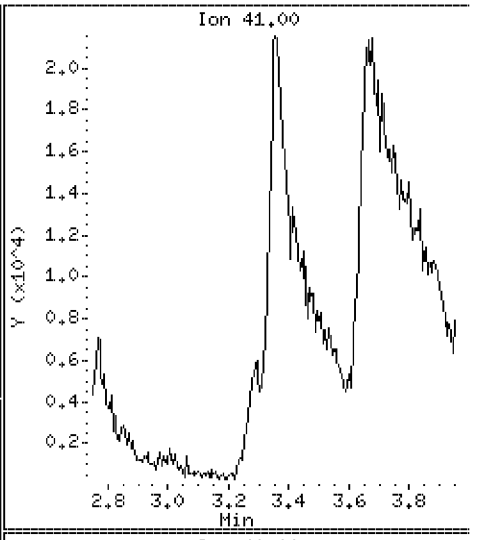
Concentration: 1530 ug/l

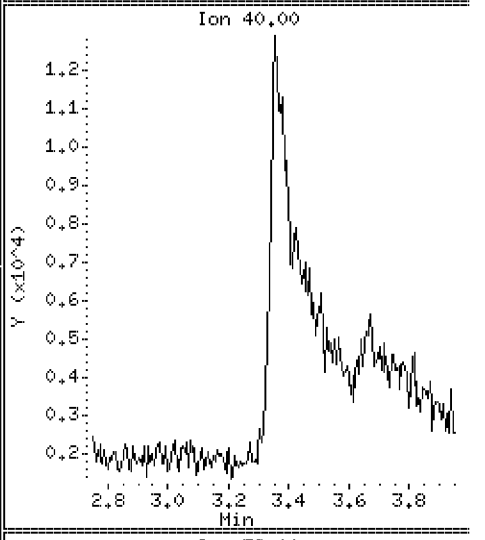


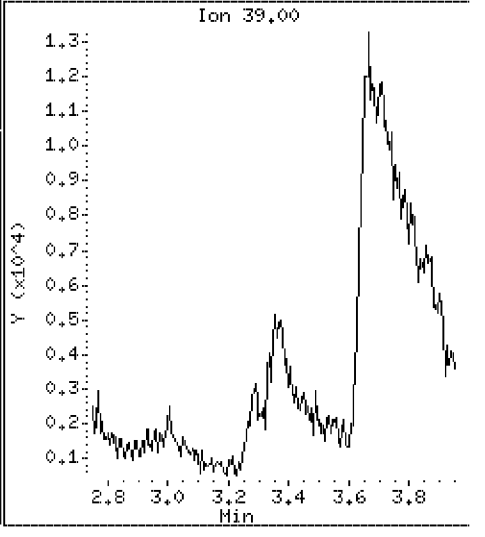












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

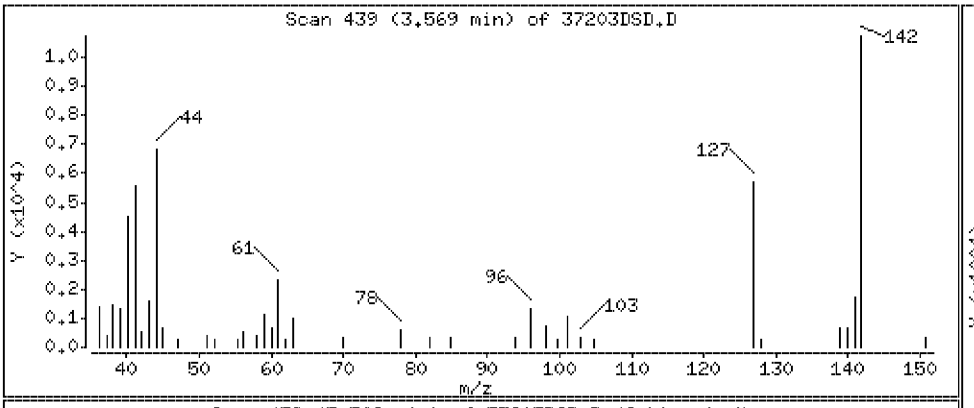
Operator:

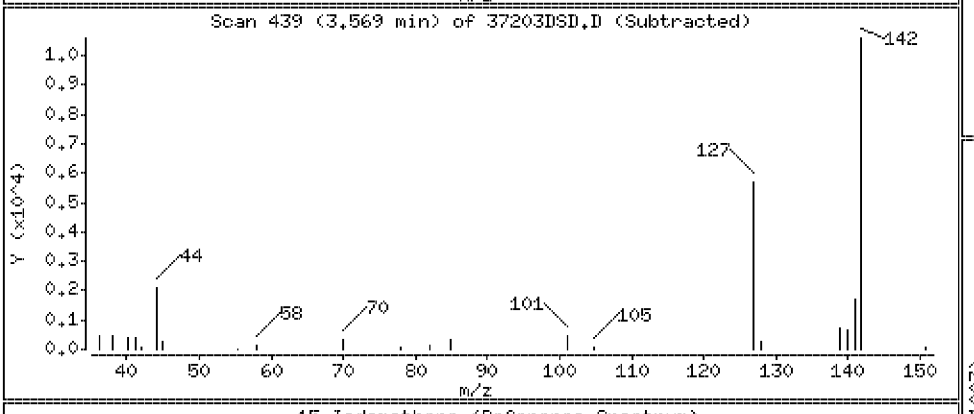
Column phase: DB-624

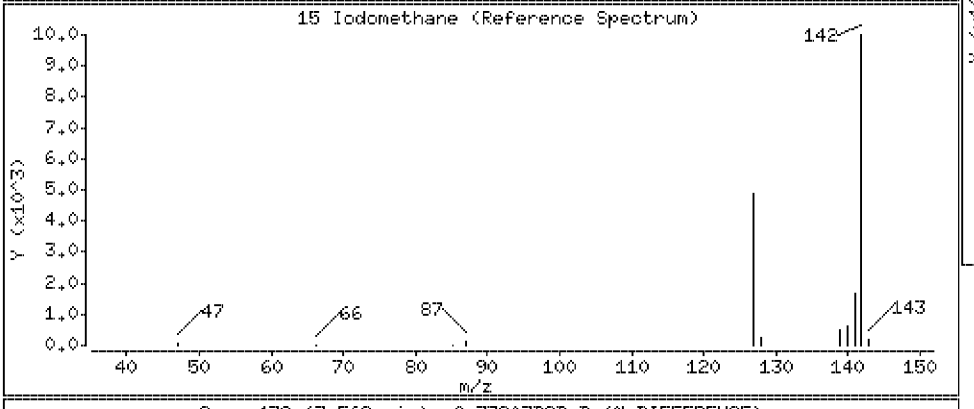
Column diameter: 0.18

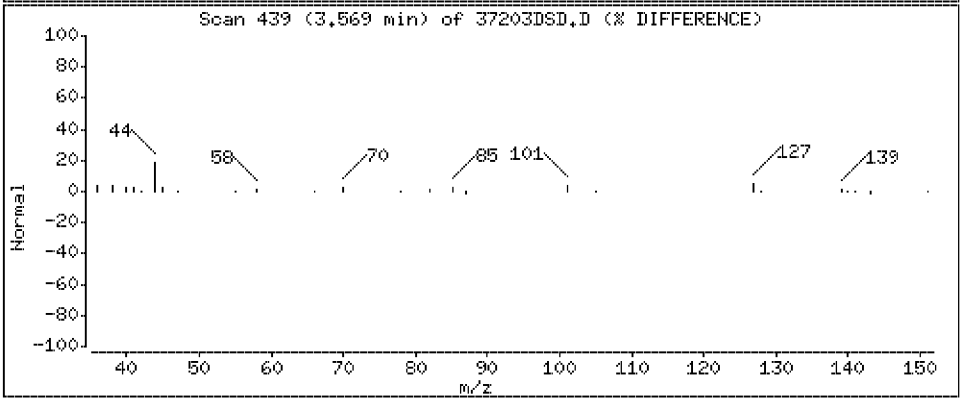
15 Iodomethane

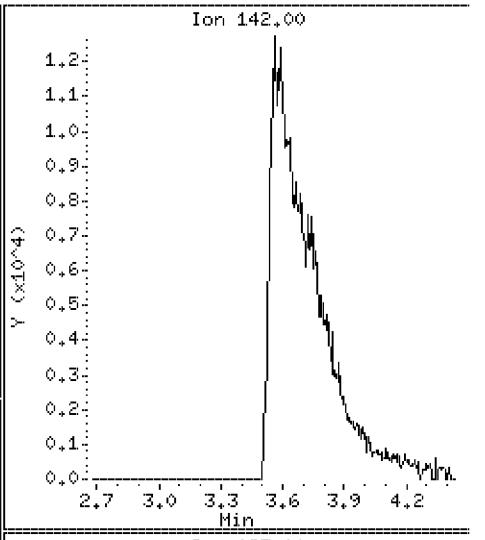
Concentration: 201 ug/l

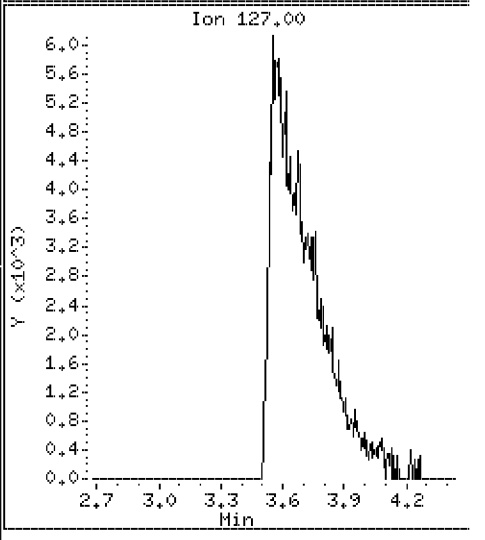












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Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

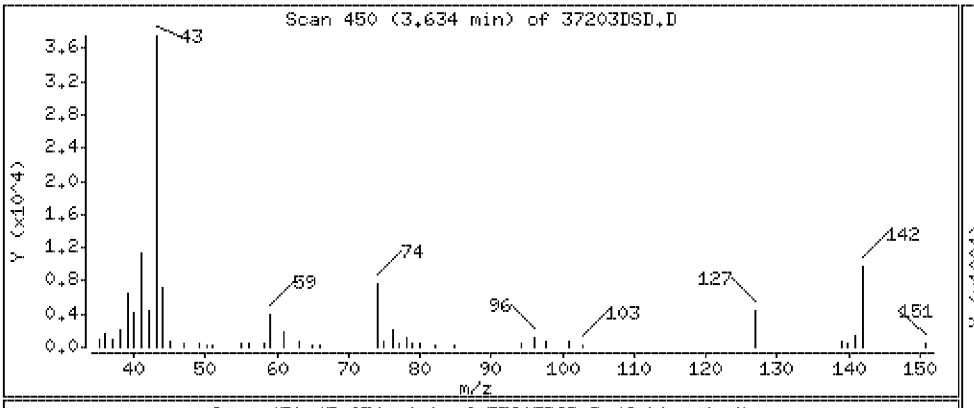
Operator:

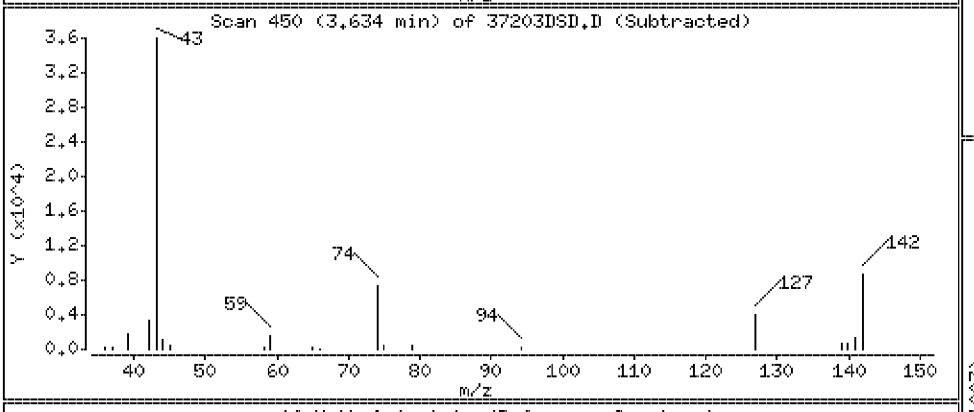
Column phase: DB-624

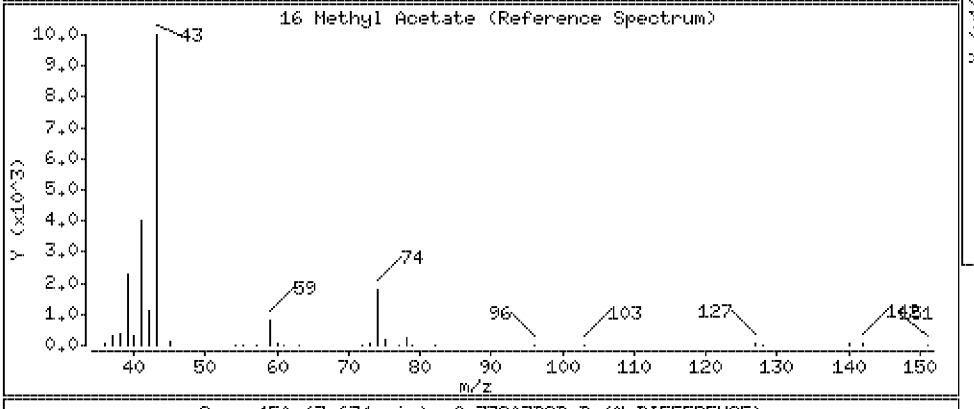
Column diameter: 0.18

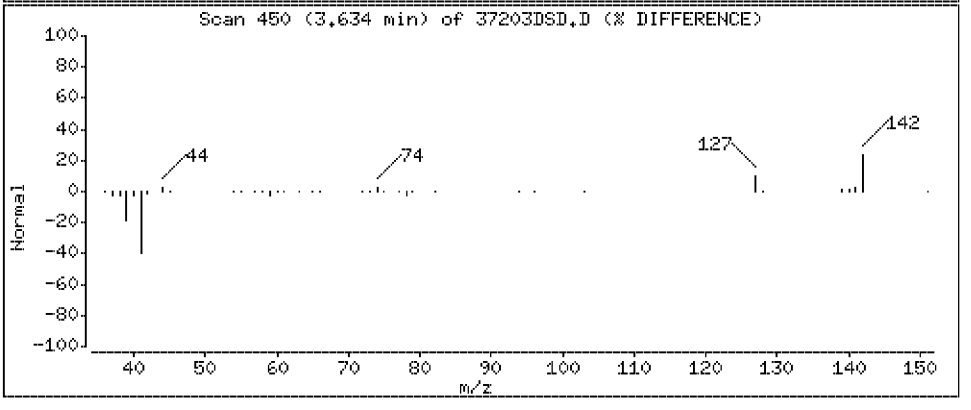
16 Methyl Acetate

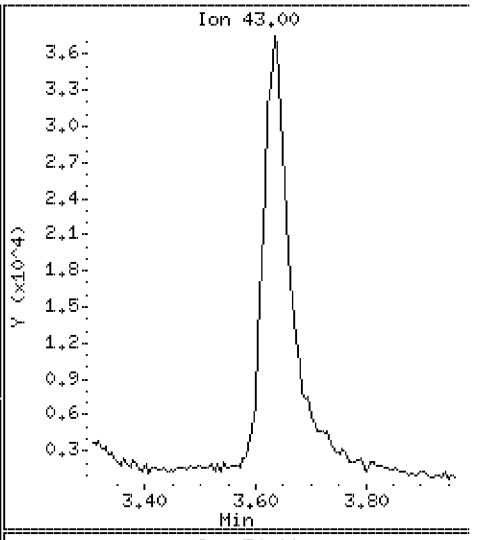
Concentration: 184 ug/l

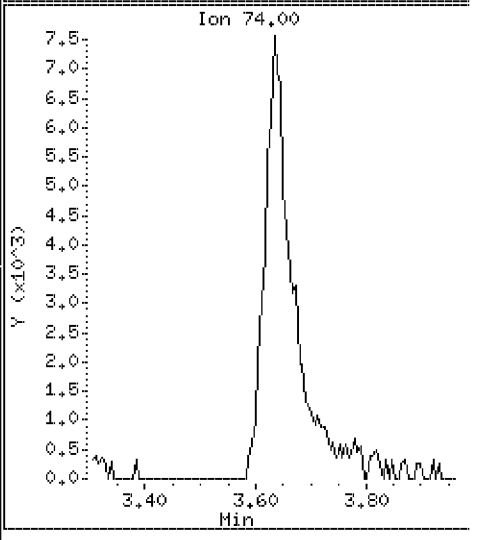












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Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

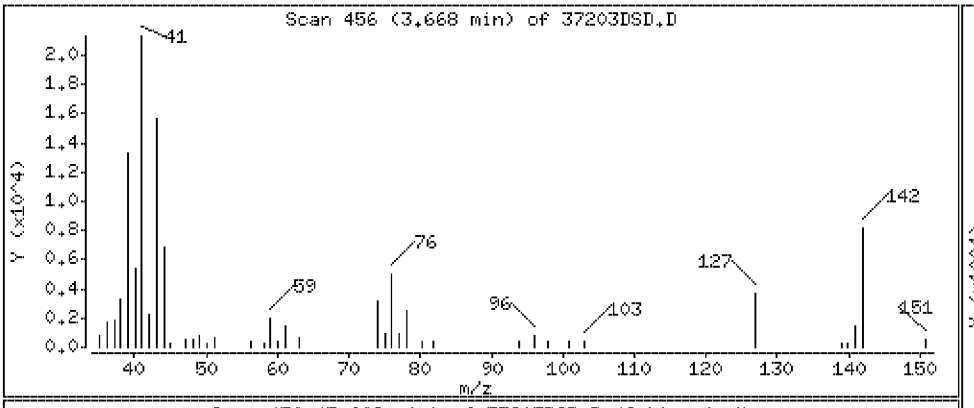
Operator:

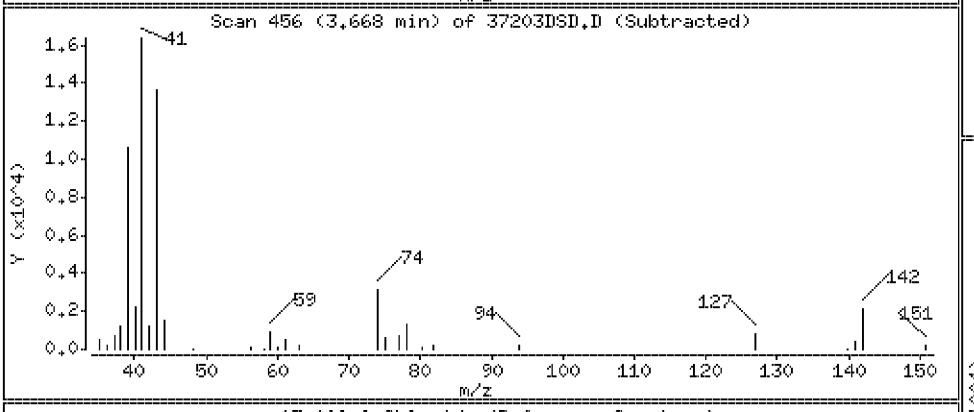
Column phase: DB-624

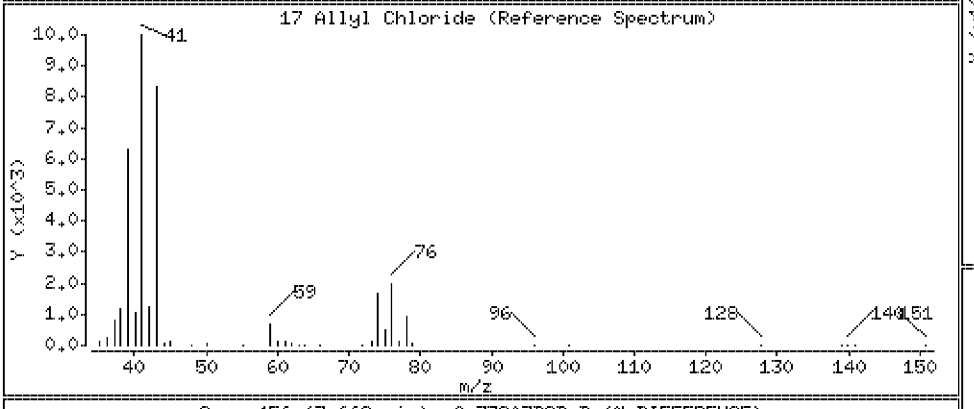
Column diameter: 0.18

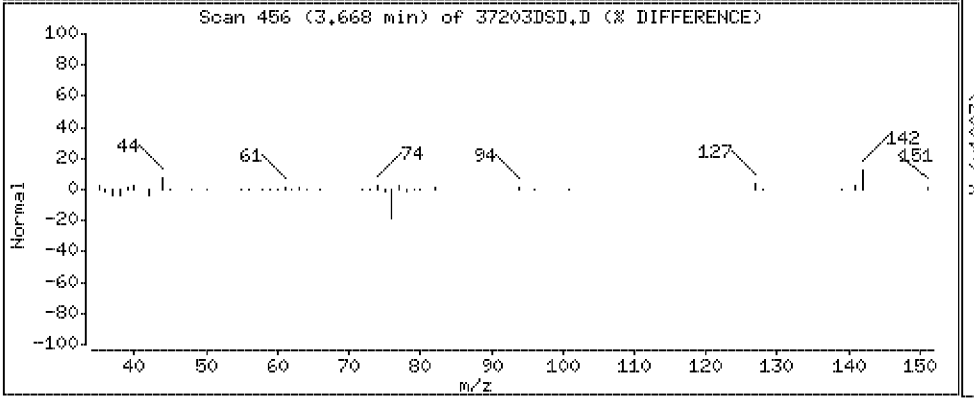
17 Allyl Chloride

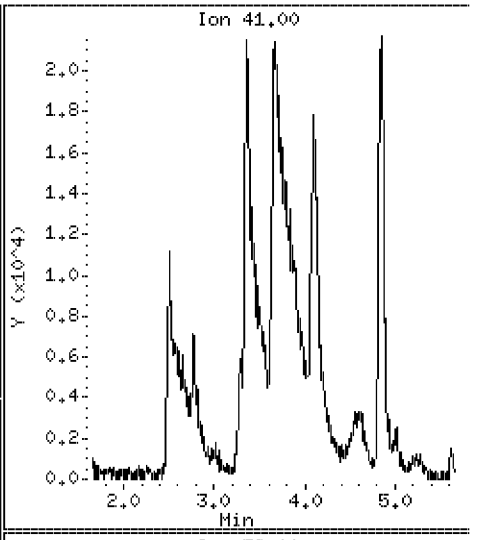
Concentration: 216 ug/l

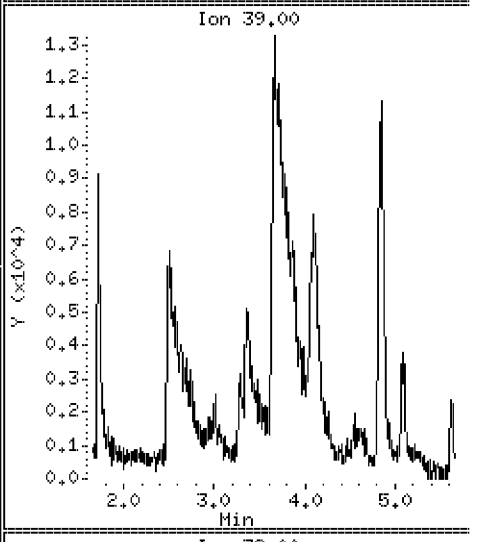


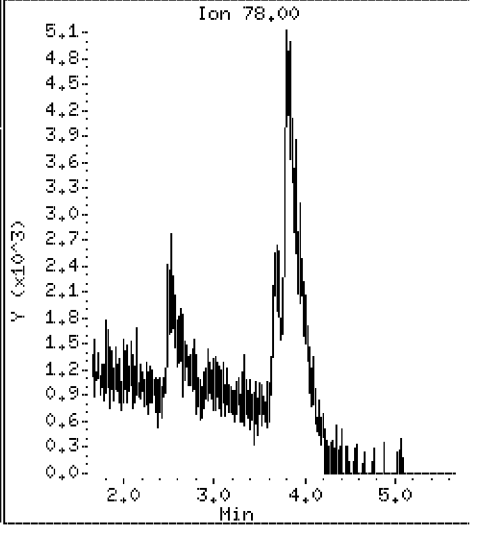












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

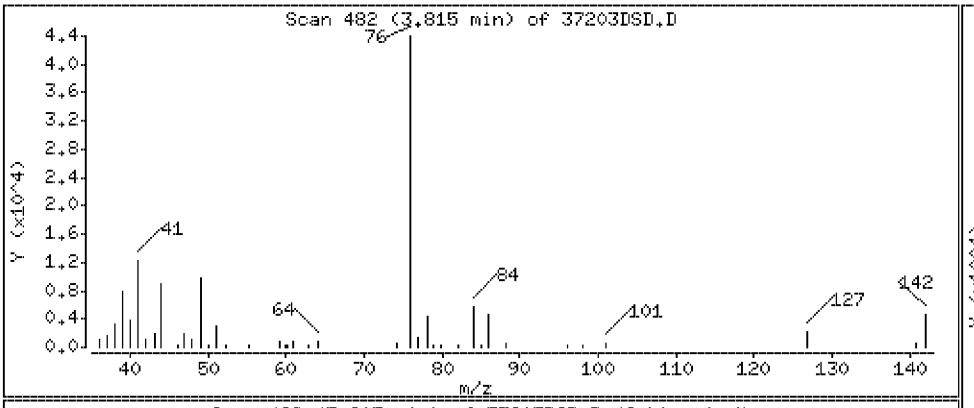
Operator:

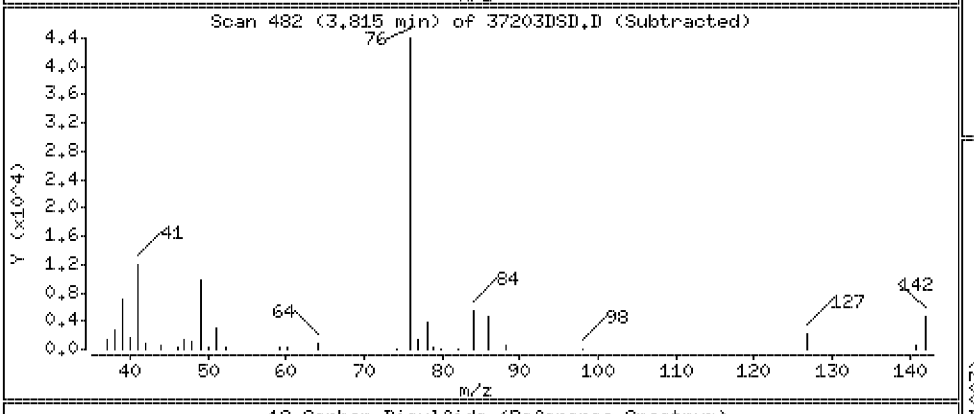
Column phase: DB-624

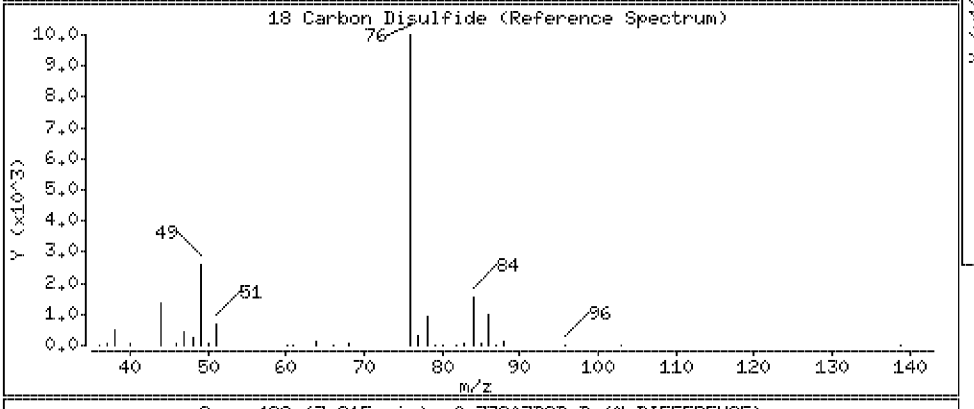
Column diameter: 0.18

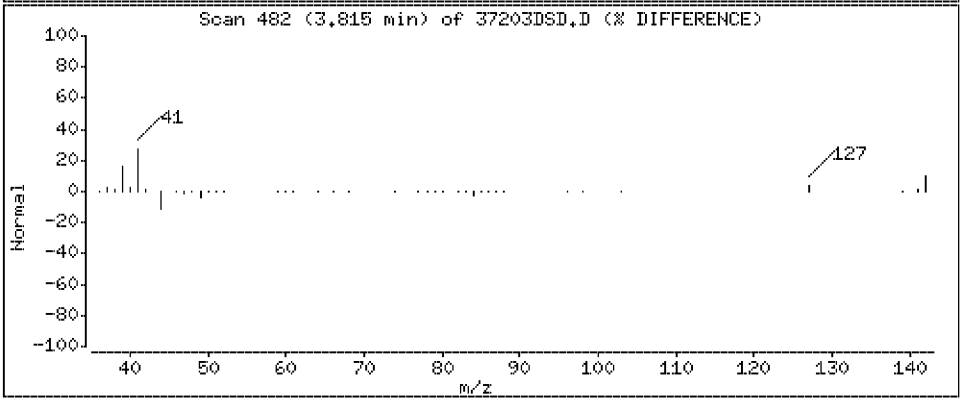
18 Carbon Disulfide

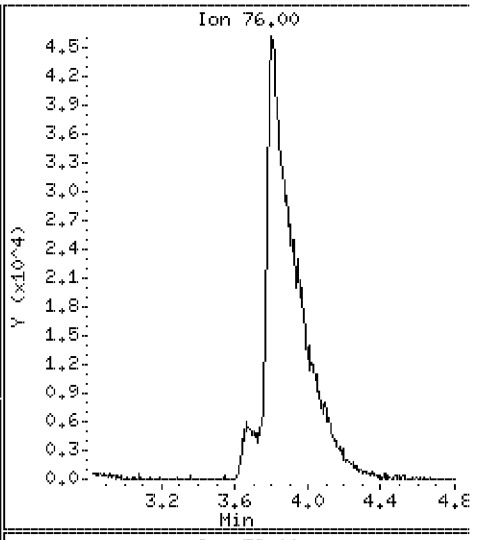
Concentration: 171 ug/l

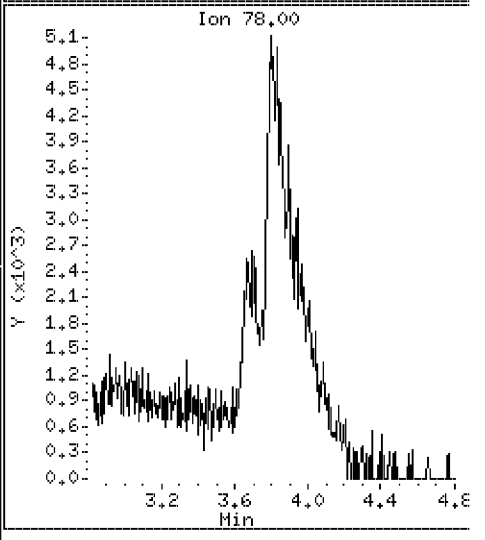












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

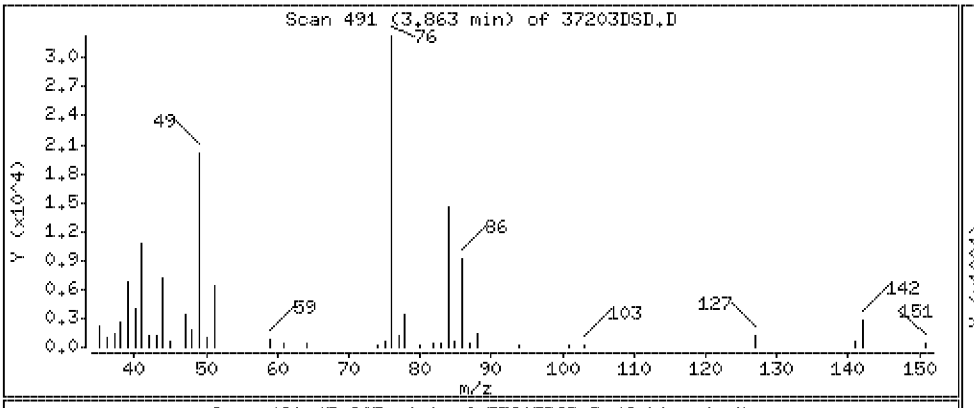
Operator:

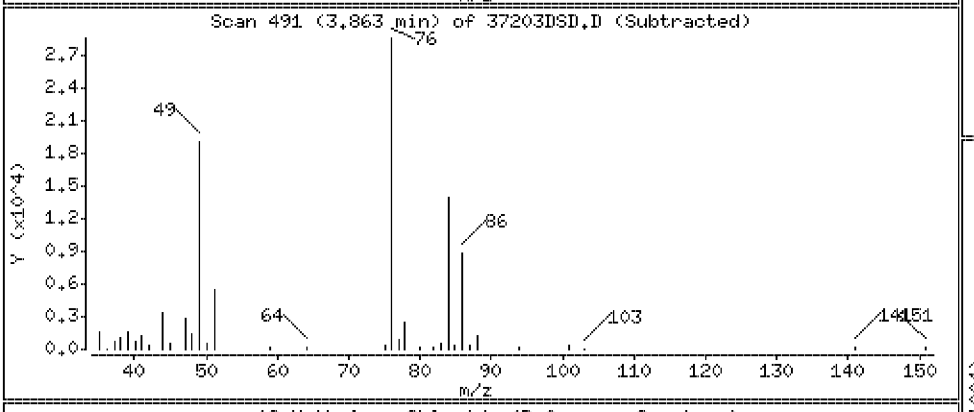
Column phase: DB-624

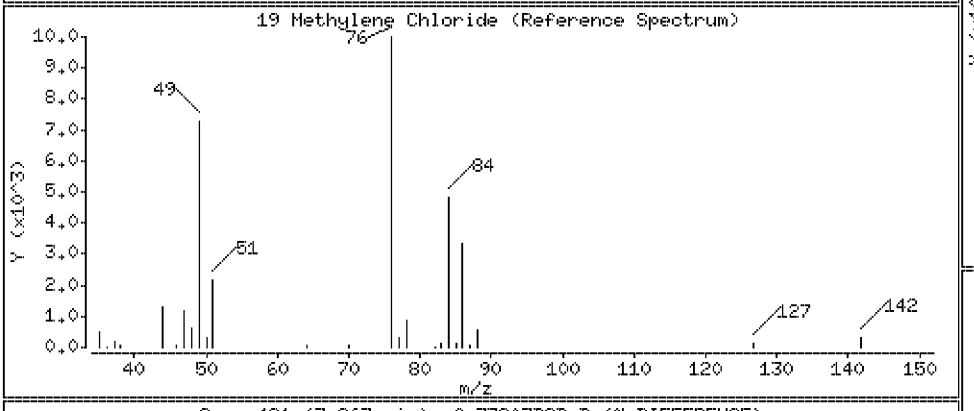
Column diameter: 0.18

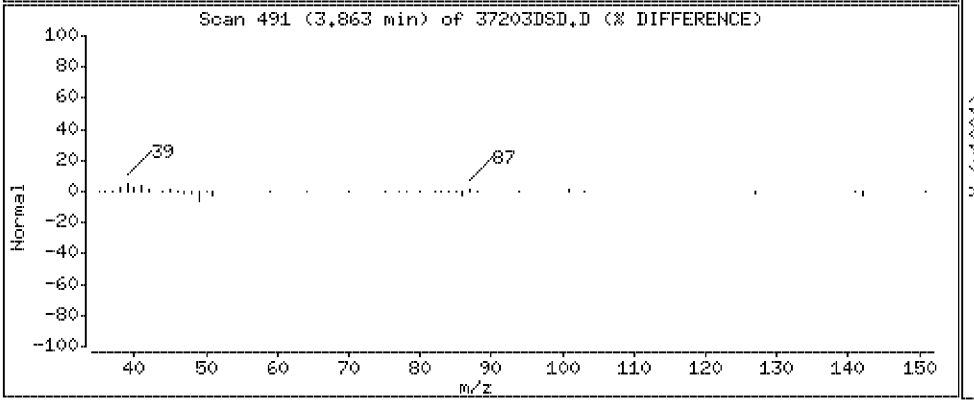
19 Methylene Chloride

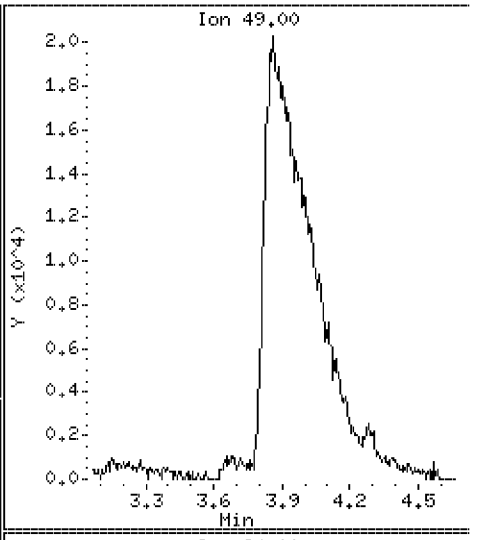
Concentration: 191 ug/l

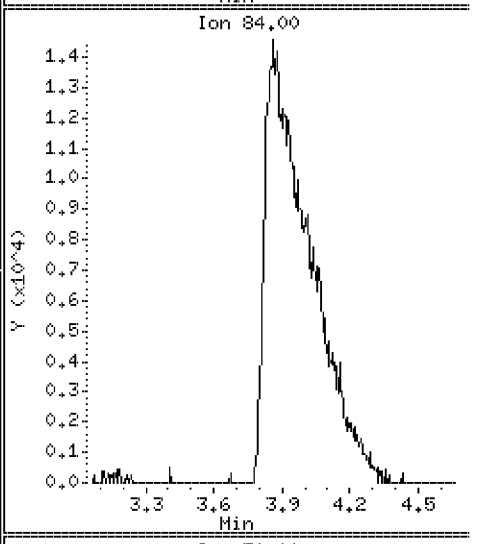


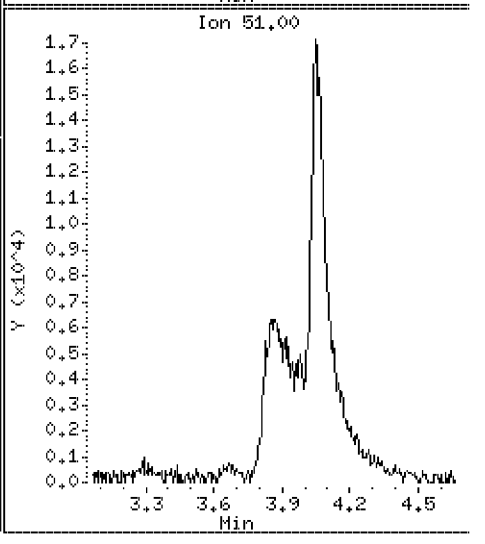












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

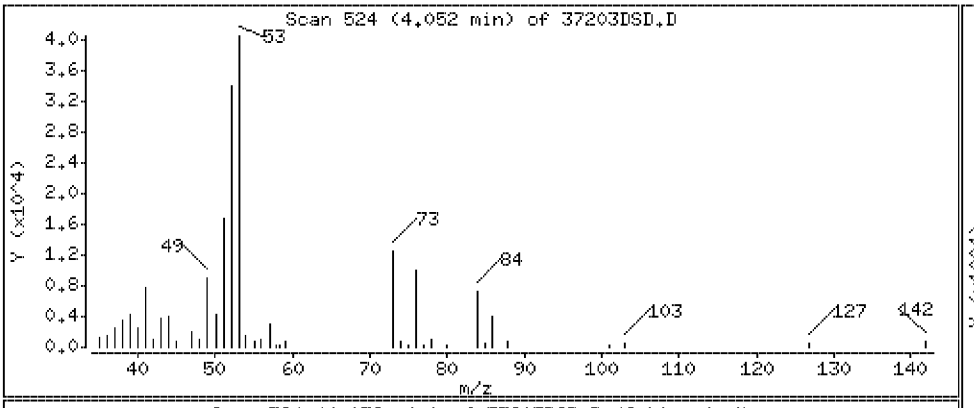
Operator:

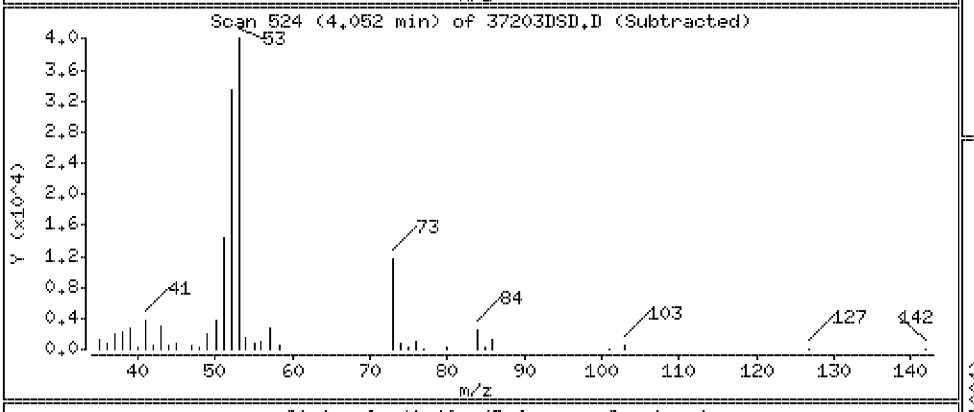
Column phase: DB-624

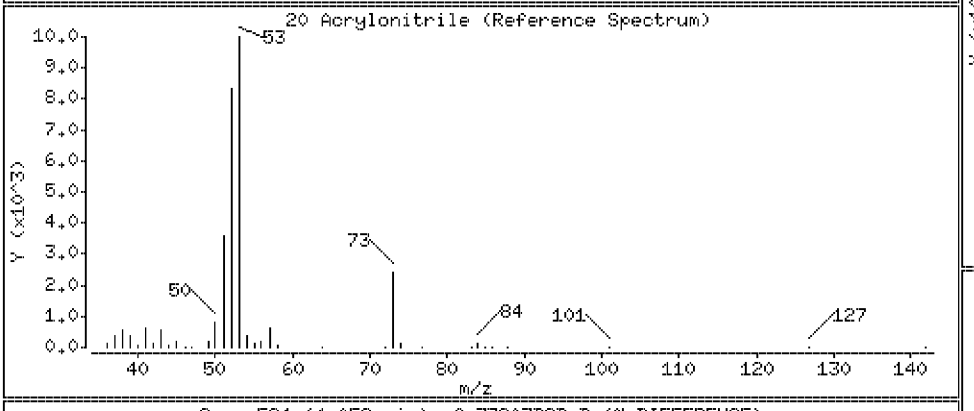
Column diameter: 0.18

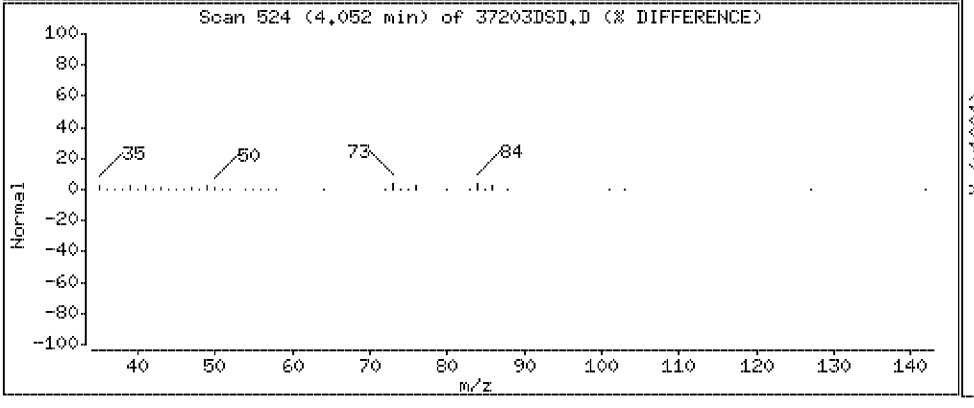
20 Acrylonitrile

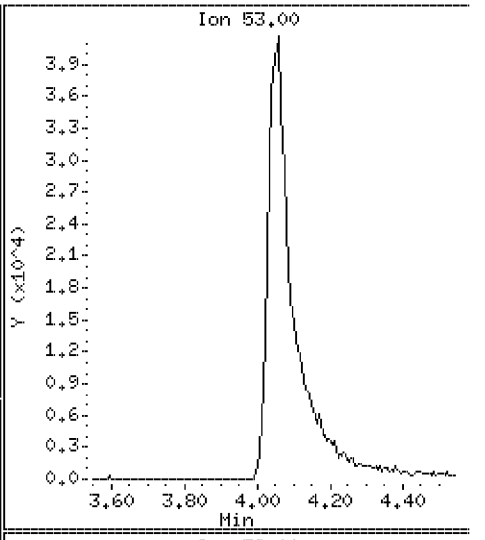
Concentration: 582 ug/l

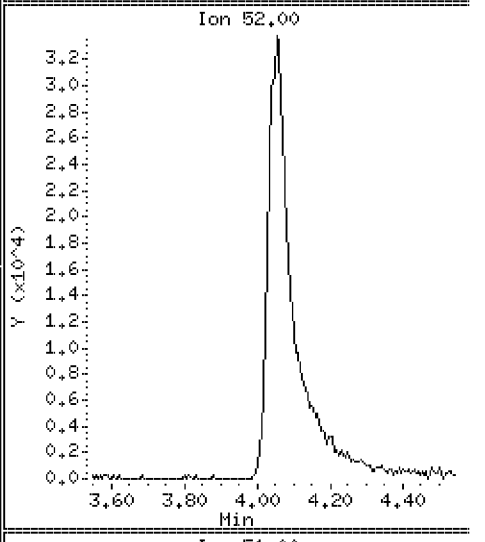


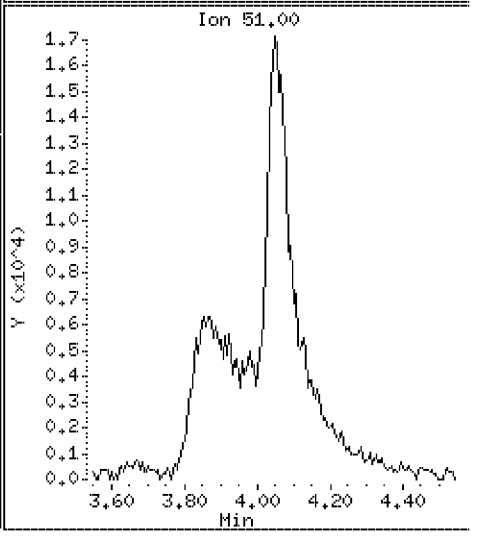












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

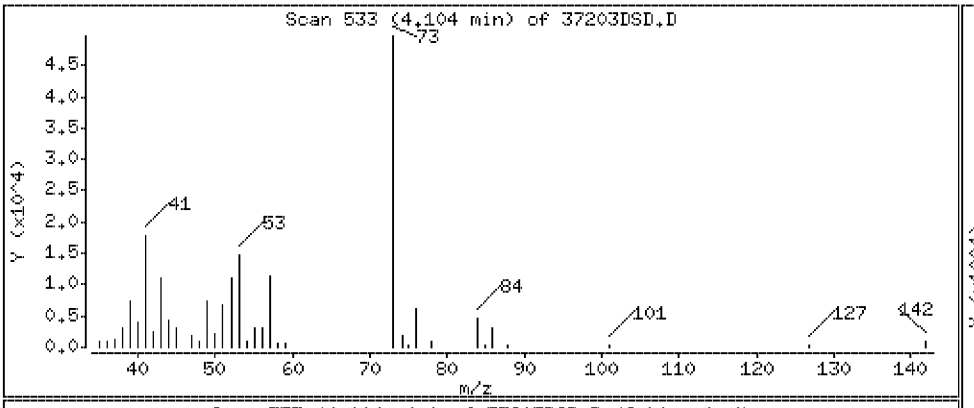
Operator:

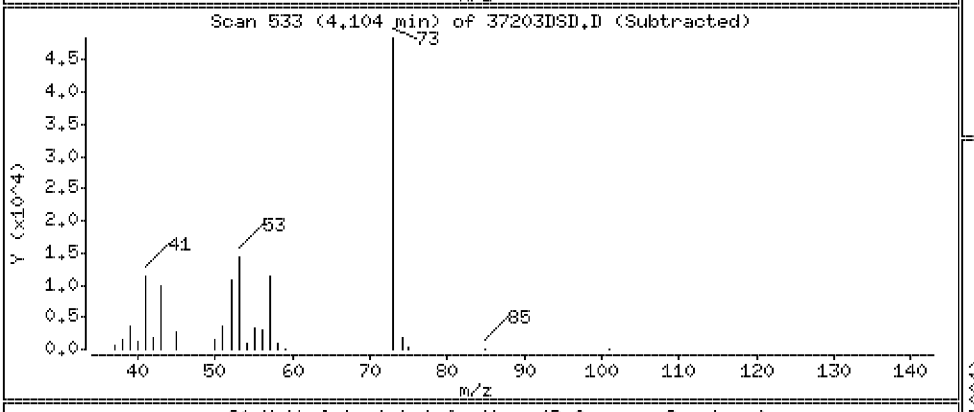
Column phase: DB-624

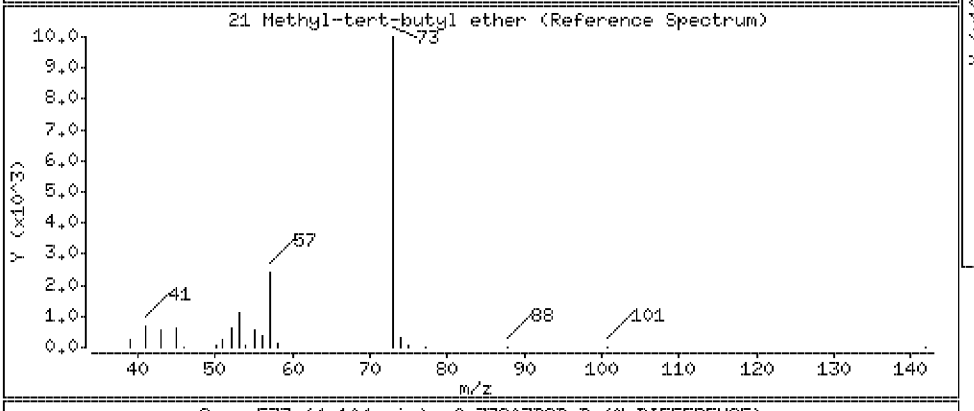
Column diameter: 0.18

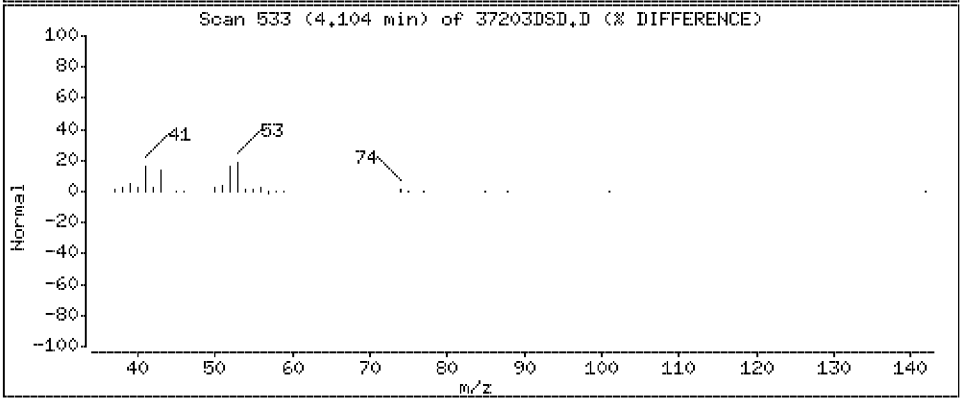
21 Methyl-tert-butyl ether

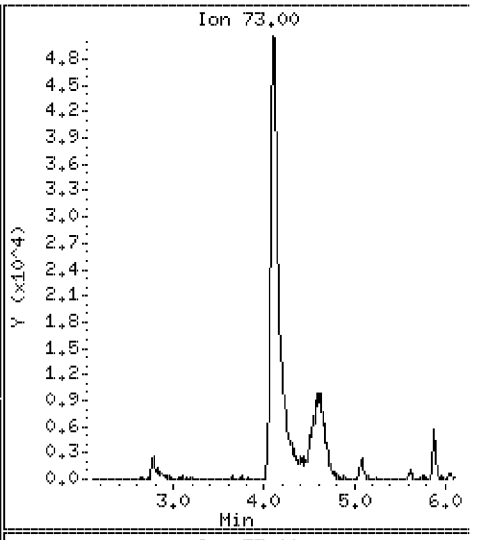
Concentration: 200 ug/l

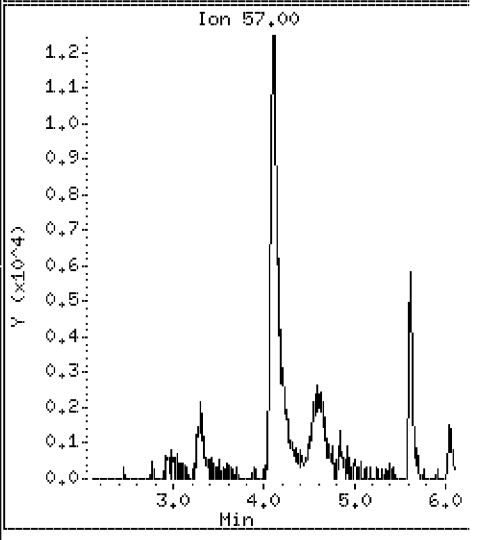












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

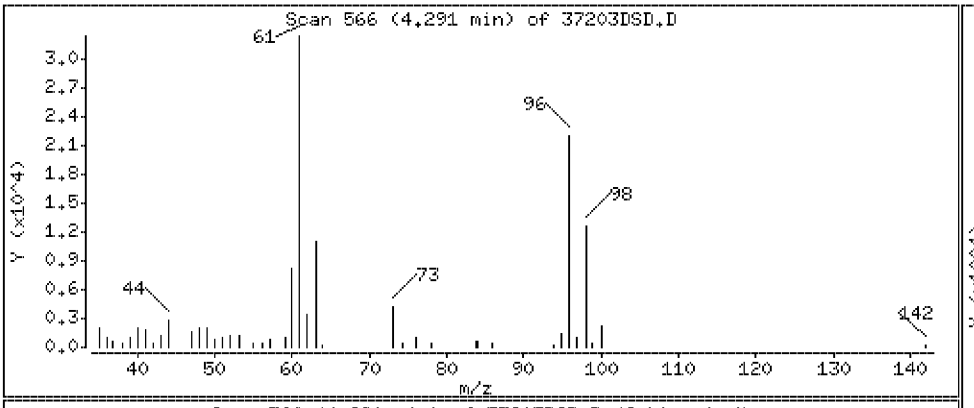
Operator:

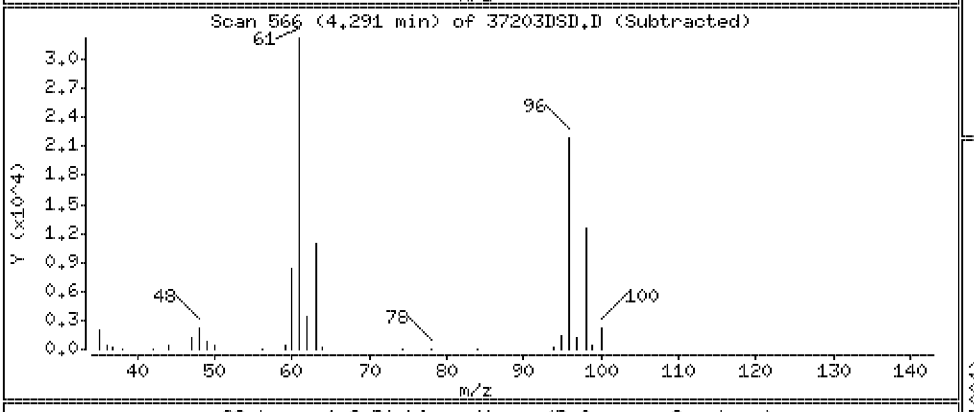
Column phase: DB-624

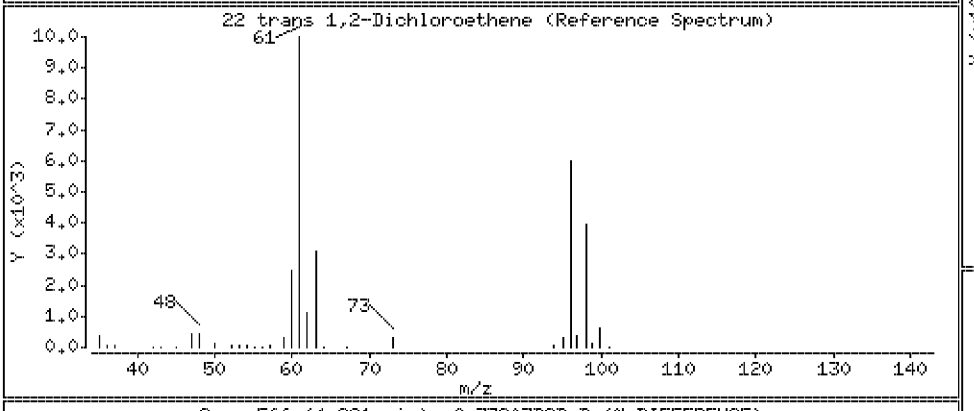
Column diameter: 0.18

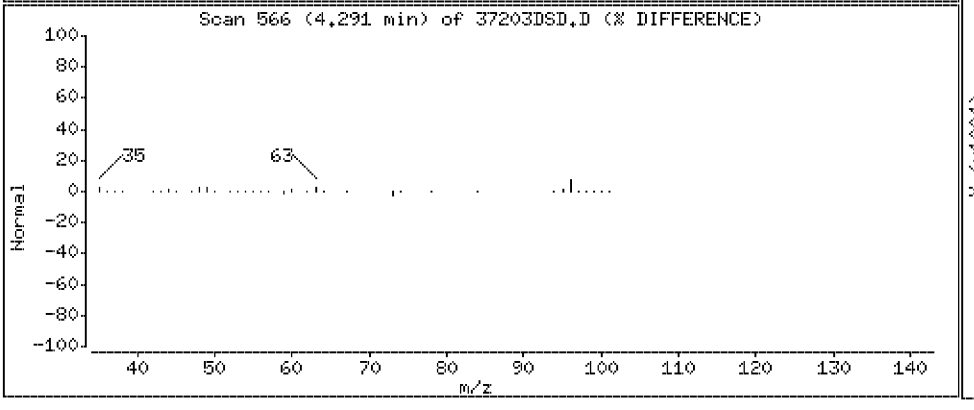
22 trans 1,2-Dichloroethene

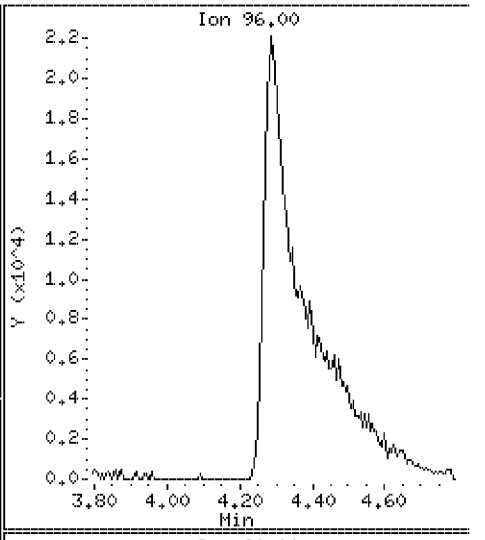
Concentration: 181 ug/l

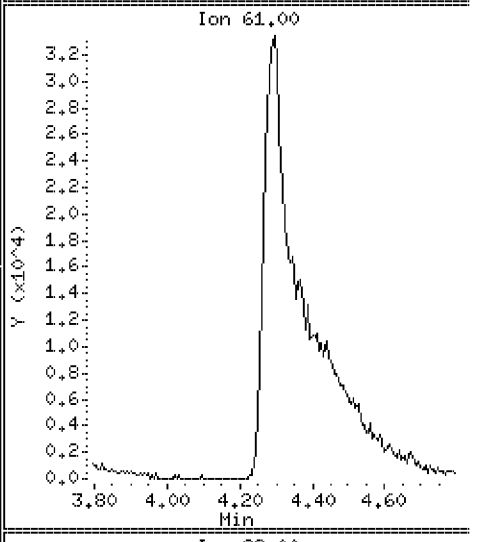


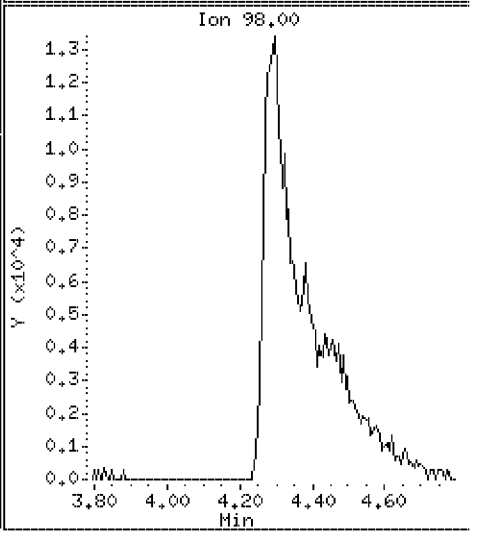












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

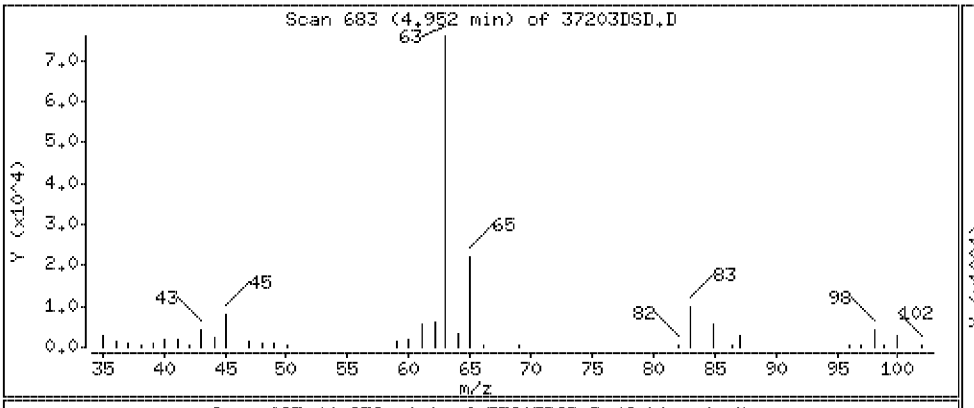
Operator:

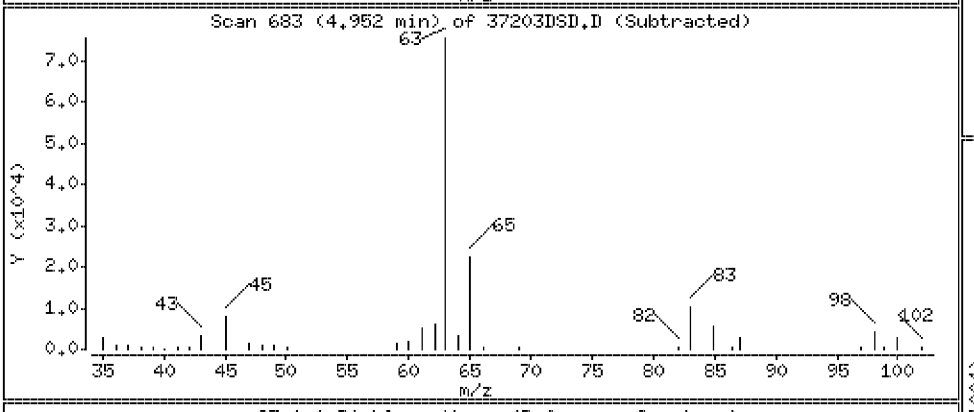
Column phase: DB-624

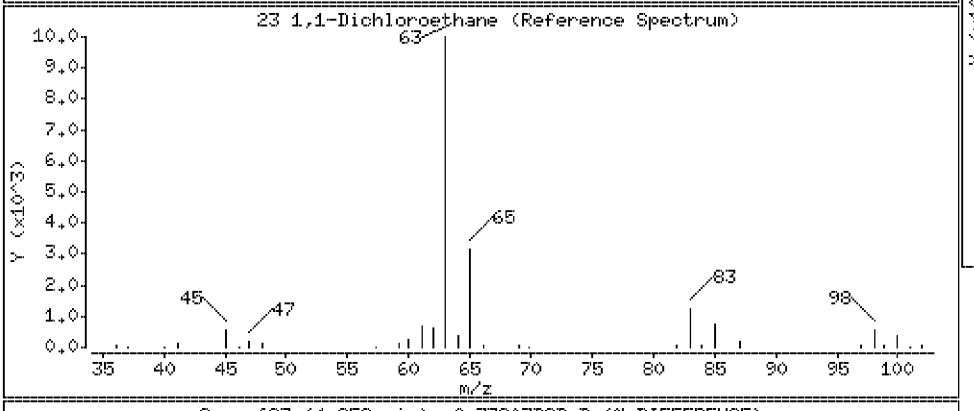
Column diameter: 0.18

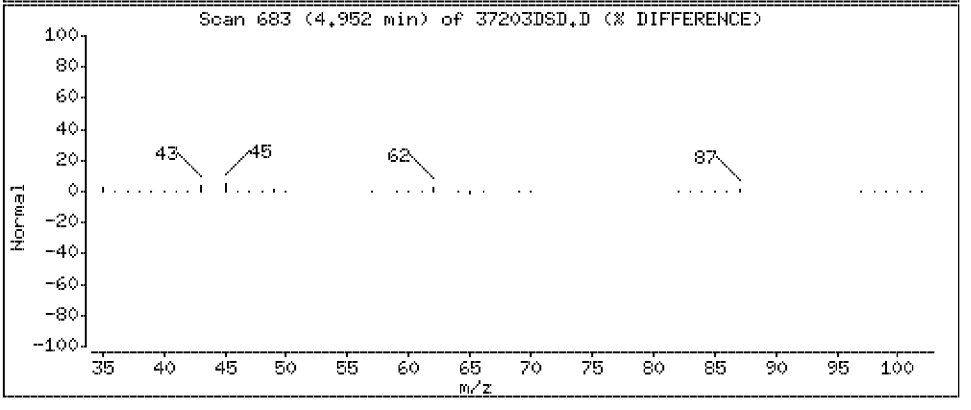
23 1,1-Dichloroethane

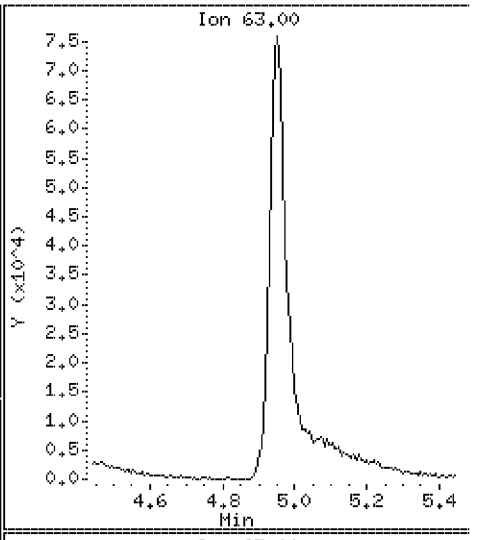
Concentration: 197 ug/l

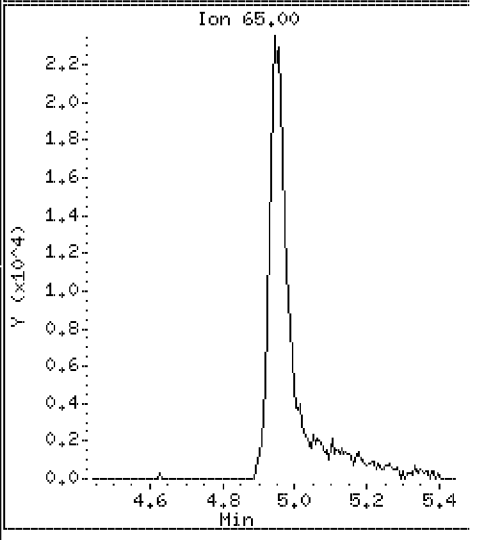












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Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

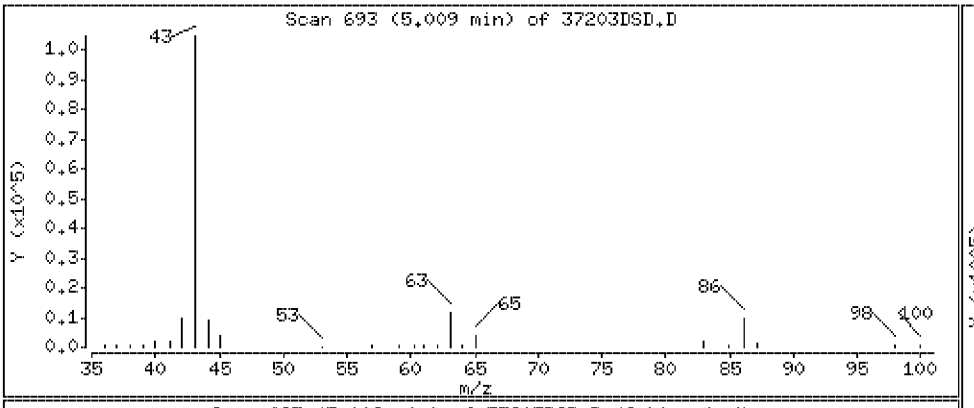
Operator:

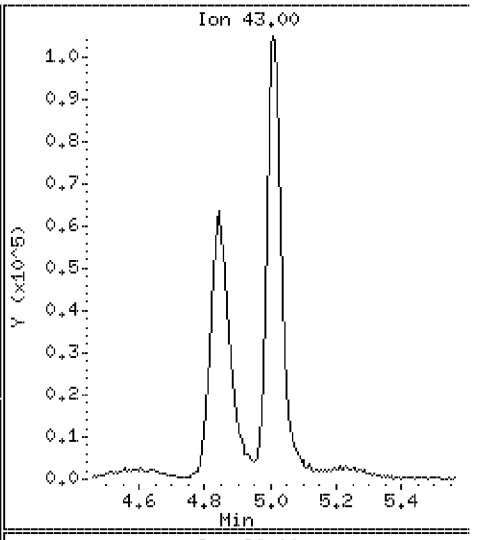
Column phase: DB-624

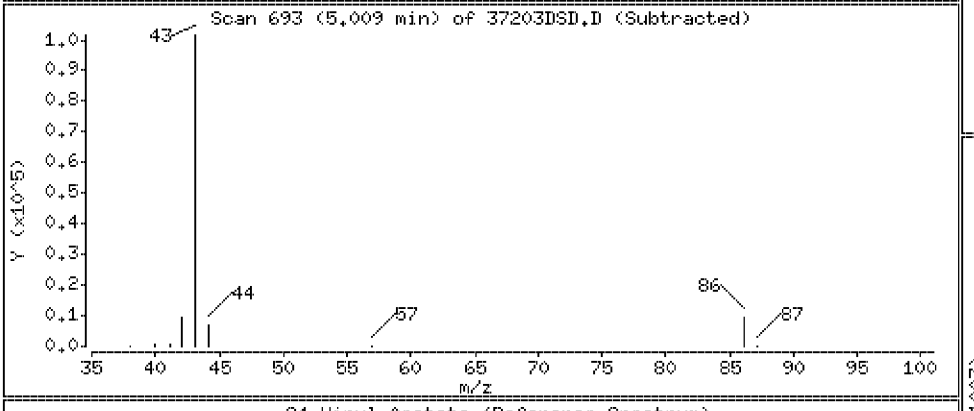
Column diameter: 0.18

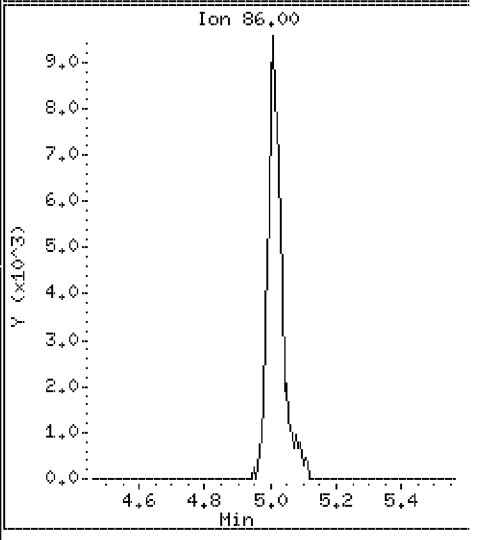
24 Vinyl Acetate

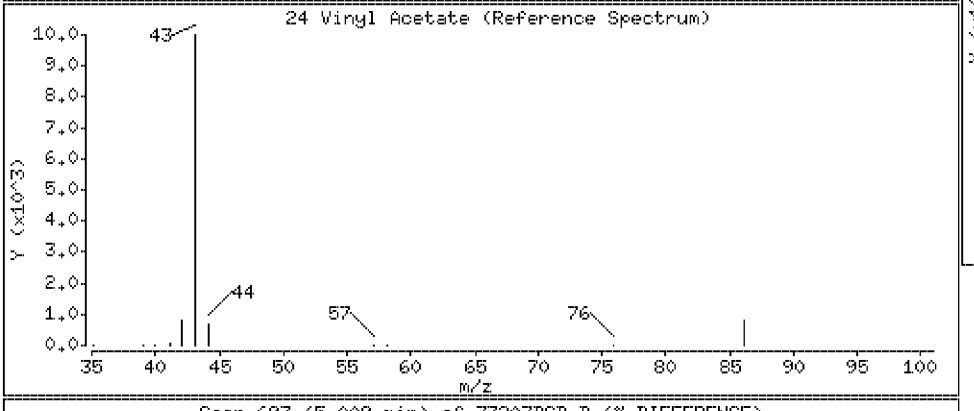
Concentration: 176 ug/l

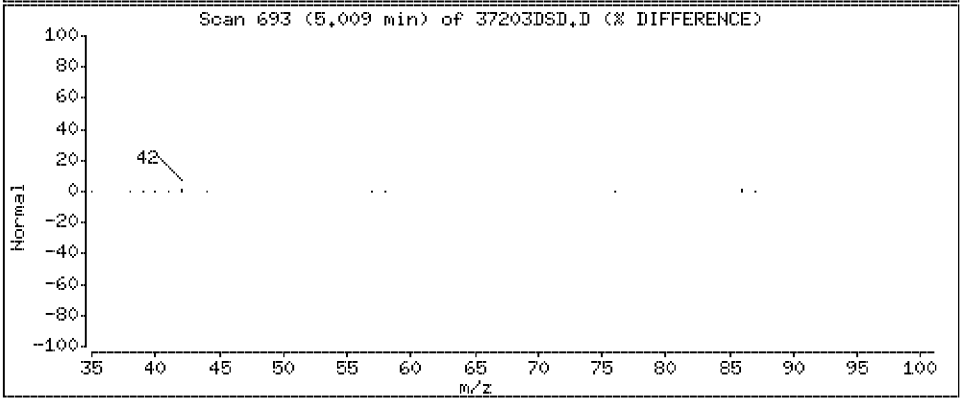












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Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

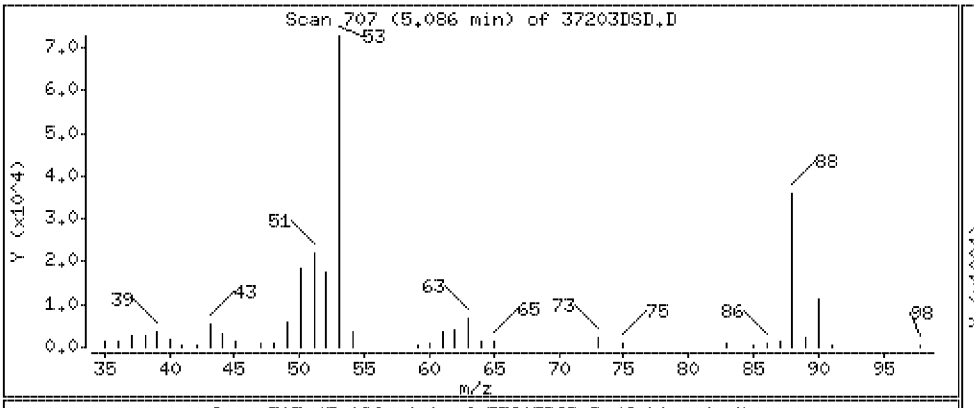
Operator:

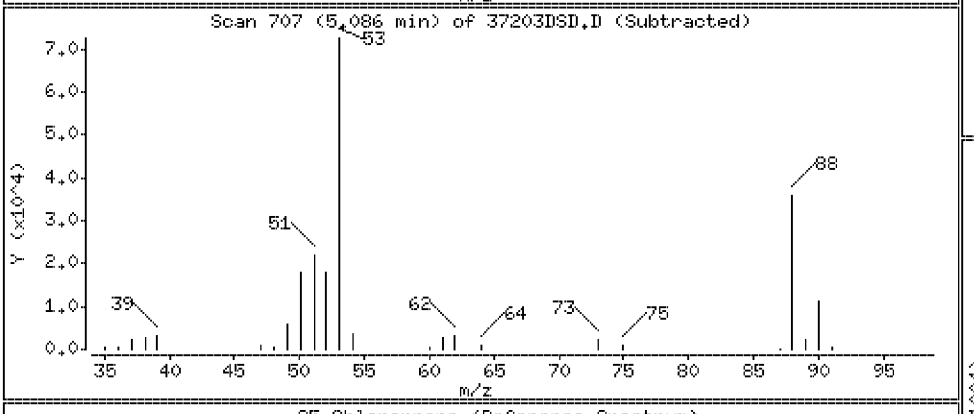
Column phase: DB-624

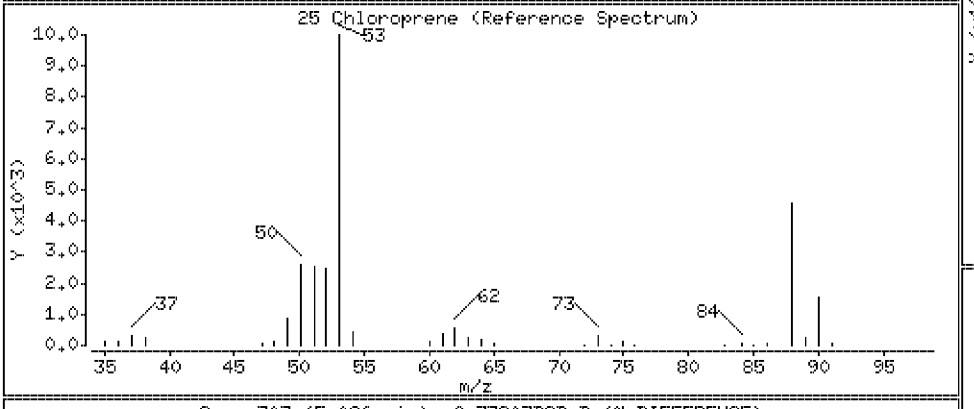
Column diameter: 0.18

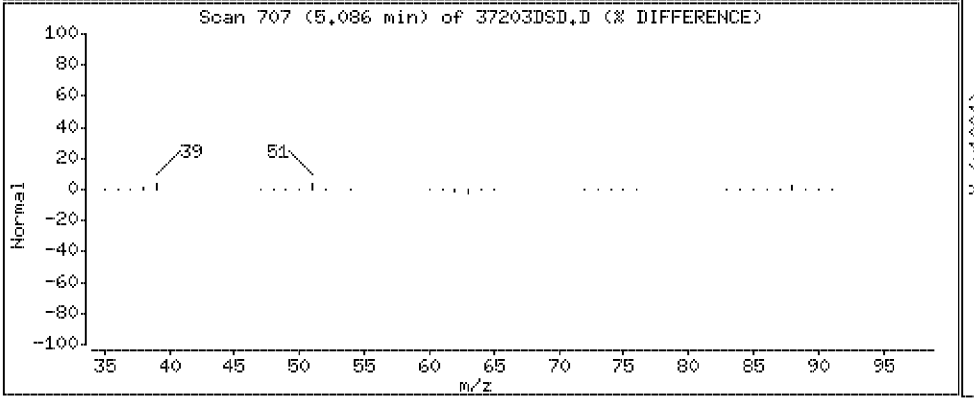
25 Chloroprene

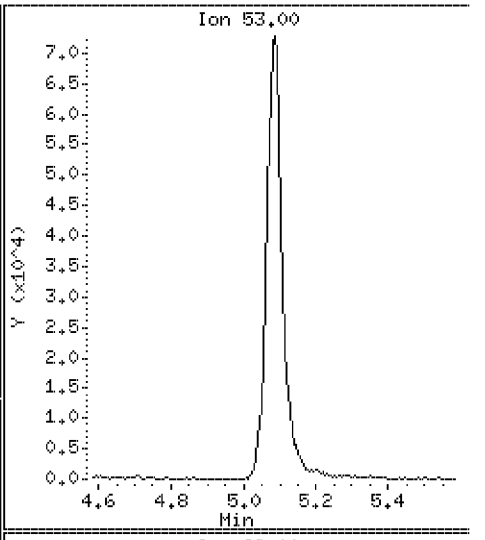
Concentration: 171 ug/l

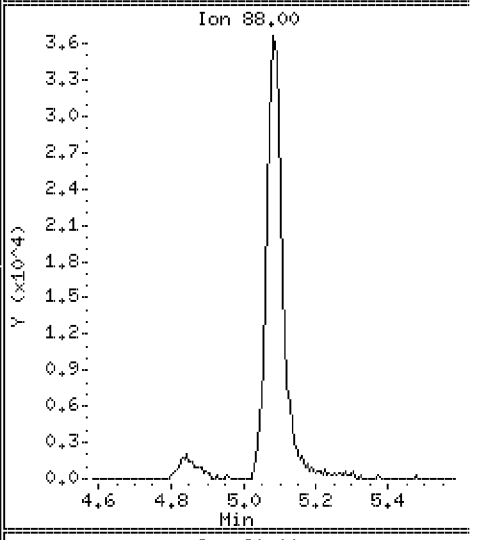


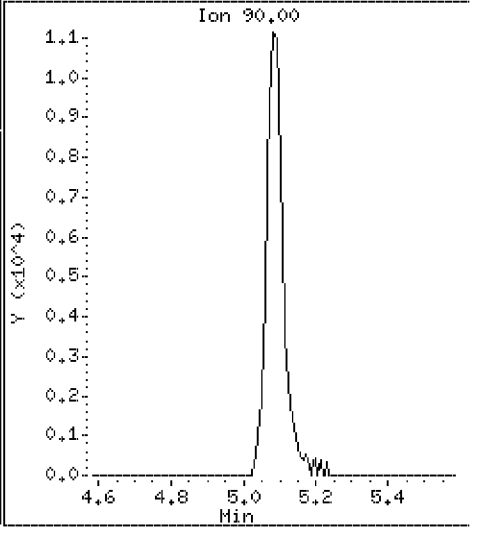












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

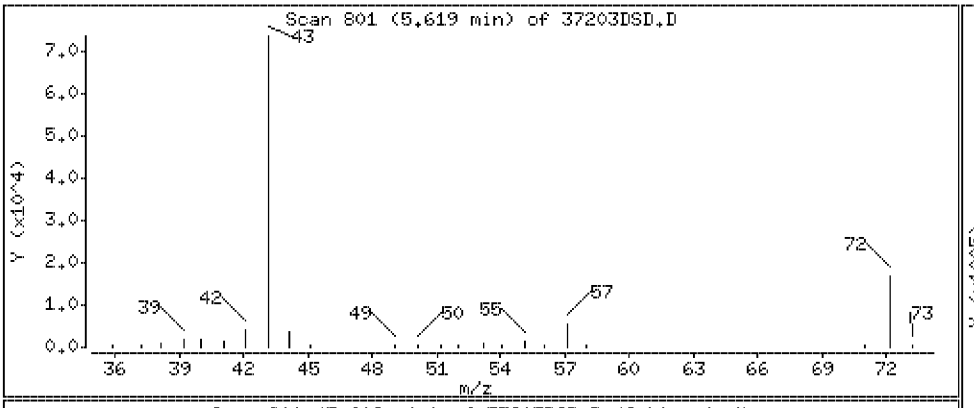
Operator:

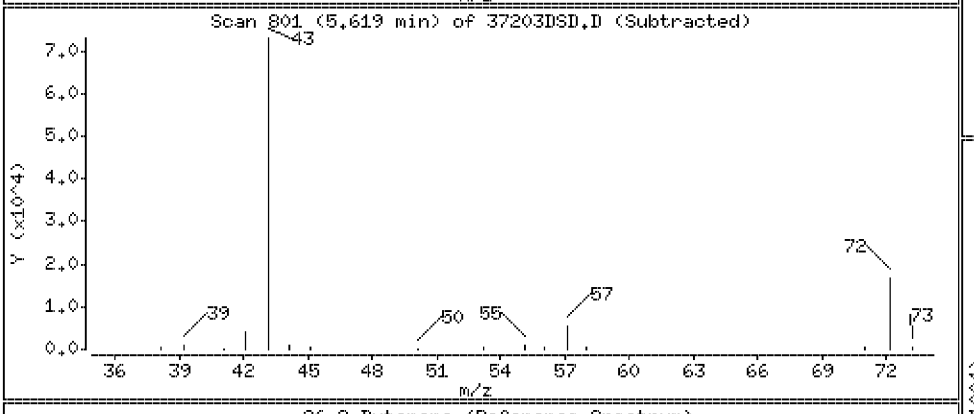
Column phase: DB-624

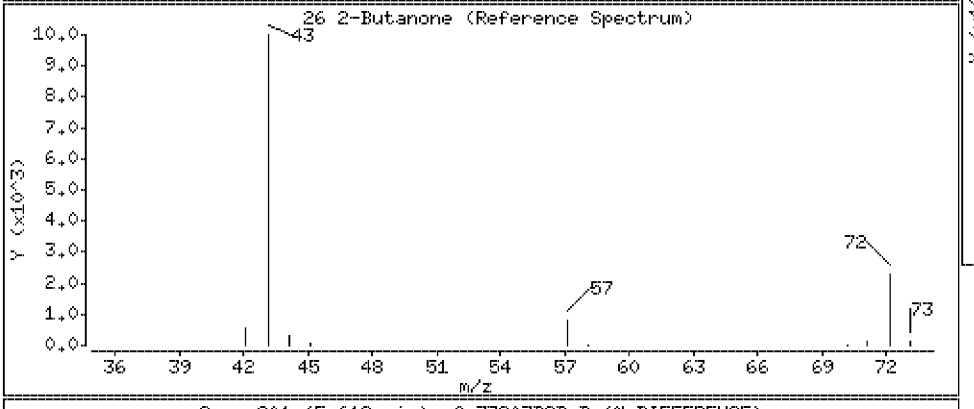
Column diameter: 0.18

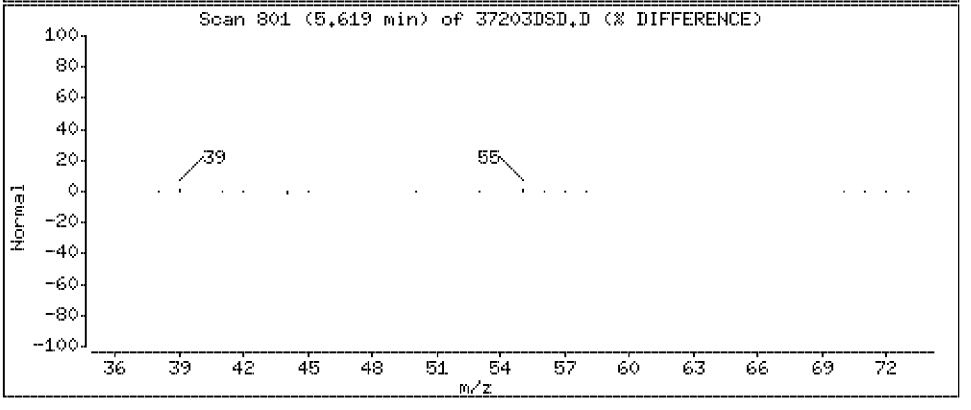
26 2-Butanone

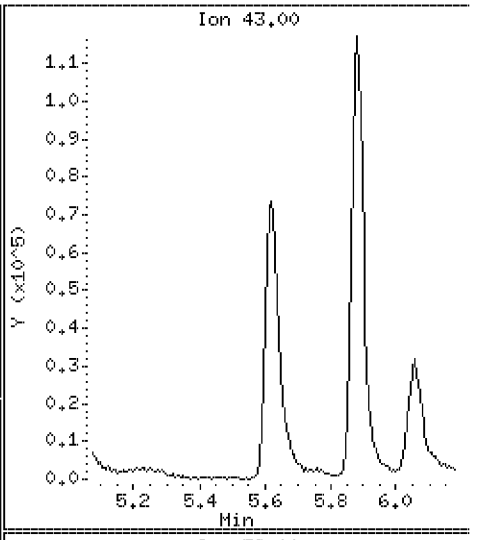
Concentration: 498 ug/l

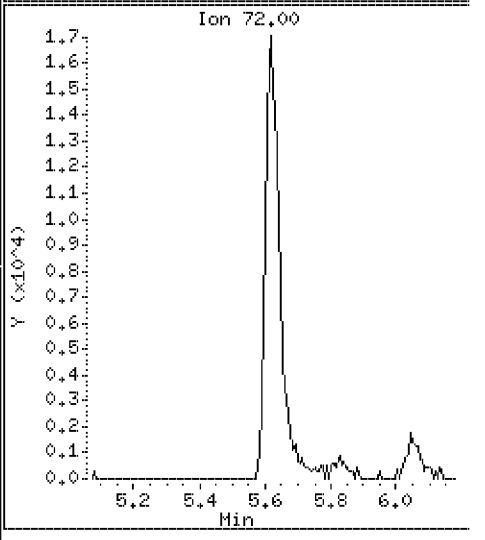












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

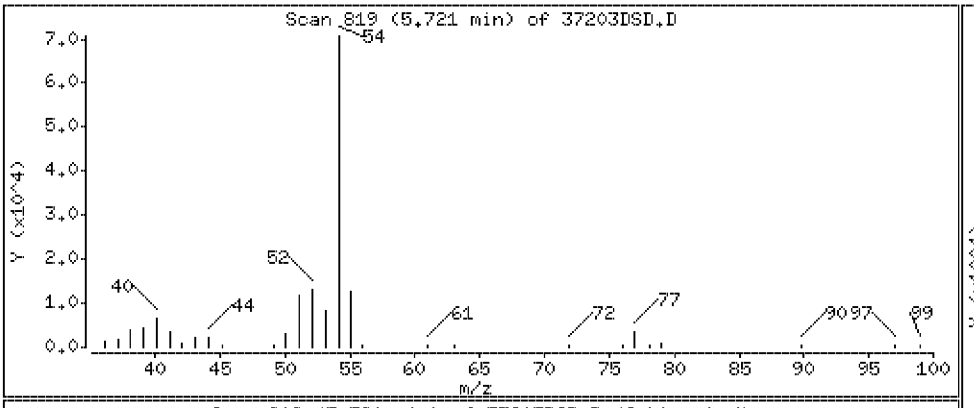
Operator:

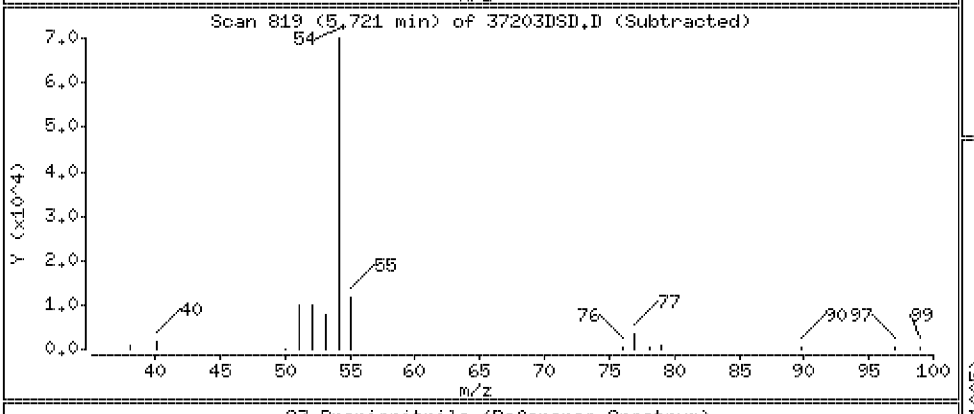
Column phase: DB-624

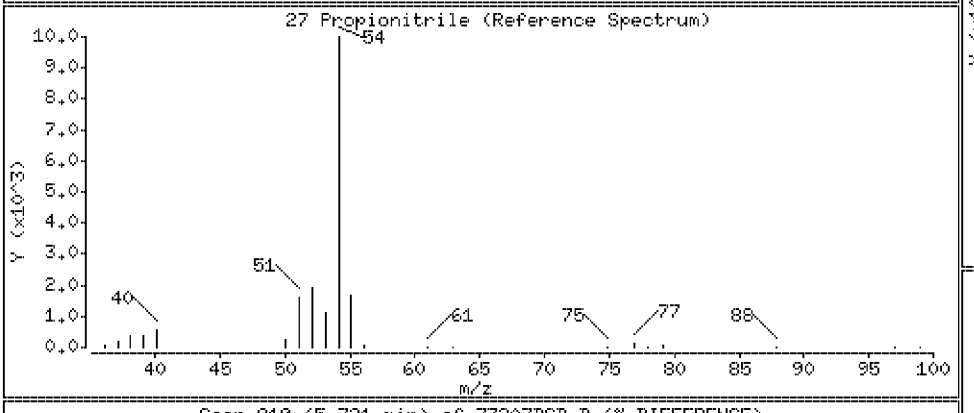
Column diameter: 0.18

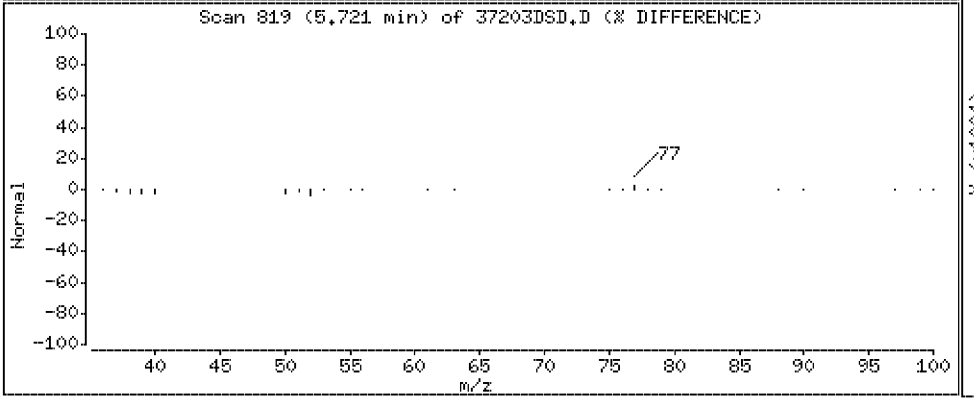
27 Propionitrile

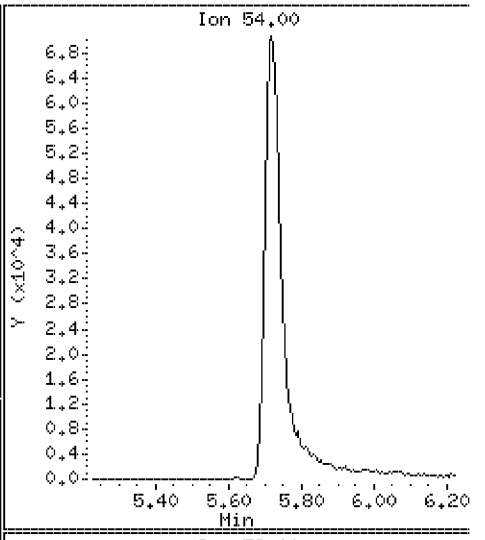
Concentration: 1800 ug/l

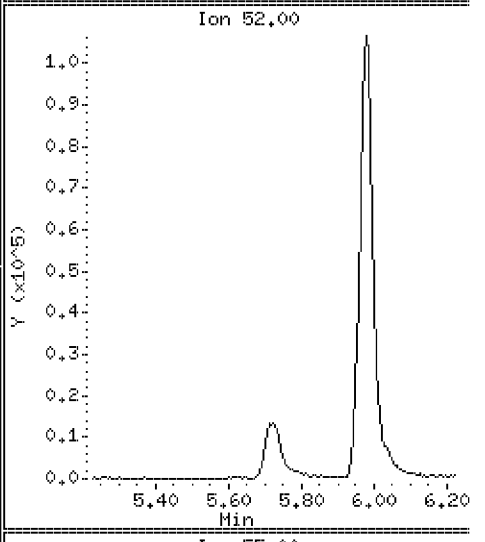


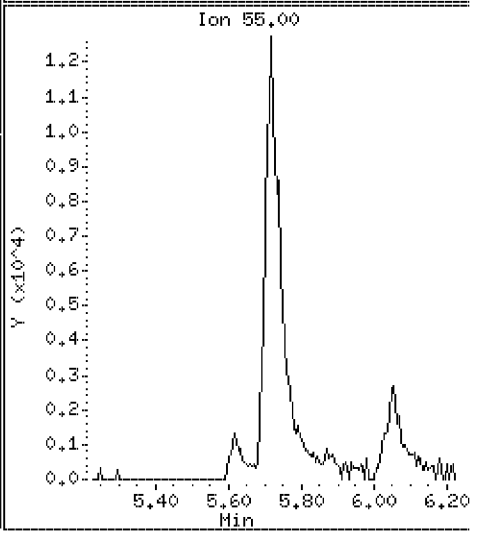












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

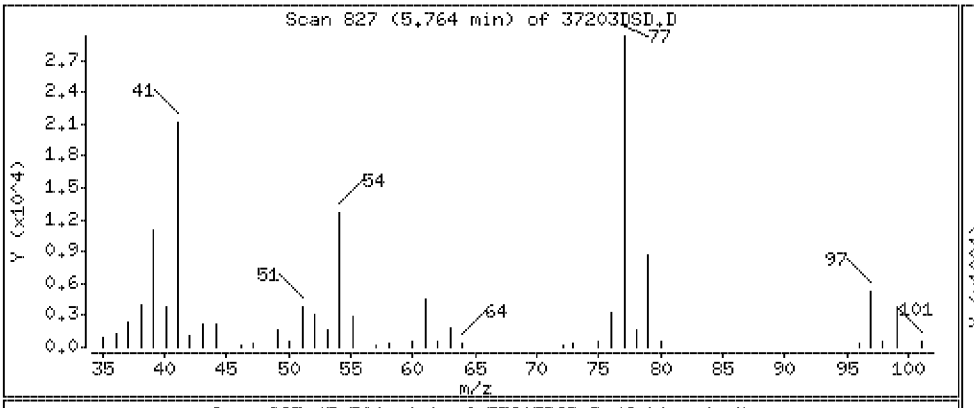
Client ID: TO05MW40AMSD | Instrument: vms03.i

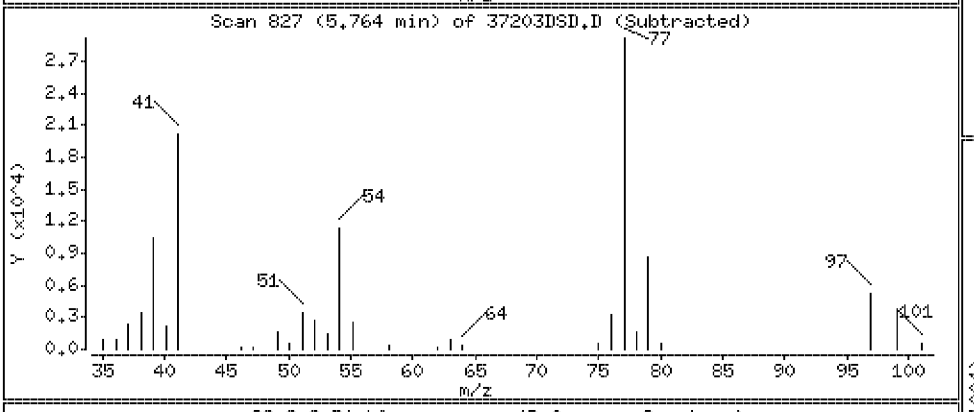
Sample Info: 250737203;2507372;10;

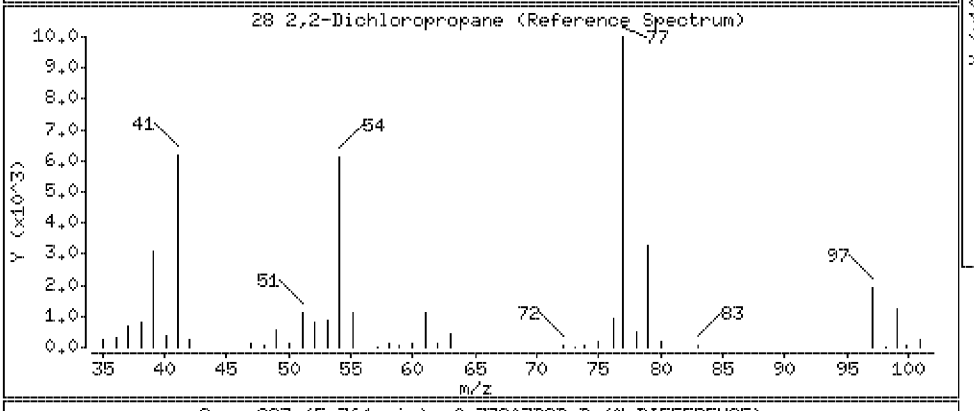
Purge Volume: 5.0 | Operator:

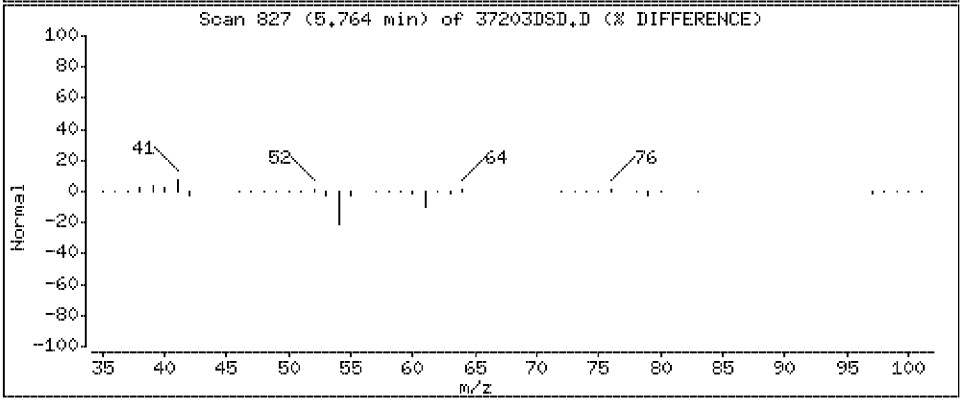
Column phase: DB-624 | Column diameter: 0.18

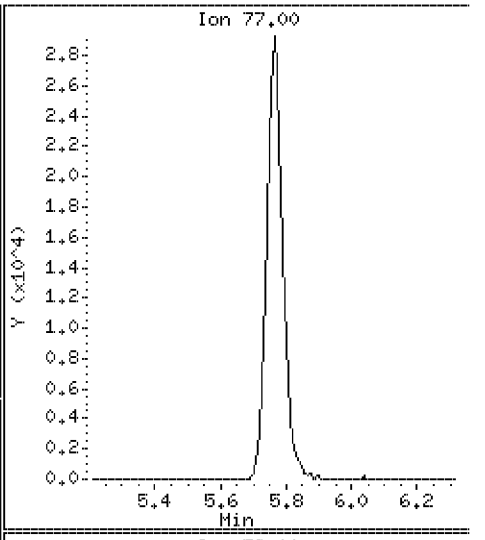
28 2,2-Dichloropropane | Concentration: 194 ug/l

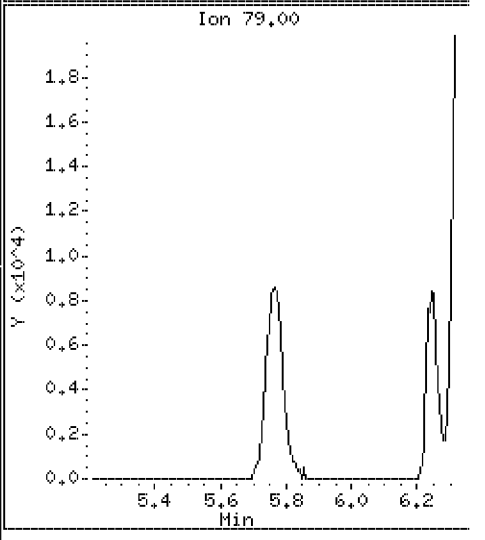












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

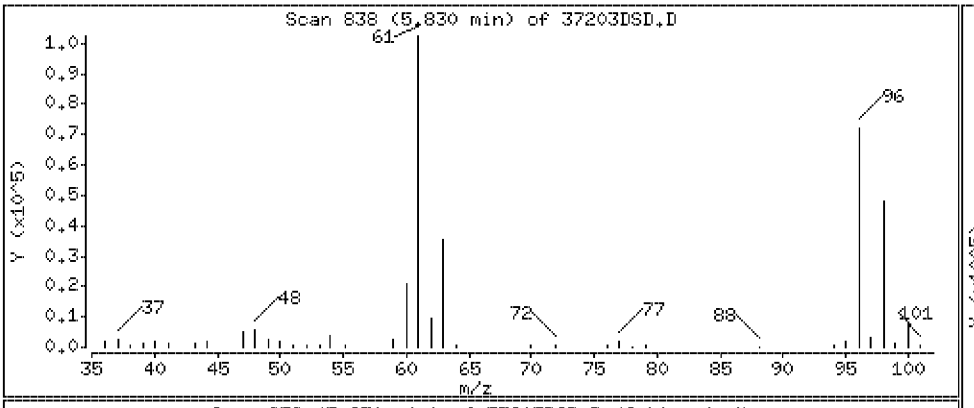
Operator:

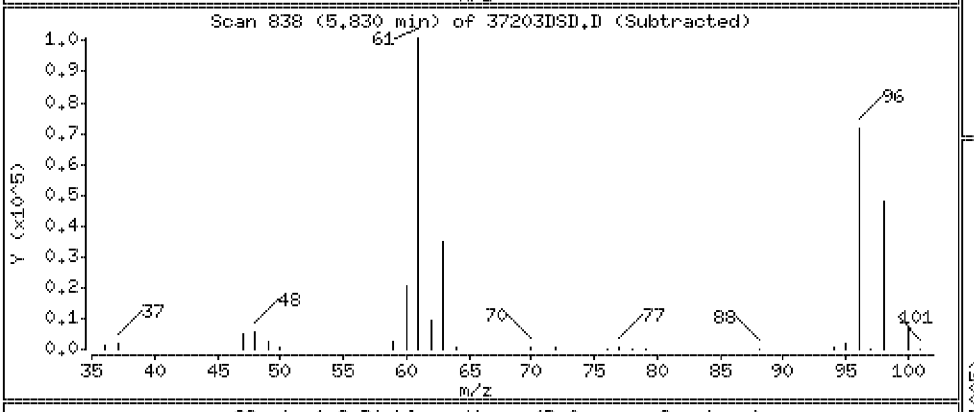
Column phase: DB-624

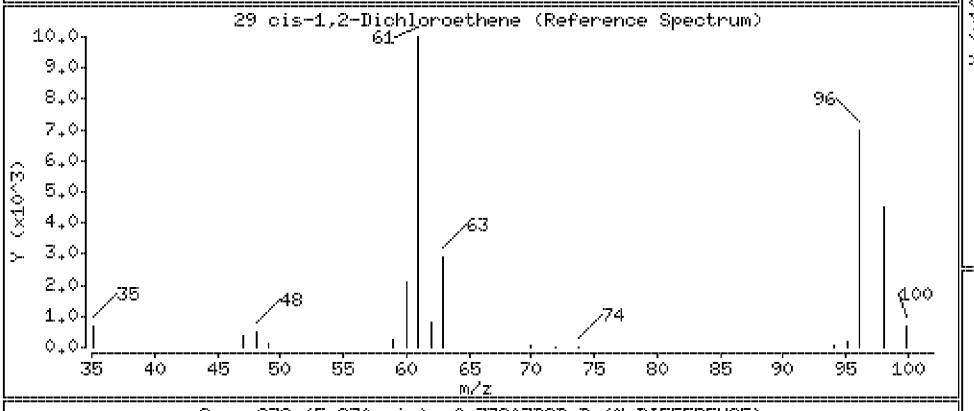
Column diameter: 0.18

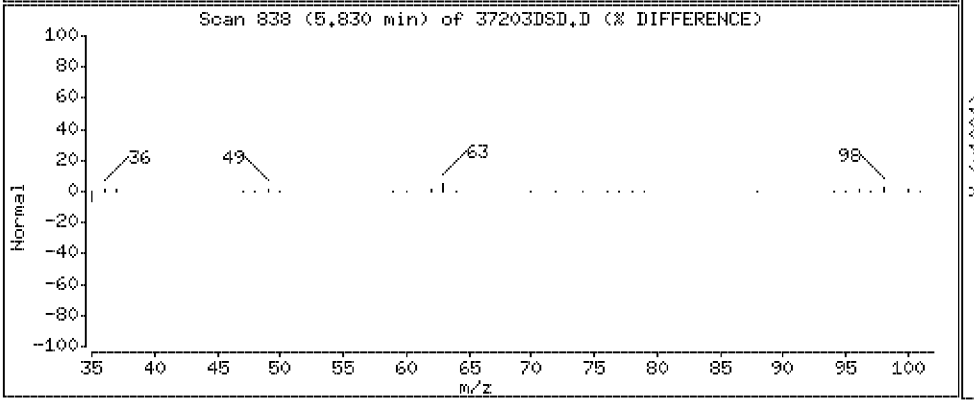
29 cis-1,2-Dichloroethene

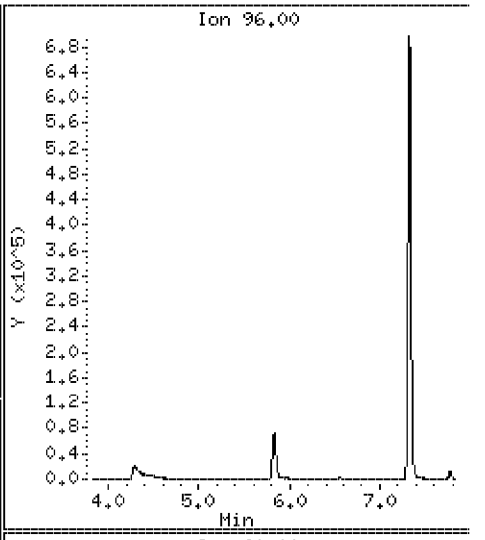
Concentration: 224 ug/l

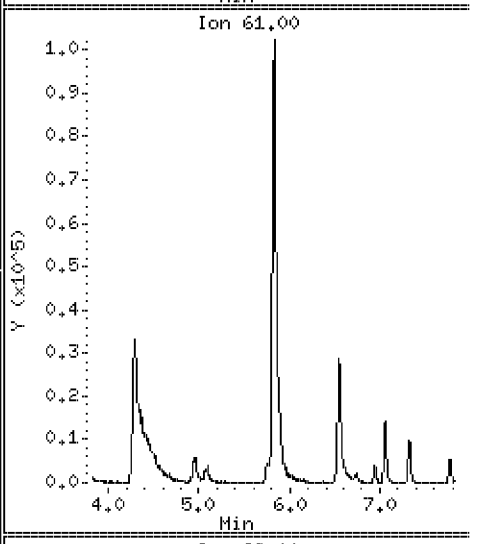


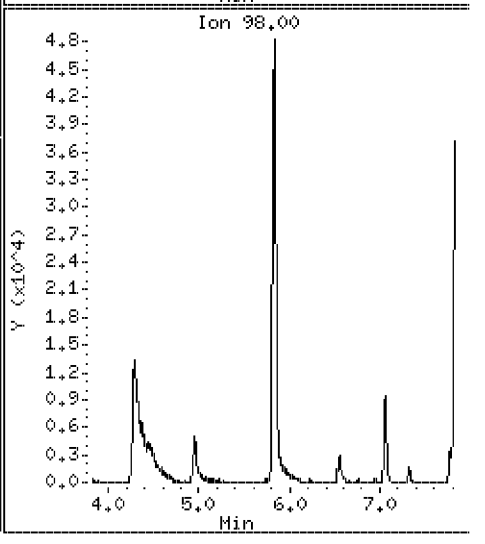












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

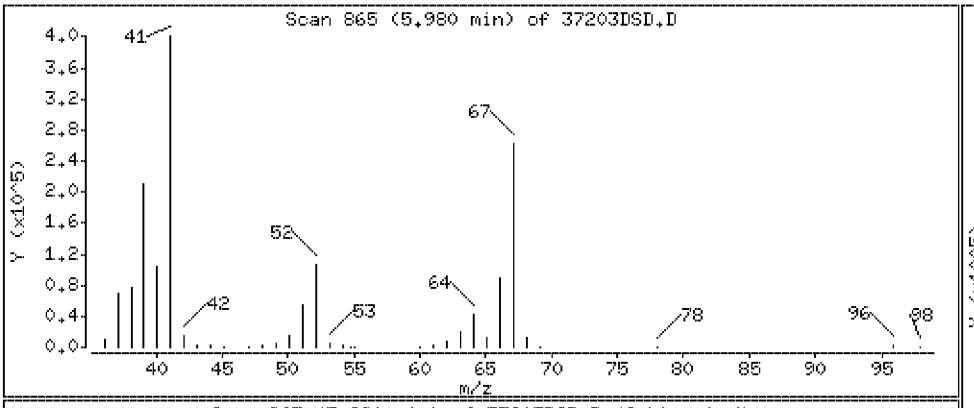
Operator:

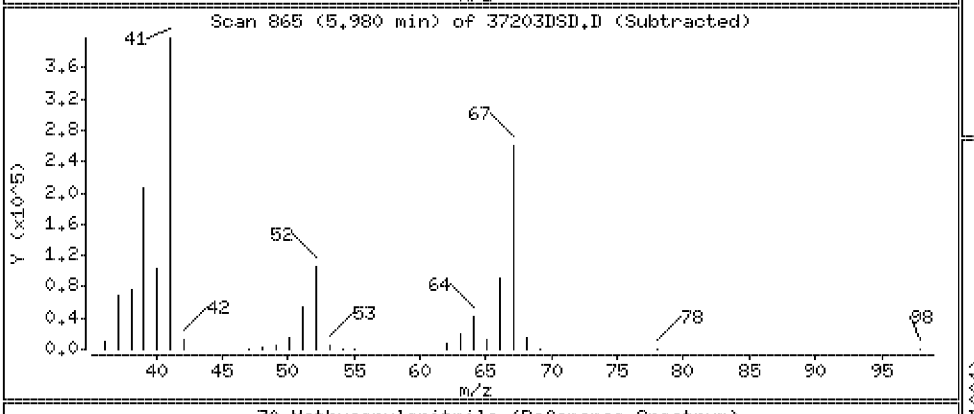
Column phase: DB-624

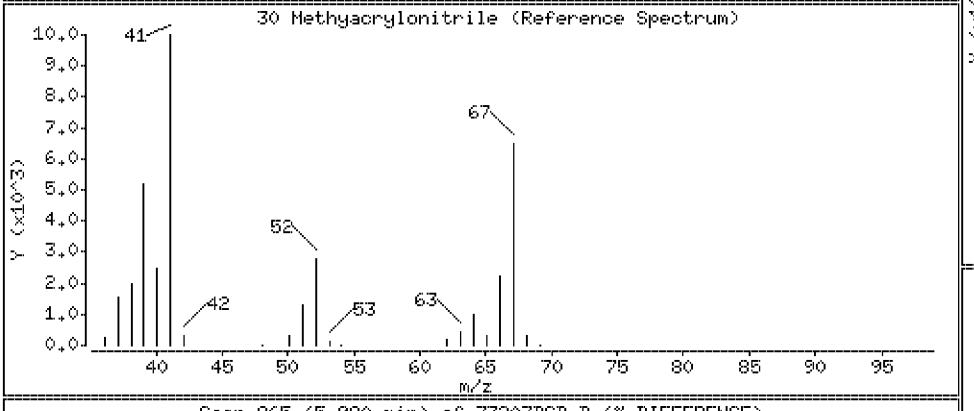
Column diameter: 0.18

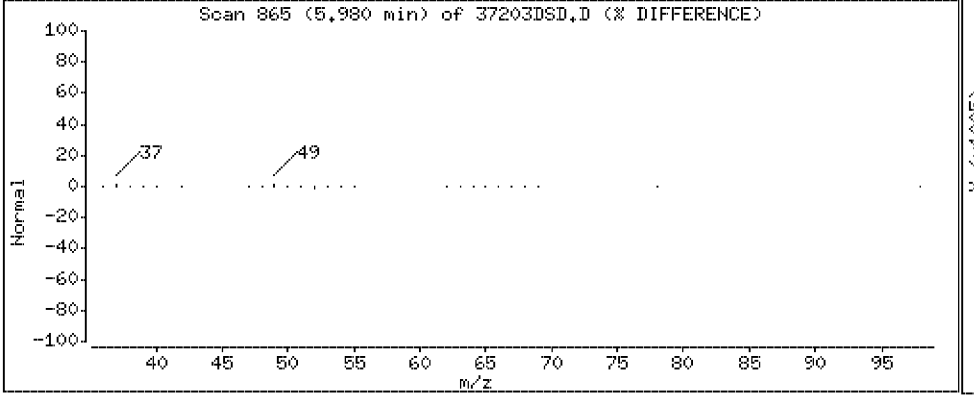
30 Methyacrylonitrile

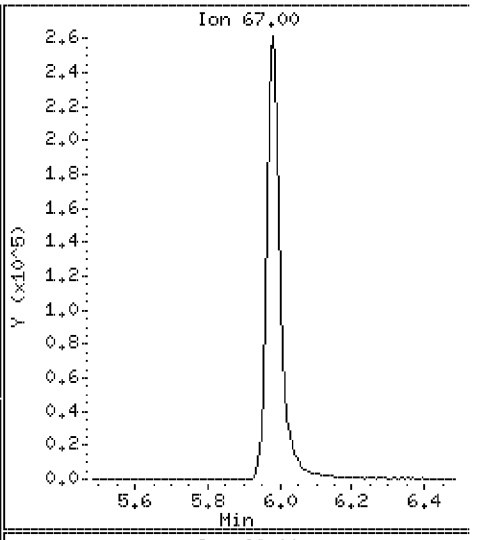
Concentration: 1900 ug/l

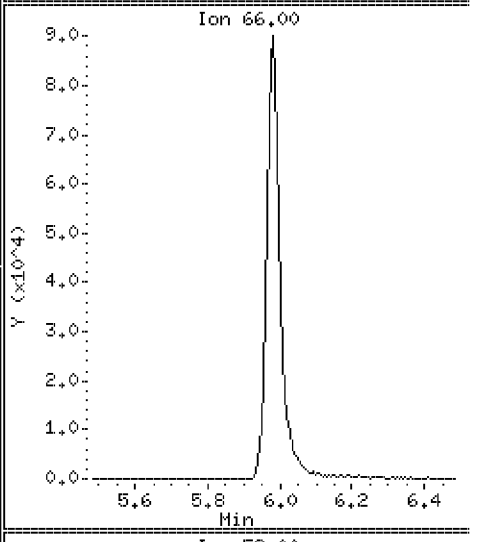


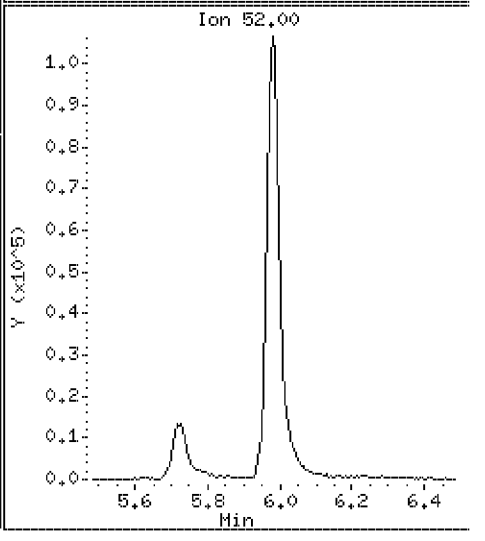












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

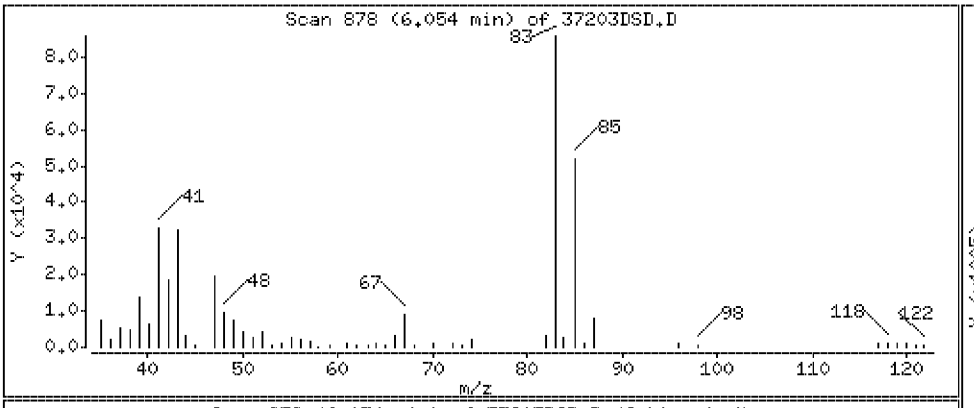
Operator:

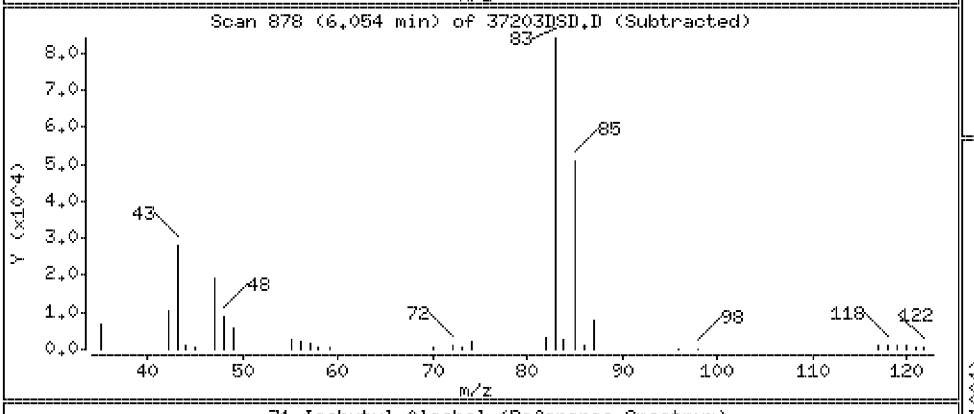
Column phase: DB-624

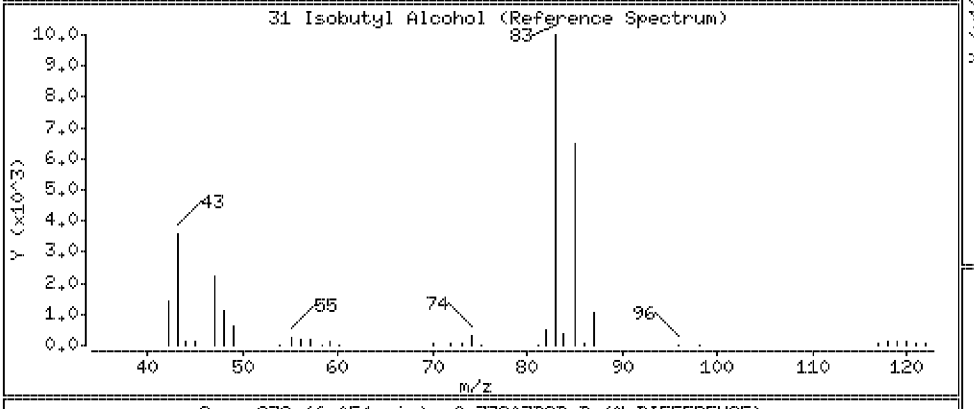
Column diameter: 0.18

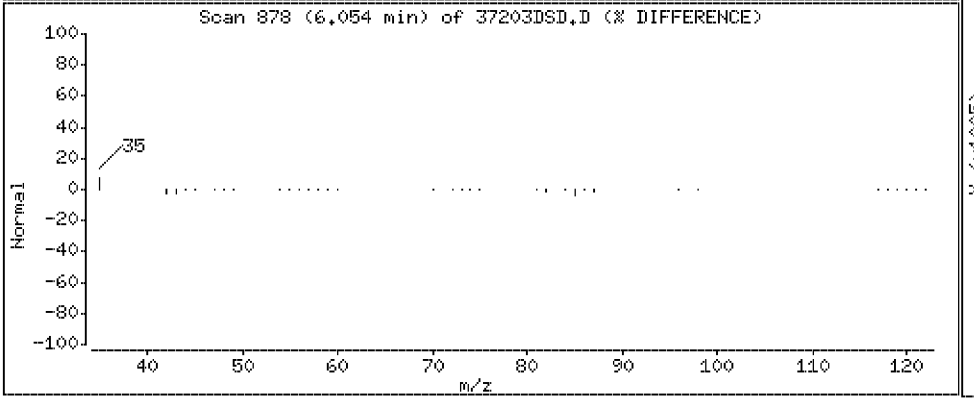
31 Isobutyl Alcohol

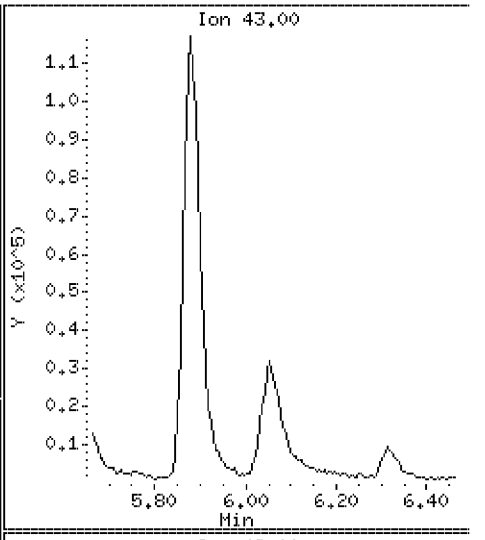
Concentration: 2170 ug/l

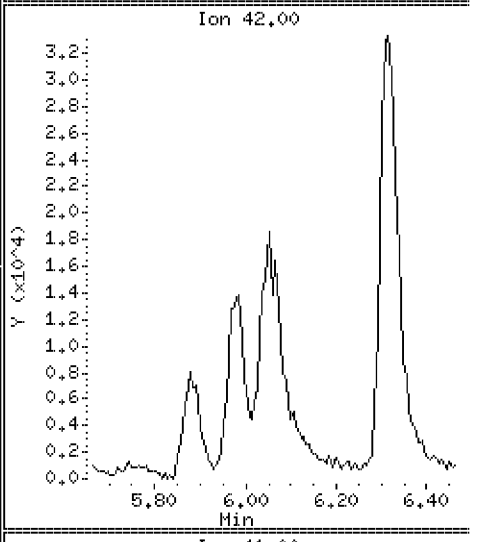


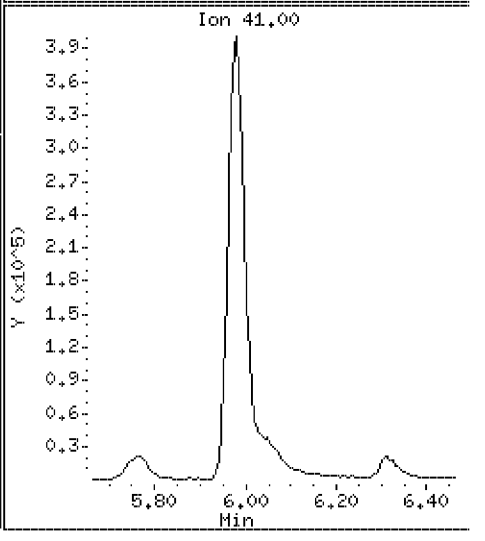












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

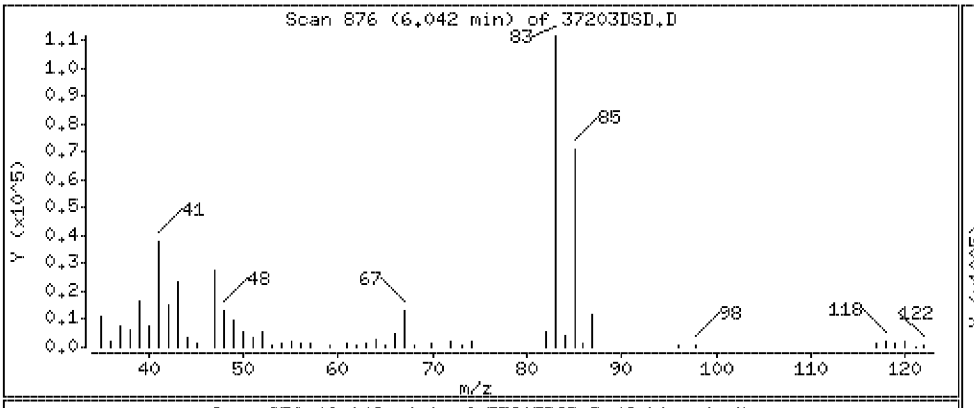
Operator:

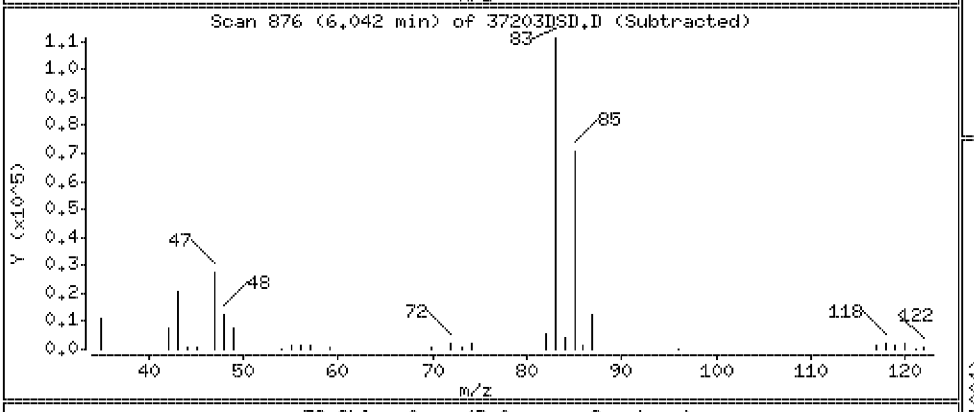
Column phase: DB-624

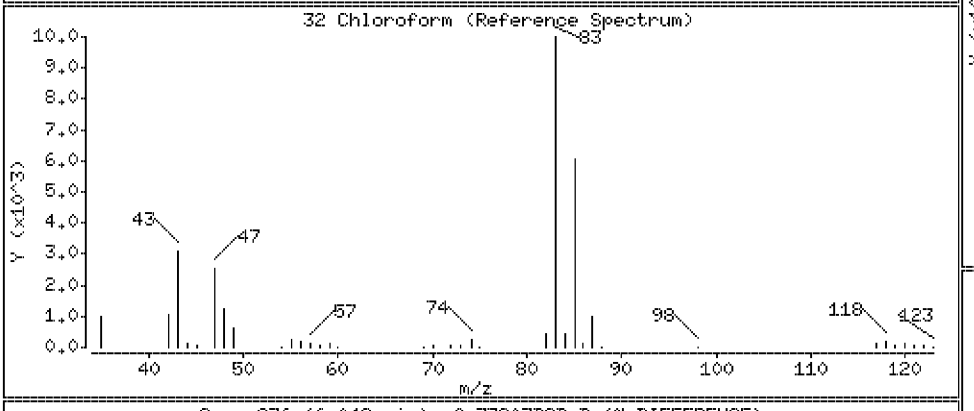
Column diameter: 0.18

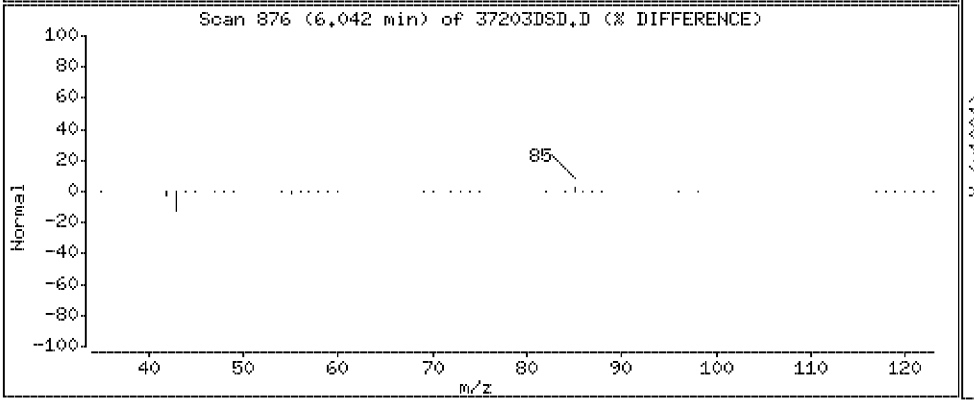
32 Chloroform

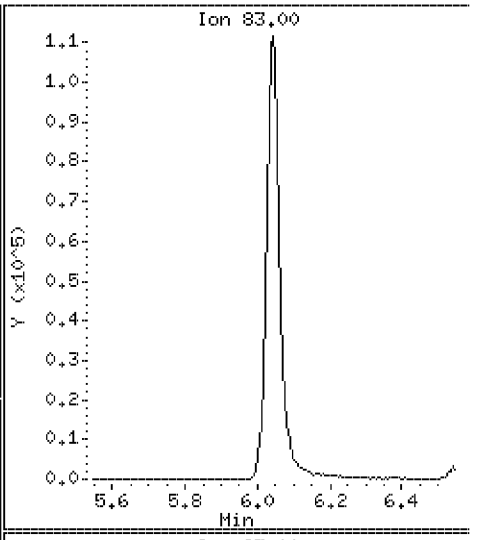
Concentration: 194 ug/l

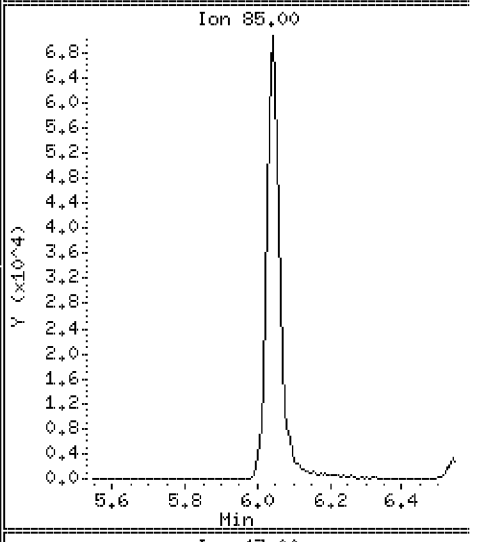


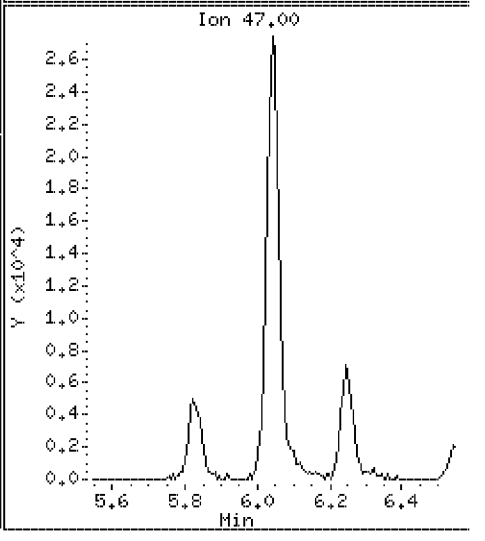












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

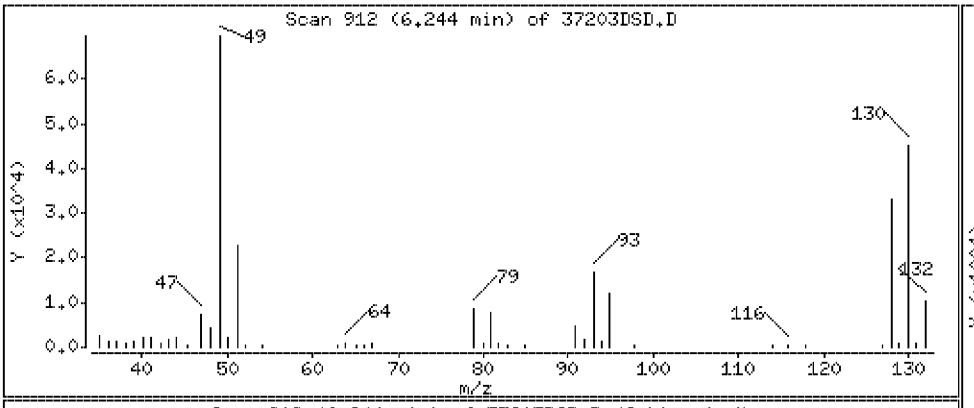
Operator:

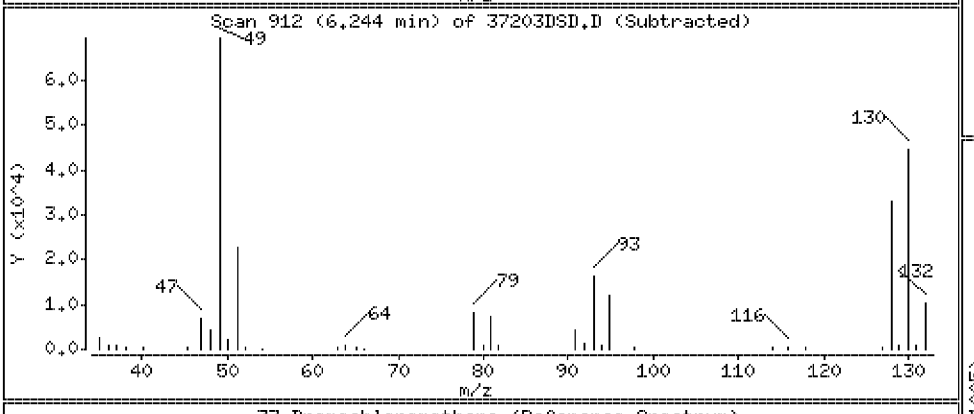
Column phase: DB-624

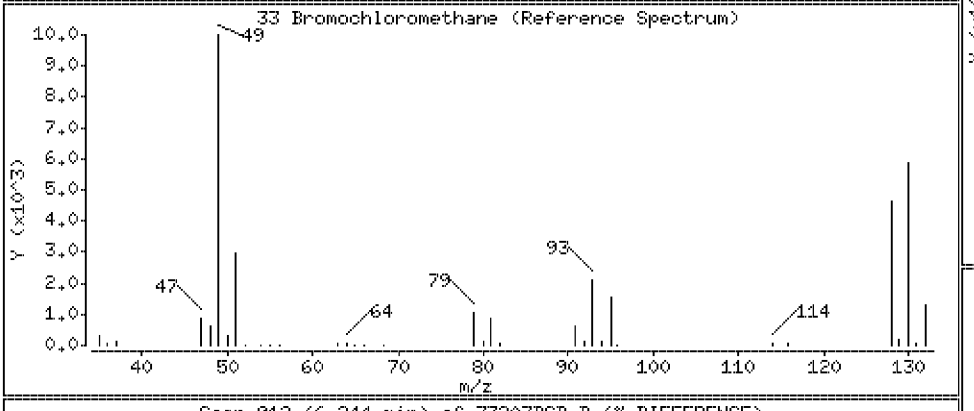
Column diameter: 0.18

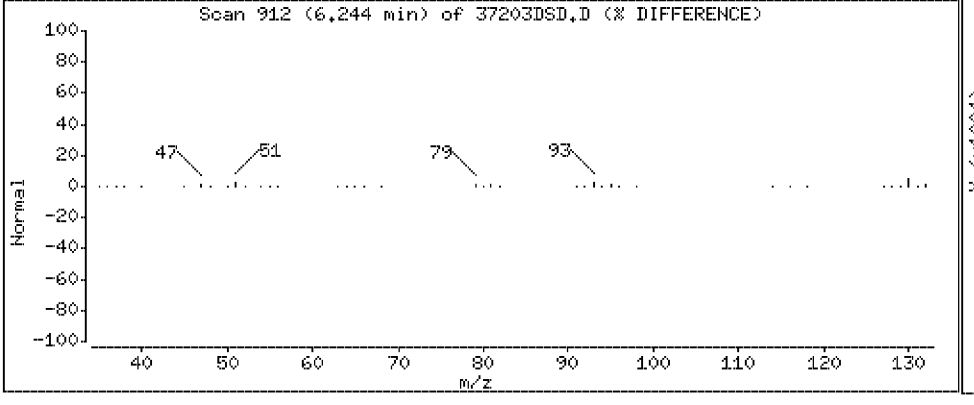
33 Bromochloromethane

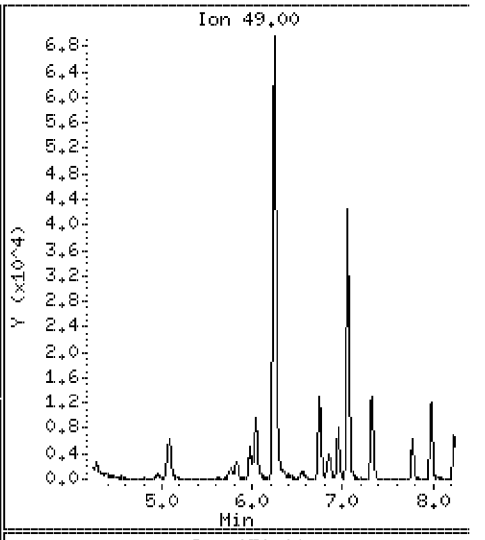
Concentration: 190 ug/l

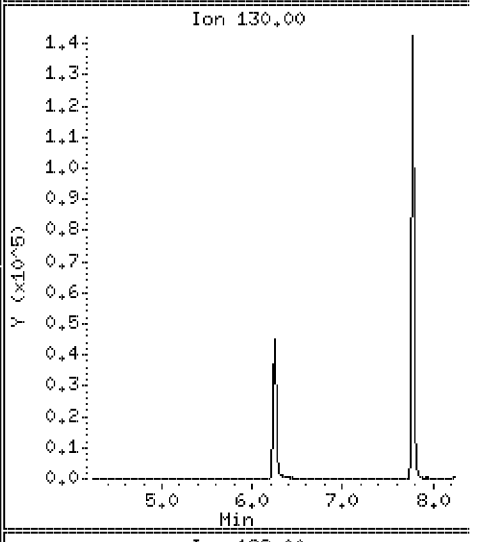


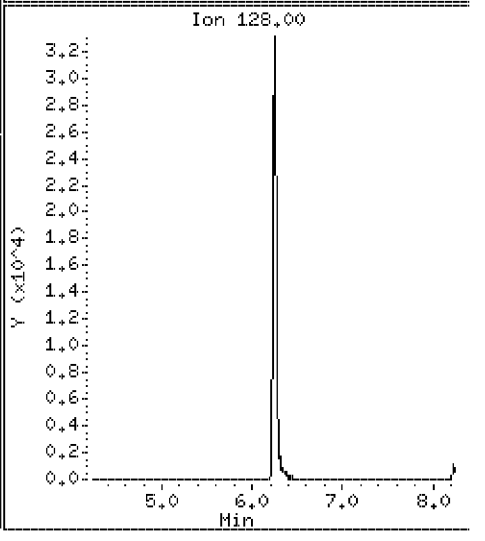












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

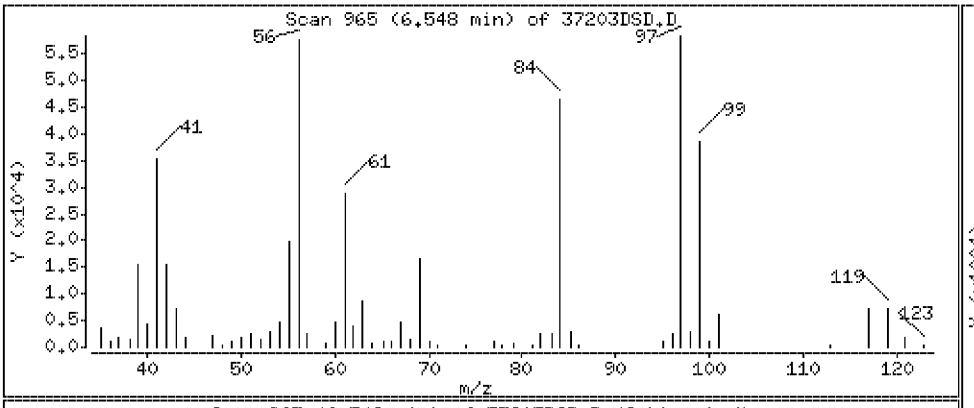
Operator:

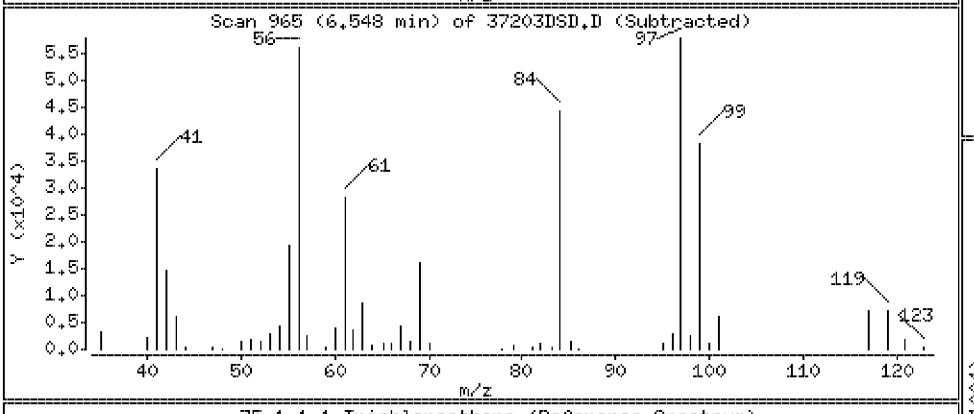
Column phase: DB-624

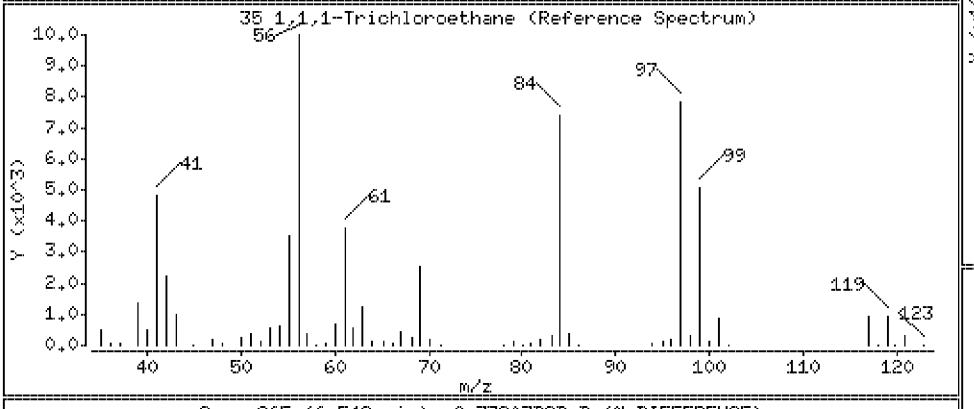
Column diameter: 0.18

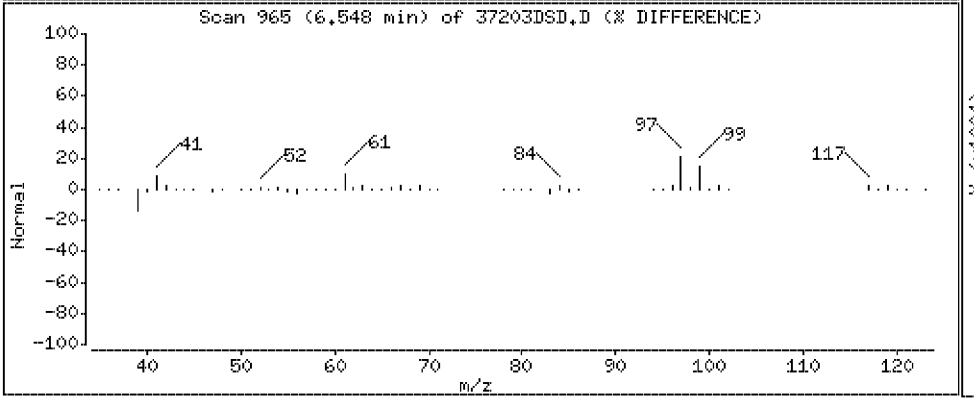
35 1,1,1-Trichloroethane

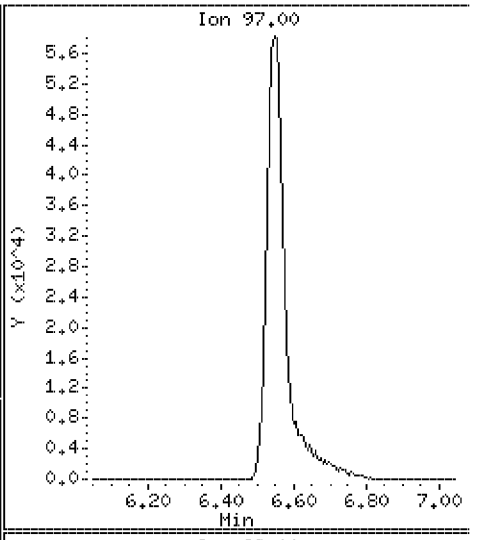
Concentration: 207 ug/l

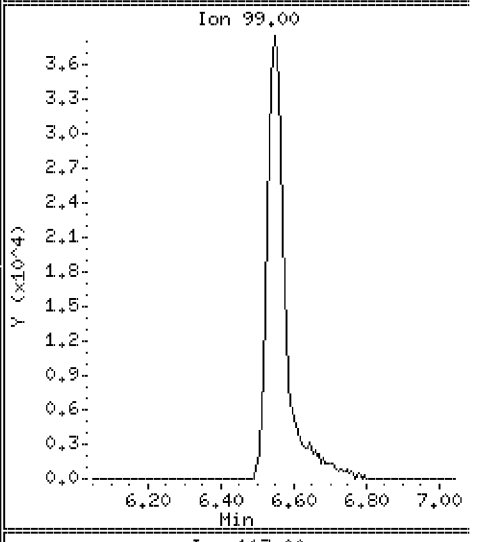


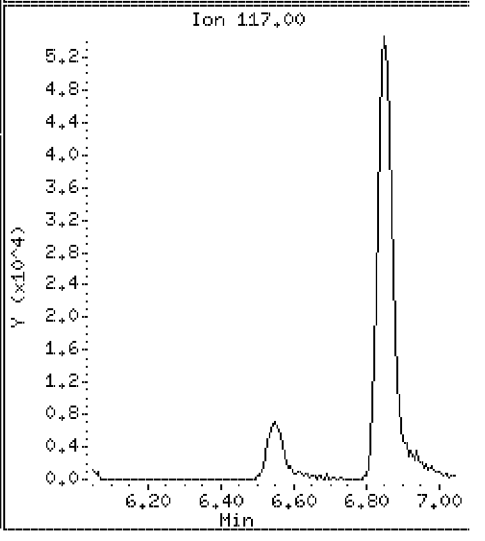












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

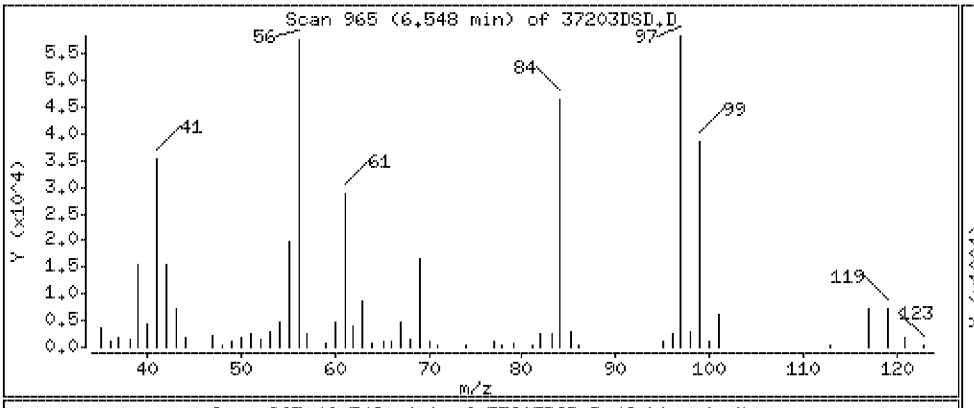
Operator:

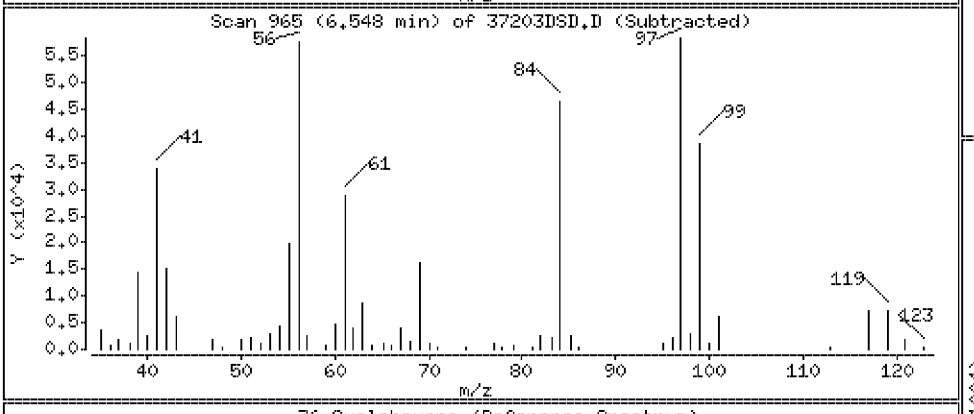
Column phase: DB-624

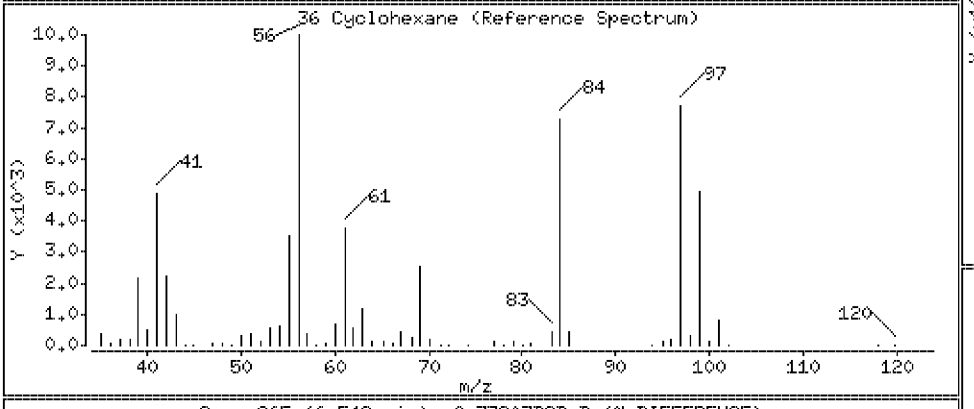
Column diameter: 0.18

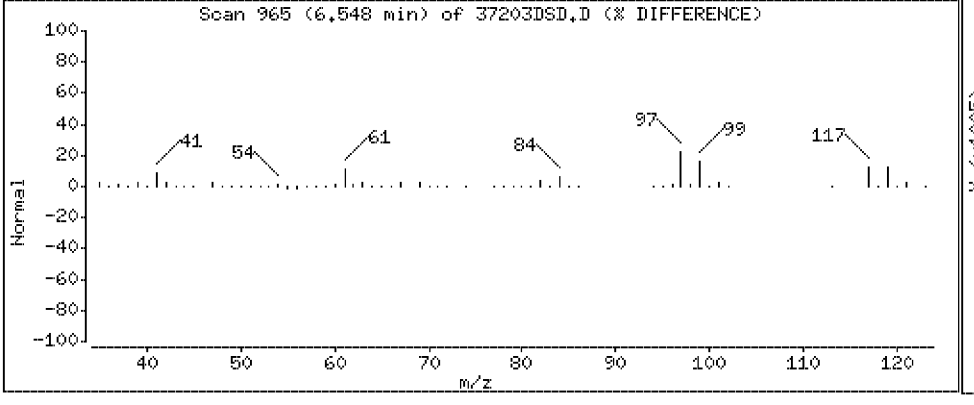
36 Cyclohexane

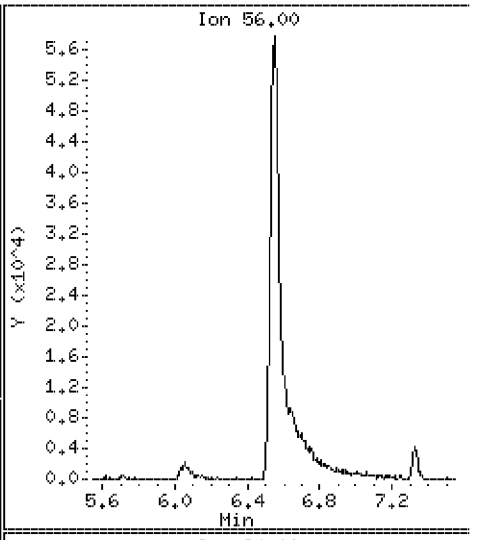
Concentration: 187 ug/l

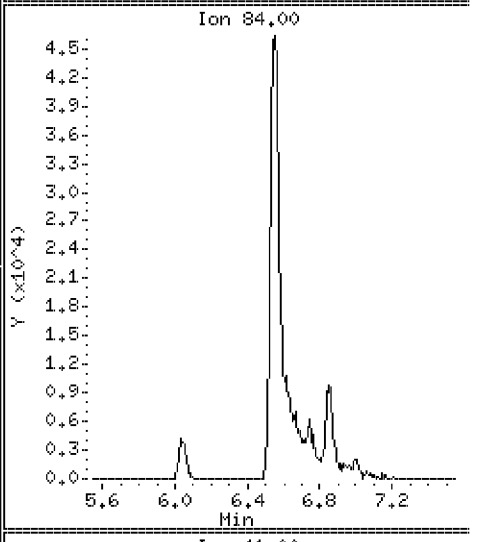


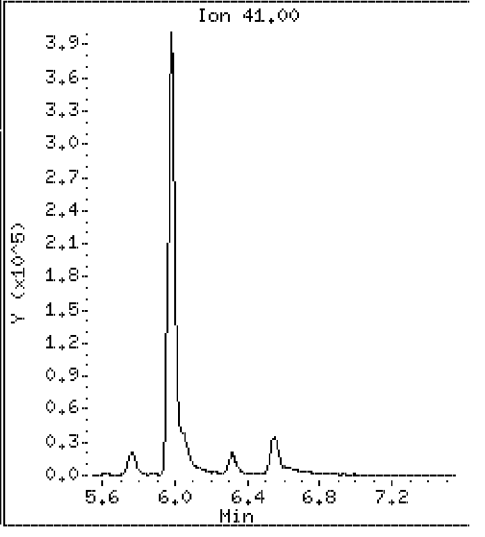












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

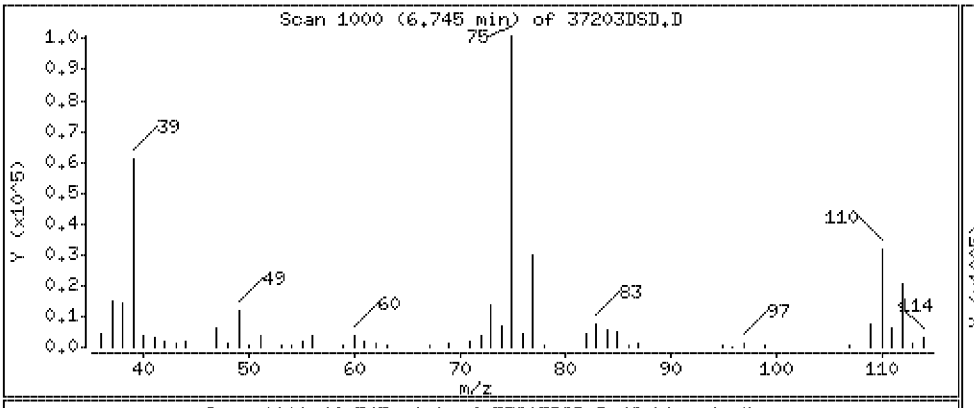
Operator:

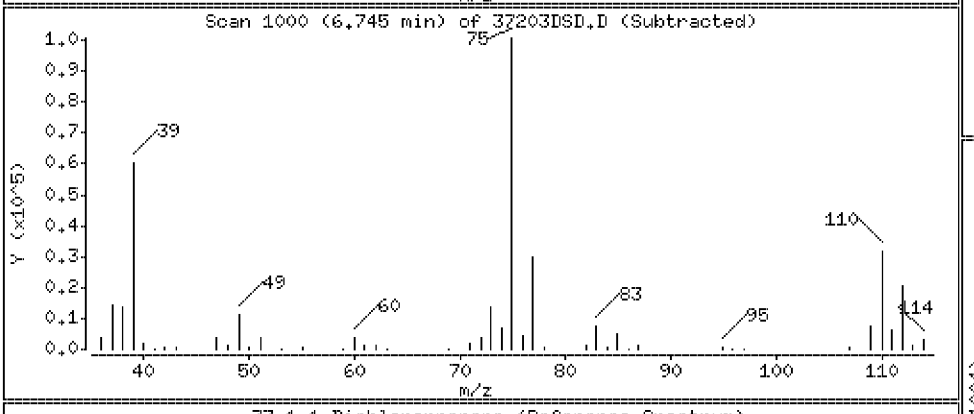
Column phase: DB-624

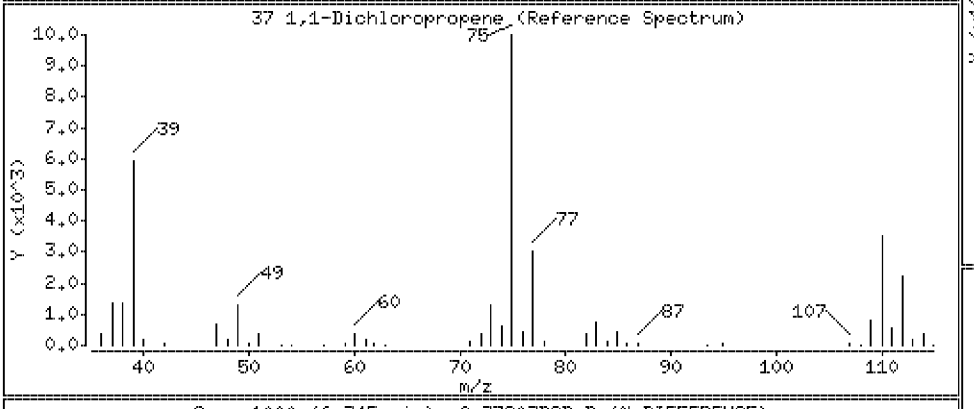
Column diameter: 0.18

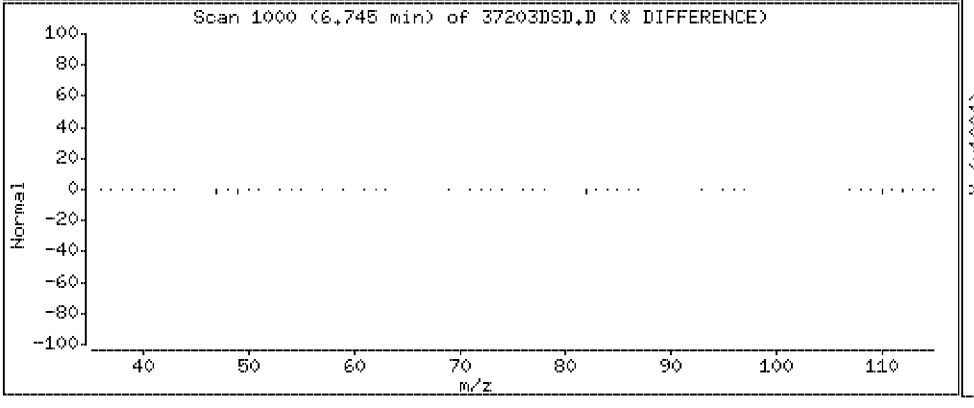
37 1,1-Dichloropropene

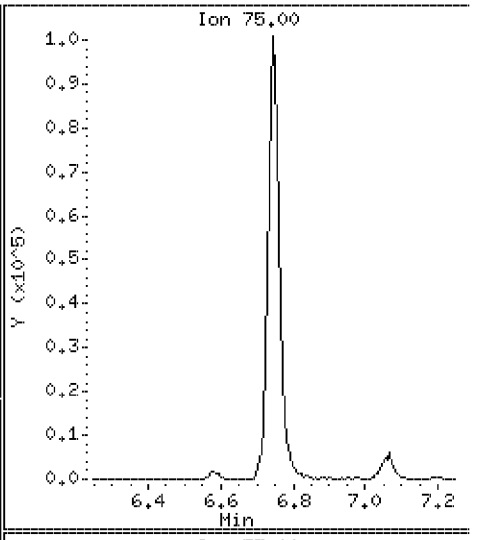
Concentration: 195 ug/l

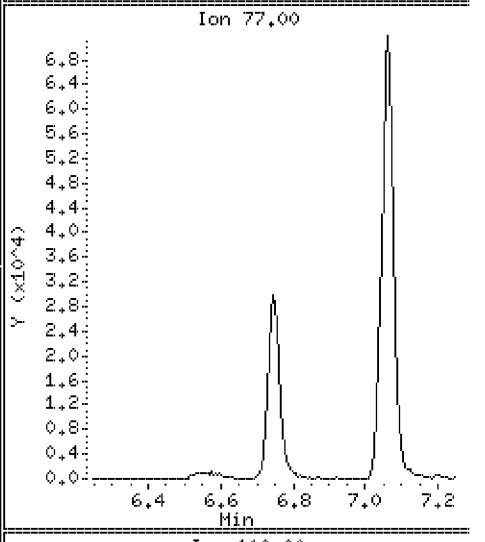


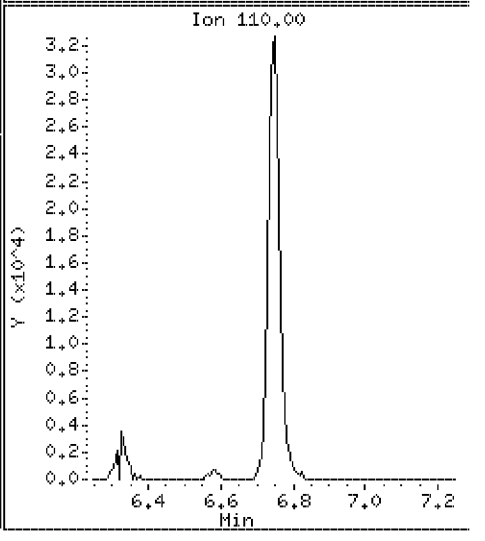












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

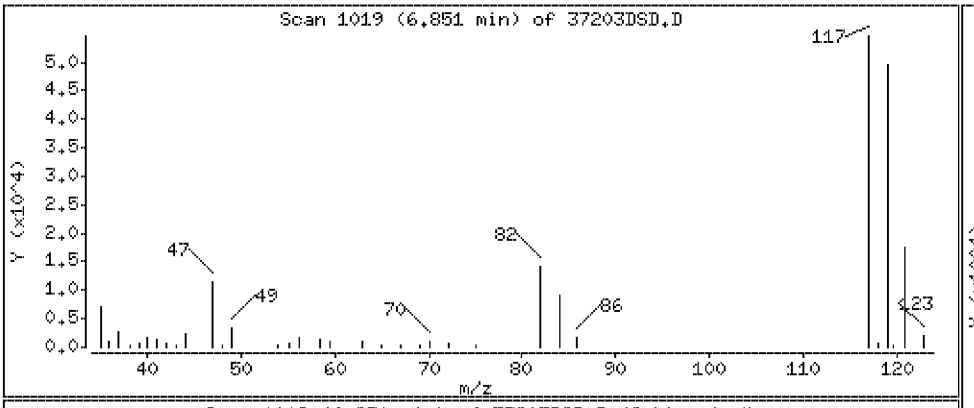
Operator:

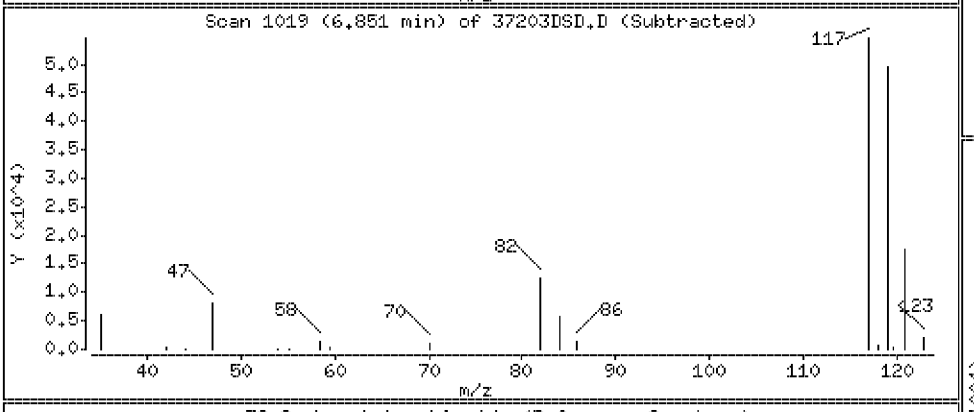
Column phase: DB-624

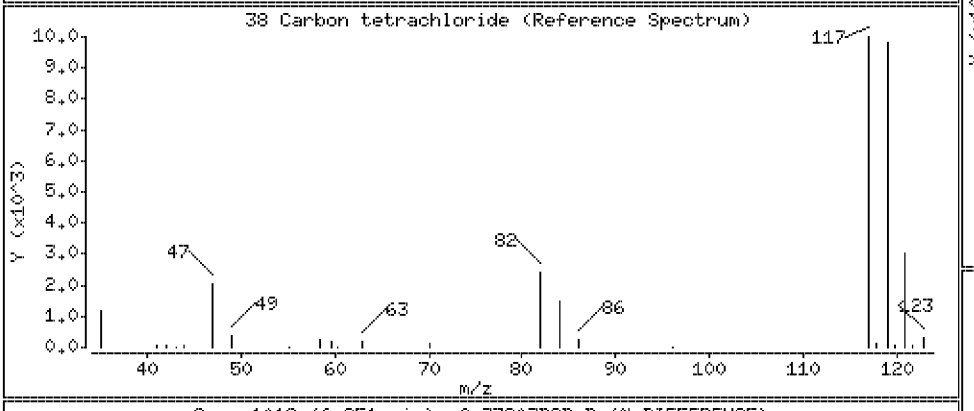
Column diameter: 0.18

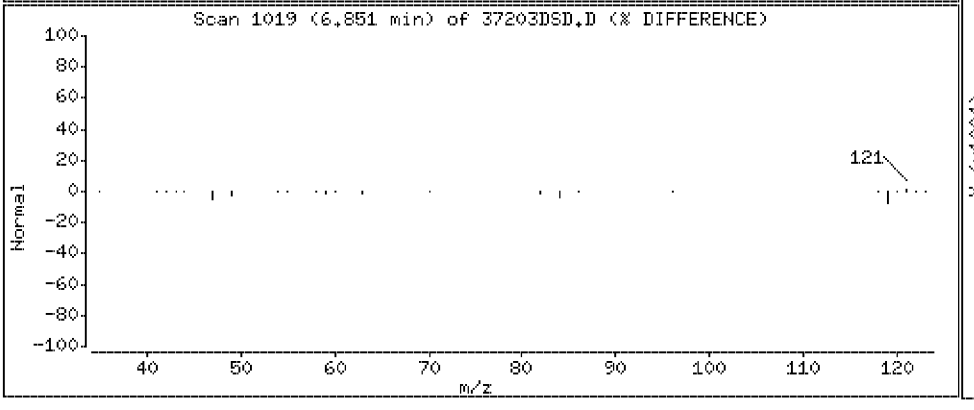
38 Carbon tetrachloride

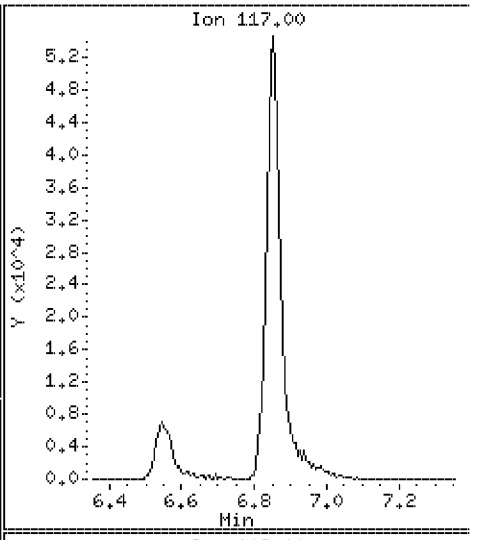
Concentration: 203 ug/l

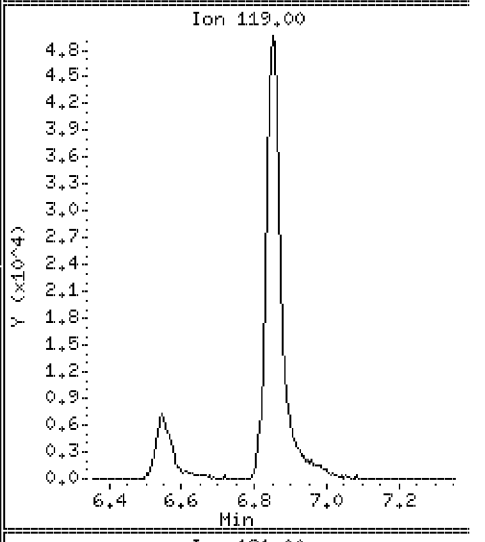


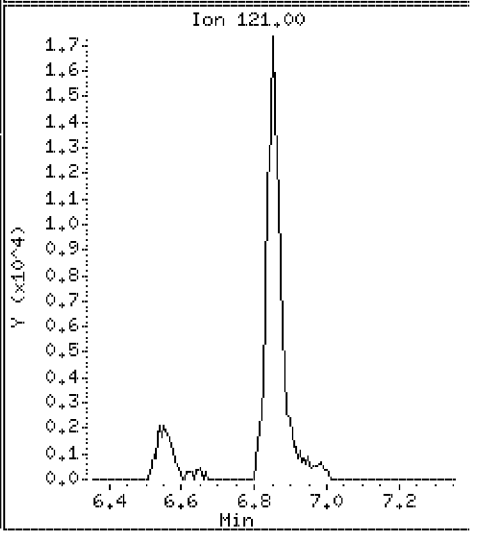












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

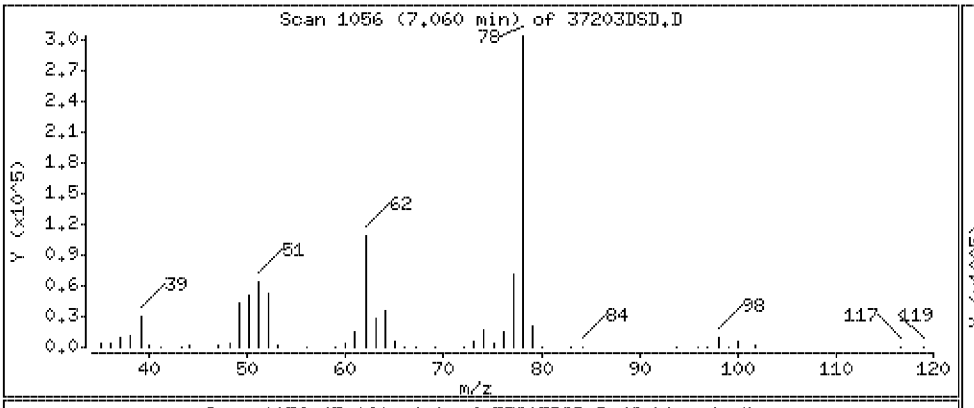
Operator:

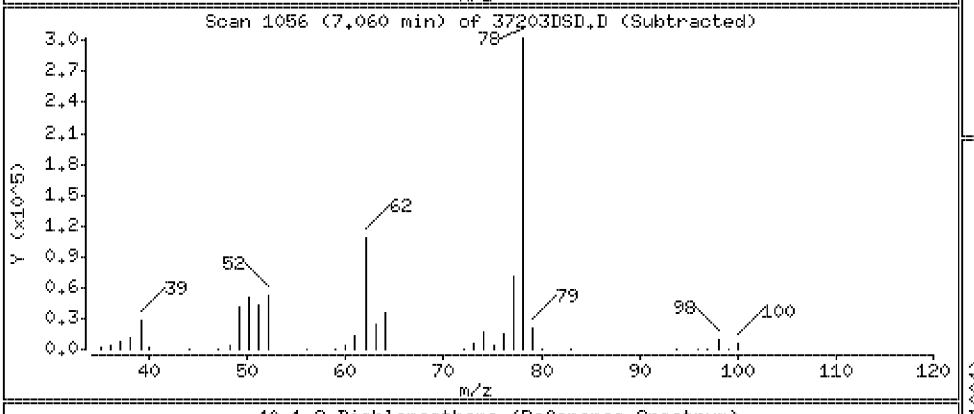
Column phase: DB-624

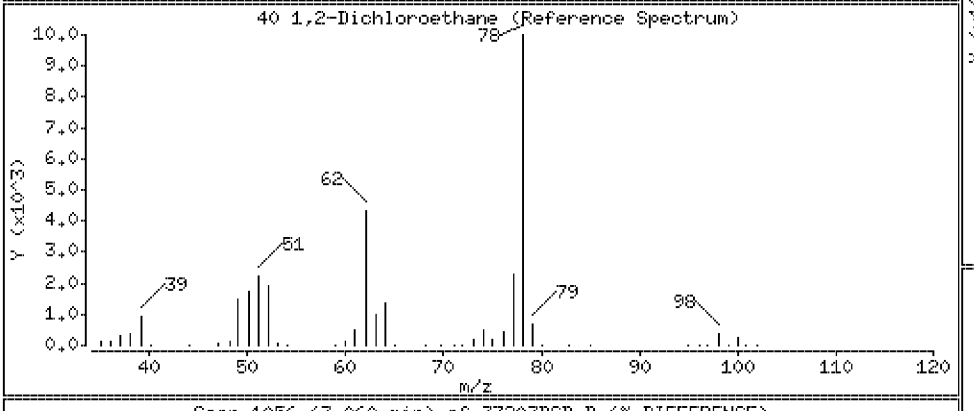
Column diameter: 0.18

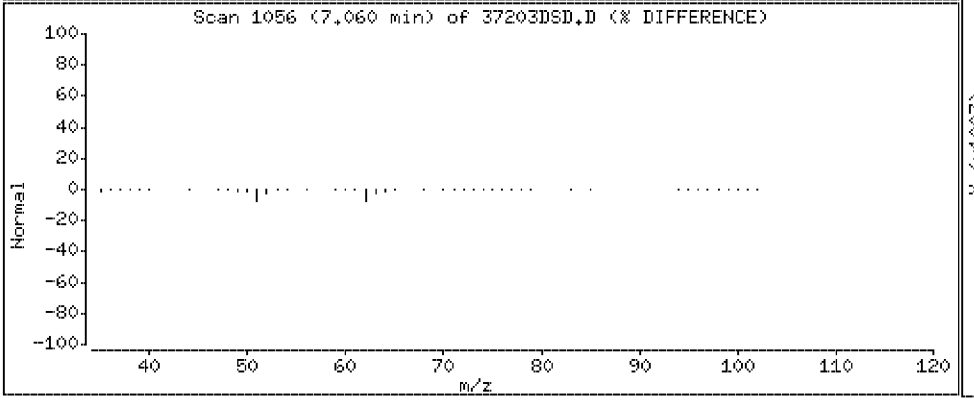
40 1,2-Dichloroethane

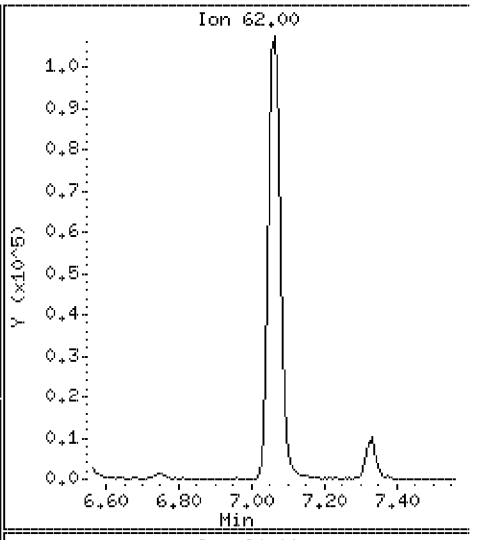
Concentration: 190 ug/l

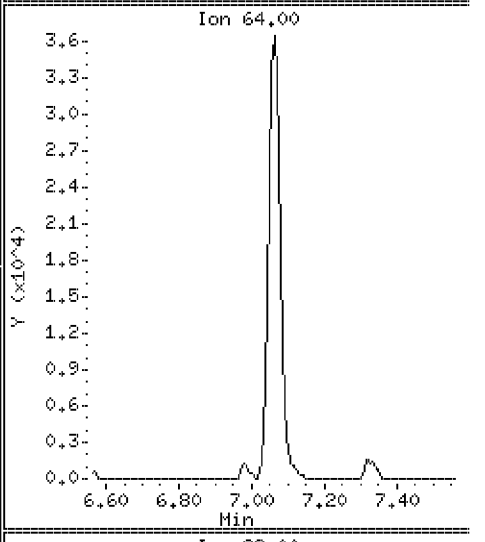


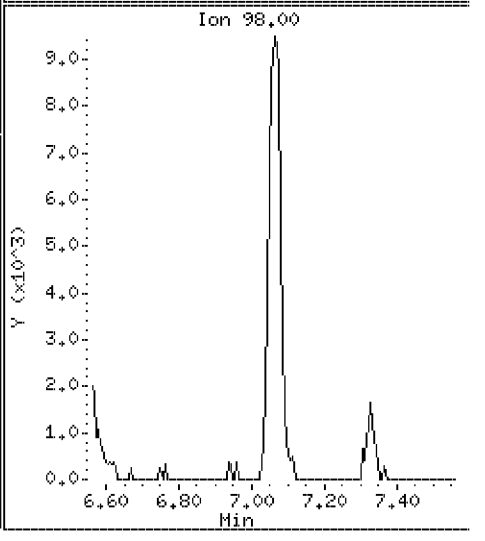












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

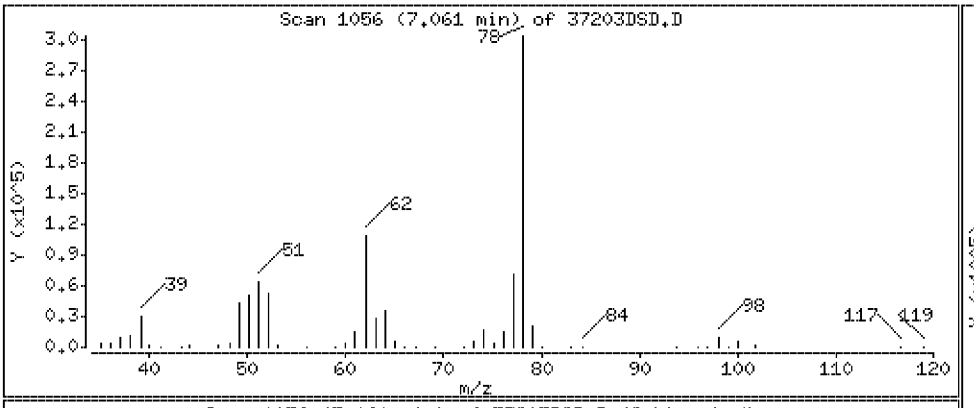
Operator:

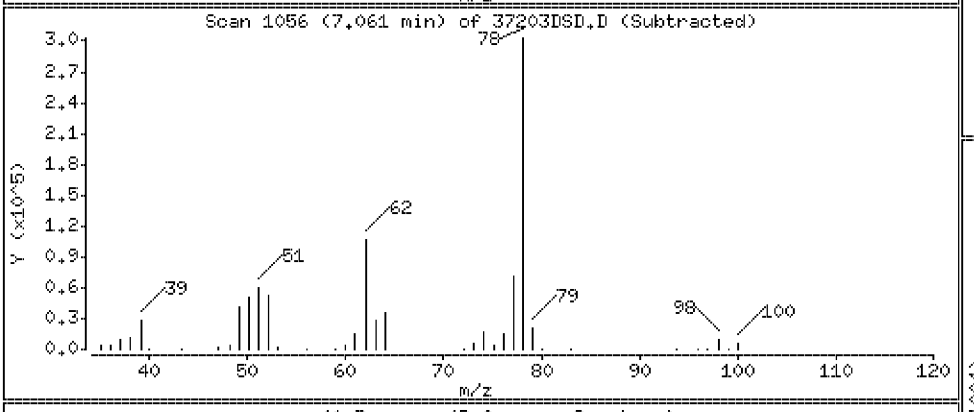
Column phase: DB-624

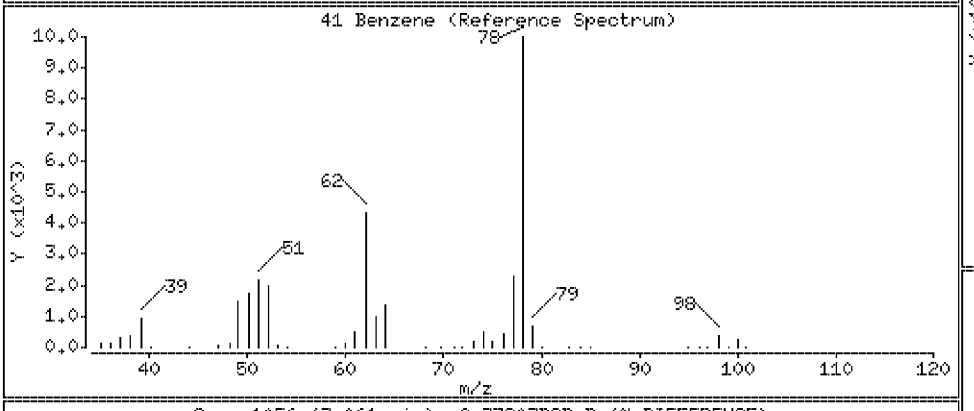
Column diameter: 0.18

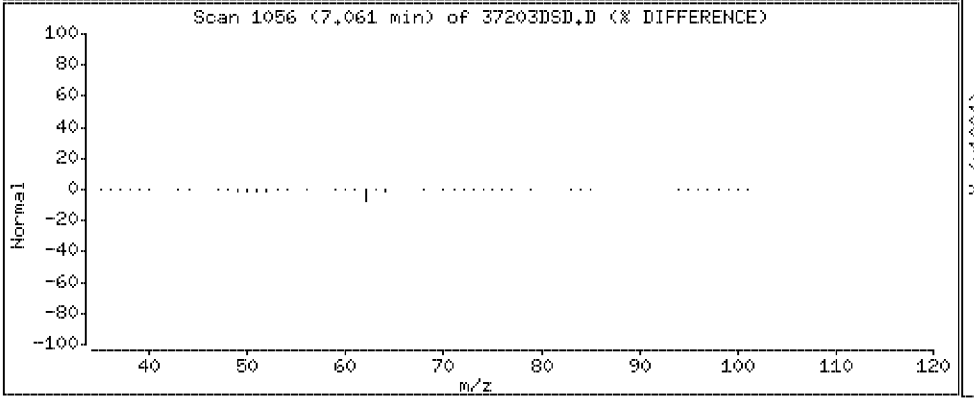
41 Benzene

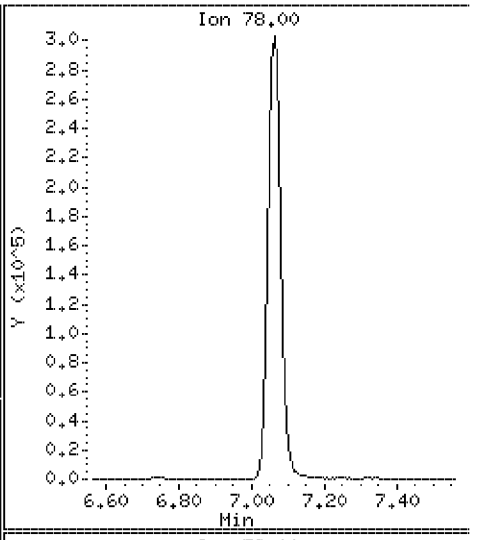
Concentration: 185 ug/l

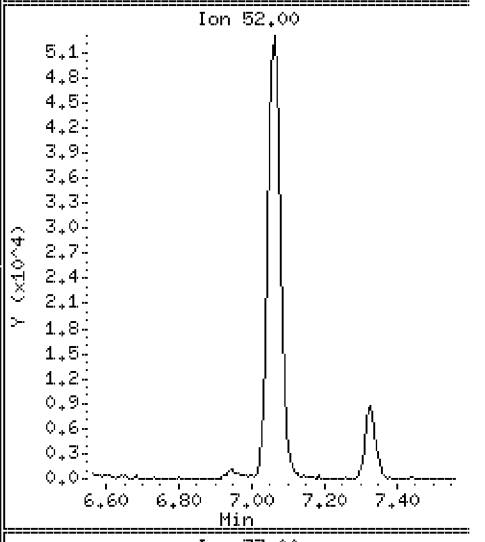


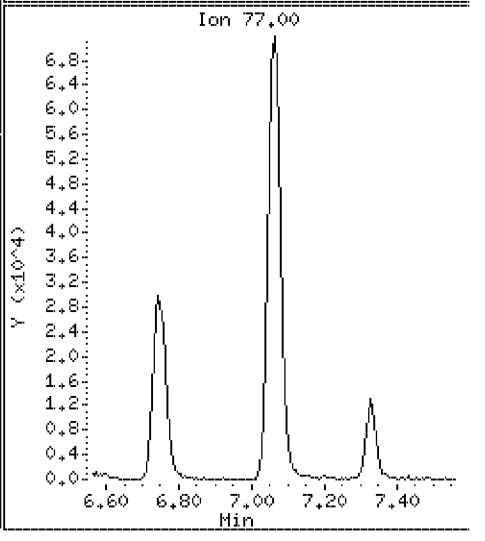












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

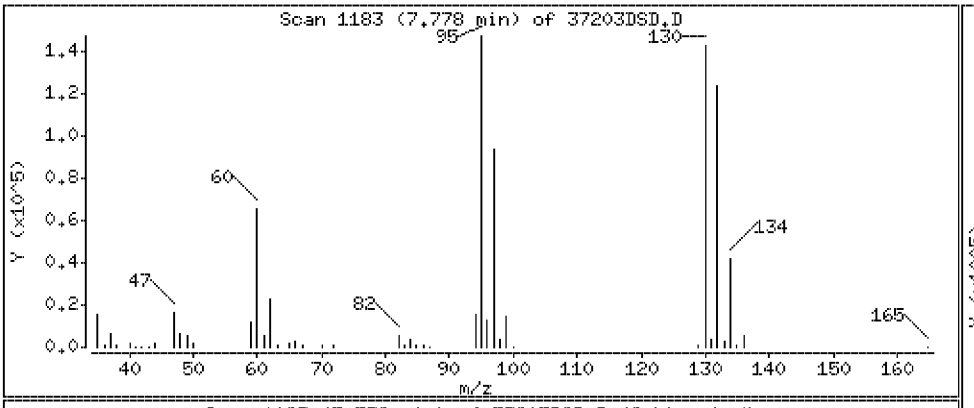
Operator:

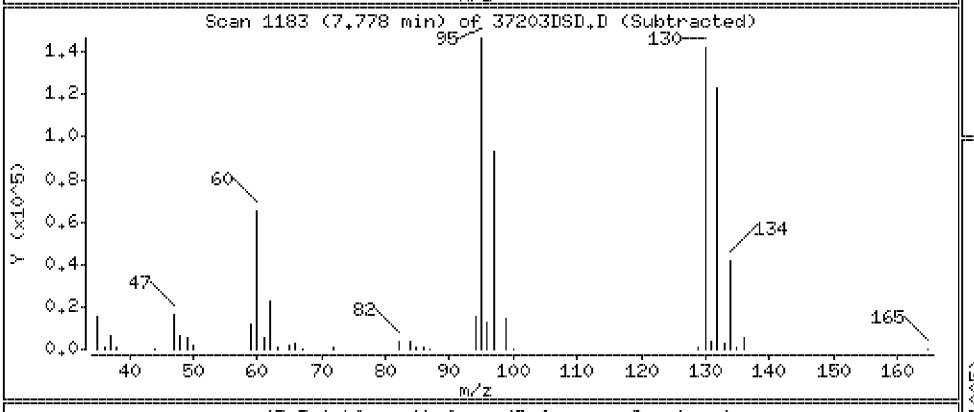
Column phase: DB-624

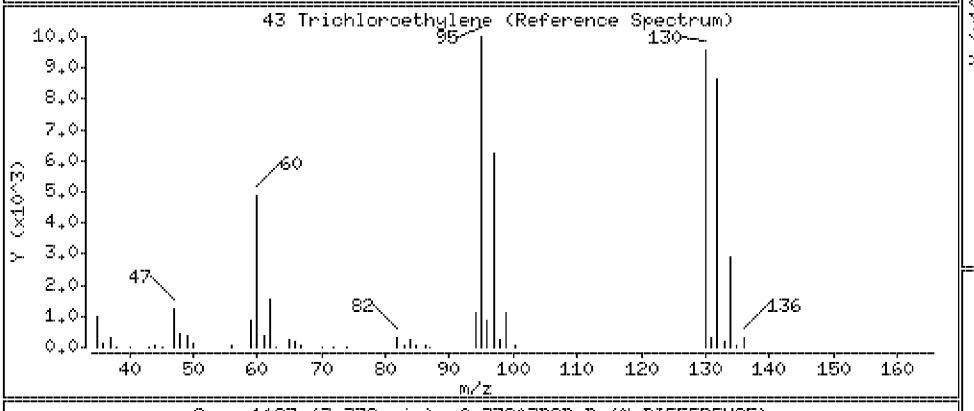
Column diameter: 0.18

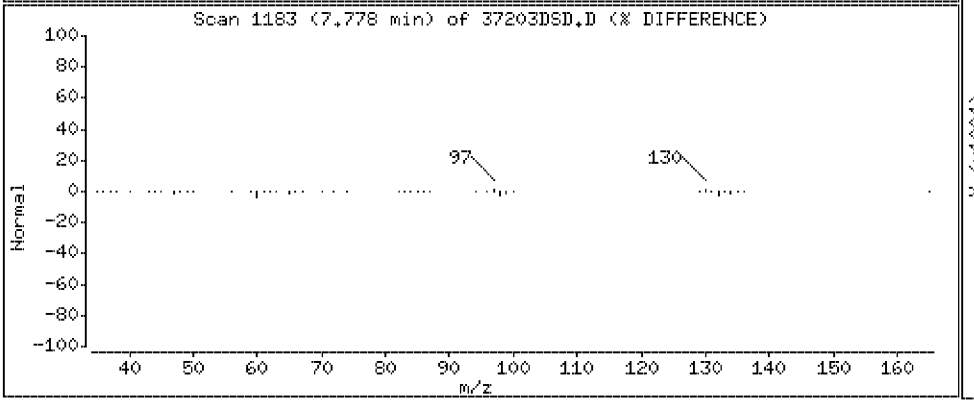
43 Trichloroethylene

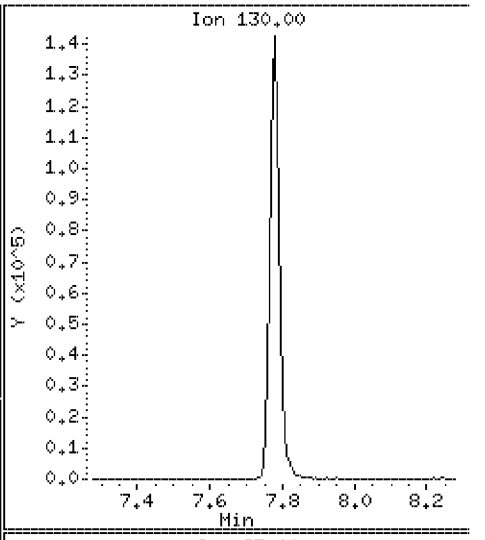
Concentration: 334 ug/l

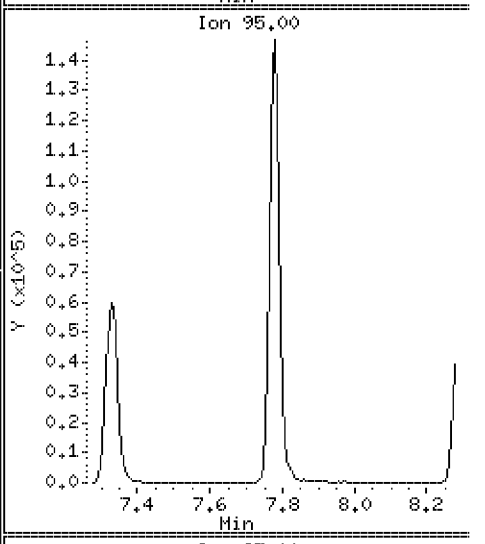


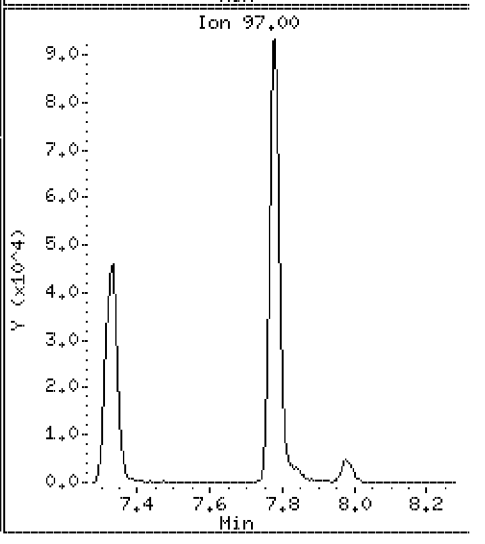












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

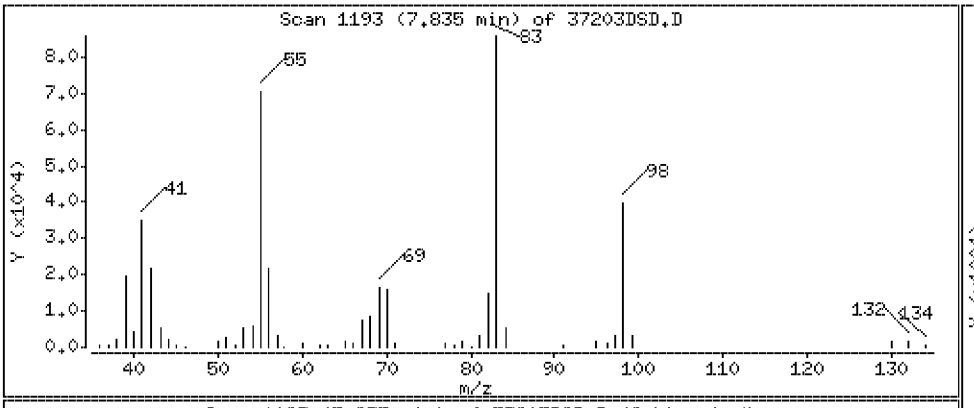
Operator:

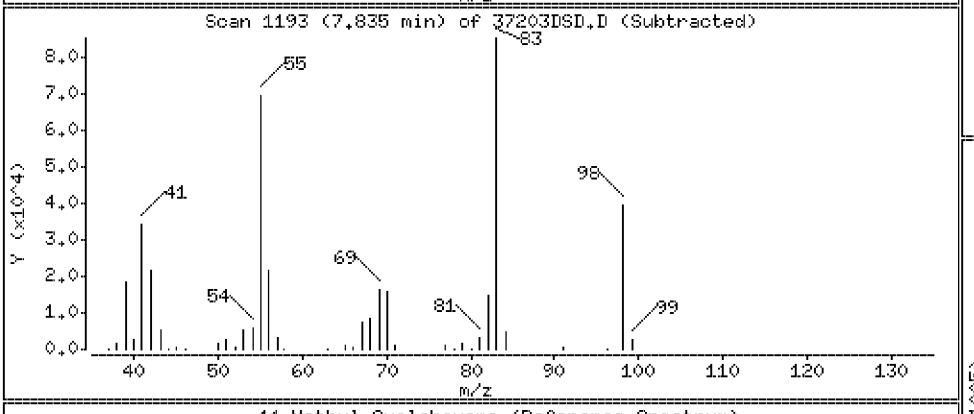
Column phase: DB-624

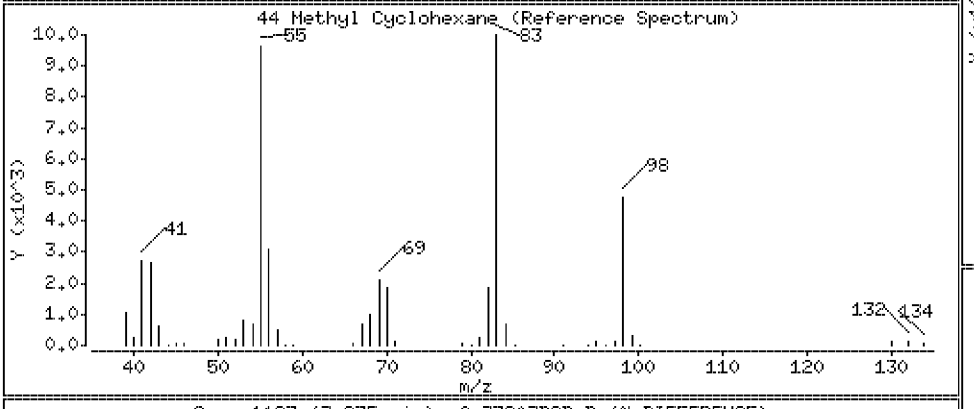
Column diameter: 0.18

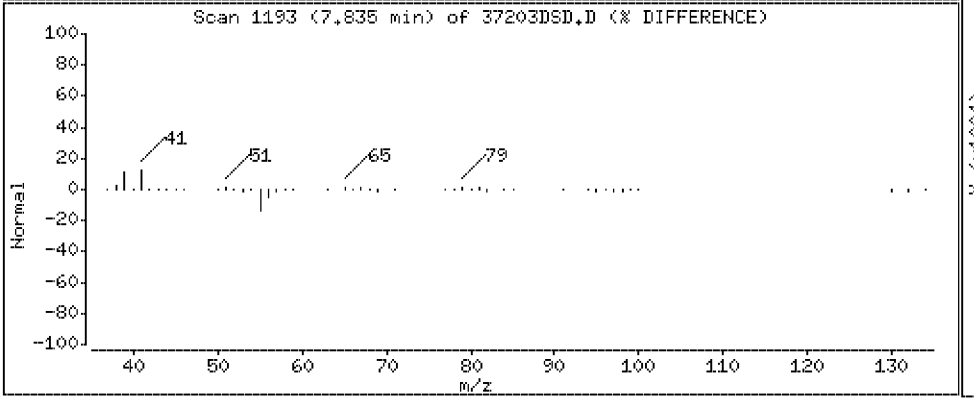
44 Methyl Cyclohexane

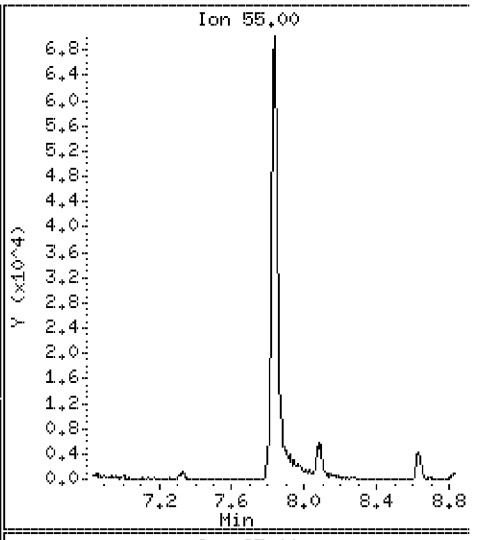
Concentration: 182 ug/l

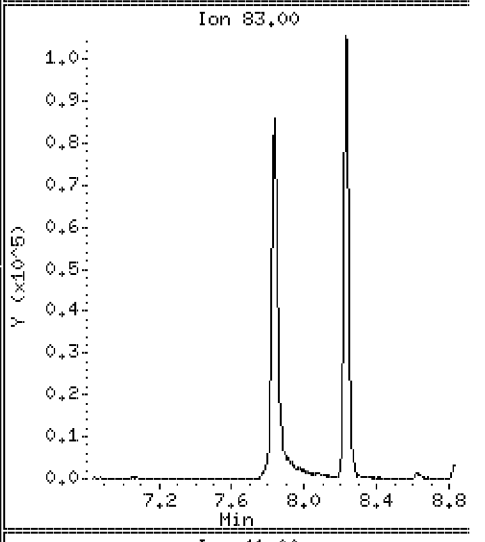


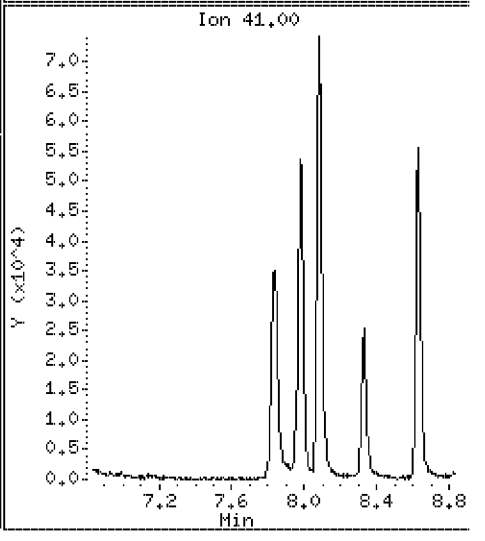












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

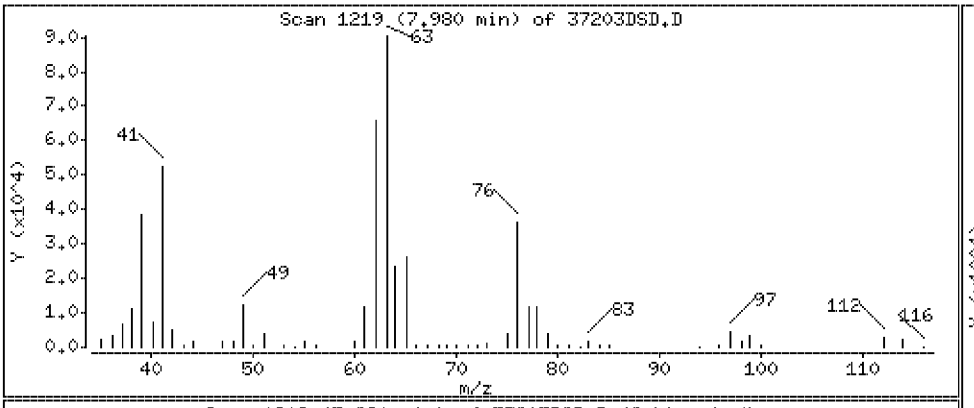
Operator:

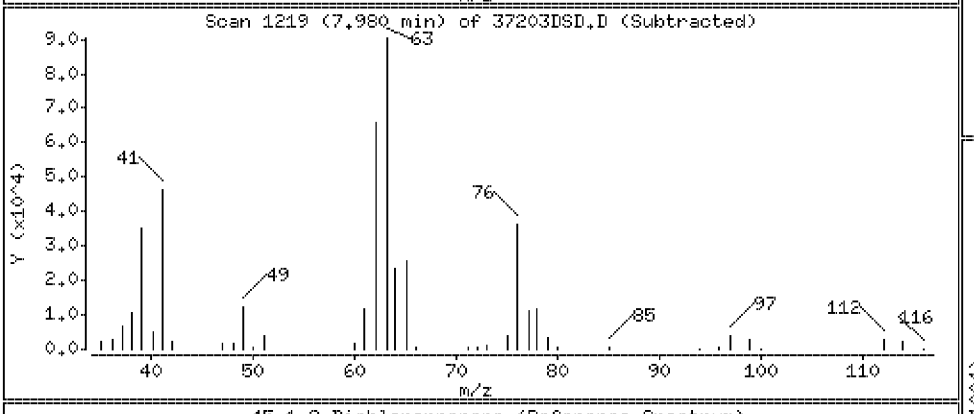
Column phase: DB-624

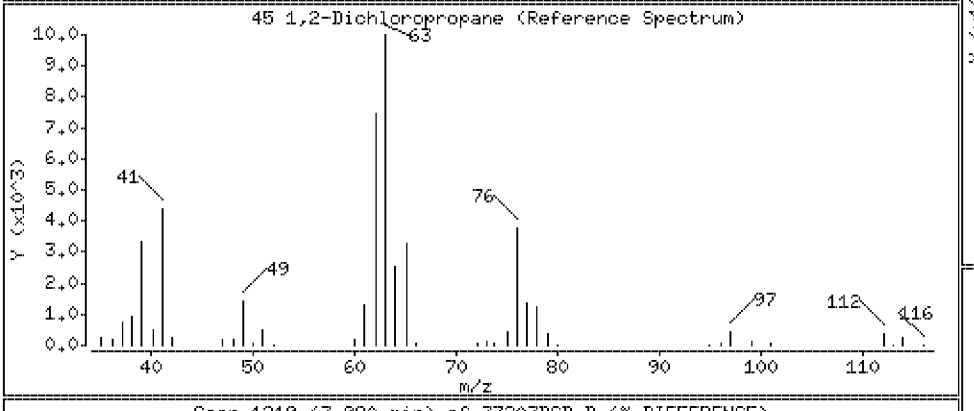
Column diameter: 0.18

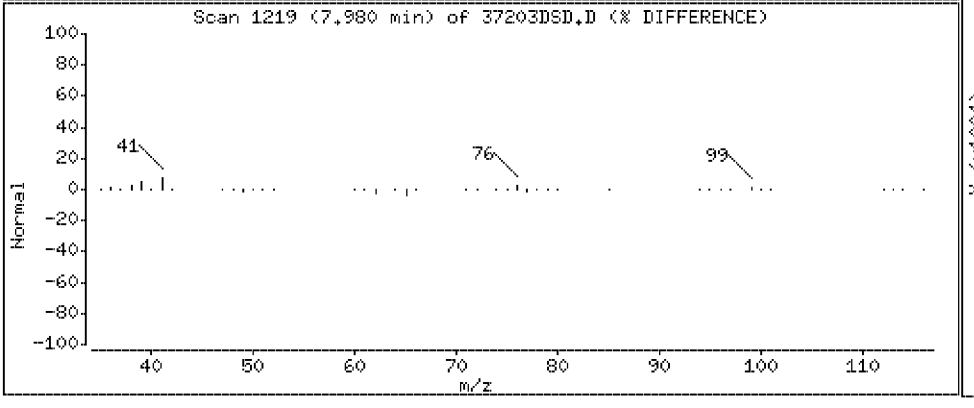
45 1,2-Dichloropropane

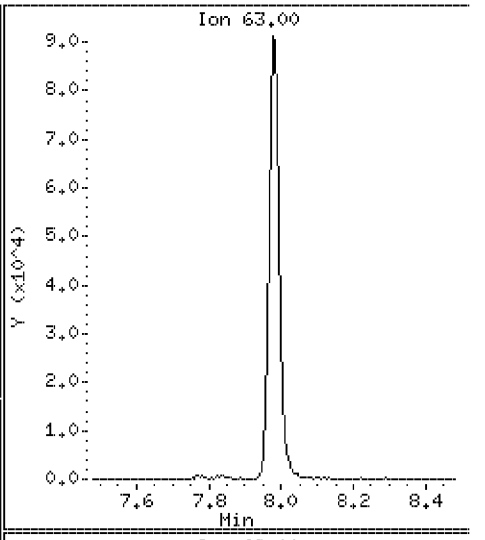
Concentration: 196 ug/l

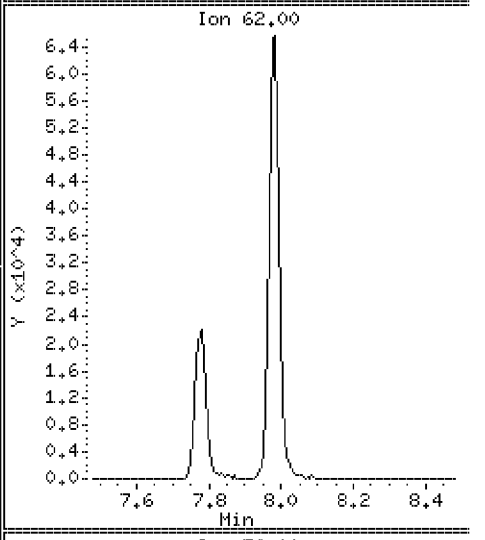


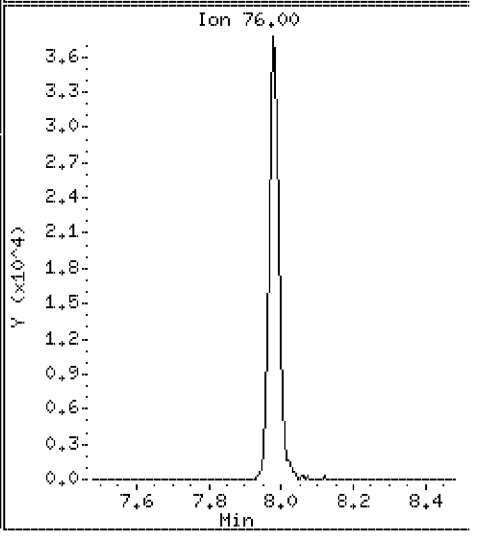












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

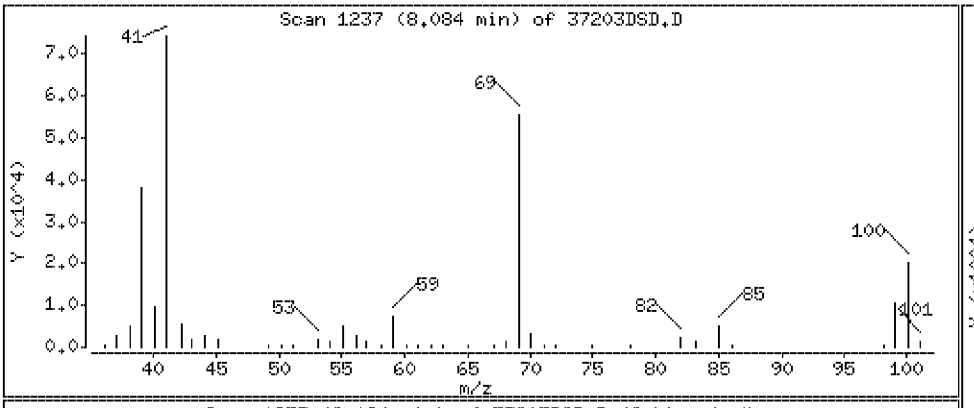
Client ID: TO05MW40AMSD | Instrument: vms03.i

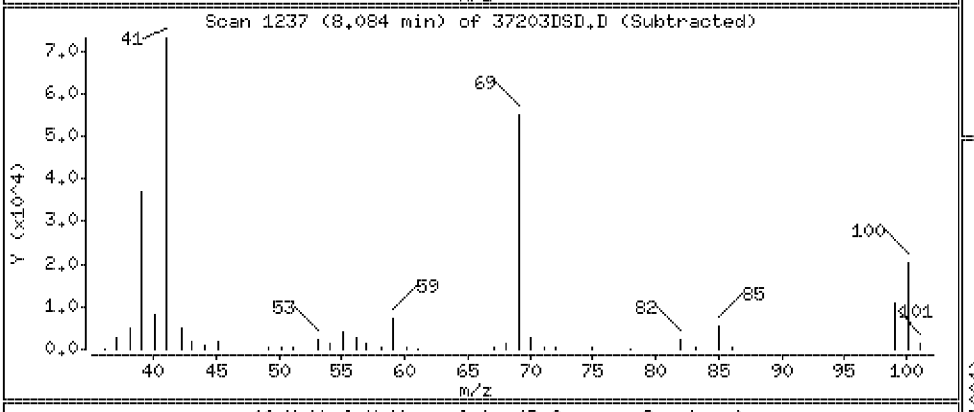
Sample Info: 250737203;2507372;10;

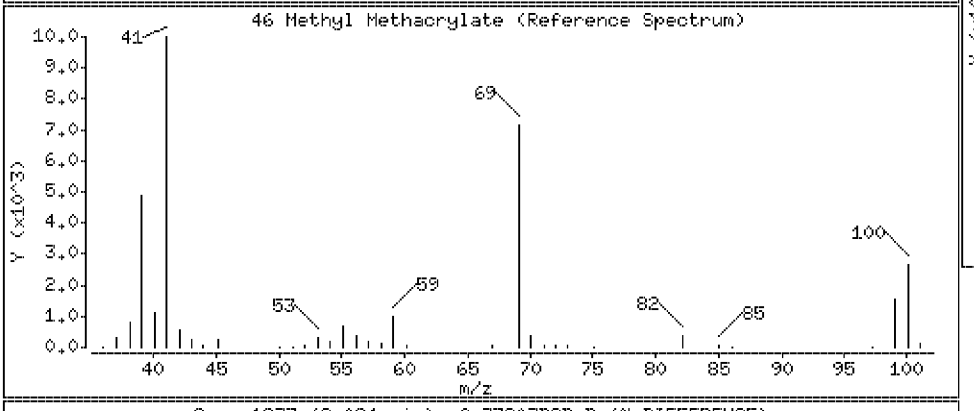
Purge Volume: 5.0 | Operator:

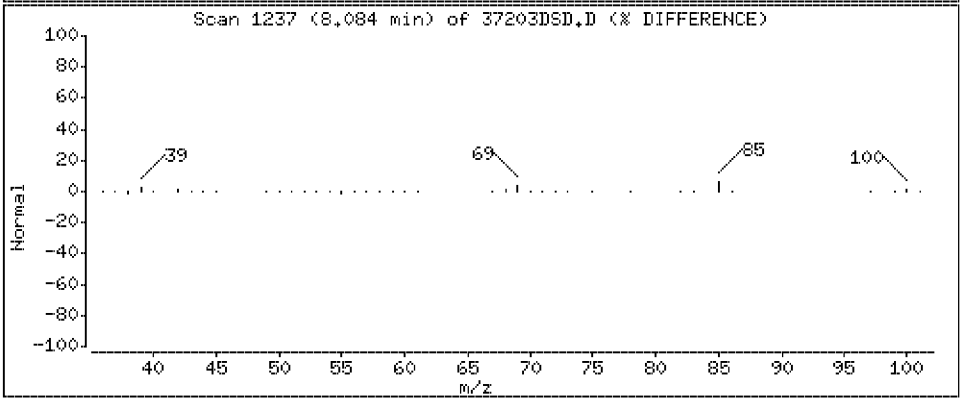
Column phase: DB-624 | Column diameter: 0.18

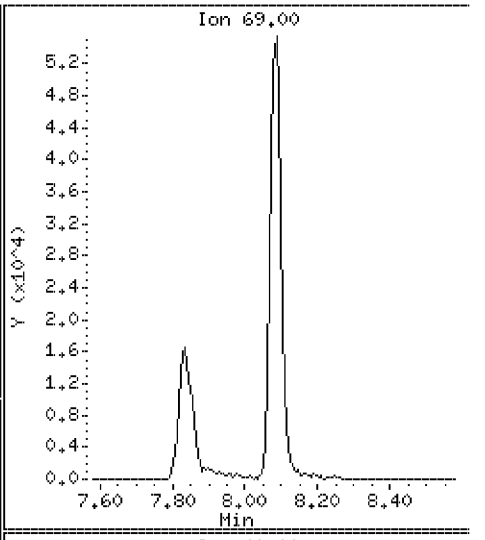
46 Methyl Methacrylate | Concentration: 196 ug/l

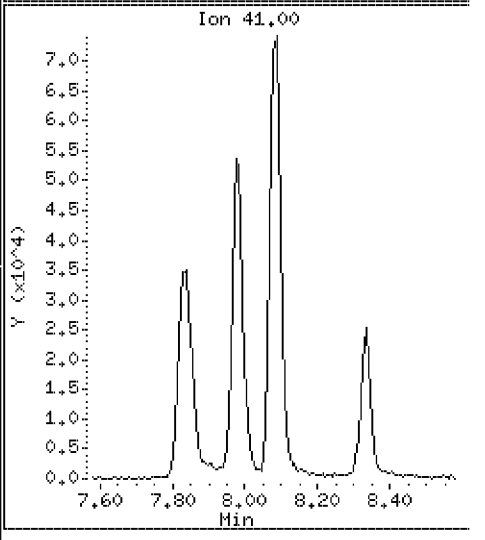












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

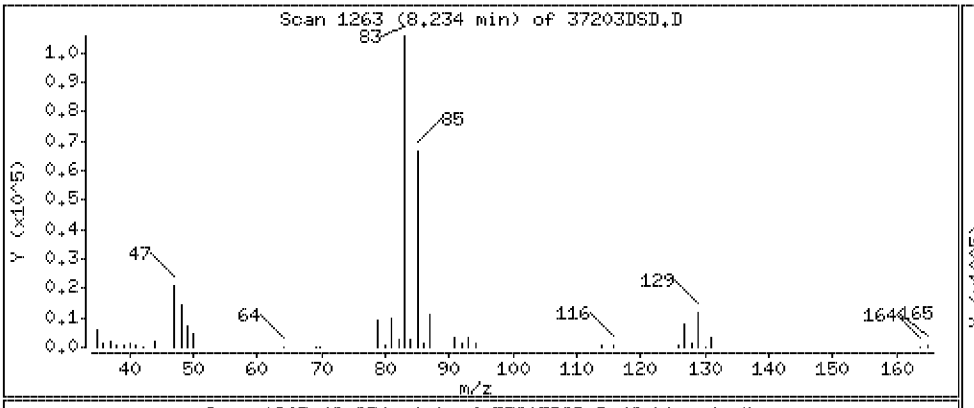
Client ID: TO05MW40AMSD | Instrument: vms03.i

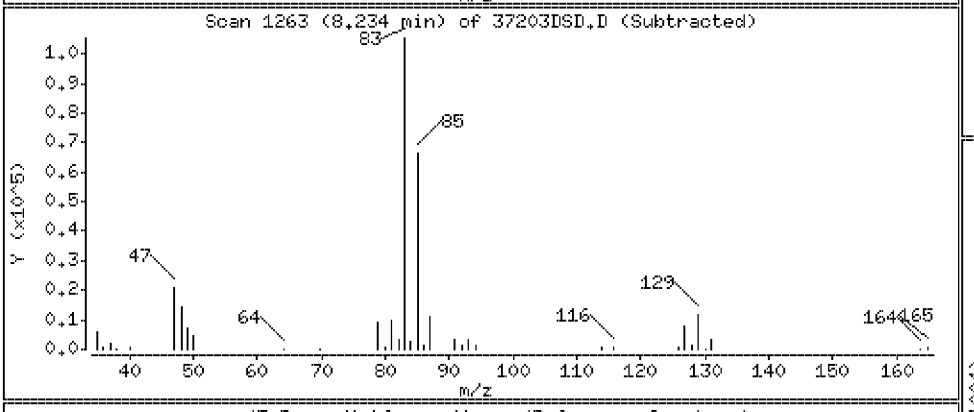
Sample Info: 250737203;2507372;10;

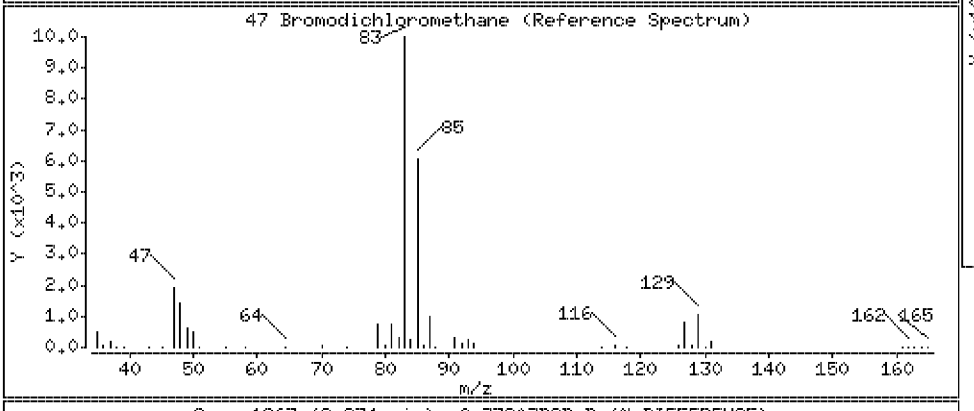
Purge Volume: 5.0 | Operator:

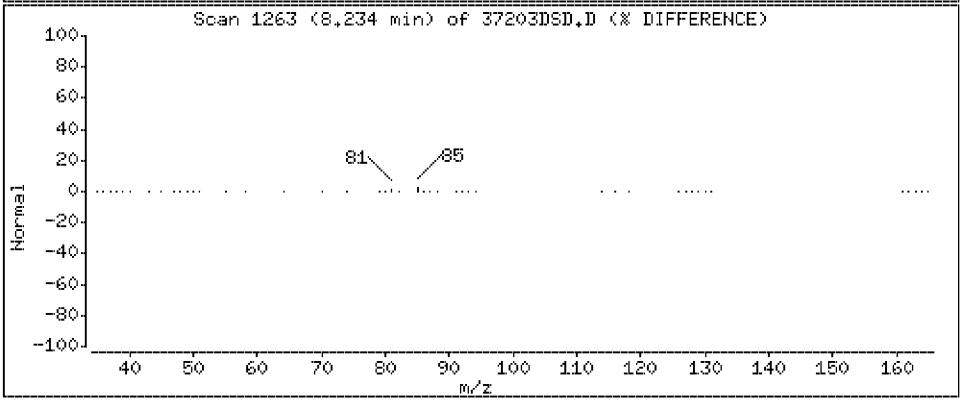
Column phase: DB-624 | Column diameter: 0.18

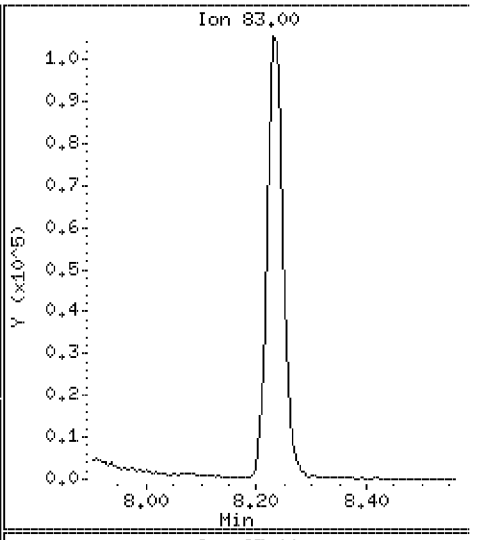
47 Bromodichloromethane | Concentration: 188 ug/l

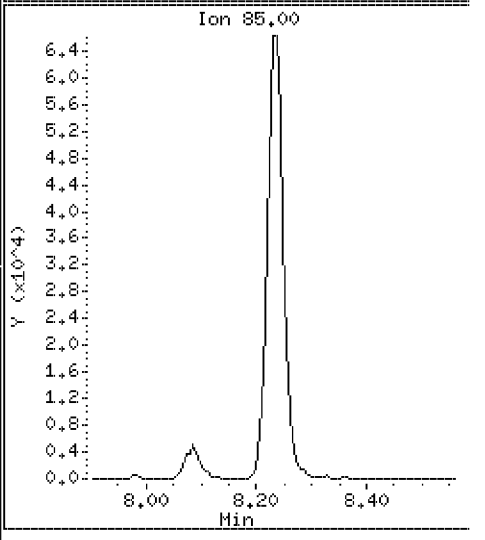












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

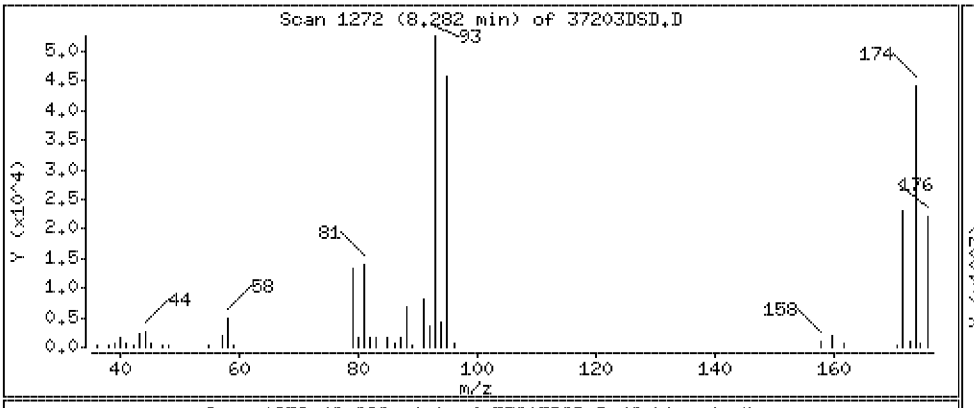
Operator:

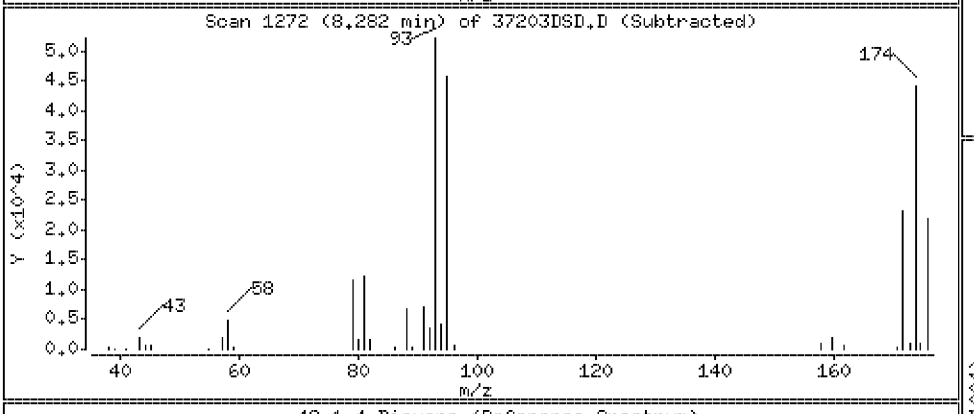
Column phase: DB-624

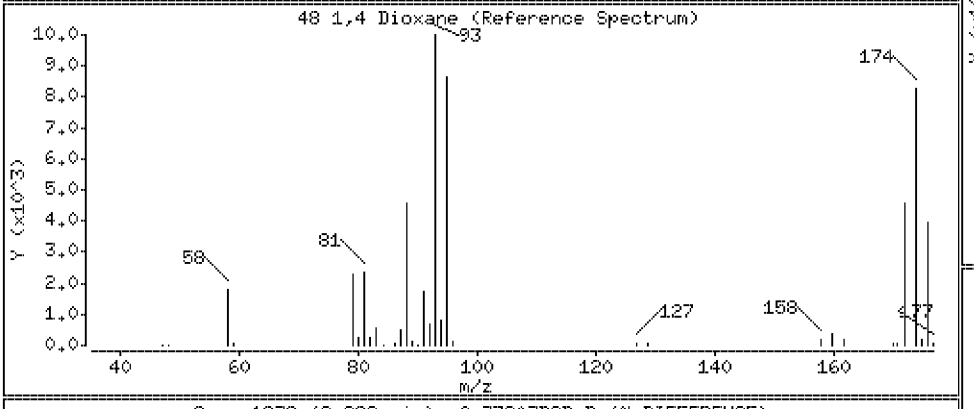
Column diameter: 0.18

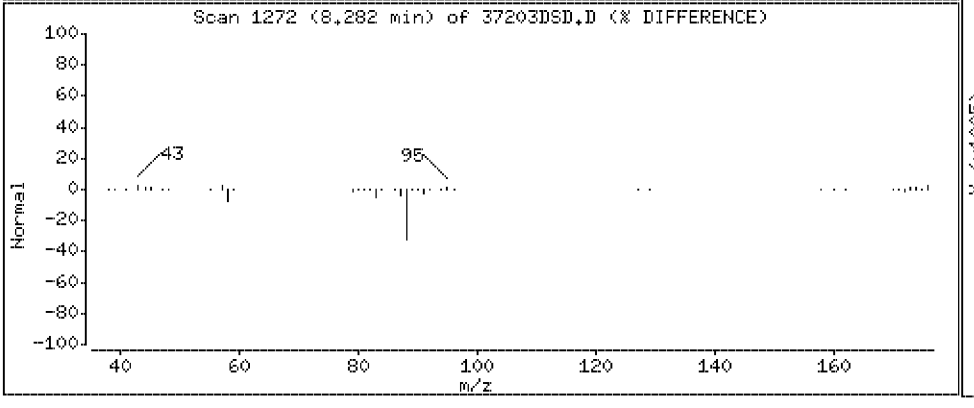
48 1,4 Dioxane

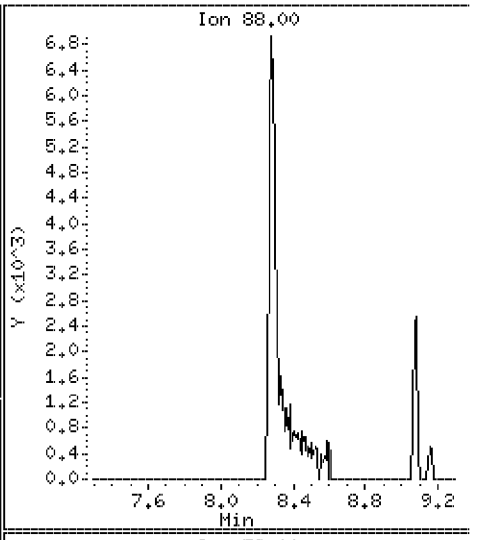
Concentration: 3170 ug/l

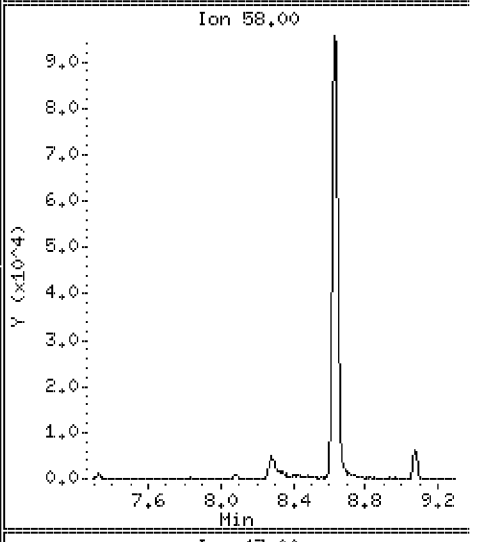


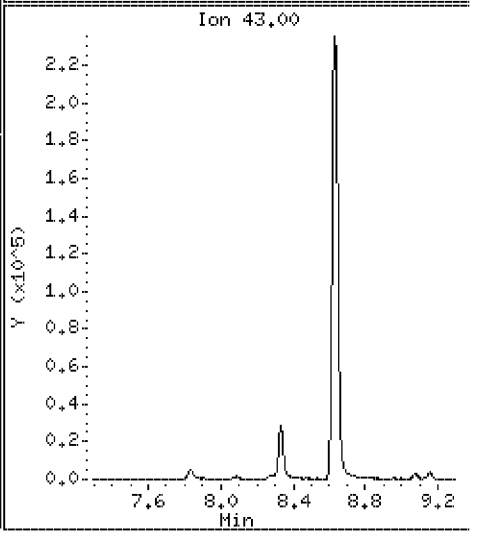












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

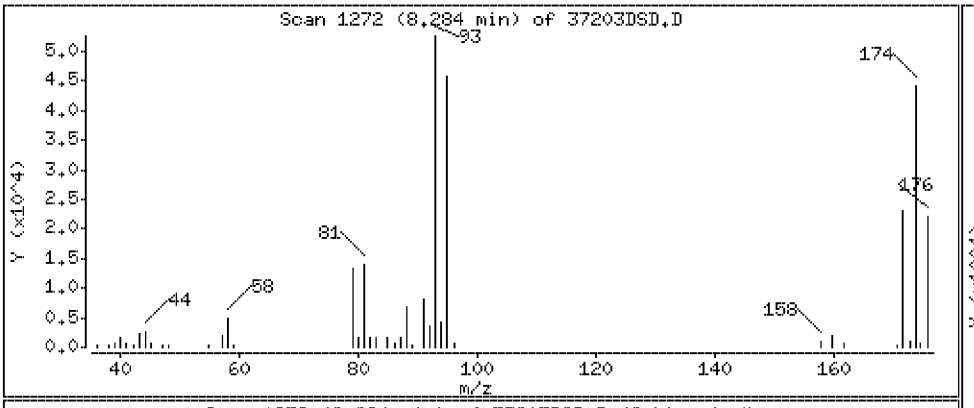
Operator:

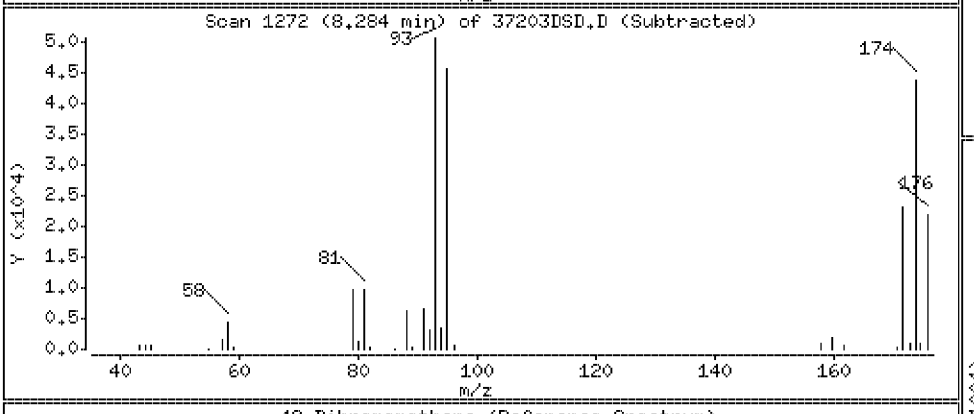
Column phase: DB-624

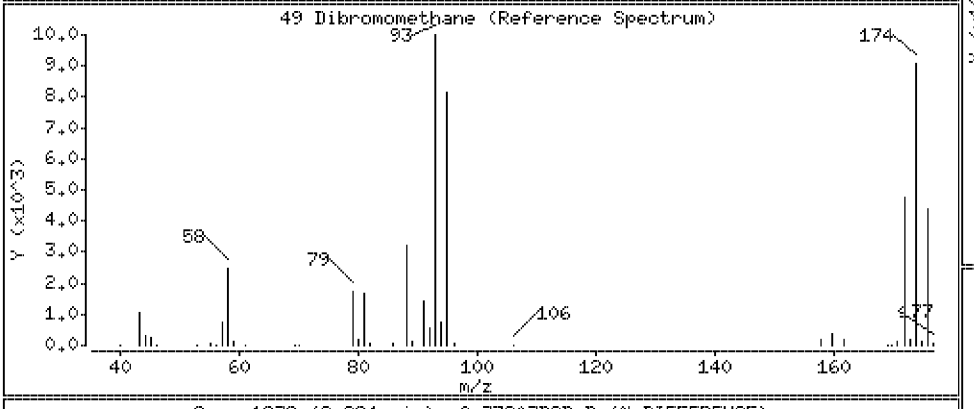
Column diameter: 0.18

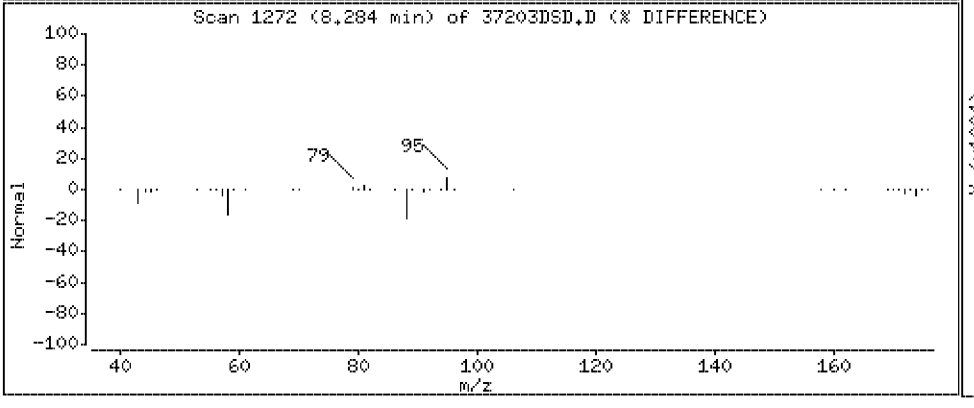
49 Dibromomethane

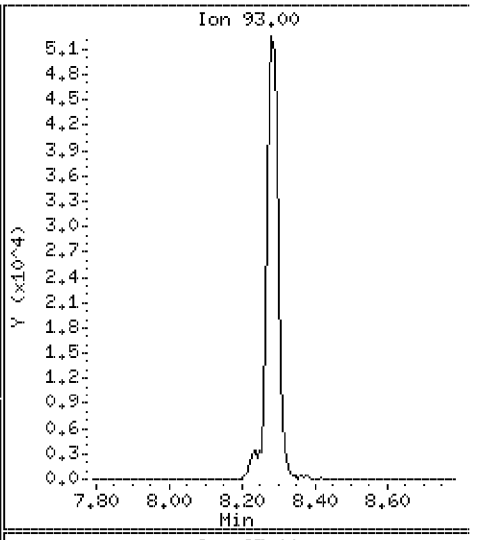
Concentration: 185 ug/l

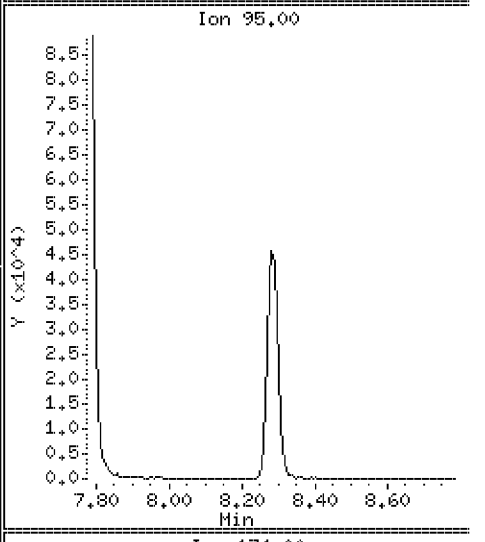


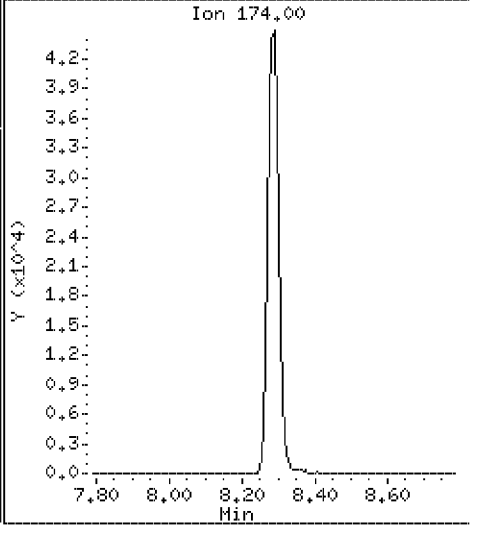












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

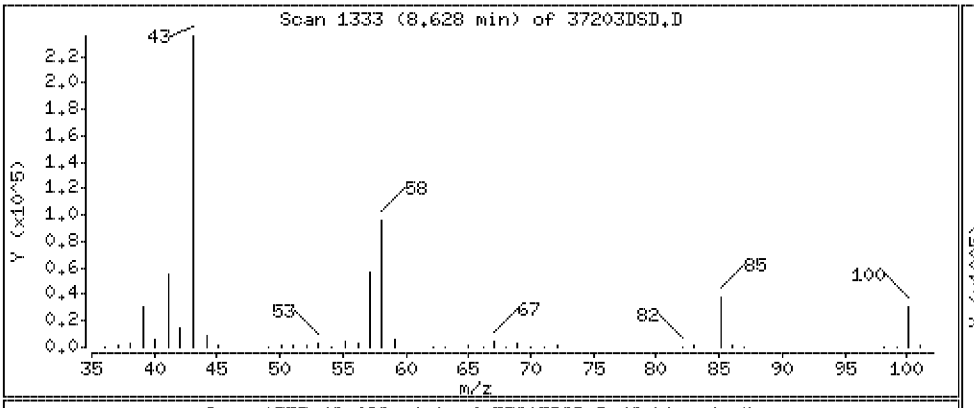
Operator:

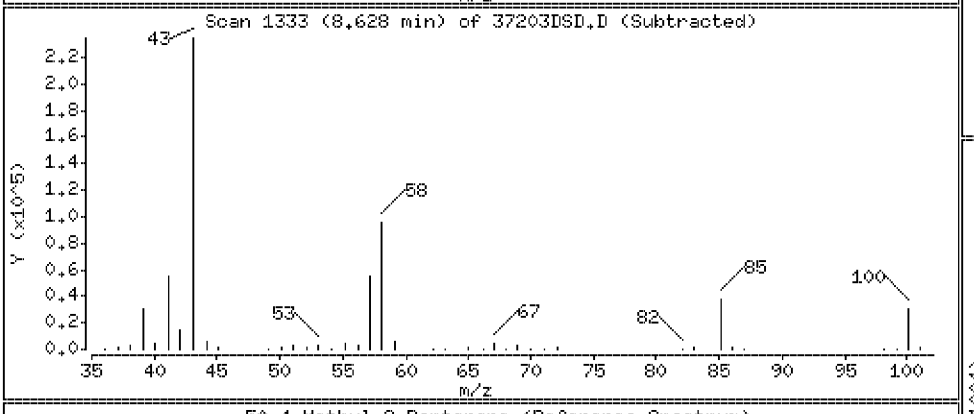
Column phase: DB-624

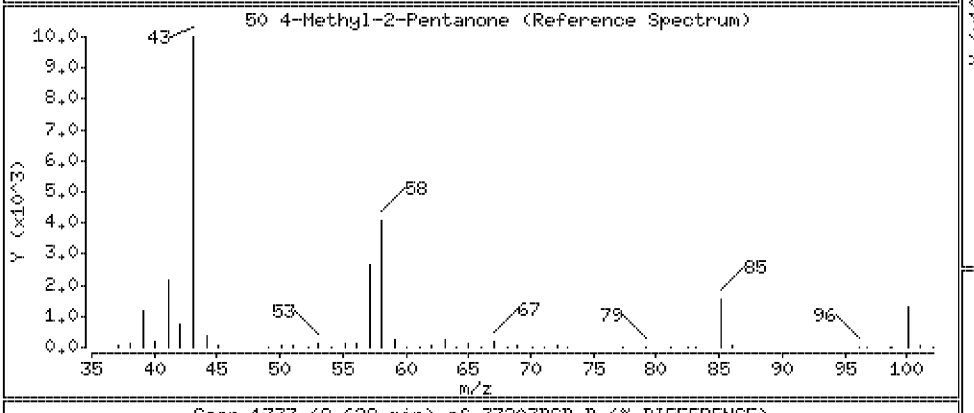
Column diameter: 0.18

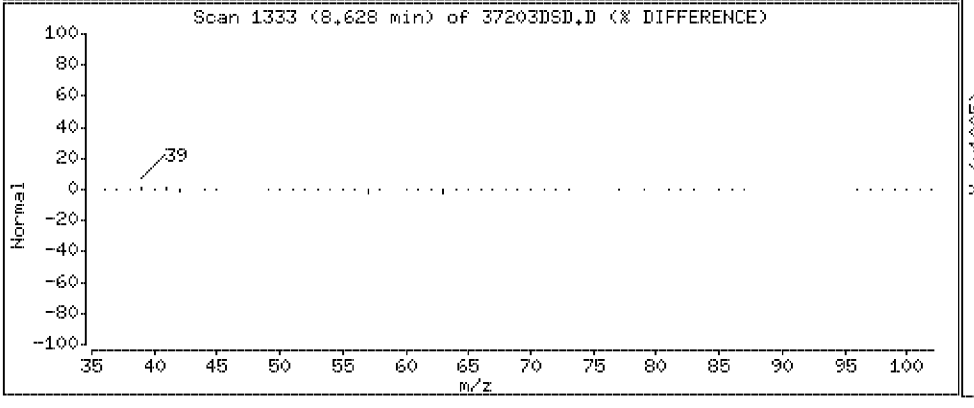
50 4-Methyl-2-Pentanone

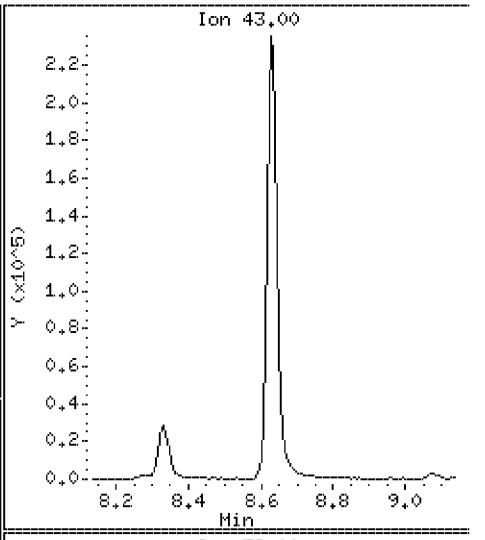
Concentration: 538 ug/l

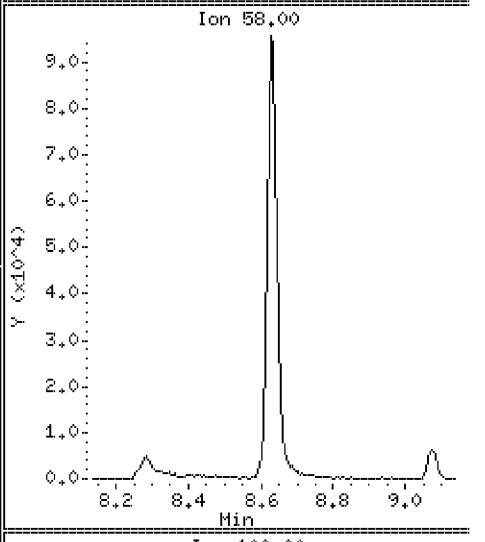


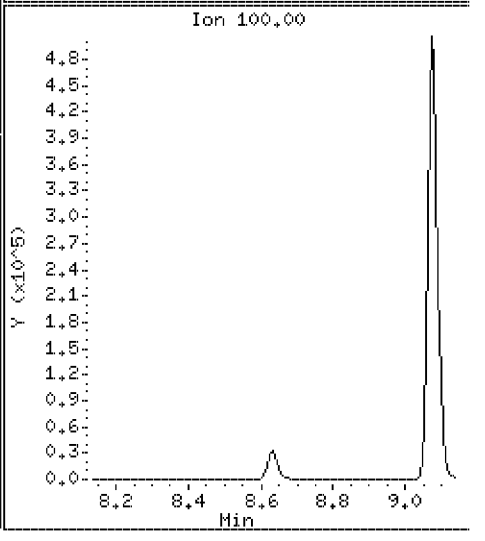












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

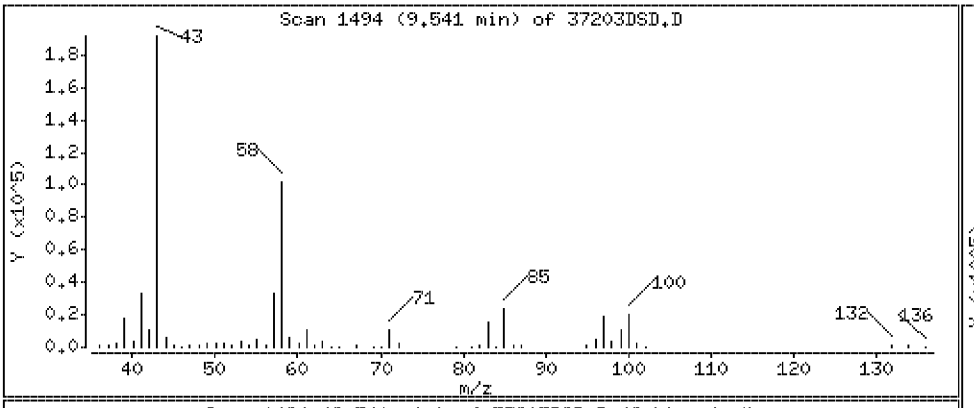
Client ID: TO05MW40AMSD | Instrument: vms03.i

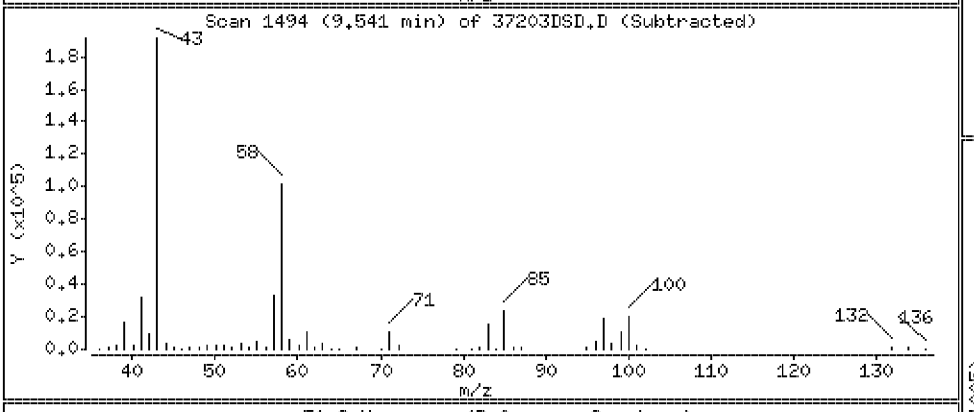
Sample Info: 250737203;2507372;10;

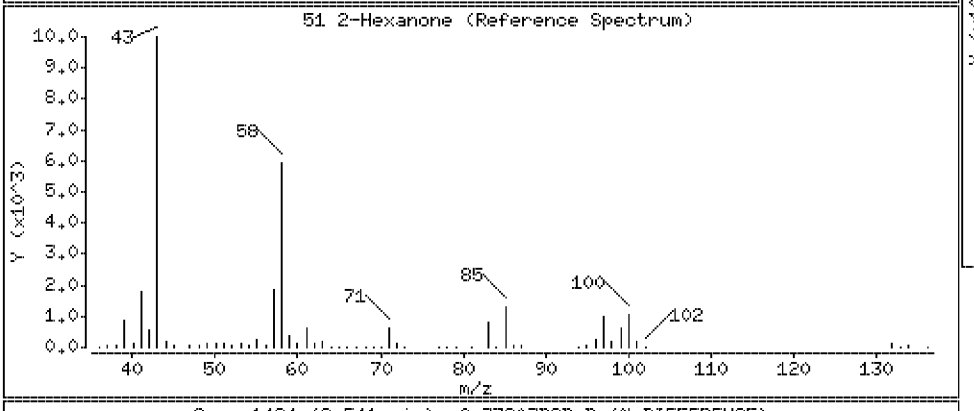
Purge Volume: 5.0 | Operator:

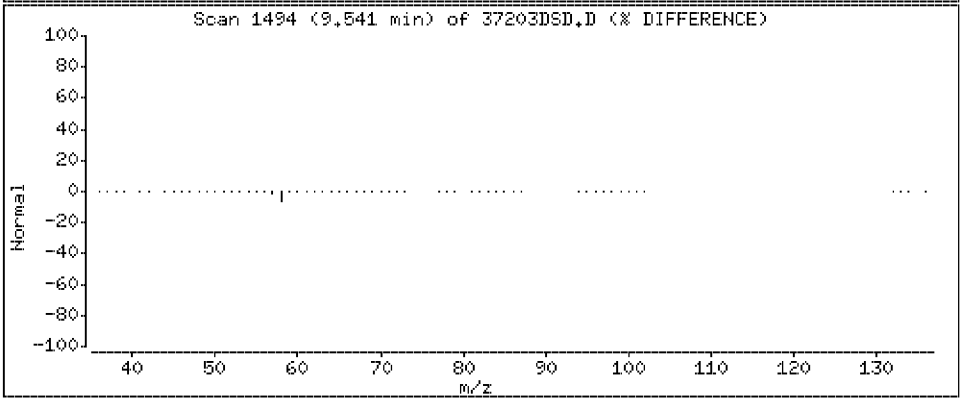
Column phase: DB-624 | Column diameter: 0.18

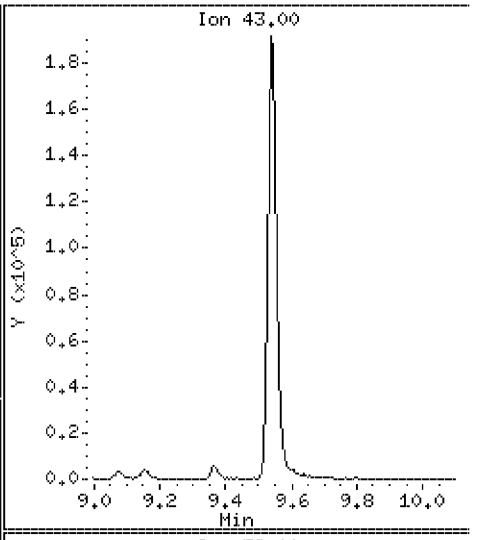
51 2-Hexanone | Concentration: 523 ug/l

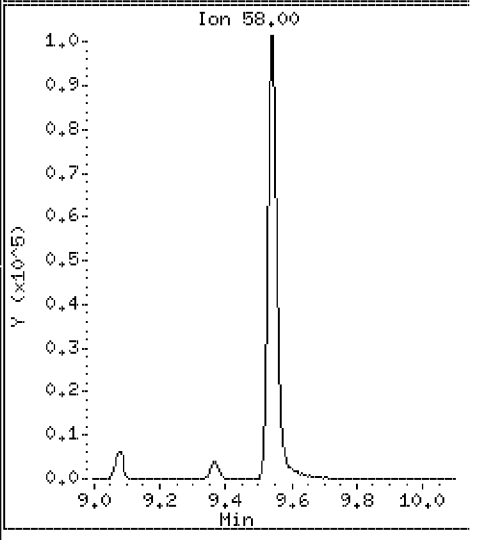












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

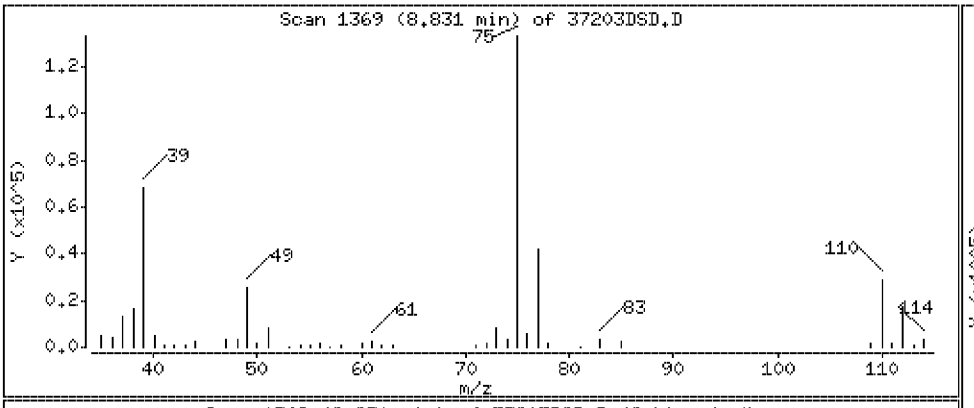
Operator:

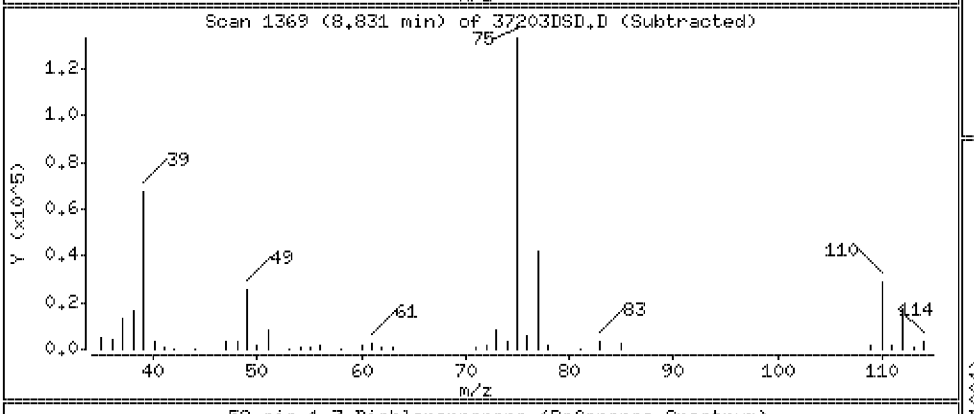
Column phase: DB-624

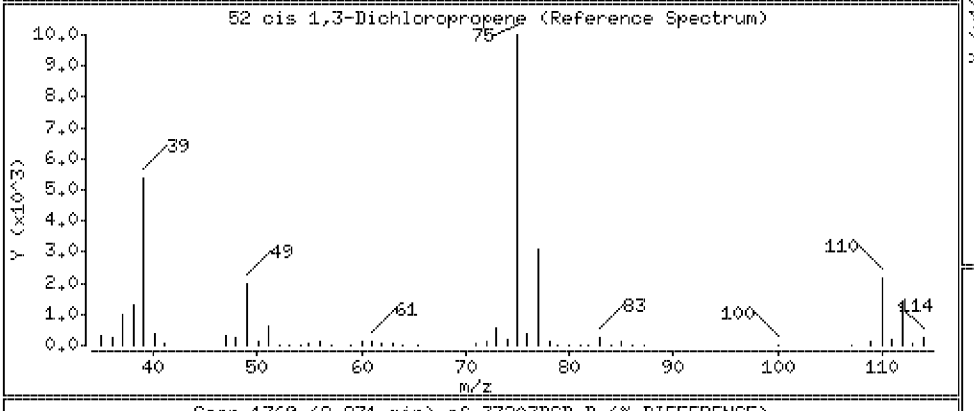
Column diameter: 0.18

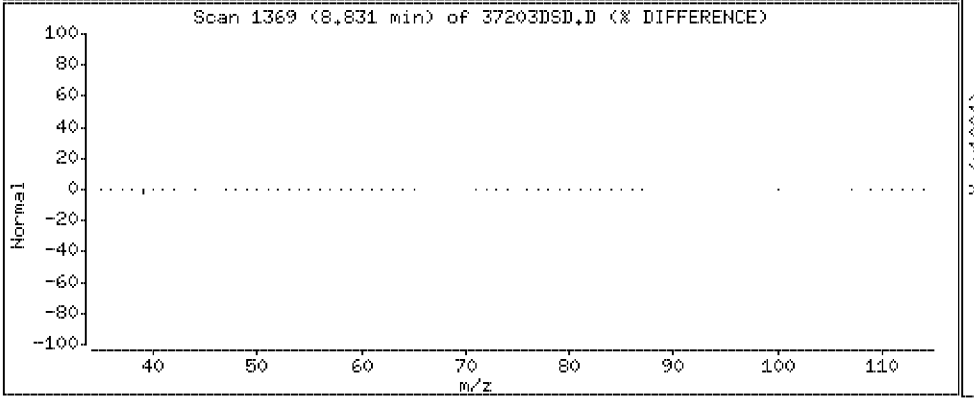
52 cis 1,3-Dichloropropene

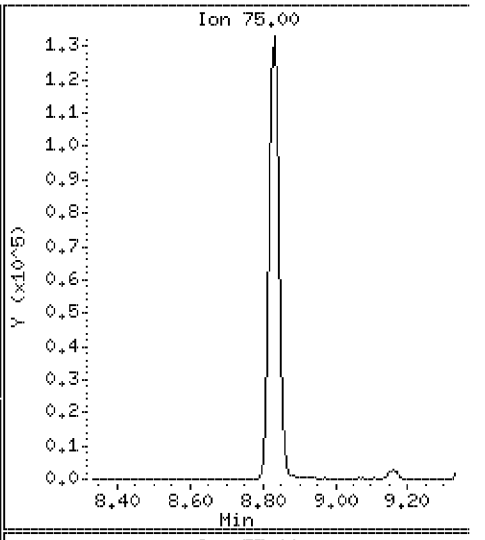
Concentration: 165 ug/l

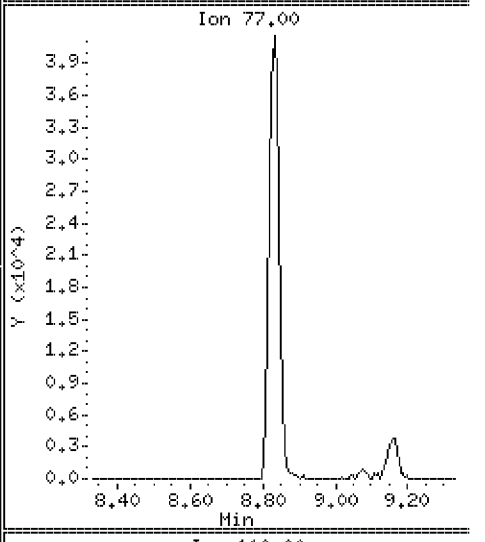


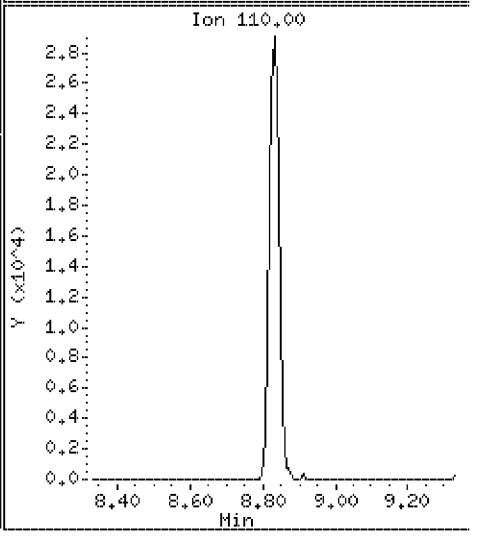












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

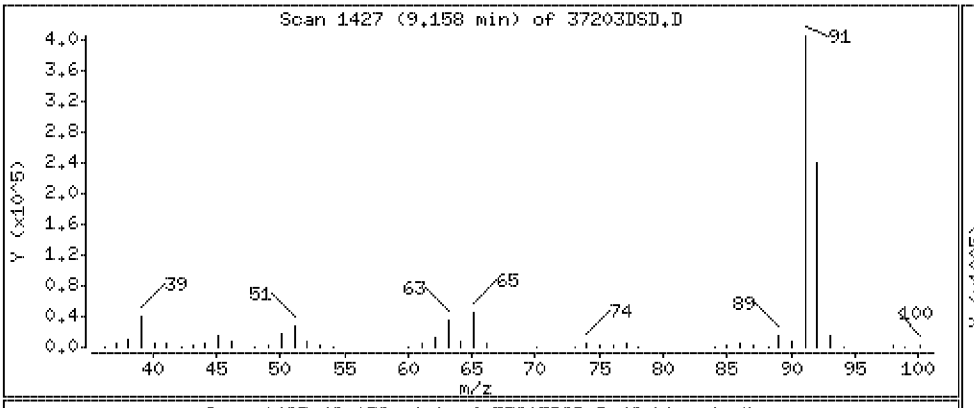
Operator:

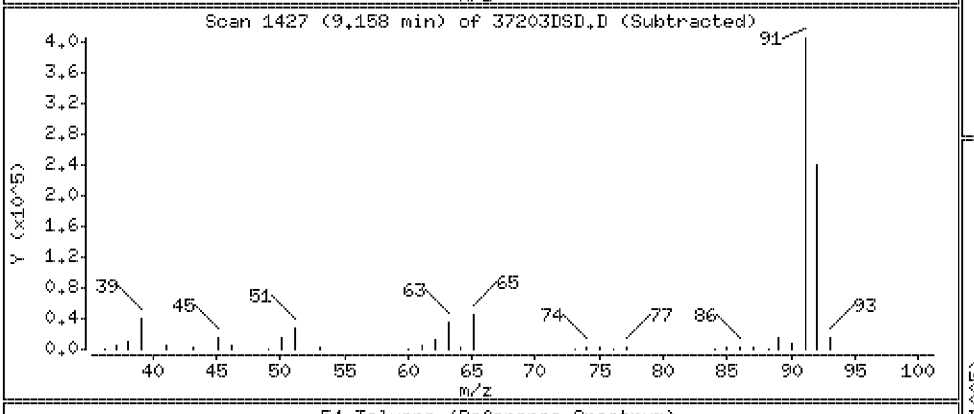
Column phase: DB-624

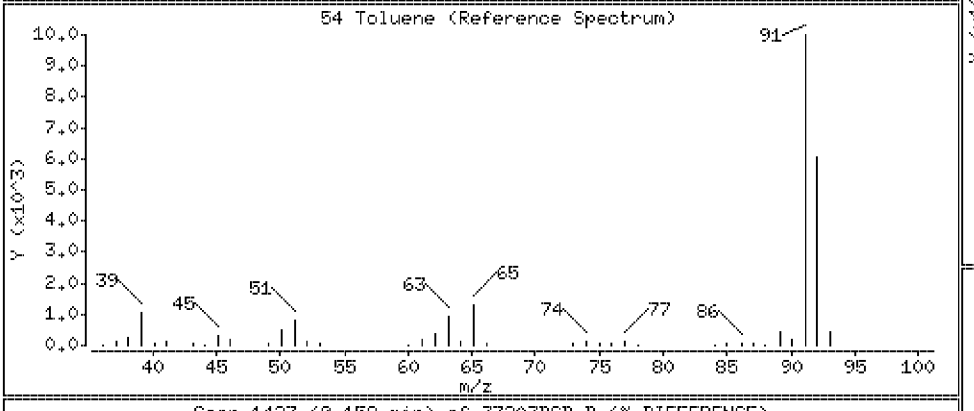
Column diameter: 0.18

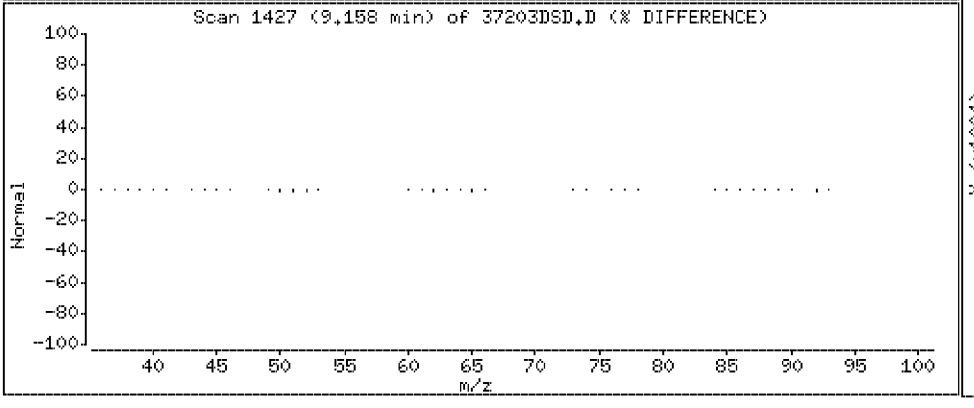
54 Toluene

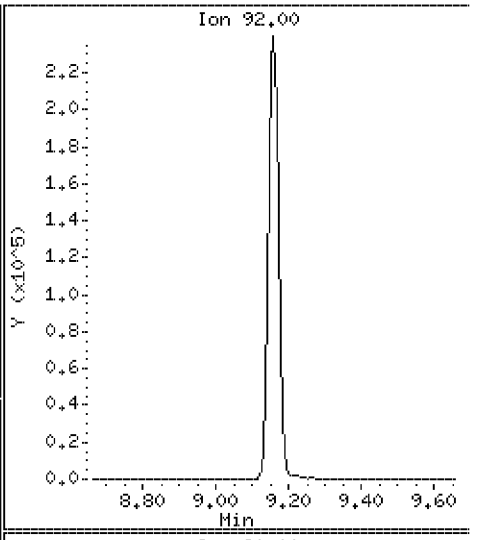
Concentration: 190 ug/l

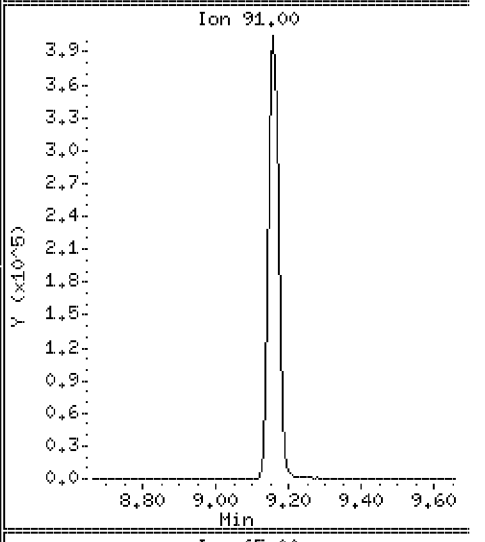


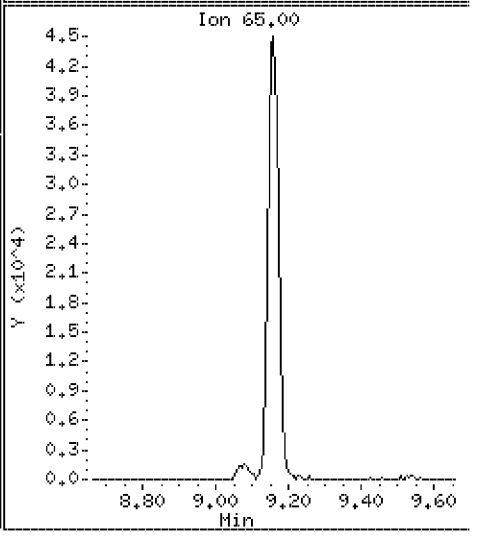












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

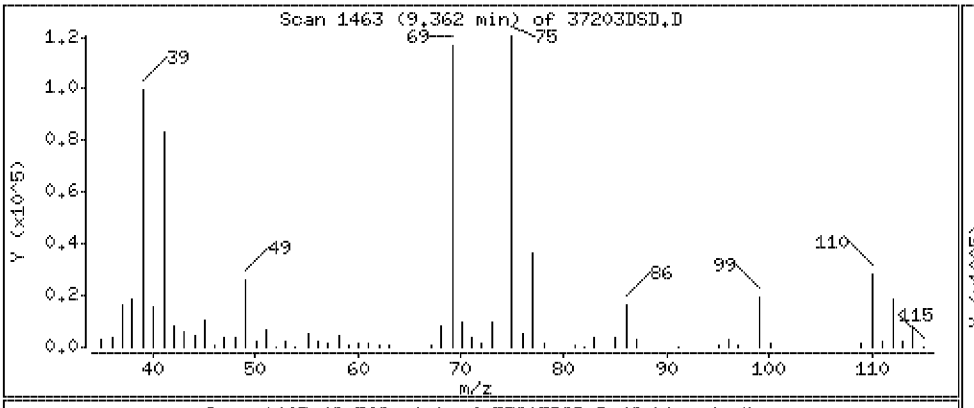
Operator:

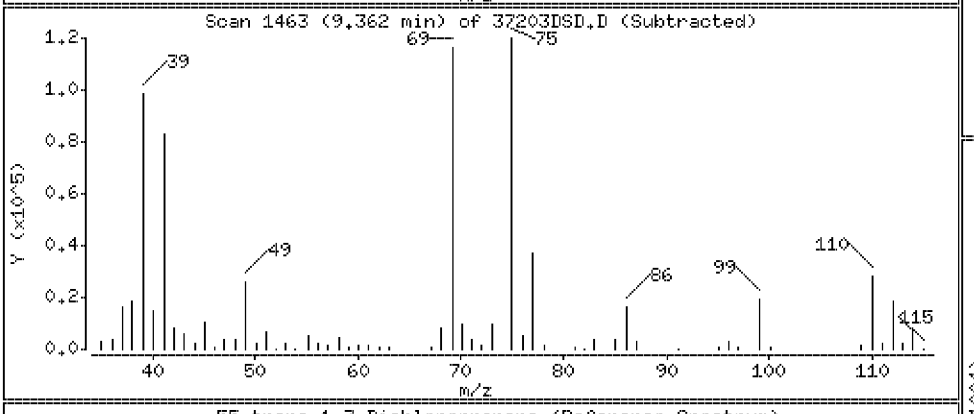
Column phase: DB-624

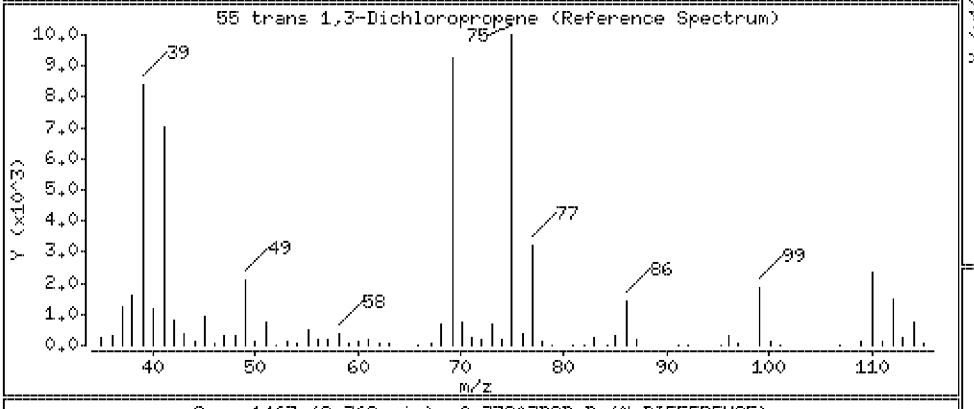
Column diameter: 0.18

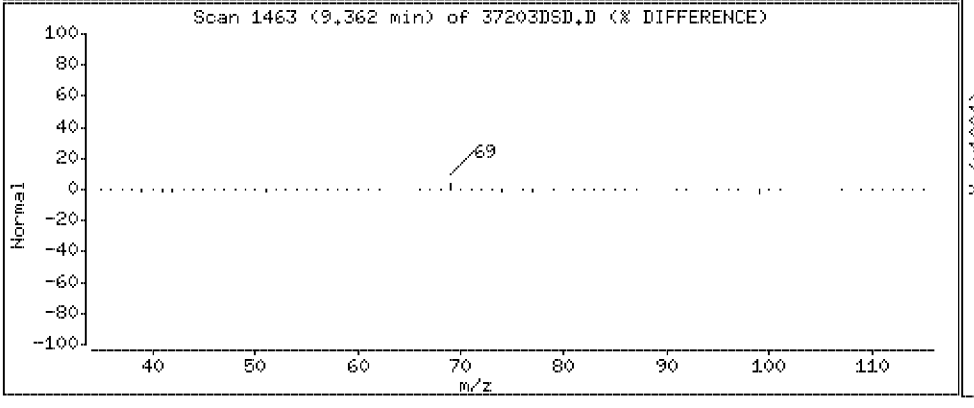
55 trans 1,3-Dichloropropene

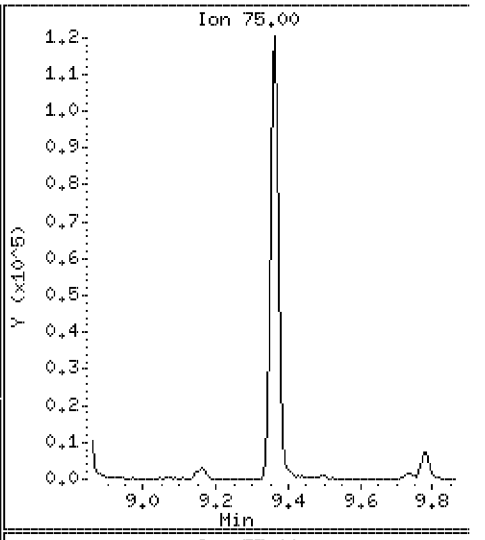
Concentration: 174 ug/l

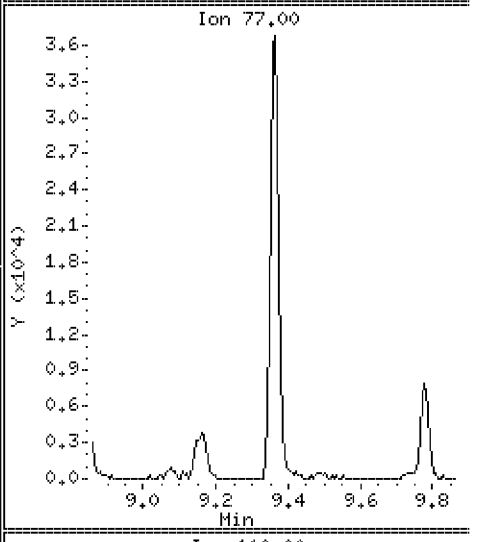


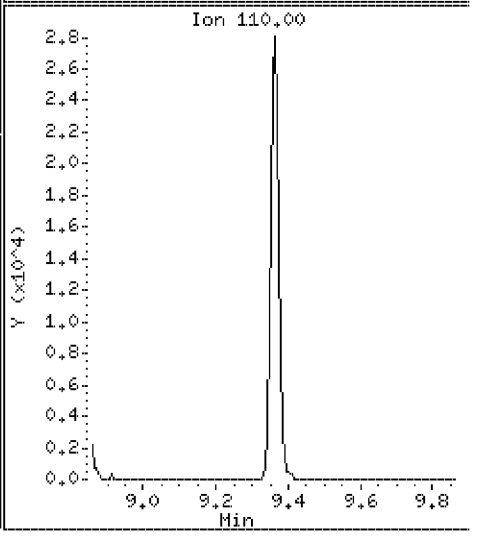












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

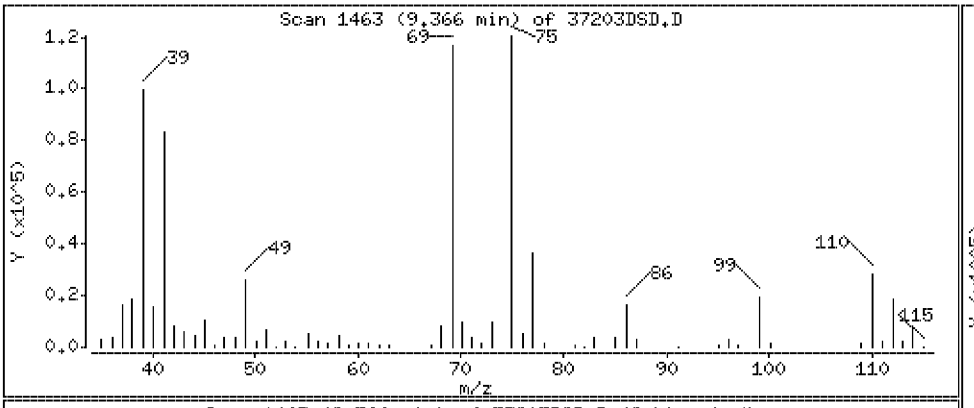
Operator:

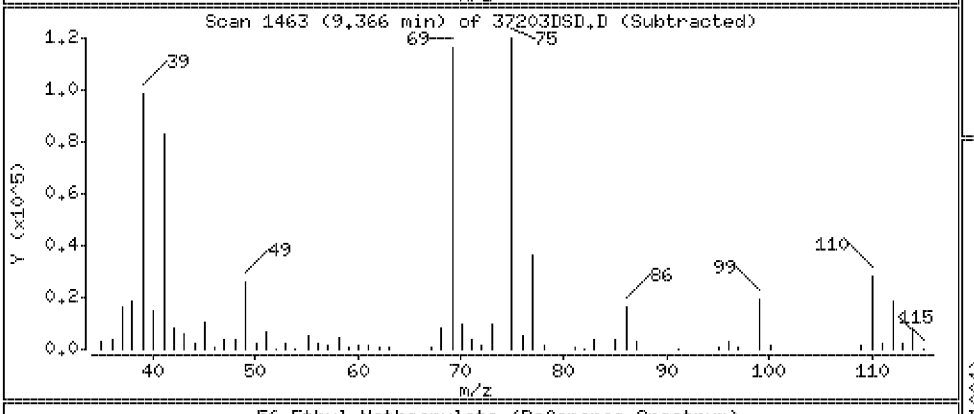
Column phase: DB-624

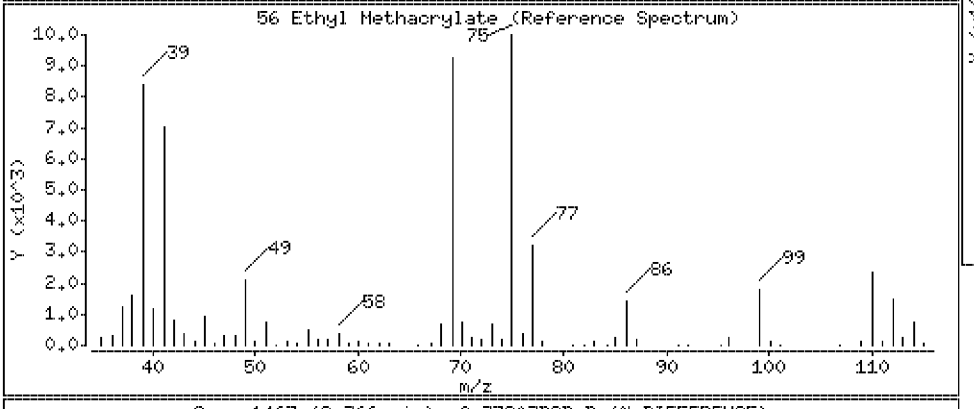
Column diameter: 0.18

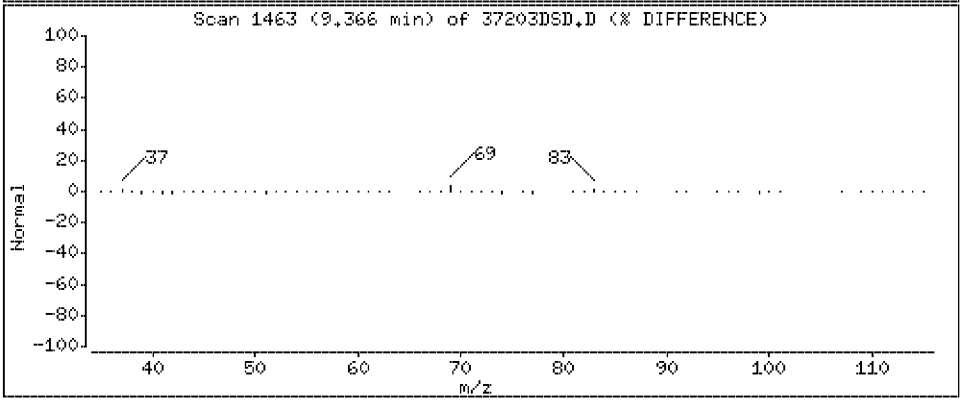
56 Ethyl Methacrylate

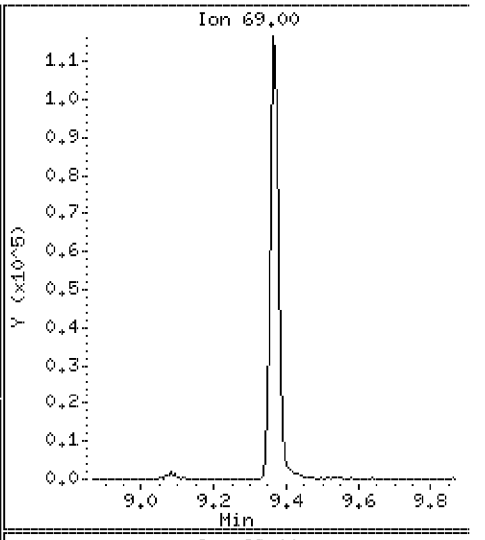
Concentration: 199 ug/l

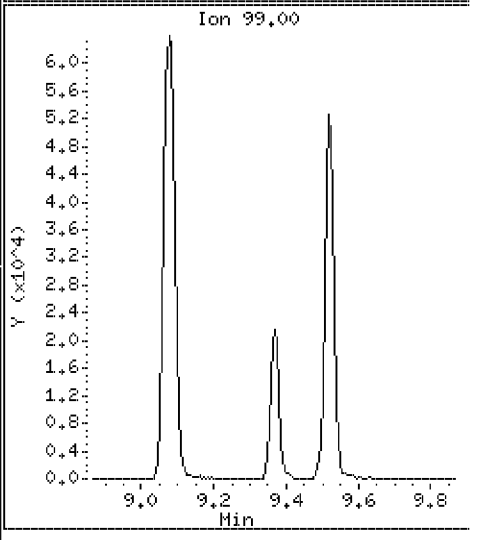












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Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

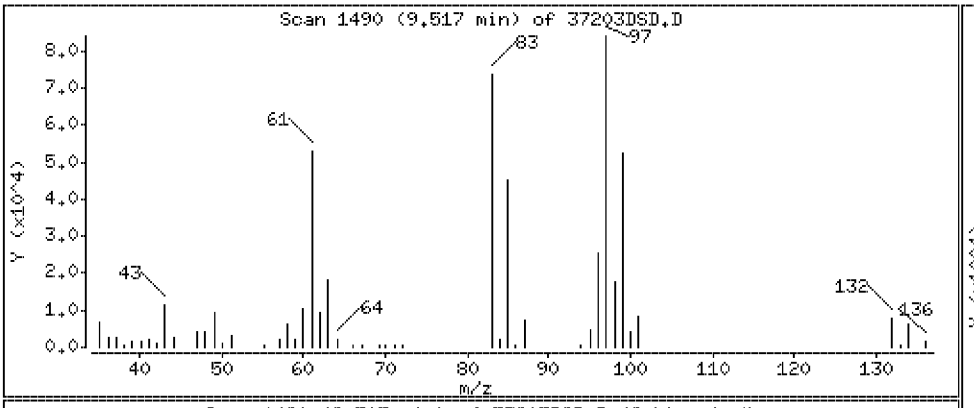
Operator:

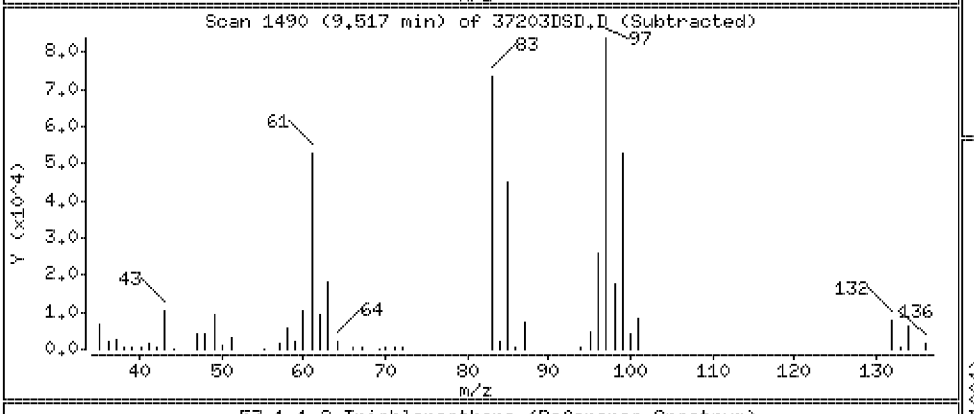
Column phase: DB-624

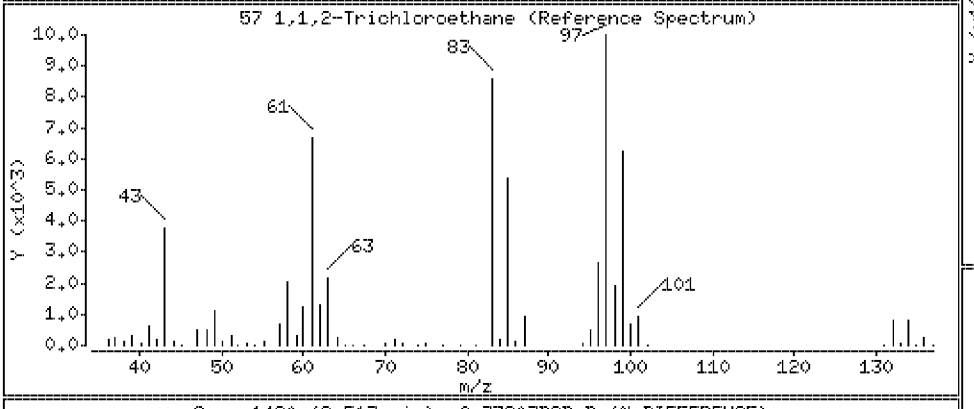
Column diameter: 0.18

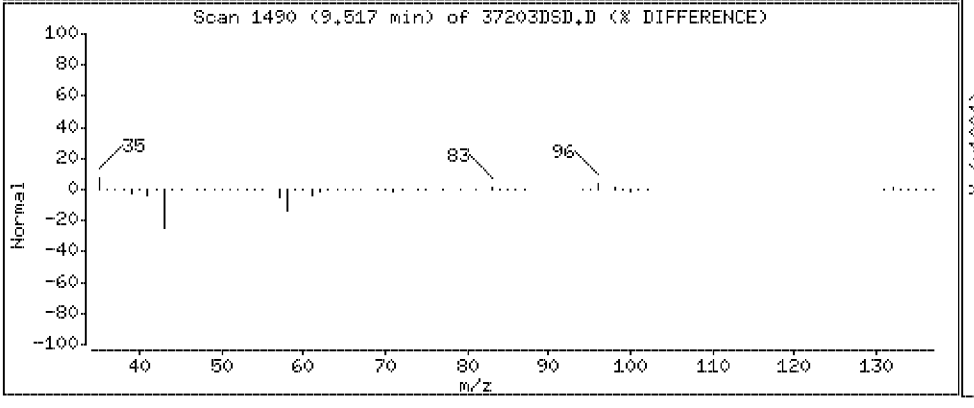
57 1,1,2-Trichloroethane

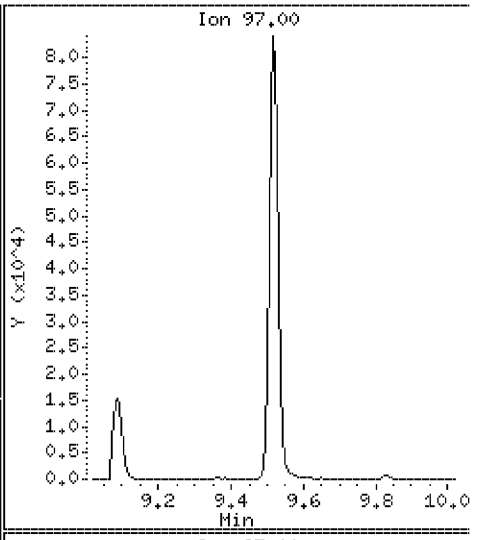
Concentration: 193 ug/l

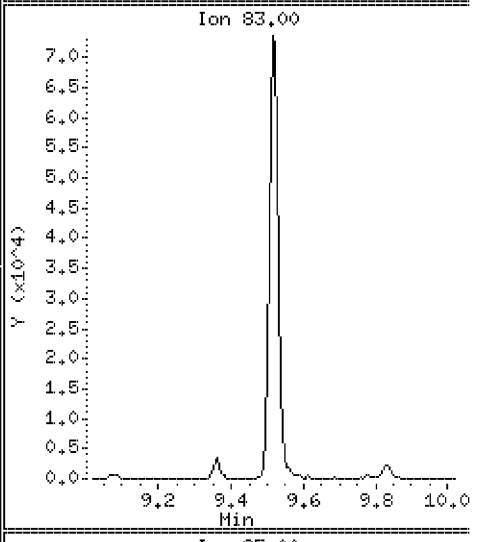


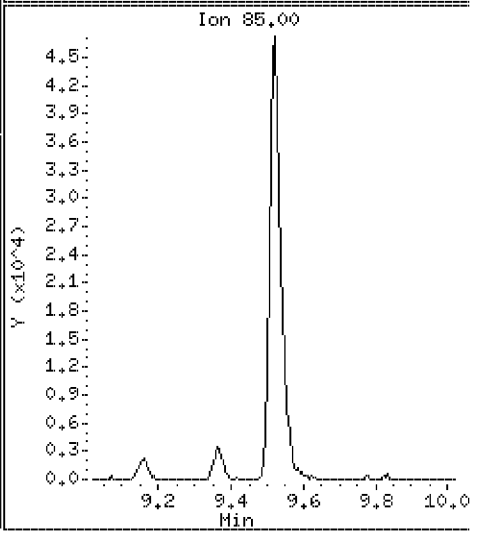












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

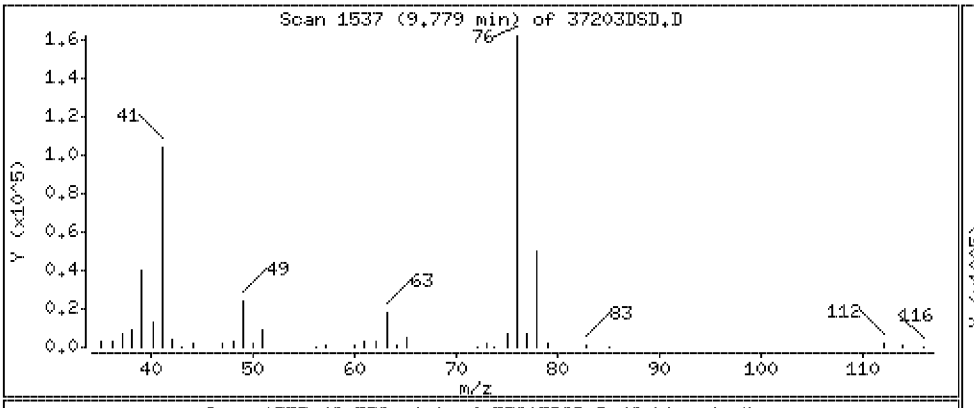
Operator:

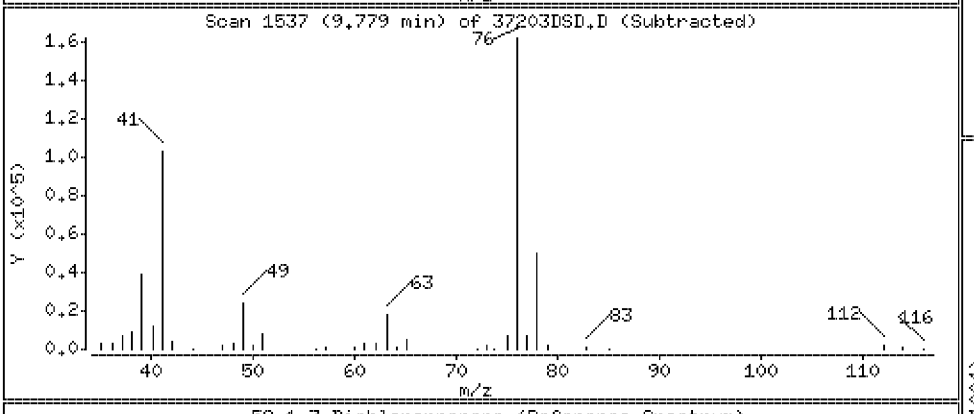
Column phase: DB-624

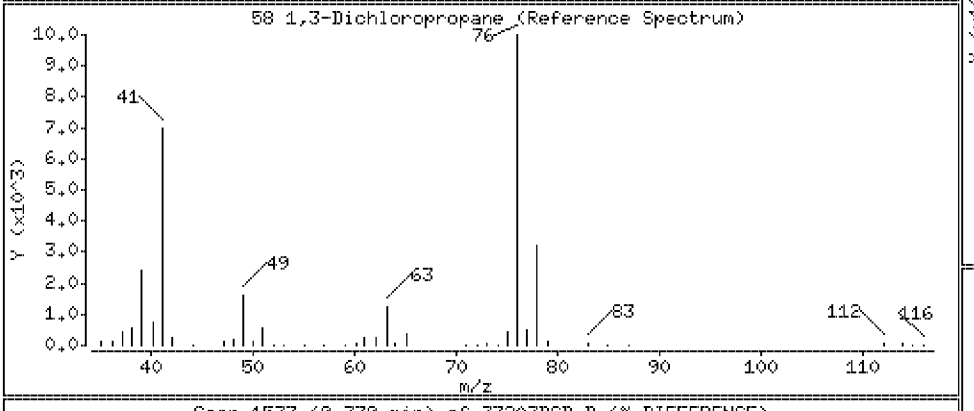
Column diameter: 0.18

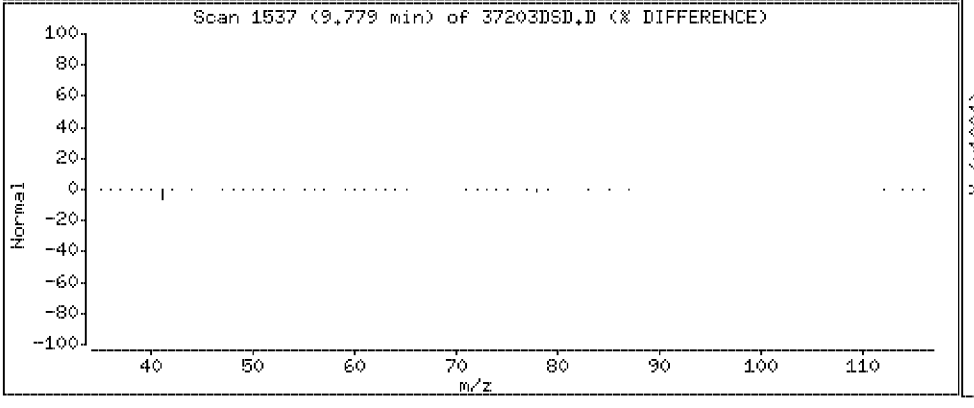
58 1,3-Dichloropropane

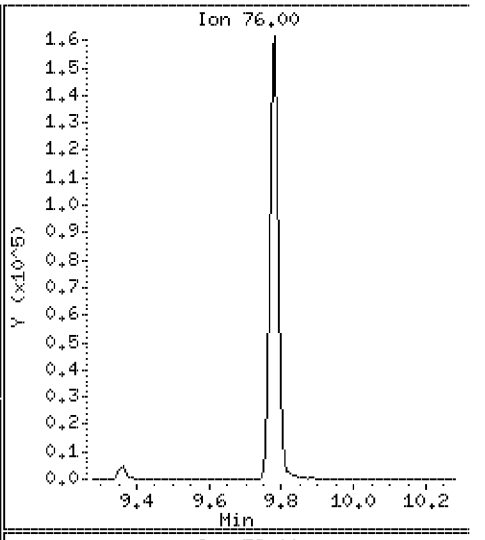
Concentration: 196 ug/l

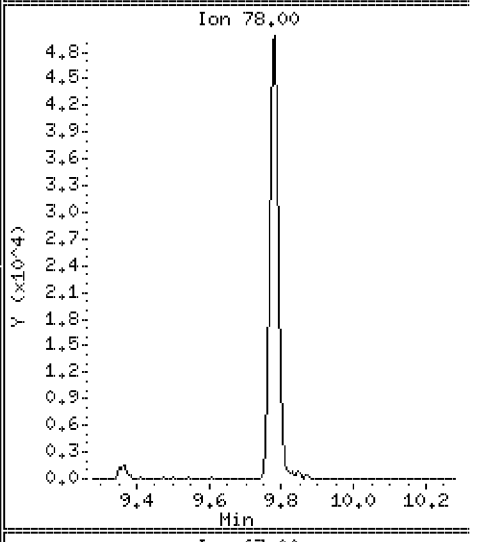


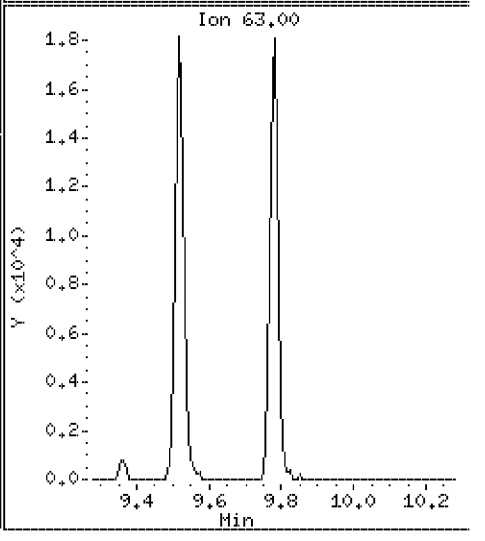












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

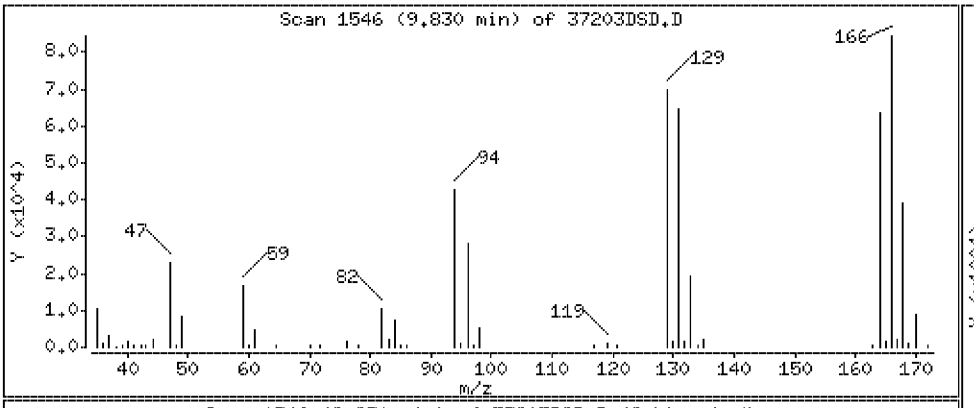
Client ID: TO05MW40AMSD | Instrument: vms03.i

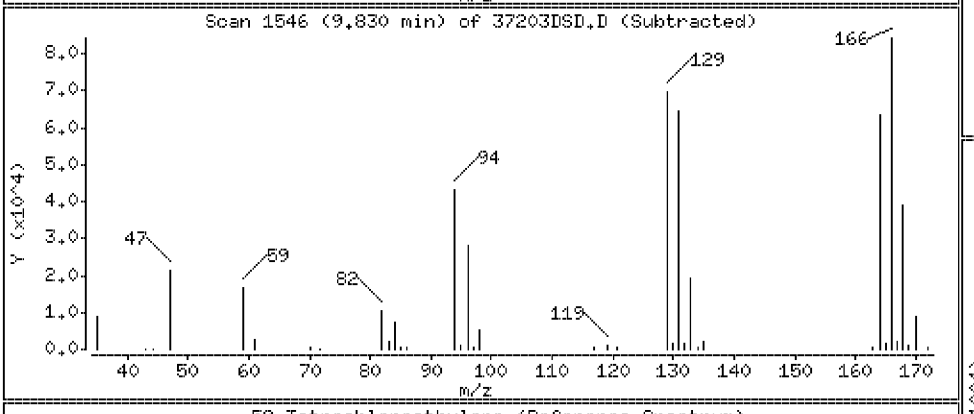
Sample Info: 250737203;2507372;10;

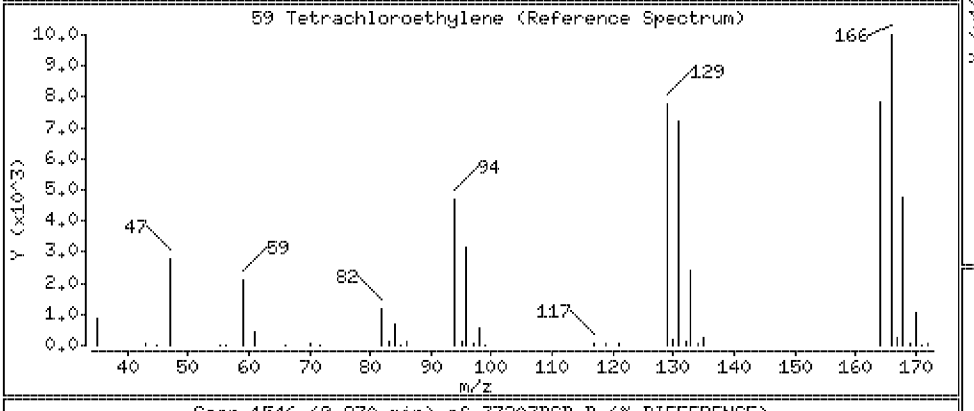
Purge Volume: 5.0 | Operator:

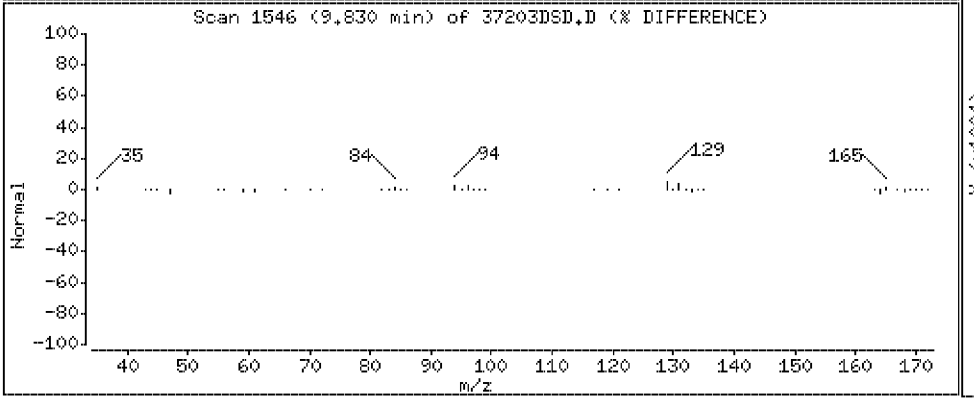
Column phase: DB-624 | Column diameter: 0.18

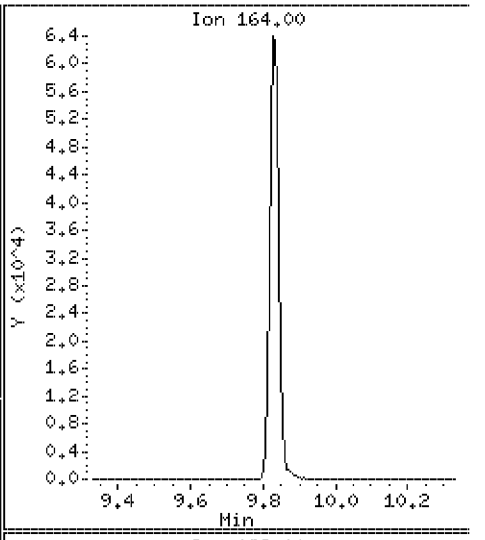
59 Tetrachloroethylene | Concentration: 195 ug/l

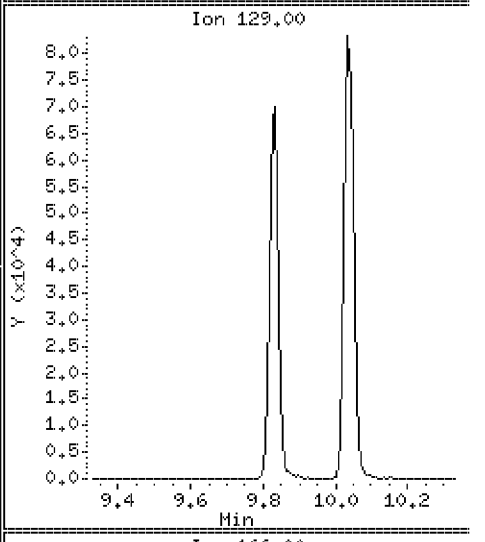


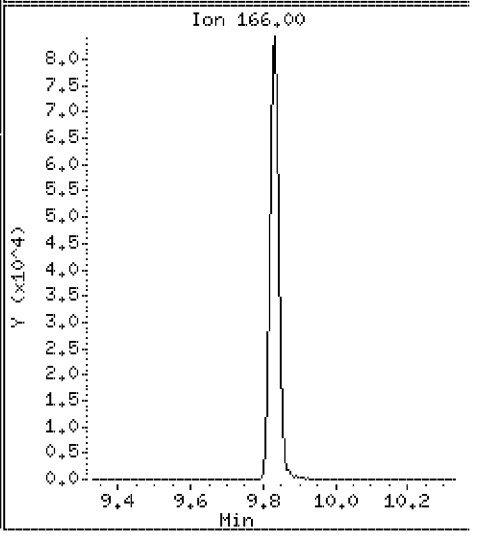












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

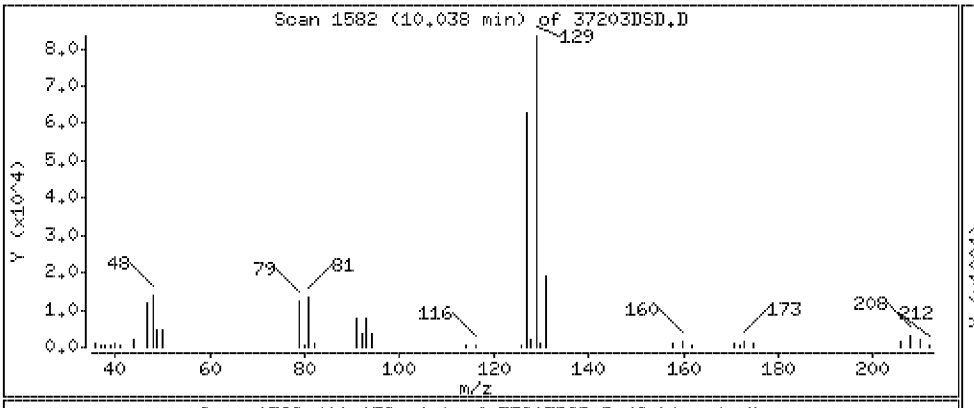
Client ID: TO05MW40AMSD | Instrument: vms03.i

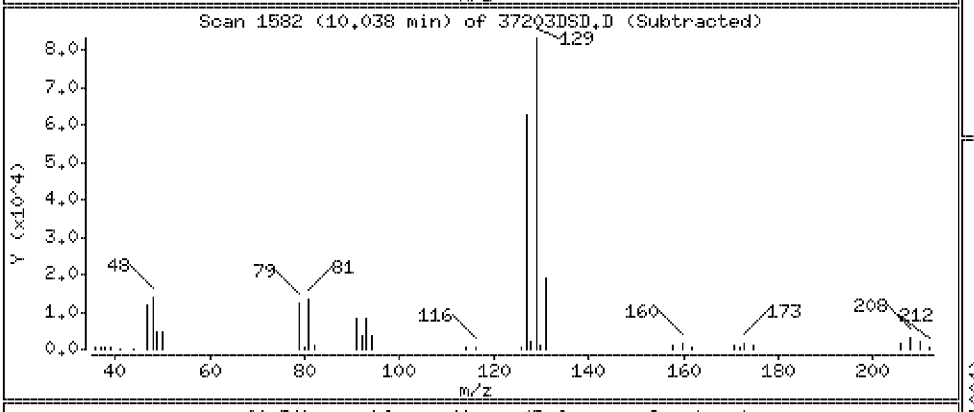
Sample Info: 250737203;2507372;10;

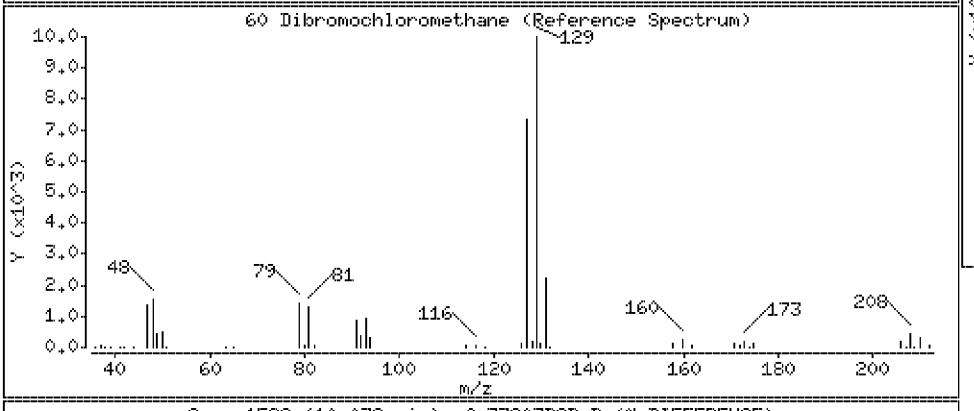
Purge Volume: 5.0 | Operator:

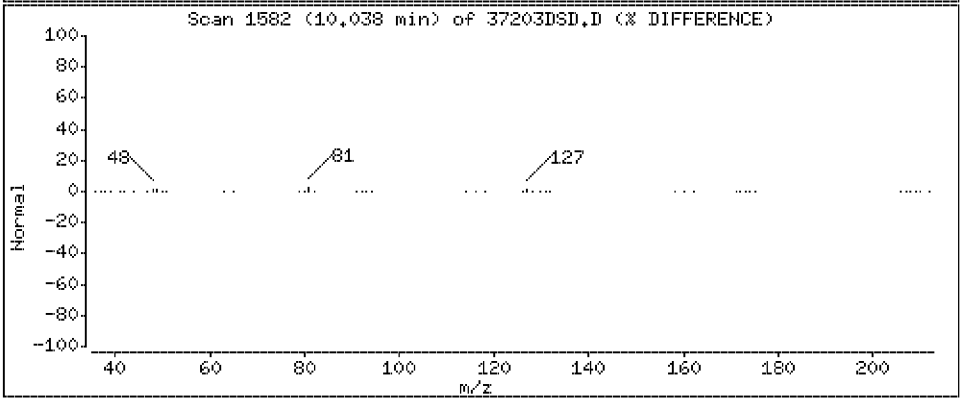
Column phase: DB-624 | Column diameter: 0.18

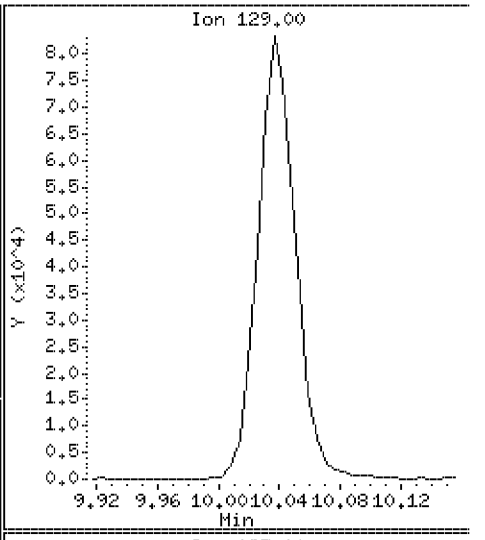
60 Dibromochloromethane | Concentration: 184 ug/l

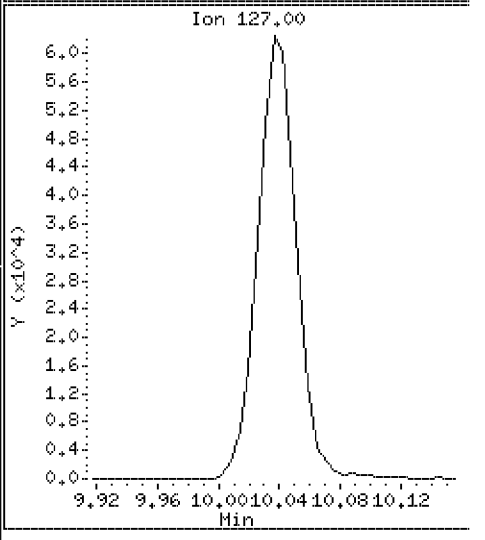












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Date : 21-AUG-2007 07:45

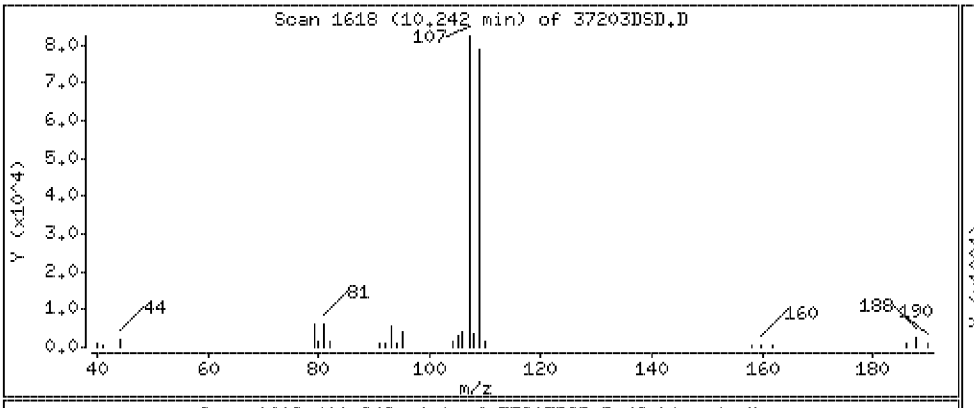
Client ID: TO05MW40AMSD | Instrument: vms03.i

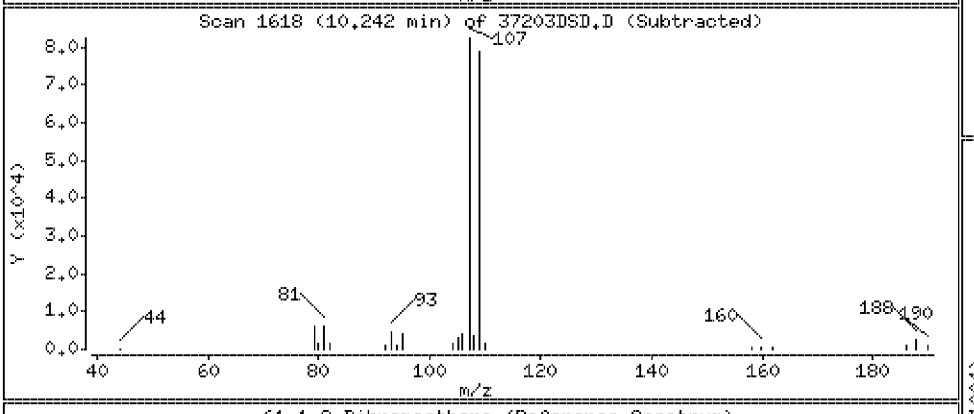
Sample Info: 250737203;2507372;10;

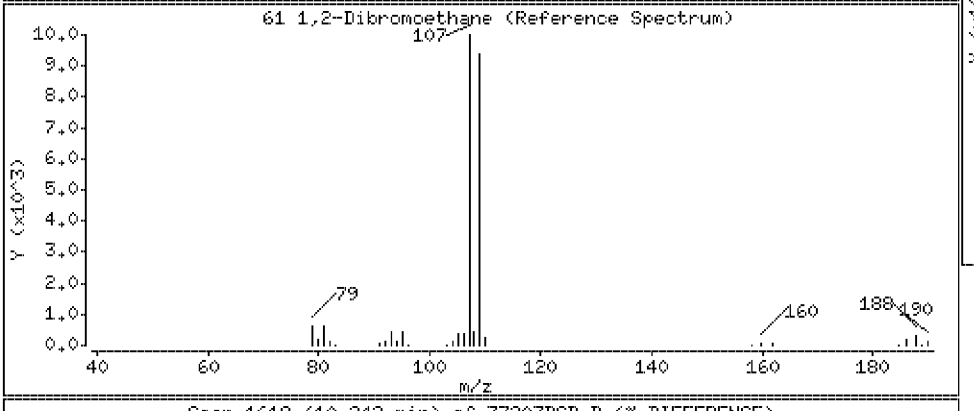
Purge Volume: 5.0 | Operator:

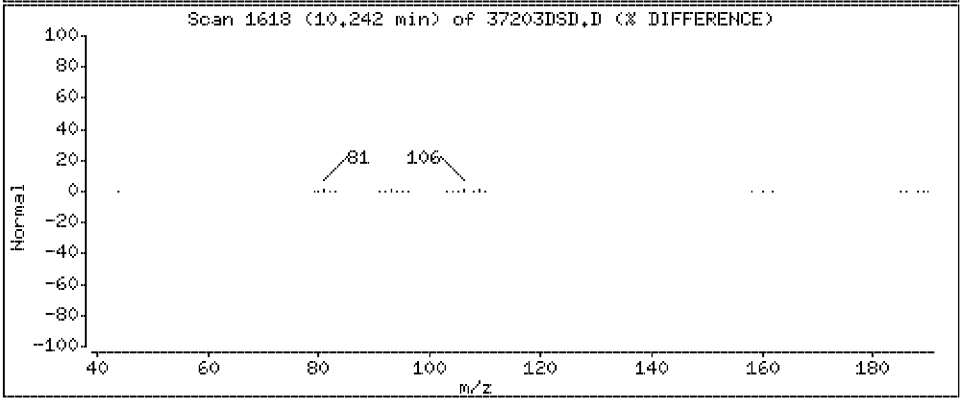
Column phase: DB-624 | Column diameter: 0.18

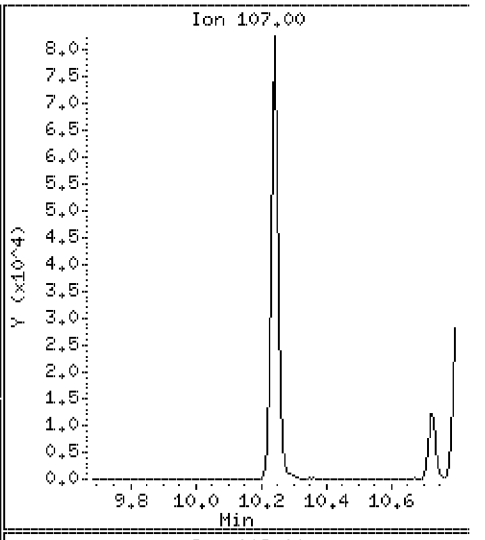
61 1,2-Dibromoethane | Concentration: 183 ug/l

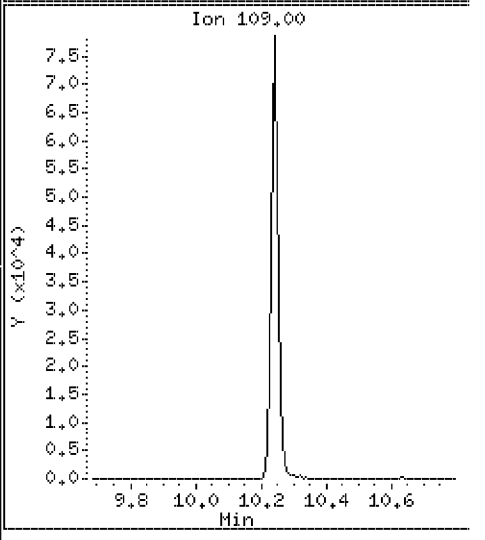












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

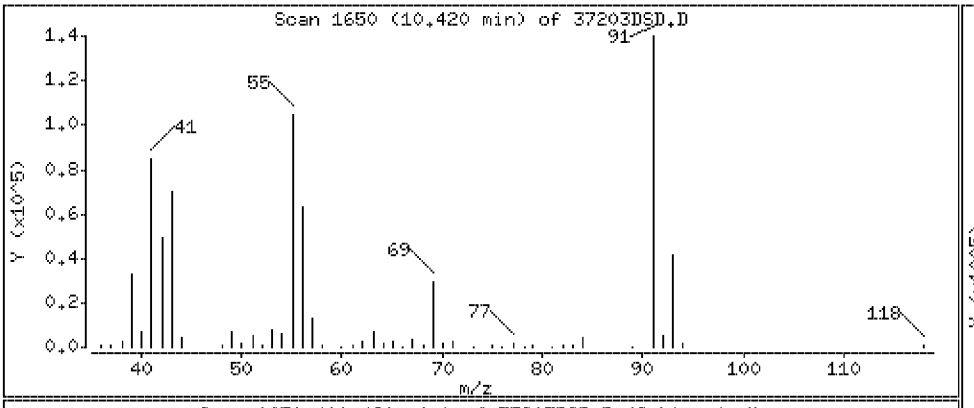
Operator:

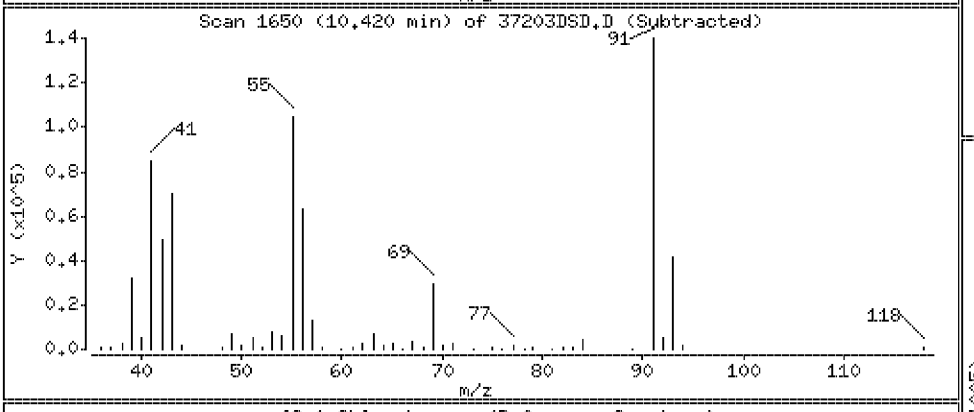
Column phase: DB-624

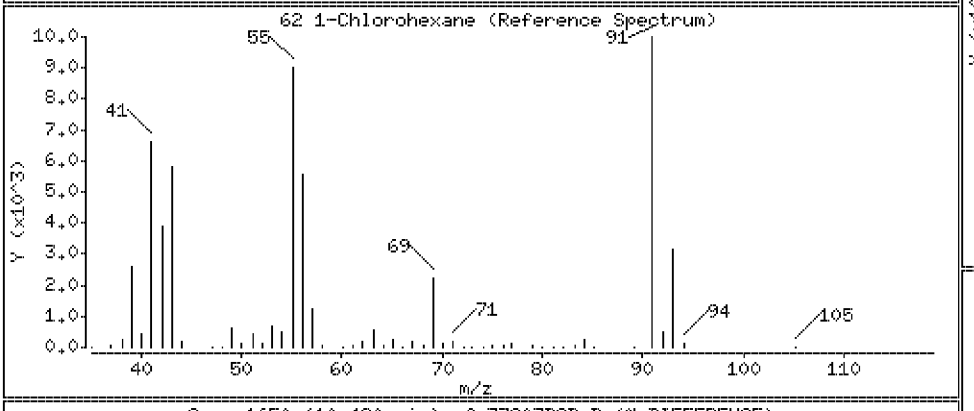
Column diameter: 0.18

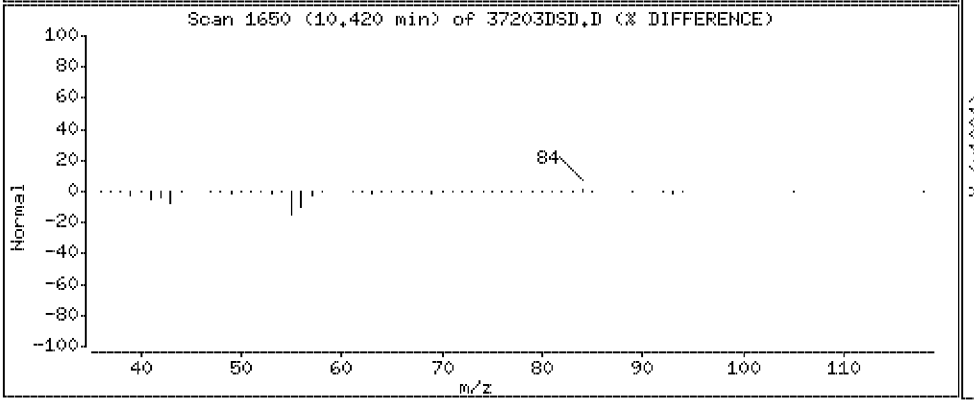
62 1-Chlorohexane

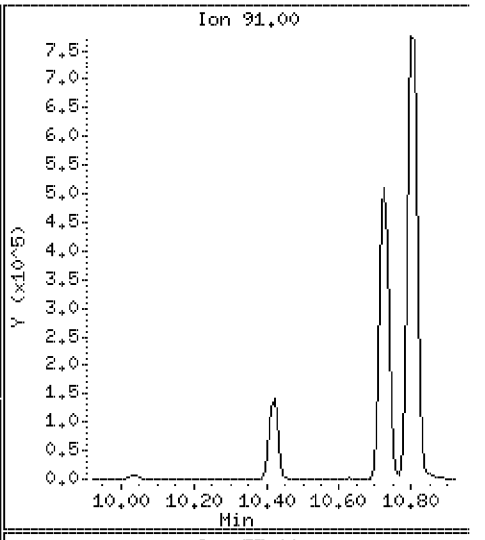
Concentration: 199 ug/l

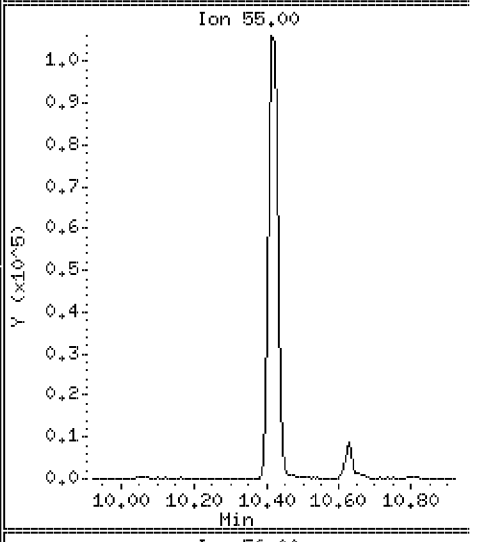


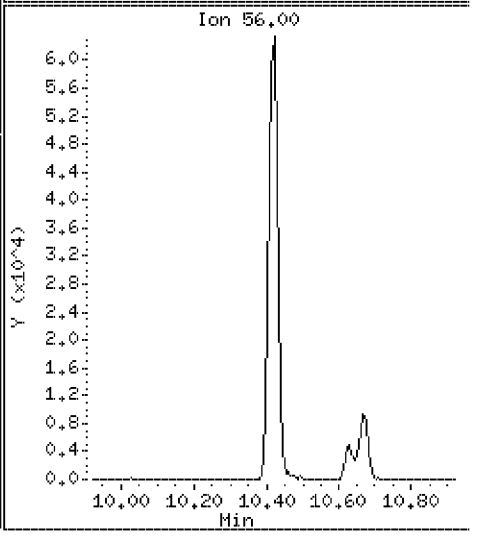












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

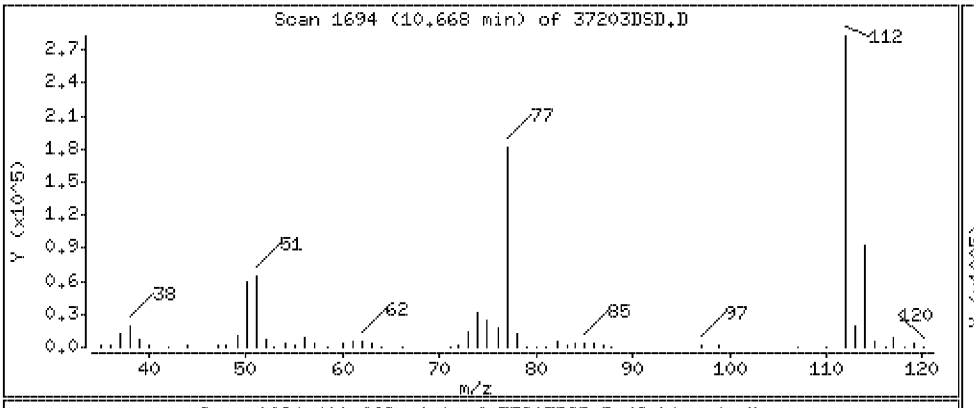
Operator:

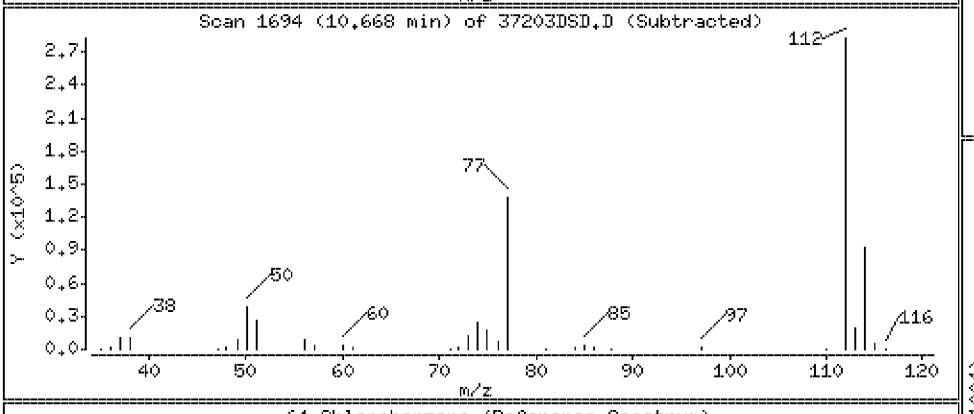
Column phase: DB-624

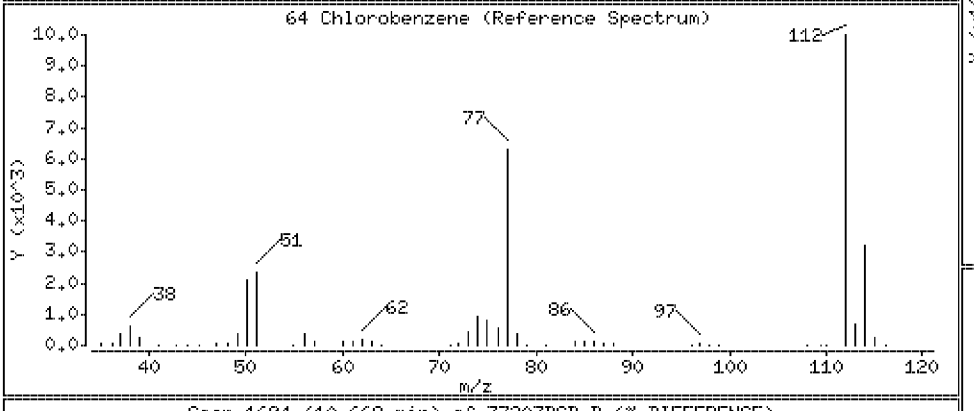
Column diameter: 0.18

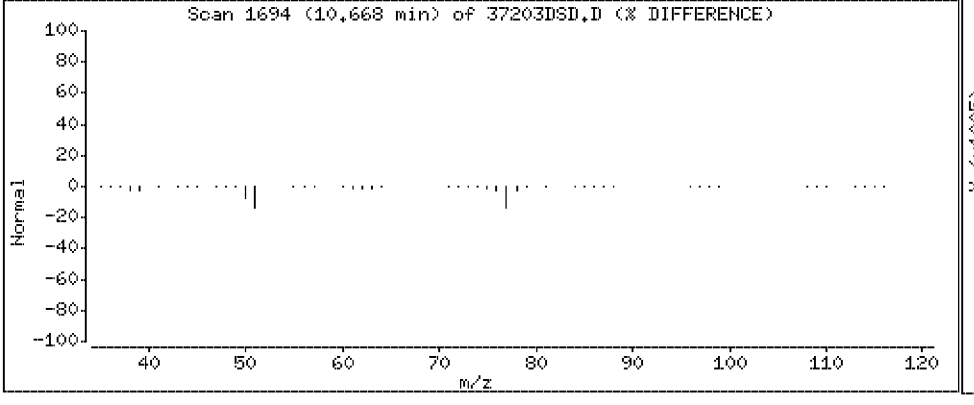
64 Chlorobenzene

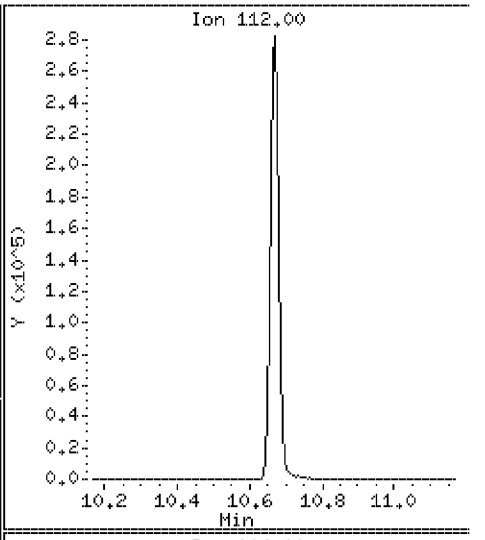
Concentration: 197 ug/l

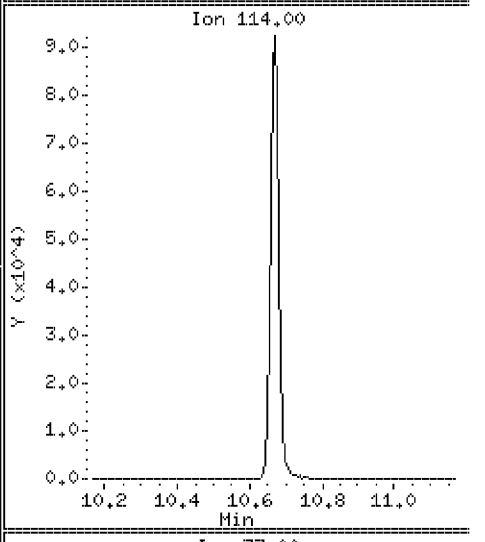


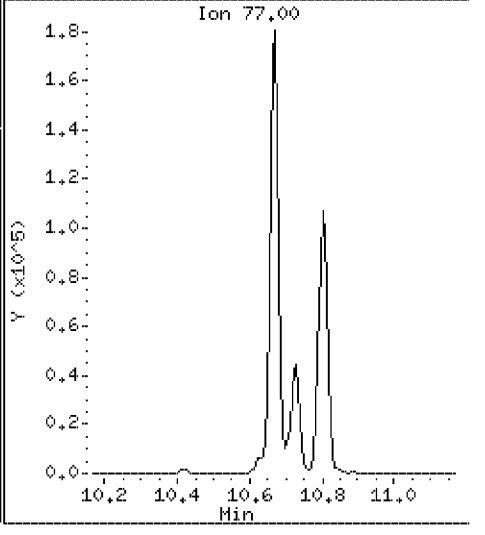












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

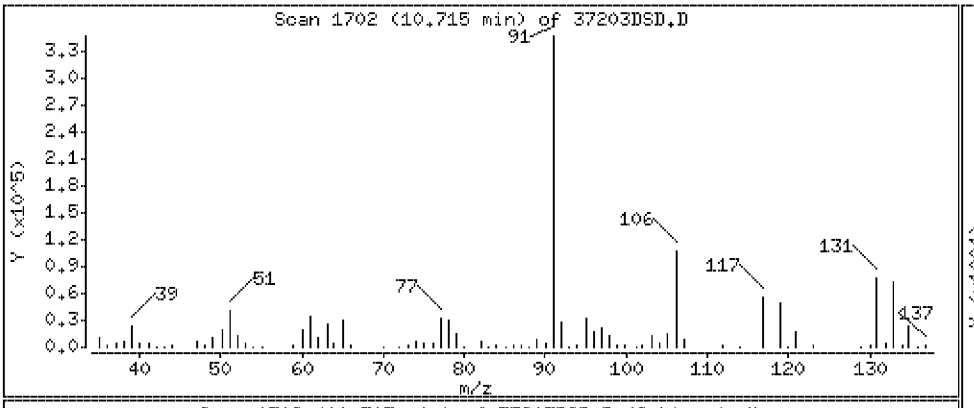
Operator:

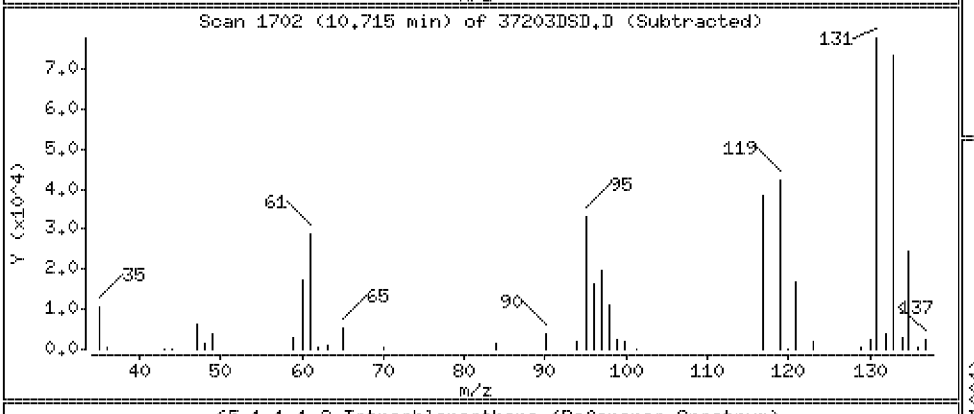
Column phase: DB-624

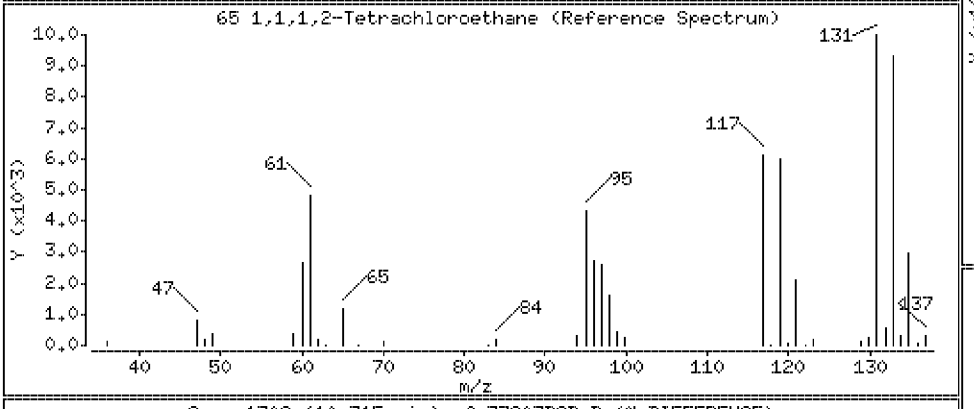
Column diameter: 0.18

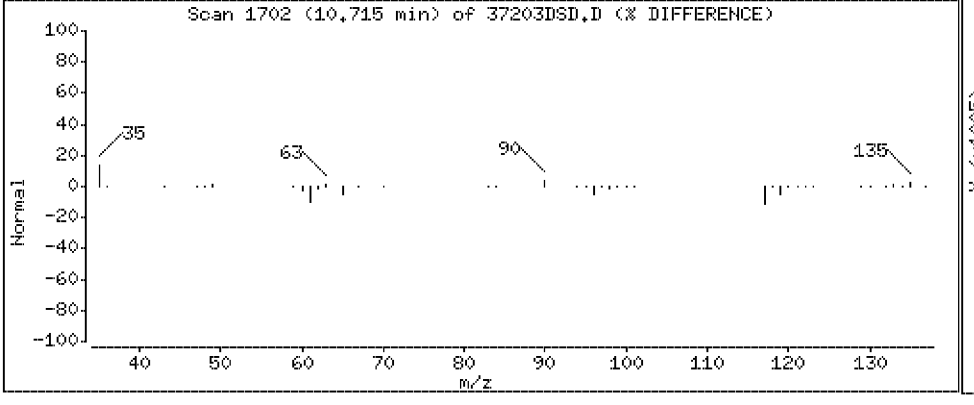
65 1,1,1,2-Tetrachloroethane

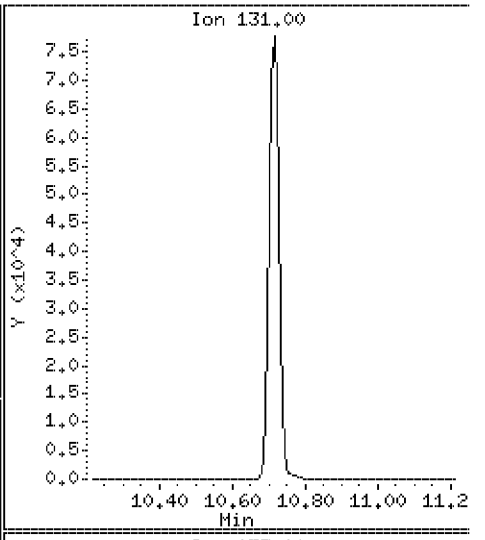
Concentration: 198 ug/l

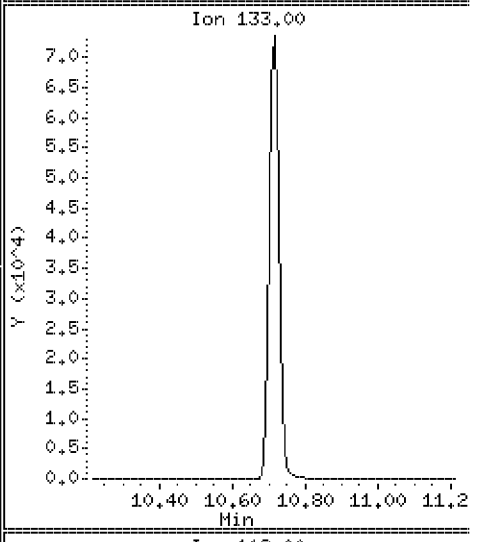


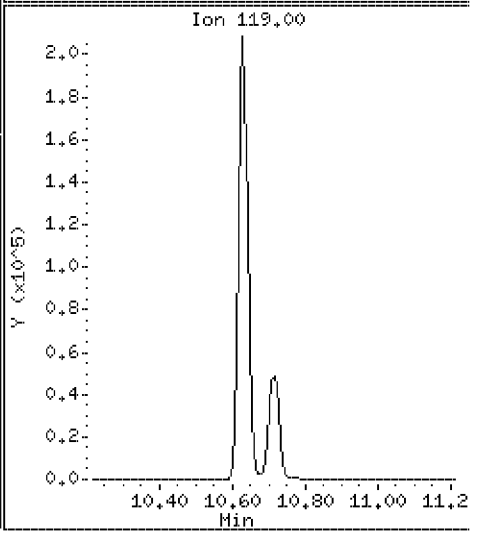












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

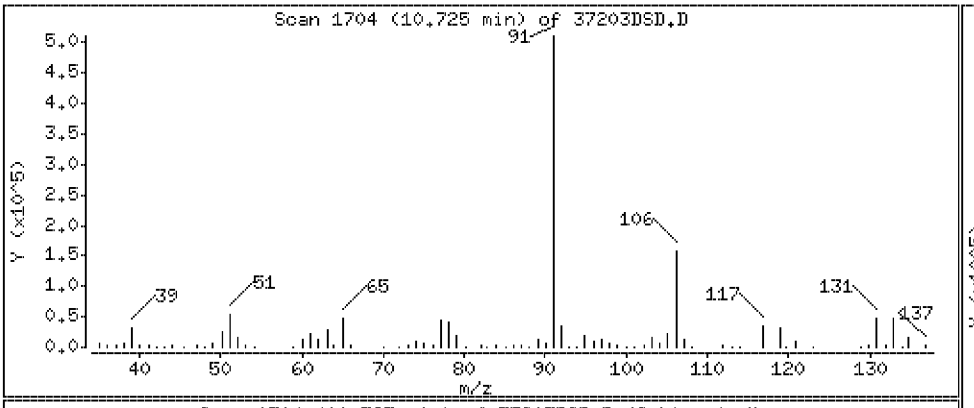
Operator:

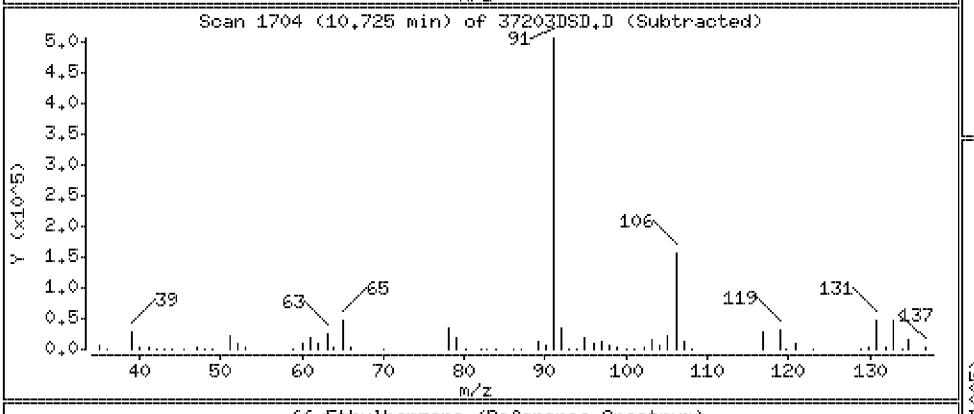
Column phase: DB-624

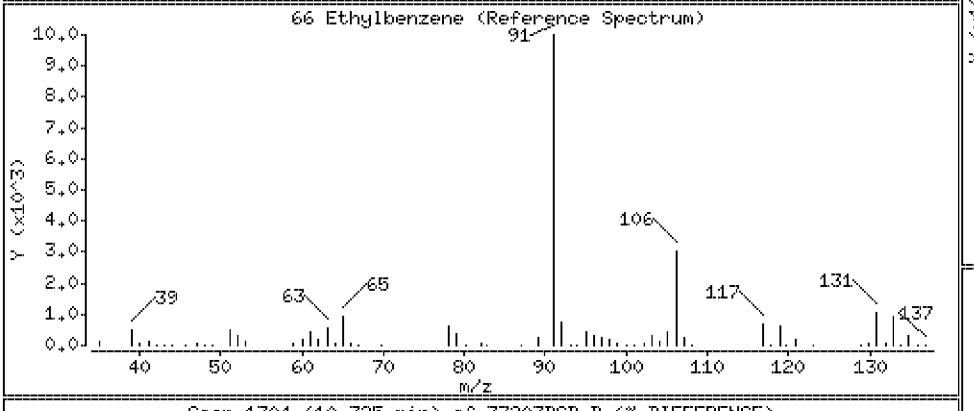
Column diameter: 0.18

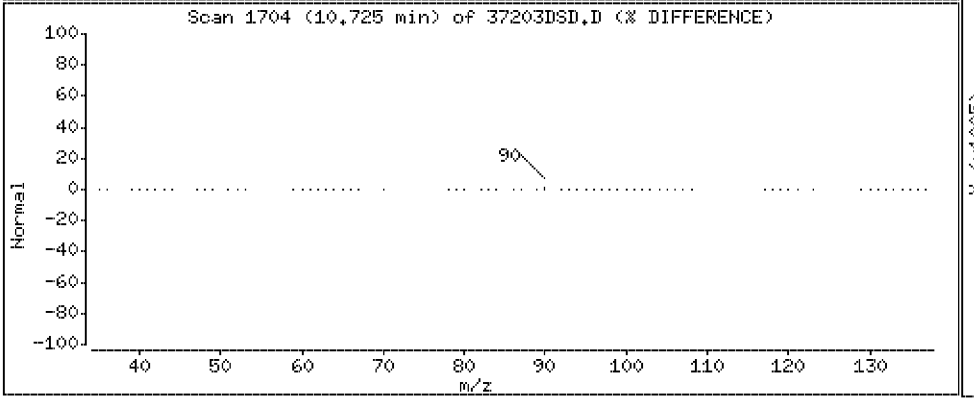
66 Ethylbenzene

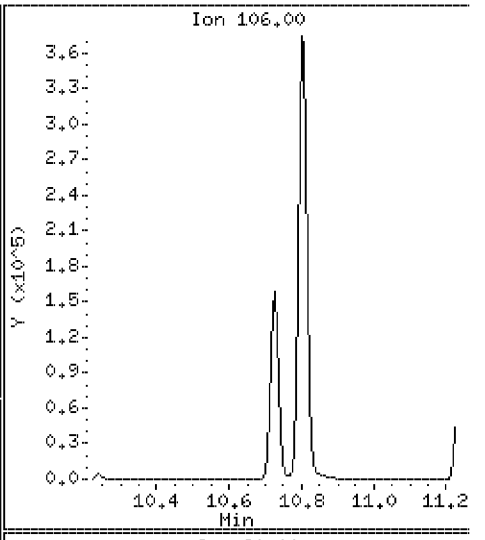
Concentration: 193 ug/l

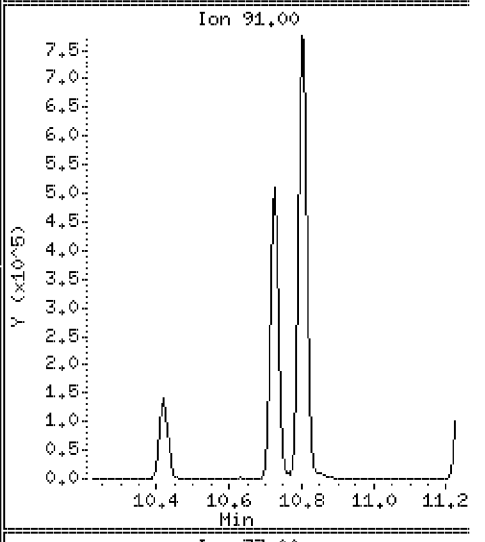


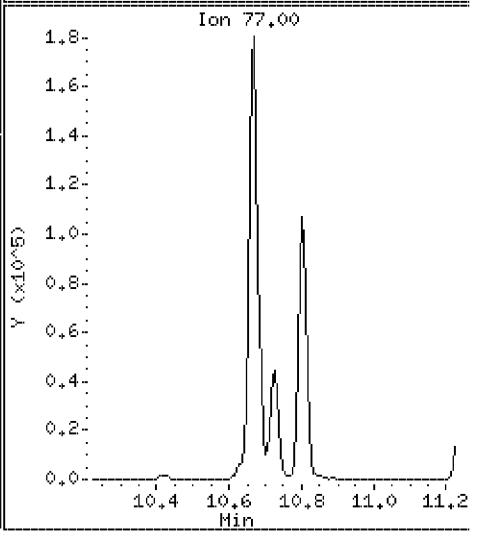












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

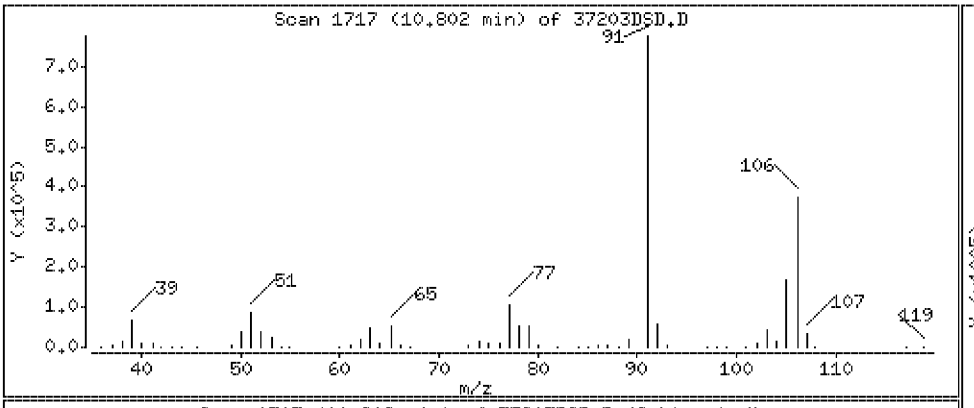
Operator:

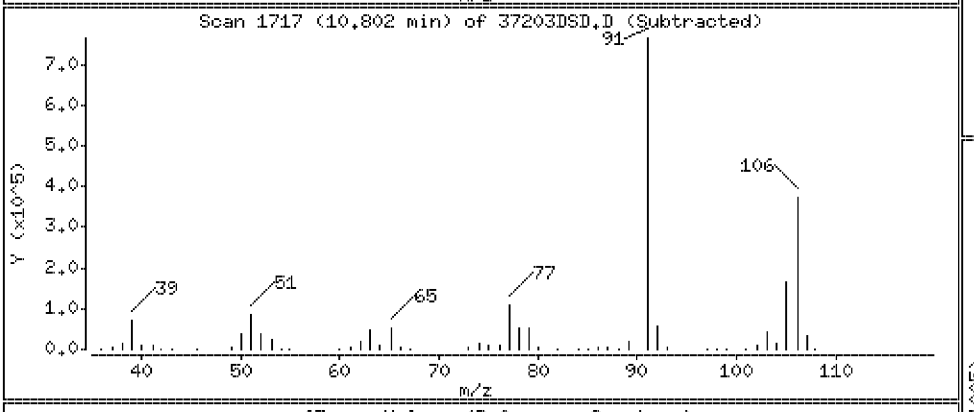
Column phase: DB-624

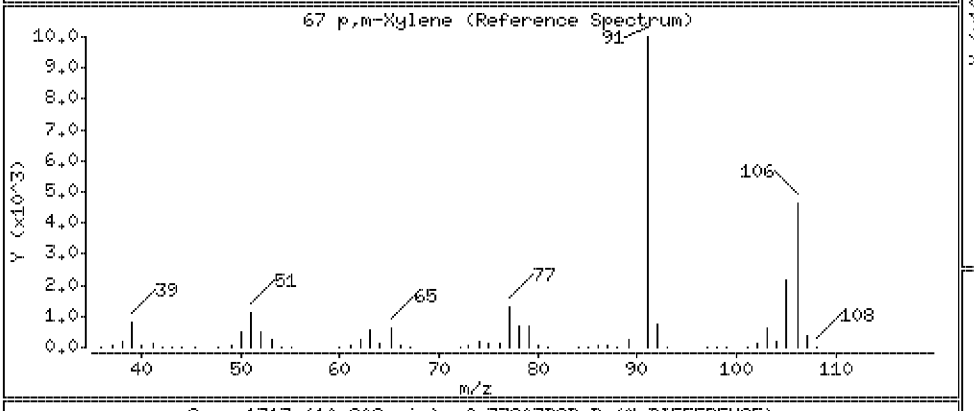
Column diameter: 0.18

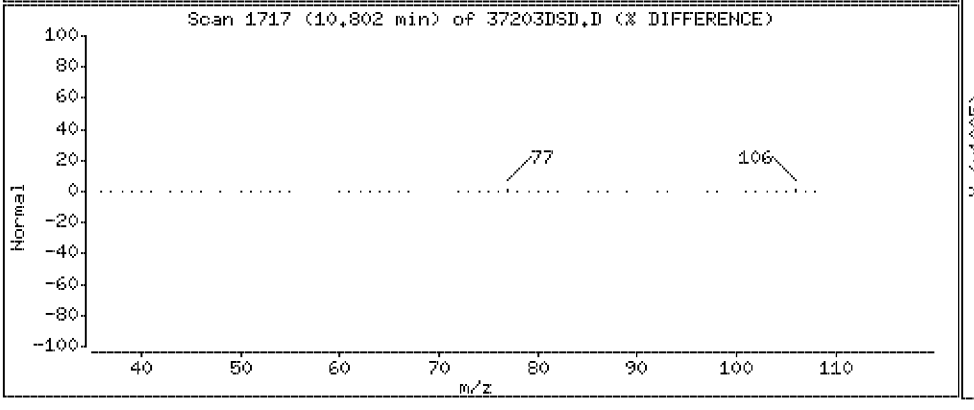
67 p,m-Xylene

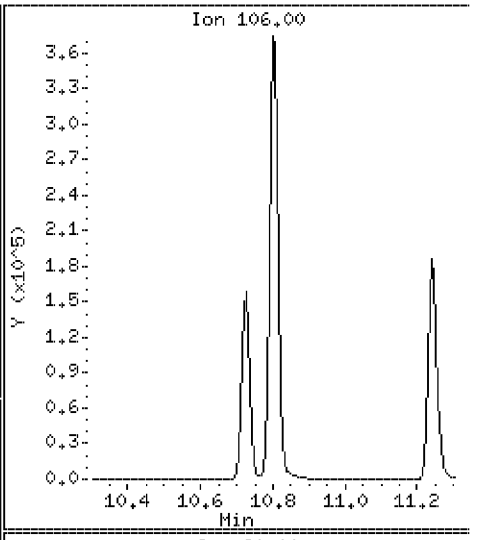
Concentration: 380 ug/l

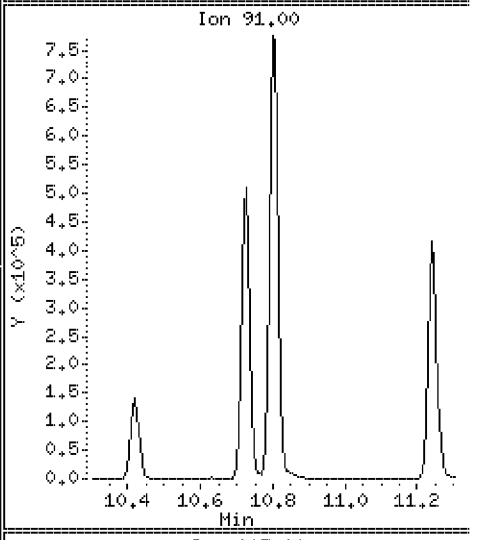


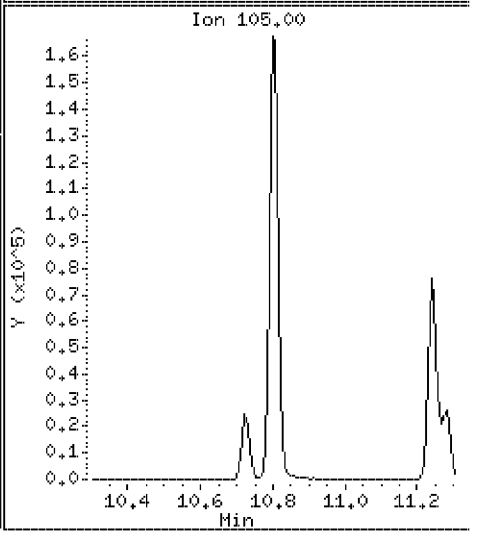












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

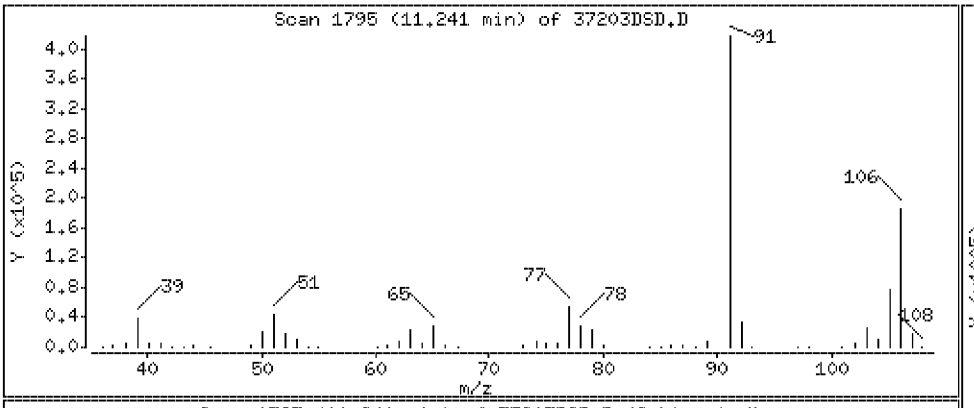
Operator:

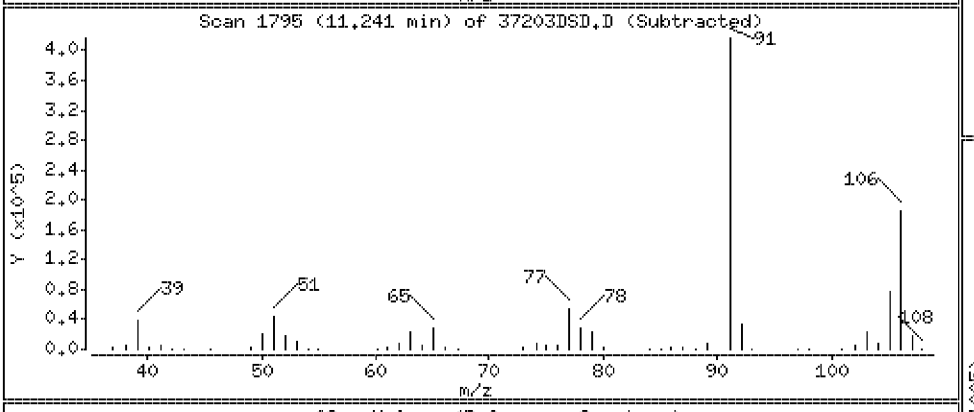
Column phase: DB-624

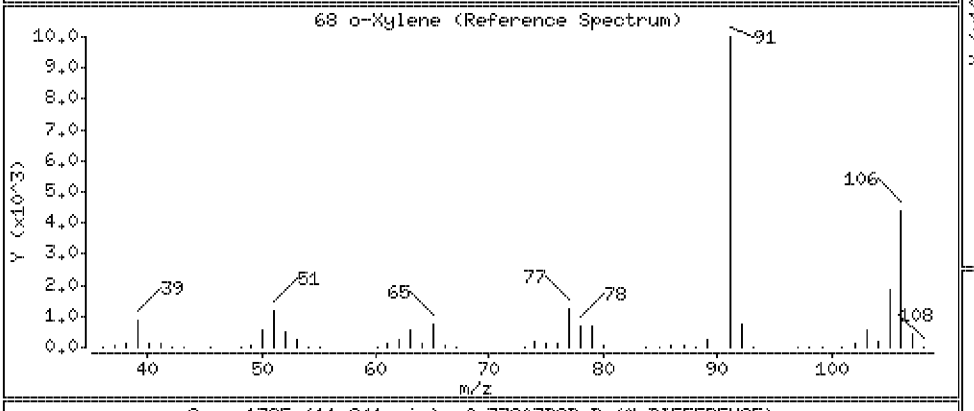
Column diameter: 0.18

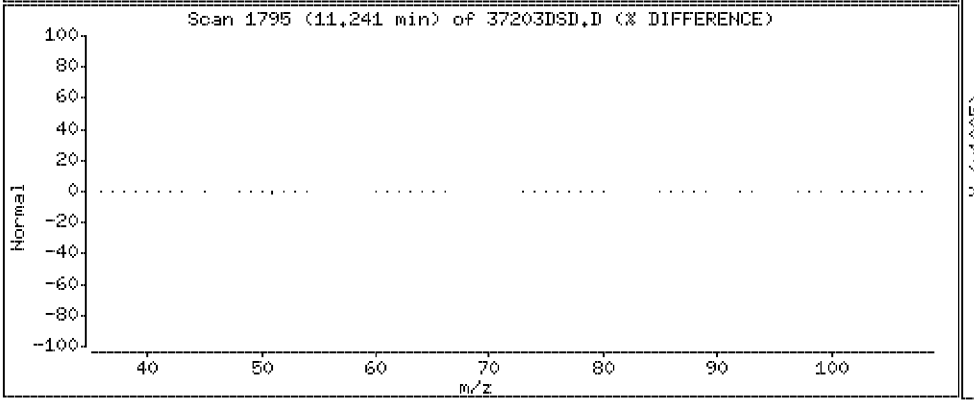
68 o-Xylene

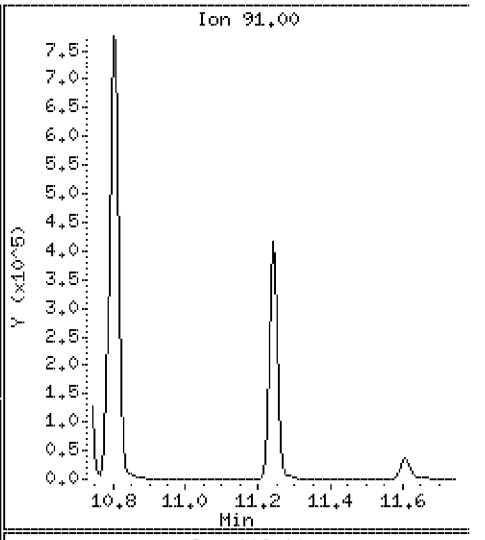
Concentration: 183 ug/l

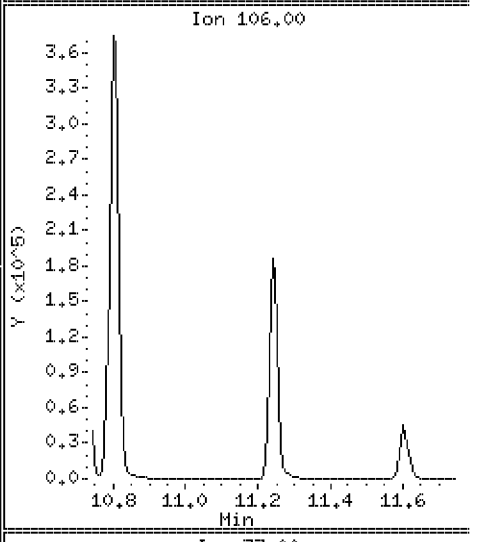


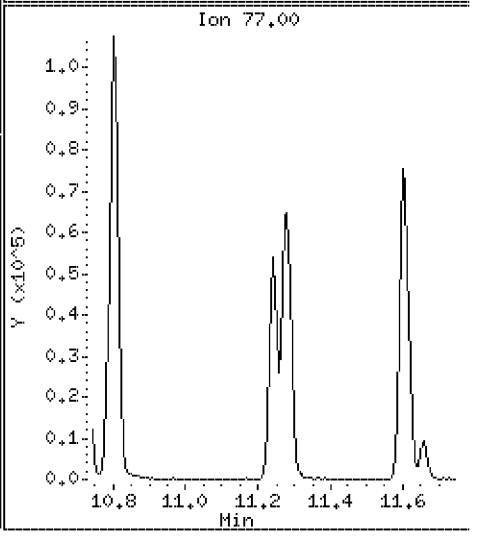












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

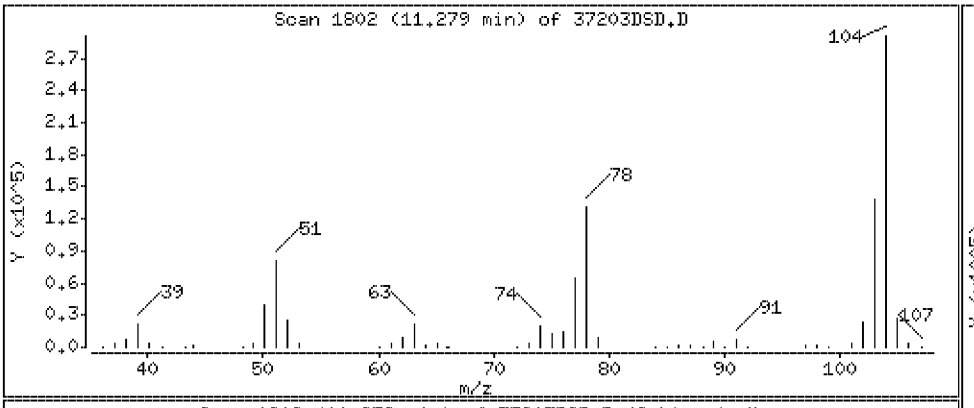
Operator:

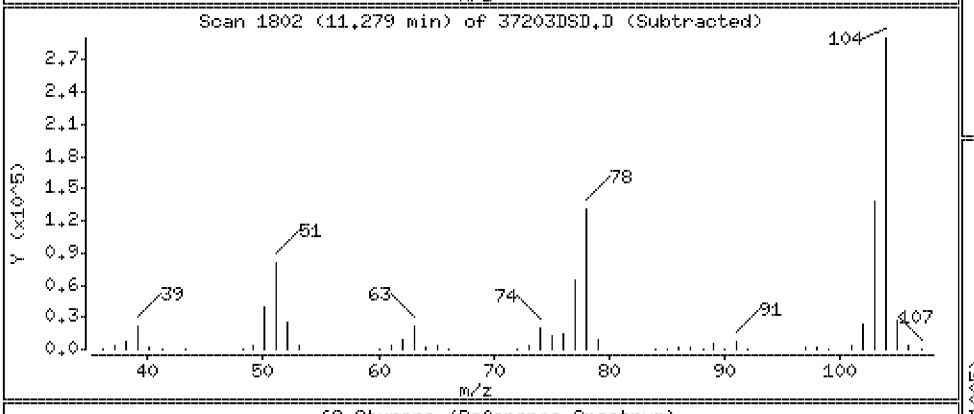
Column phase: DB-624

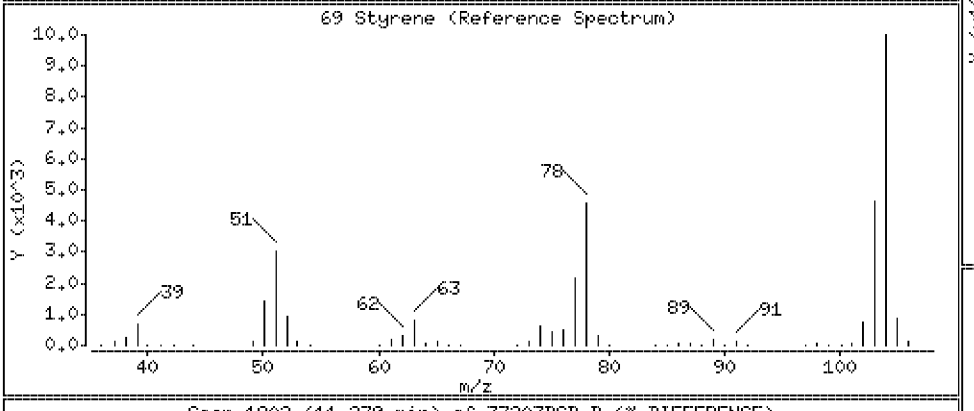
Column diameter: 0.18

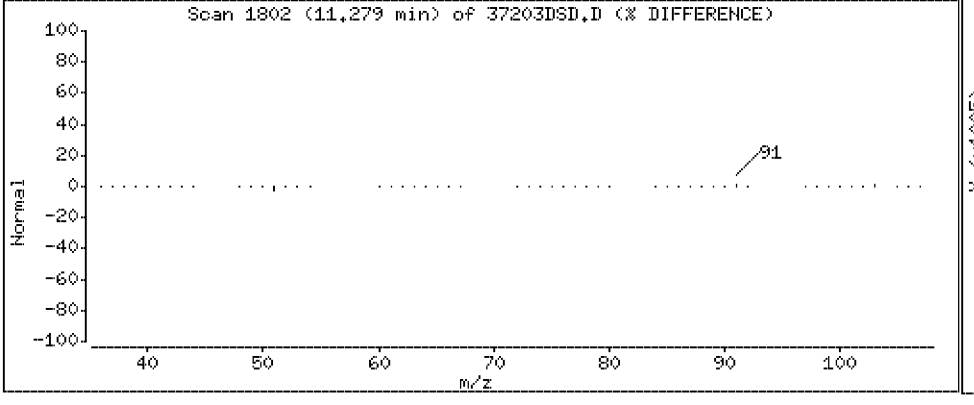
69 Styrene

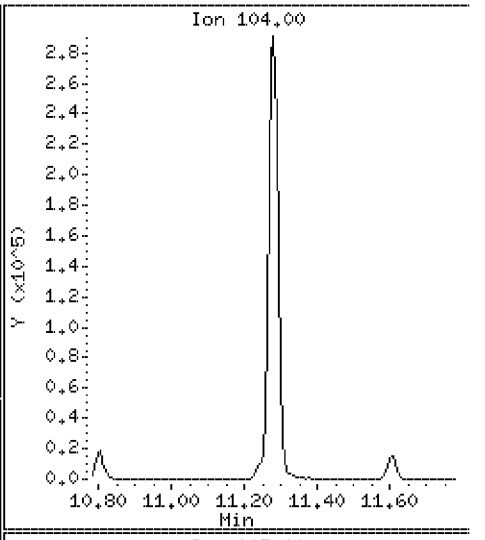
Concentration: 184 ug/l

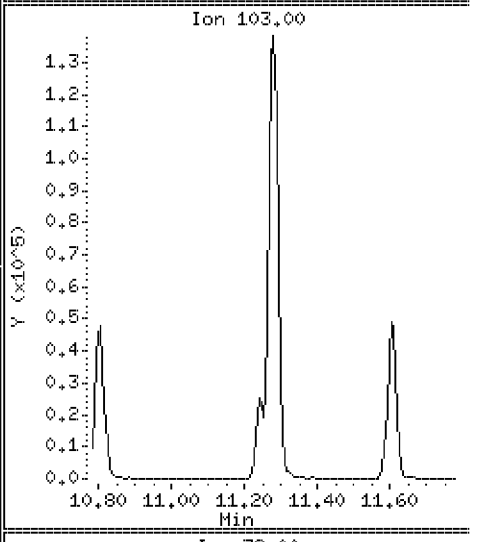


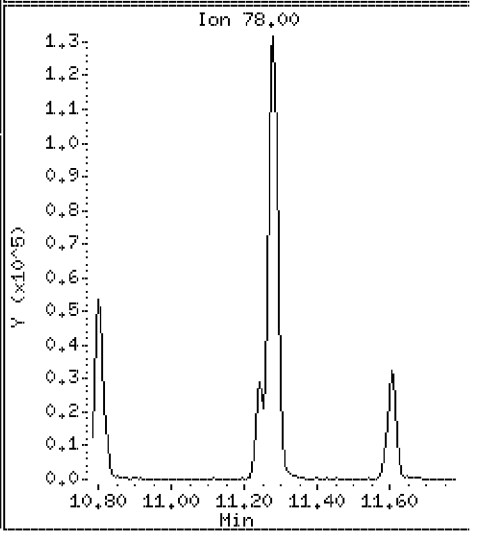












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

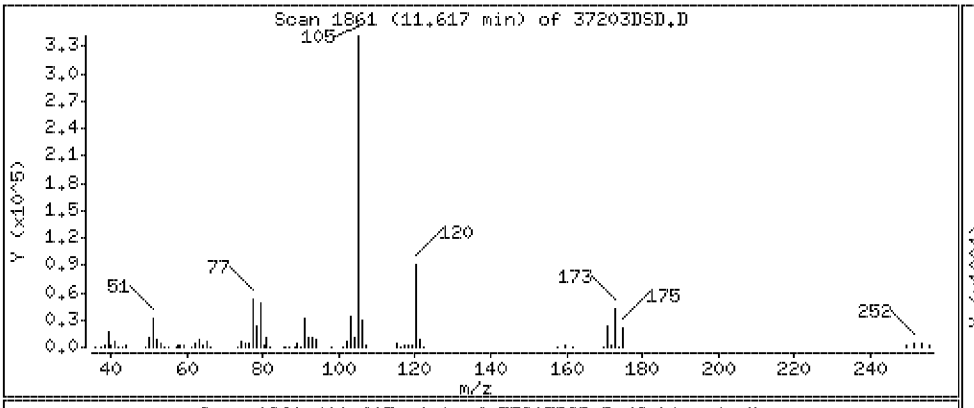
Operator:

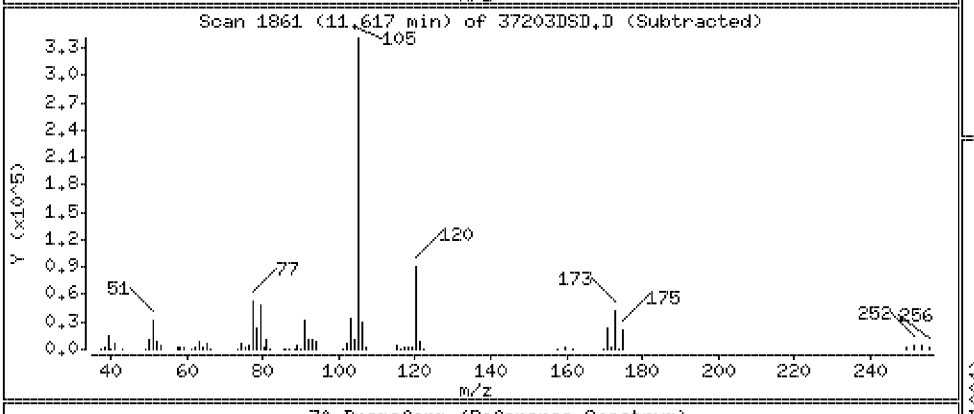
Column phase: DB-624

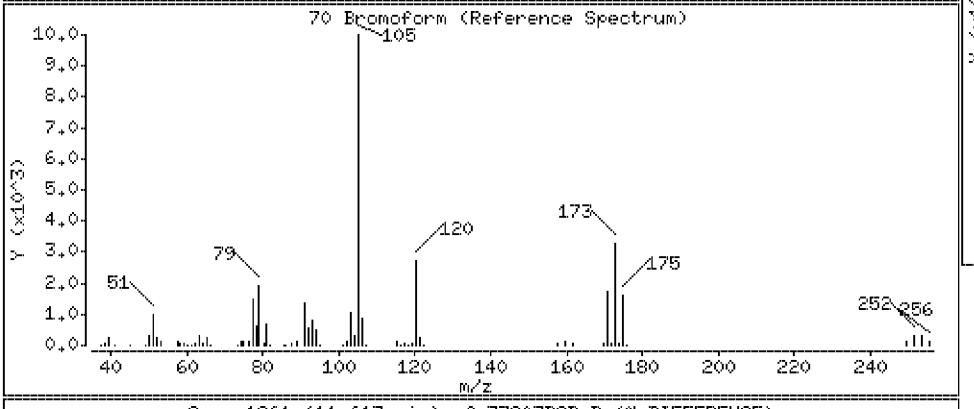
Column diameter: 0.18

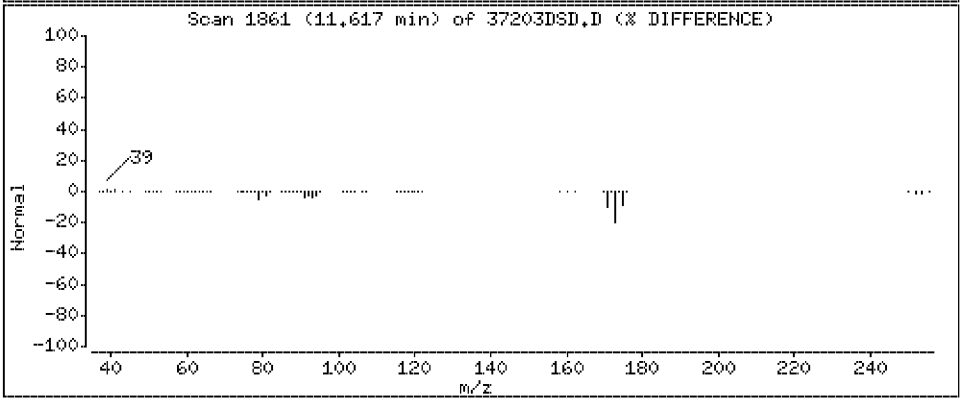
70 Bromoform

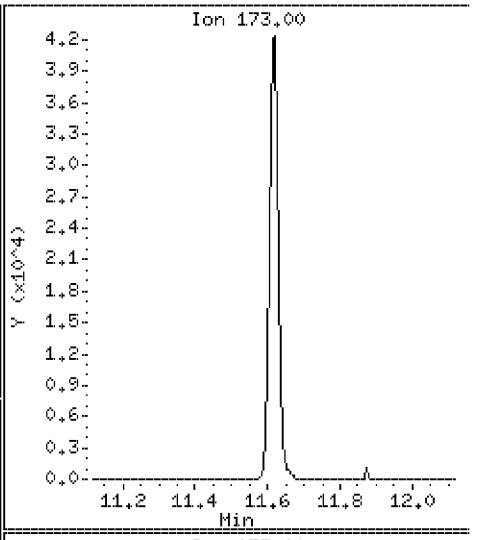
Concentration: 177 ug/l

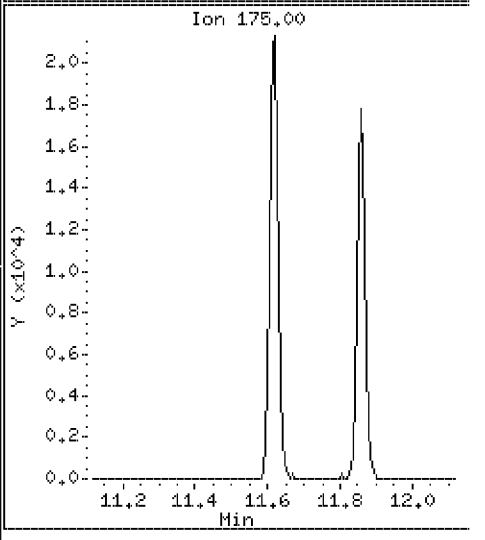












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

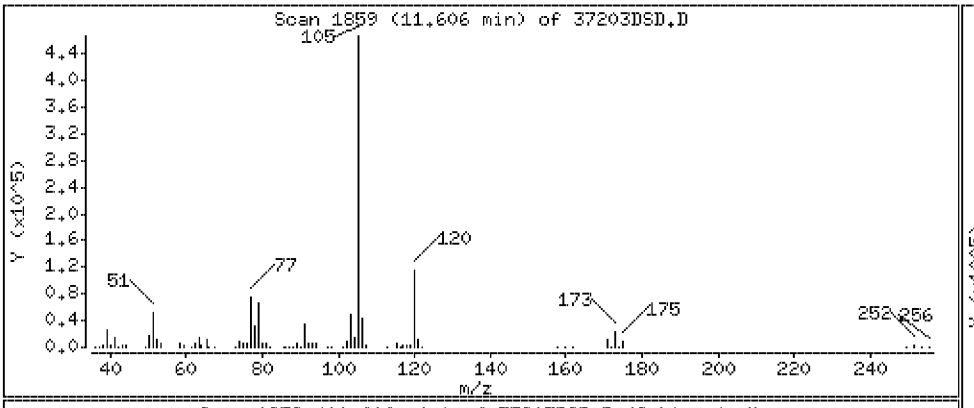
Operator:

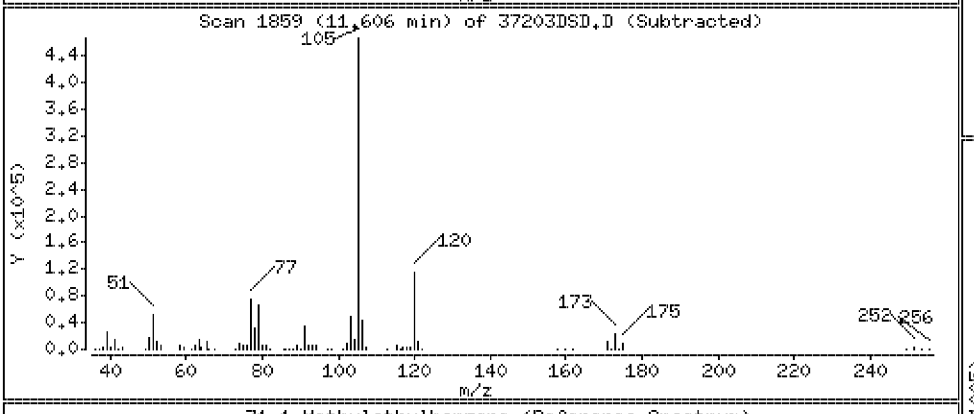
Column phase: DB-624

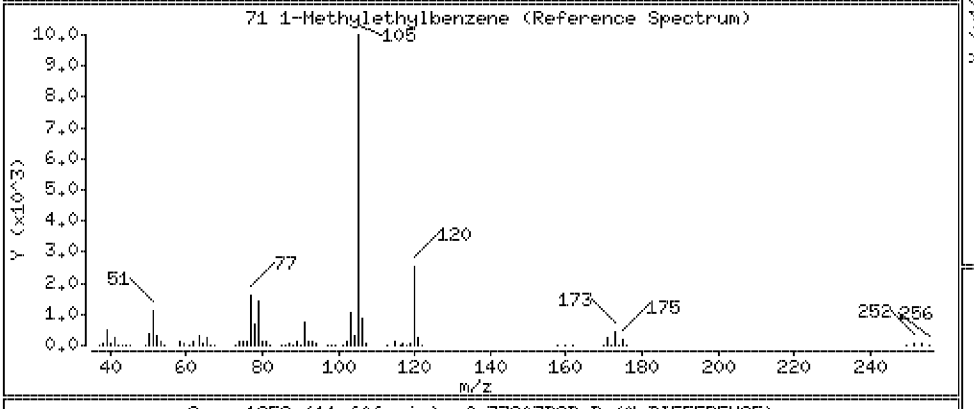
Column diameter: 0.18

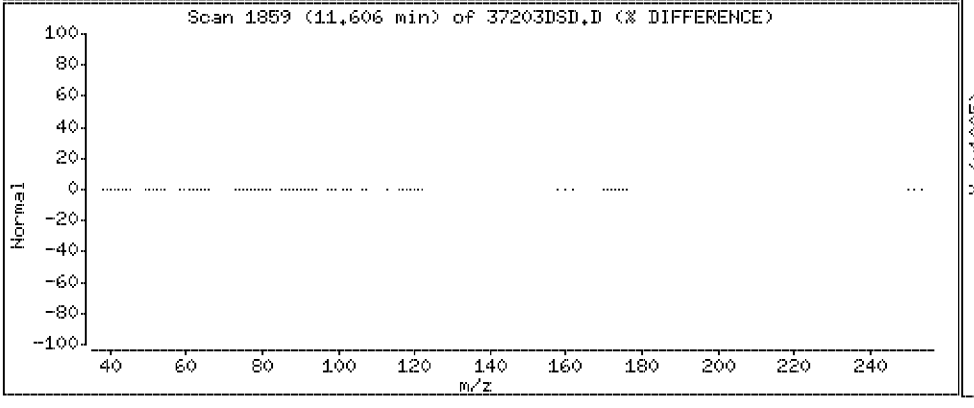
71 1-Methylethylbenzene

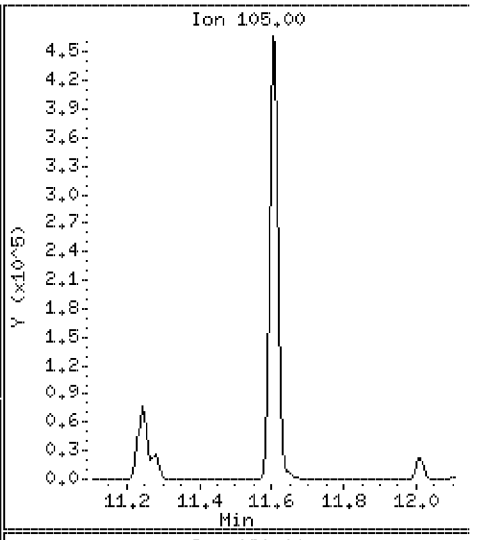
Concentration: 198 ug/l

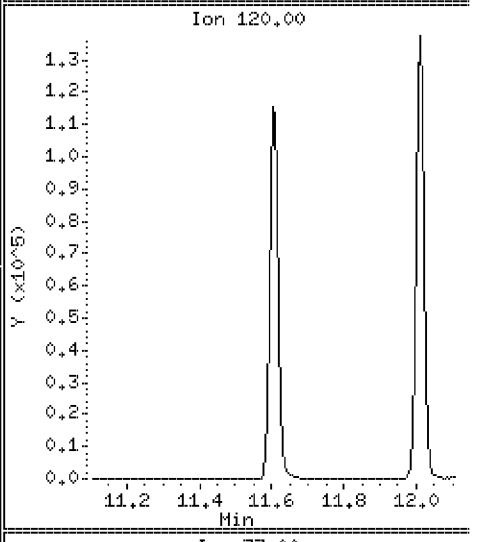


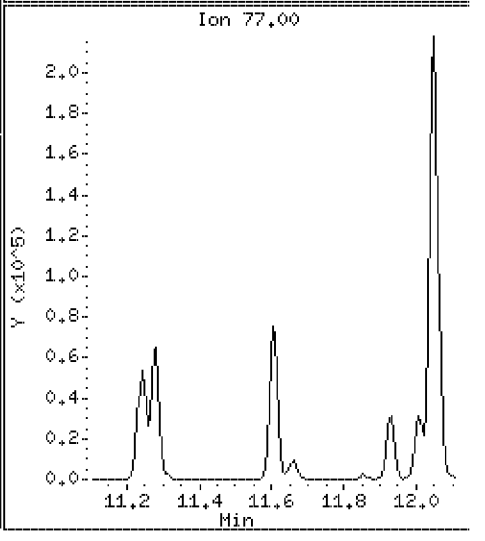












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

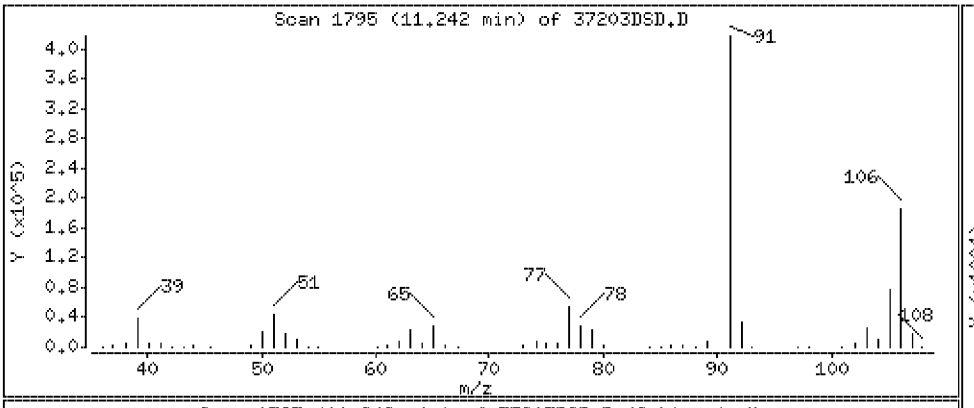
Operator:

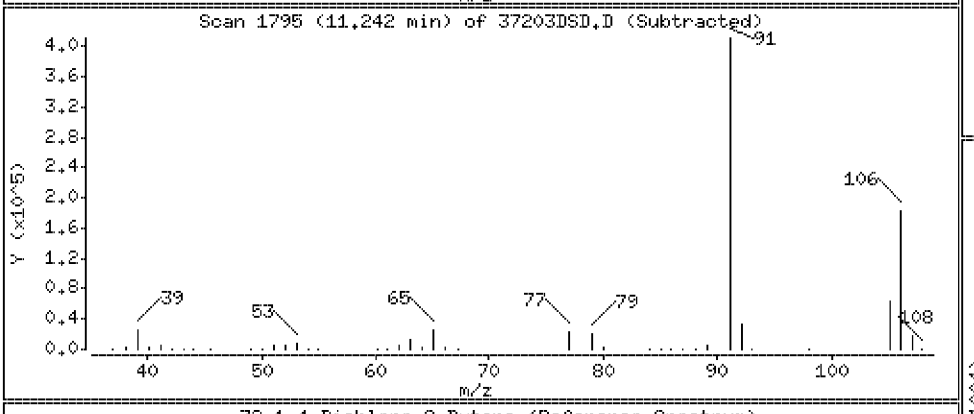
Column phase: DB-624

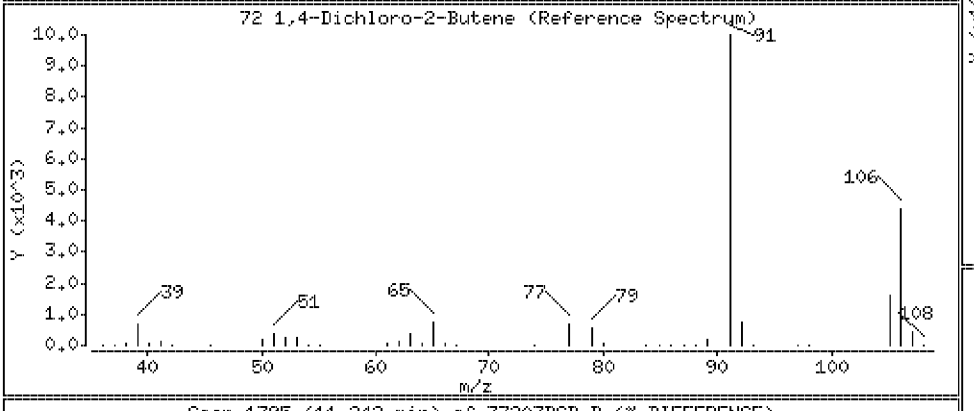
Column diameter: 0.18

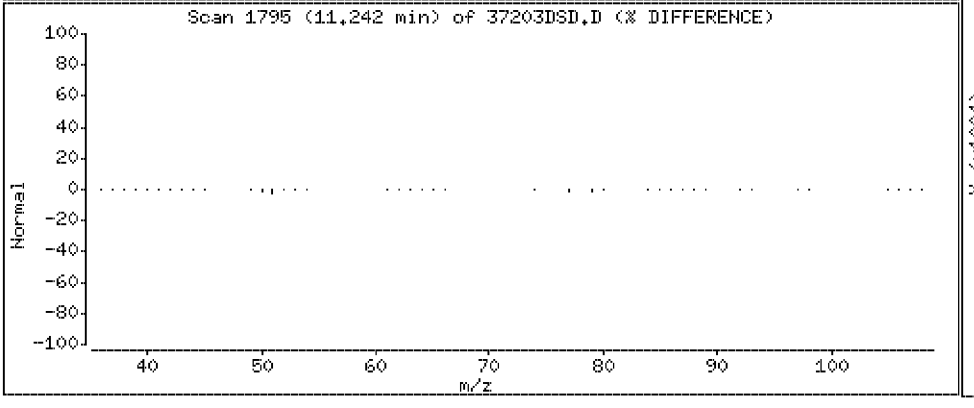
72 1,4-Dichloro-2-Butene

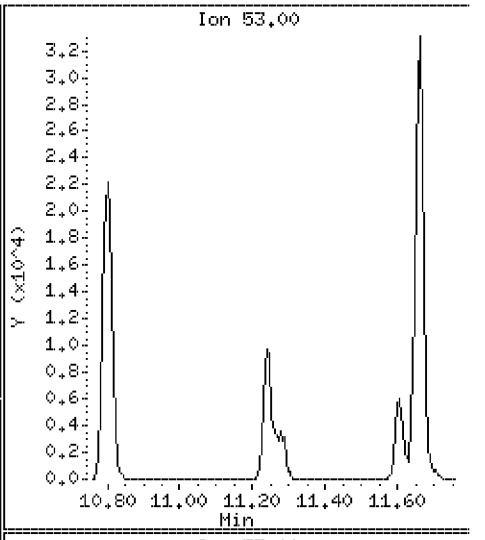
Concentration: 905 ug/l

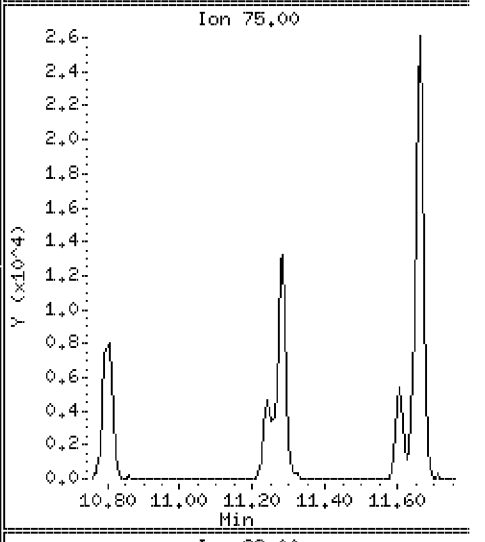


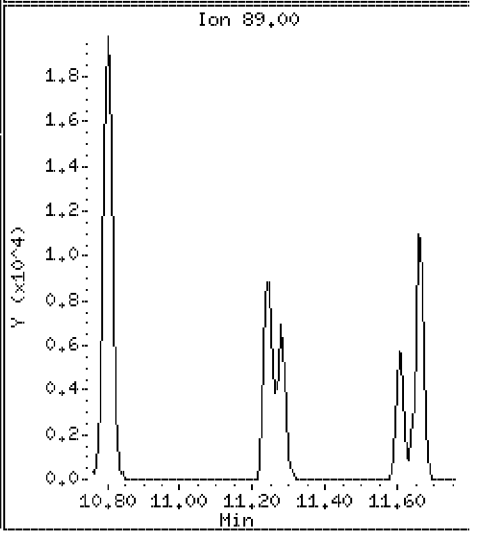












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

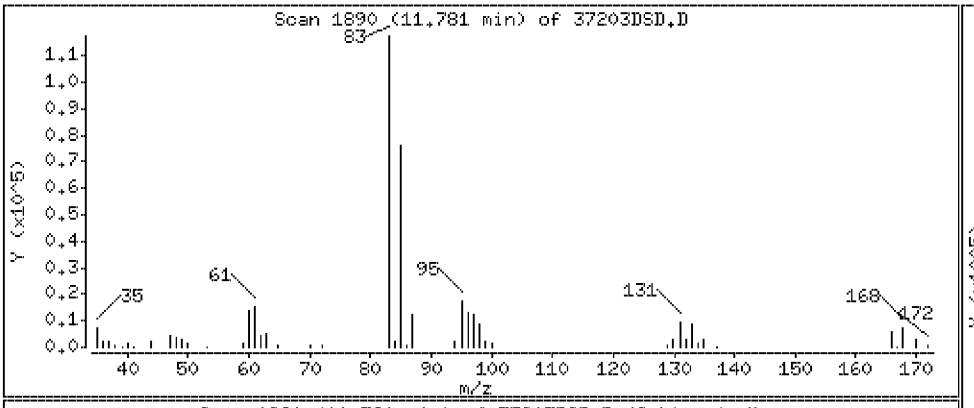
Operator:

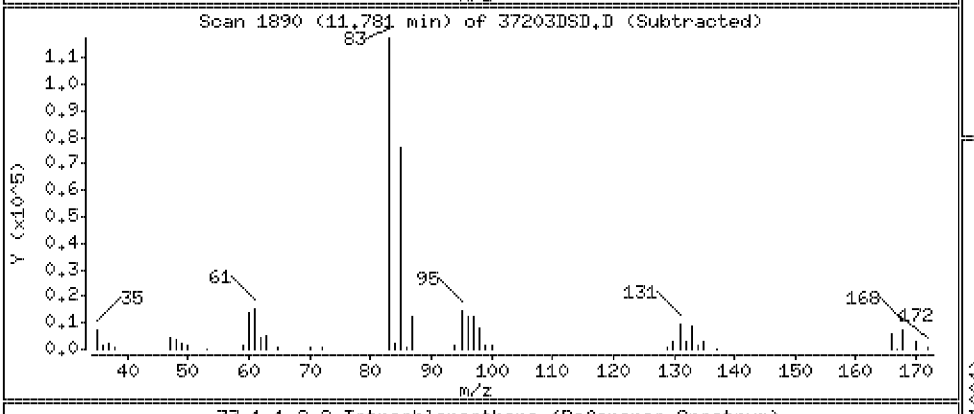
Column phase: DB-624

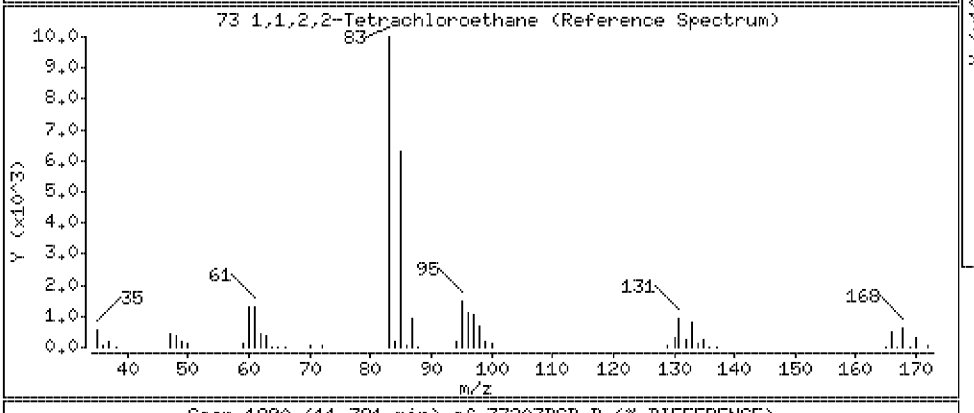
Column diameter: 0.18

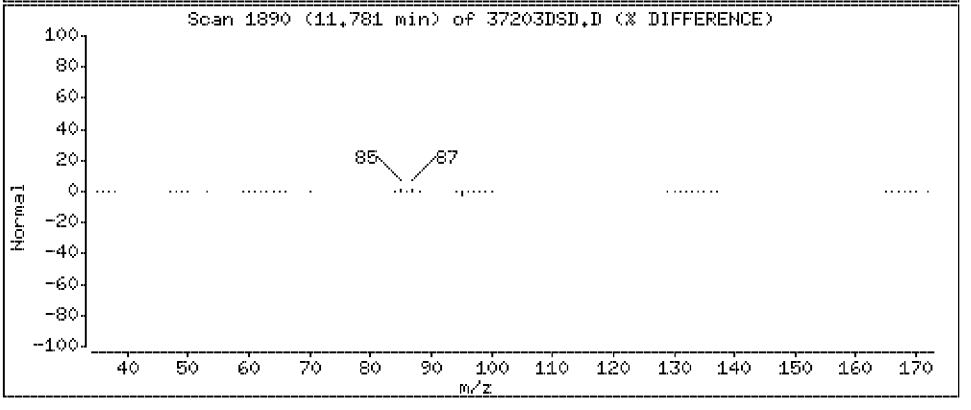
73 1,1,2,2-Tetrachloroethane

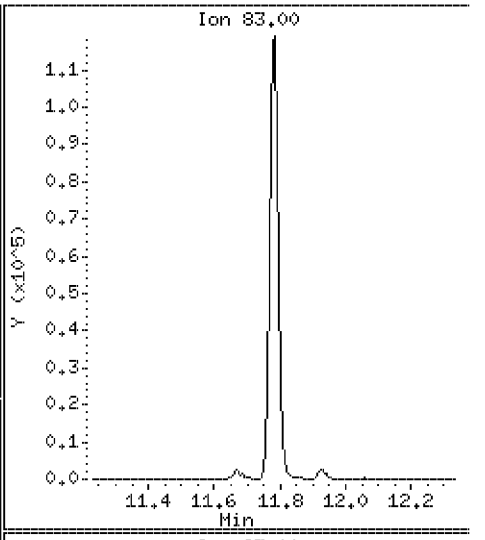
Concentration: 187 ug/l

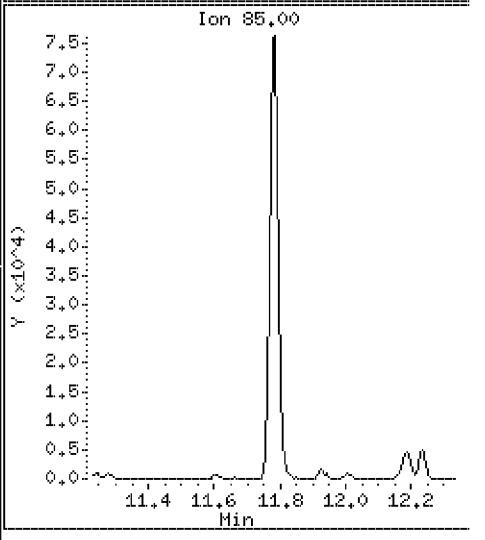












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

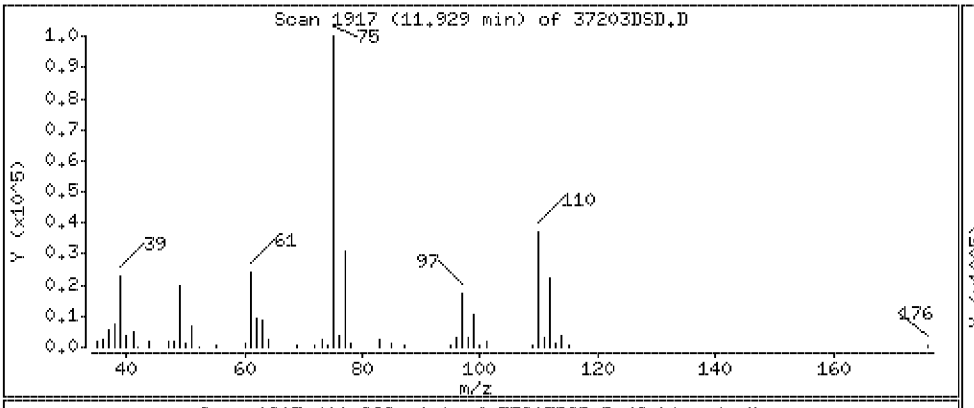
Operator:

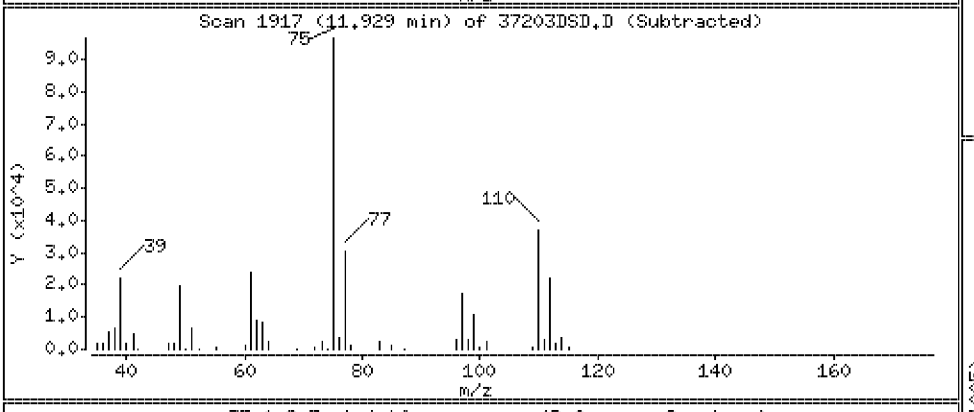
Column phase: DB-624

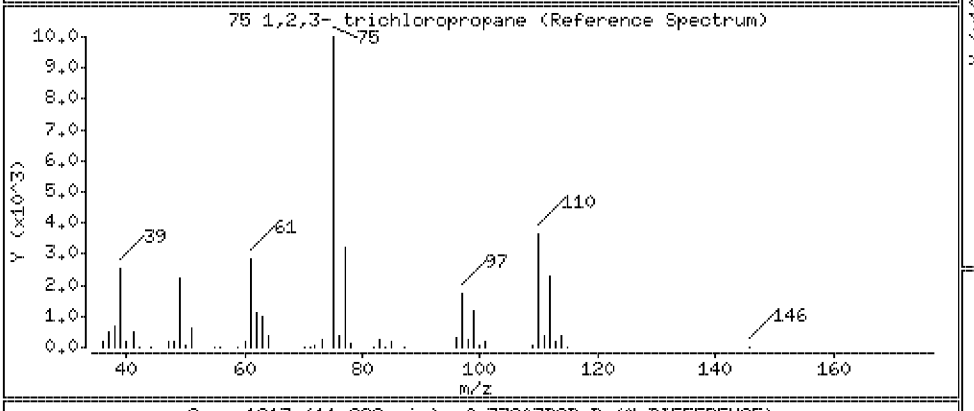
Column diameter: 0.18

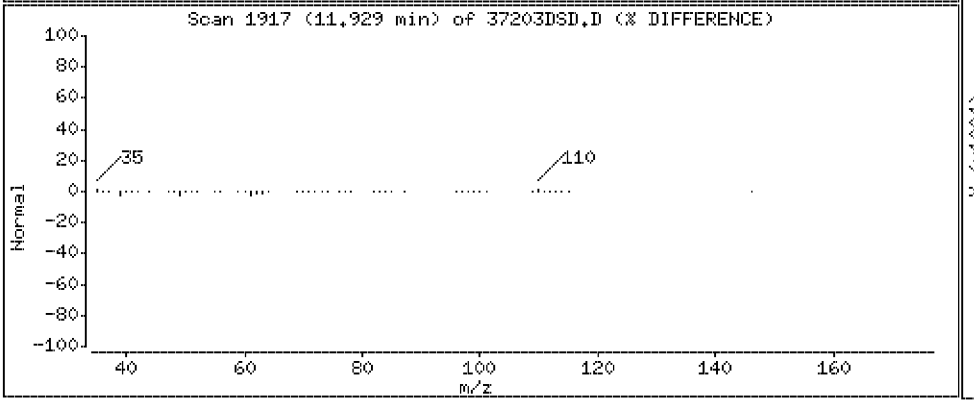
75 1,2,3- trichloropropane

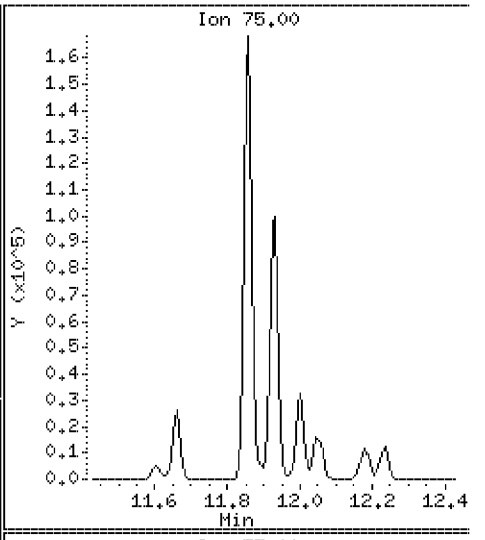
Concentration: 196 ug/l

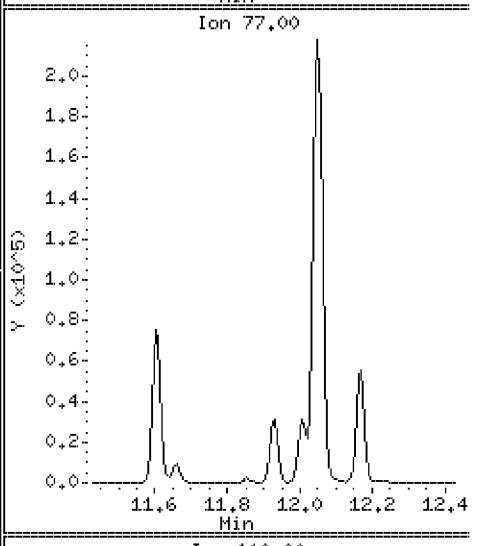


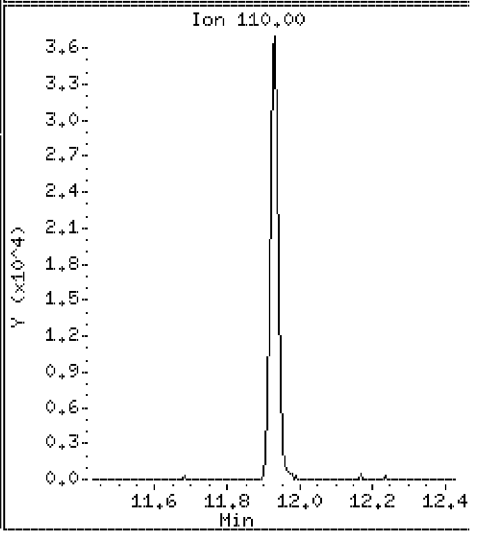












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

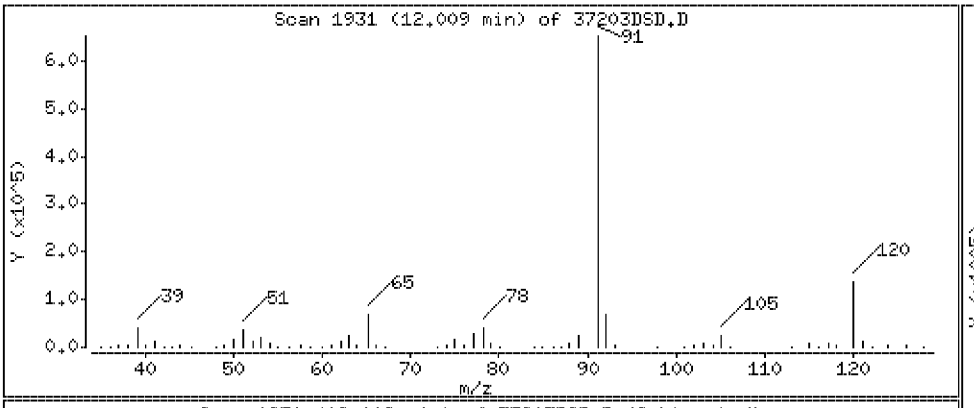
Operator:

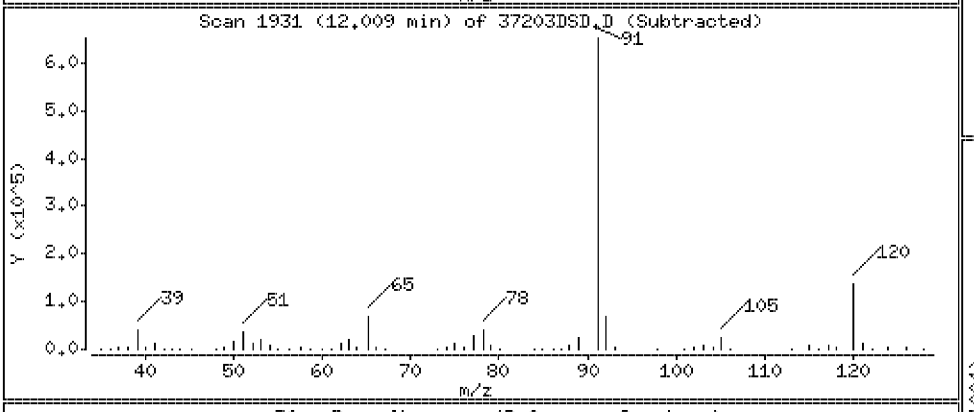
Column phase: DB-624

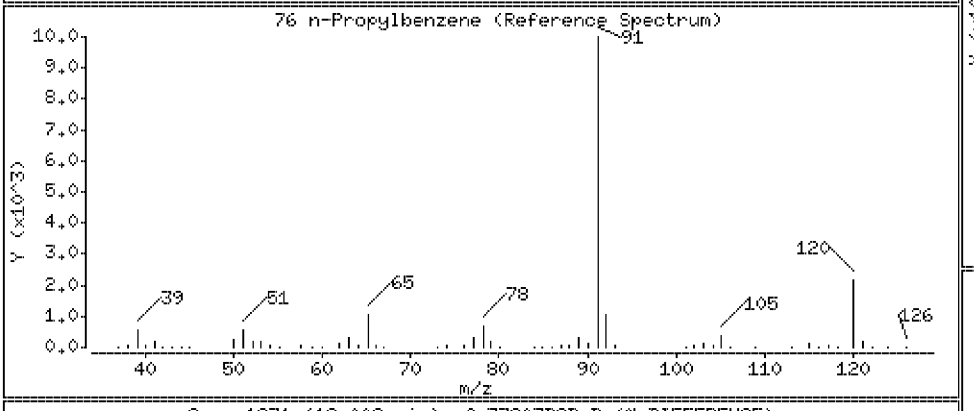
Column diameter: 0.18

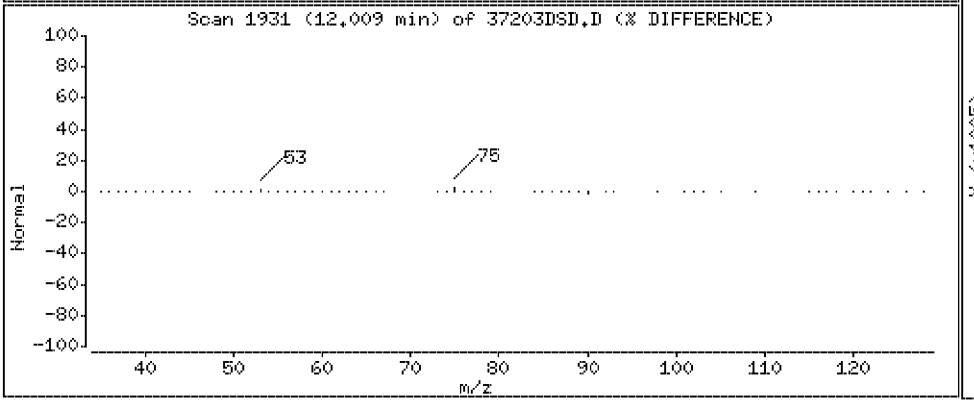
76 n-Propylbenzene

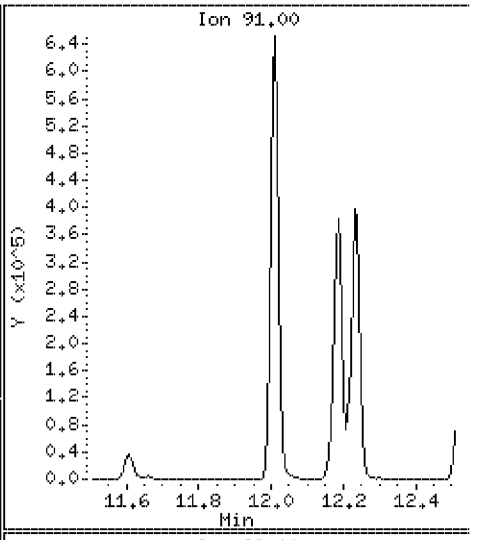
Concentration: 191 ug/l

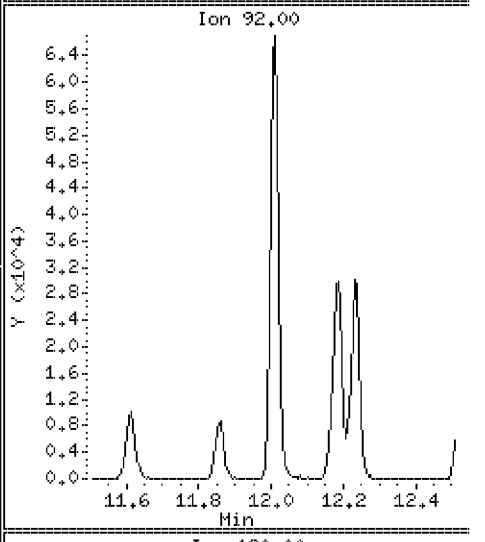


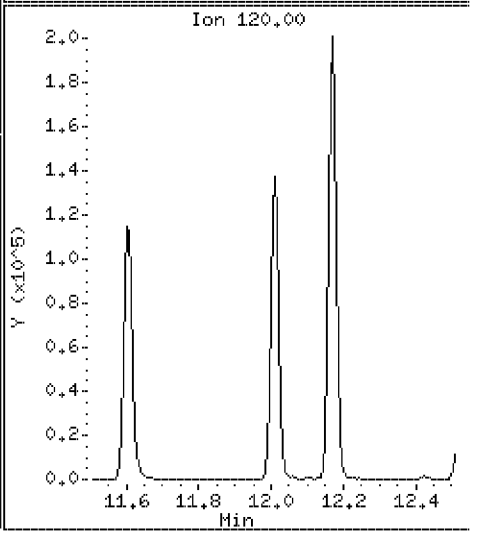












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

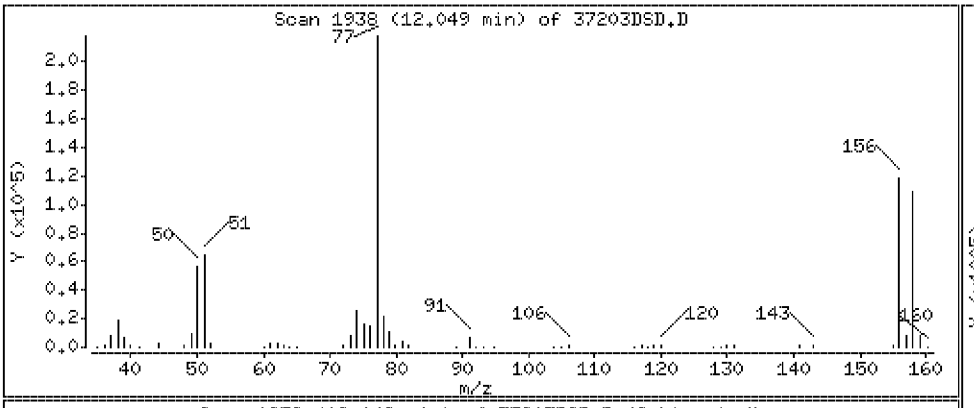
Operator:

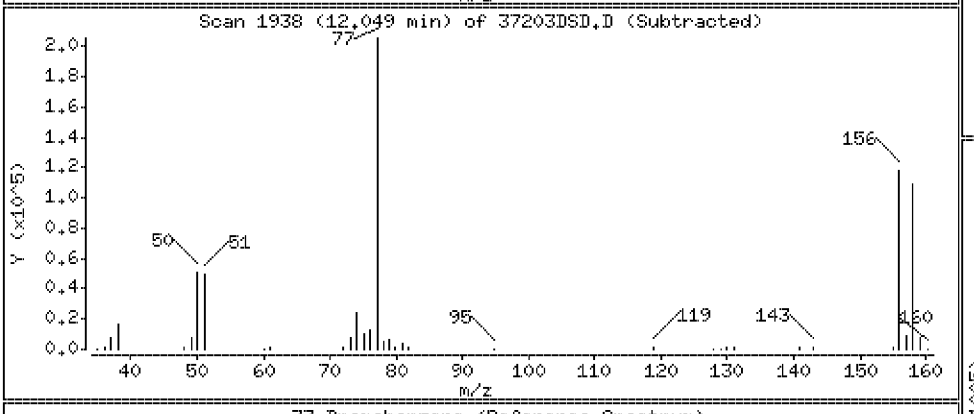
Column phase: DB-624

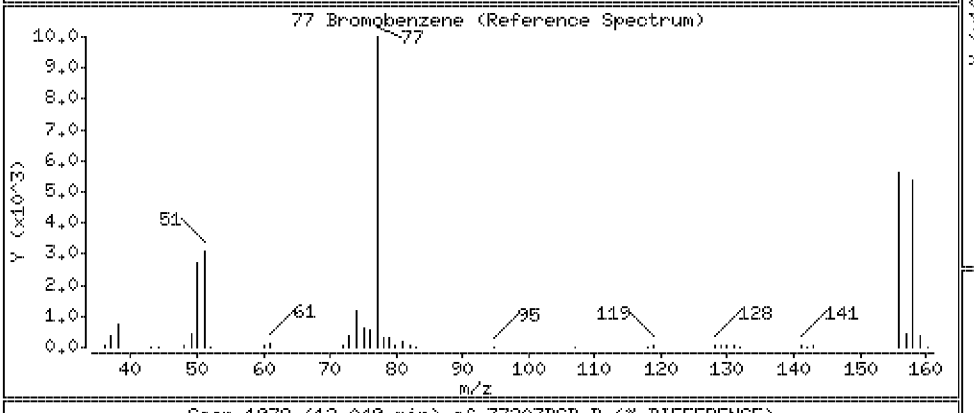
Column diameter: 0.18

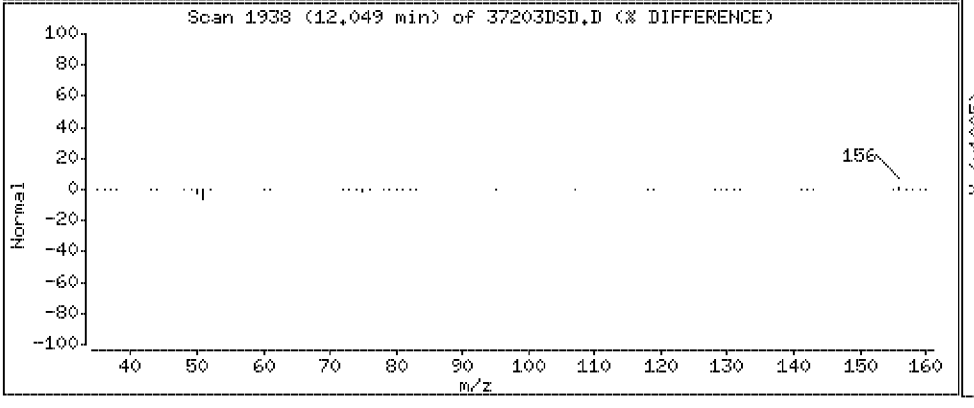
77 Bromobenzene

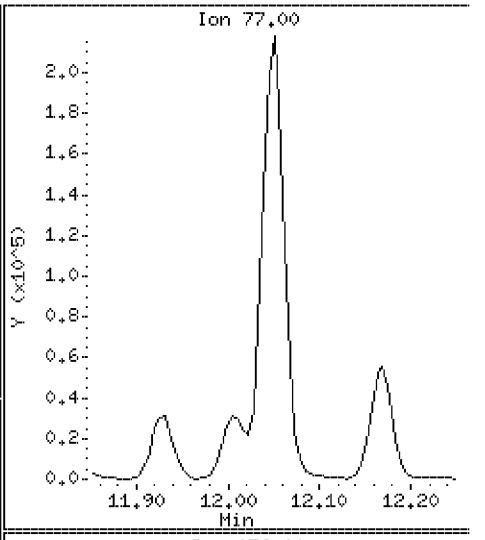
Concentration: 183 ug/l

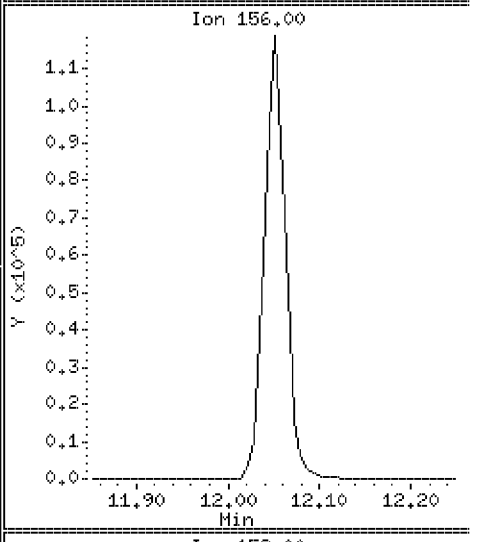


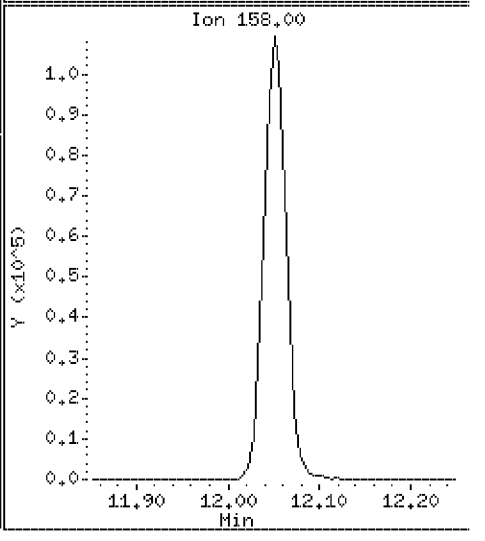












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

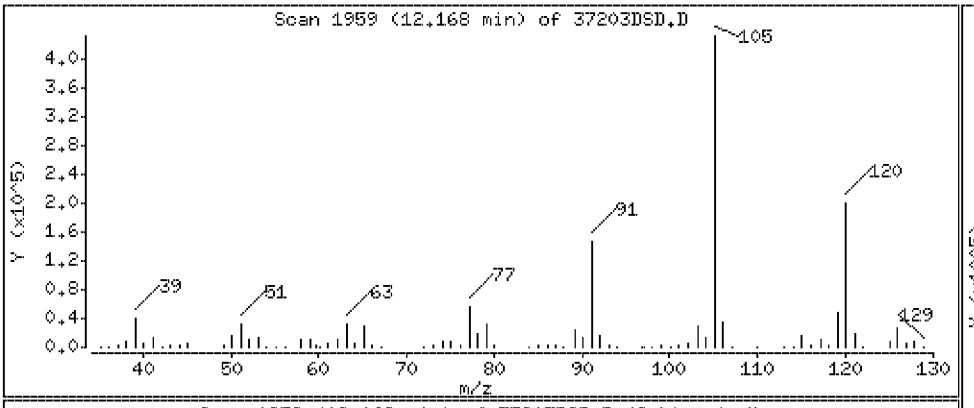
Operator:

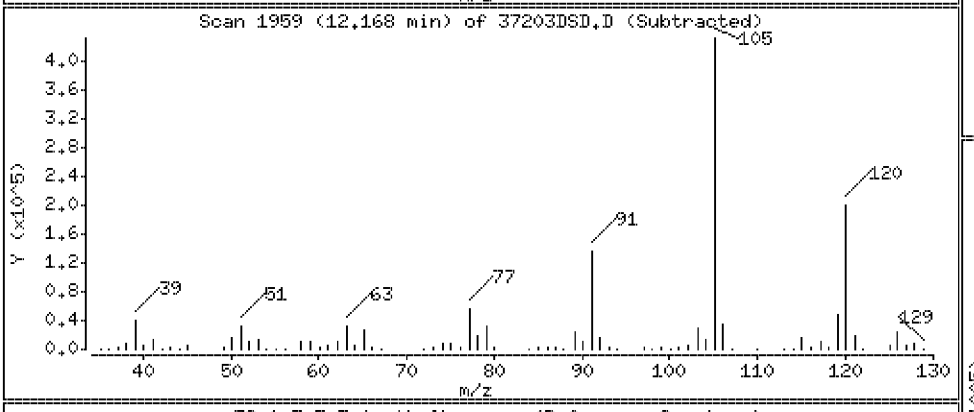
Column phase: DB-624

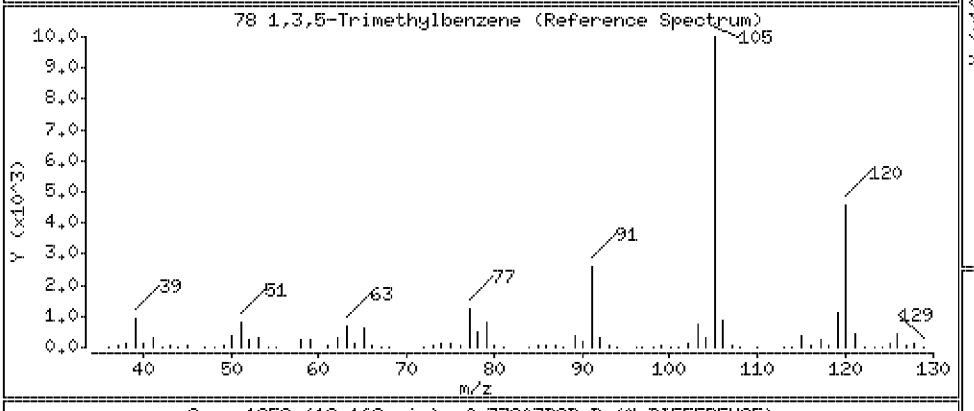
Column diameter: 0.18

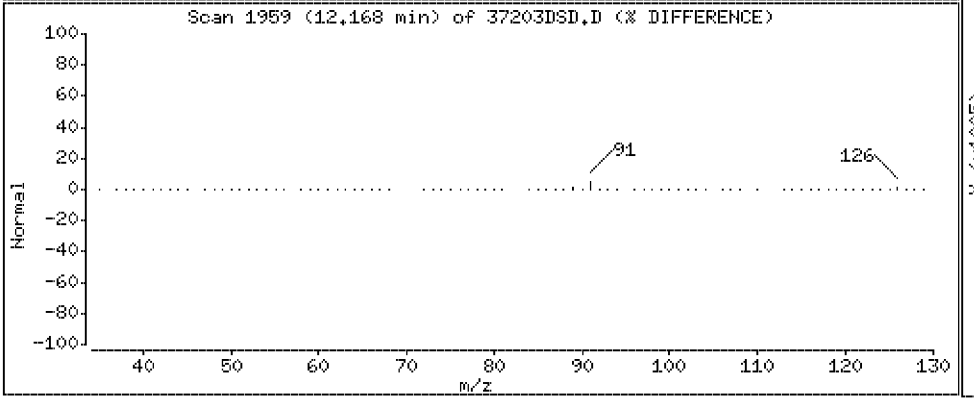
78 1,3,5-Trimethylbenzene

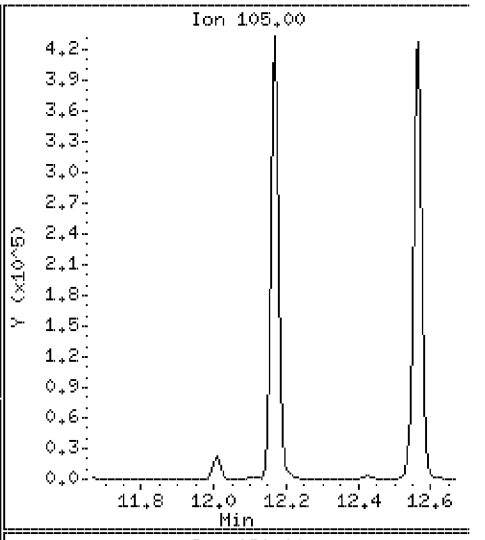
Concentration: 186 ug/l

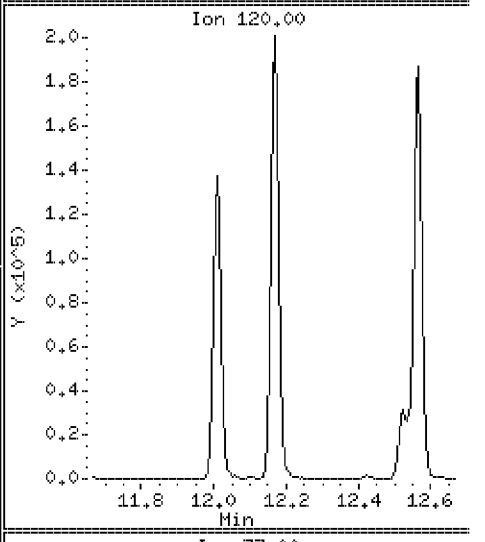


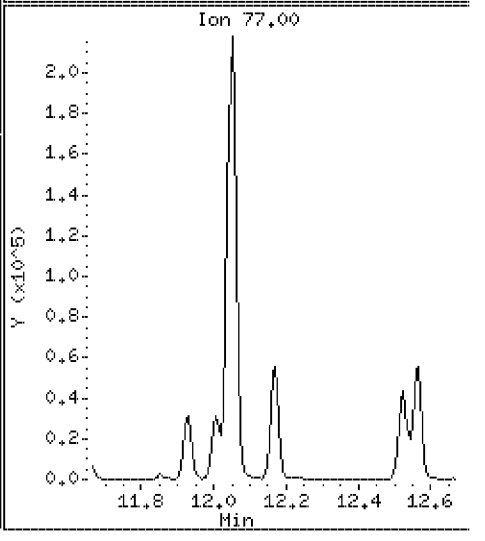












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

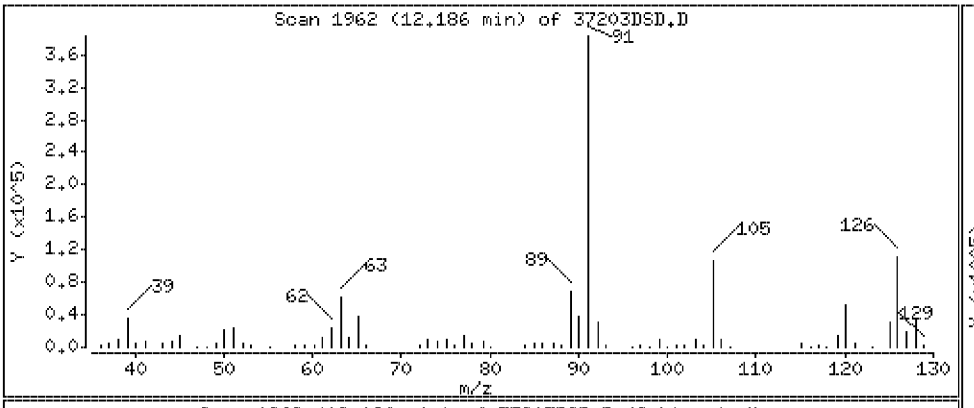
Operator:

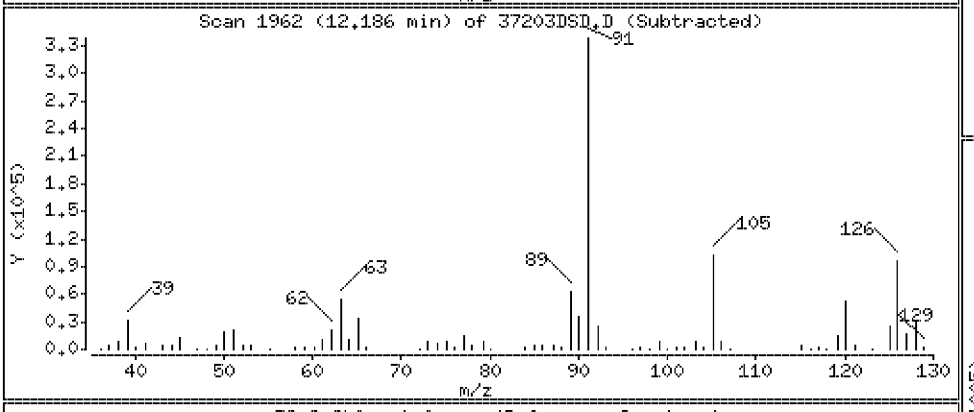
Column phase: DB-624

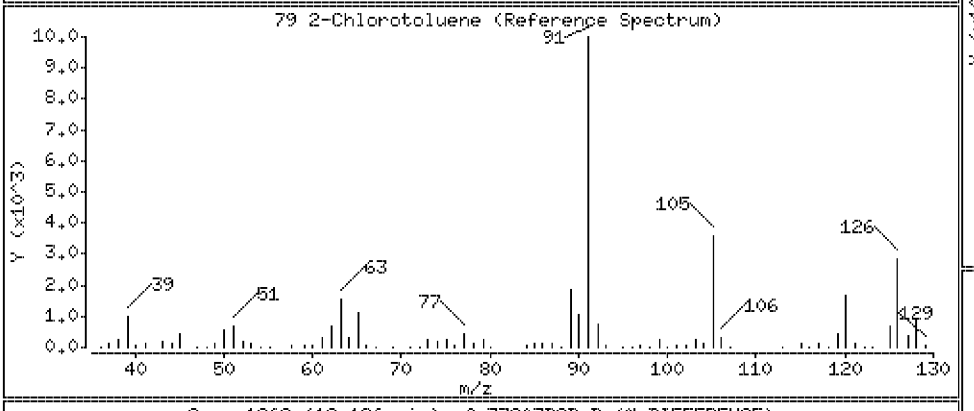
Column diameter: 0.18

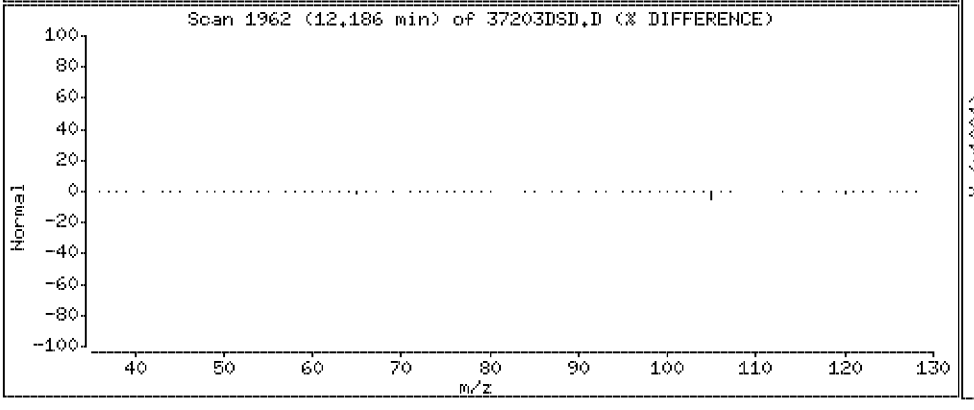
79 2-Chlorotoluene

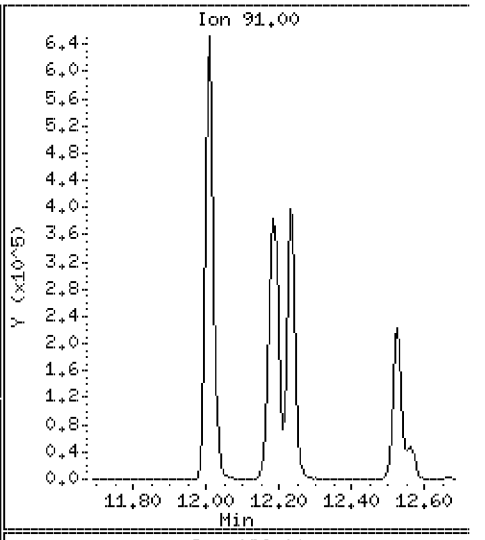
Concentration: 190 ug/l

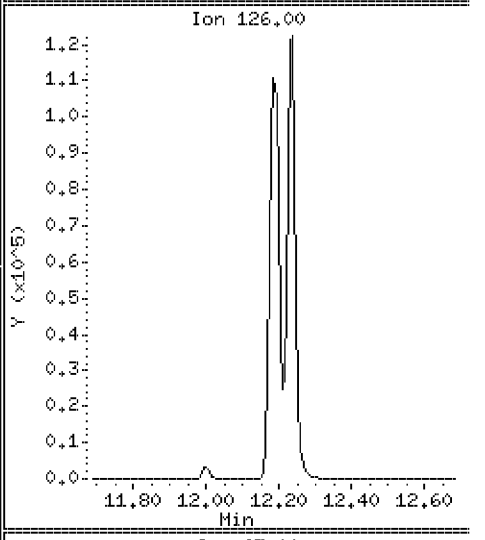


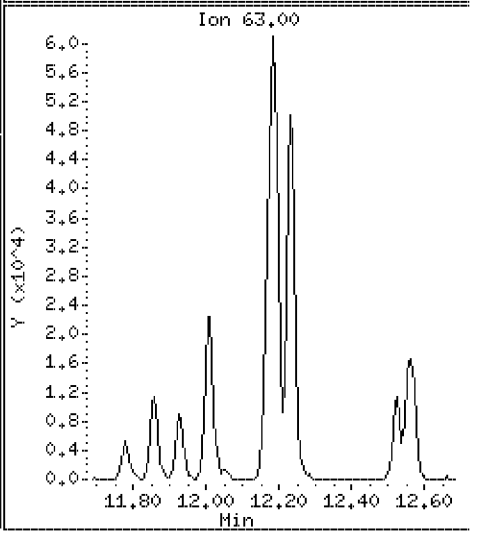












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

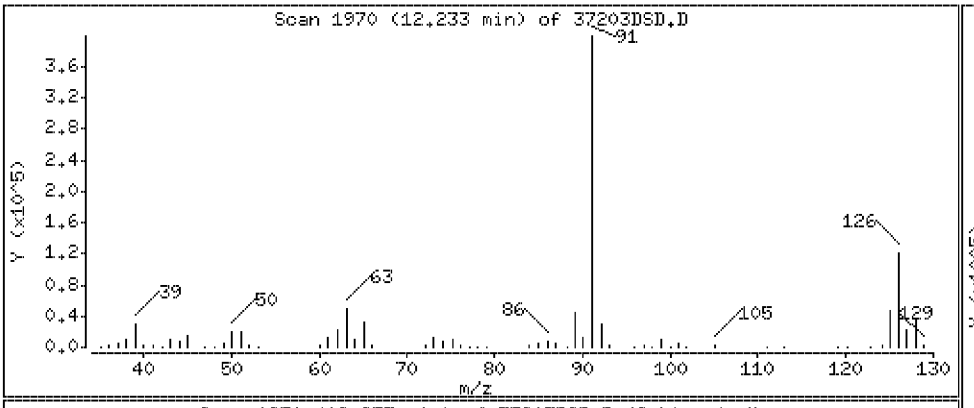
Operator:

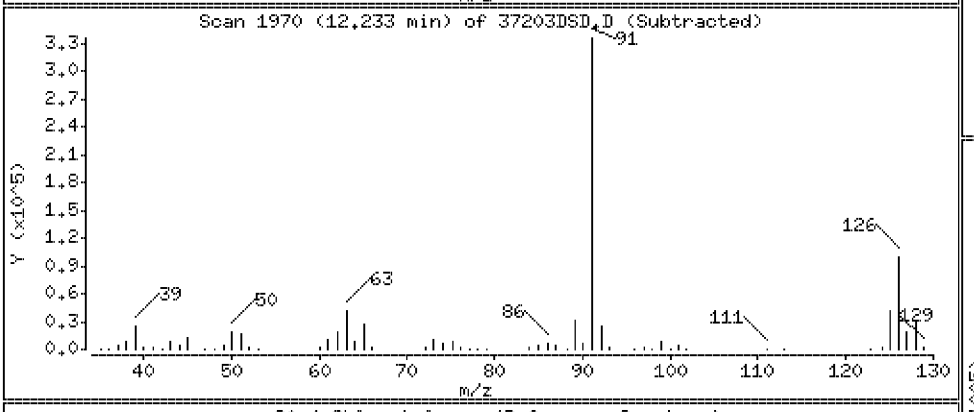
Column phase: DB-624

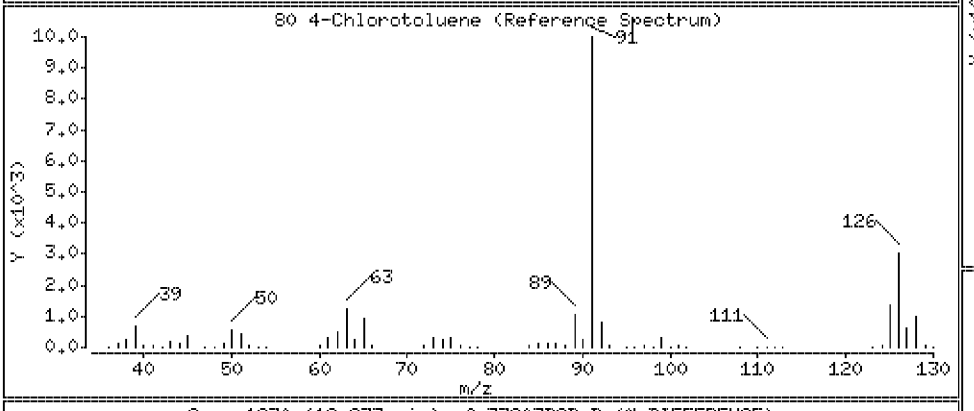
Column diameter: 0.18

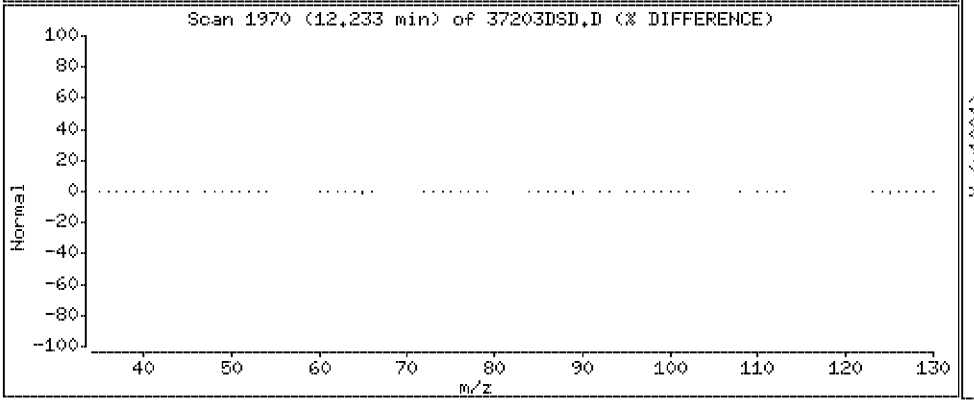
80 4-Chlorotoluene

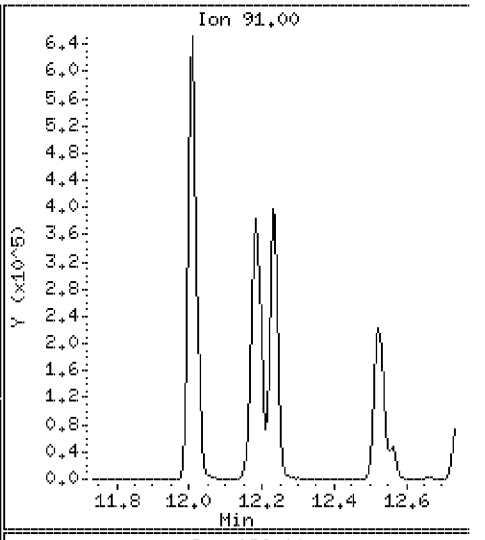
Concentration: 189 ug/l

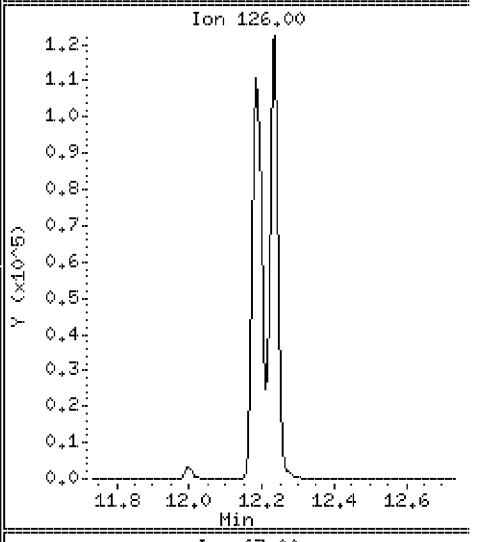


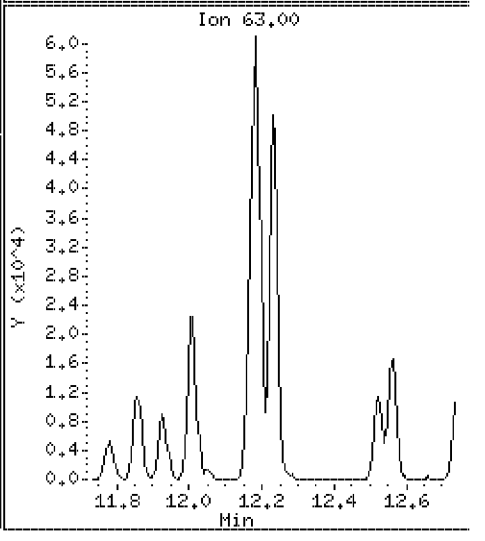












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

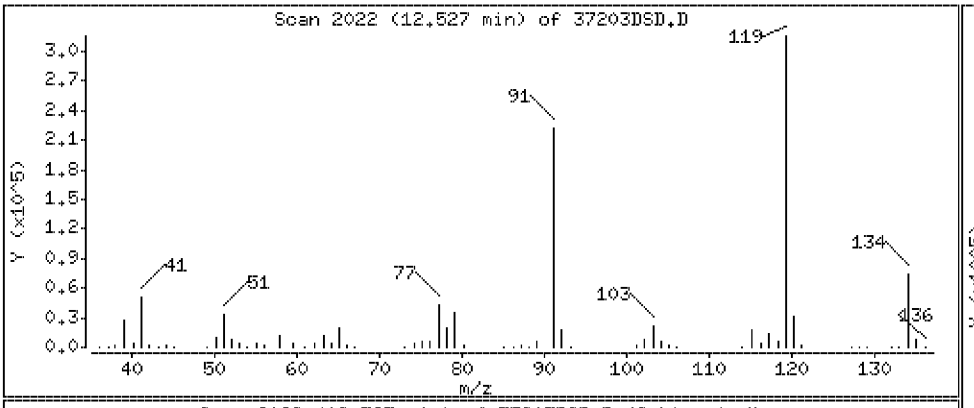
Operator:

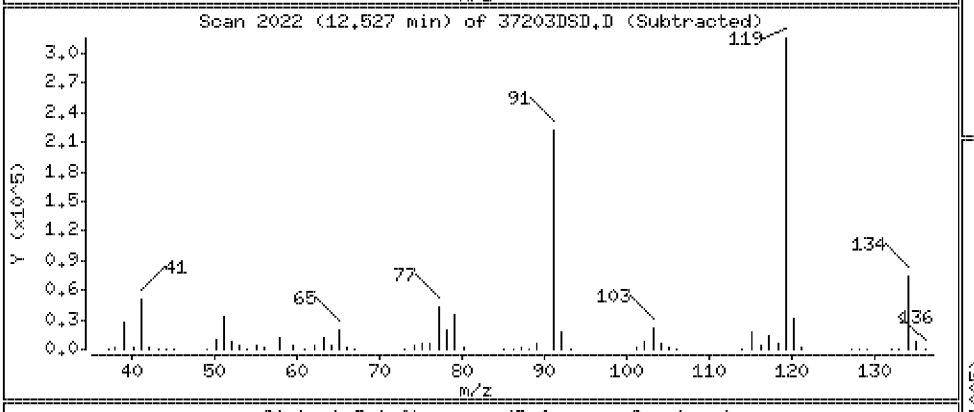
Column phase: DB-624

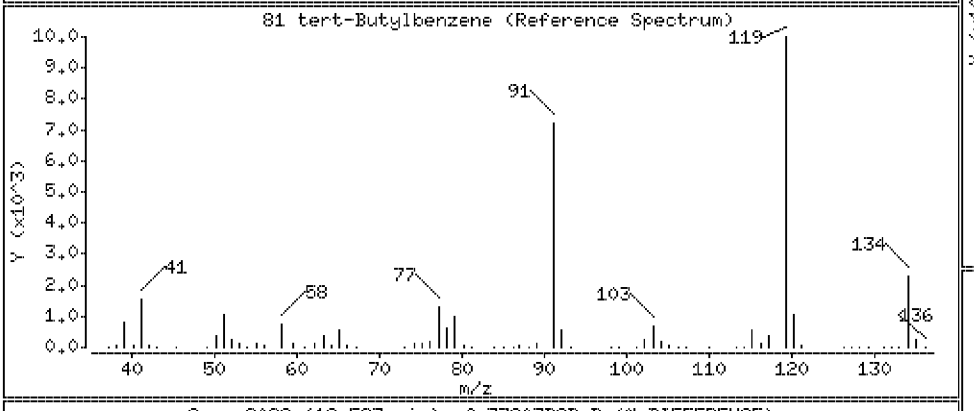
Column diameter: 0.18

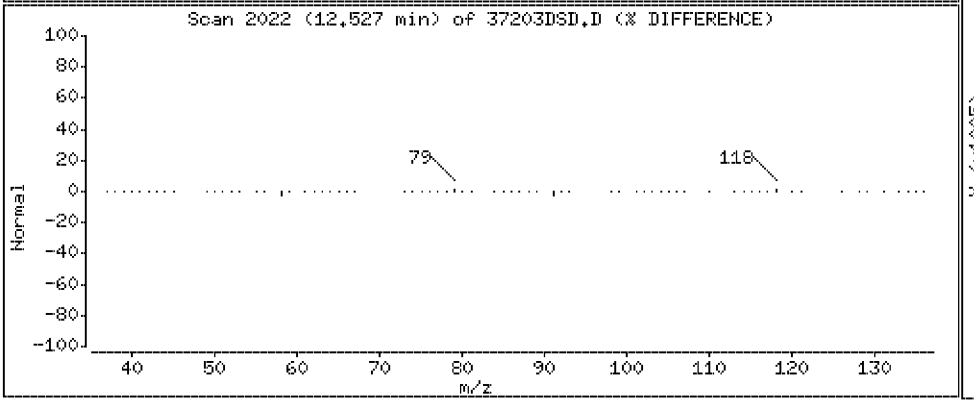
81 tert-Butylbenzene

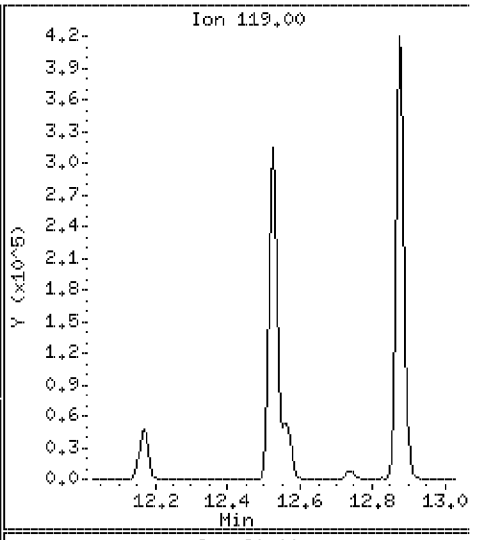
Concentration: 187 ug/l

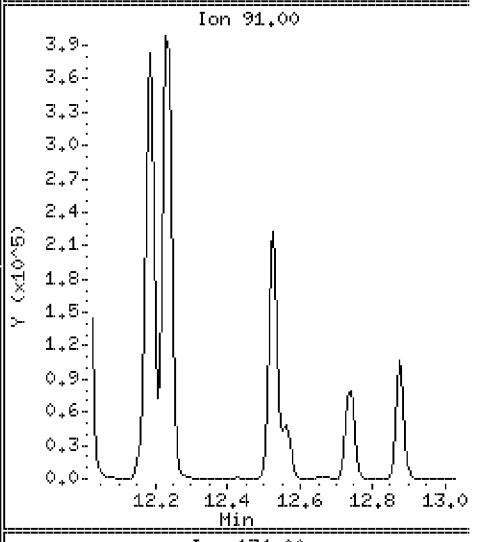


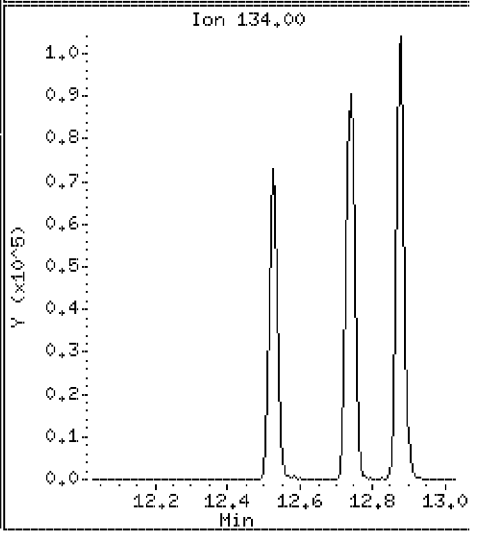












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

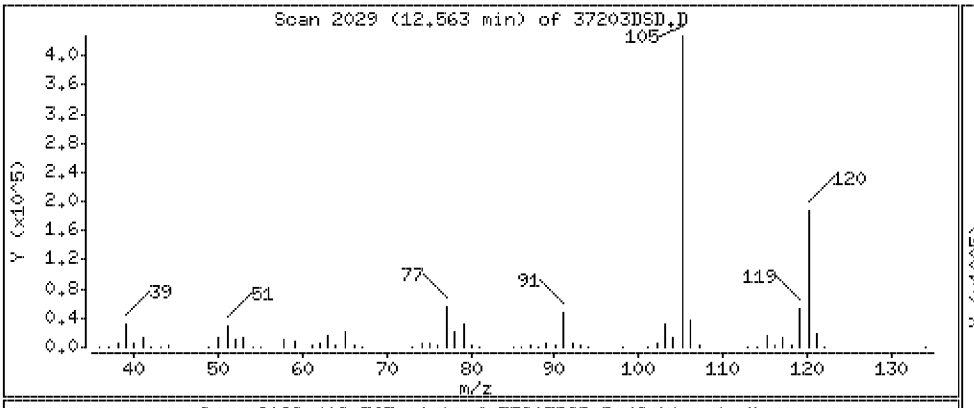
Operator:

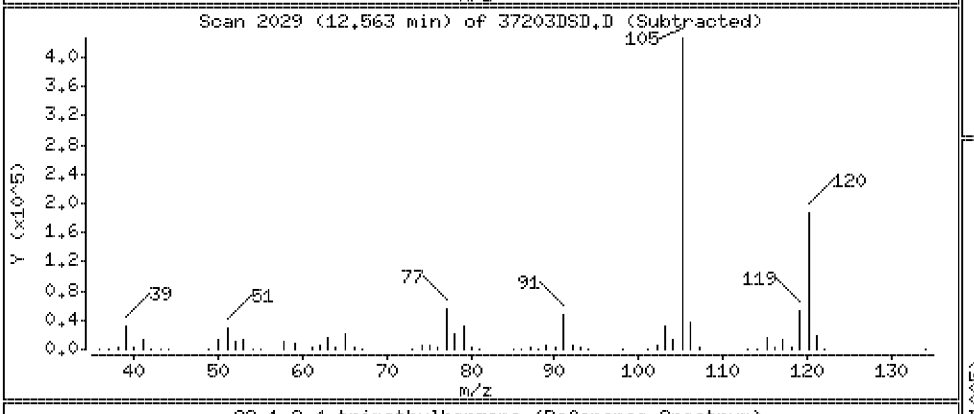
Column phase: DB-624

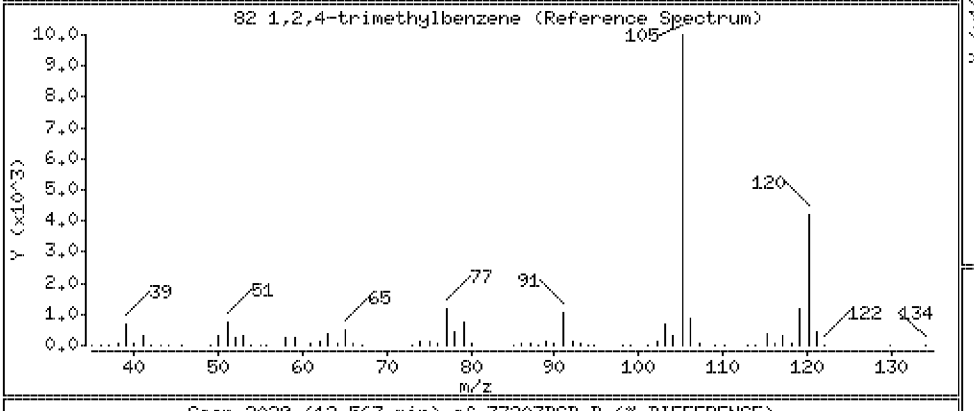
Column diameter: 0.18

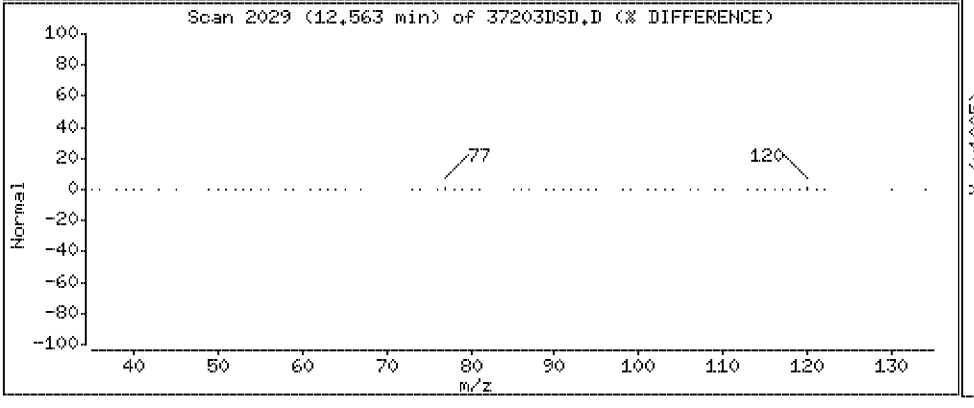
82 1,2,4-trimethylbenzene

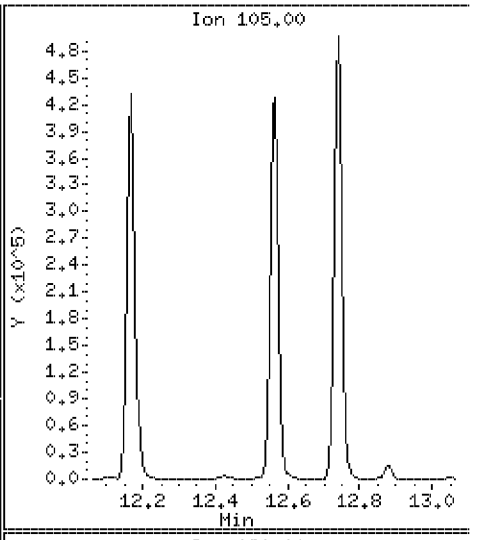
Concentration: 193 ug/l

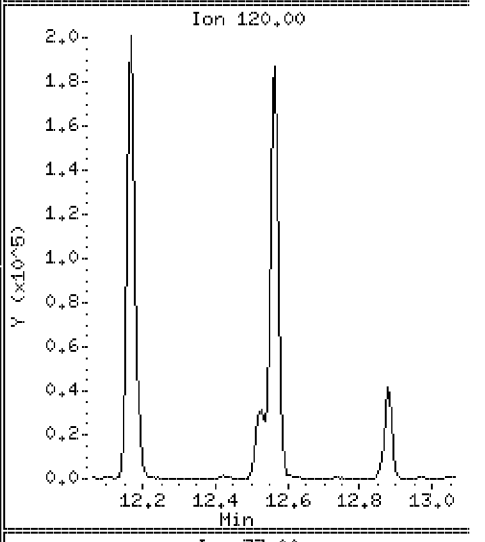


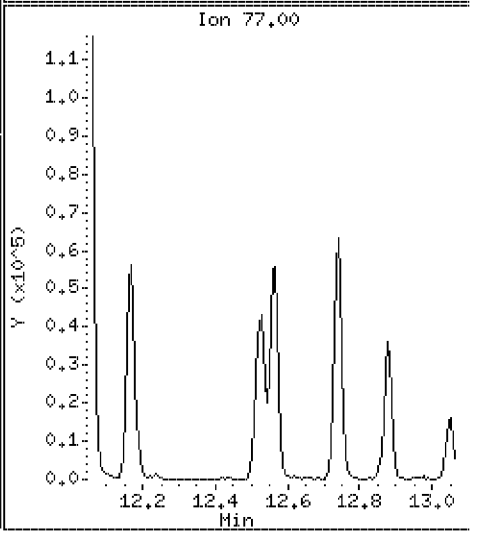












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

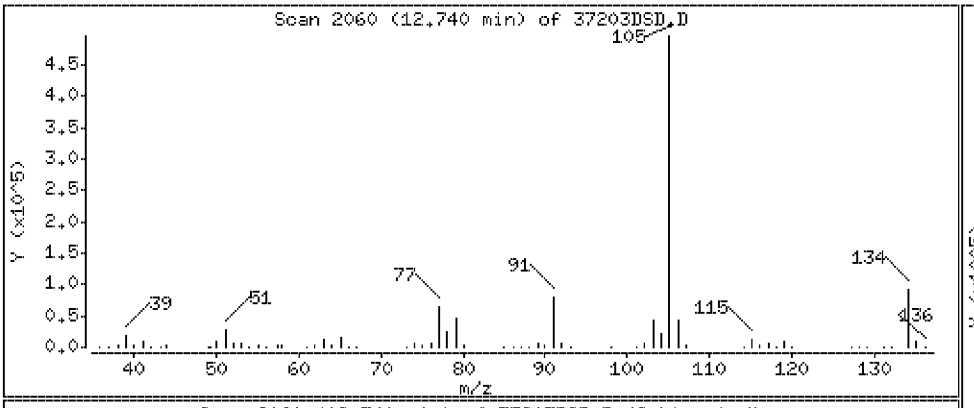
Operator:

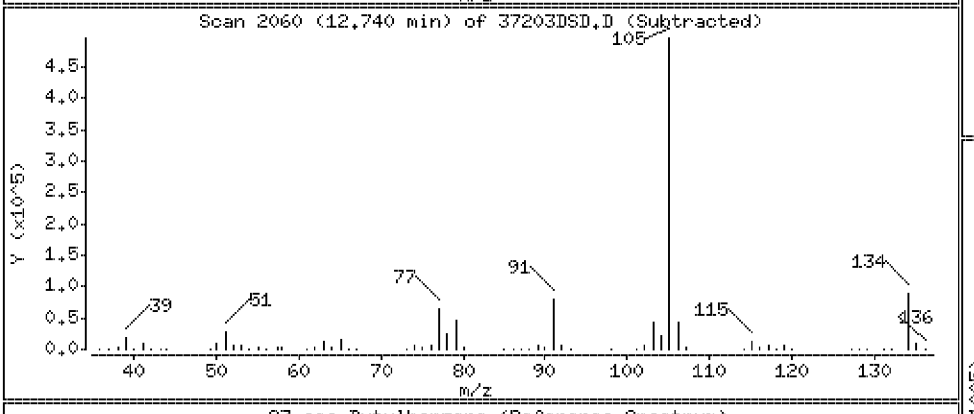
Column phase: DB-624

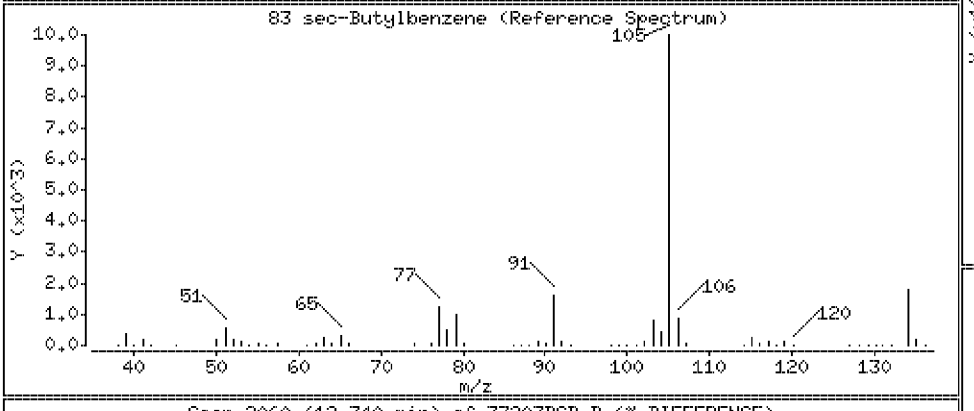
Column diameter: 0.18

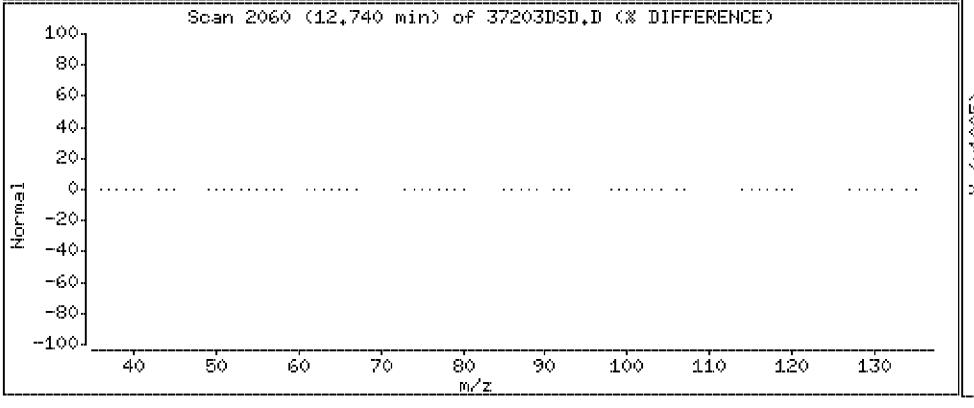
83 sec-Butylbenzene

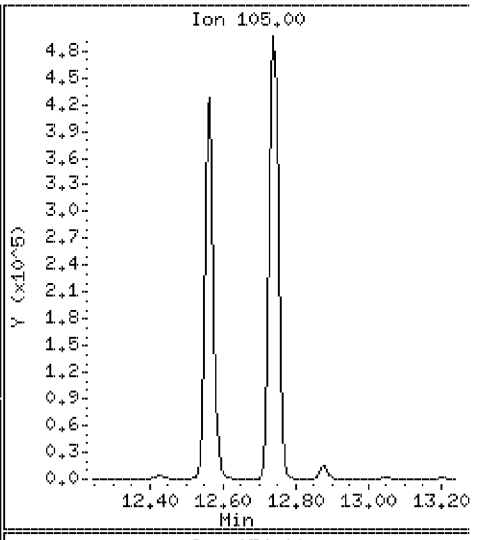
Concentration: 184 ug/l

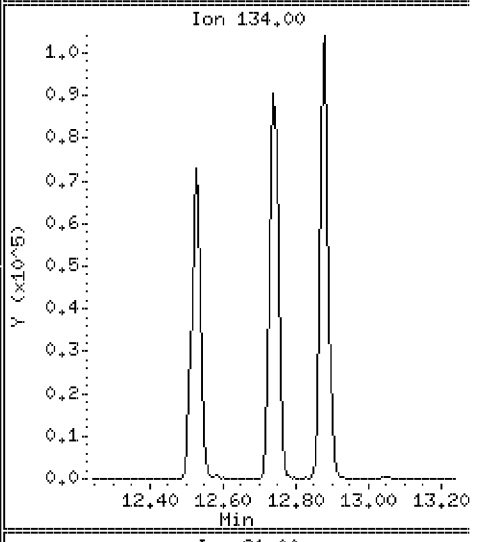


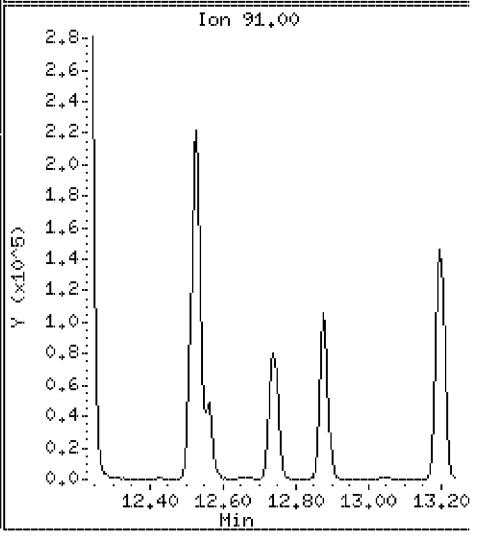












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

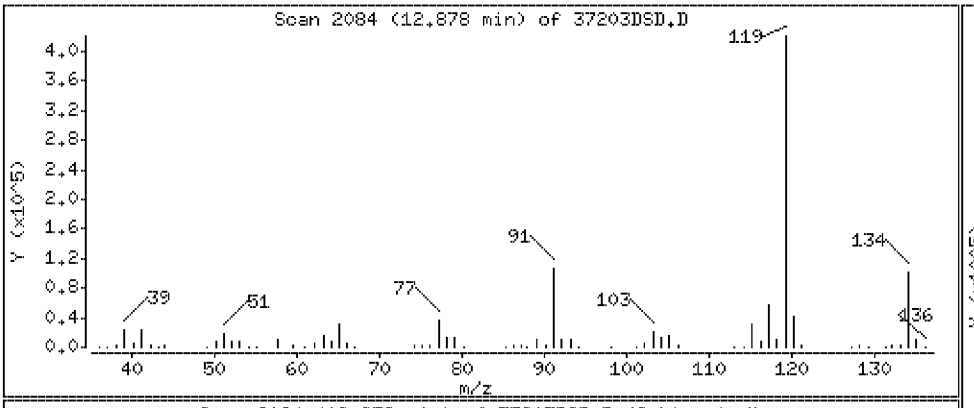
Operator:

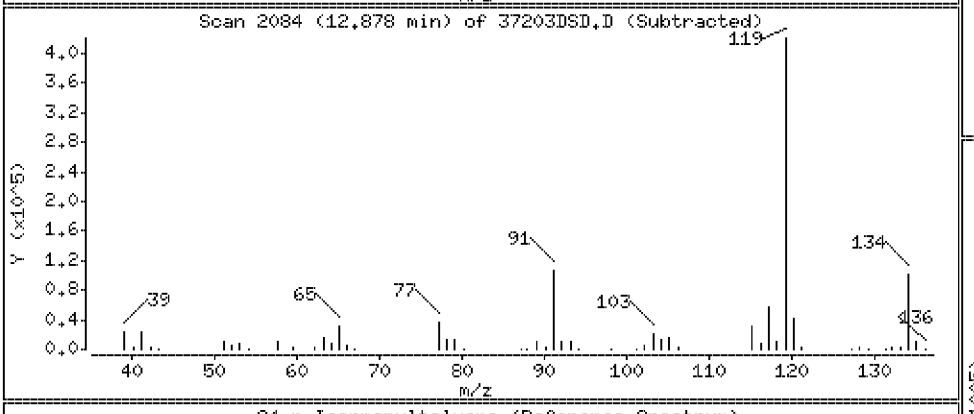
Column phase: DB-624

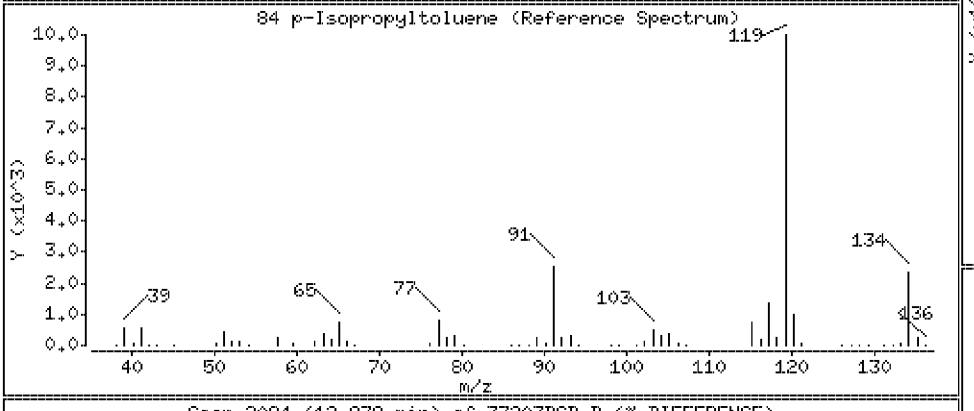
Column diameter: 0.18

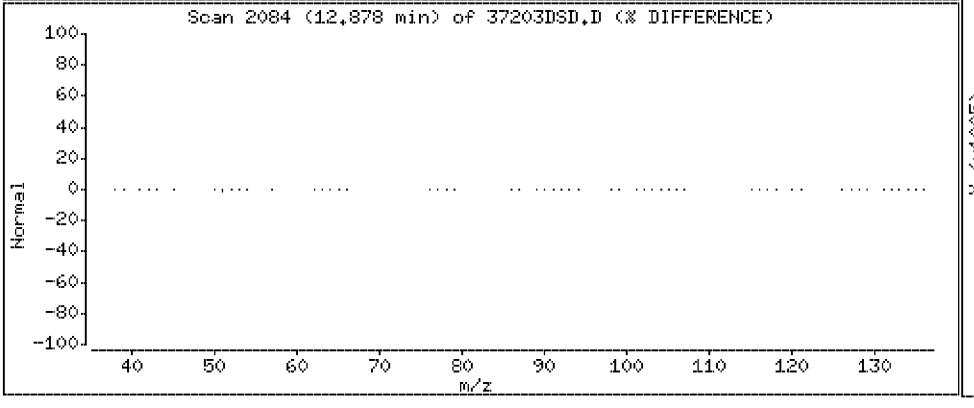
84 p-Isopropyltoluene

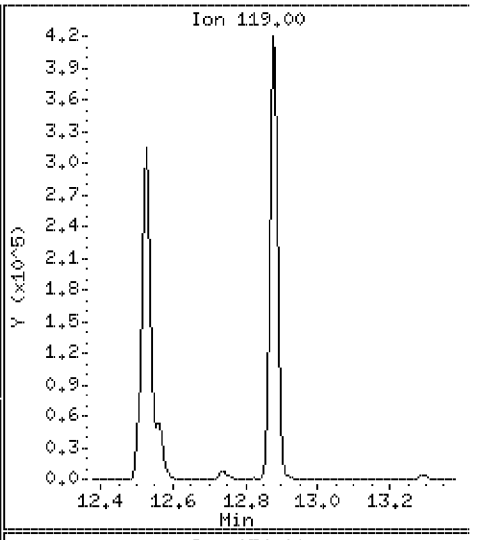
Concentration: 183 ug/l

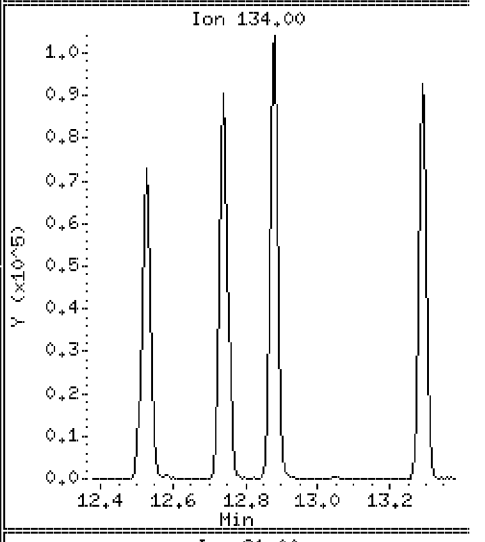


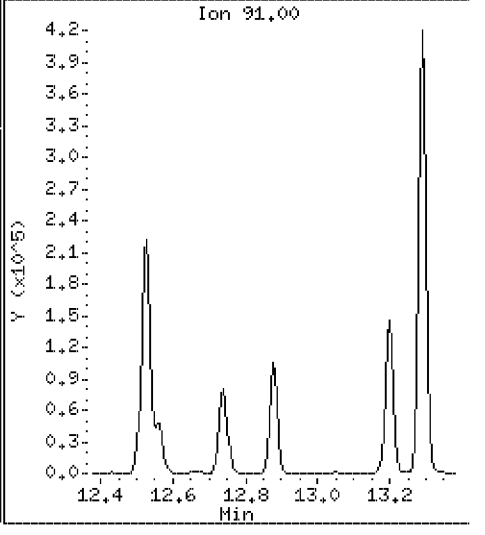












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

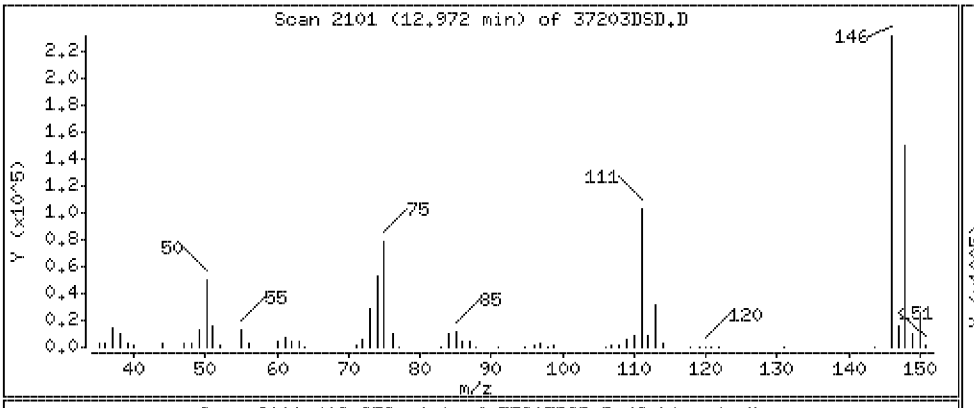
Operator:

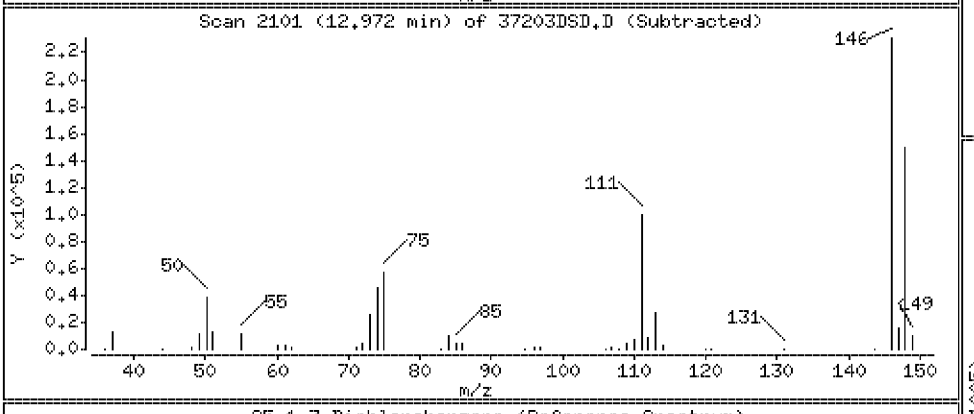
Column phase: DB-624

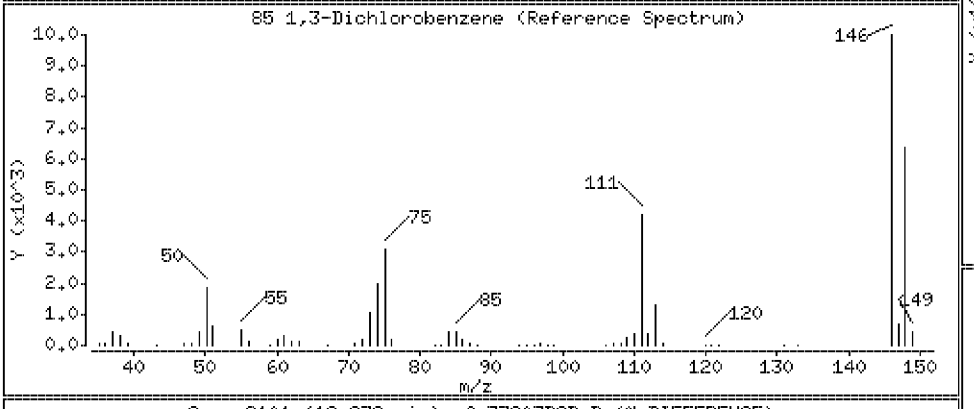
Column diameter: 0.18

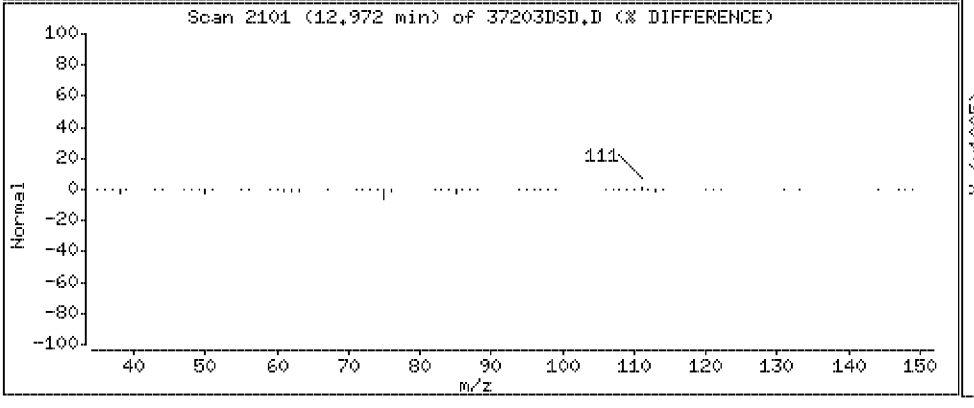
85 1,3-Dichlorobenzene

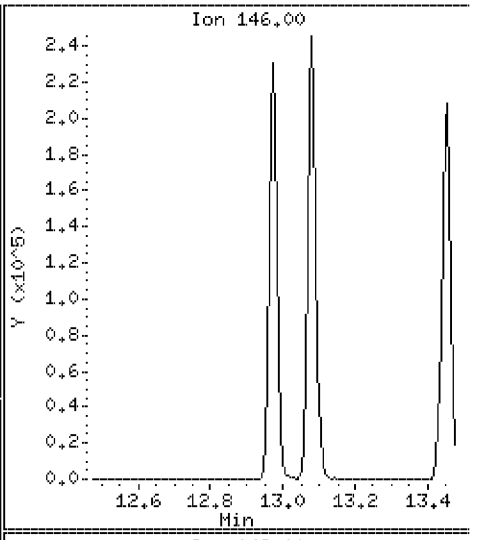
Concentration: 191 ug/l

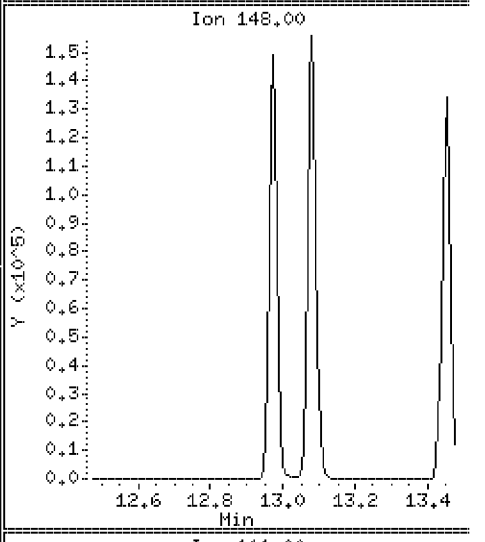


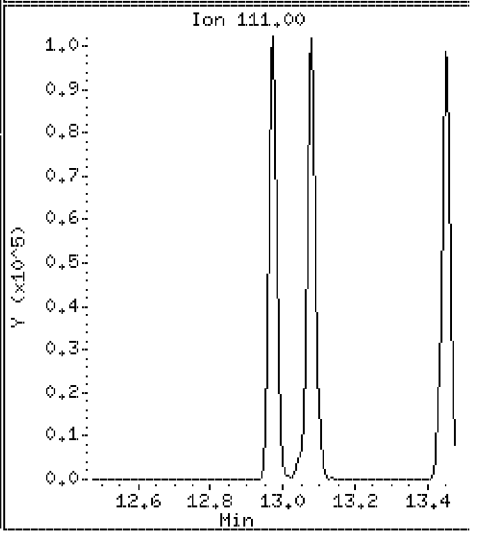












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

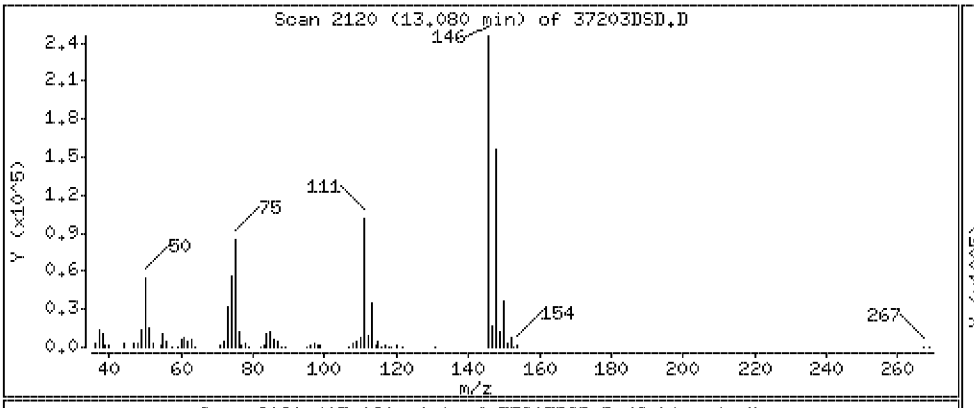
Operator:

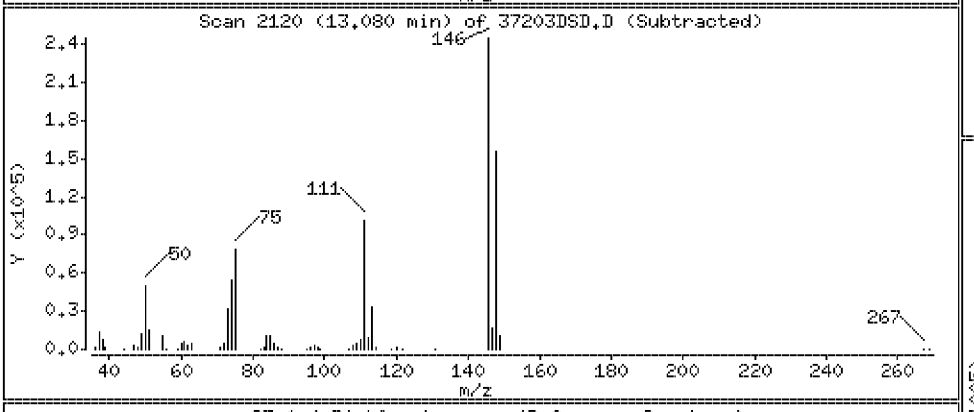
Column phase: DB-624

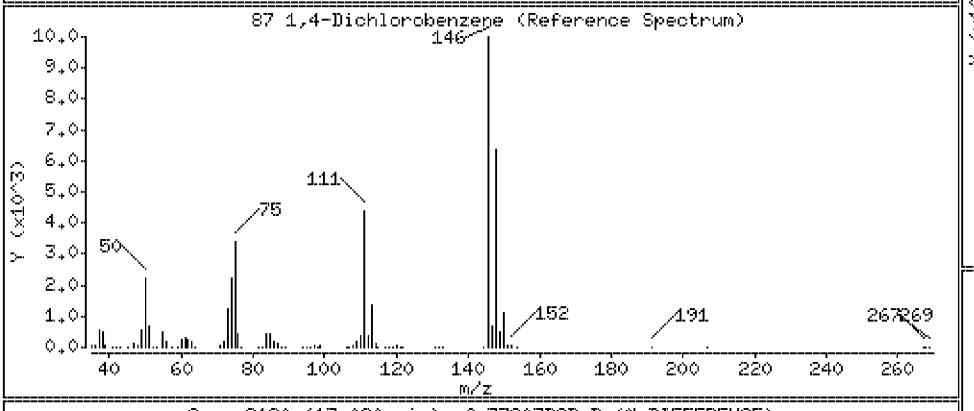
Column diameter: 0.18

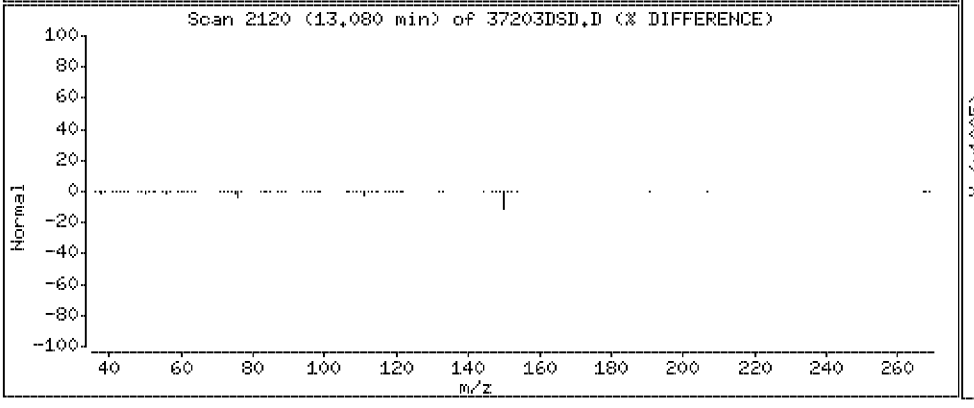
87 1,4-Dichlorobenzene

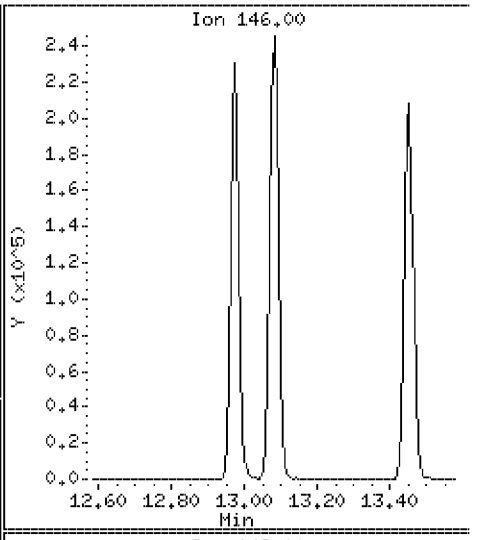
Concentration: 196 ug/l

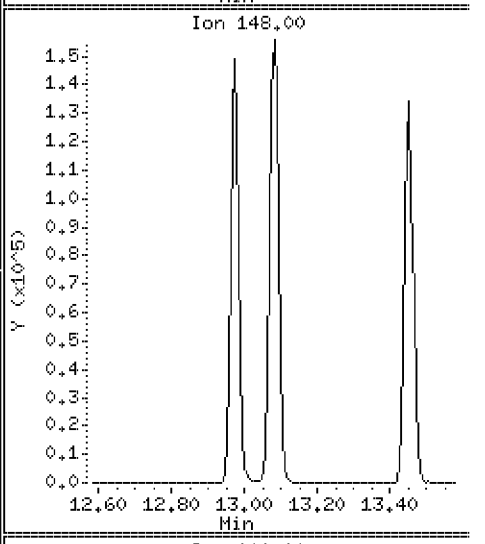


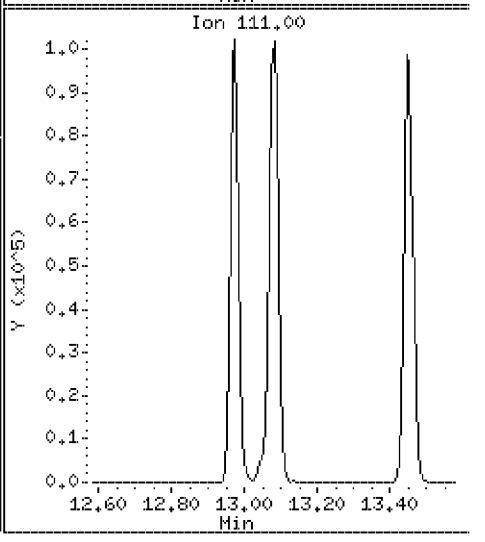












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

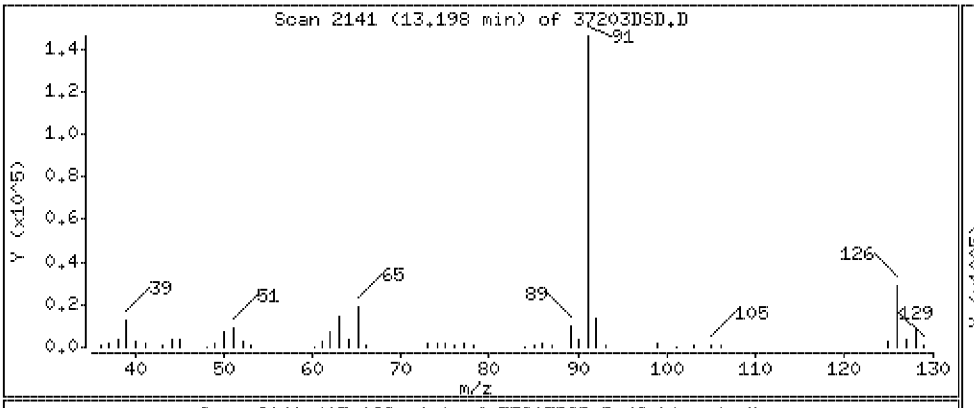
Operator:

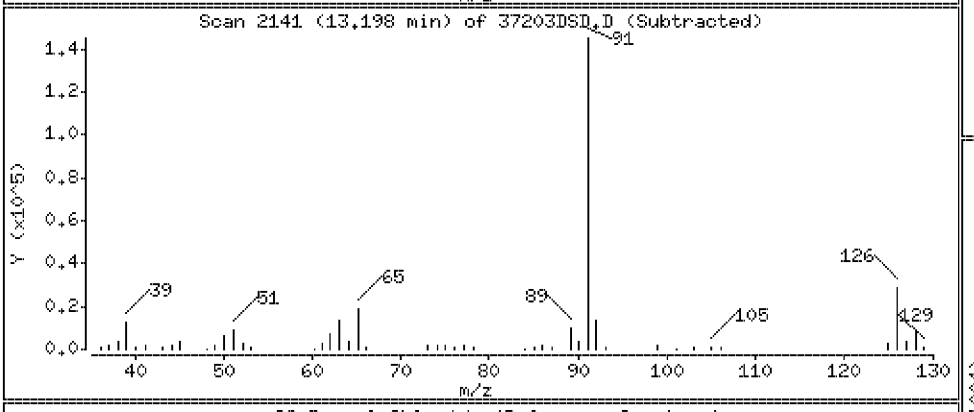
Column phase: DB-624

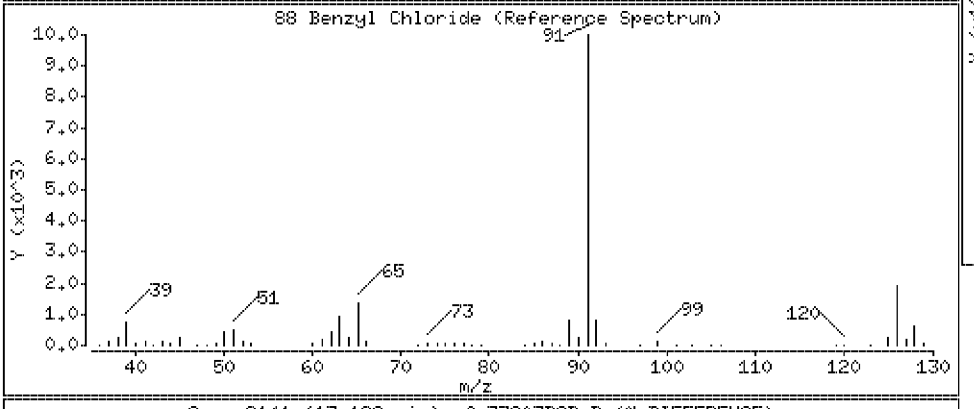
Column diameter: 0.18

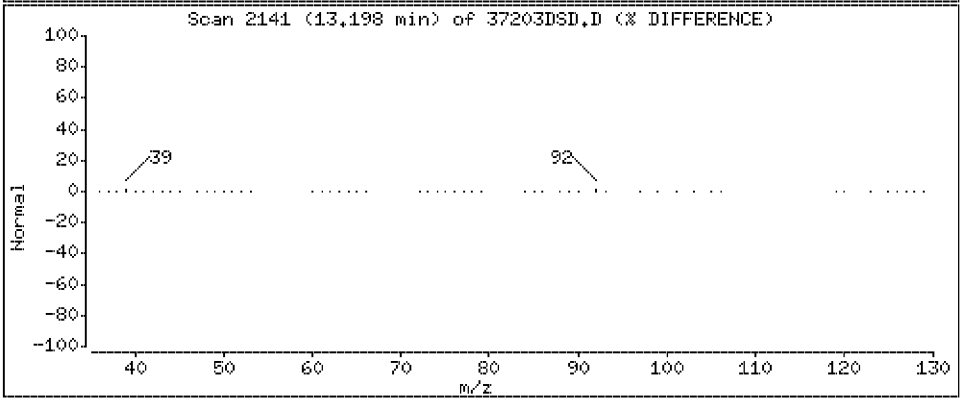
88 Benzyl Chloride

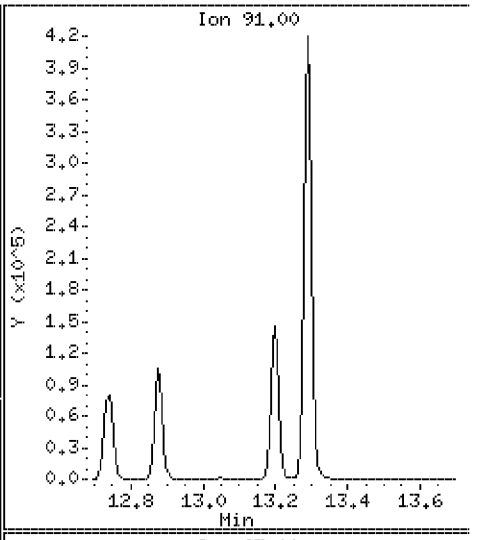
Concentration: 198 ug/l

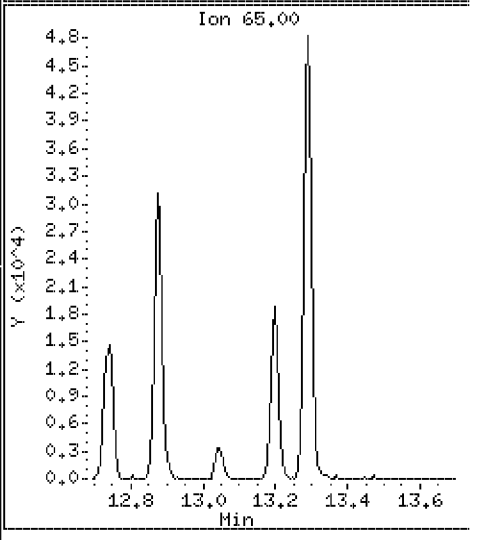












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

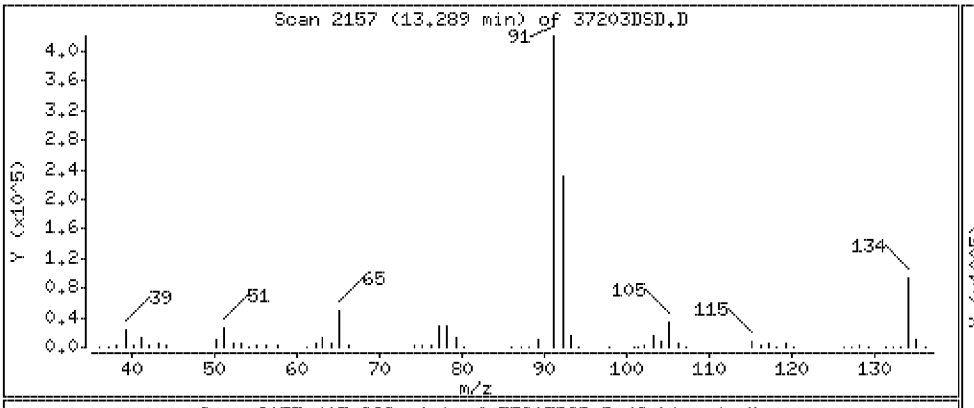
Operator:

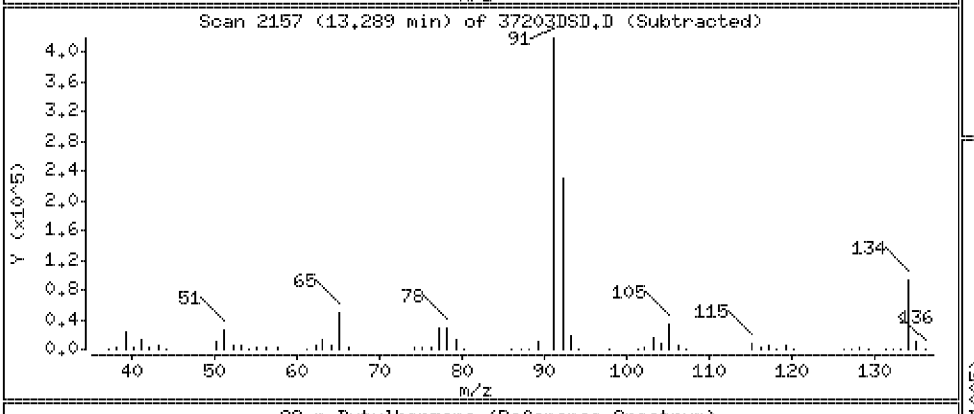
Column phase: DB-624

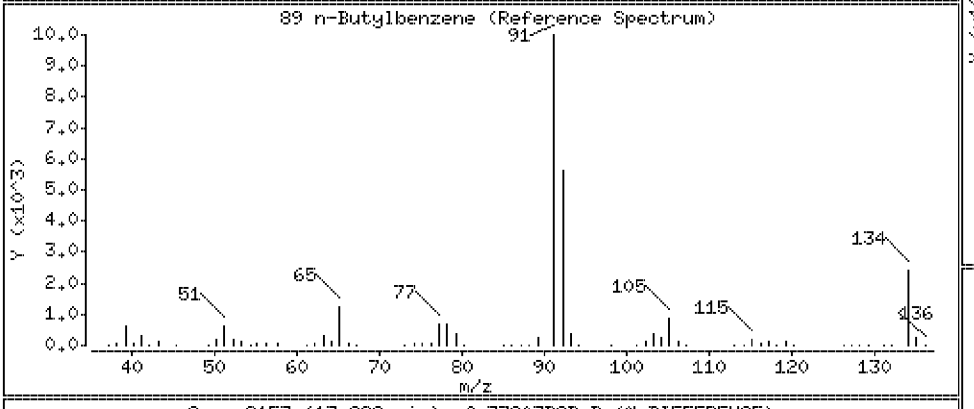
Column diameter: 0.18

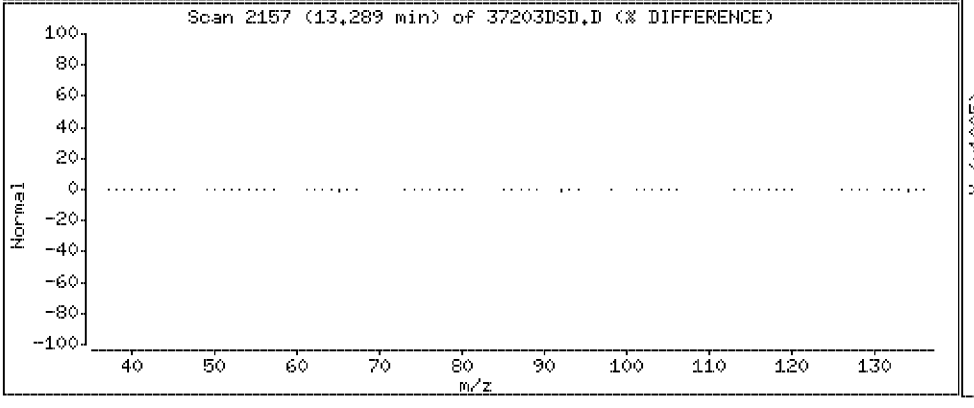
89 n-Butylbenzene

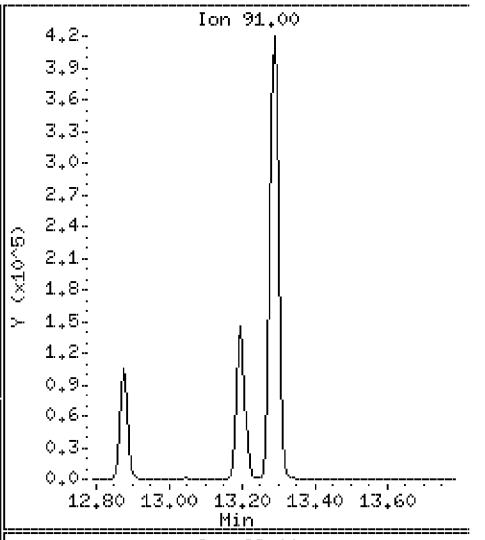
Concentration: 182 ug/l

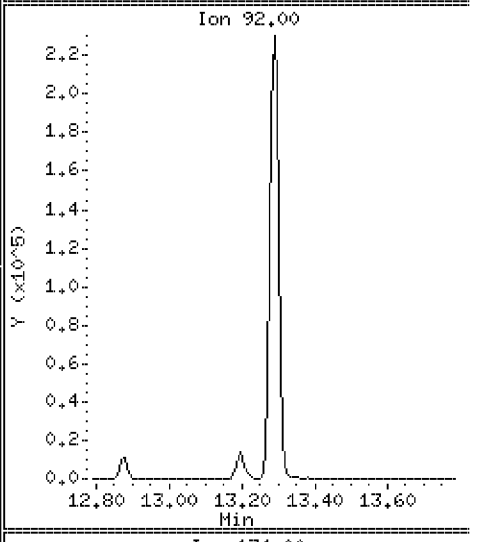


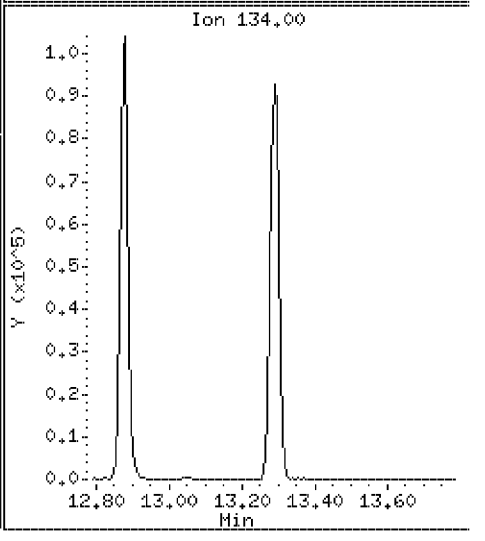












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

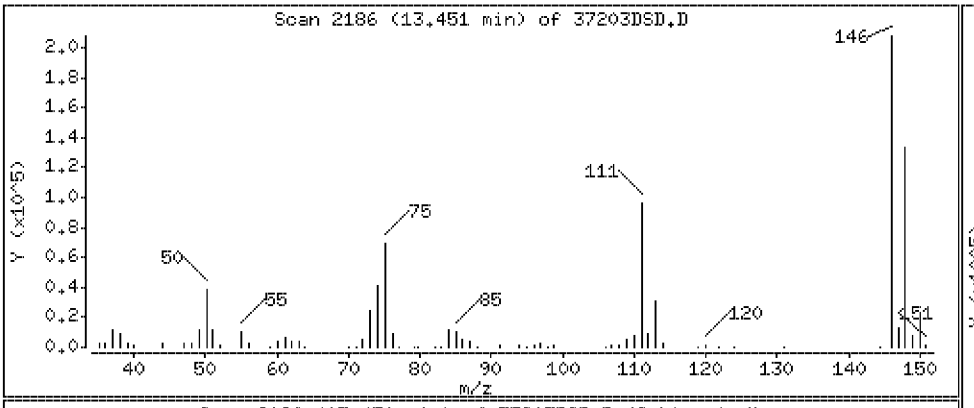
Client ID: TO05MW40AMSD | Instrument: vms03.i

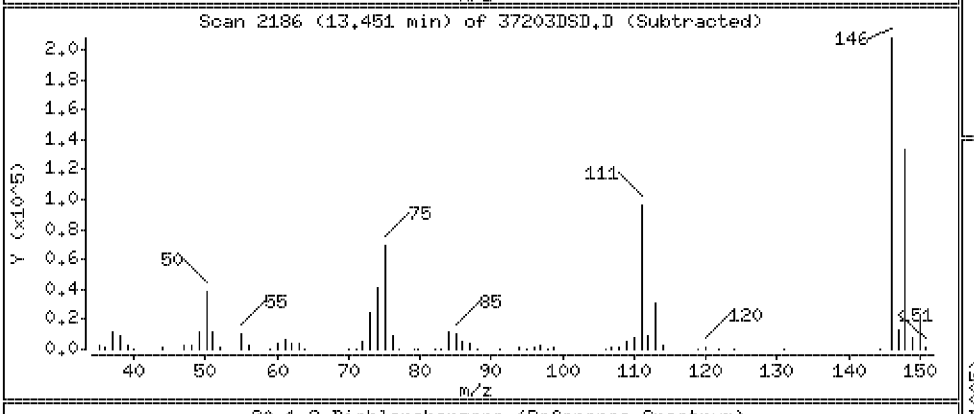
Sample Info: 250737203;2507372;10;

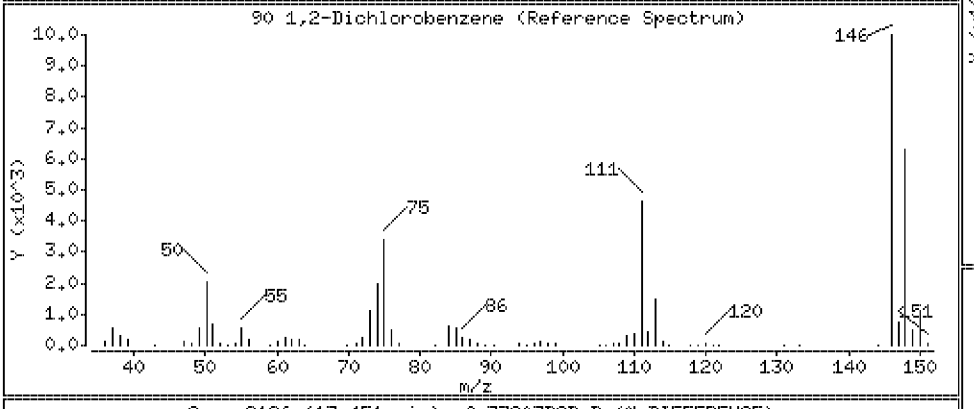
Purge Volume: 5.0 | Operator:

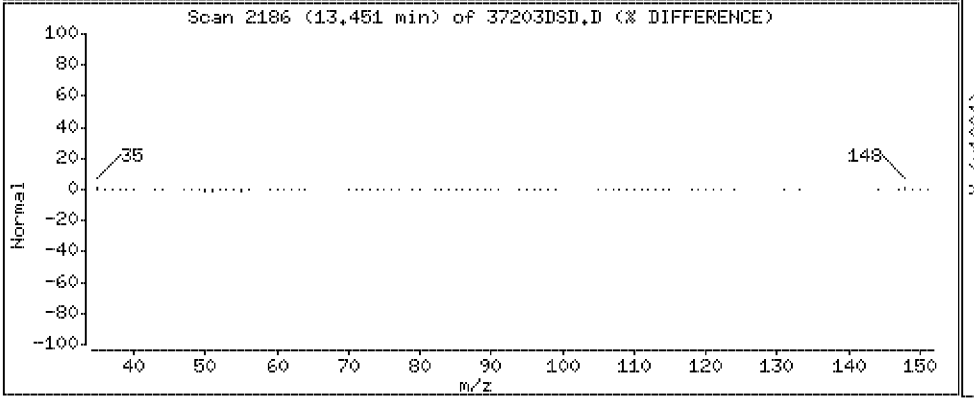
Column phase: DB-624 | Column diameter: 0.18

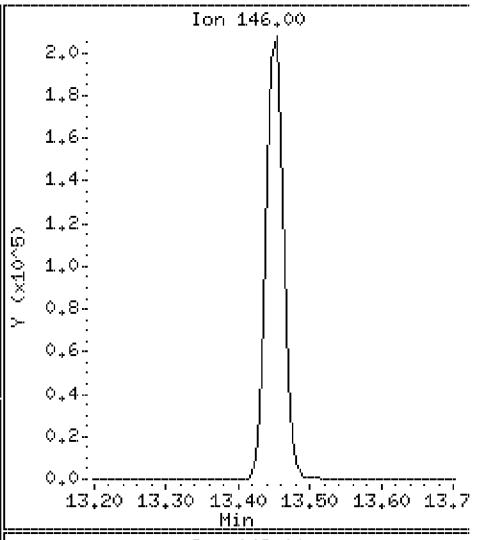
90 1,2-Dichlorobenzene | Concentration: 186 ug/l

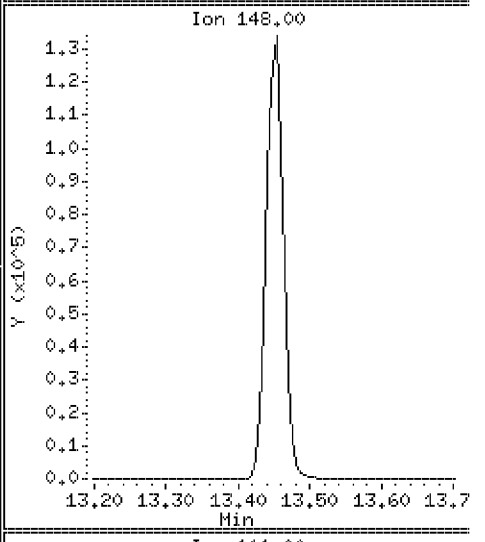


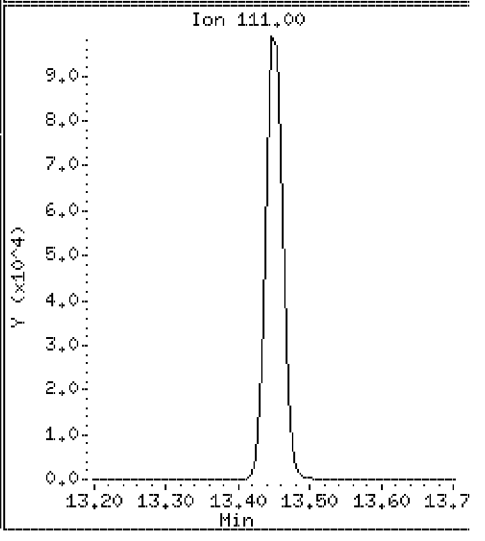












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

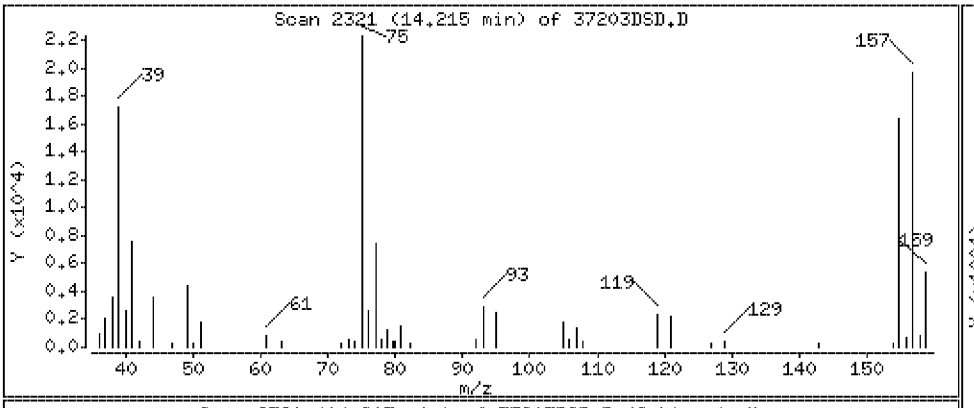
Client ID: TO05MW40AMSD | Instrument: vms03.i

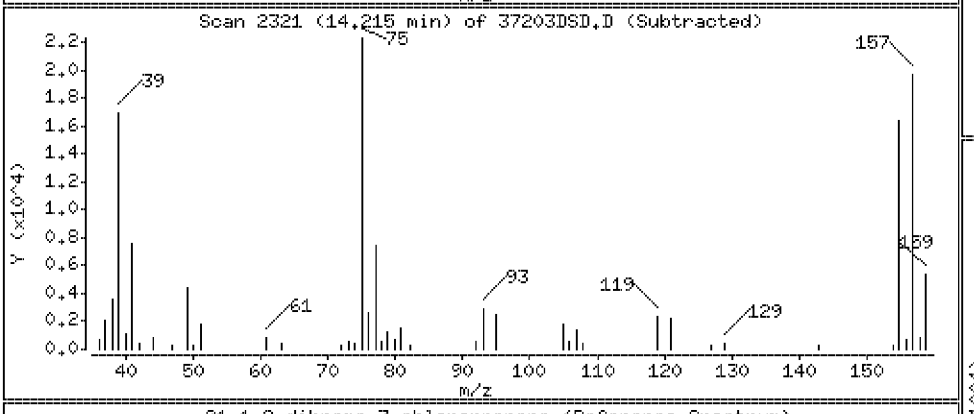
Sample Info: 250737203;2507372;10;

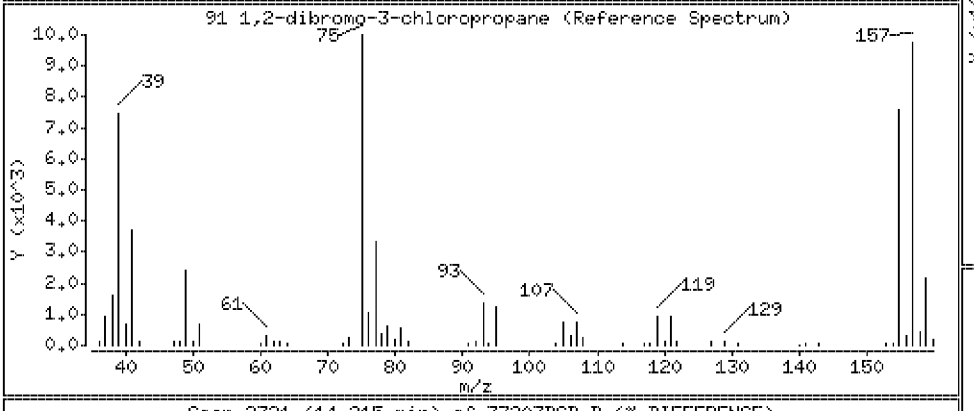
Purge Volume: 5.0 | Operator:

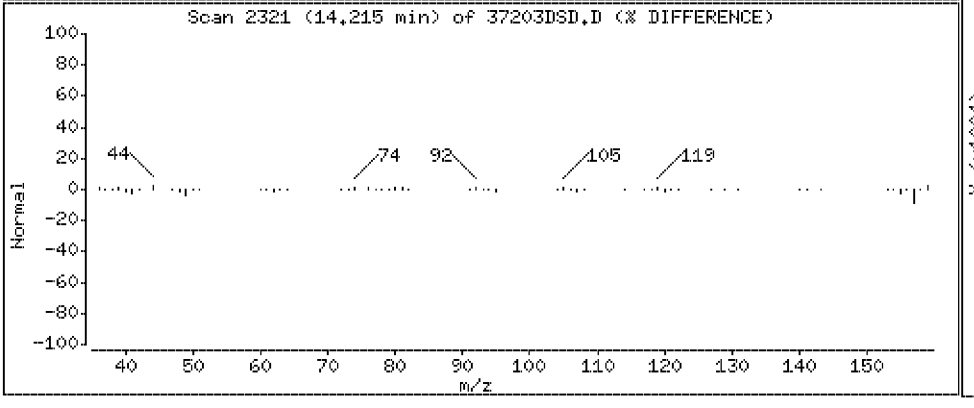
Column phase: DB-624 | Column diameter: 0.18

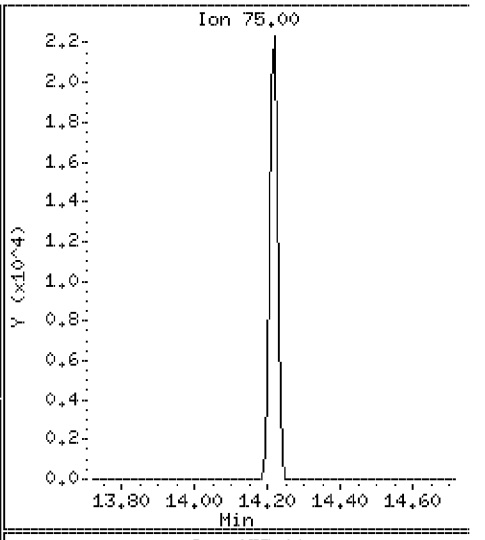
91 1,2-dibromo-3-chloropropane | Concentration: 166 ug/l

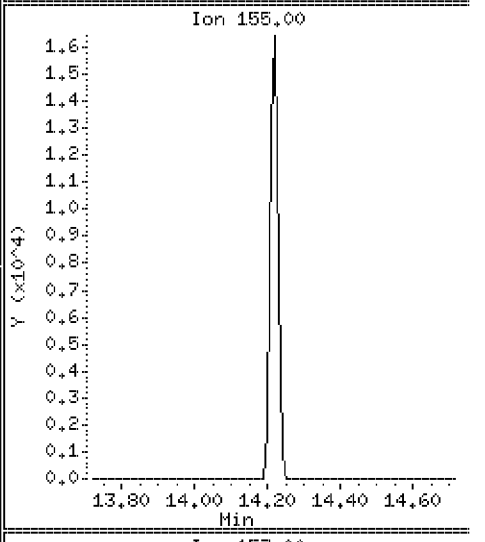


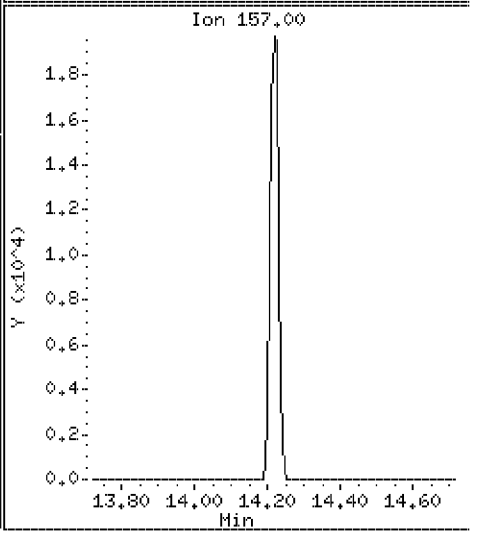












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

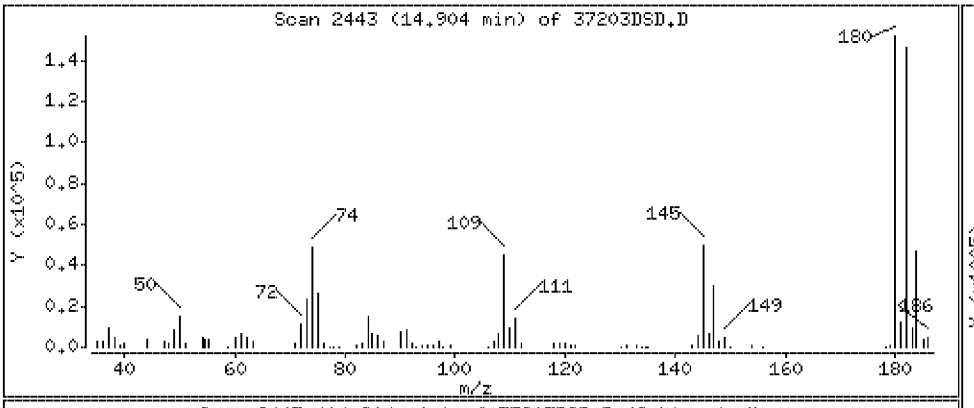
Operator:

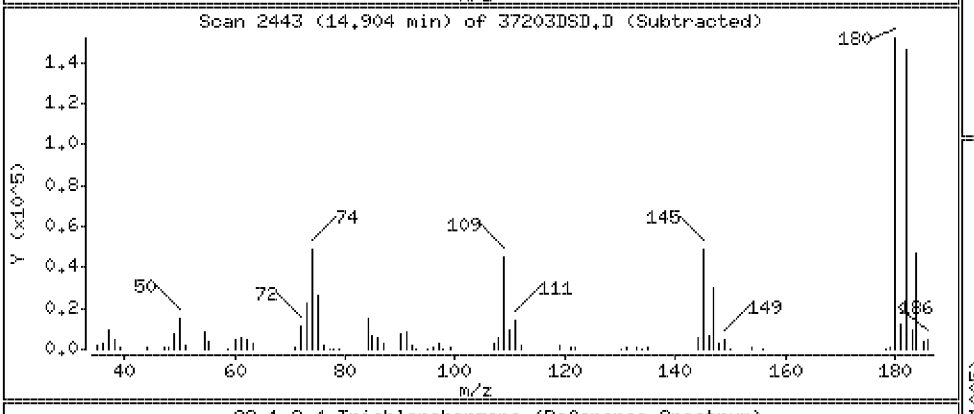
Column phase: DB-624

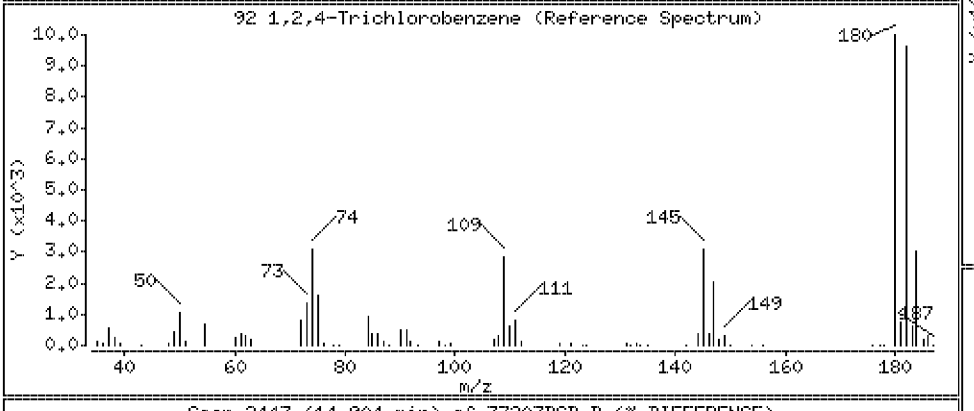
Column diameter: 0.18

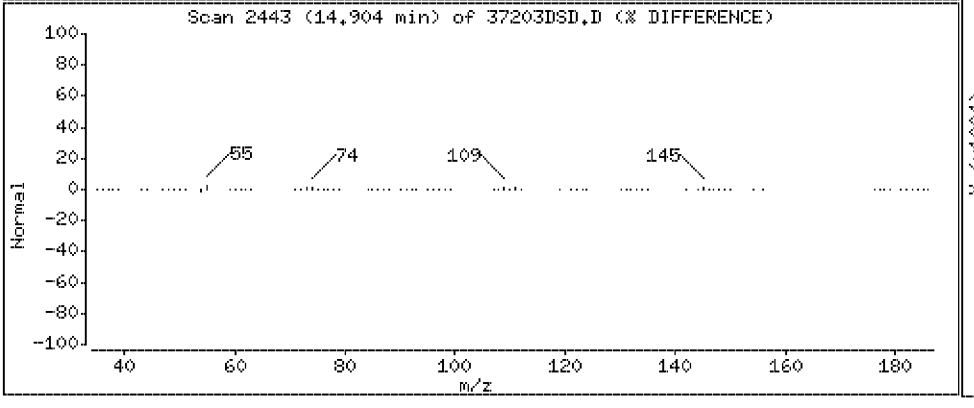
92 1,2,4-Trichlorobenzene

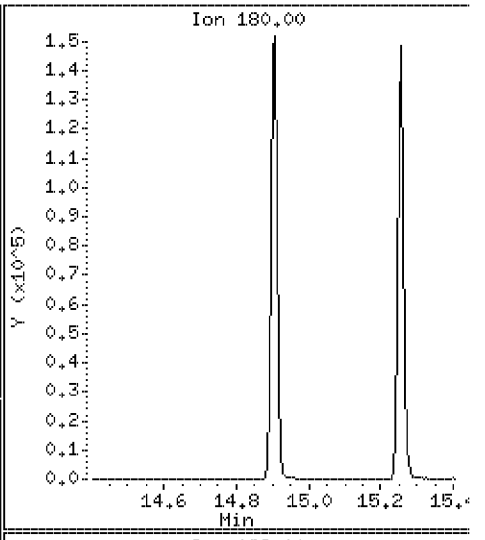
Concentration: 163 ug/l

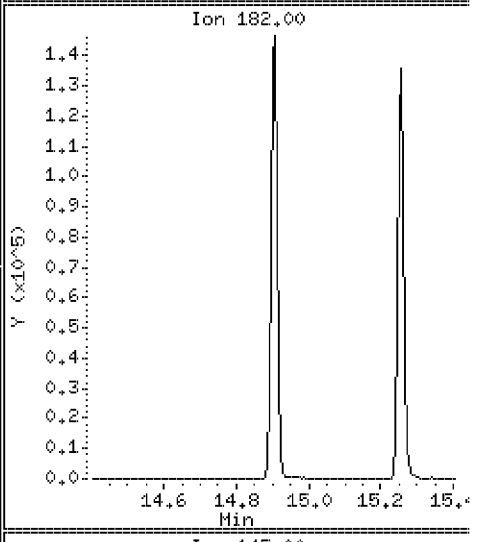


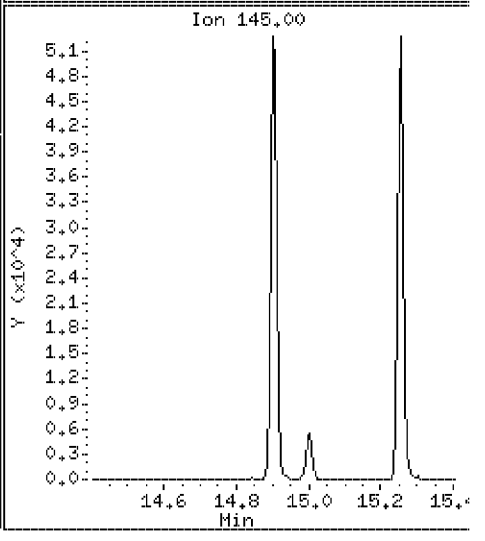












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

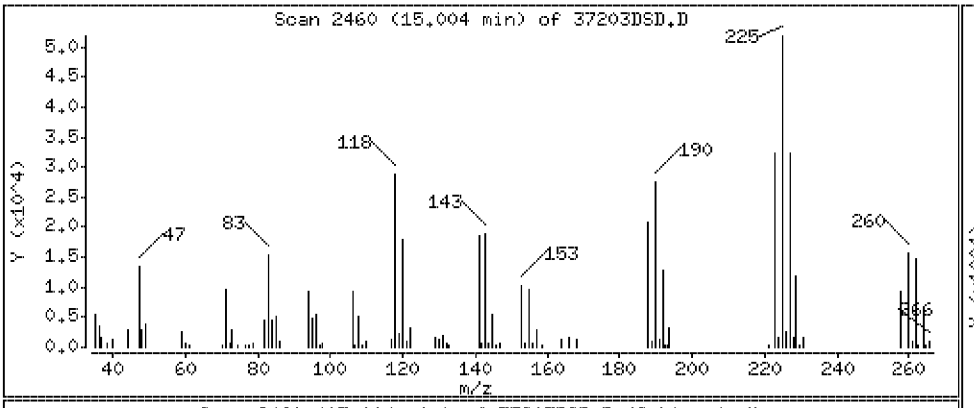
Operator:

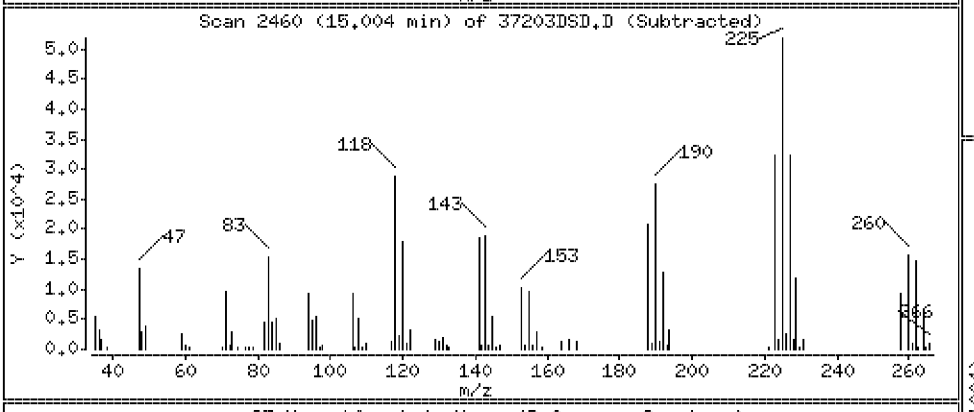
Column phase: DB-624

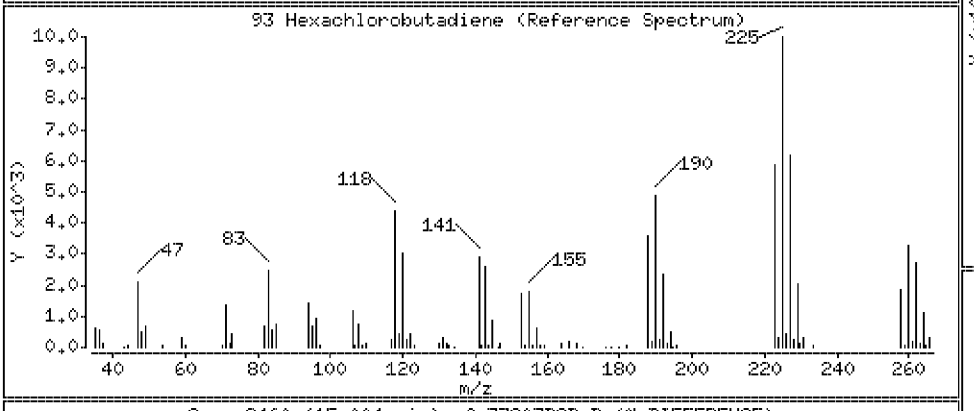
Column diameter: 0.18

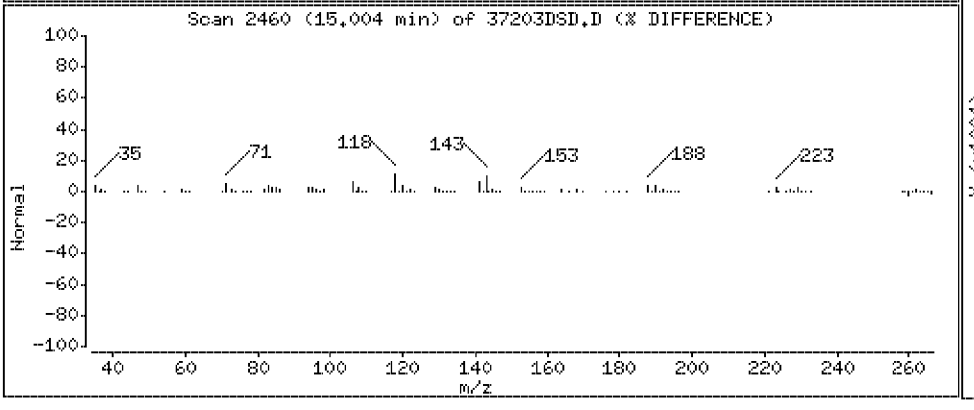
93 Hexachlorobutadiene

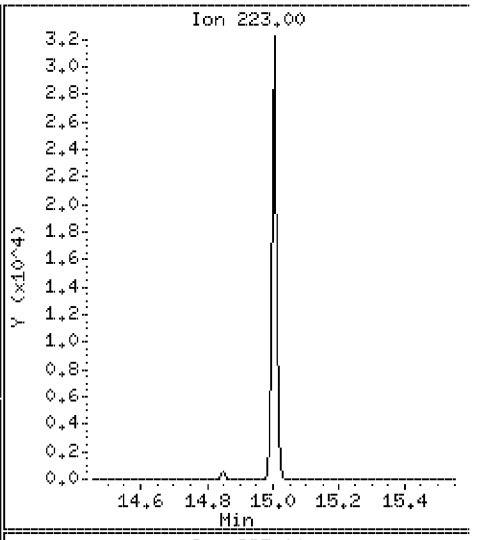
Concentration: 150 ug/l

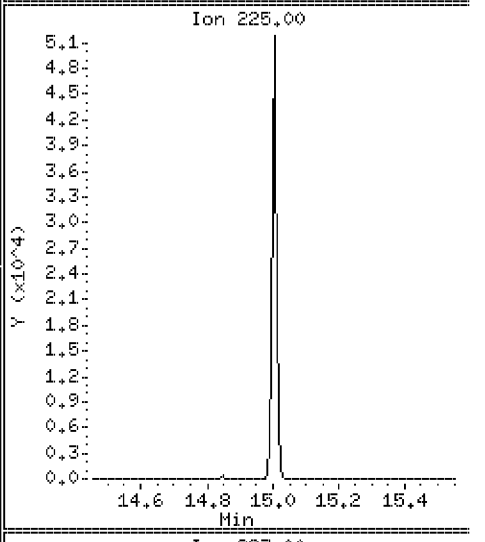


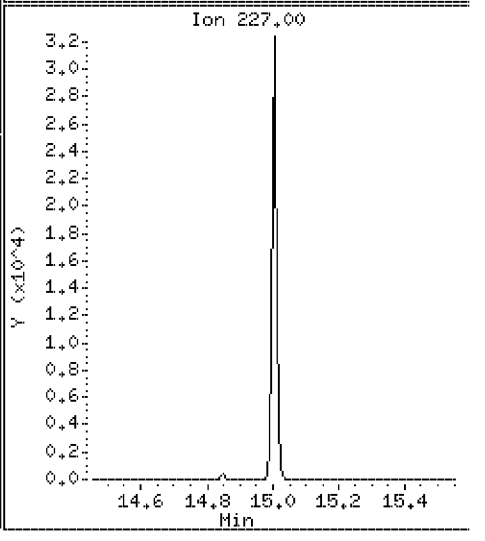












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

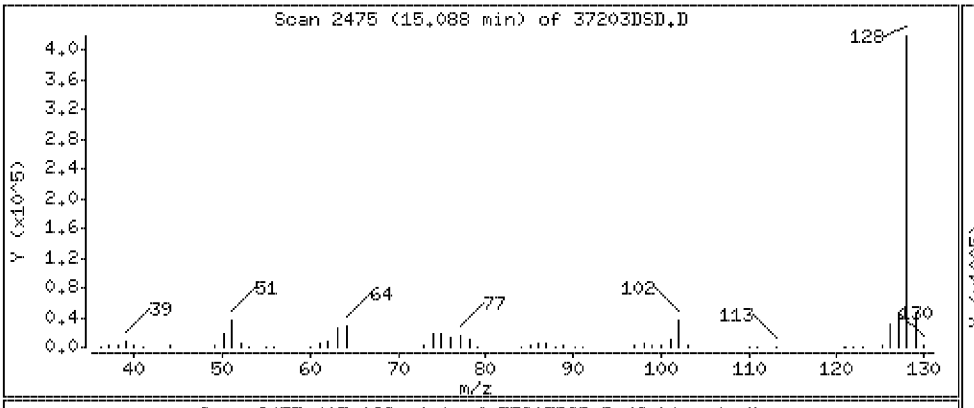
Operator:

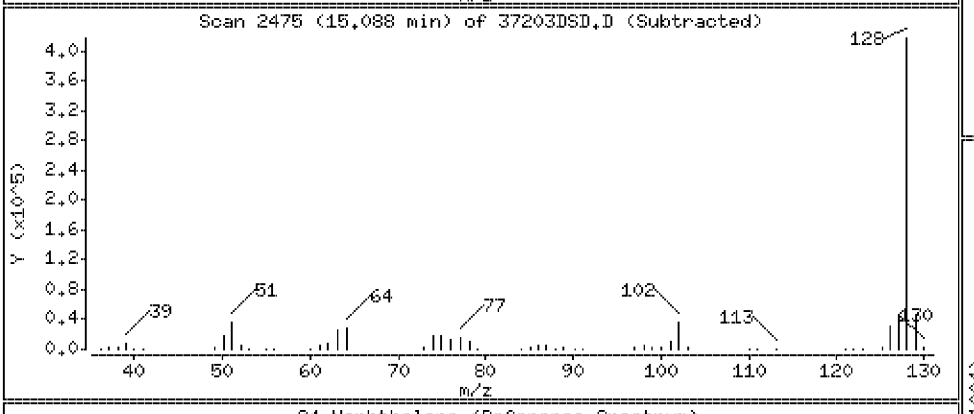
Column phase: DB-624

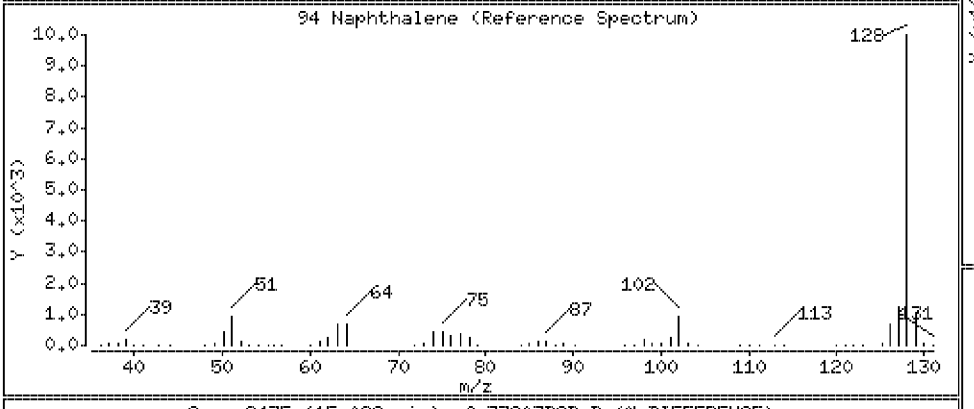
Column diameter: 0.18

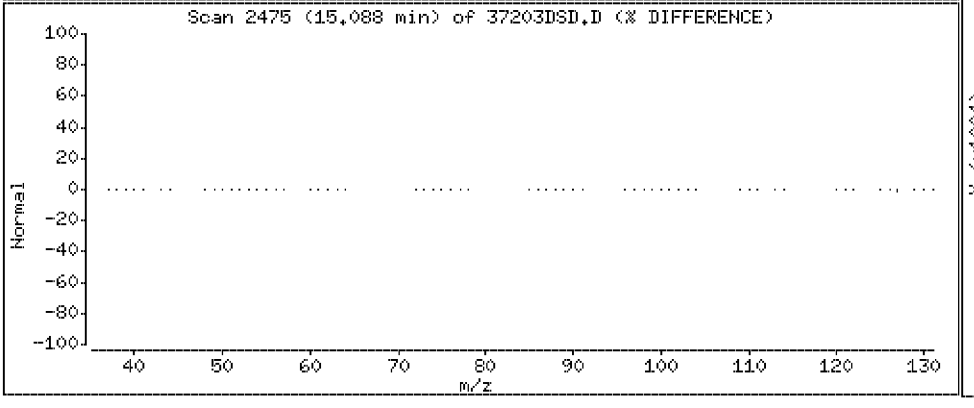
94 Naphthalene

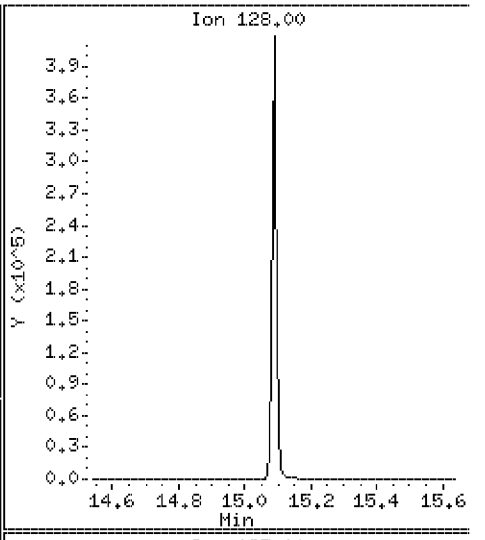
Concentration: 166 ug/l

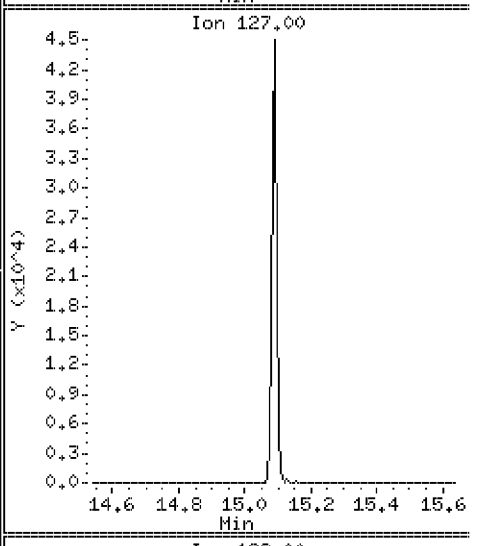


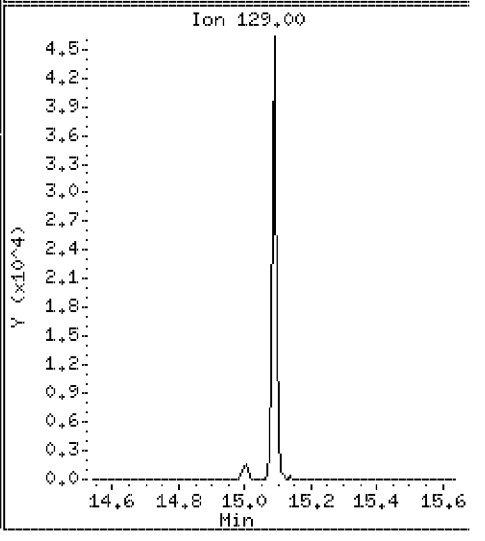












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

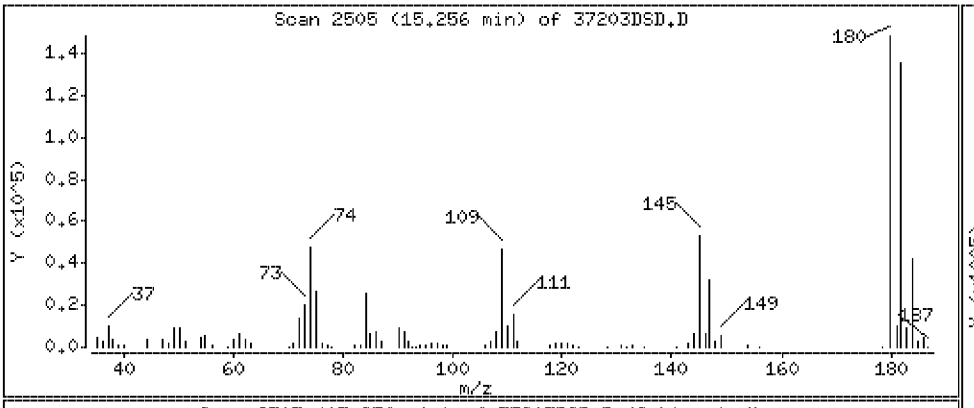
Operator:

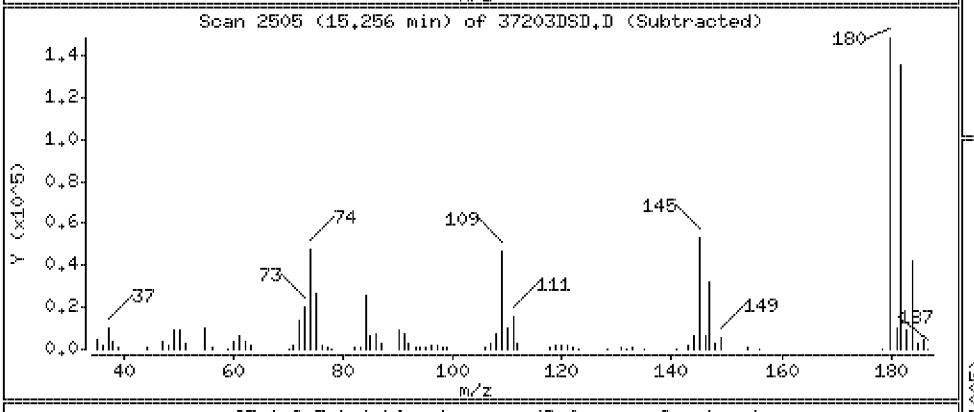
Column phase: DB-624

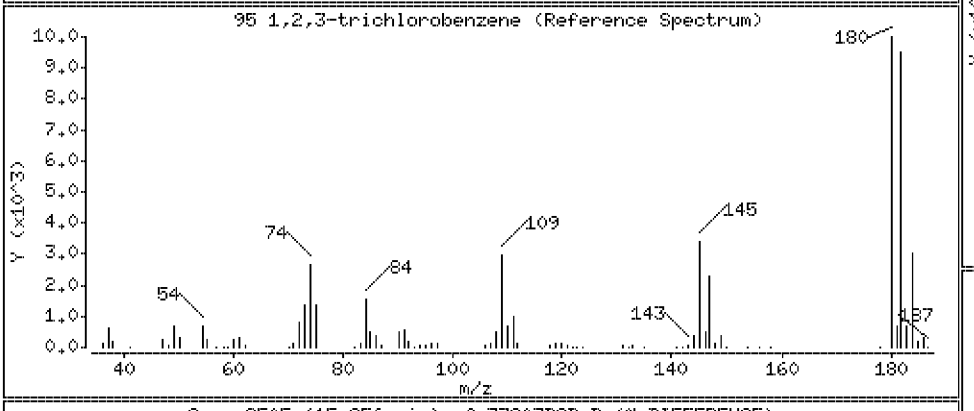
Column diameter: 0.18

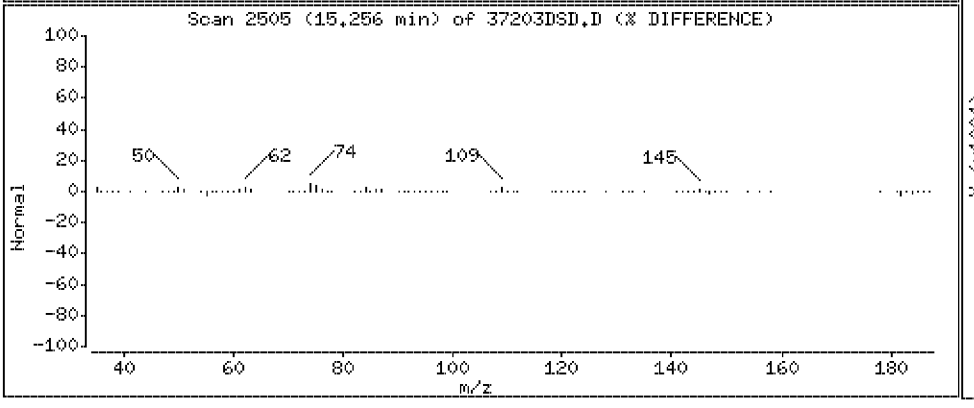
95 1,2,3-trichlorobenzene

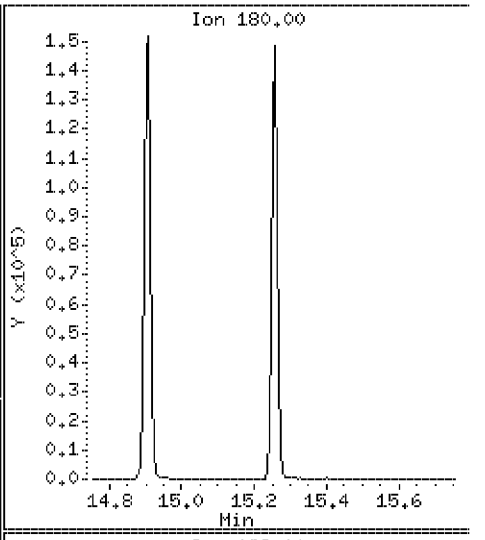
Concentration: 165 ug/l

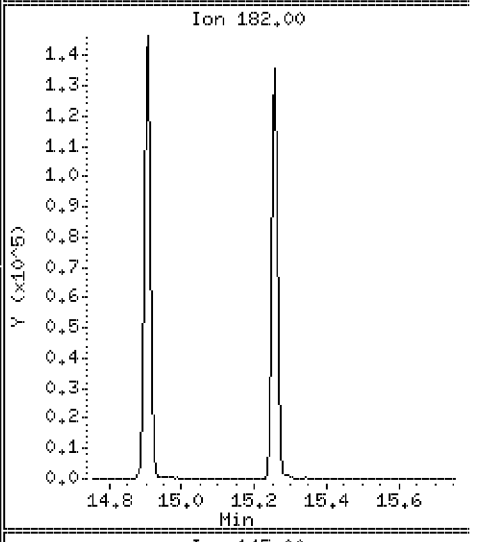


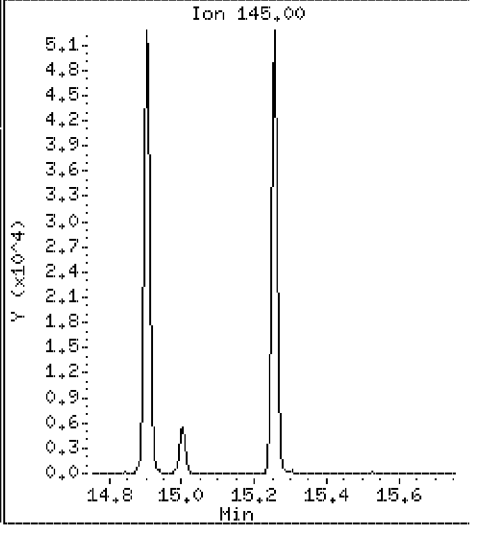












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

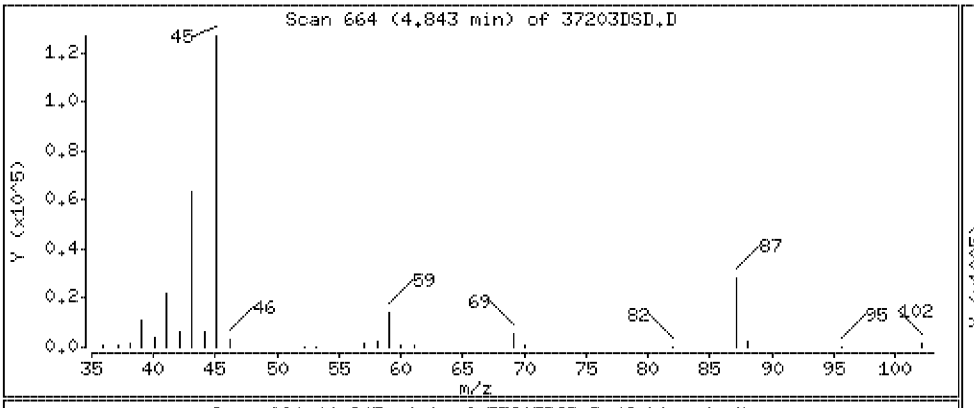
Operator:

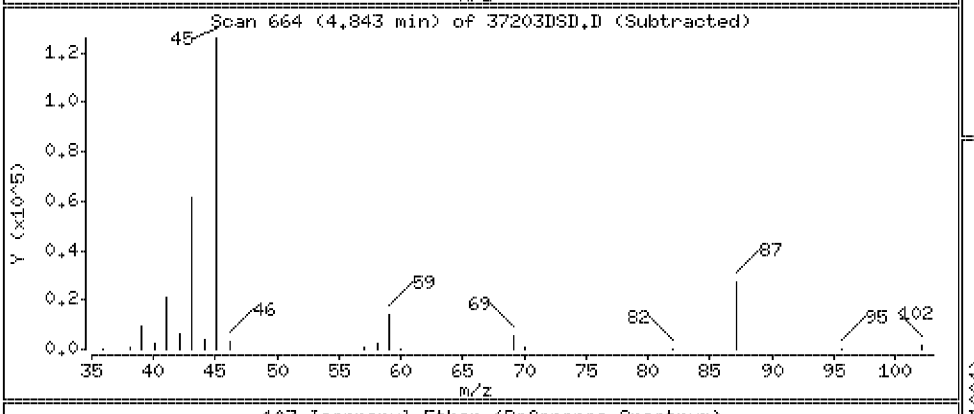
Column phase: DB-624

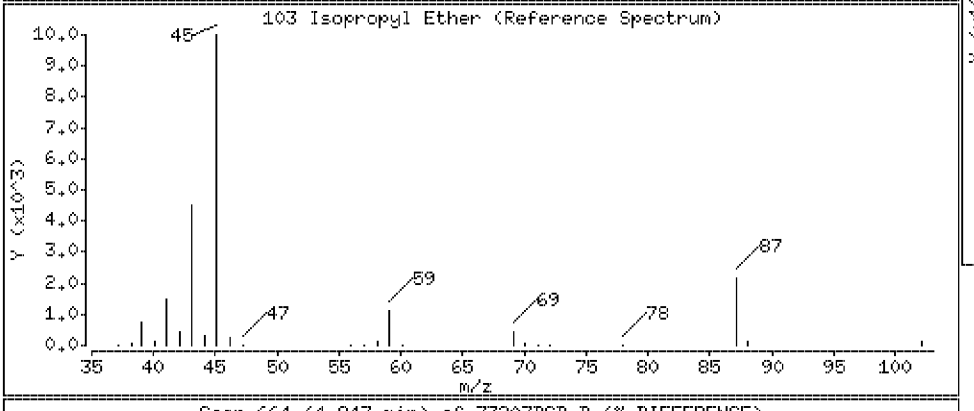
Column diameter: 0.18

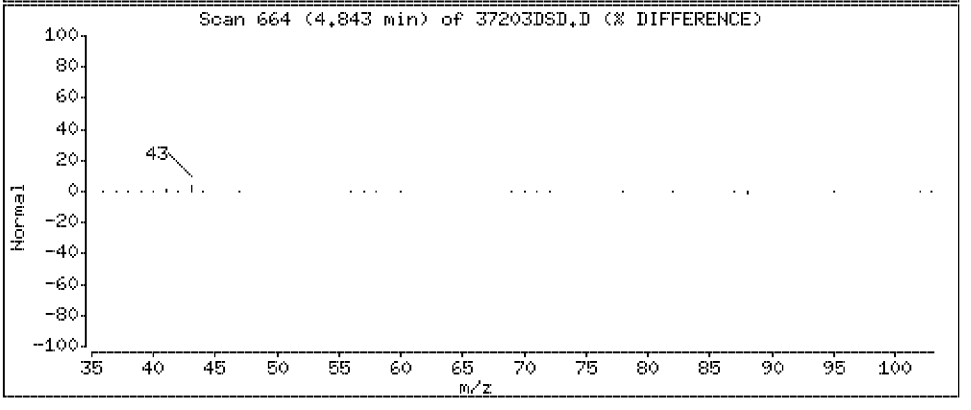
103 Isopropyl Ether

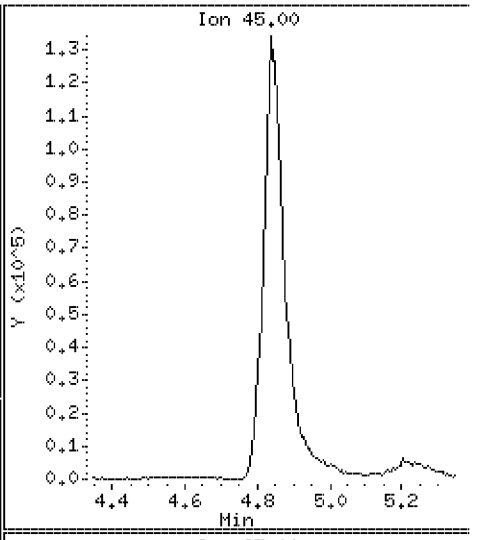
Concentration: 186 ug/l

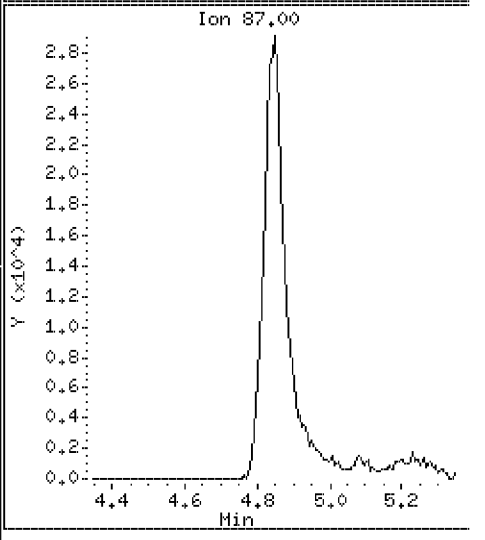












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

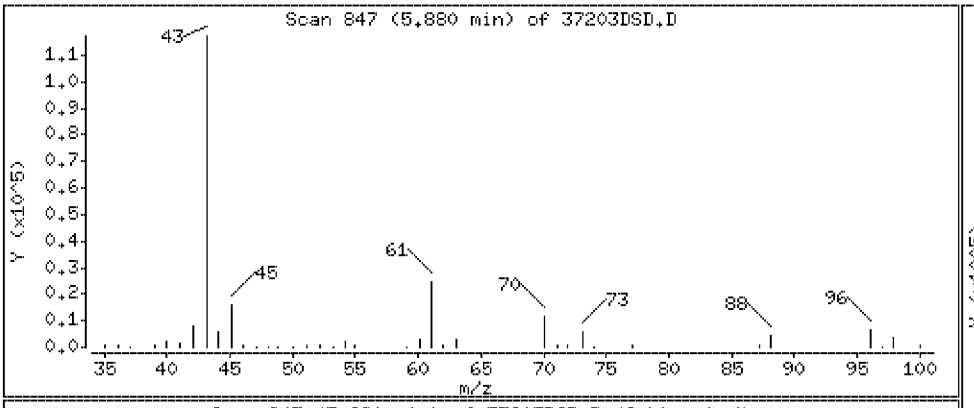
Operator:

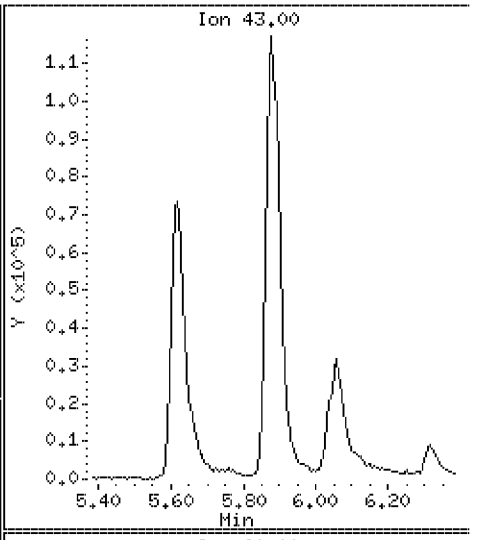
Column phase: DB-624

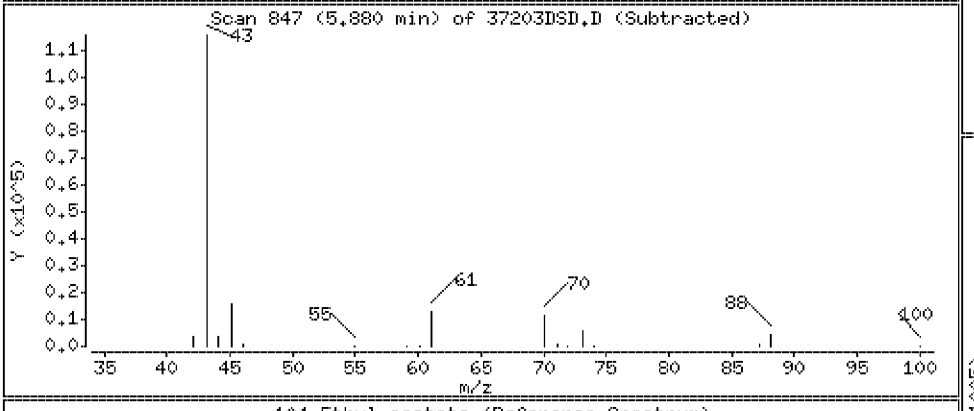
Column diameter: 0.18

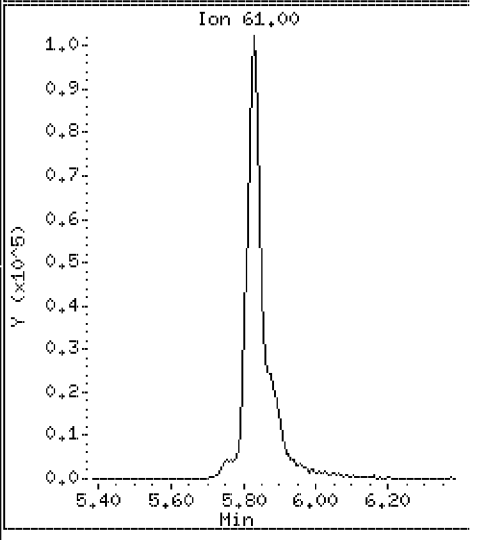
104 Ethyl acetate

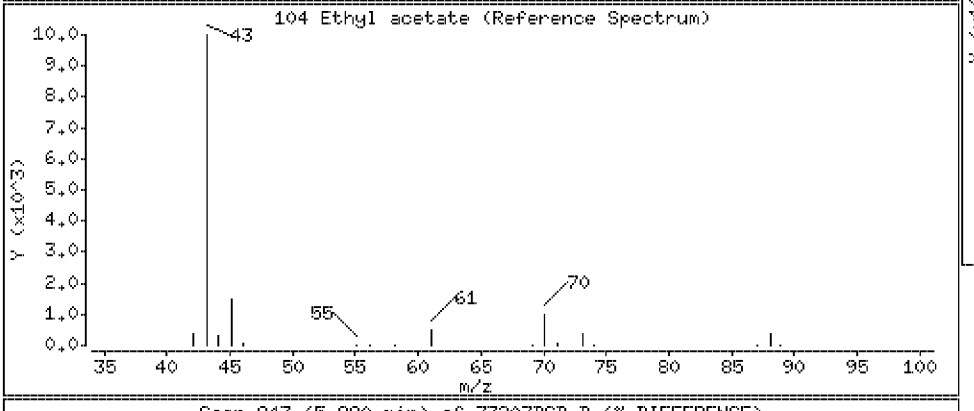
Concentration: 367 ug/l

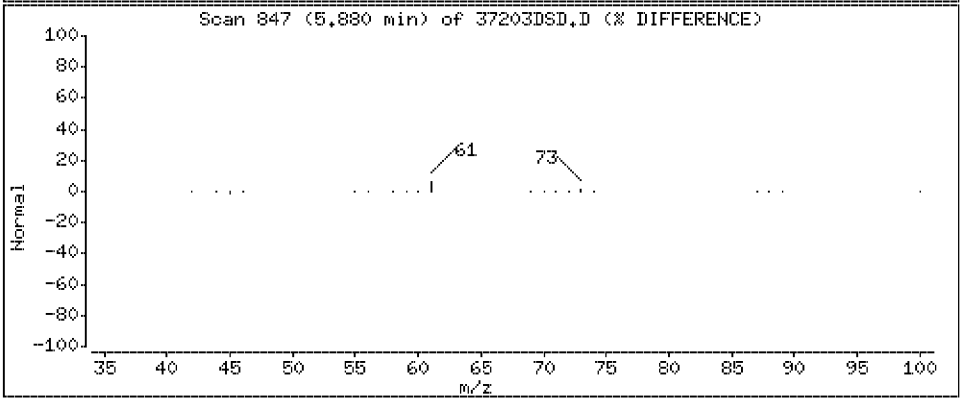












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

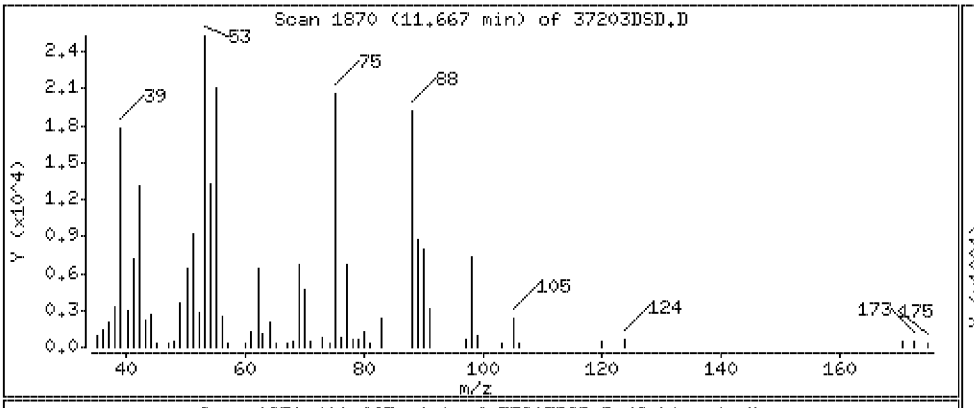
Operator:

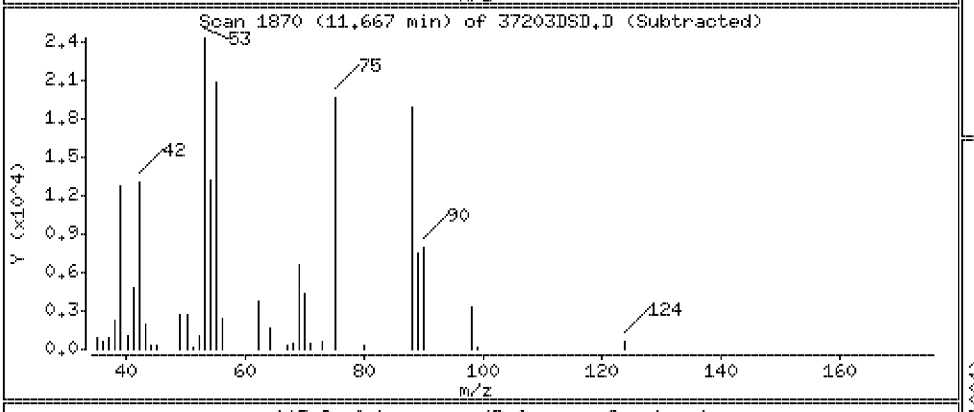
Column phase: DB-624

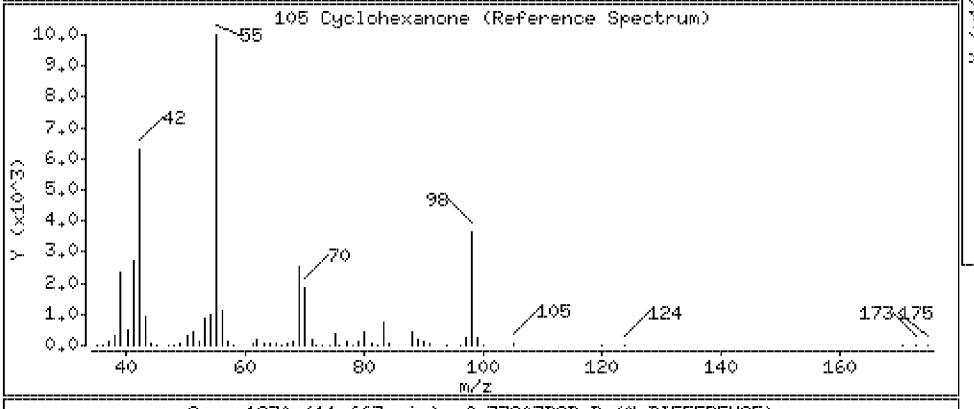
Column diameter: 0.18

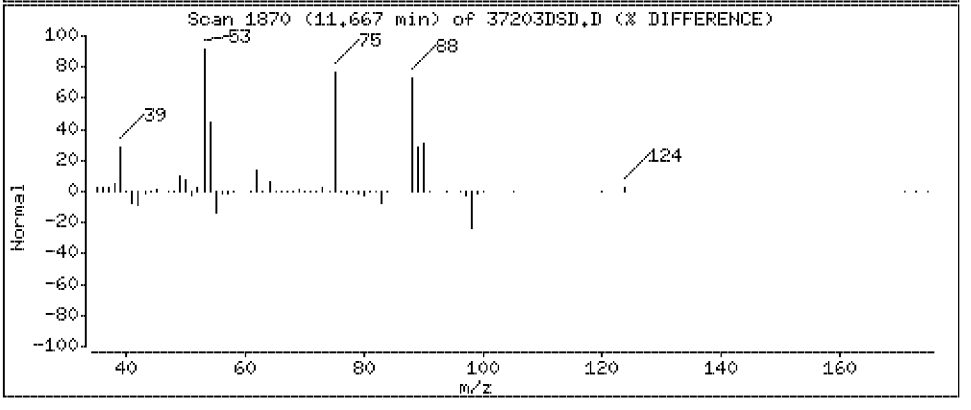
105 Cyclohexanone

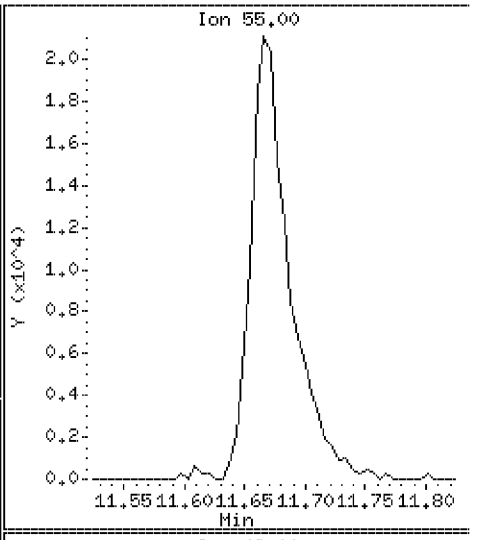
Concentration: 562 ug/l

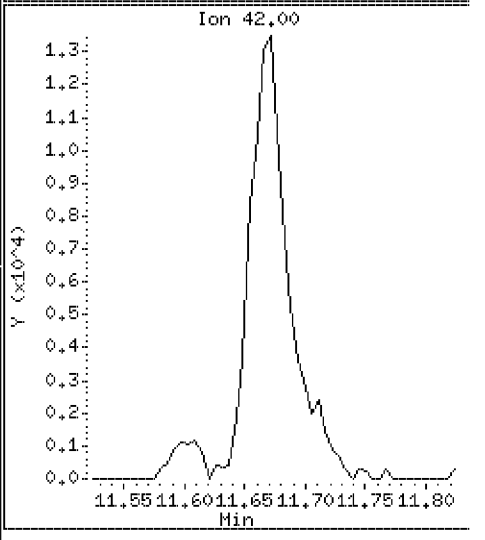












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

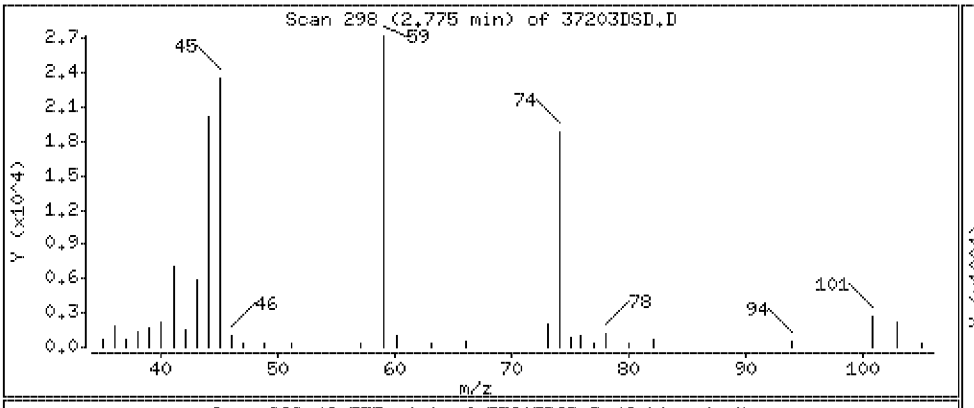
Operator:

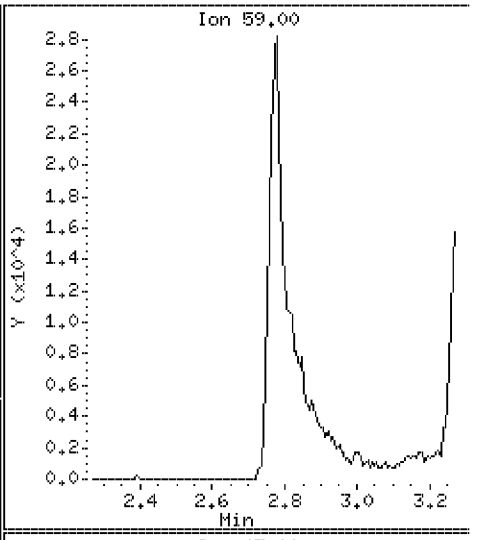
Column phase: DB-624

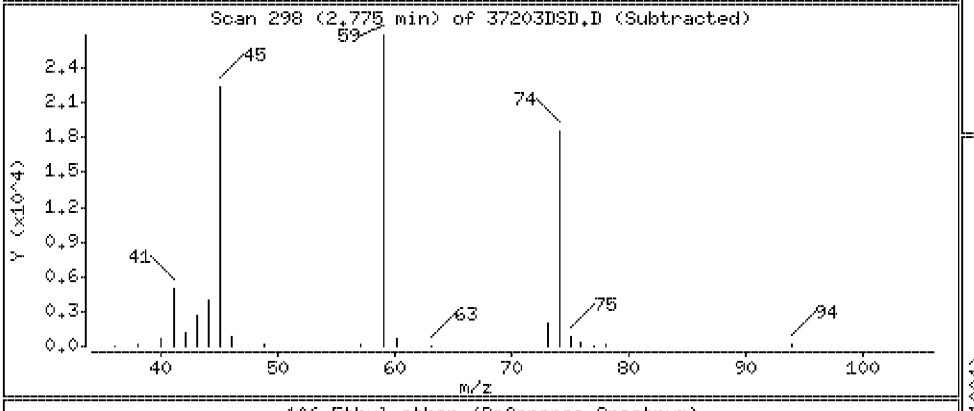
Column diameter: 0.18

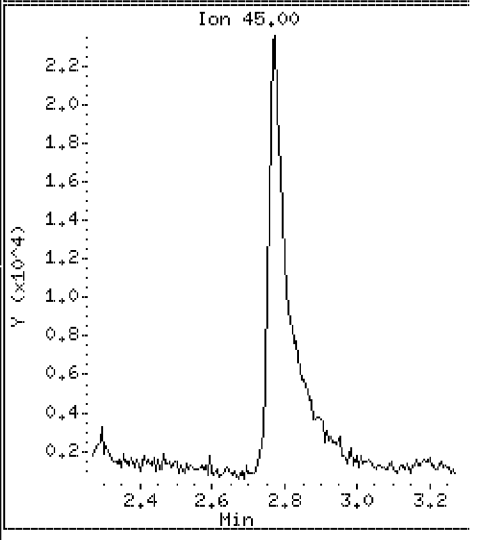
106 Ethyl ether

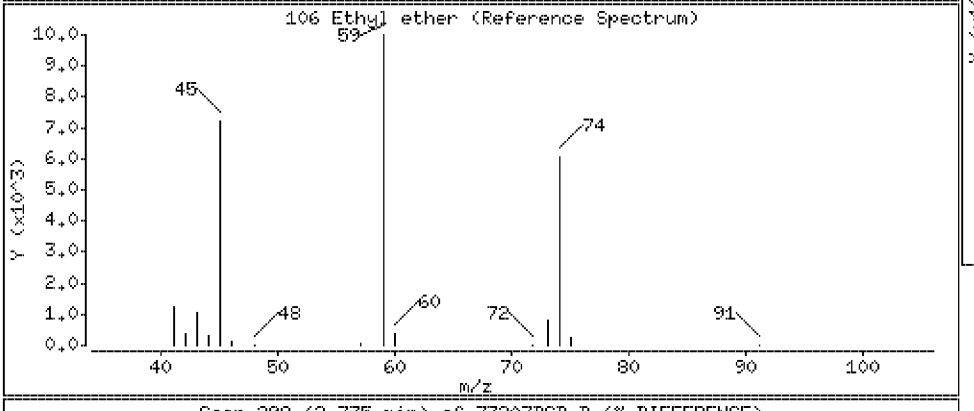
Concentration: 182 ug/l

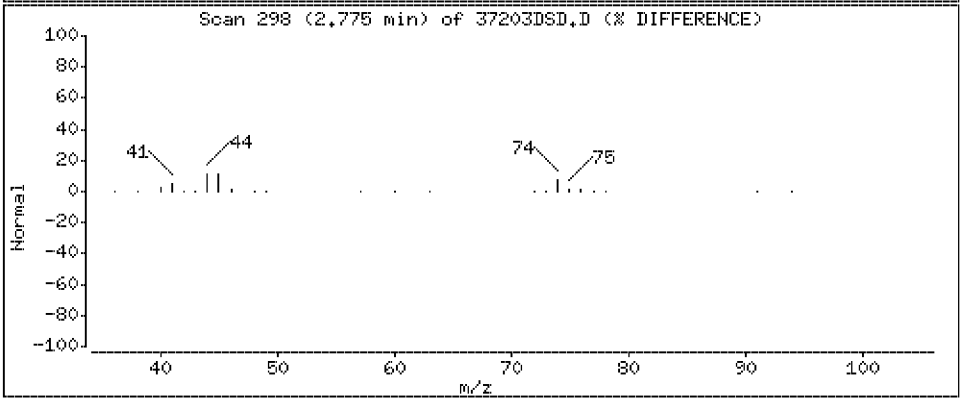












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Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

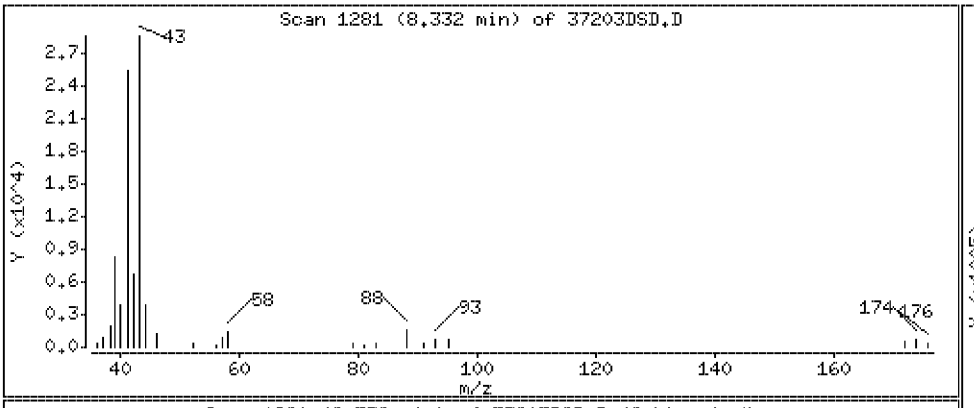
Operator:

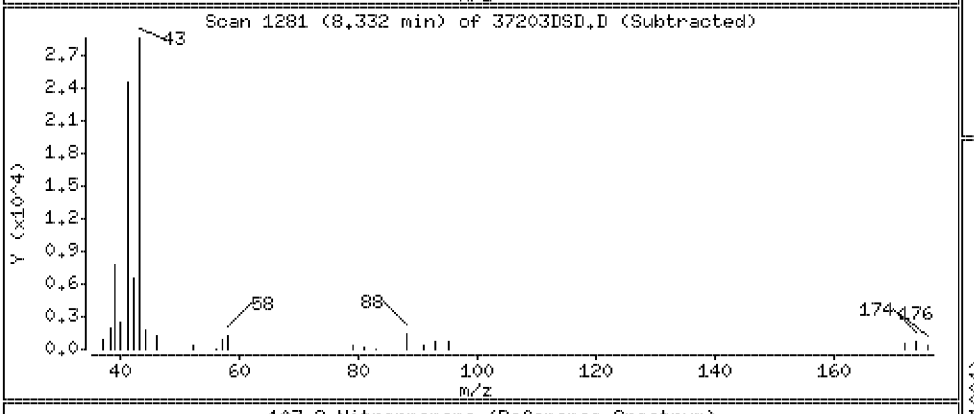
Column phase: DB-624

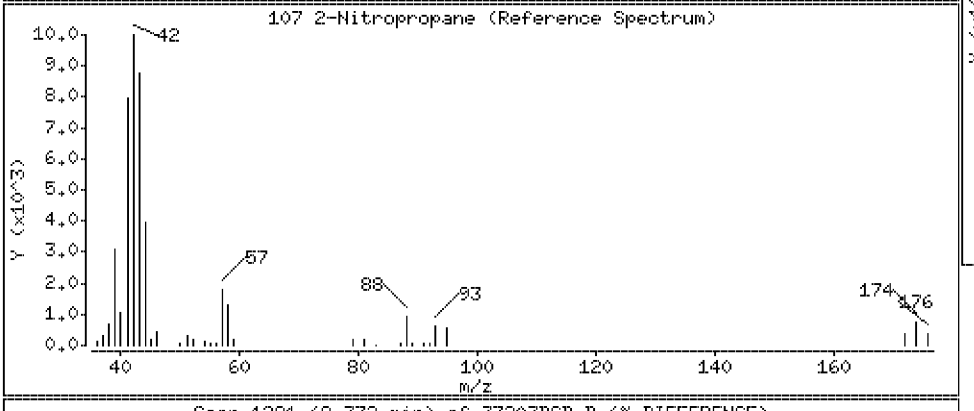
Column diameter: 0.18

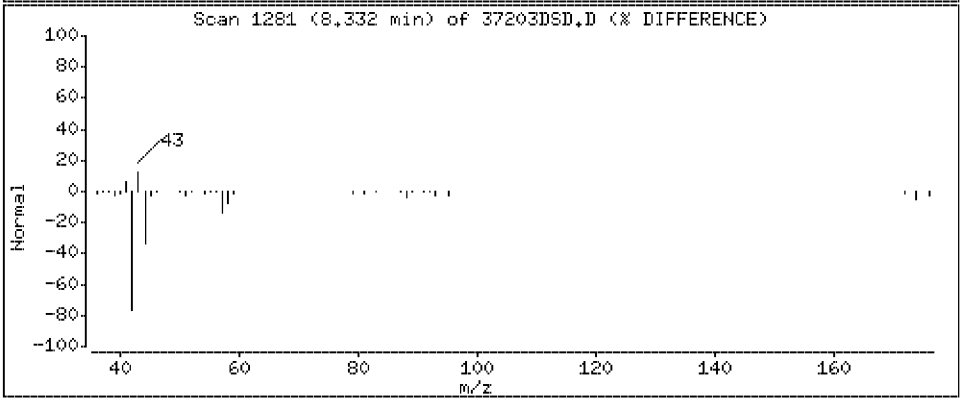
107 2-Nitropropane

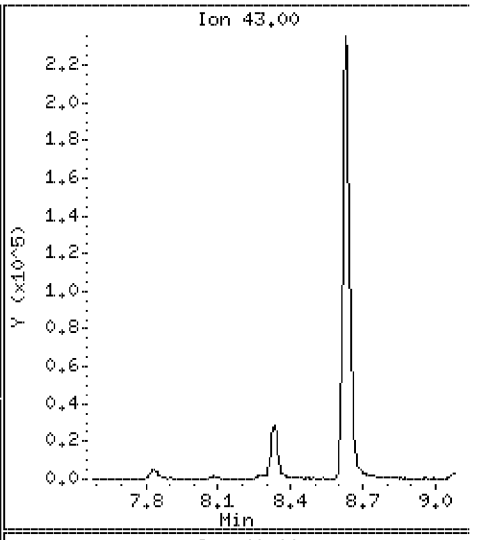
Concentration: 375 ug/l

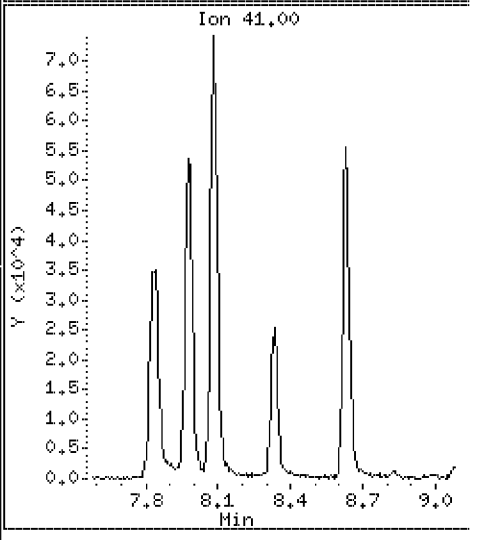












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37203DSD.D

Date : 21-AUG-2007 07:45

Client ID: TO05MW40AMSD

Instrument: vms03.i

Sample Info: 250737203;2507372;10;

Purge Volume: 5.0

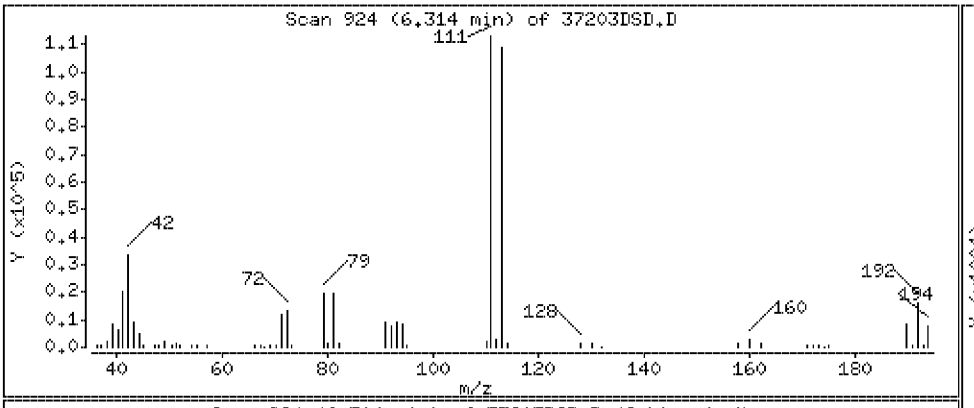
Operator:

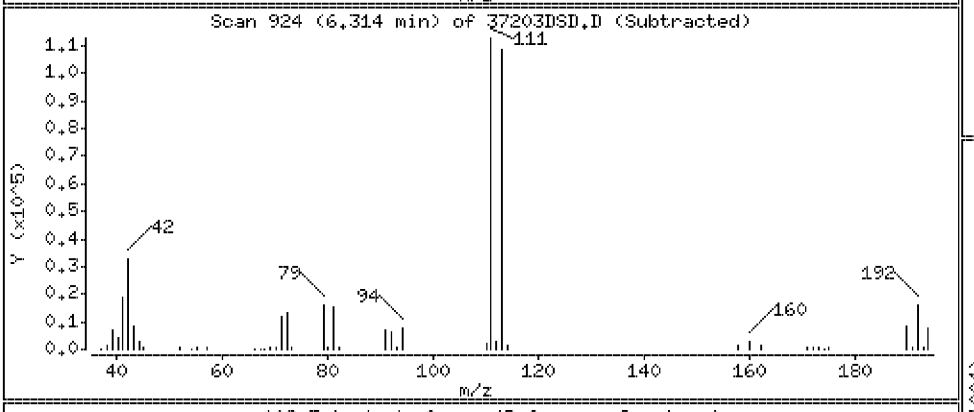
Column phase: DB-624

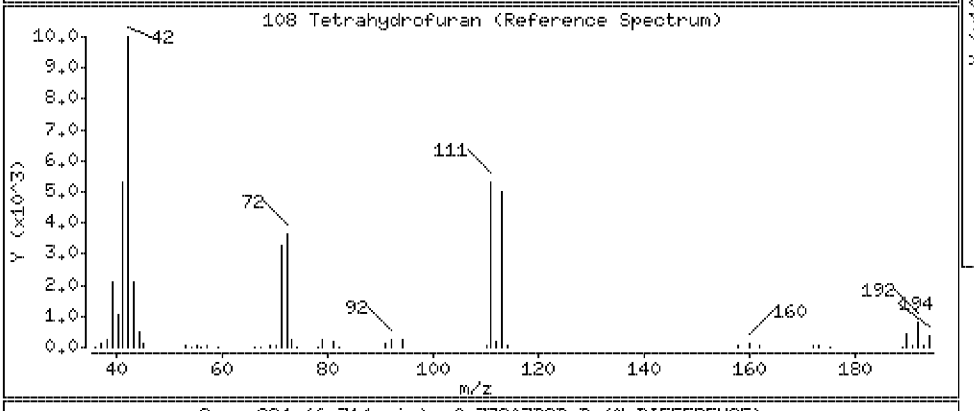
Column diameter: 0.18

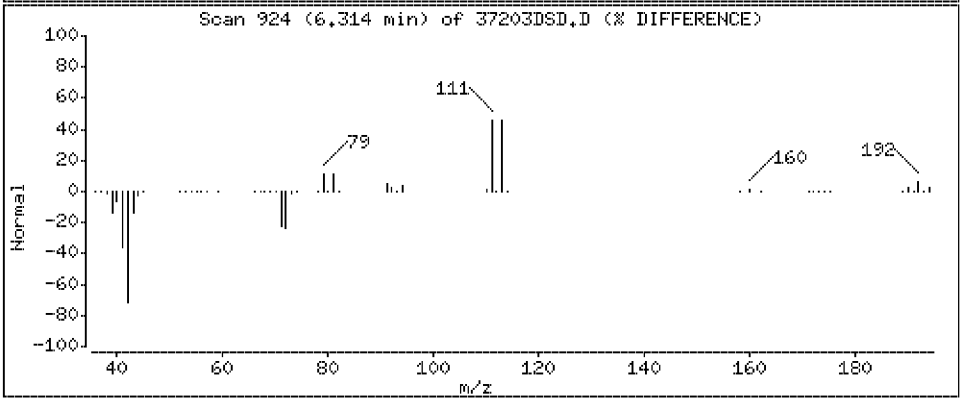
108 Tetrahydrofuran

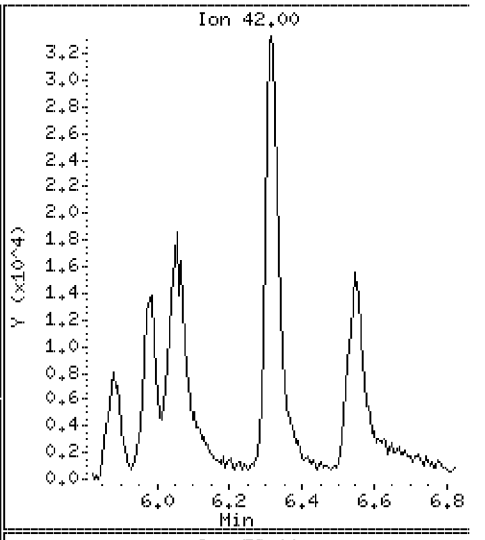
Concentration: 320 ug/l

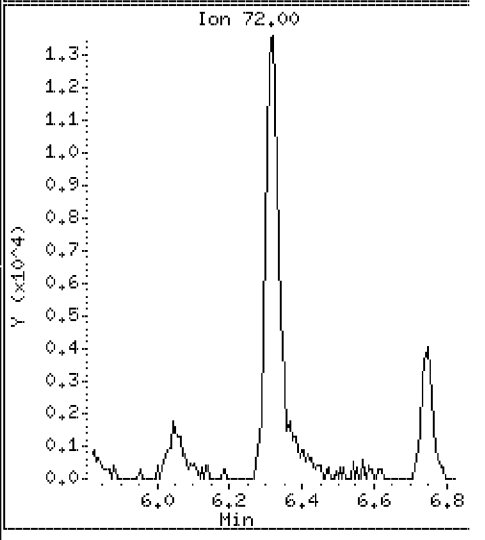












PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3082107.b\37204.D
Lab Smp Id: 250737204 Client Smp ID: TO05MW40B
Inj Date : 21-AUG-2007 15:16
Operator : Inst ID: vms03.i
Smp Info : 250737204;2507372;5;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3082107.b\8260A.m
Meth Date : 24-Aug-2007 07:37 mjacobs Quant Type: ISTD
Cal Date : 08-AUG-2007 09:24 Cal File: 1PPB.D
Als bottle: 25
Dil Factor: 5.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	5.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				164107	18.3995	92.0
6 Vinyl Chloride	62	1.741	1.738	(0.238)	56730	8.25707	41.3
29 cis-1,2-Dichloroethene	96	5.835	5.827	(0.796)	164107	18.3995	92.0(Q)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.329	6.326	(0.863)	348189	51.8559	51.8
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.953	6.951	(0.948)	85007	51.6642	51.7
41 Benzene	78	7.063	7.061	(0.963)	10664	0.29498	1.5(a)
* 42 FLUOROBENZENE (IS)	96	7.331	7.327	(1.000)	1405929	50.0000	
43 Trichloroethylene	130	7.780	7.776	(1.061)	4261450	548.455	2740(A)
$ 53 TOLUENE d8 (surr)	98	9.078	9.076	(1.238)	1411051	50.5611	50.6
59 Tetrachloroethylene	164	9.831	9.829	(0.925)	28797	5.06712	25.3
* 63 CHLOROBENZENE d5 (IS)	117	10.632	10.630	(1.000)	1012413	50.0000	
64 Chlorobenzene	112	10.670	10.668	(1.004)	16990	0.73673	3.7(a)
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.859	11.857	(0.909)	536768	49.1697	49.2
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.049	13.048	(1.000)	527519	50.0000	

QC Flag Legend

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

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 37204.D
Lab Smp Id: 250737204
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3082107.b\8260A.m
Misc Info:

Calibration Date: 08-AUG-2007
Calibration Time: 06:09
Client Smp ID: TO05MW40B
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1538145	769073	3076290	1405929	-8.60
63 CHLOROBENZENE d5	1065619	532810	2131238	1012413	-4.99
86 1,4-DICHLOROBENZE	594676	297338	1189352	527519	-11.29

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.33	6.83	7.83	7.33	0.06
63 CHLOROBENZENE d5	10.63	10.13	11.13	10.63	0.01
86 1,4-DICHLOROBENZE	13.05	12.55	13.55	13.05	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37204.D

Date : 21-AUG-2007 15:16

Client ID: T005MW40B

Instrument: vms03.i

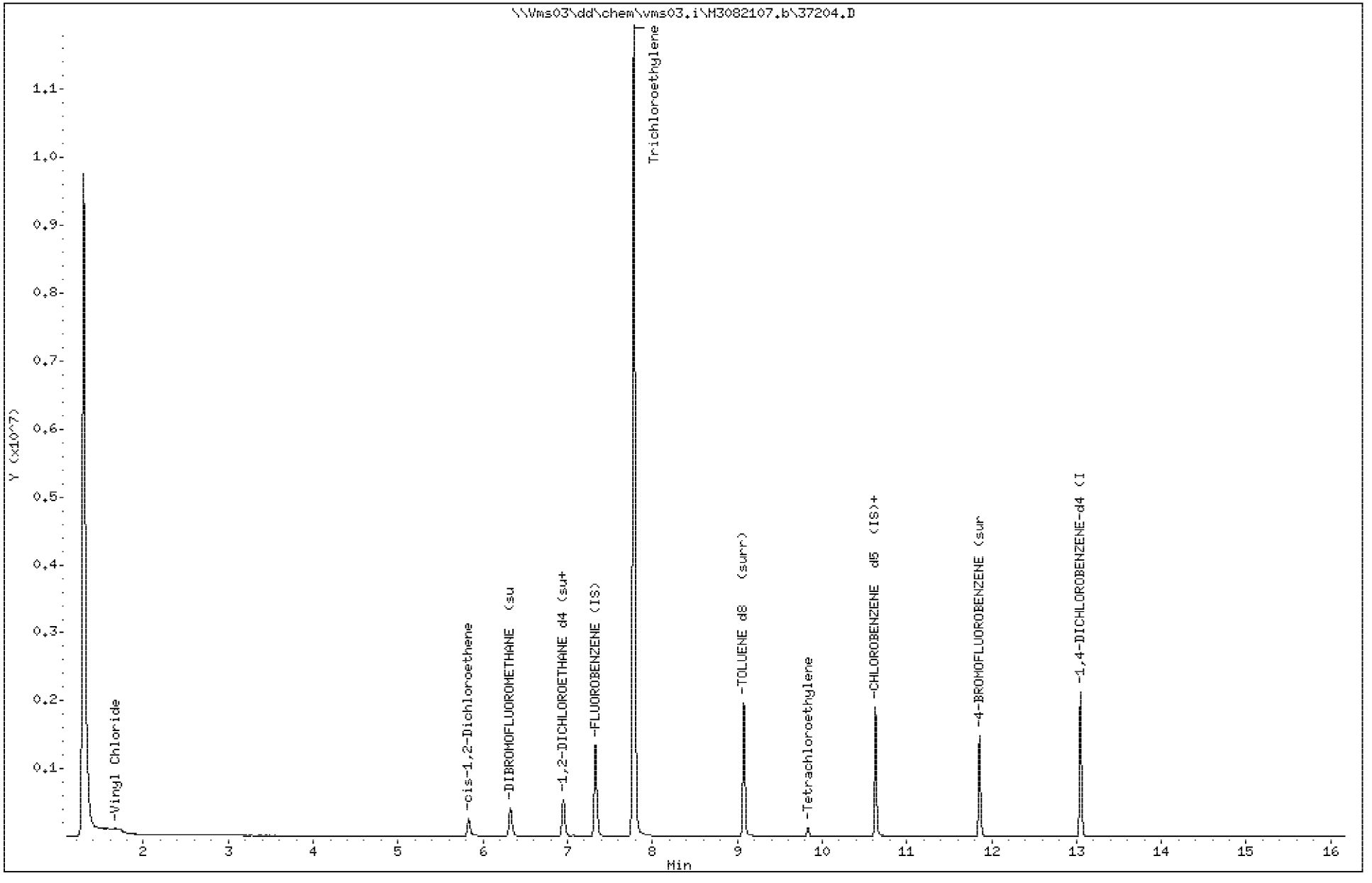
Sample Info: 250737204;2507372;5;

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37204.D

Date : 21-AUG-2007 15:16

Client ID: TO05MW40B

Instrument: vms03.i

Sample Info: 250737204;2507372;5;

Purge Volume: 5.0

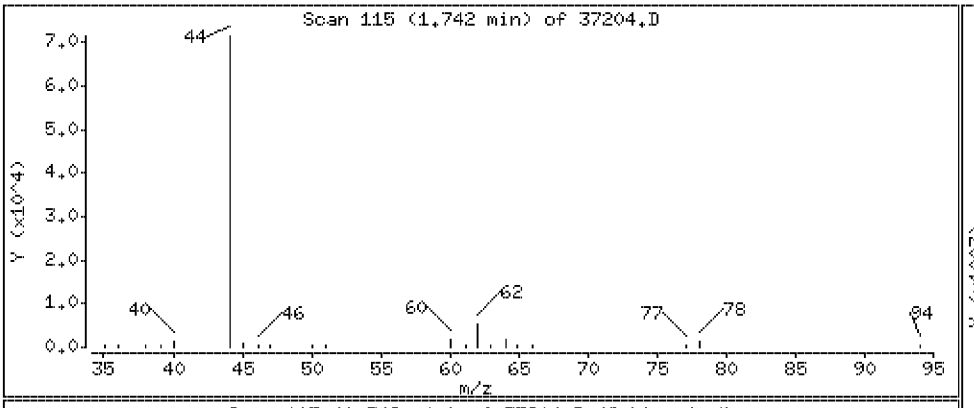
Operator:

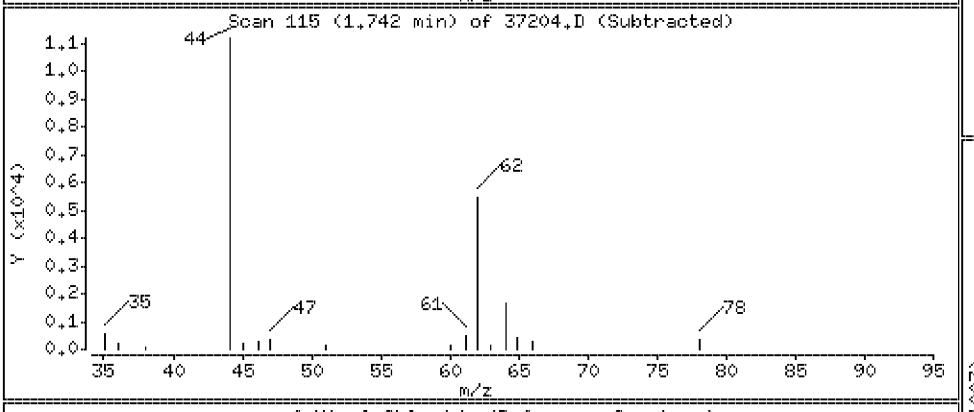
Column phase: DB-624

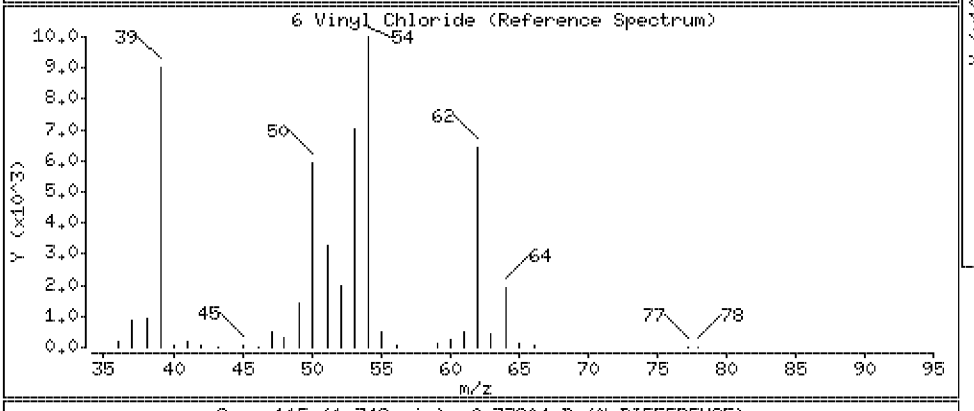
Column diameter: 0.18

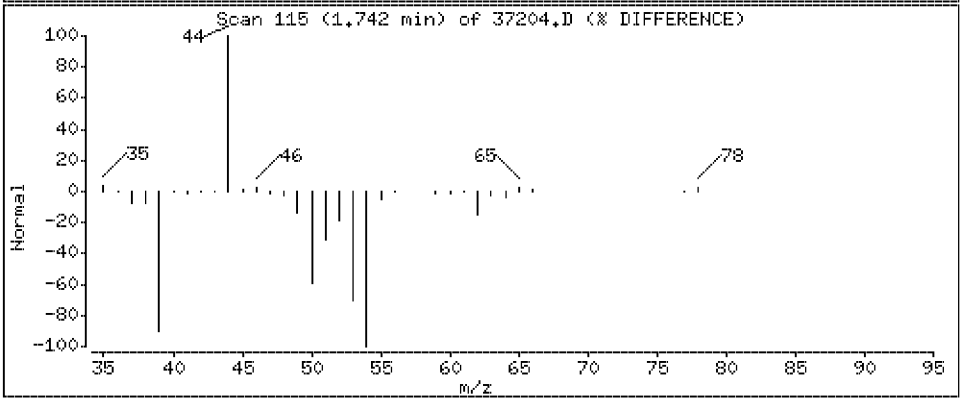
6 Vinyl Chloride

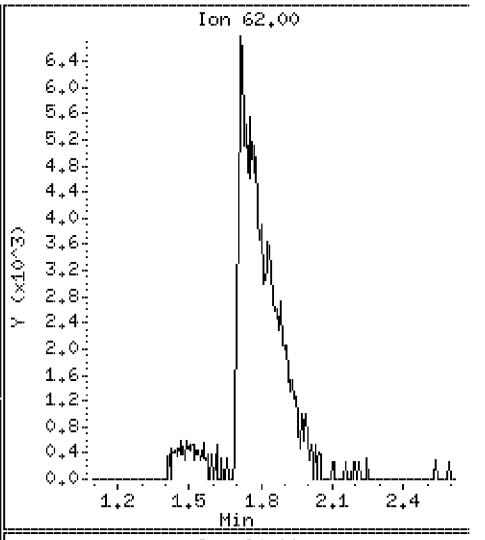
Concentration: 41.3 ug/l

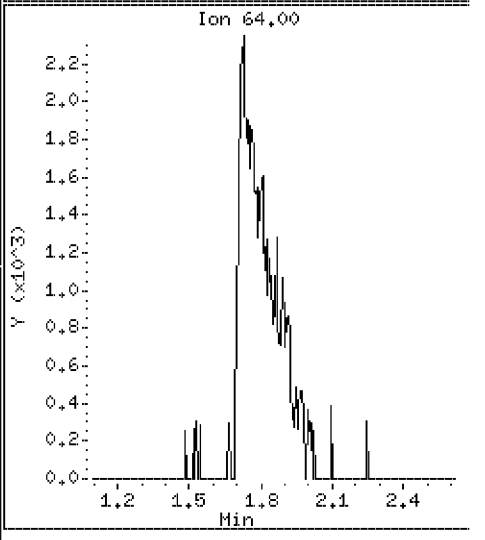












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37204.D

Date : 21-AUG-2007 15:16

Client ID: TO05MW40B

Instrument: vms03.i

Sample Info: 250737204;2507372;5;

Purge Volume: 5.0

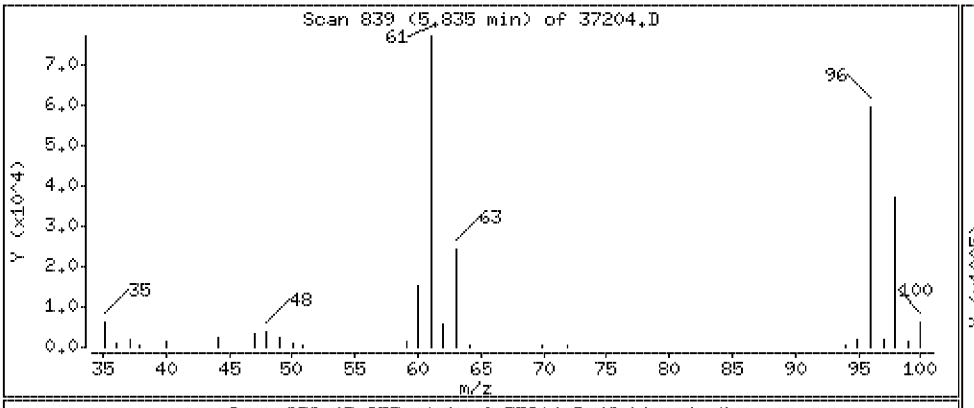
Operator:

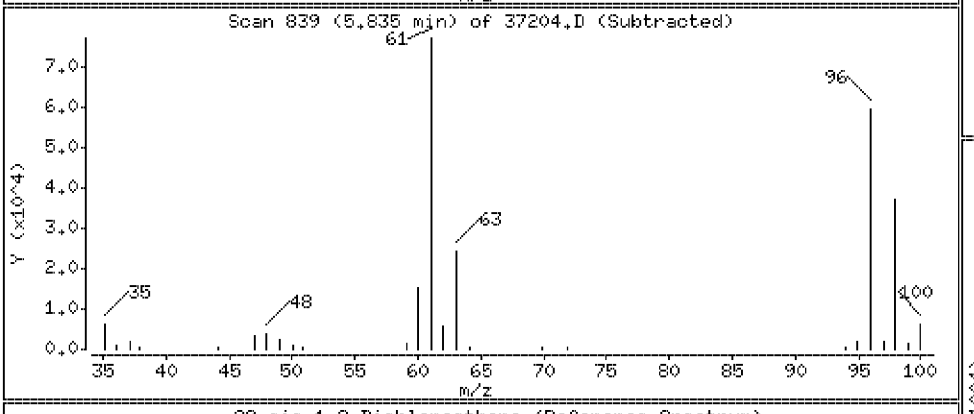
Column phase: DB-624

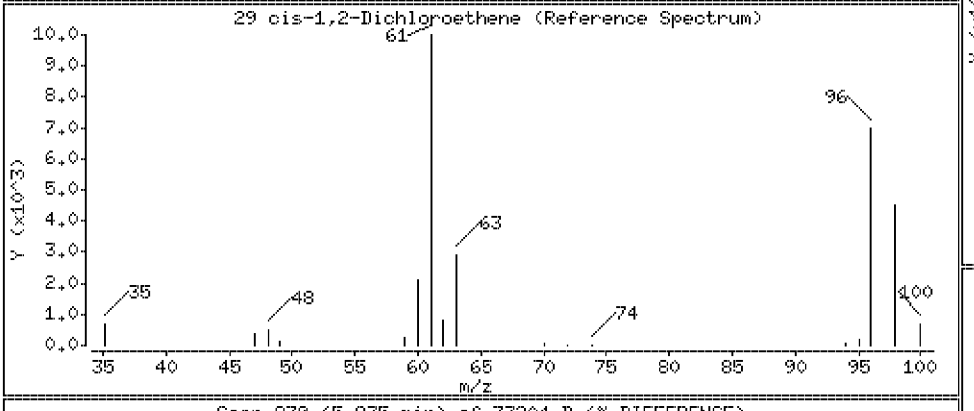
Column diameter: 0.18

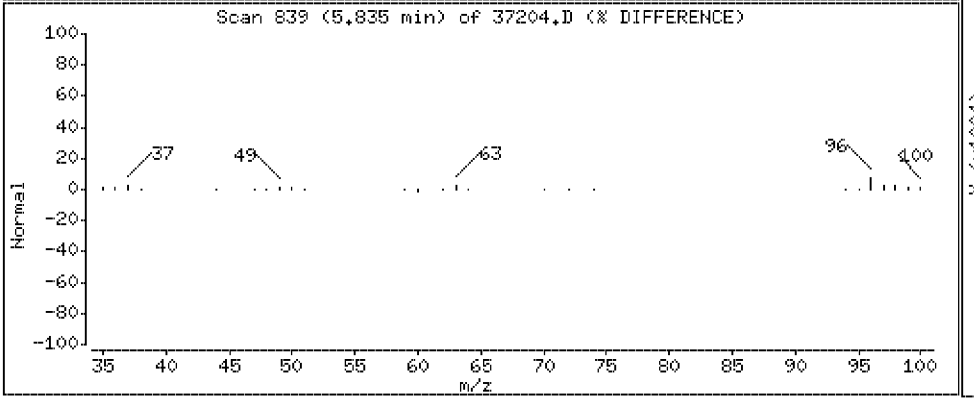
29 cis-1,2-Dichloroethene

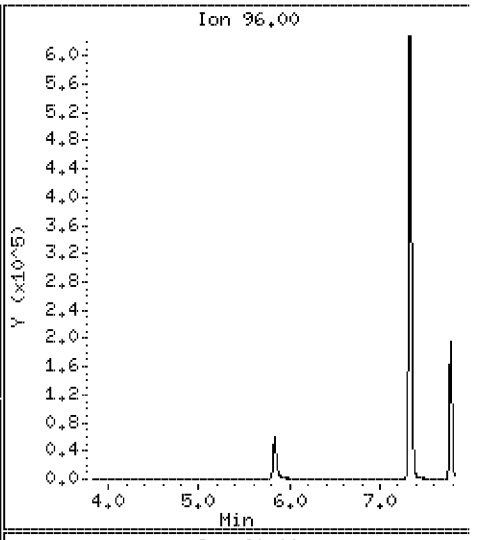
Concentration: 92.0 ug/l

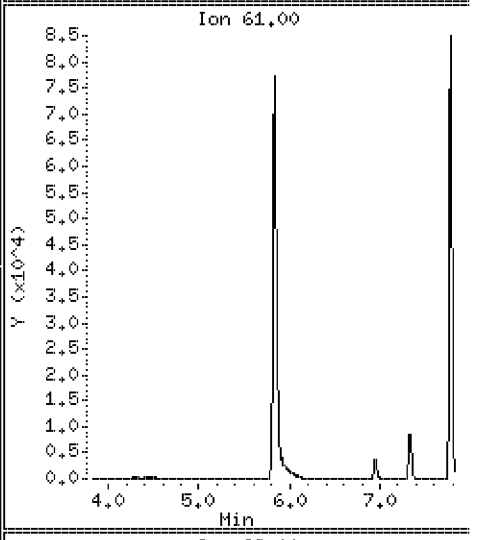


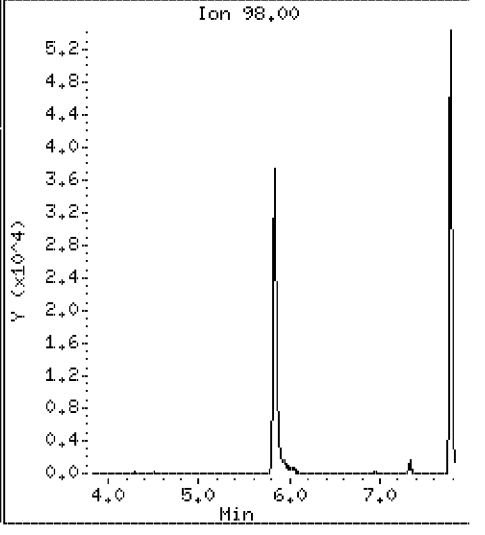












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37204.D

Date : 21-AUG-2007 15:16

Client ID: TO05MW40B

Instrument: vms03.i

Sample Info: 250737204;2507372;5;

Purge Volume: 5.0

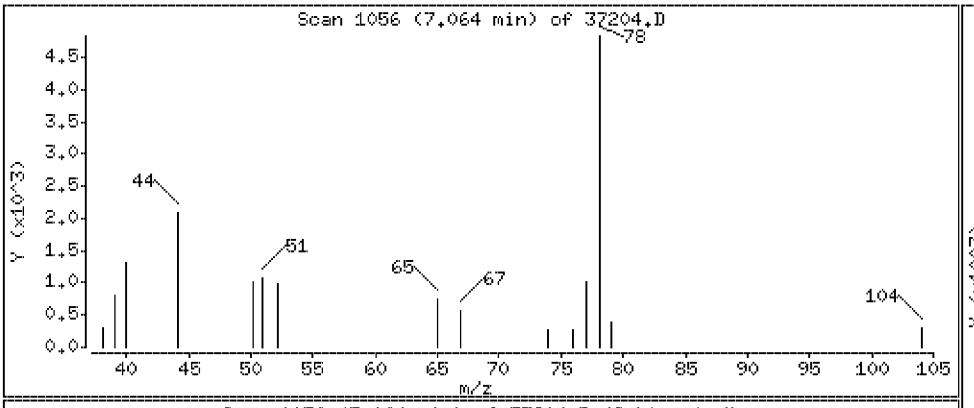
Operator:

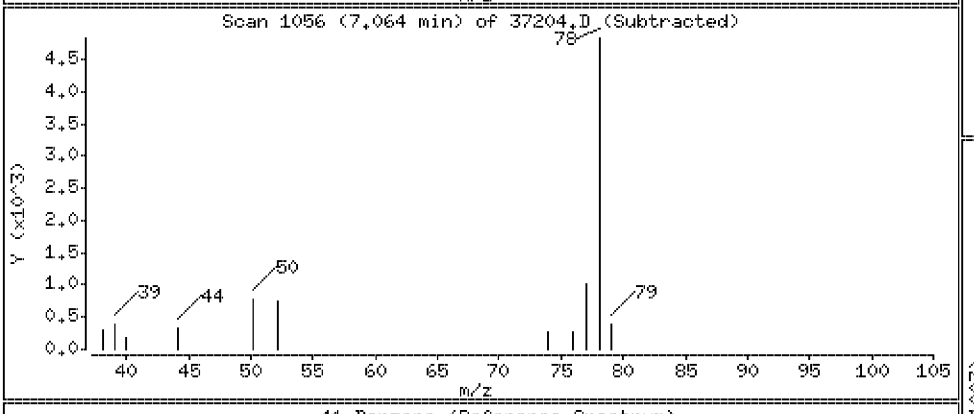
Column phase: DB-624

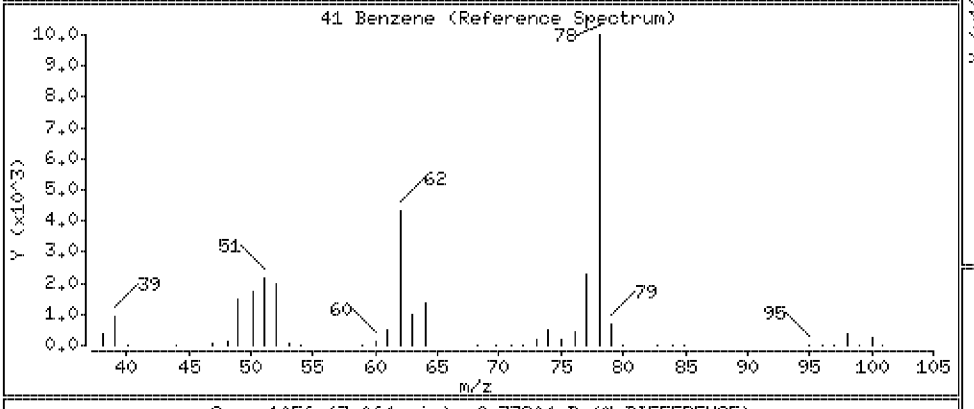
Column diameter: 0.18

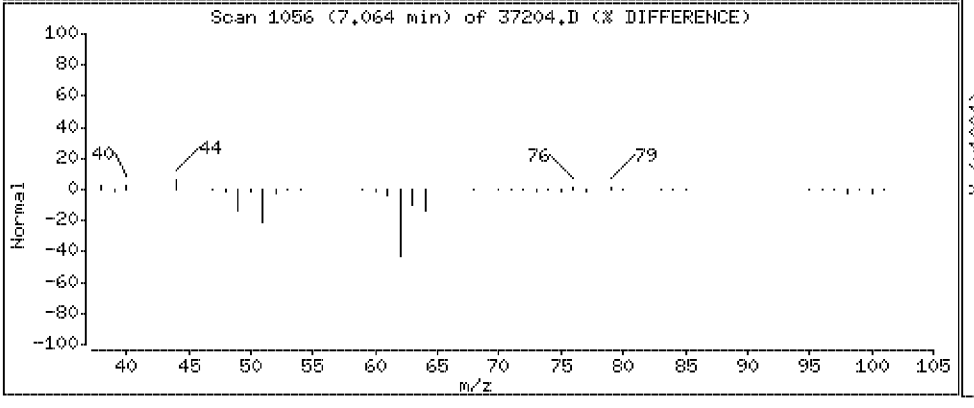
41 Benzene

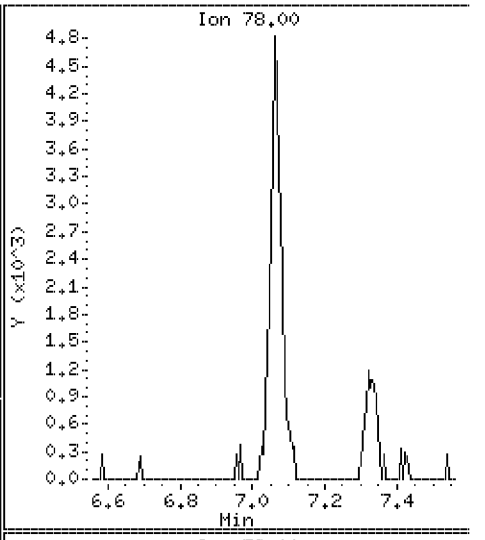
Concentration: 1.5 ug/l

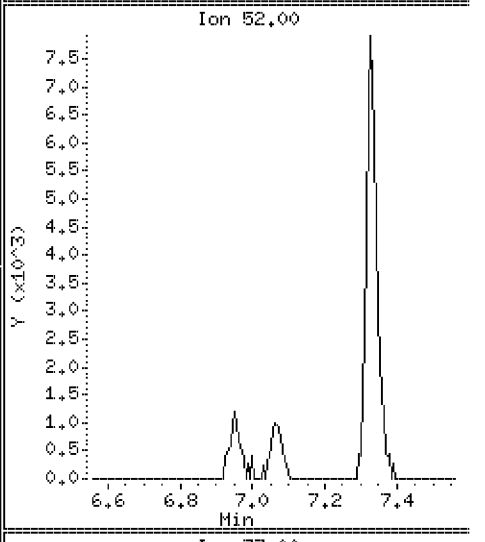


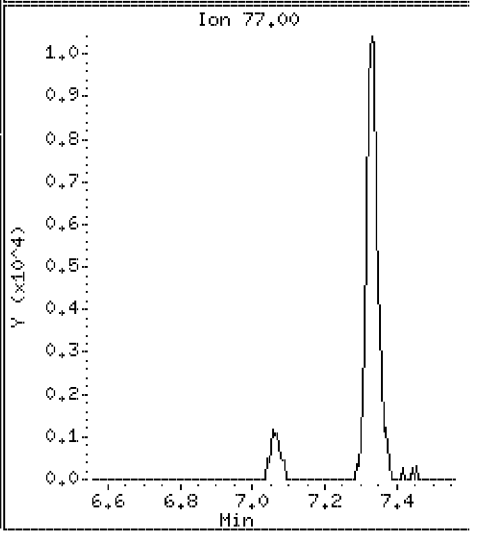












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37204.D

Date : 21-AUG-2007 15:16

Client ID: TO05MW40B

Instrument: vms03.i

Sample Info: 250737204;2507372;5;

Purge Volume: 5.0

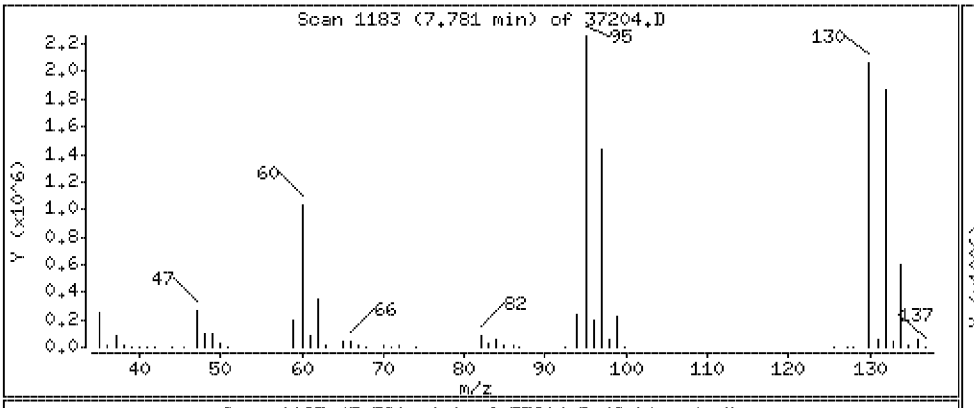
Operator:

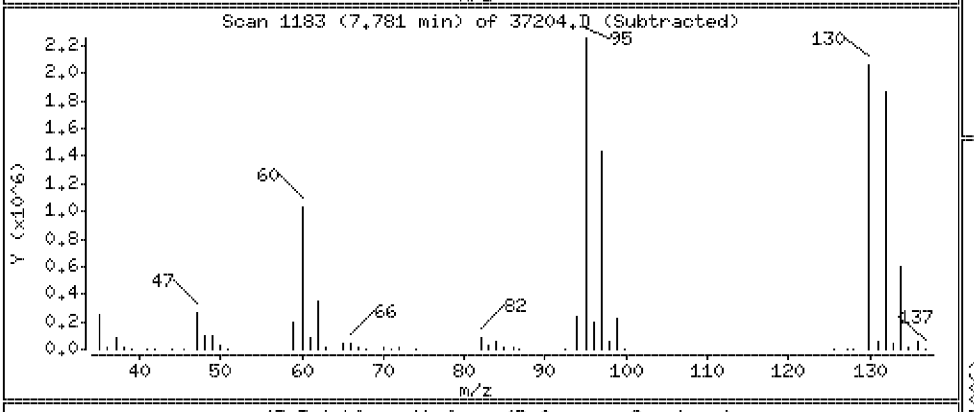
Column phase: DB-624

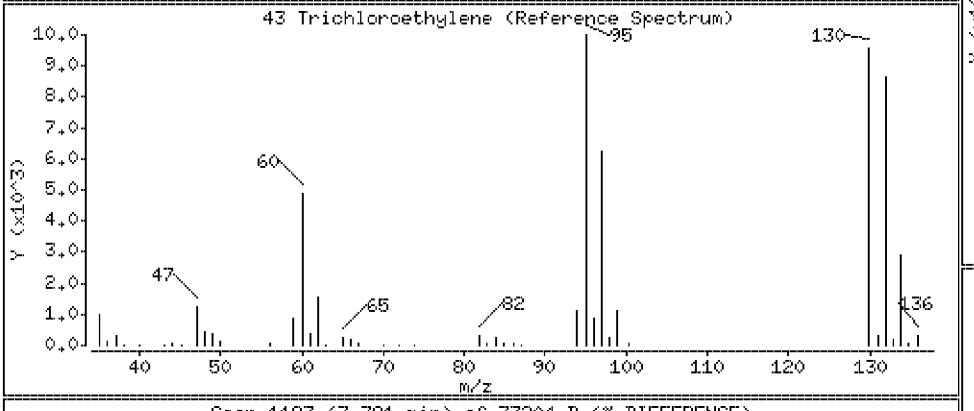
Column diameter: 0.18

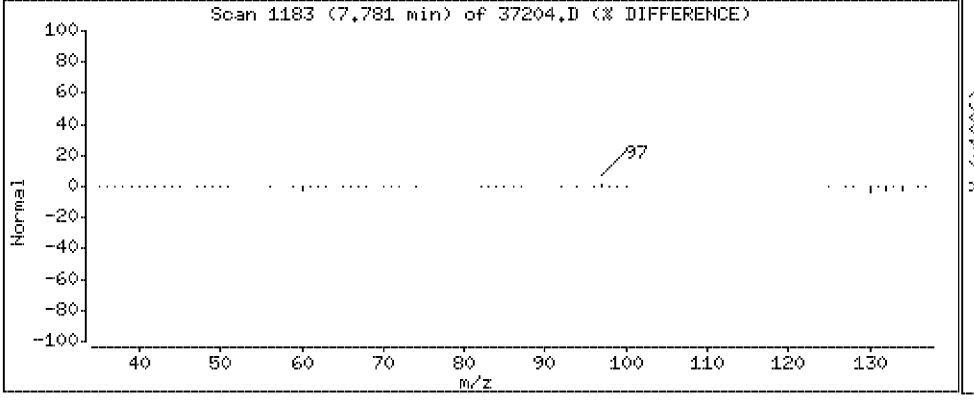
43 Trichloroethylene

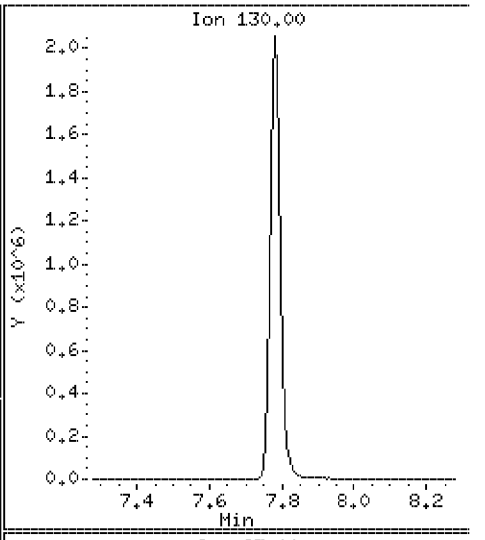
Concentration: 2740 ug/l

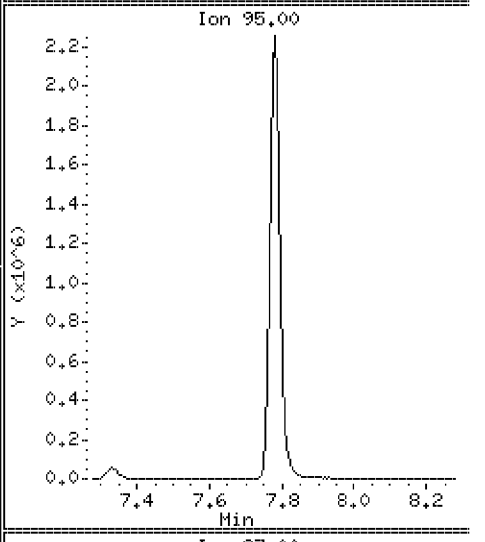


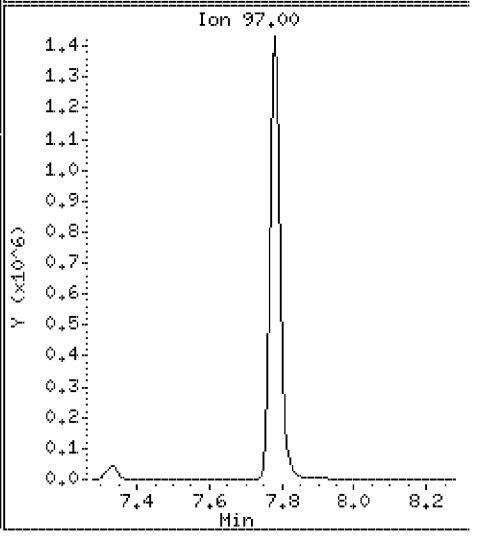












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37204.D

Date : 21-AUG-2007 15:16

Client ID: TO05MW40B

Instrument: vms03.i

Sample Info: 250737204;2507372;5;

Purge Volume: 5.0

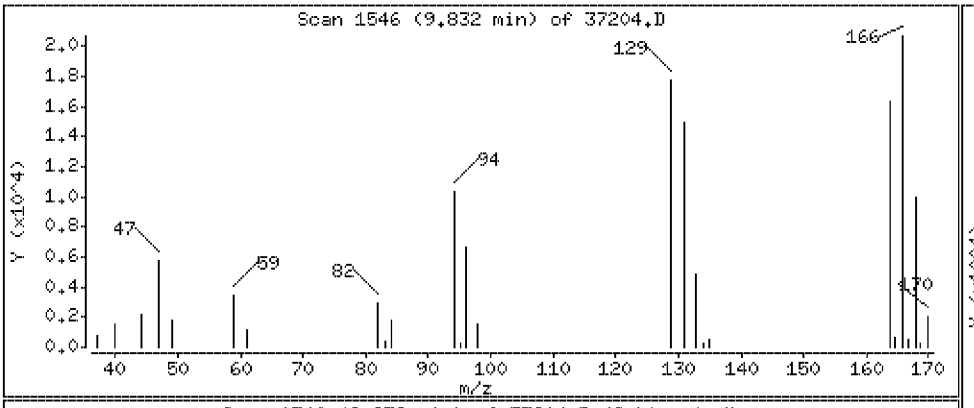
Operator:

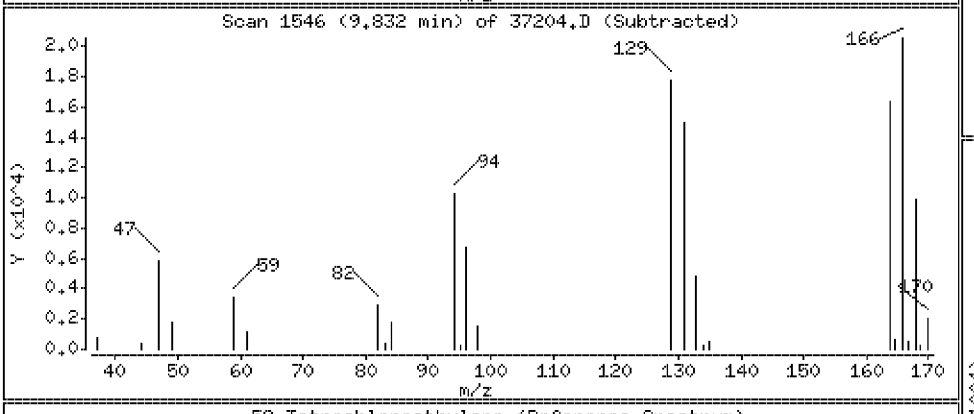
Column phase: DB-624

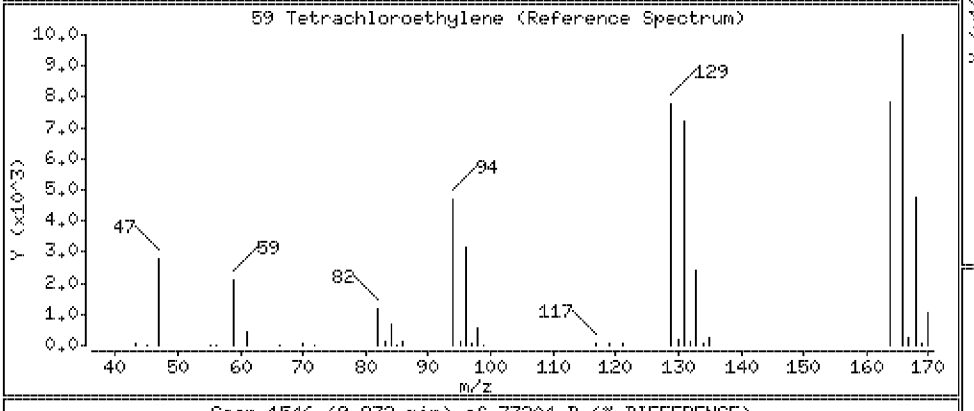
Column diameter: 0.18

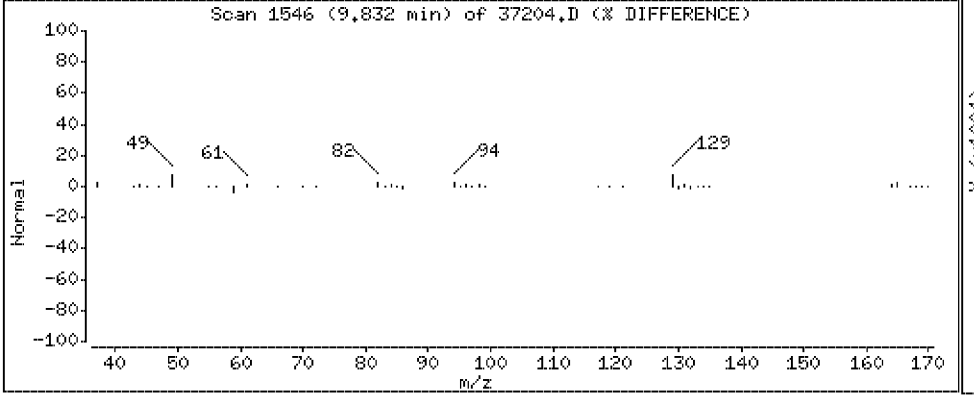
59 Tetrachloroethylene

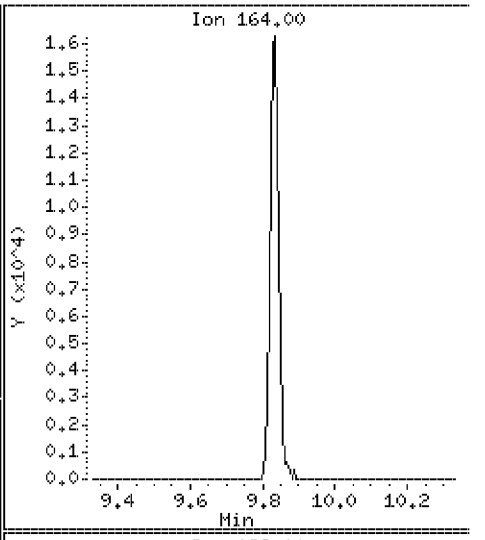
Concentration: 25.3 ug/l

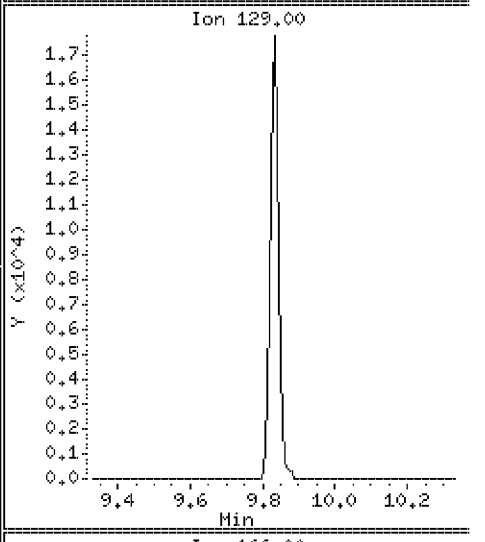


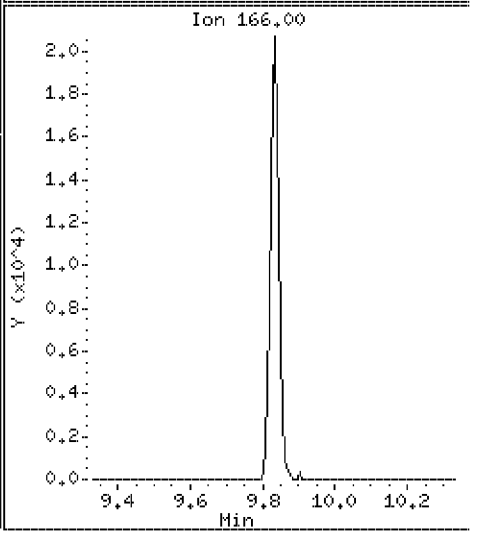












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37204.D

Date : 21-AUG-2007 15:16

Client ID: TO05MW40B

Instrument: vms03.i

Sample Info: 250737204;2507372;5;

Purge Volume: 5.0

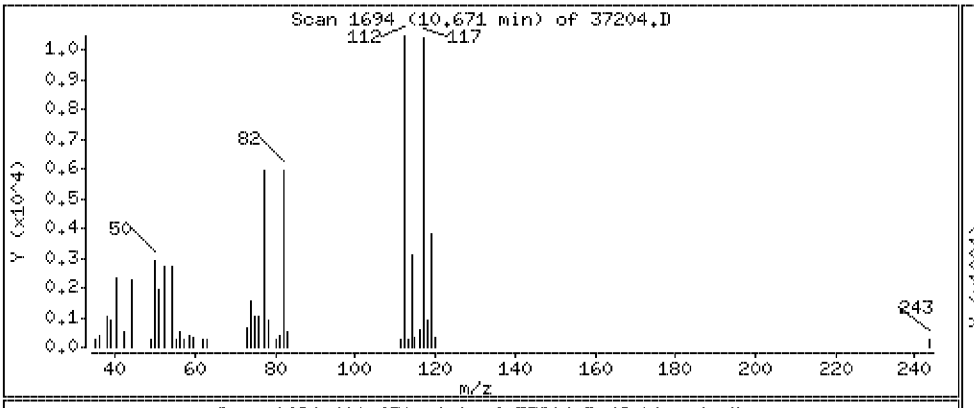
Operator:

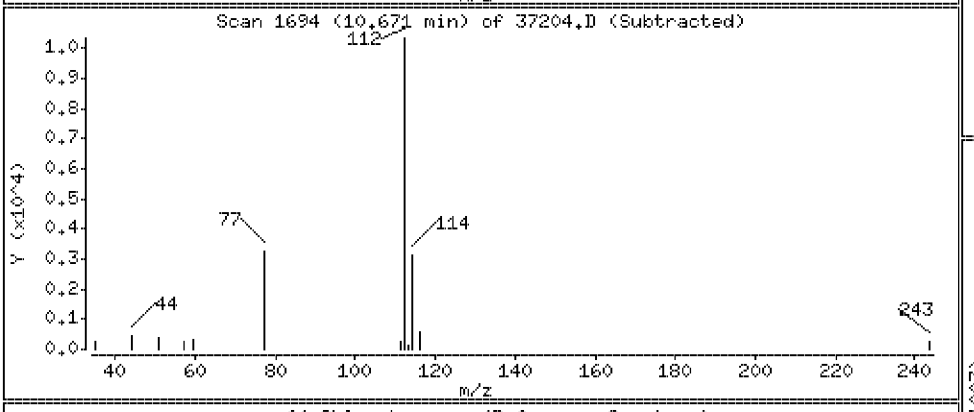
Column phase: DB-624

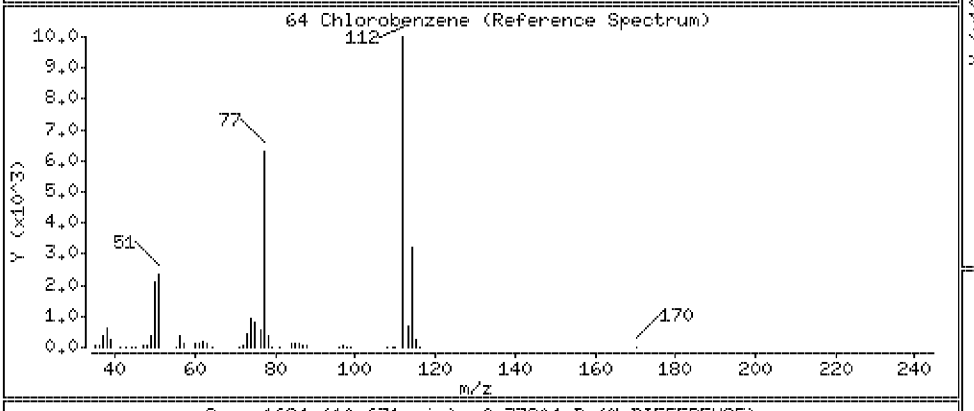
Column diameter: 0.18

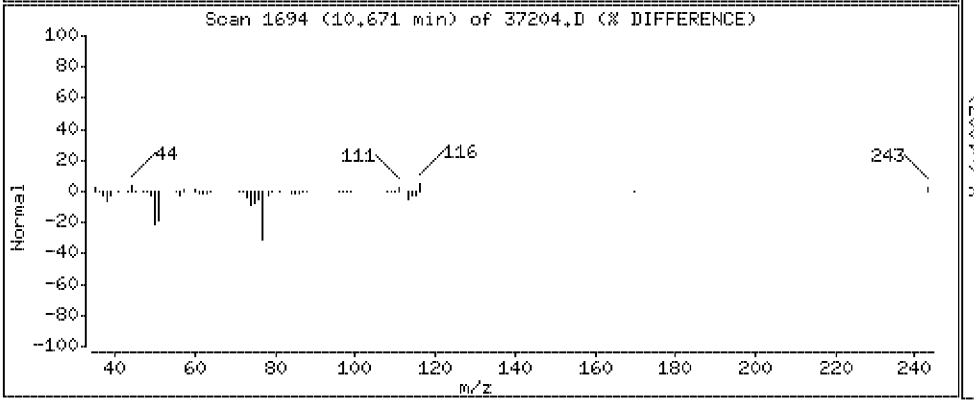
64 Chlorobenzene

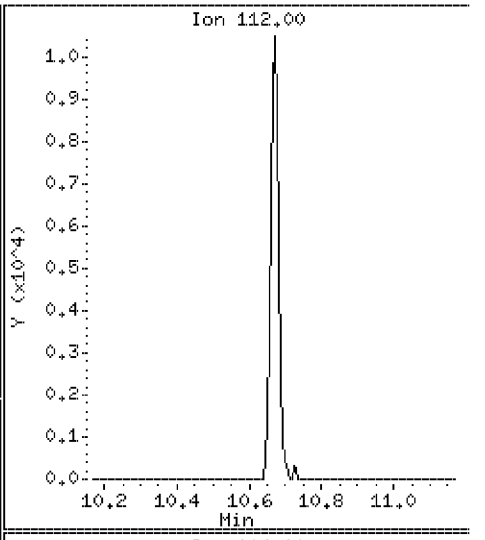
Concentration: 3.7 ug/l

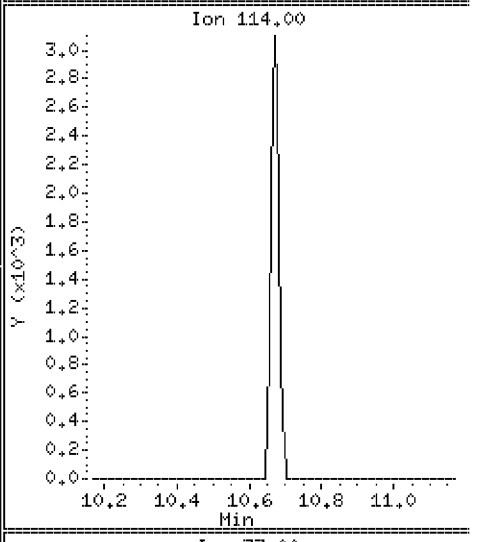


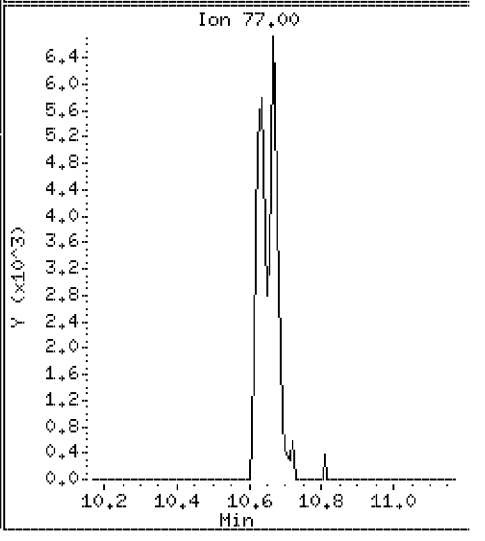












PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3082107.b\37204D.D
Lab Smp Id: 250737204 Client Smp ID: TO05MW40B
Inj Date : 21-AUG-2007 14:05
Operator : Inst ID: vms03.i
Smp Info : 250737204;2507372;200;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3082107.b\8260A.m
Meth Date : 24-Aug-2007 07:37 mjacobs Quant Type: ISTD
Cal Date : 08-AUG-2007 09:24 Cal File: 1PPB.D
Als bottle: 22
Dil Factor: 200.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	200.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				4264	0.45944	91.9(a)
29 cis-1,2-Dichloroethene	96	5.829	5.827	(0.795)	4264	0.45944	91.9(aQ)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.327	6.326	(0.863)	359835	51.5010	51.5
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.951	6.951	(0.948)	87629	51.1813	51.2
* 42 FLUOROBENZENE (IS)	96	7.330	7.327	(1.000)	1462966	50.0000	
43 Trichloroethylene	130	7.779	7.776	(1.061)	109498	13.5431	2710
$ 53 TOLUENE d8 (surr)	98	9.077	9.076	(1.238)	1464382	50.4263	50.4
* 63 CHLOROBENZENE d5 (IS)	117	10.631	10.630	(1.000)	1046222	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.859	11.857	(0.909)	555409	49.6517	49.6
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.048	13.048	(1.000)	540540	50.0000	

QC Flag Legend

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

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 37204D.D
Lab Smp Id: 250737204
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3082107.b\8260A.m
Misc Info:

Calibration Date: 08-AUG-2007
Calibration Time: 06:09
Client Smp ID: TO05MW40B
Level: LOW
Sample Type: WATER

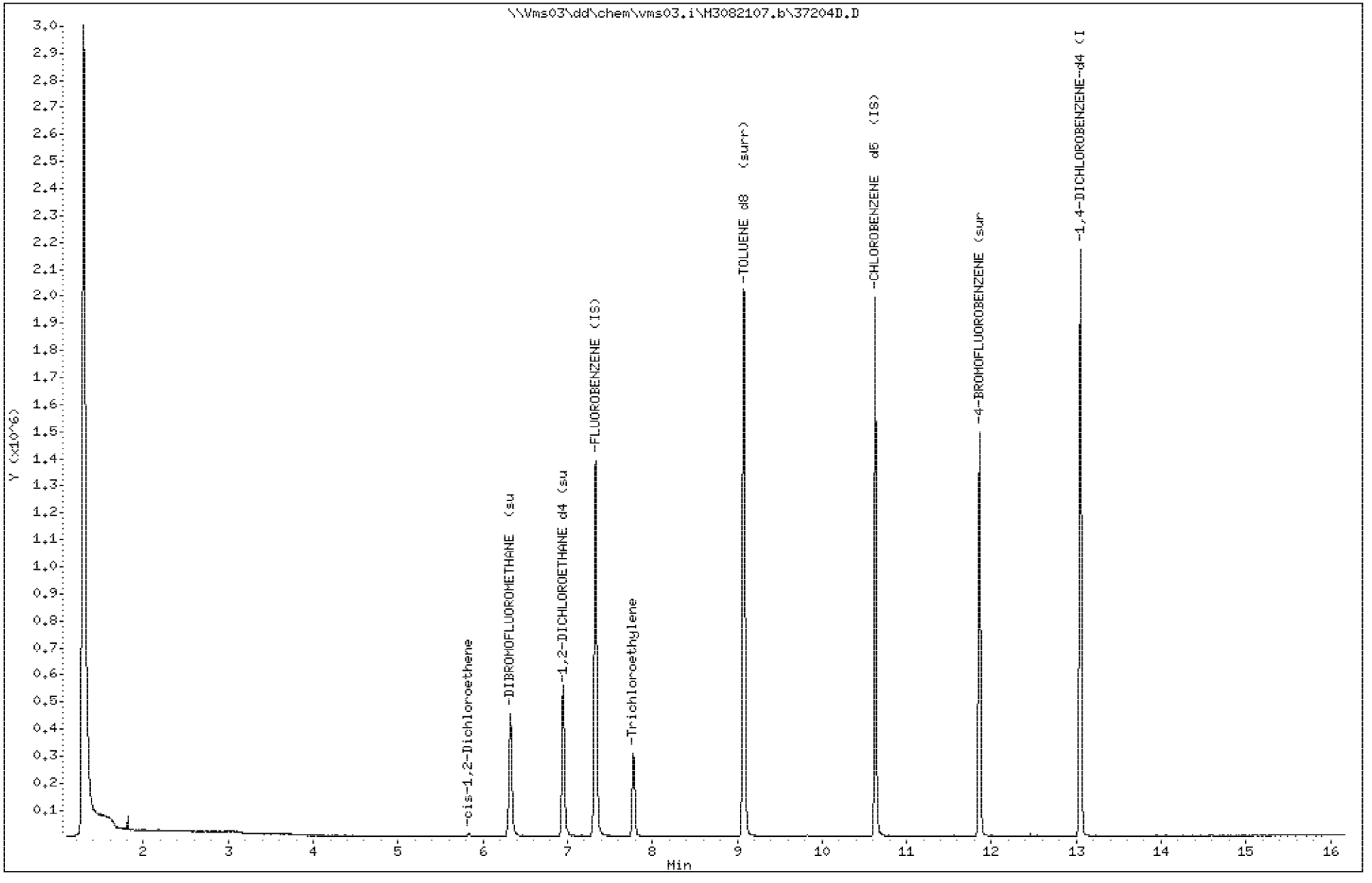
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1538145	769073	3076290	1462966	-4.89
63 CHLOROBENZENE d5	1065619	532810	2131238	1046222	-1.82
86 1,4-DICHLOROBENZE	594676	297338	1189352	540540	-9.10

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.33	6.83	7.83	7.33	0.03
63 CHLOROBENZENE d5	10.63	10.13	11.13	10.63	0.01
86 1,4-DICHLOROBENZE	13.05	12.55	13.55	13.05	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37204D.D
Date : 21-AUG-2007 14:05
Client ID: TO05MW40B
Sample Info: 250737204;2507372;200;
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



AO-396

2507372

Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37204D.D

Date : 21-AUG-2007 14:05

Client ID: TO05MW40B

Instrument: vms03.i

Sample Info: 250737204;2507372;200;

Purge Volume: 5.0

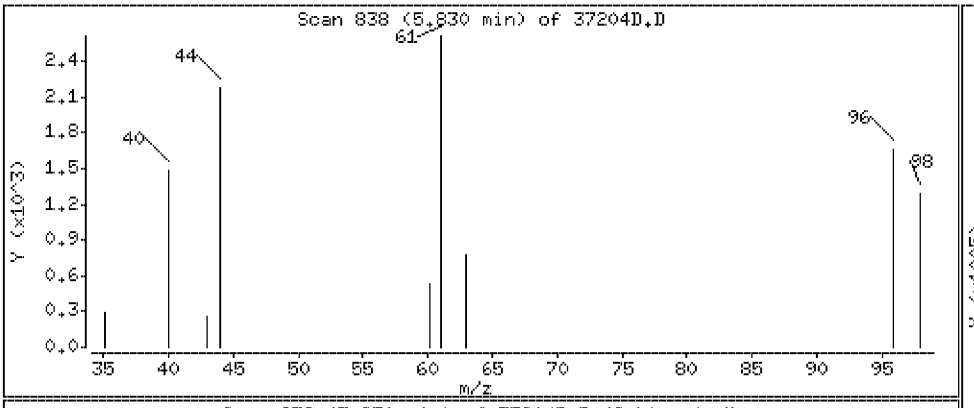
Operator:

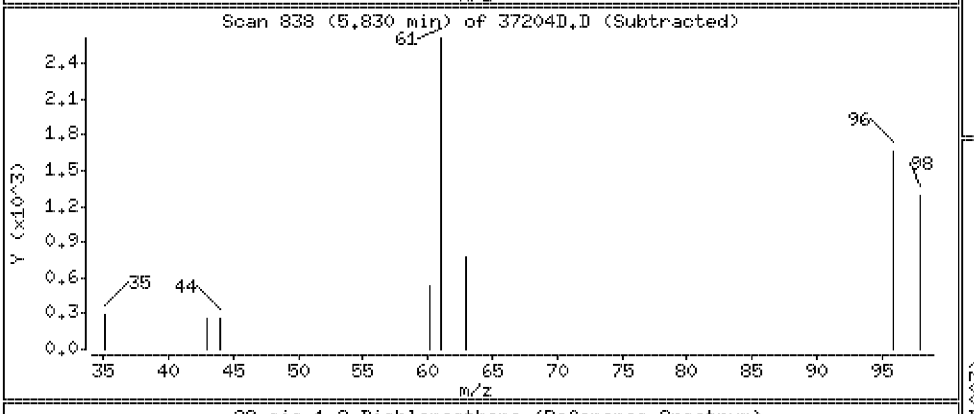
Column phase: DB-624

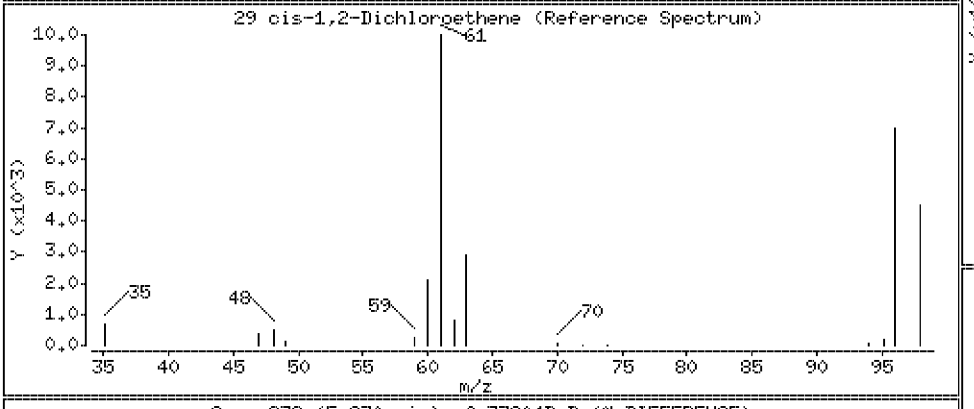
Column diameter: 0.18

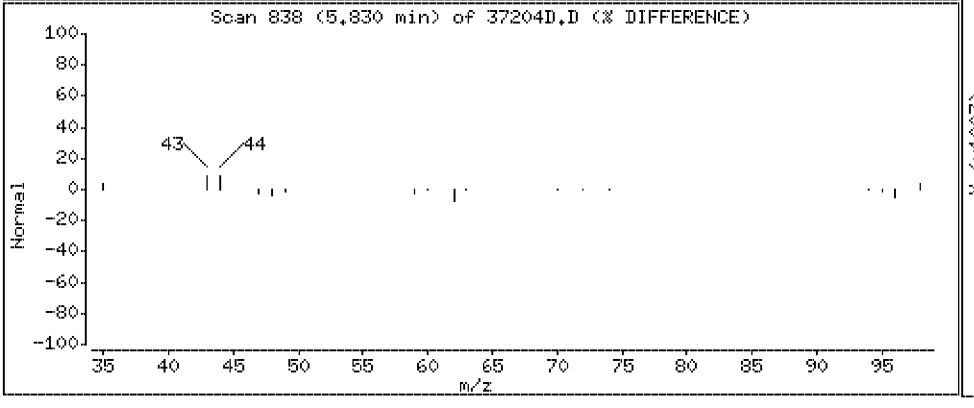
29 cis-1,2-Dichloroethene

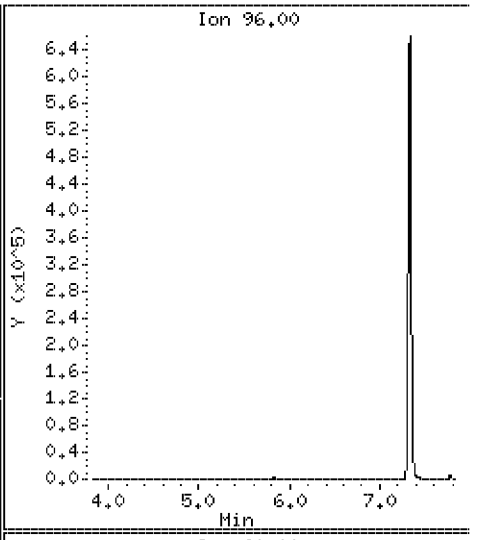
Concentration: 91.9 ug/l

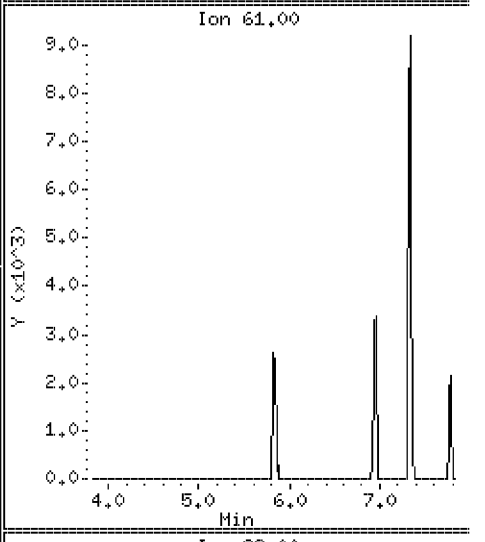


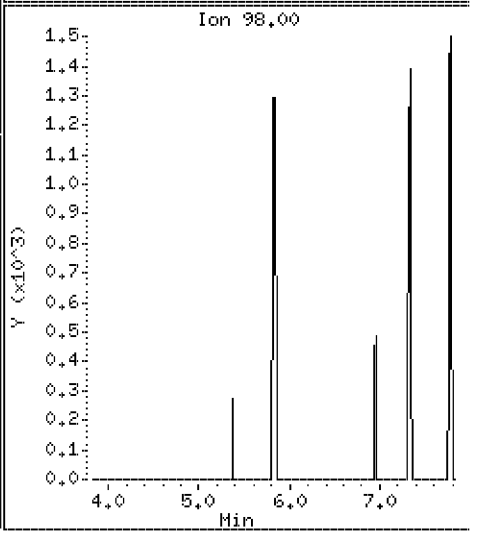












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37204D.D

Date : 21-AUG-2007 14:05

Client ID: TO05MW40B

Instrument: vms03.i

Sample Info: 250737204;2507372;200;

Purge Volume: 5.0

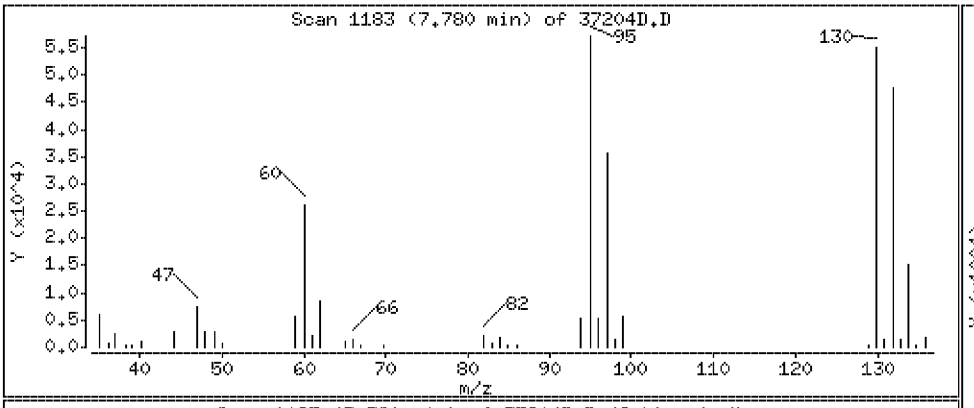
Operator:

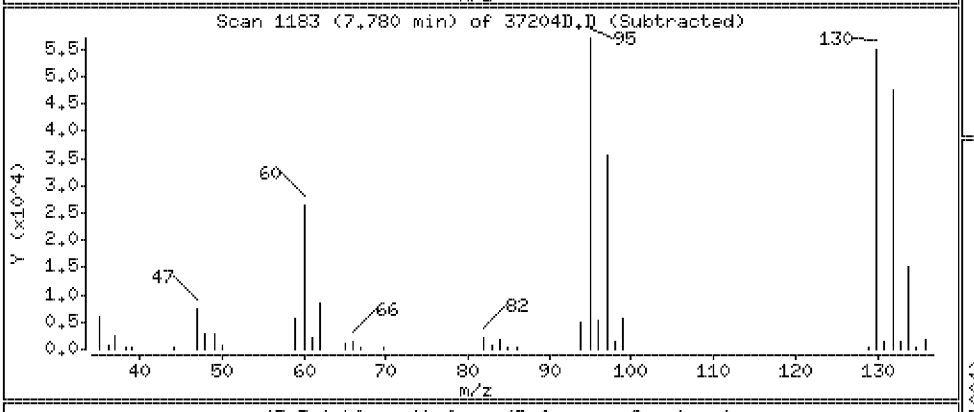
Column phase: DB-624

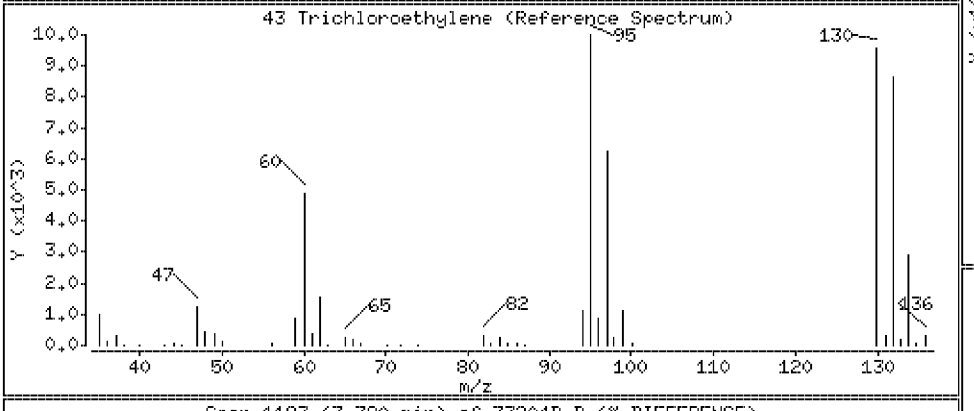
Column diameter: 0.18

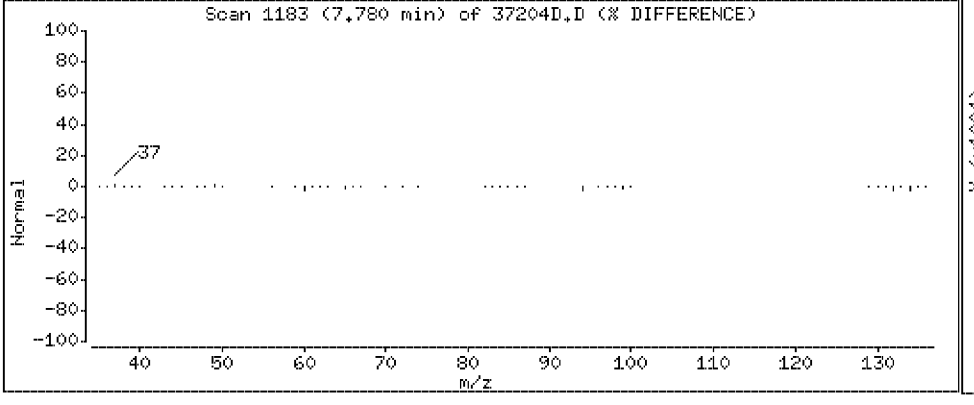
43 Trichloroethylene

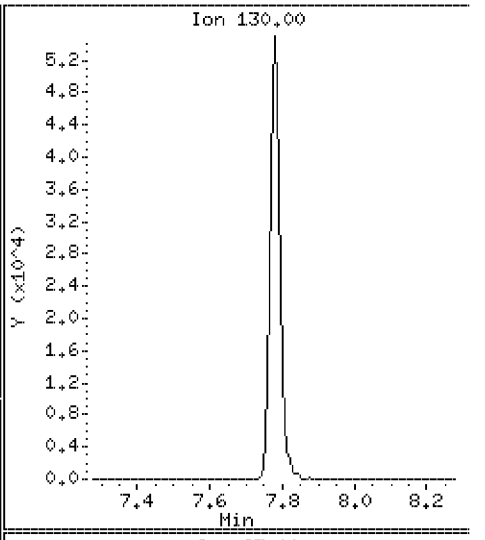
Concentration: 2710 ug/l

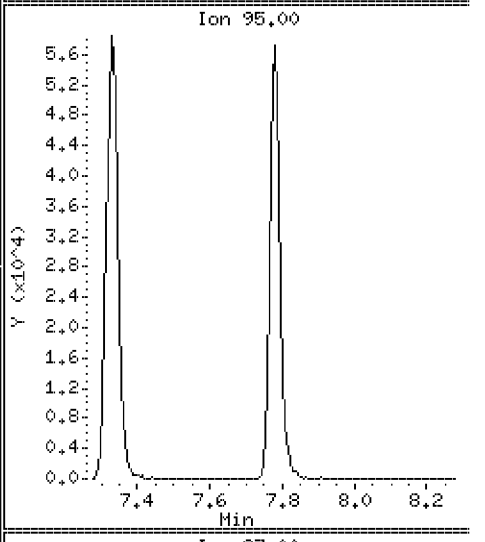


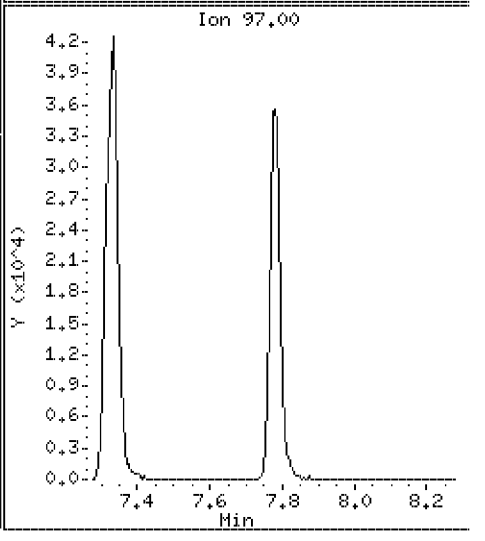












PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3082107.b\37205.D
Lab Smp Id: 250737205 Client Smp ID: TO05FD02
Inj Date : 21-AUG-2007 15:40
Operator : Inst ID: vms03.i
Smp Info : 250737205;2507372;5;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3082107.b\8260A.m
Meth Date : 24-Aug-2007 07:37 mjacobs Quant Type: ISTD
Cal Date : 08-AUG-2007 09:24 Cal File: 1PPB.D
Als bottle: 26
Dil Factor: 5.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	5.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				156708	17.0642	85.3
6 Vinyl Chloride	62	1.738	1.738	(0.237)	51211	7.23923	36.2
29 cis-1,2-Dichloroethene	96	5.832	5.827	(0.796)	156708	17.0642	85.3(Q)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.327	6.326	(0.863)	359316	51.9727	52.0
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.951	6.951	(0.948)	86758	51.2106	51.2
41 Benzene	78	7.065	7.061	(0.964)	11093	0.29802	1.5(a)
* 42 FLUOROBENZENE (IS)	96	7.330	7.327	(1.000)	1447597	50.0000	
43 Trichloroethylene	130	7.780	7.776	(1.061)	3931642	491.443	2460(A)
$ 53 TOLUENE d8 (surr)	98	9.077	9.076	(1.238)	1448670	50.4149	50.4
59 Tetrachloroethylene	164	9.832	9.829	(0.925)	23936	4.17239	20.9
* 63 CHLOROBENZENE d5 (IS)	117	10.632	10.630	(1.000)	1021970	50.0000	
64 Chlorobenzene	112	10.671	10.668	(1.004)	23021	0.98891	4.9(a)
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.859	11.857	(0.909)	537750	48.6006	48.6
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.049	13.048	(1.000)	534672	50.0000	

QC Flag Legend

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

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 37205.D
Lab Smp Id: 250737205
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3082107.b\8260A.m
Misc Info:

Calibration Date: 08-AUG-2007
Calibration Time: 06:09
Client Smp ID: TO05FD02
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1538145	769073	3076290	1447597	-5.89
63 CHLOROBENZENE d5	1065619	532810	2131238	1021970	-4.10
86 1,4-DICHLOROBENZE	594676	297338	1189352	534672	-10.09

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.33	6.83	7.83	7.33	0.04
63 CHLOROBENZENE d5	10.63	10.13	11.13	10.63	0.01
86 1,4-DICHLOROBENZE	13.05	12.55	13.55	13.05	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37205.D

Date : 21-AUG-2007 15:40

Client ID: T005FD02

Instrument: vms03.i

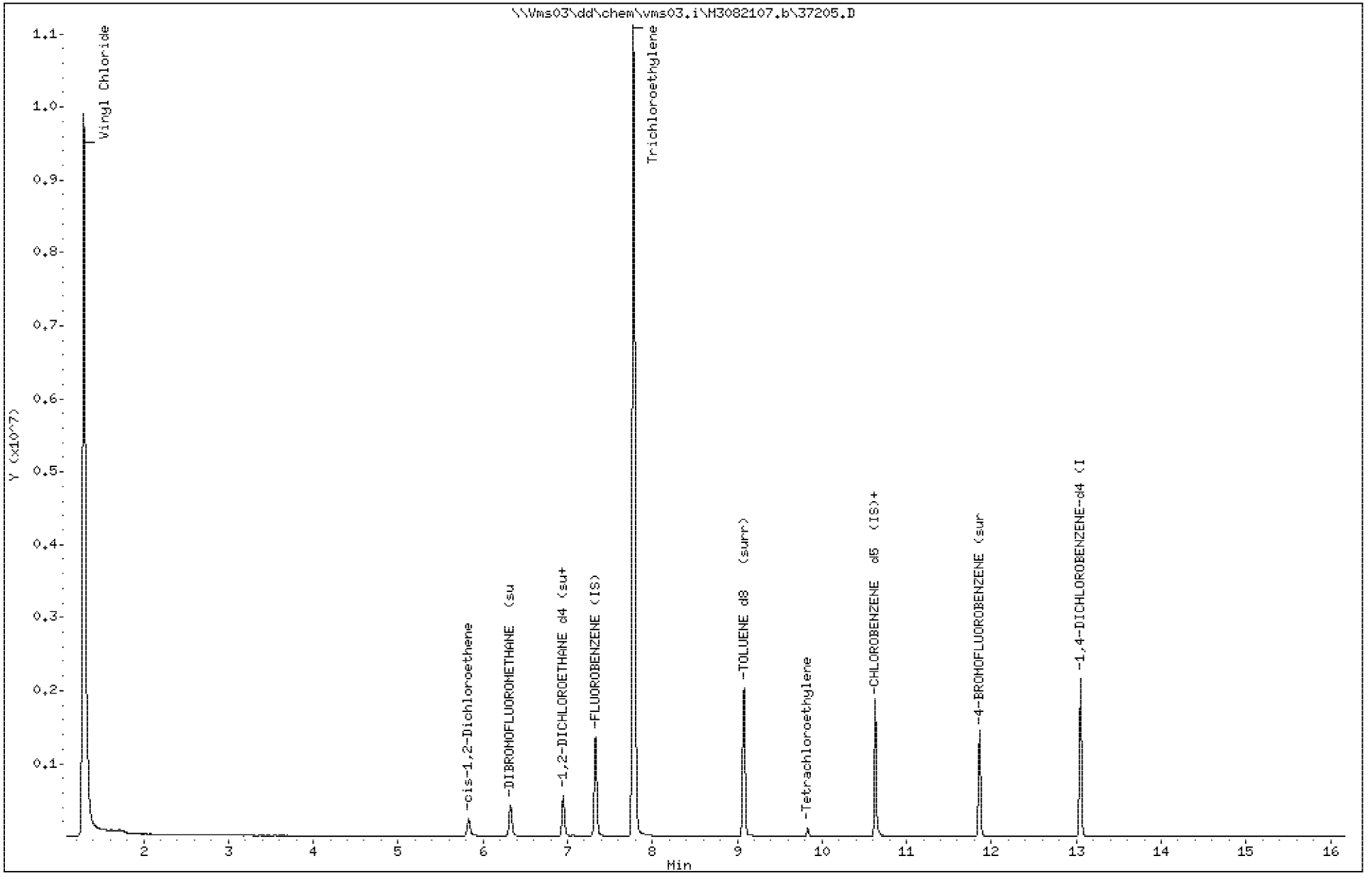
Sample Info: 250737205;2507372;5;

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37205.D

Date : 21-AUG-2007 15:40

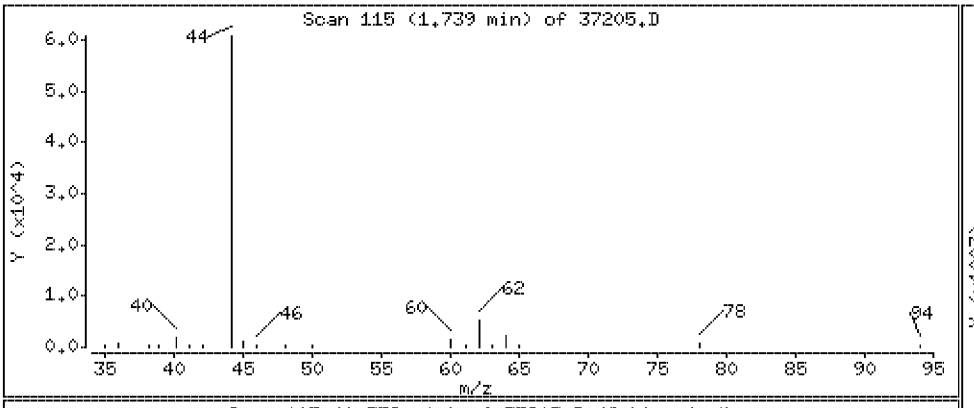
Client ID: TO05FD02 Instrument: vms03.i

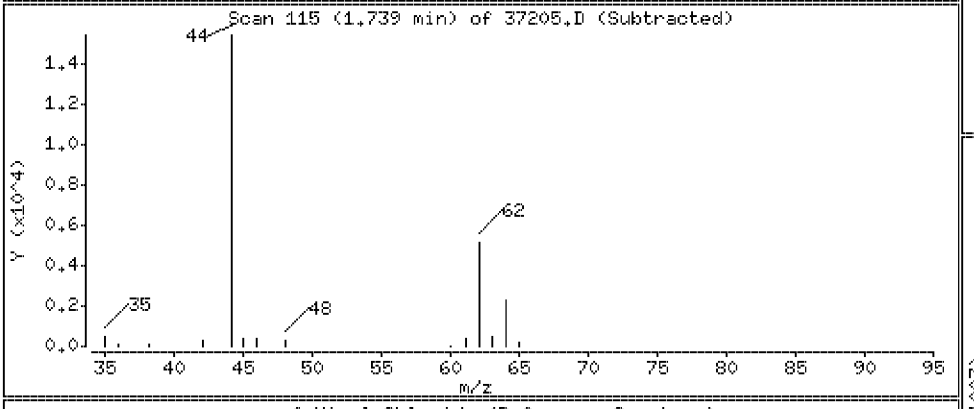
Sample Info: 250737205;2507372;5;

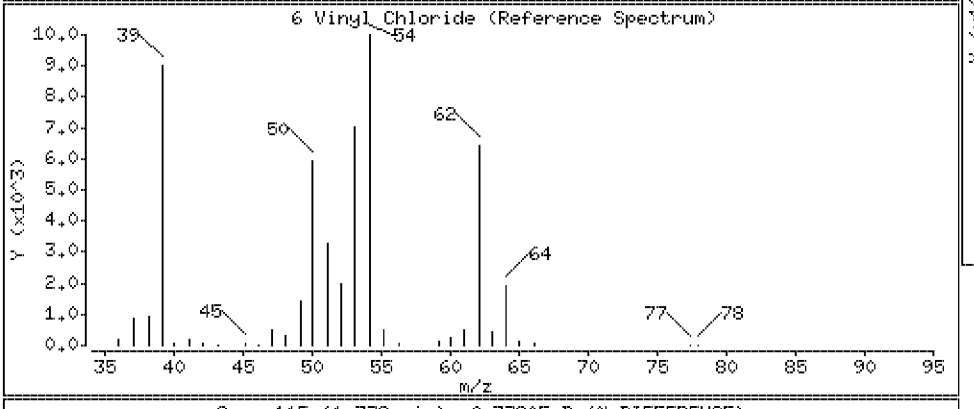
Purge Volume: 5.0 Operator:

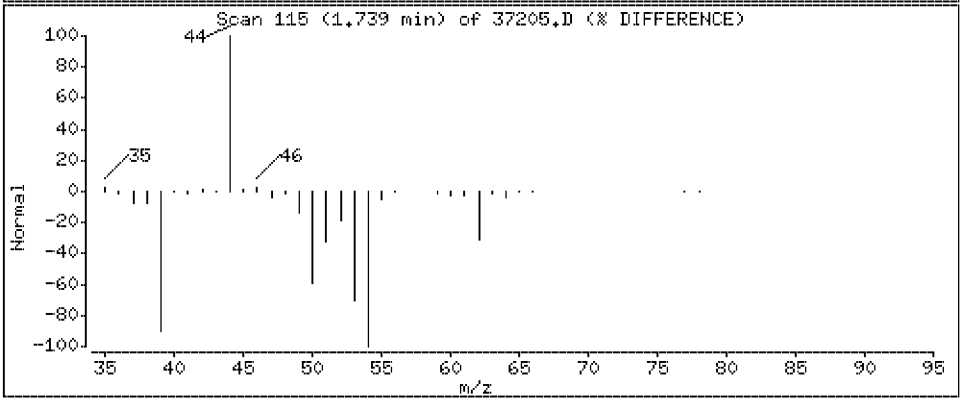
Column phase: DB-624 Column diameter: 0.18

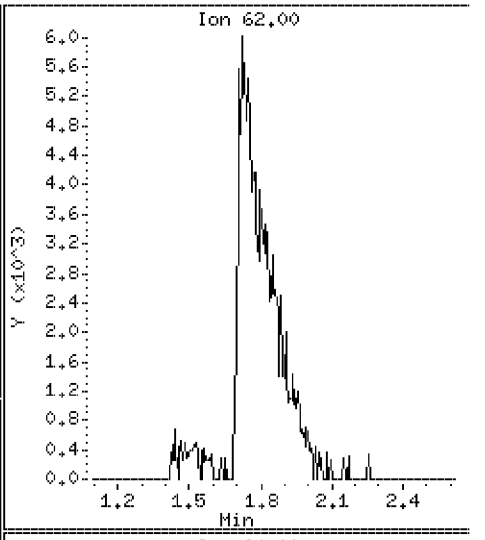
6 Vinyl Chloride Concentration: 36.2 ug/l

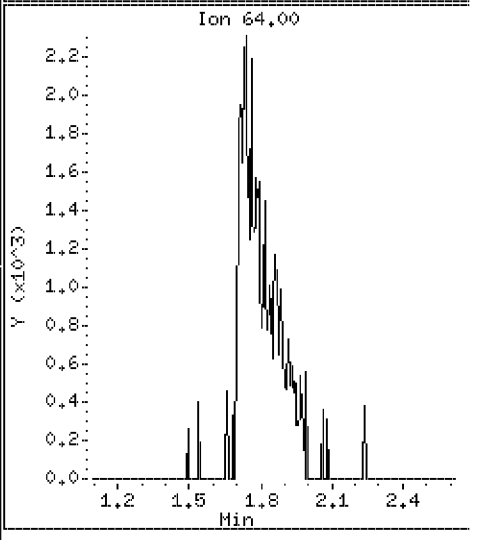












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37205.D

Date : 21-AUG-2007 15:40

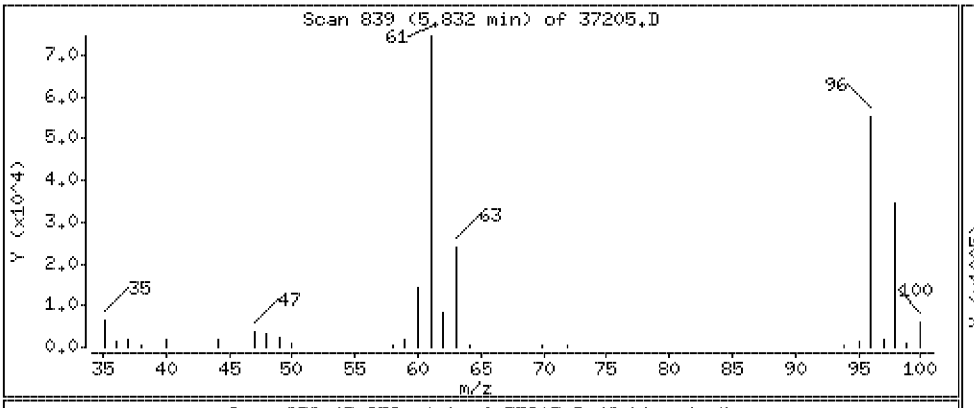
Client ID: TO05FD02 Instrument: vms03.i

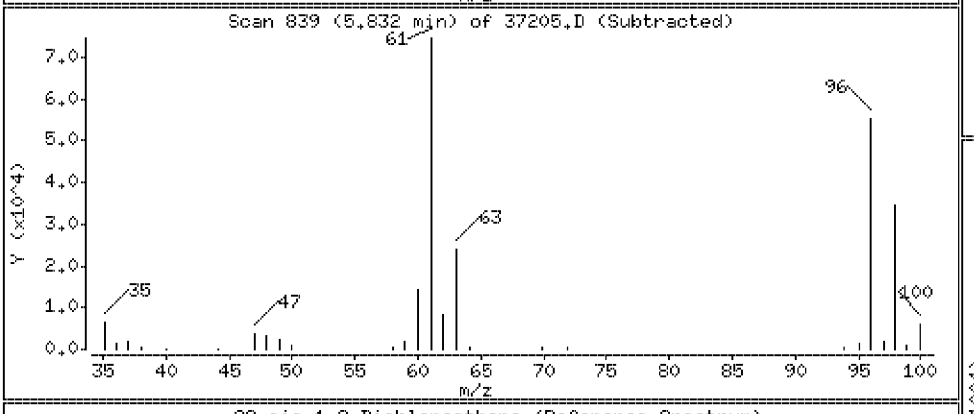
Sample Info: 250737205;2507372;5;

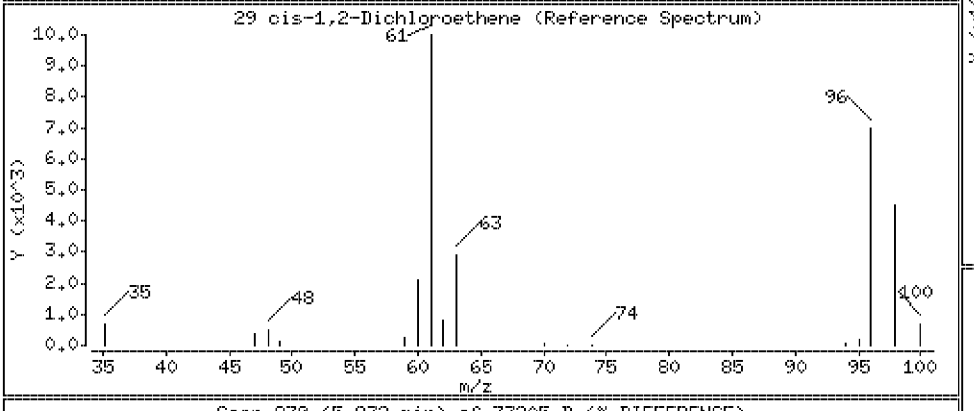
Purge Volume: 5.0 Operator:

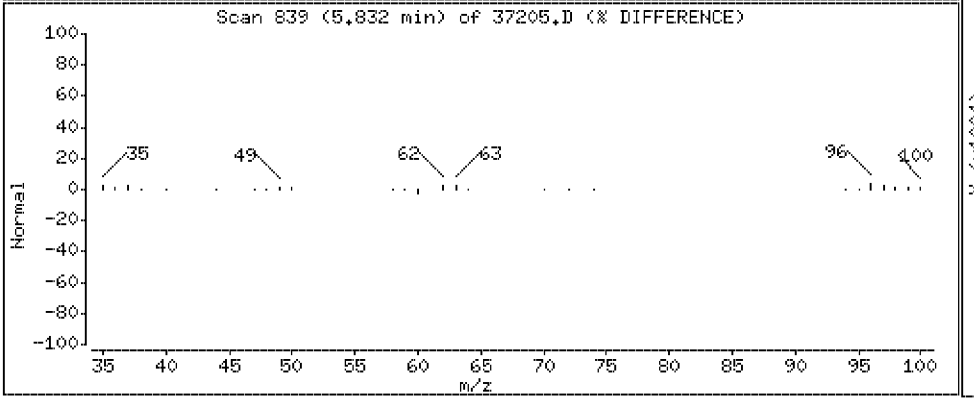
Column phase: DB-624 Column diameter: 0.18

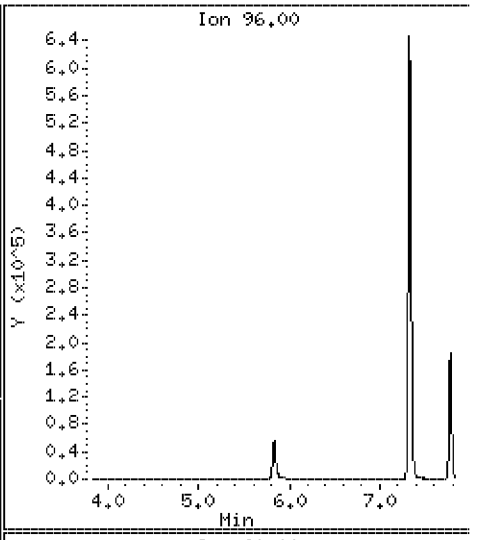
29 cis-1,2-Dichloroethene Concentration: 85.3 ug/l

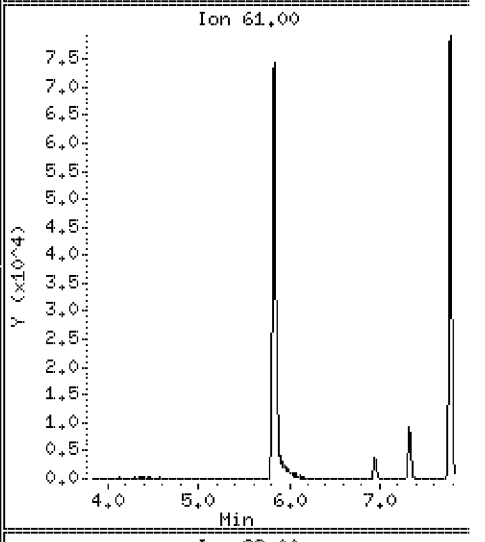


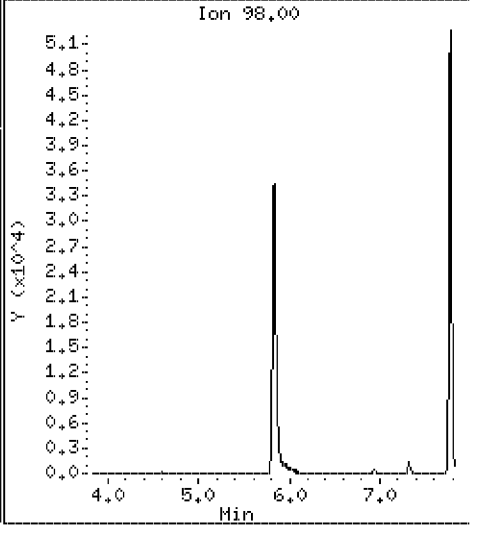












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37205.D

Date : 21-AUG-2007 15:40

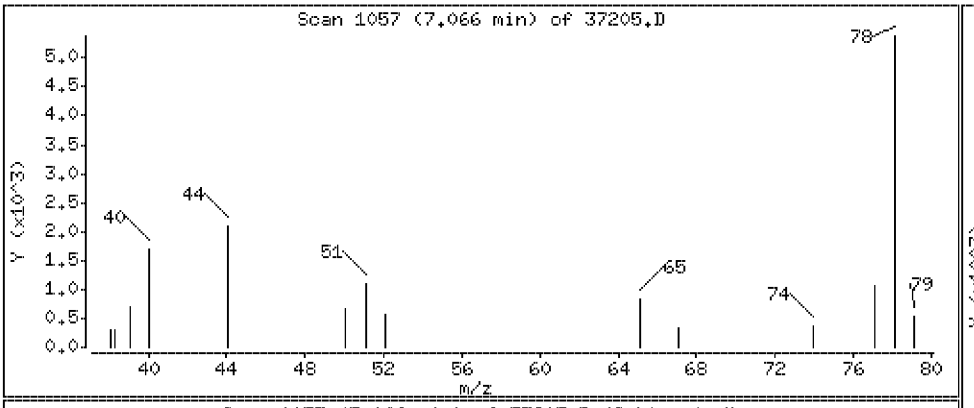
Client ID: TO05FD02 Instrument: vms03.i

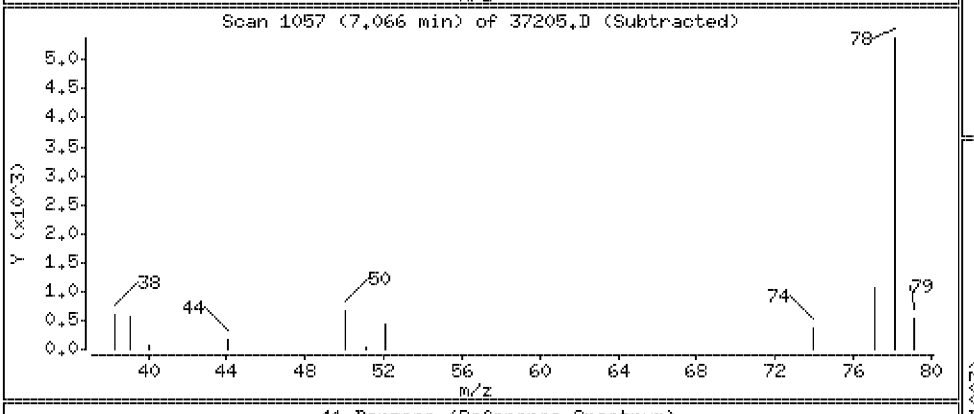
Sample Info: 250737205;2507372;5;

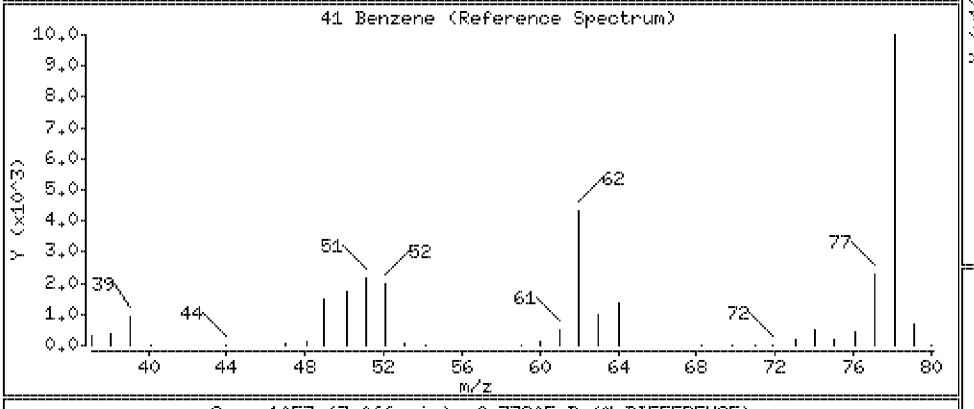
Purge Volume: 5.0 Operator:

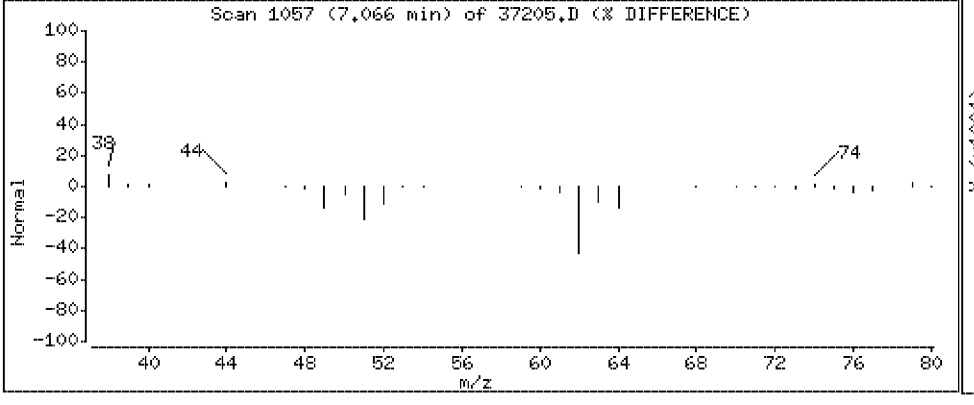
Column phase: DB-624 Column diameter: 0.18

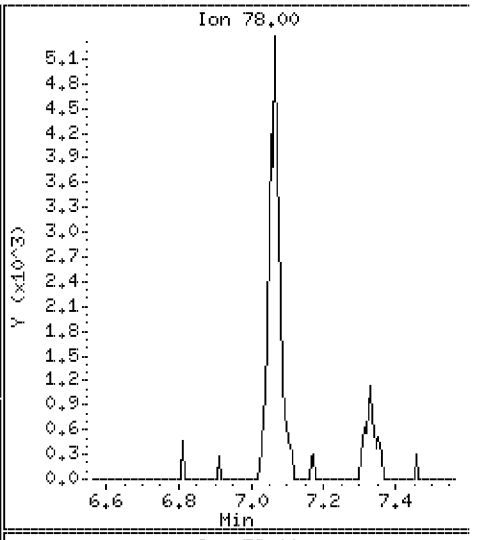
41 Benzene Concentration: 1.5 ug/l

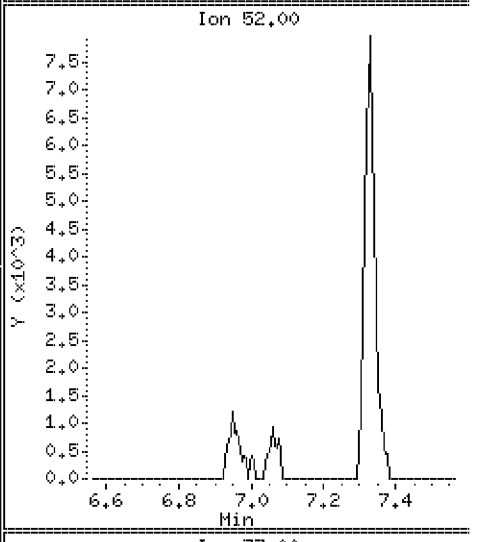


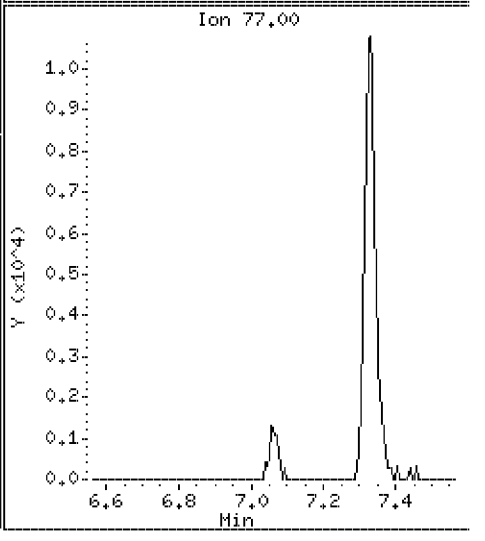












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37205.D

Date : 21-AUG-2007 15:40

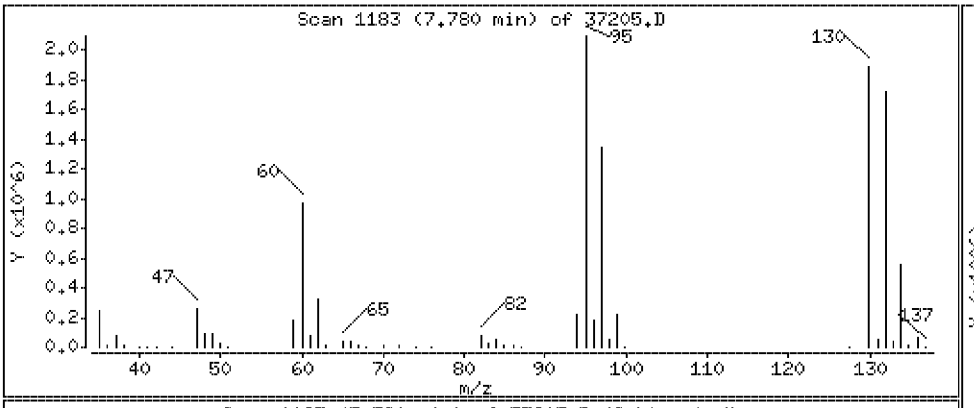
Client ID: TO05FD02 Instrument: vms03.i

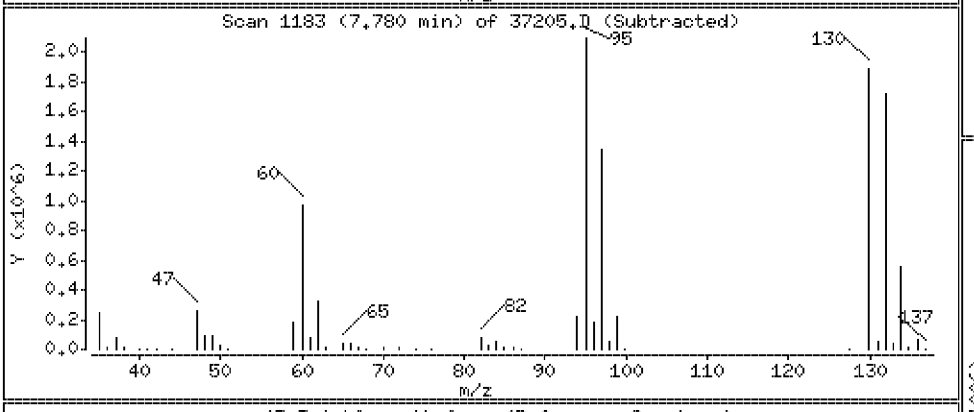
Sample Info: 250737205;2507372;5;

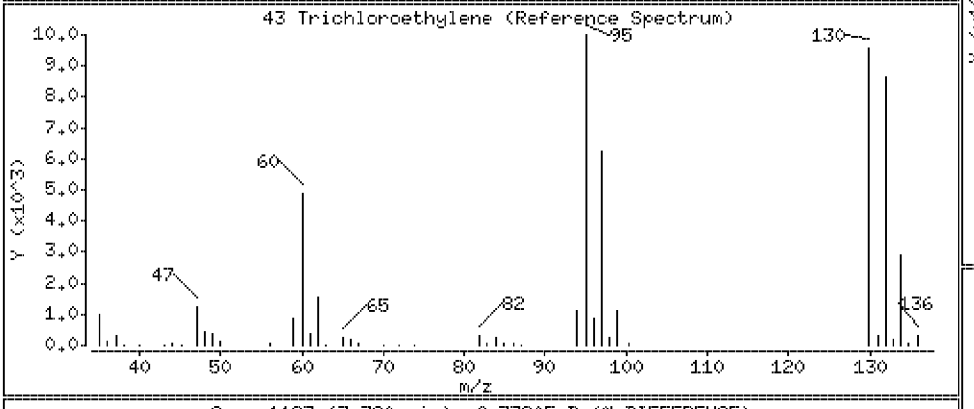
Purge Volume: 5.0 Operator:

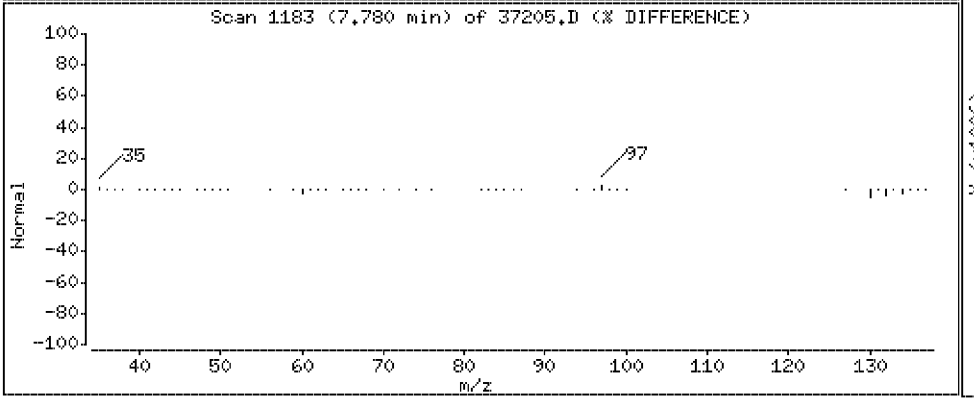
Column phase: DB-624 Column diameter: 0.18

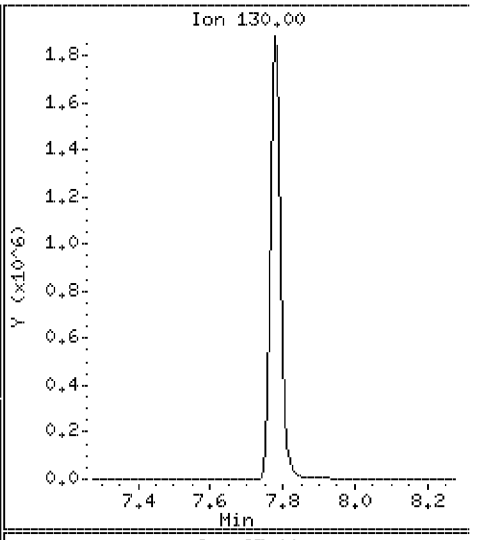
43 Trichloroethylene Concentration: 2460 ug/l

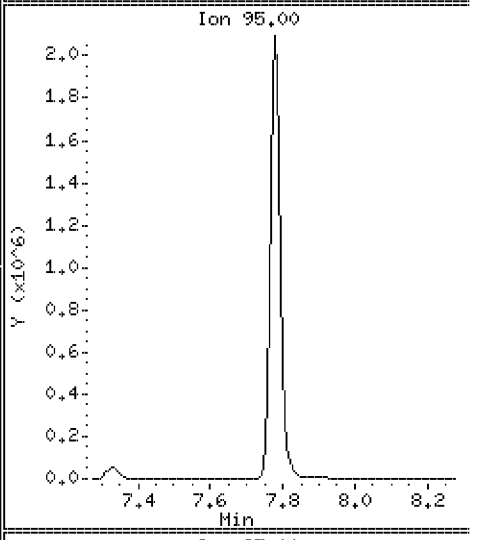


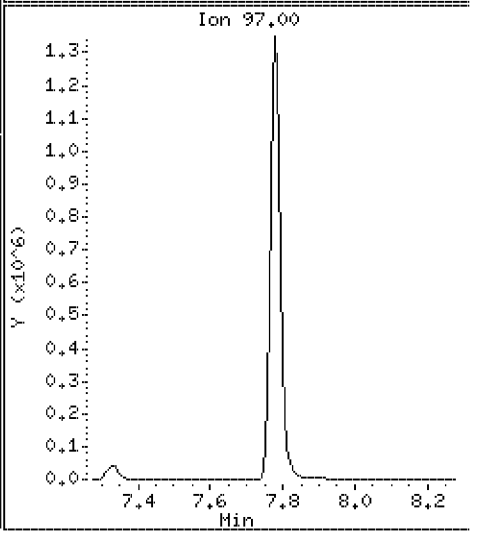












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37205.D

Date : 21-AUG-2007 15:40

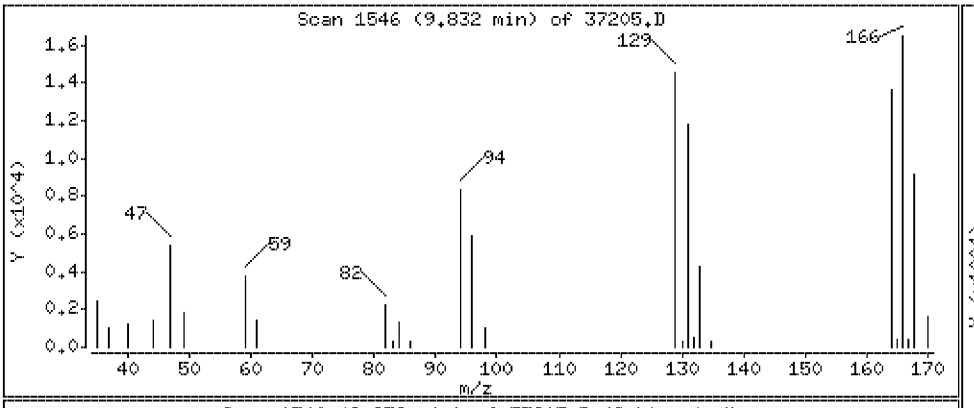
Client ID: TO05FD02 Instrument: vms03.i

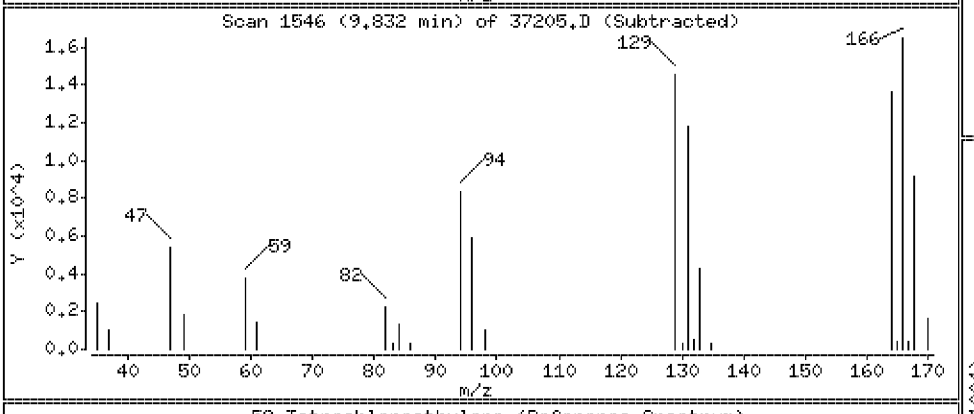
Sample Info: 250737205;2507372;5;

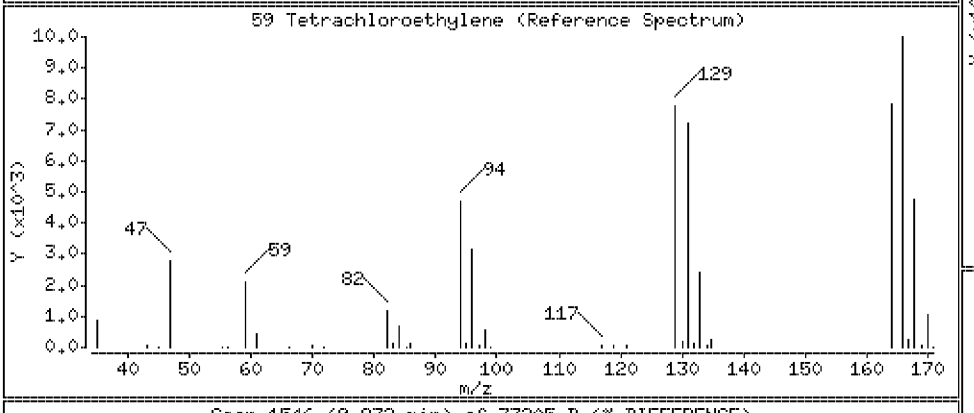
Purge Volume: 5.0 Operator:

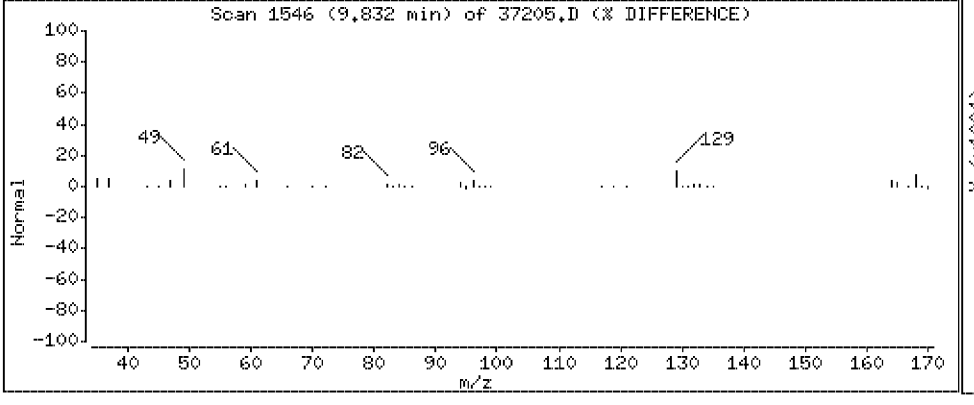
Column phase: DB-624 Column diameter: 0.18

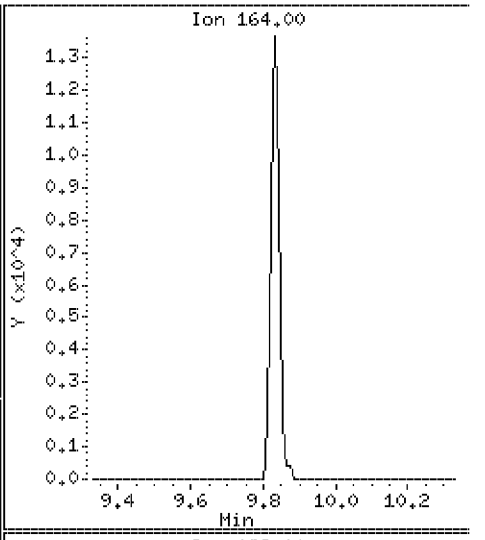
59 Tetrachloroethylene Concentration: 20.9 ug/l

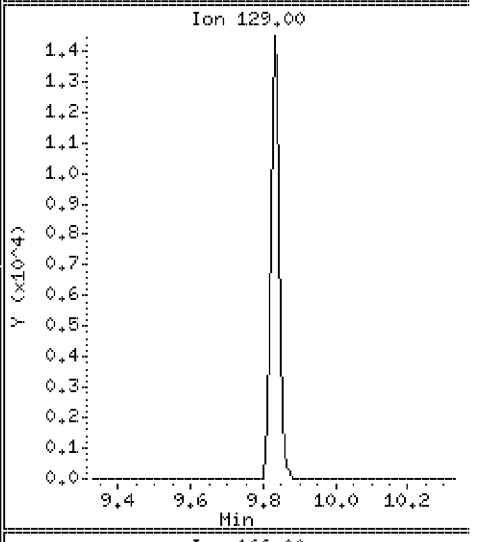


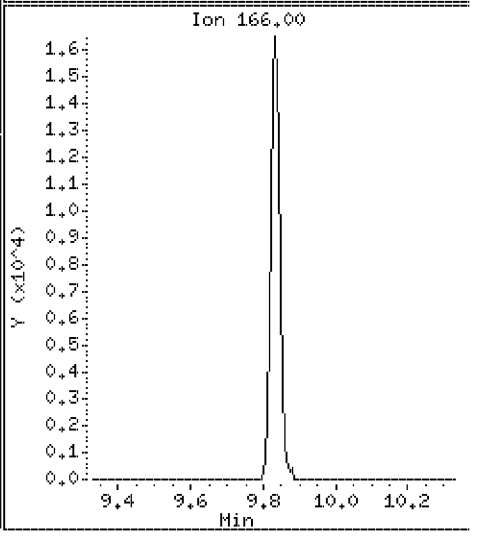












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37205.D

Date : 21-AUG-2007 15:40

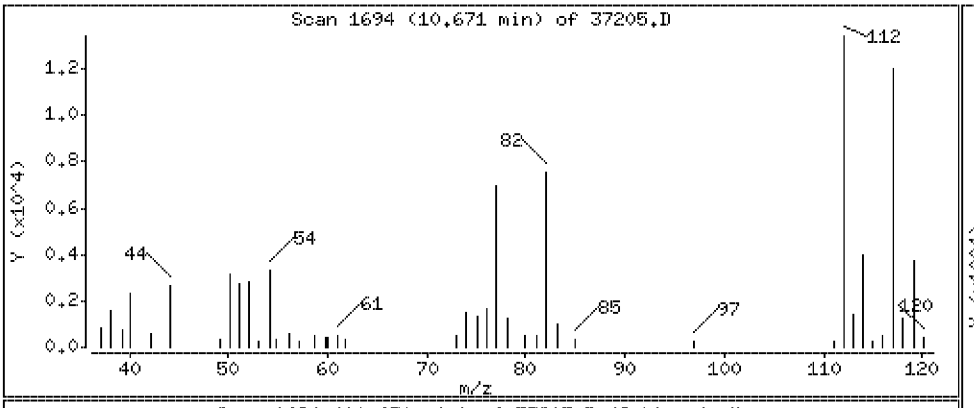
Client ID: TO05FD02 Instrument: vms03.i

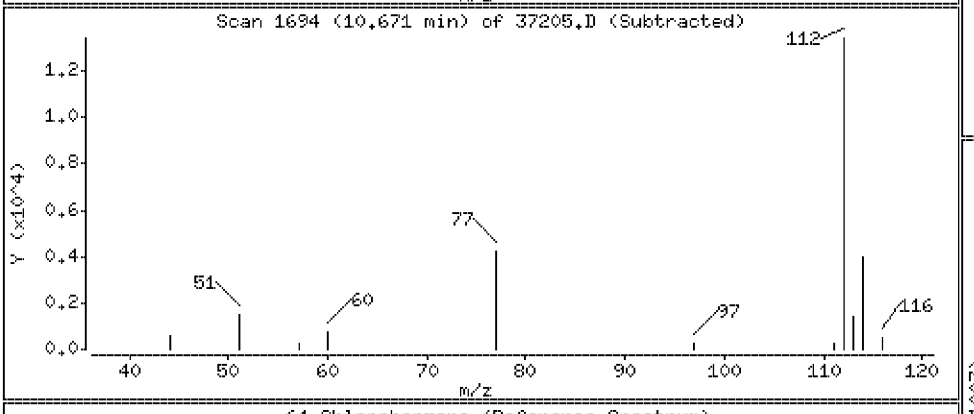
Sample Info: 250737205;2507372;5;

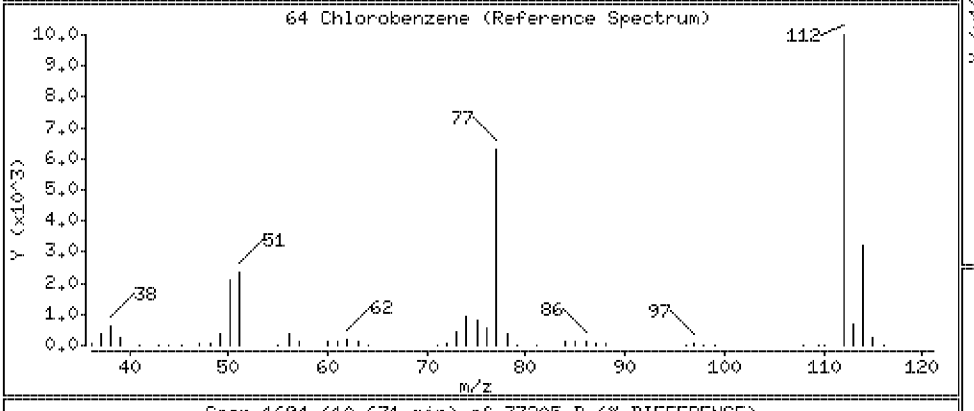
Purge Volume: 5.0 Operator:

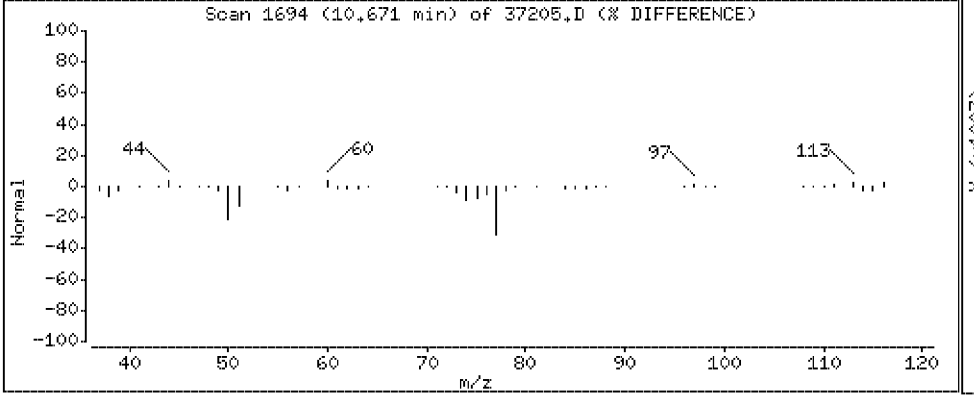
Column phase: DB-624 Column diameter: 0.18

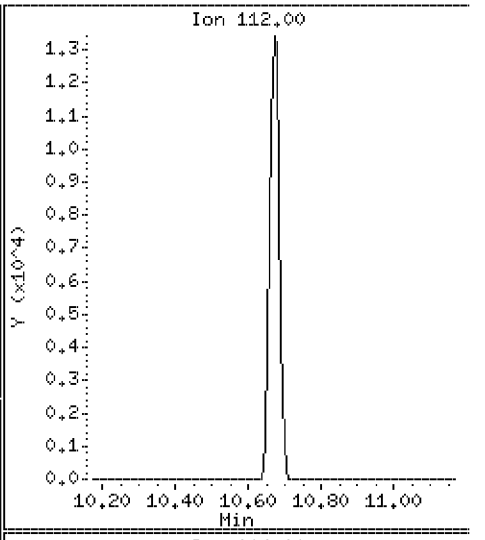
64 Chlorobenzene Concentration: 4.9 ug/l

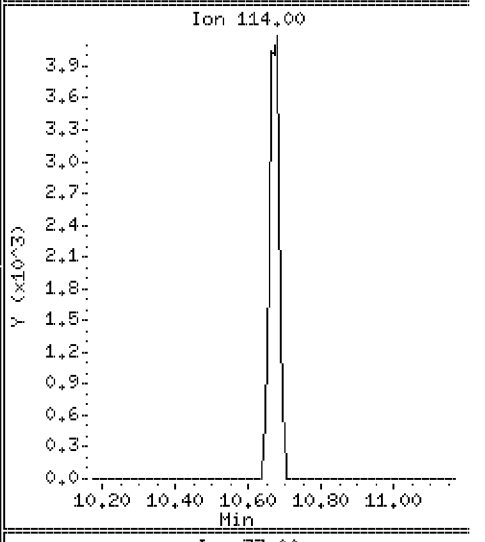


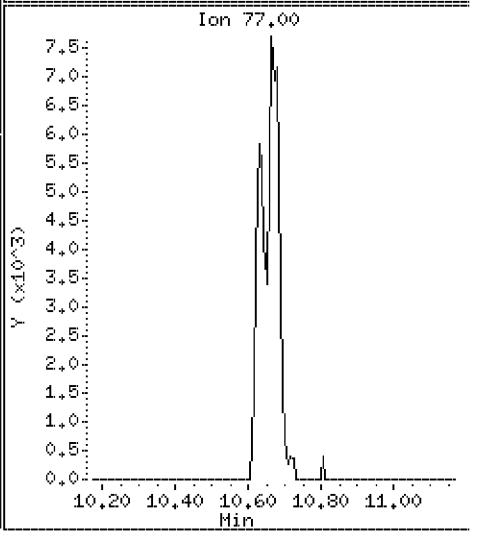












PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3082107.b\37205D.D
Lab Smp Id: 250737205 Client Smp ID: TO05FD02
Inj Date : 21-AUG-2007 14:29
Operator : Inst ID: vms03.i
Smp Info : 250737205;2507372;200;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3082107.b\8260A.m
Meth Date : 24-Aug-2007 07:37 mjacobs Quant Type: ISTD
Cal Date : 08-AUG-2007 09:24 Cal File: 1PPB.D
Als bottle: 23
Dil Factor: 200.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	200.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				4113	0.44349	88.7(a)
29 cis-1,2-Dichloroethene	96	5.832	5.827	(0.796)	4113	0.44349	88.7(aQ)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.326	6.326	(0.863)	348493	49.9144	49.9
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.950	6.951	(0.948)	86542	50.5837	50.6
* 42 FLUOROBENZENE (IS)	96	7.329	7.327	(1.000)	1461889	50.0000	
43 Trichloroethylene	130	7.779	7.776	(1.061)	98730	12.2203	2440
$ 53 TOLUENE d8 (surr)	98	9.077	9.076	(1.238)	1422303	49.0134	49.0
* 63 CHLOROBENZENE d5 (IS)	117	10.631	10.630	(1.000)	1045068	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.859	11.857	(0.909)	542075	47.5707	47.6
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.049	13.048	(1.000)	550641	50.0000	

QC Flag Legend

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

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 37205D.D
Lab Smp Id: 250737205
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3082107.b\8260A.m
Misc Info:

Calibration Date: 08-AUG-2007
Calibration Time: 06:09
Client Smp ID: TO05FD02
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1538145	769073	3076290	1461889	-4.96
63 CHLOROBENZENE d5	1065619	532810	2131238	1045068	-1.93
86 1,4-DICHLOROBENZE	594676	297338	1189352	550641	-7.40

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.33	6.83	7.83	7.33	0.03
63 CHLOROBENZENE d5	10.63	10.13	11.13	10.63	0.01
86 1,4-DICHLOROBENZE	13.05	12.55	13.55	13.05	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37205D.D

Date : 21-AUG-2007 14:29

Client ID: TO05FD02

Instrument: vms03.i

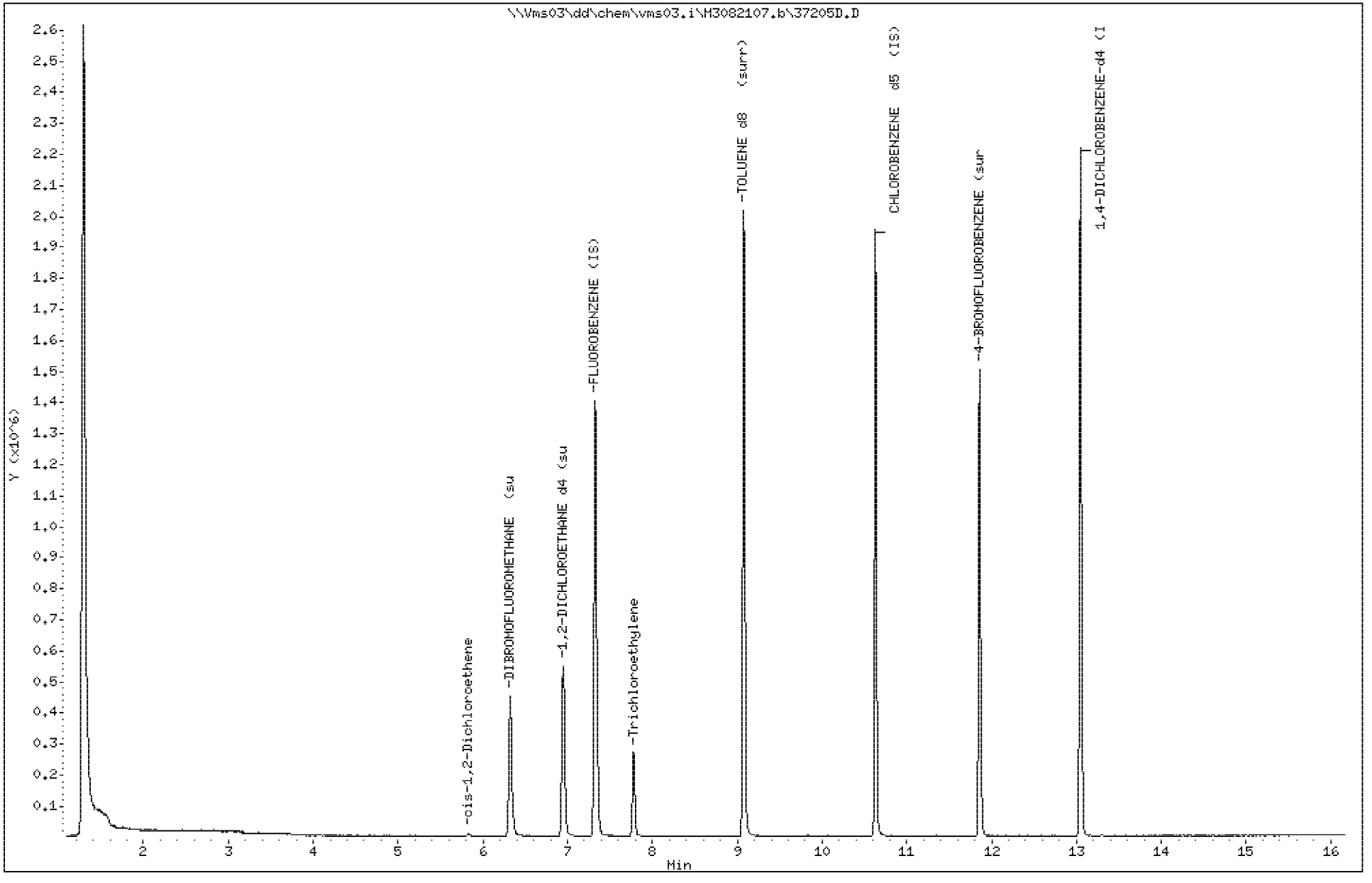
Sample Info: 250737205;2507372;200;

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37205D.D

Date : 21-AUG-2007 14:29

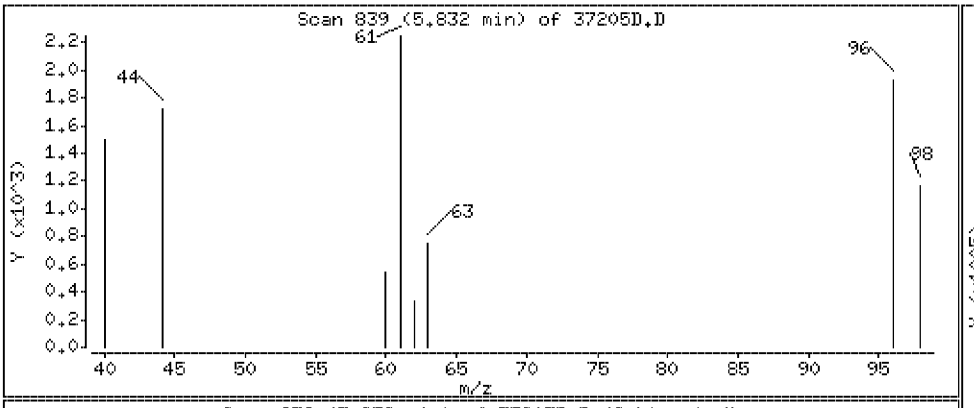
Client ID: TO05FD02 Instrument: vms03.i

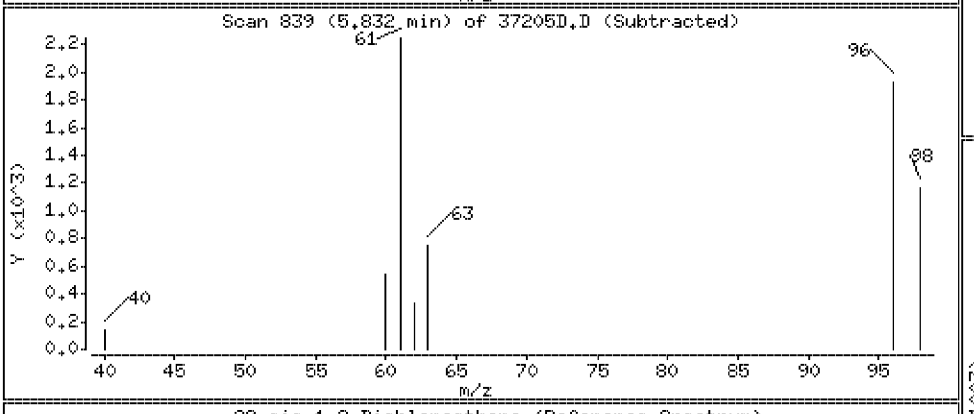
Sample Info: 250737205;2507372;200;

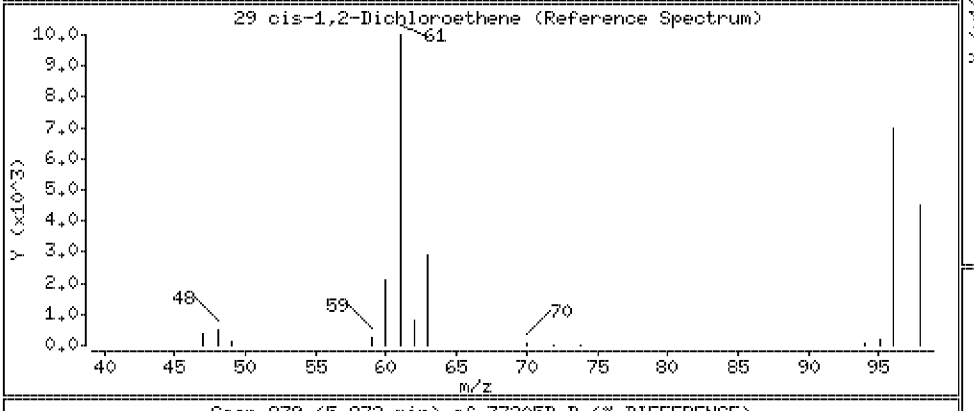
Purge Volume: 5.0 Operator:

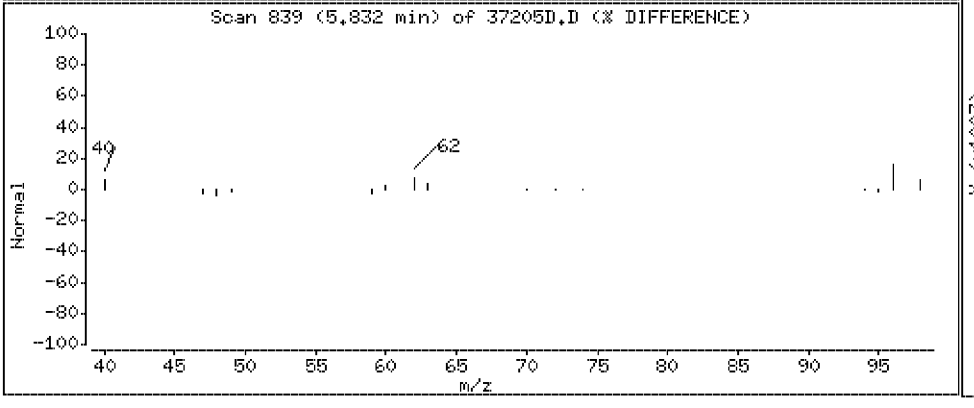
Column phase: DB-624 Column diameter: 0.18

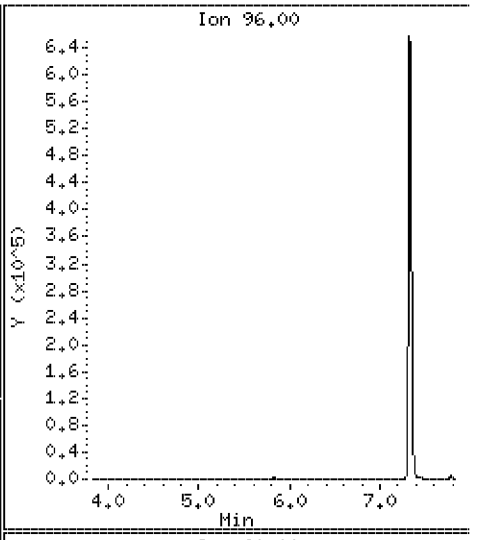
29 cis-1,2-Dichloroethene Concentration: 88.7 ug/l

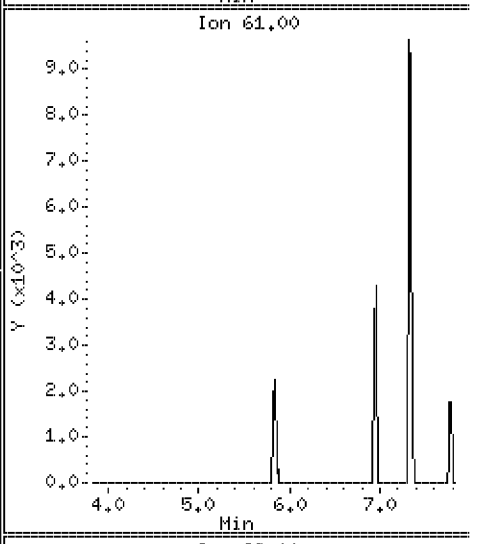


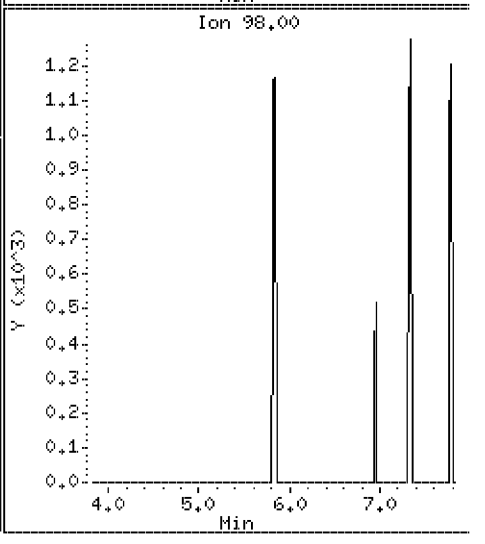












Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37205D.D

Date : 21-AUG-2007 14:29

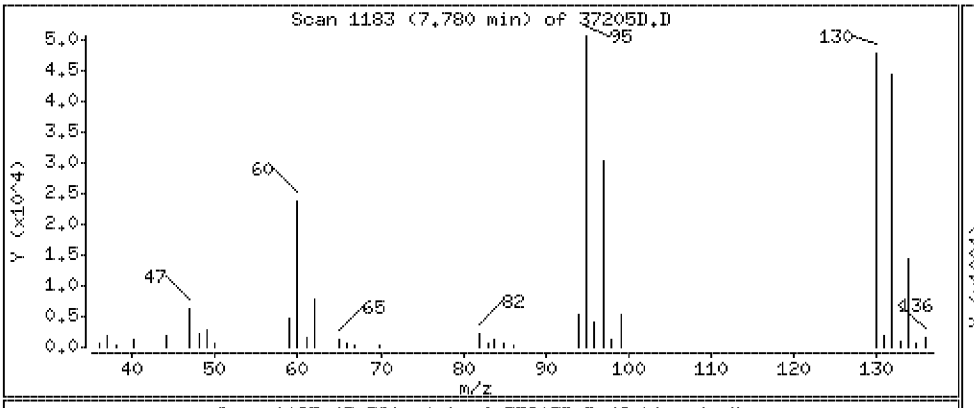
Client ID: TO05FD02 Instrument: vms03.i

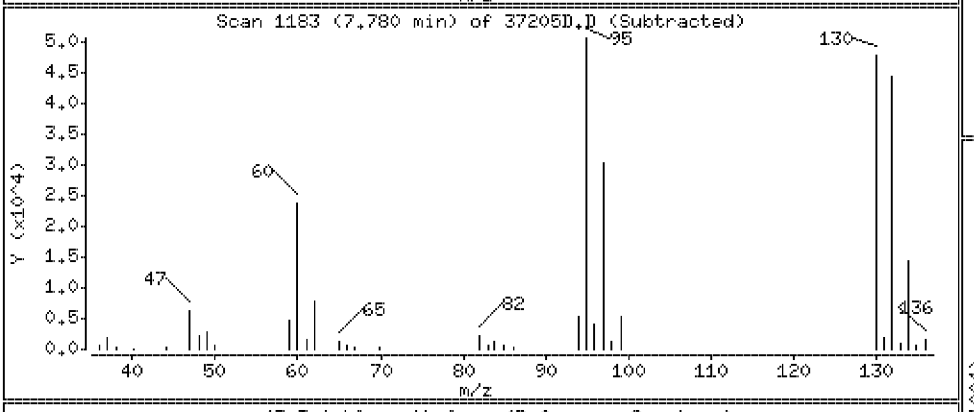
Sample Info: 250737205;2507372;200;

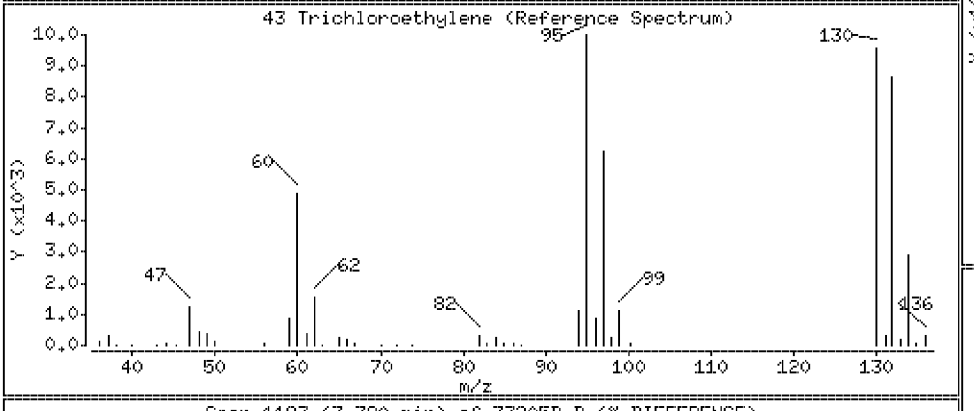
Purge Volume: 5.0 Operator:

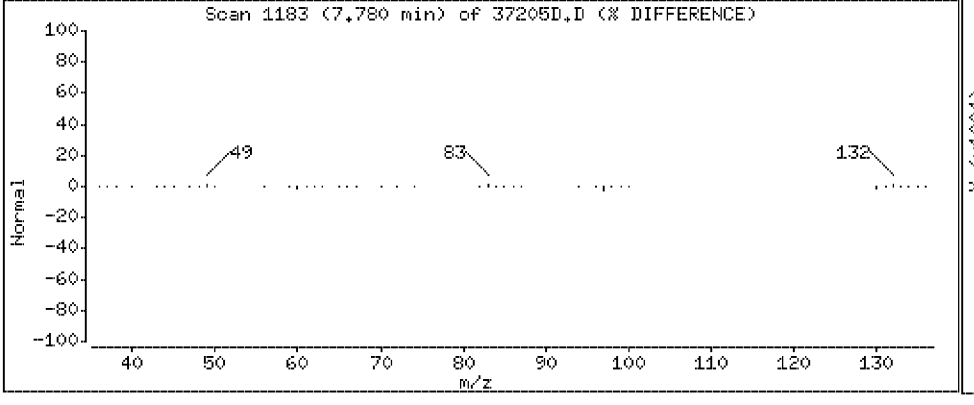
Column phase: DB-624 Column diameter: 0.18

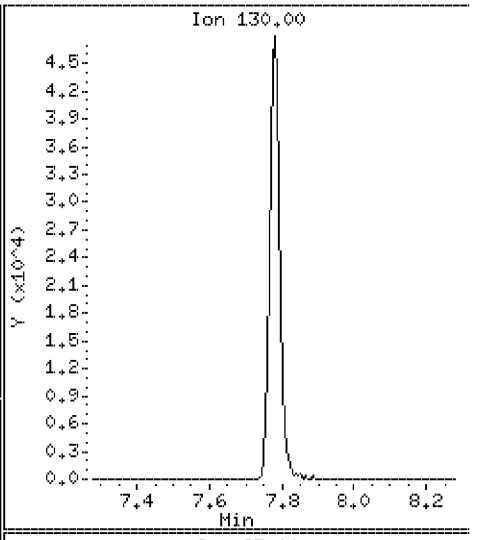
43 Trichloroethylene Concentration: 2440 ug/l

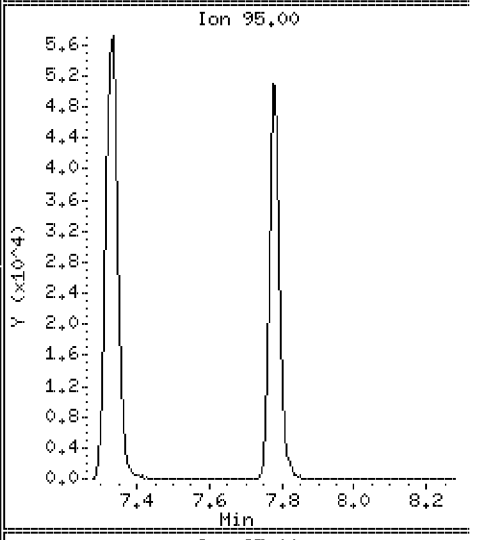


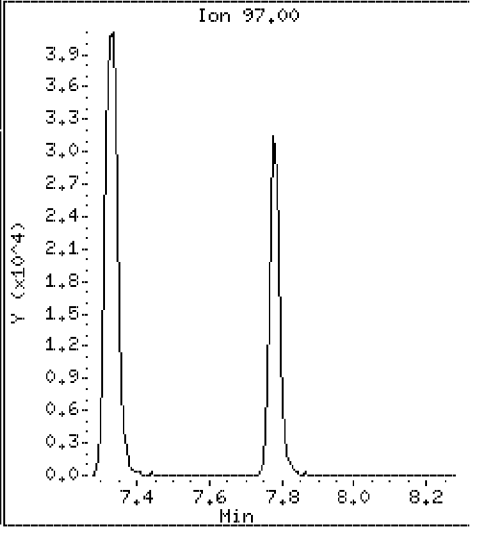












PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3082107.b\37208.D
Lab Smp Id: 250737208 Client Smp ID: TO05EB1
Inj Date : 21-AUG-2007 10:07
Operator : Inst ID: vms03.i
Smp Info : 250737208;2507372;1;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3082107.b\8260A.m
Meth Date : 24-Aug-2007 07:37 mjacobs Quant Type: ISTD
Cal Date : 08-AUG-2007 09:24 Cal File: 1PPB.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.326	6.326	(0.863)	354230	49.9838	50.0
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.949	6.951	(0.948)	87591	50.4377	50.4(q)
* 42 FLUOROBENZENE (IS)	96	7.329	7.327	(1.000)	1483891	50.0000	
$ 53 TOLUENE d8 (surr)	98	9.076	9.076	(1.238)	1457098	49.4679	49.5
* 63 CHLOROBENZENE d5 (IS)	117	10.630	10.630	(1.000)	1053841	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.858	11.857	(0.909)	535868	48.9715	49.0
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.048	13.048	(1.000)	528766	50.0000	

QC Flag Legend

q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 37208.D
Lab Smp Id: 250737208
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3082107.b\8260A.m
Misc Info:

Calibration Date: 08-AUG-2007
Calibration Time: 06:09
Client Smp ID: TO05EB1
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1538145	769073	3076290	1483891	-3.53
63 CHLOROBENZENE d5	1065619	532810	2131238	1053841	-1.11
86 1,4-DICHLOROBENZE	594676	297338	1189352	528766	-11.08

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.33	6.83	7.83	7.33	0.02
63 CHLOROBENZENE d5	10.63	10.13	11.13	10.63	0.00
86 1,4-DICHLOROBENZE	13.05	12.55	13.55	13.05	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37208.D

Date : 21-AUG-2007 10:07

Client ID: TO05EB1

Instrument: vms03.i

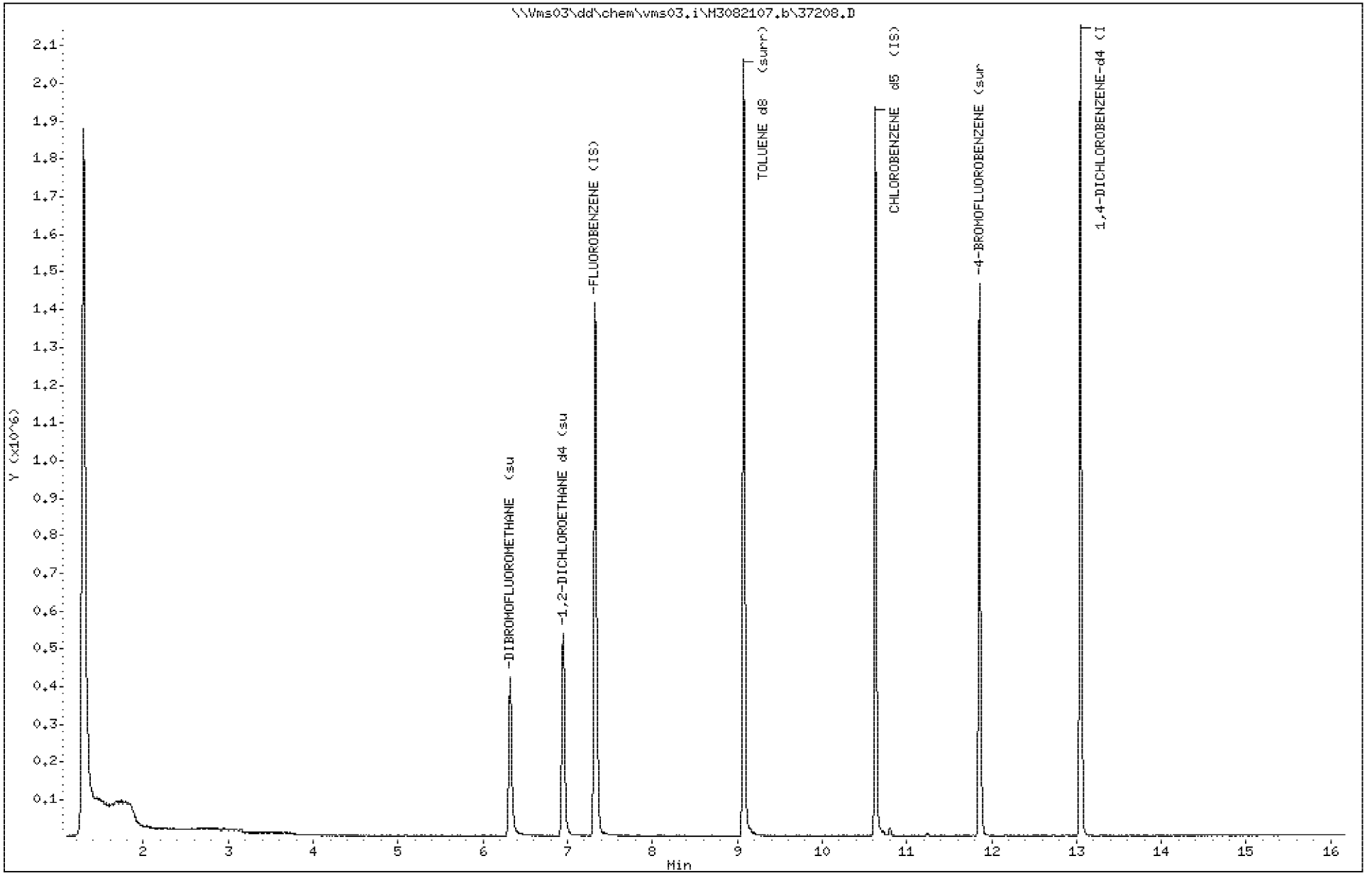
Sample Info: 250737208;2507372;1;

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3082107.b\37209.D
Lab Smp Id: 250737208 Client Smp ID: TO05EB1
Inj Date : 21-AUG-2007 10:31
Operator : Inst ID: vms03.i
Smp Info : 250737208;2507372;1;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3082107.b\8260A.m
Meth Date : 24-Aug-2007 07:37 mjacobs Quant Type: ISTD
Cal Date : 08-AUG-2007 09:24 Cal File: 1PPB.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.326	6.326	(0.863)	367799	52.0984	52.1
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.949	6.951	(0.948)	87855	50.7846	50.8
* 42 FLUOROBENZENE (IS)	96	7.328	7.327	(1.000)	1478197	50.0000	
$ 53 TOLUENE d8 (surr)	98	9.076	9.076	(1.238)	1483899	50.5719	50.6
* 63 CHLOROBENZENE d5 (IS)	117	10.630	10.630	(1.000)	1052153	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.858	11.857	(0.909)	555584	49.4977	49.5
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.048	13.048	(1.000)	542392	50.0000	

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 37209.D
Lab Smp Id: 250737208
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3082107.b\8260A.m
Misc Info:

Calibration Date: 08-AUG-2007
Calibration Time: 06:09
Client Smp ID: TO05EB1
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1538145	769073	3076290	1478197	-3.90
63 CHLOROBENZENE d5	1065619	532810	2131238	1052153	-1.26
86 1,4-DICHLOROBENZE	594676	297338	1189352	542392	-8.79

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.33	6.83	7.83	7.33	0.01
63 CHLOROBENZENE d5	10.63	10.13	11.13	10.63	-0.00
86 1,4-DICHLOROBENZE	13.05	12.55	13.55	13.05	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3082107.b\37209.D

Date : 21-AUG-2007 10:31

Client ID: TO05EB1

Instrument: vms03.i

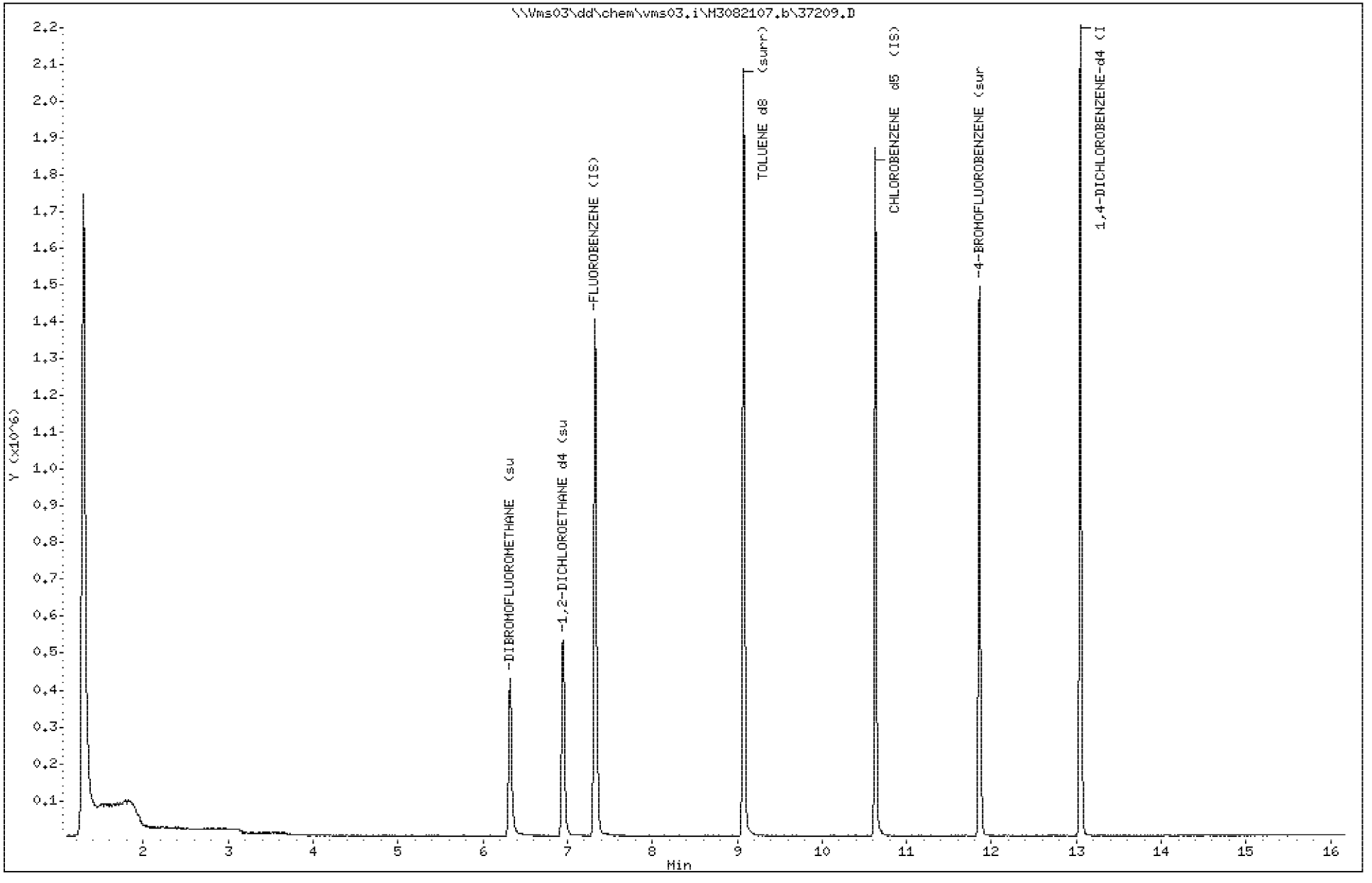
Sample Info: 250737208;2507372;1;

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



Raw Data Method FL PRO

Extraction Method 3510

Extraction Lot DCM 19546

PEL Laboratory
FL-PRO/DRO Water

Batch # 13317

DCN: TD00038
Revision: 1
Date: 6/1/2005

PL

Date 8/17/07 Start Time 930 Stop Time 245

Sample # (Container #)	BLK	LCS	2507372 (7) 01	(5) MS 02	(6) MSD 03	(7) 04	(2) 05	2507373 (5) 01	(4) 02	(6) 03
Date			8/15/07	→	→	→	→	→	→	→
Client ID	DI Water		TOØS MW 40A	→ 40A MS	→ 40MSD	TOØS MW 40B	TOØS FD 02	1274-MW21	→ MW25	→ MW12
Odor			Sulfur	→	→	→	→	Fuel	→	→
Color			Yellow tint	→	→	→	→	Yellow	→	Brown
Sed.			slight	→	→	→	→	none	Yes	→
Volume (mL)	1000	1000	975	980	900	935	935	960	960	950
pH	7/<2	→	<2	→	→	→	→	→	→	→
Surrogate ID	20346 C-39 1mL @ 150ug/mL 20301 OTP 1mL@100ug/mL			→	→	→	→	→	→	→
Surr. Witness	GG	→	→	→	→	→	→	→	→	JH
Spike ID	Na	20373 FL PRO SPK 1mL@ 200ug/mL	Na	20373 FL PRO SPK 1mL@200ug/mL	→	Na	→	→	→	→
Spike Witness	Na	GG	Na	GG	GG	Na	→	→	→	→
Final Vol.	2mL	→	→	→	→	→	→	→	→	→
Remarks	Na	→					→			Heavy emulsion Beaker cleaned
Archive Box/Row	Na	→	→	→	→	→	→	→	→	→

Bath Temp 70'-80

Silica Gel Lot 50102

Sodium Sulfate Lot 19786

Acid Lot 17753

Final Solvent Lot DCM 20011

Log Review _____

2507372

AO-420

Extraction Method 3510

Extraction Lot DCM 19546

PEL Laboratory
FL-PRO/DRO Water

DCN: TD00038
Revision: 1
Date: 6/1/2005

Batch # 13317

Date 8/17/07 Start Time 930 Stop Time 245

Sample # (Container #)	2507373 (4) 04	(4) 05	2507376 (5) 01	(3) 02	(4) 03	(3) 04	MS(4) 05	MSD(4) 06	(5) 07
Date	8/15/07								
Client ID	1274-MW09	DUP-01	F45-MW08R	08R-a	11	12	12MS	12-Sd	13
Odor	none	Slight Fuel	Slight Solvent		Slight	Sulfer			
Color	yellow		Yellow tint			yellow			yellow tint
Sed.	yes		none						
Volume (mL)	960	960	975	960	950	960	950	960	975
pH	<2								
Surrogate ID	20346 C-3A 1mL @ 150ug/mL 20301 OTP 1mL @ 100ug/mL								
Surr. Witness	JH								
Spike ID	Na						20373 FL PRO SPIK 1mL @ 200ug/mL JH	JH	Na
Spike Witness	Na								Na
Final Vol.	2mL								
Remarks	Na								
Archive Box/Row	Na								

VOID

Bath Temp 70°-80°

Silica Gel Lot 50102

Sodium Sulfate Lot 19786

Acid Lot 17753

Final Solvent Lot DCM 20011

Log Review _____

2507372

AO-421

SEQUENCE CHECK

SDG: 2507372 **Method:** FL-PRO

SAMPLE ID	LAB ID	InitialCal Reference	FILE	BATCH	COL	INSTRUMENT	RUN DATE	DILUTION
STD532869	19877	SFID0108/03/07-1515~F1080307PRO	PROCAL6.D	F1080307PRO	1	SFID01	08/03/07 12:50	1
STD532870	19878	SFID0108/03/07-1515~F1080307PRO	PROCAL5.D	F1080307PRO	1	SFID01	08/03/07 13:19	1
STD532871	19879	SFID0108/03/07-1515~F1080307PRO	PROCAL4.D	F1080307PRO	1	SFID01	08/03/07 13:48	1
STD532875	20001	SFID0108/03/07-1515~F1080307PRO	PROCAL3.D	F1080307PRO	1	SFID01	08/03/07 14:17	1
STD532872	19881	SFID0108/03/07-1515~F1080307PRO	PROCAL2.D	F1080307PRO	1	SFID01	08/03/07 14:46	1
STD532873	19882	SFID0108/03/07-1515~F1080307PRO	PROCAL1.D	F1080307PRO	1	SFID01	08/03/07 15:15	1
SSC532874	19883	SFID0108/03/07-1515~F1080307PRO	PROSEC.D	F1080307PRO	1	SFID01	08/03/07 15:44	1
CCV535808	20228	SFID0108/03/07-1515~F1080307PRO	PROCCV4.D	F1081707	1	SFID01	08/17/07 19:07	1
317MB	247397	SFID0108/03/07-1515~F1080307PRO	317MB.D	F1081707	1	SFID01	08/17/07 21:03	1
317LCS	247398	SFID0108/03/07-1515~F1080307PRO	317LCS.D	F1081707	1	SFID01	08/17/07 21:32	1
TO05MW40A	250737201	SFID0108/03/07-1515~F1080307PRO	372-1.D	F1081707	1	SFID01	08/17/07 22:58	1
TO05MW40AMS	250737202	SFID0108/03/07-1515~F1080307PRO	372-2MS.D	F1081707	1	SFID01	08/17/07 23:27	1
TO05MW40AMSD	250737203	SFID0108/03/07-1515~F1080307PRO	372-3SD.D	F1081707	1	SFID01	08/17/07 23:56	1
CCV535809	20228	SFID0108/03/07-1515~F1080307PRO	PROCCV5.D	F1081707	1	SFID01	08/18/07 00:25	1
TO05MW40B	250737204	SFID0108/03/07-1515~F1080307PRO	372-4.D	F1081707	1	SFID01	08/18/07 00:54	1
TO05FD02	250737205	SFID0108/03/07-1515~F1080307PRO	372-5.D	F1081707	1	SFID01	08/18/07 01:22	1
CCV535810	20392	SFID0108/03/07-1515~F1080307PRO	PROCCV6.D	F1081707	1	SFID01	08/18/07 05:41	1

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18788	C-39	NSI W-1339-19	1339-19-01	11/1/2009	1 ML	5/25/2007	lkeene
6000 UG/ML: Nonatriacontane (C-39)							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19428	TPH	Ultra SFL-601	CC-3232	11/30/2009	1.5 ML	6/21/2007	spruskin
500 UG/ML: TPH							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19429	TPH	Ultra SFL-601	CC-3232	11/30/2009	1.5 ML	6/21/2007	spruskin
500 UG/ML: TPH							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19431	TPH	Ultra SFL-601	CC-3232	11/30/2009	1.5 ML	6/21/2007	spruskin
500 UG/ML: TPH							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19513	OTP	NSI W-1341H-02-0	W-1341H-02-09	6/1/2010	1.5 ML	6/26/2007	lkeene
10000 UG/ML: o-Terphenyl Surrogate							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19519	OTP	NSI W-1341H-02-0	W-1341H-02-09	6/1/2010	1.5 ML	6/26/2007	parmstrong
10000 UG/ML: o-Terphenyl Surrogate							

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19522	OTP	NSI W-1341H-02-0	W-1341H-02-09	6/1/2010	1.5 ML	6/26/2007	parmstrong
10000 UG/ML: o-Terphenyl Surrogate							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19546	DCM	J.T.Baker	E18401	8/31/2008	64 L	6/29/2007	ecrane
: Methylene chloride							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19556	FLPRO_TPH_CPI	CPI	126094	7/7/2011	1 ML	6/29/2007	lkeene
2000 MG/L: TPH							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19822	TPH	Ultra SFL-601	CC-3232	11/1/2009	1.5 ML	7/13/2007	lkeene
500 UG/ML: TPH							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19823	TPH	Ultra SFL-601	CC-3232	11/1/2009	1.5 ML	7/13/2007	lkeene
500 UG/ML: TPH							

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19844	FLPRO_TPH_CPI	CPI	126094	7/7/2011	1 ML	7/17/2007	jacker
2000 UG/ML: TPH							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19847	FLPRO_TPH_CPI	CPI	126094	7/7/2011	1 ML	7/17/2007	jacker
2000 UG/ML: TPH							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19859	FLPRO-C39-STK	CPI	127206	7/17/2010	1 ML	7/17/2007	jacker
6000 MG/L: Nonatriacontane (C-39)							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19860	FLPRO-C39-STK	CPI	127206	7/17/2010	1 ML	7/17/2007	jacker
6000 MG/L: Nonatriacontane (C-39)							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19861	FLPRO-C39-STK	CPI	127206	7/17/2010	1 ML	7/17/2007	jacker
6000 MG/L: Nonatriacontane (C-39)							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19863	FLPRO-C39-STK	CPI	127206	7/17/2010	1 ML	7/17/2007	jacker
6000 MG/L: Nonatriacontane (C-39)							

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19877	PRO_CAL6			8/18/2007	1 ML	7/18/2007	jacker

400 UG/ML: TPH
50 UG/ML: o-Terphenyl Surrogate
75 UG/ML: Nonatriacontane (C-39)

COMPOSED OF:

18788: 12.5 UL 19429: 800 UL 19522: 5 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19878	PRO_CAL5			8/18/2007	1 ML	7/18/2007	jacker

300 UG/ML: TPH
50 UG/ML: o-Terphenyl Surrogate
75 UG/ML: Nonatriacontane (C-39)

COMPOSED OF:

18788: 12.5 UL 19429: 200 UL 19431: 400 UL 19522: 5 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19879	PRO_CAL4			8/18/2007	1 ML	7/18/2007	jacker

150 UG/ML: TPH
50 UG/ML: o-Terphenyl Surrogate
75 UG/ML: Nonatriacontane (C-39)

COMPOSED OF:

18788: 12.5 UL 19431: 300 UL 19522: 5 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19881	PRO_CAL2			8/18/2007	1 ML	7/18/2007	jacker

50 UG/ML: o-Terphenyl Surrogate, TPH
75 UG/ML: Nonatriacontane (C-39)

COMPOSED OF:

18788: 12.5 UL 19428: 100 UL 19522: 5 UL

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19882	PRO_CAL1			8/18/2007	1 ML	7/18/2007	jacker

10 UG/ML: TPH
50 UG/ML: o-Terphenyl Surrogate
75 UG/ML: Nonatriacontane (C-39)

COMPOSED OF:

18788: 12.5 UL 19428: 20 UL 19522: 5 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19883	PRO_SECCCV			8/18/2007	1 ML	7/18/2007	jacker

100 UG/ML: TPH
50 UG/ML: o-Terphenyl Surrogate
75 UG/ML: Nonatriacontane (C-39)

COMPOSED OF:

18788: 12.5 UL 19522: 5 UL 19556: 50 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
20001	PRO_CAL3			8/27/2007	5 ML	7/27/2007	jwood

100 UG/ML: TPH
50 UG/ML: o-Terphenyl Surrogate
75 UG/ML: Nonatriacontane (C-39)

COMPOSED OF:

18788: 62.5 UL 19428: 1000 UL 19522: 25 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
20228	PRO_CAL3			9/9/2007	5 ML	8/9/2007	jwood

100 UG/ML: TPH
50 UG/ML: o-Terphenyl Surrogate
75 UG/ML: Nonatriacontane (C-39)

COMPOSED OF:

19513: 25 UL 19822: 1000 UL 19860: 62.5 UL

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
20301	OTPwkg_surr			9/7/2007	100 ML	8/14/2007	ericbattistaWCH

UG/ML: Methylene chloride
100 UG/ML: o-Terphenyl Surrogate

COMPOSED OF:

19519: 1 ML 19546: 100 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
20324	FLPRO_TPH_CPI	CPI	126094	7/7/2011	1 ML	8/15/2007	ericbattistaWCH

2000 UG/ML: TPH

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
20346	C-39wkg_surr			9/15/2007	100 ML	8/15/2007	jacker

UG/ML: Methylene chloride
150 UG/ML: Nonatriacontane (C-39)

COMPOSED OF:

19546: 100 ML 19859: 0.5 ML 19860: 1 ML 19861: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
20373	FL-PROwkg_spk			9/14/2007	25 ML	8/17/2007	ericbattistaWCH

UG/ML: Methylene chloride
200 UG/ML: TPH

COMPOSED OF:

19546: 25 ML 19844: 0.5 ML 19847: 1 ML 20324: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
20392	PRO_CAL3			9/17/2007	5 ML	8/17/2007	ericbattistaWCH

100 UG/ML: TPH
50 UG/ML: o-Terphenyl Surrogate
75 UG/ML: Nonatriacontane (C-39)

STANDARDS LOG

COMPOSED OF:

19519: 25 UL 19823: 1000 UL 19863: 62.5 UL

2507372

AO-429

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1080307PRO.b\PROCAL6.D
Lab Smp Id: 19877 Client Smp ID: PROCAL6
Inj Date : 03-AUG-2007 12:50
Operator : PEL Inst ID: sfid01.i
Smp Info : 19877
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1080307PRO.b\FLPRO.m
Meth Date : 20-Aug-2007 13:55 jacker Quant Type: ESTD
Cal Date : 03-AUG-2007 12:50 Cal File: PROCAL6.D
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1000.000	Sample Initial Volume
Vf	2.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

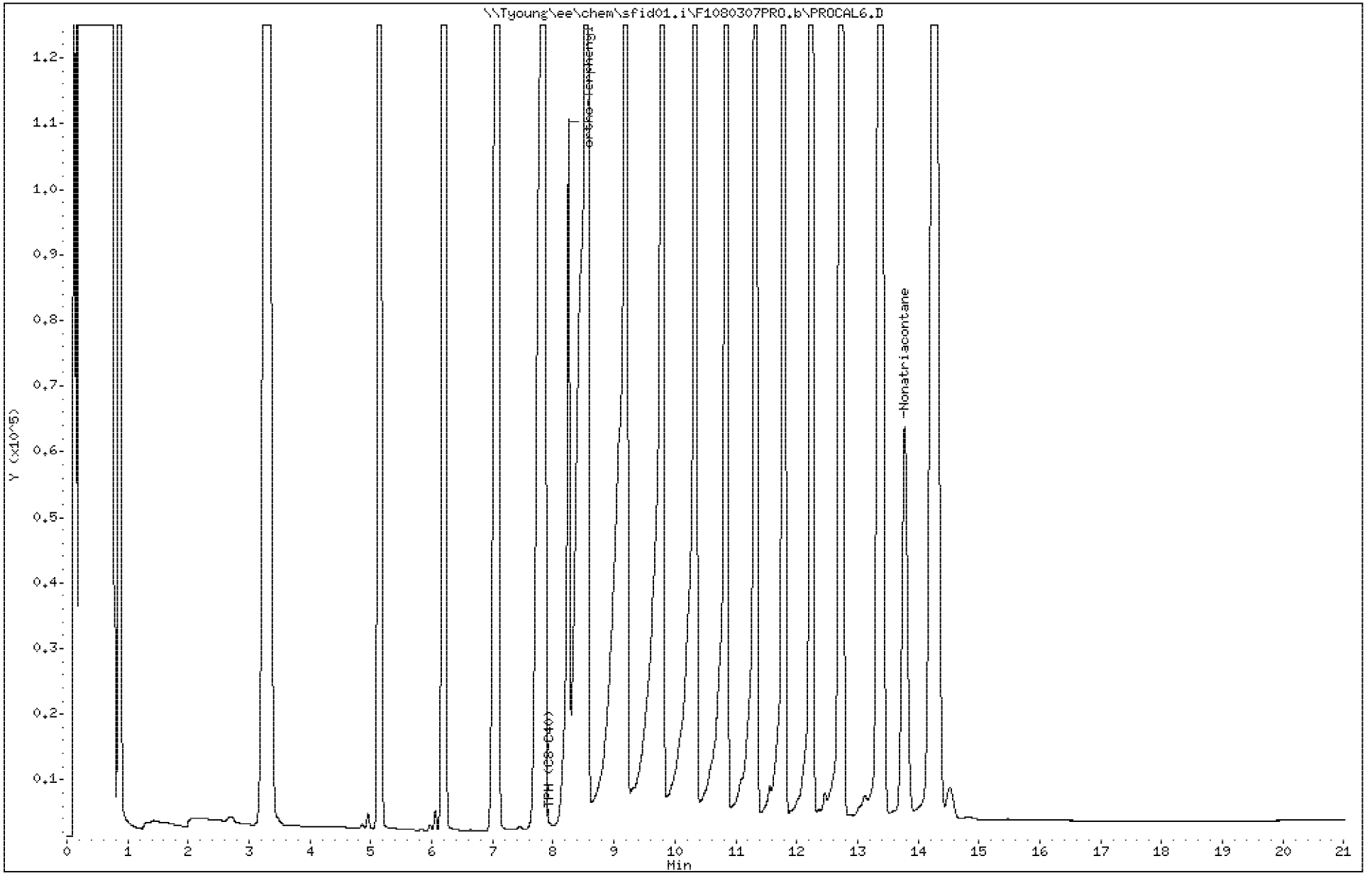
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	-15.000		174959906	6.80000	6.6(M)
$ 2 ortho-Terphenyl	8.253	8.250	0.003	1304282	0.05000	0.044(M)
$ 3 Nonatriacontane	13.776	13.746	0.030	1800141	0.07500	0.072(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1080307PRO.b\PROCAL6.D
Date : 03-AUG-2007 12:50
Client ID: PROCAL6
Sample Info: 19877
Volume Injected (uL): 1000.0
Column phase: RTX-5

Instrument: sfid01.i
Operator: PEL
Column diameter: 0.53



AO-431

2507372

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1080307PRO.b\PROCAL5.D
Lab Smp Id: 19878 Client Smp ID: PROCAL5
Inj Date : 03-AUG-2007 13:19
Operator : PEL Inst ID: sfid01.i
Smp Info : 19878
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1080307PRO.b\FLPRO.m
Meth Date : 20-Aug-2007 13:55 jacker Quant Type: ESTD
Cal Date : 03-AUG-2007 13:19 Cal File: PROCAL5.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1000.000	Sample Initial Volume
Vf	2.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

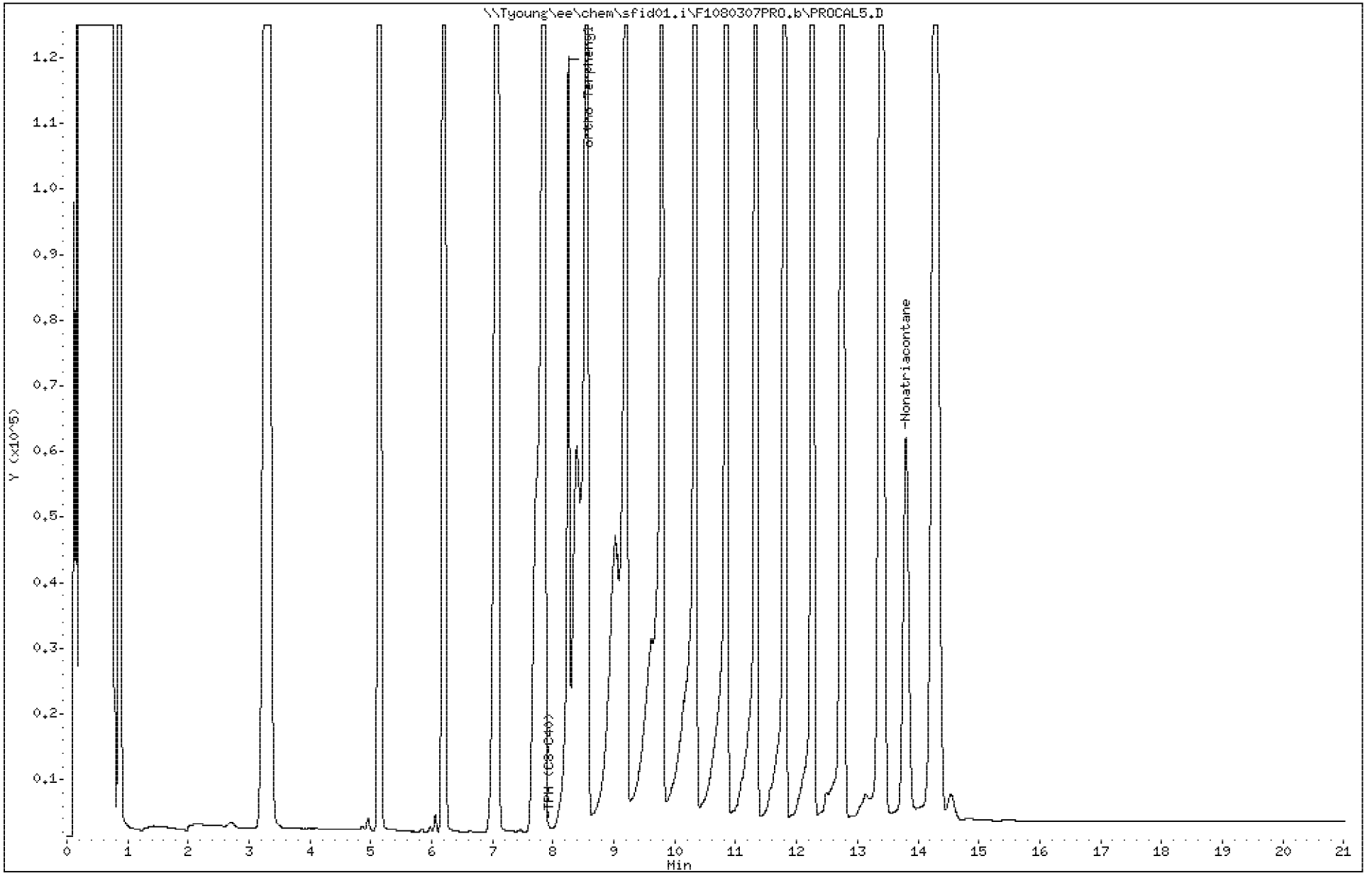
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	-15.000		141434723	5.10000	5.3(M)
$ 2 ortho-Terphenyl	8.253	8.250	0.003	1238952	0.05000	0.042(M)
$ 3 Nonatriacontane	13.803	13.746	0.057	1765913	0.07500	0.071(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1080307PRO.b\PROCAL5.D
Date : 03-AUG-2007 13:19
Client ID: PROCAL5
Sample Info: 19878
Volume Injected (uL): 1000.0
Column phase: RTX-5

Instrument: sfid01.i
Operator: PEL
Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1080307PRO.b\PROCAL4.D
Lab Smp Id: 19879 Client Smp ID: PROCAL4
Inj Date : 03-AUG-2007 13:48
Operator : PEL Inst ID: sfid01.i
Smp Info : 19879
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1080307PRO.b\FLPRO.m
Meth Date : 20-Aug-2007 13:55 jacker Quant Type: ESTD
Cal Date : 03-AUG-2007 13:48 Cal File: PROCAL4.D
Als bottle: 3 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1000.000	Sample Initial Volume
Vf	2.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	-15.000		73560777	2.55000	2.7(M)
$ 2 ortho-Terphenyl	8.250	8.250	0.000	1572692	0.05000	0.053(M)
$ 3 Nonatriacontane	13.793	13.746	0.047	1910640	0.07500	0.077(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1080307PRO.b\PROCAL4.D

Date : 03-AUG-2007 13:48

Client ID: PROCAL4

Instrument: sfid01.i

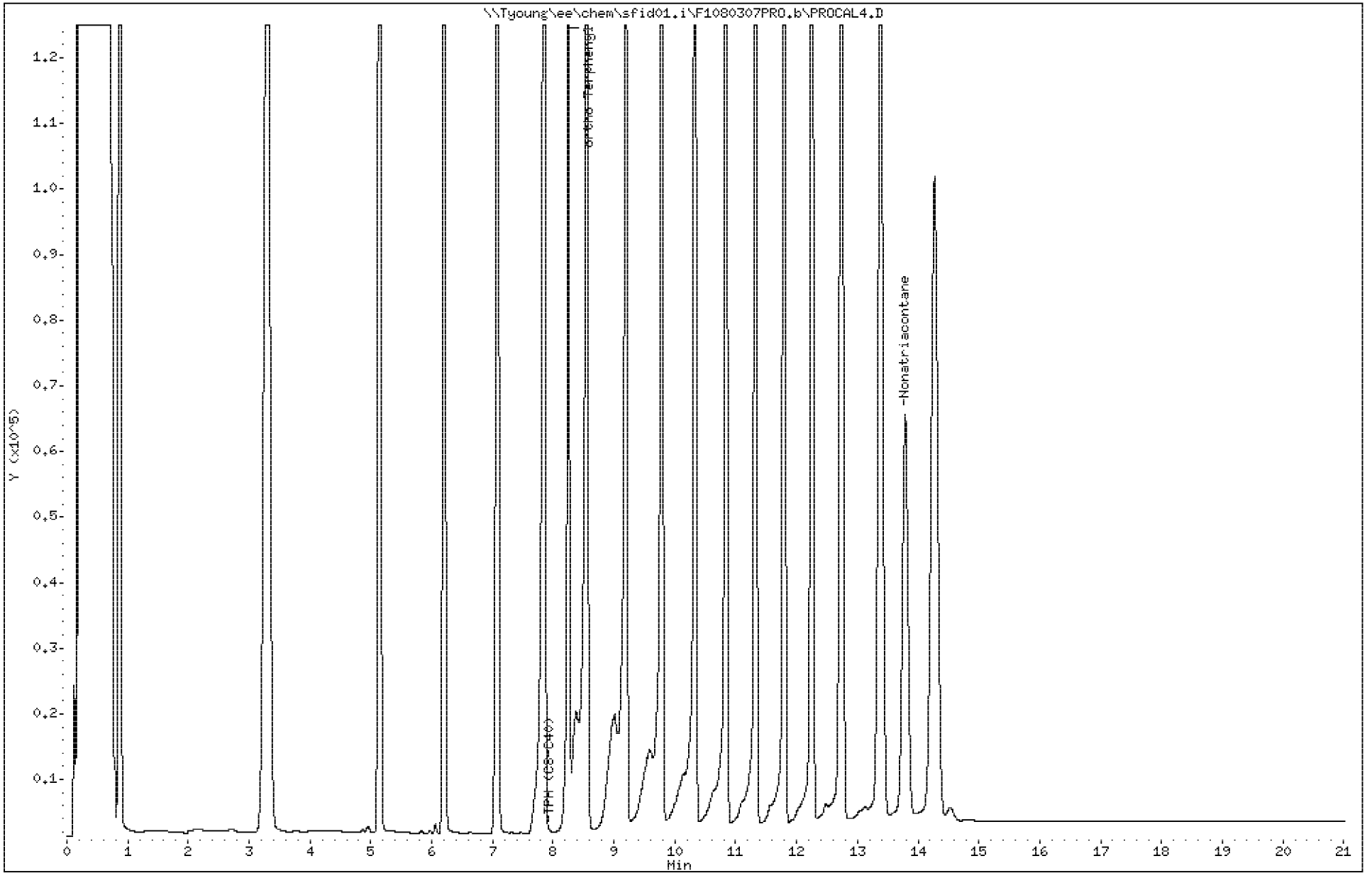
Sample Info: 19879

Volume Injected (uL): 1000.0

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1080307PRO.b\PROCAL3.D
Lab Smp Id: 20001 Client Smp ID: PROCAL3
Inj Date : 03-AUG-2007 14:17
Operator : PEL Inst ID: sfid01.i
Smp Info : 20001
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1080307PRO.b\FLPRO.m
Meth Date : 20-Aug-2007 13:55 jacker Quant Type: ESTD
Cal Date : 03-AUG-2007 14:17 Cal File: PROCAL3.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1000.000	Sample Initial Volume
Vf	2.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	-15.000		48810867	1.70000	1.7(M)
$ 2 ortho-Terphenyl	8.250	8.250	0.000	1641523	0.05000	0.055(M)
$ 3 Nonatriacontane	13.760	13.746	0.014	1981837	0.07500	0.079(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1080307PRO.b\PROCAL3.D

Date : 03-AUG-2007 14:17

Client ID: PROCAL3

Instrument: sfid01.i

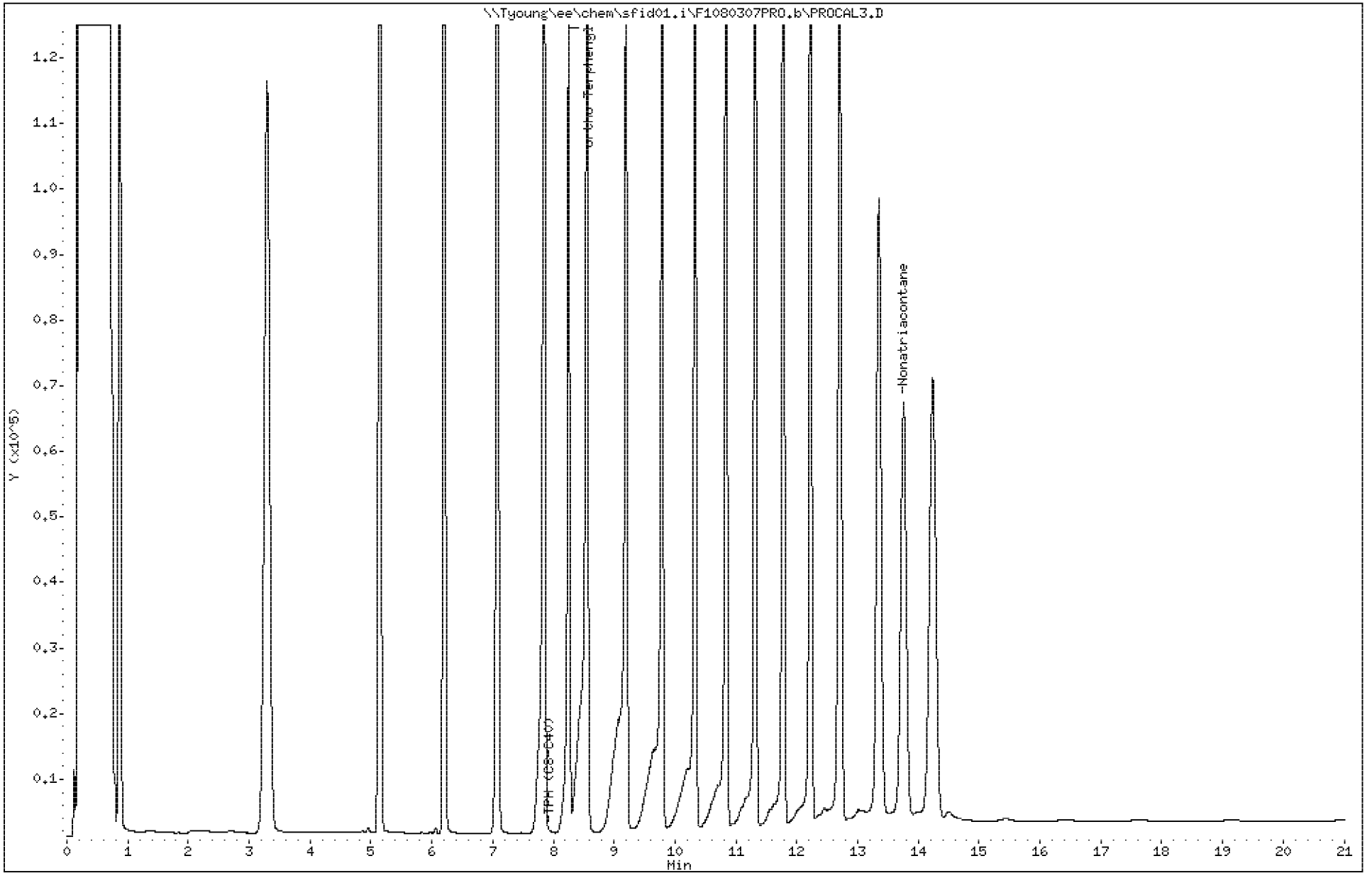
Sample Info: 20001

Volume Injected (uL): 1000.0

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1080307PRO.b\PROCAL2.D
Lab Smp Id: 19881 Client Smp ID: PROCAL2
Inj Date : 03-AUG-2007 14:46
Operator : PEL Inst ID: sfid01.i
Smp Info : 19881
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1080307PRO.b\FLPRO.m
Meth Date : 20-Aug-2007 13:55 jacker Quant Type: ESTD
Cal Date : 03-AUG-2007 14:46 Cal File: PROCAL2.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1000.000	Sample Initial Volume
Vf	2.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	-15.000		24789834	0.85000	0.78(M)
$ 2 ortho-Terphenyl	8.250	8.250	0.000	1752507	0.05000	0.059(M)
$ 3 Nonatriacontane	13.750	13.746	0.004	1927641	0.07500	0.077(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1080307PRO.b\PROCAL2.D

Date : 03-AUG-2007 14:46

Client ID: PROCAL2

Instrument: sfid01.i

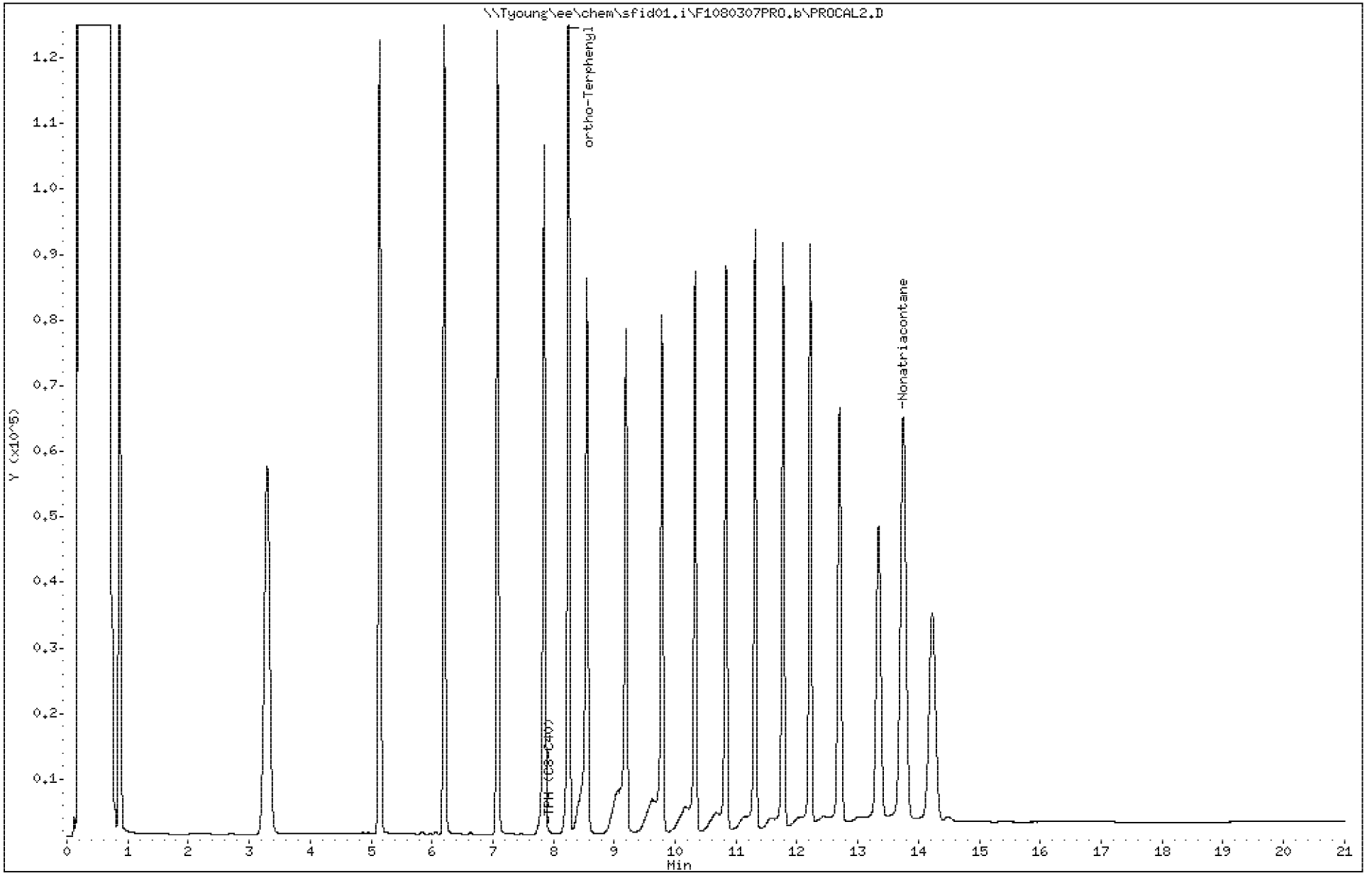
Sample Info: 19881

Volume Injected (uL): 1000.0

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



AO-439

2507372

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1080307PRO.b\PROCAL1.D
Lab Smp Id: 19882 Client Smp ID: PROCAL1
Inj Date : 03-AUG-2007 15:15
Operator : PEL Inst ID: sfid01.i
Smp Info : 19882
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1080307PRO.b\FLPRO.m
Meth Date : 20-Aug-2007 13:55 jacker Quant Type: ESTD
Cal Date : 03-AUG-2007 15:15 Cal File: PROCAL1.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1000.000	Sample Initial Volume
Vf	2.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

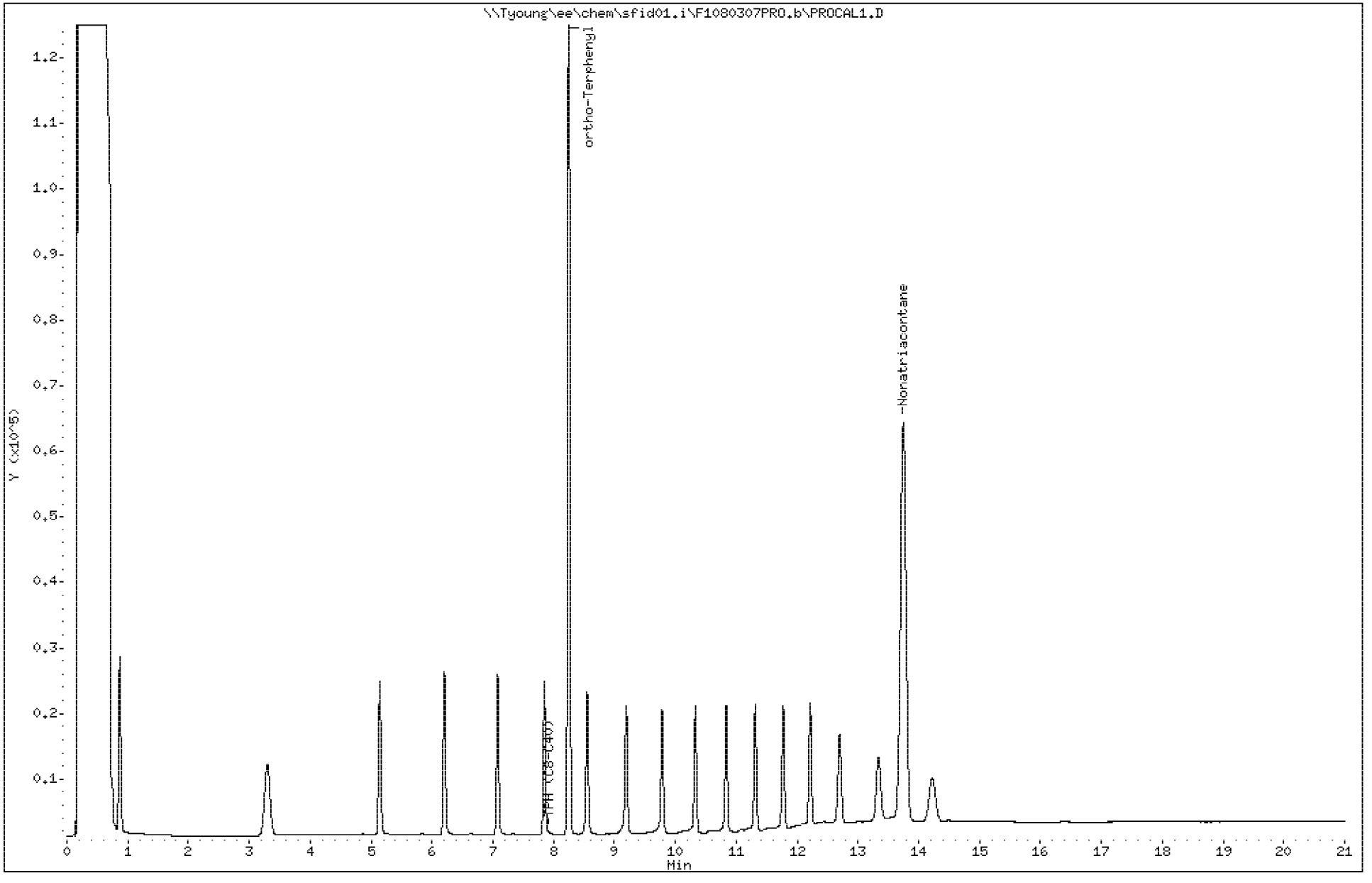
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	-15.000		5754980	0.17000	0.071(M)
$ 2 ortho-Terphenyl	8.253	8.250	0.003	1713731	0.05000	0.056(M)
$ 3 Nonatriacontane	13.746	13.746	0.000	1913383	0.07500	0.076(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1080307PRO.b\PROCAL1.D
Date : 03-AUG-2007 15:15
Client ID: PROCAL1
Sample Info: 19882
Volume Injected (uL): 1000.0
Column phase: RTX-5

Instrument: sfid01.i
Operator: PEL
Column diameter: 0.53



AO-441
2507372

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1080307PRO.b\PROSEC.D
Lab Smp Id: 19883 Client Smp ID: PROSEC
Inj Date : 03-AUG-2007 15:44
Operator : PEL Inst ID: sfid01.i
Smp Info : 19883
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1080307PRO.b\FLPRO.m
Meth Date : 20-Aug-2007 13:55 jacker Quant Type: ESTD
Cal Date : 03-AUG-2007 15:15 Cal File: PROCAL1.D
Als bottle: 7 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1000.000	Sample Initial Volume
Vf	2.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	-15.000		48068640	1.70000	1.6(M)
$ 2 ortho-Terphenyl	8.250	8.250	0.000	1661568	0.05000	0.054(M)
$ 3 Nonatriacontane	13.746	13.746	0.000	2018352	0.07500	0.080(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1080307PRO.b\PROSEC.D

Date : 03-AUG-2007 15:44

Client ID: PROSEC

Instrument: sfid01.i

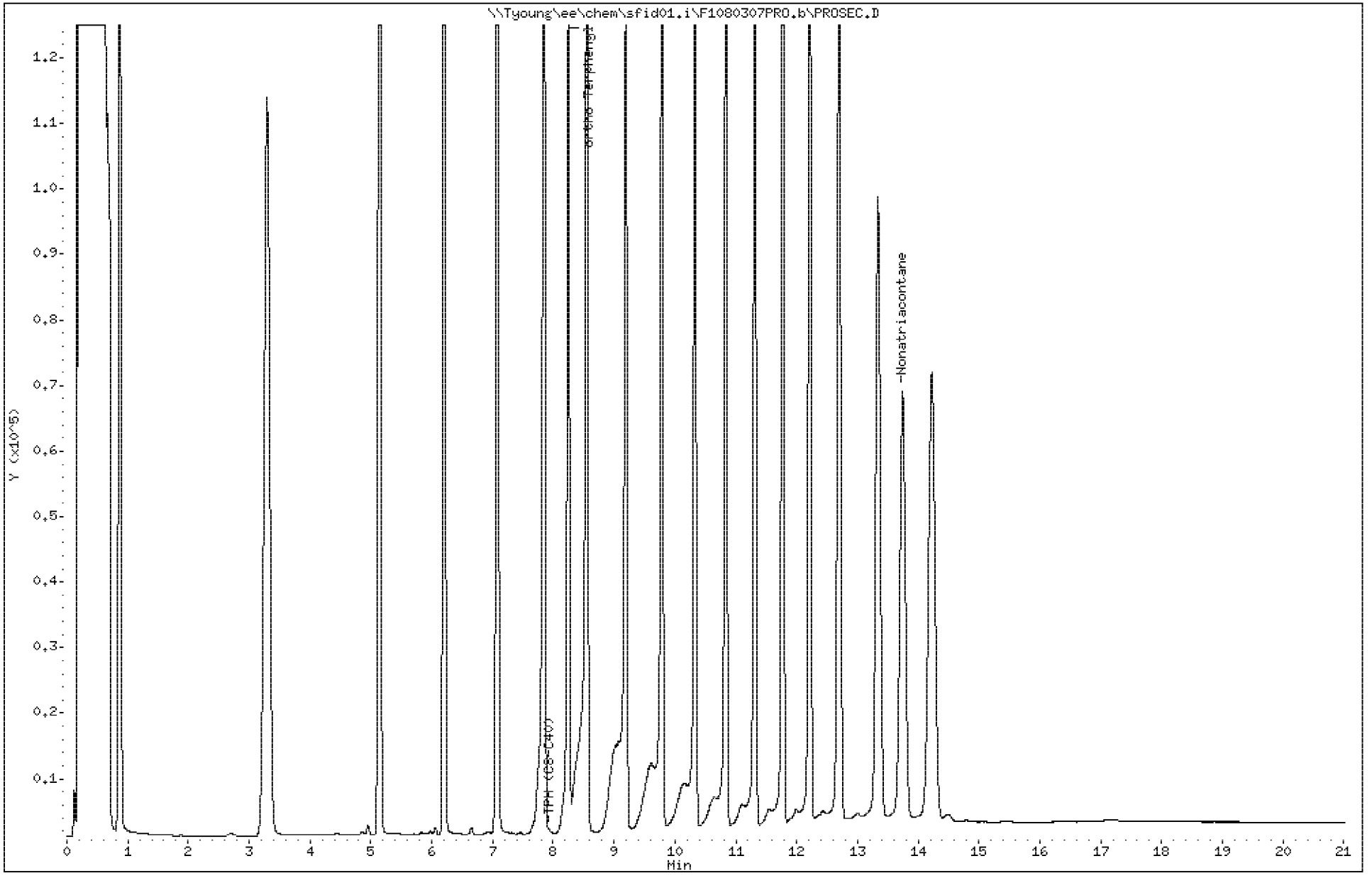
Sample Info: 19883

Volume Injected (uL): 1000.0

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



AO-443

2507372

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1081707.b\PROCCV4.D
Lab Smp Id: 20228 Client Smp ID: PROCCV4
Inj Date : 17-AUG-2007 19:07
Operator : PEL Inst ID: sfid01.i
Smp Info : 20228
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1081707.b\FLPRO.m
Meth Date : 20-Aug-2007 11:35 jacker Quant Type: ESTD
Cal Date : 03-AUG-2007 15:15 Cal File: PROCAL1.D
Als bottle: 96 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: FIDQUANT

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1000.000	Sample Initial Volume
Vf	2.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

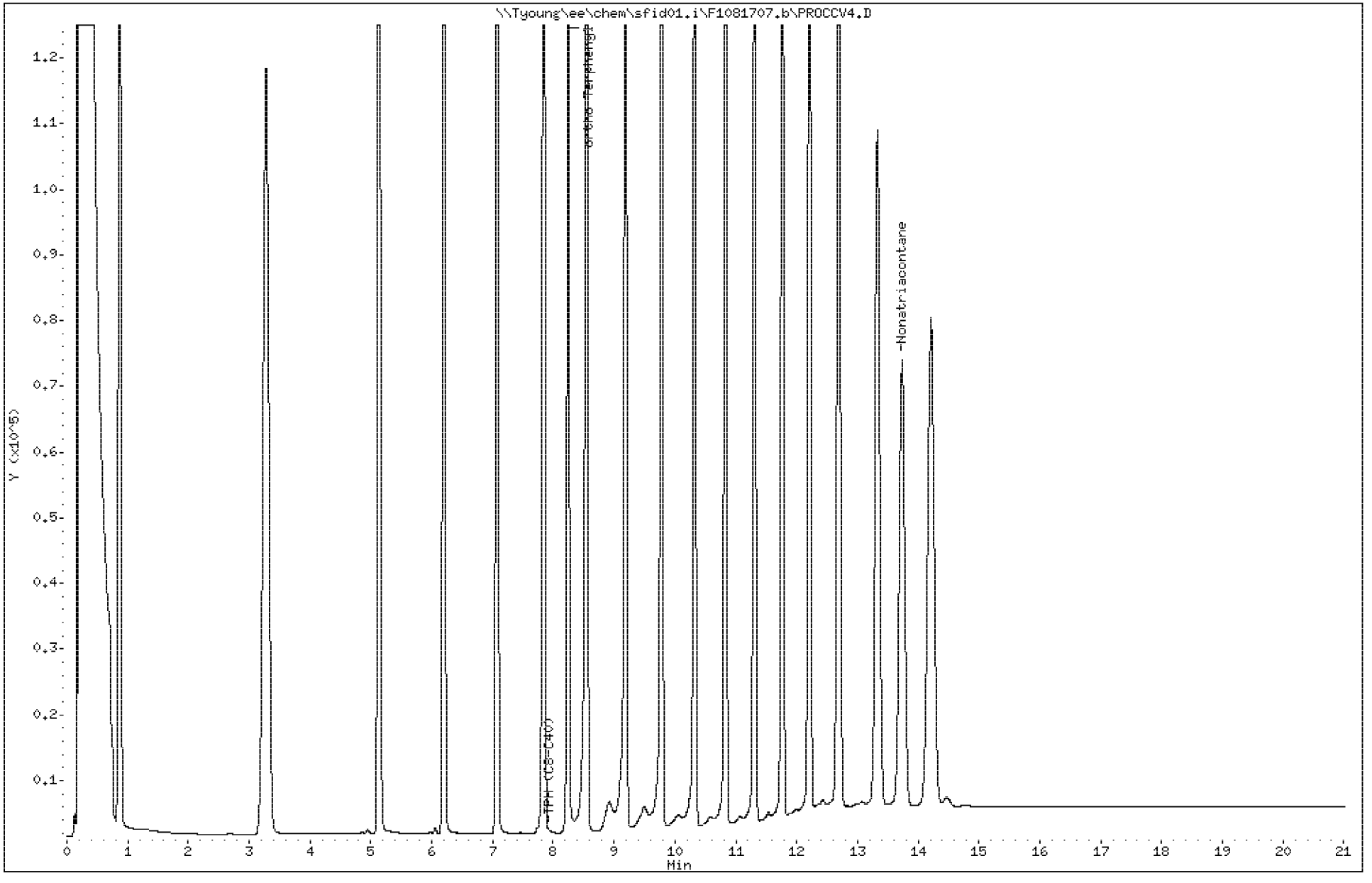
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	15.000		51350827	1.70000	1.8(M)
$ 2 ortho-Terphenyl	8.246	8.243	0.003	1784353	0.05000	0.058(M)
$ 3 Nonatriacontane	13.740	13.730	0.010	2097145	0.07500	0.084(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1081707.b\PROCCV4.D
Date : 17-AUG-2007 19:07
Client ID: PROCCV4
Sample Info: 20228
Volume Injected (uL): 1000.0
Column phase: RTX-5

Instrument: sfid01.i
Operator: PEL
Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1081707.b\317MB.D
Lab Smp Id: 247397 Client Smp ID: 317MB
Inj Date : 17-AUG-2007 21:03
Operator : PEL Inst ID: sfid01.i
Smp Info : 247397
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1081707.b\FLPRO.m
Meth Date : 20-Aug-2007 11:35 jacker Quant Type: ESTD
Cal Date : 03-AUG-2007 15:15 Cal File: PROCAL1.D
Als bottle: 34 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1000.000	Sample Initial Volume
Vf	2.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

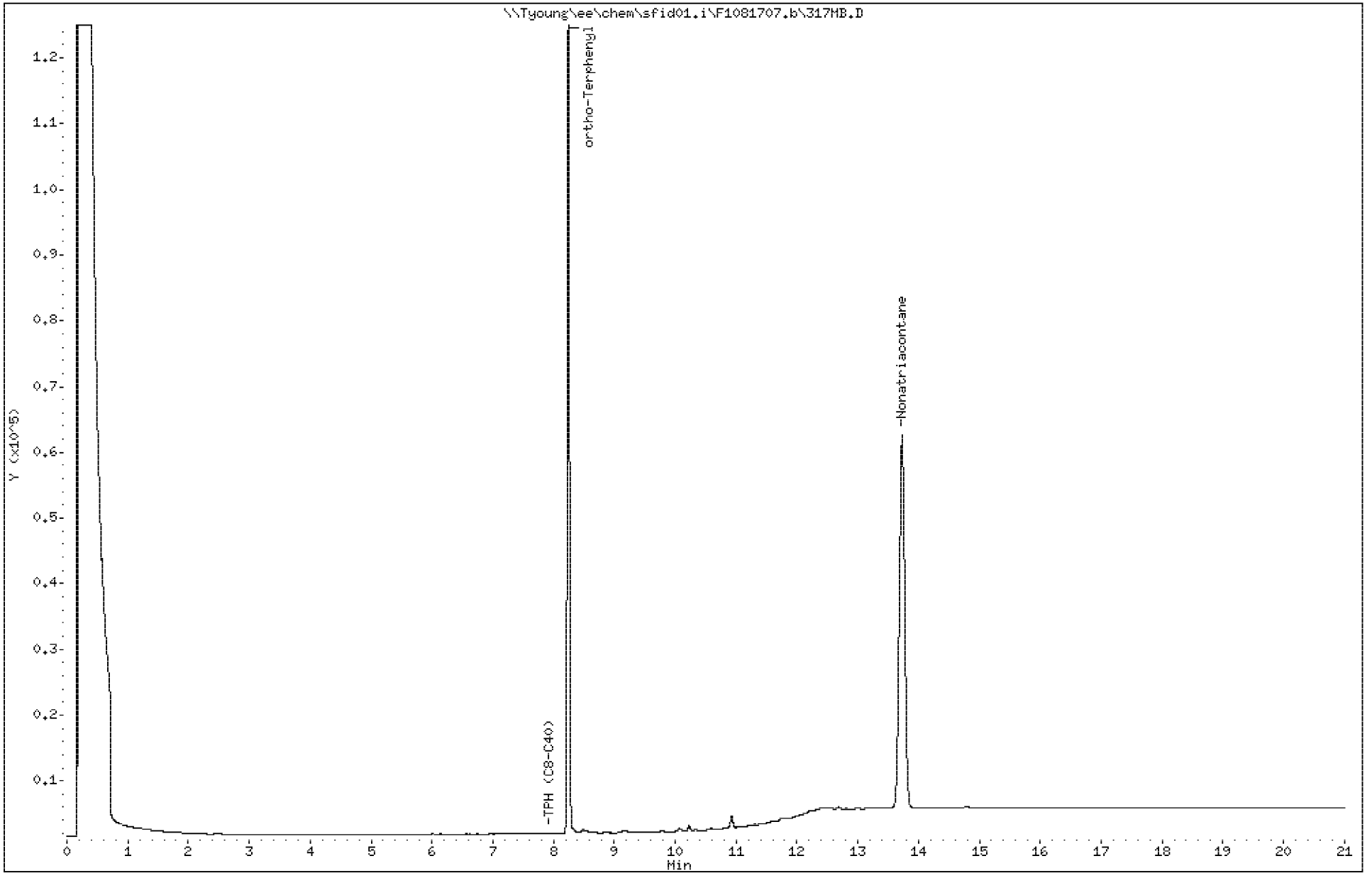
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/ml)	FINAL (mg/L)
S 1 TPH (C8-C40)	0.900	-15.000		1230339	0.04242	0.085(M)
$ 2 ortho-Terphenyl	8.246	8.243	0.003	1434455	0.04666	0.093(M)
$ 3 Nonatriacontane	13.733	13.730	0.003	1736653	0.06916	0.14(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1081707.b\317MB.D
Date : 17-AUG-2007 21:03
Client ID: 317MB
Sample Info: 247397
Volume Injected (uL): 1000.0
Column phase: RTX-5

Instrument: sfid01.i
Operator: PEL
Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1081707.b\317LCS.D
Lab Smp Id: 247398 Client Smp ID: 317LCS
Inj Date : 17-AUG-2007 21:32
Operator : PEL Inst ID: sfid01.i
Smp Info : 247398
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1081707.b\FLPRO.m
Meth Date : 20-Aug-2007 11:35 jacker Quant Type: ESTD
Cal Date : 03-AUG-2007 15:15 Cal File: PROCAL1.D
Als bottle: 35 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1000.000	Sample Initial Volume
Vf	2.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/ml)	FINAL (mg/L)
S 1 TPH (C8-C40)	0.900	-15.000		43149897	1.48760	3.0(M)
$ 2 ortho-Terphenyl	8.246	8.243	0.003	1490469	0.04848	0.097(M)
$ 3 Nonatriacontane	13.713	13.730	-0.017	1808258	0.07201	0.14(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1081707.b\317LCS.D

Date : 17-AUG-2007 21:32

Client ID: 317LCS

Instrument: sfid01.i

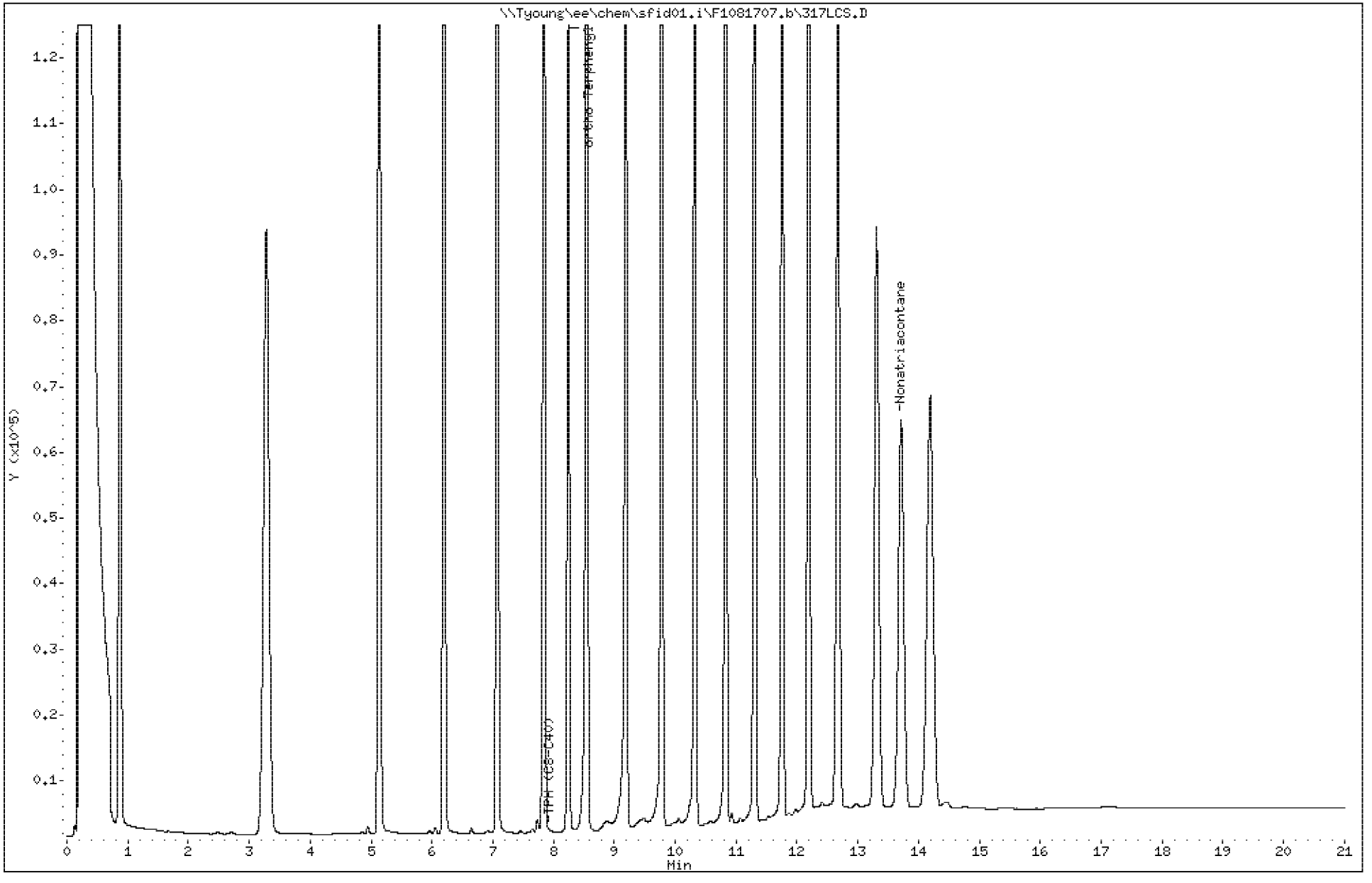
Sample Info: 247398

Volume Injected (uL): 1000.0

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1081707.b\372-1.D
Lab Smp Id: 250737201 Client Smp ID: TO05MW40A
Inj Date : 17-AUG-2007 22:58
Operator : PEL Inst ID: sfid01.i
Smp Info : 250737201
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1081707.b\FLPRO.m
Meth Date : 20-Aug-2007 11:35 jacker Quant Type: ESTD
Cal Date : 03-AUG-2007 15:15 Cal File: PROCAL1.D
Als bottle: 38
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVECD04

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	975.000	Sample Initial Volume
Vf	2.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

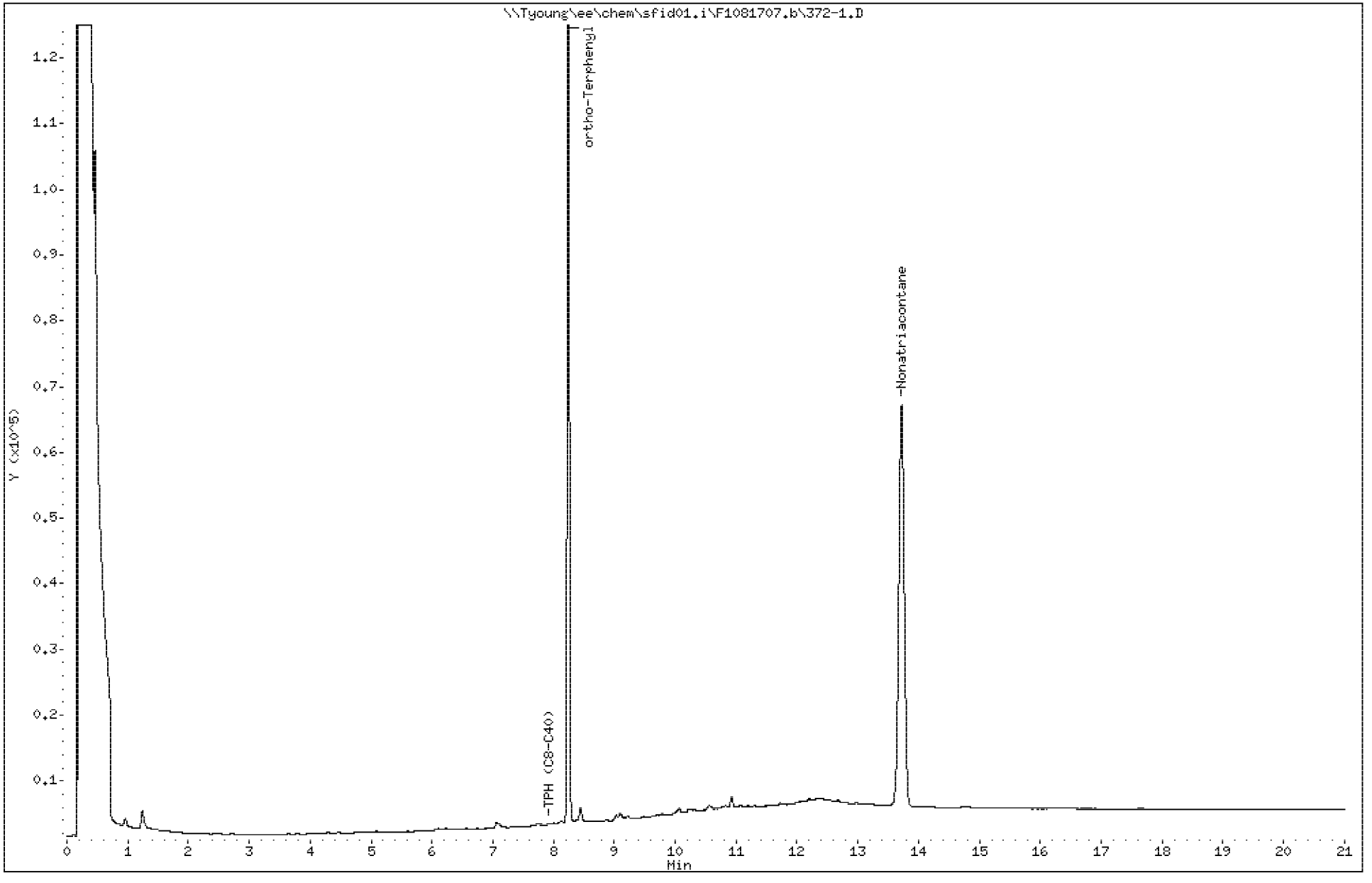
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/ml)	FINAL (mg/L)
S 1 TPH (C8-C40)	0.900	-15.000		2736363	0.09434	0.19(M)
$ 2 ortho-Terphenyl	8.243	8.243	0.000	1614948	0.05253	0.11(M)
$ 3 Nonatriacontane	13.723	13.730	-0.007	1869600	0.07446	0.15(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1081707.b\372-1.D
Date : 17-AUG-2007 22:58
Client ID: TO05MW40A
Sample Info: 250737201
Volume Injected (uL): 975.0
Column phase: RTX-5

Instrument: sfid01.i
Operator: PEL
Column diameter: 0.53



AO-451

2507372

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1081707.b\372-2MS.D
Lab Smp Id: 250737202 Client Smp ID: TO05MW40AMS
Inj Date : 17-AUG-2007 23:27
Operator : PEL Inst ID: sfid01.i
Smp Info : 250737202
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1081707.b\FLPRO.m
Meth Date : 20-Aug-2007 11:35 jacker Quant Type: ESTD
Cal Date : 03-AUG-2007 15:15 Cal File: PROCAL1.D
Als bottle: 39 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVECD04

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	980.000	Sample Initial Volume
Vf	2.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

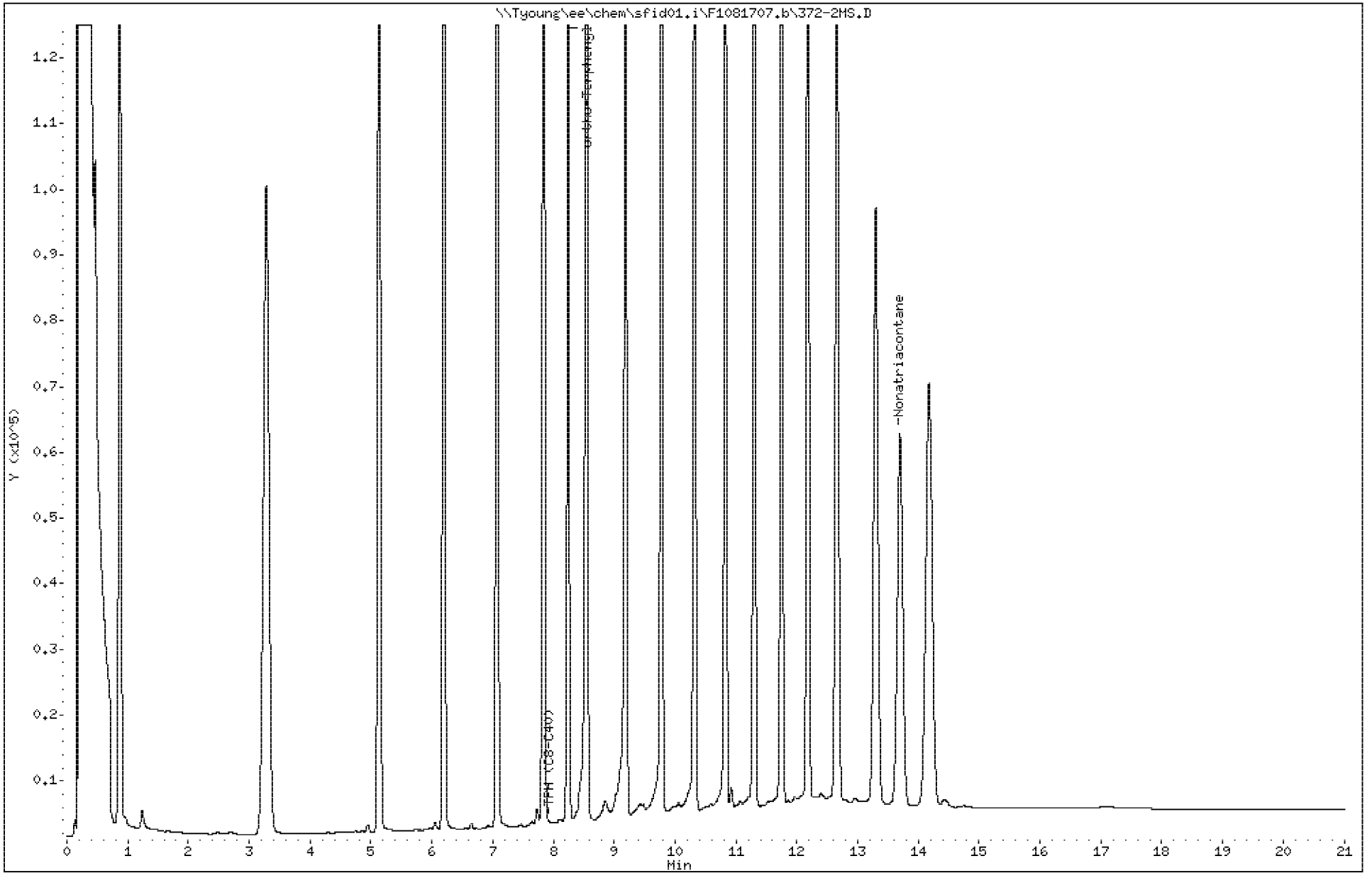
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/ml)	FINAL (mg/L)
S 1 TPH (C8-C40)	0.900	-15.000		46638427	1.60786	3.3(M)
$ 2 ortho-Terphenyl	8.243	8.243	0.000	1516490	0.04932	0.10(M)
$ 3 Nonatriacontane	13.700	13.730	-0.030	1735605	0.06912	0.14(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1081707.b\372-2MS.D
Date : 17-AUG-2007 23:27
Client ID: TO05MW40AMS
Sample Info: 250737202
Volume Injected (uL): 980.0
Column phase: RTX-5

Instrument: sfid01.i
Operator: PEL
Column diameter: 0.53



AO-453

2507372

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1081707.b\372-3SD.D
Lab Smp Id: 250737203 Client Smp ID: TO05MW40AMSD
Inj Date : 17-AUG-2007 23:56
Operator : PEL Inst ID: sfid01.i
Smp Info : 250737203
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1081707.b\FLPRO.m
Meth Date : 20-Aug-2007 11:35 jacker Quant Type: ESTD
Cal Date : 03-AUG-2007 15:15 Cal File: PROCAL1.D
Als bottle: 40 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVECD04

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	900.000	Sample Initial Volume
Vf	2.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/ml)	FINAL (mg/L)
S 1 TPH (C8-C40)	0.900	-15.000		46751304	1.61176	3.6(M)
$ 2 ortho-Terphenyl	8.243	8.243	0.000	1537482	0.05001	0.11(M)
$ 3 Nonatriacontane	13.710	13.730	-0.020	1766058	0.07033	0.16(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1081707.b\372-3SD.D

Date : 17-AUG-2007 23:56

Client ID: TO05MW40AMSD

Instrument: sfid01.i

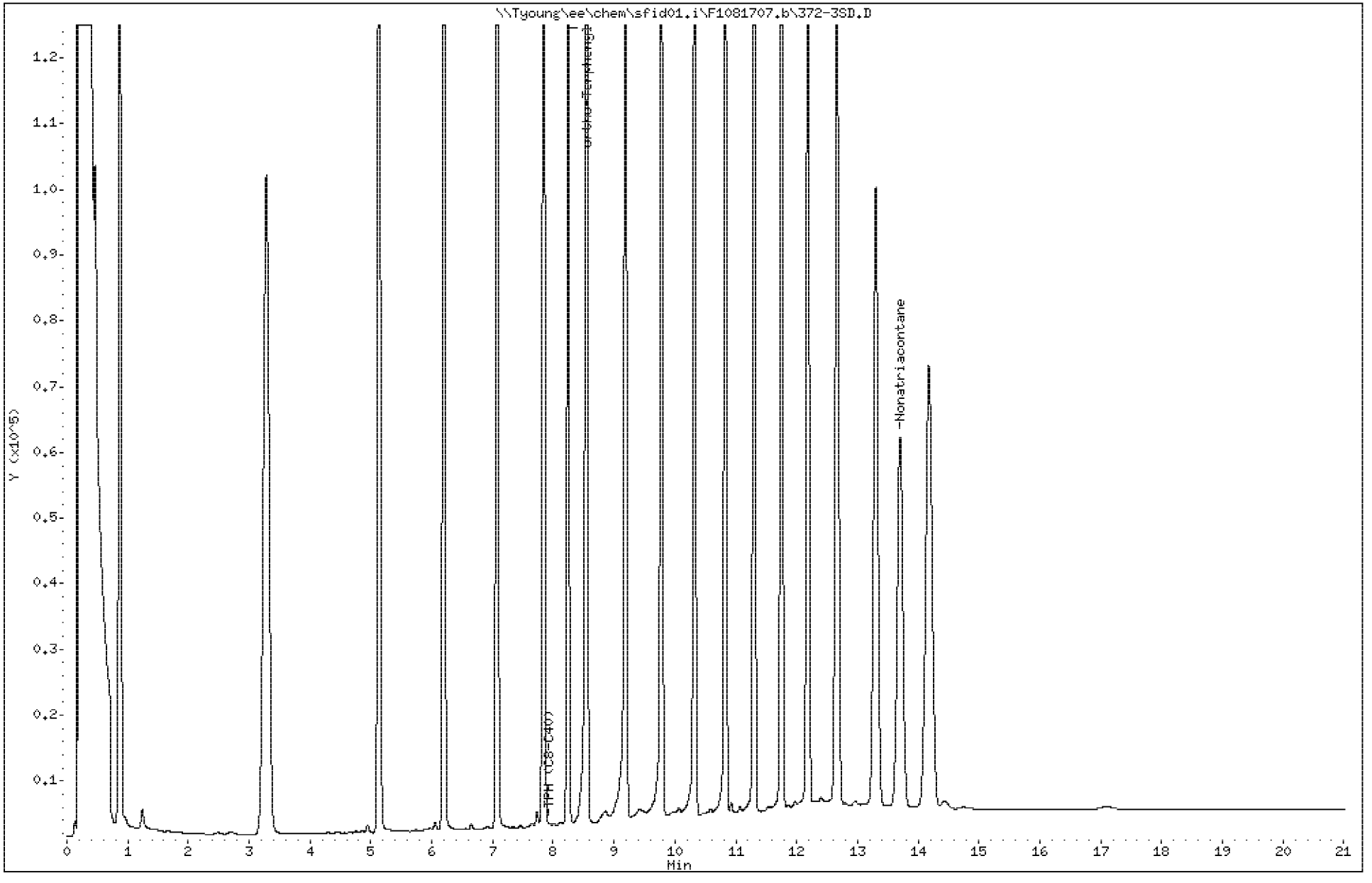
Sample Info: 250737203

Volume Injected (uL): 900.0

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1081707.b\PROCCV5.D
Lab Smp Id: 20228 Client Smp ID: PROCCV5
Inj Date : 18-AUG-2007 00:25
Operator : PEL Inst ID: sfid01.i
Smp Info : 20228
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1081707.b\FLPRO.m
Meth Date : 20-Aug-2007 11:35 jacker Quant Type: ESTD
Cal Date : 03-AUG-2007 15:15 Cal File: PROCAL1.D
Als bottle: 91 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: FIDQUANT

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1000.000	Sample Initial Volume
Vf	2.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	15.000		47240549	1.70000	1.6(M)
$ 2 ortho-Terphenyl	8.243	8.243	0.000	1339103	0.05000	0.044(M)
$ 3 Nonatriacontane	13.706	13.730	-0.024	1564720	0.07500	0.062(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1081707.b\PROCCV5.D

Date : 18-AUG-2007 00:25

Client ID: PROCCV5

Instrument: sfid01.i

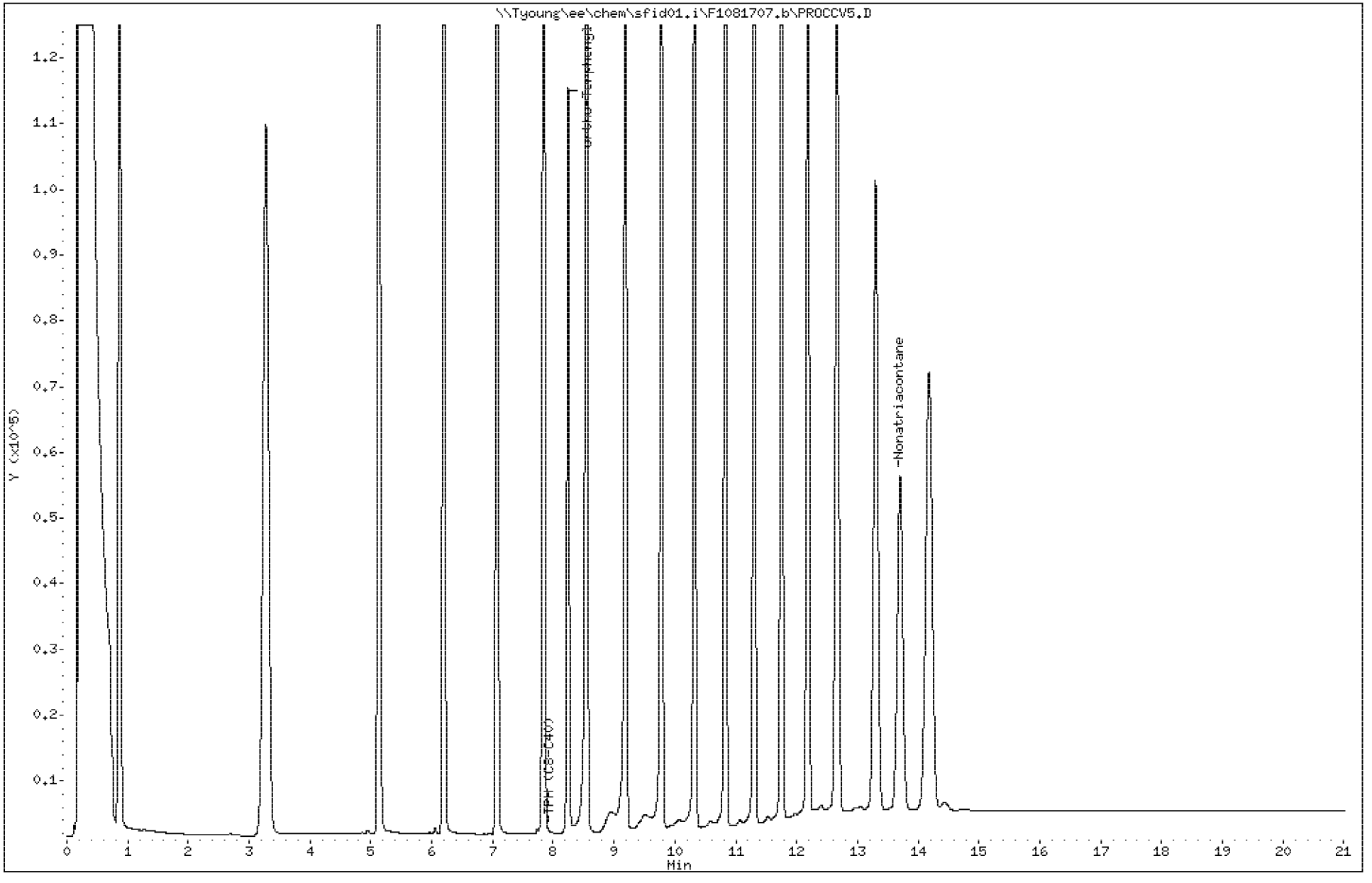
Sample Info: 20228

Volume Injected (uL): 1000.0

Operator: PEL

Column phase: RTX-5

Column diameter: 0.53



PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1081707.b\372-4.D
Lab Smp Id: 250737204 Client Smp ID: TO05MW40B
Inj Date : 18-AUG-2007 00:54
Operator : PEL Inst ID: sfid01.i
Smp Info : 250737204
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1081707.b\FLPRO.m
Meth Date : 20-Aug-2007 11:35 jacker Quant Type: ESTD
Cal Date : 03-AUG-2007 15:15 Cal File: PROCAL1.D
Als bottle: 41
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVECD04

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	935.000	Sample Initial Volume
Vf	2.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

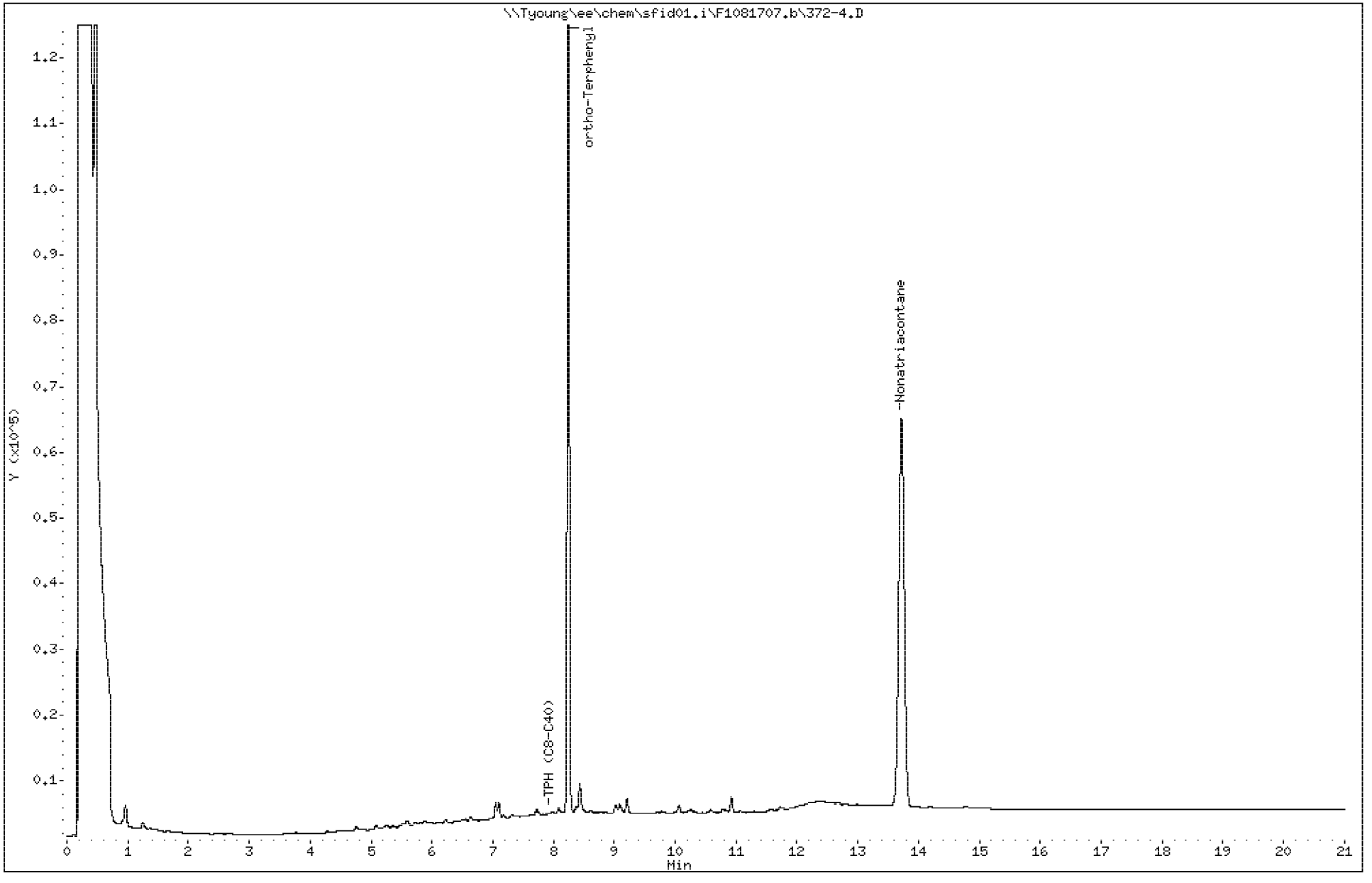
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/ml)	FINAL (mg/L)
S 1 TPH (C8-C40)	0.900	-15.000		3449137	0.11891	0.25(M)
$ 2 ortho-Terphenyl	8.246	8.243	0.003	1540975	0.05012	0.11(M)
$ 3 Nonatriacontane	13.723	13.730	-0.007	1831450	0.07294	0.16(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1081707.b\372-4.D
Date : 18-AUG-2007 00:54
Client ID: TO05MW40B
Sample Info: 250737204
Volume Injected (uL): 935.0
Column phase: RTX-5

Instrument: sfid01.i
Operator: PEL
Column diameter: 0.53



AO-459

2507372

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1081707.b\372-5.D
Lab Smp Id: 250737205 Client Smp ID: TO05FD02
Inj Date : 18-AUG-2007 01:22
Operator : PEL Inst ID: sfid01.i
Smp Info : 250737205
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1081707.b\FLPRO.m
Meth Date : 20-Aug-2007 11:35 jacker Quant Type: ESTD
Cal Date : 03-AUG-2007 15:15 Cal File: PROCAL1.D
Als bottle: 42
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVECD04

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	935.000	Sample Initial Volume
Vf	2.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

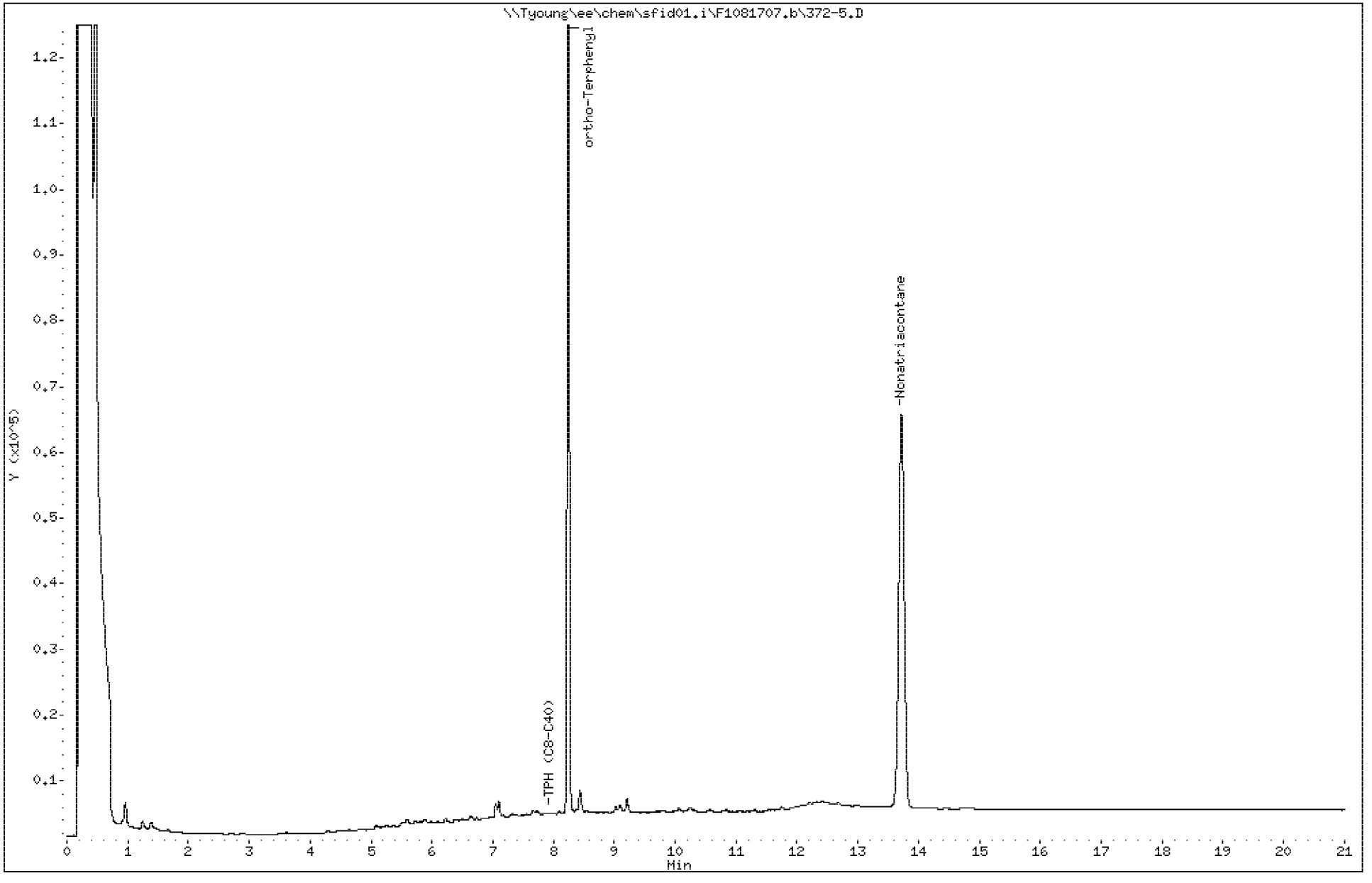
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/ml)	FINAL (mg/L)
S 1 TPH (C8-C40)	0.900	-15.000		3993392	0.13767	0.29(M)
$ 2 ortho-Terphenyl	8.243	8.243	0.000	1587430	0.05163	0.11(M)
$ 3 Nonatriacontane	13.720	13.730	-0.010	1854995	0.07387	0.16(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1081707.b\372-5.D
Date : 18-AUG-2007 01:22
Client ID: TO05FD02
Sample Info: 250737205
Volume Injected (uL): 935.0
Column phase: RTX-5

Instrument: sfid01.i
Operator: PEL
Column diameter: 0.53



AO-461

2507372

PEL Laboratories, Inc.

Data file : \\Tyoung\ee\chem\sfid01.i\F1081707.b\PROCCV6.D
Lab Smp Id: 20392 Client Smp ID: PROCCV6
Inj Date : 18-AUG-2007 05:41
Operator : PEL Inst ID: sfid01.i
Smp Info : 20392
Misc Info : Florida PRO
Comment :
Method : \\Tyoung\ee\chem\sfid01.i\F1081707.b\FLPRO.m
Meth Date : 20-Aug-2007 11:35 jacker Quant Type: ESTD
Cal Date : 03-AUG-2007 15:15 Cal File: PROCAL1.D
Als bottle: 94 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: SVECD04

Concentration Formula: Amt * DF * (1/(Vi/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1000.000	Sample Initial Volume
Vf	2.000	Final Extract Volume
Cpnd Variable		Local Compound Variable

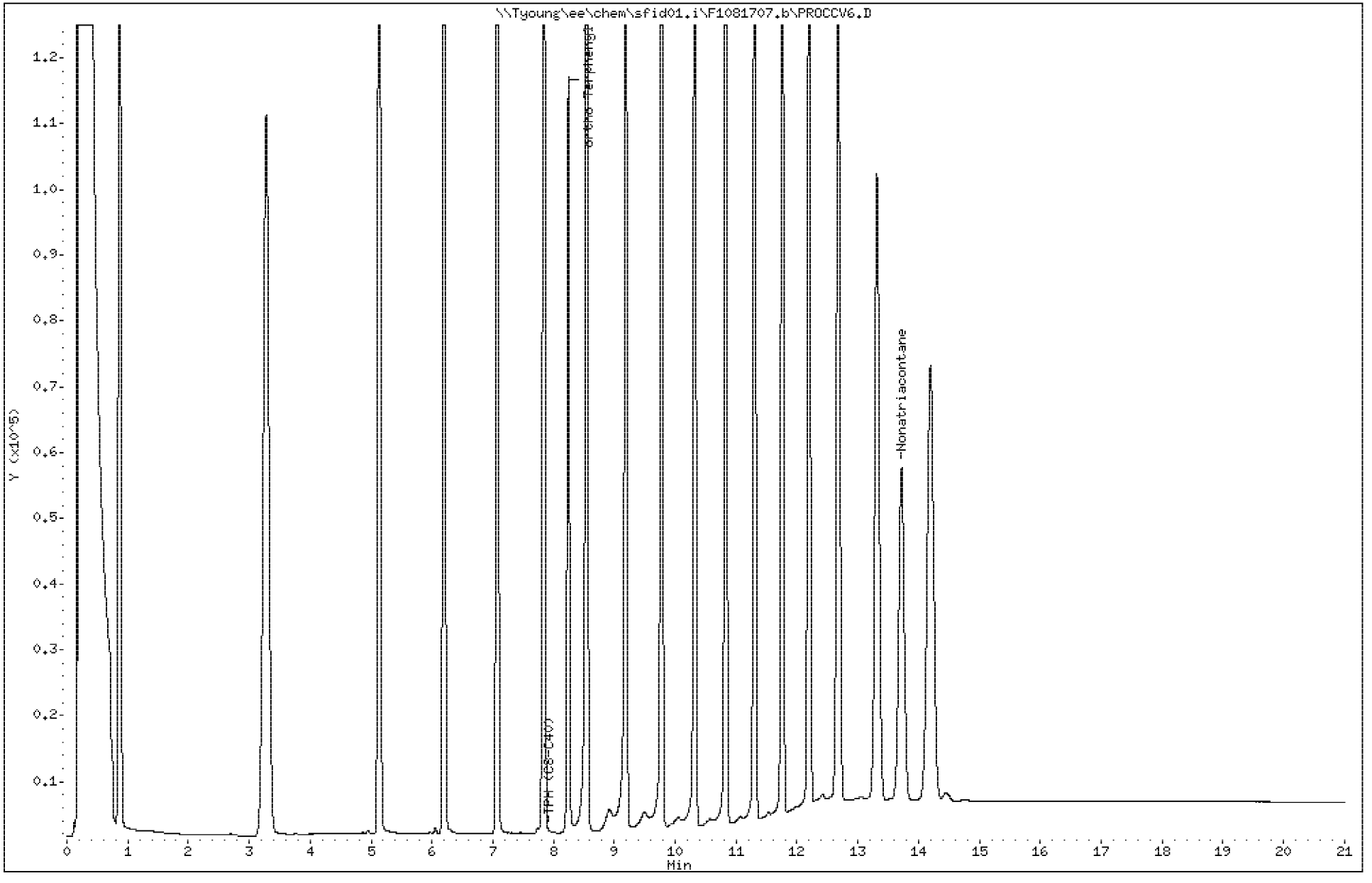
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/ml)	AMOUNTS ON-COL (mg/ml)
S 1 TPH (C8-C40)	0.900	15.000		47691959	1.70000	1.6(M)
$ 2 ortho-Terphenyl	8.246	8.243	0.003	1343247	0.05000	0.044(M)
$ 3 Nonatriacontane	13.723	13.730	-0.007	1549048	0.07500	0.062(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Tyoung\ee\chem\sfid01.i\F1081707.b\PROCCV6.D
Date : 18-AUG-2007 05:41
Client ID: PROCCV6
Sample Info: 20392
Volume Injected (uL): 1000.0
Column phase: RTX-5

Instrument: sfid01.i
Operator: PEL
Column diameter: 0.53



AO-463

2507372

Raw Data Inorganics/Metals

Metals Digestion Log

Prepared by: JK

Date Prepared: 8/17/7

Reagents: PM#
HNO_3 225
HCl 226
H_2O_2 N/A

MAJORS Spike: MET# 19433
MINORS Spike: MET# 20368

LCS/MS/SD Spike amount: 1.00 mL Each
Water Bath Temperature: 94 °C

Thermometer ID: 11873
Dig Tube: A702LS135

Method (Circle one)
Water: 3010A = ICP
3020 = Furnace
3005A = Total Recoverable
ILMO5.2 = CLP
Soil:
3050B = ICP or Furnace
ILMO5.2 = CLP

PREP ID # 081707 B
Start Time: 1830
Stop Time: 081807 1230 BMD

	Container #	Sample ID	ID	Initial Weight (g) or Volume (mL) 3 SigFig	Final volume (mL)	Spike Verification	Comment or Notification:	BATCH#: 7129
		BLKW081707B	BLK	50.0	50.0 mL			HSN# 247419
		LCSW	LCS					HSN# 20
		LCDW	LCSD					HSN# 21
1	8	2507 372 01					IV 8/30	
1		02	MS					HSN#
1		03	SD					HSN#
2	6	04						
3	3	05						
4	1	2507 374 01					DISSOLVED III 9/6	
5	1	02						
6	2	03						
7	2	04						
8	2	05						
9	1	06						
10	2	07						
11	2	08						
12	2	09						
13	2	10						
14	5	2507 379 01					V 8/31	
15	5	02						
16	11	03						
17	3	04						
18	5	05						
19		GKB/17/7						
20								

W:\metals\LogBooks\MetDigLog_1106_TEMPLATE
REV 01/06

==========

Sequence No.: 1
Sample ID: STD1-Blank
Analyst:
Logged In Analyst (Original) : inorg
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 8/21/2007 3:01:19 PM
Data Type: Reprocessed on 8/21/2007 3:59:07 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: STD1-Blank

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1188808.2	7391.49	0.62%	100	%
Sc Radial	205457.2	1181.10	0.57%	100	%
Ag 328.068†	40.6	15.21	37.41%	[0.00]	ug/L
Al 308.215†	101.9	5.96	5.85%	[0.00]	ug/L
As 188.979†	-2.3	1.13	49.69%	[0.00]	ug/L
Ba 233.527†	-69.5	5.48	7.89%	[0.00]	ug/L
Be 234.861†	-95.0	3.16	3.33%	[0.00]	ug/L
Ca 315.887†	-54.2	10.17	18.77%	[0.00]	ug/L
Cd 226.502†	-6.4	0.99	15.46%	[0.00]	ug/L
Co 228.616†	-31.5	3.85	12.21%	[0.00]	ug/L
Cr 267.716†	33.0	4.36	13.21%	[0.00]	ug/L
Cu 324.752†	3824.1	12.20	0.32%	[0.00]	ug/L
Fe 259.939†	60.4	0.62	1.02%	[0.00]	ug/L
K 766.490†	209.1	23.18	11.09%	[0.00]	ug/L
Li 460.286†	108.2	37.15	34.34%	[0.00]	ug/L
Mg 279.077†	27.1	7.18	26.54%	[0.00]	ug/L
Mn 257.610†	154.5	5.30	3.43%	[0.00]	ug/L
Mo 202.031†	-4.8	0.41	8.43%	[0.00]	ug/L
Na 589.592†	3131.5	14.02	0.45%	[0.00]	ug/L
Ni 231.604†	-24.2	3.54	14.62%	[0.00]	ug/L
Pb 220.353†	2.3	1.74	76.01%	[0.00]	ug/L
Sb 206.836†	7.8	0.82	10.54%	[0.00]	ug/L
Se 196.026†	-0.4	1.49	418.22%	[0.00]	ug/L
Sn 189.927†	2.7	1.01	37.29%	[0.00]	ug/L
Sr 421.552†	99.9	12.47	12.47%	[0.00]	ug/L
Ti 334.940†	-186.0	6.57	3.53%	[0.00]	ug/L
Tl 190.801†	-1.5	2.43	158.91%	[0.00]	ug/L
V 292.402†	-0.7	3.55	508.79%	[0.00]	ug/L
Zn 206.200†	19.8	2.30	11.64%	[0.00]	ug/L

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Sequence No.: 2
Sample ID: Calib Std 1Maj
Analyst:
Logged In Analyst (Original) : inorg
Initial Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 8/21/2007 3:05:44 PM
Data Type: Reprocessed on 8/21/2007 3:59:08 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 1Maj

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1152498.1	2711.46	0.24%	96.9	%
Sc Radial	201300.2	569.51	0.28%	98.0	%
Al 308.215†	40.9	8.76	21.40%	[25]	ug/L
Ba 233.527†	42.6	0.96	2.27%	[0.5]	ug/L
Be 234.861†	50.1	0.59	1.19%	[0.5]	ug/L
Ca 315.887†	256.1	11.12	4.34%	[25]	ug/L
Cd 226.502†	2.6	1.03	39.59%	[0.5]	ug/L
Co 228.616†	6.0	2.83	47.17%	[0.5]	ug/L
Fe 259.939†	471.1	4.14	0.88%	[40]	ug/L
K 766.490†	91.5	25.95	28.37%	[25]	ug/L
Mg 279.077†	196.8	7.45	3.79%	[25]	ug/L
Na 589.592†	120.0	39.16	32.64%	[25]	ug/L
Sr 421.552†	364.5	2.51	0.69%	[0.4]	ug/L
Ti 334.940†	160.7	8.00	4.97%	[0.4]	ug/L
V 292.402†	13.4	4.83	36.11%	[0.5]	ug/L

==========

Sequence No.: 3
Sample ID: Calib Std 1
Analyst:
Logged In Analyst (Original) : inorg
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 8/21/2007 3:09:53 PM
Data Type: Reprocessed on 8/21/2007 3:59:09 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1158619.5	5737.40	0.50%	97.5	%
Sc Radial	201283.9	797.43	0.40%	98.0	%
Ag 328.068†	437.4	13.32	3.05%	[5]	ug/L
Al 308.215†	740.4	12.21	1.65%	[250]	ug/L
As 188.979†	1.7	1.38	83.06%	[5]	ug/L
Ba 233.527†	333.0	2.11	0.63%	[5]	ug/L
Be 234.861†	495.7	0.41	0.08%	[5]	ug/L
Ca 315.887†	2437.6	16.38	0.67%	[250]	ug/L
Cd 226.502†	20.8	1.06	5.08%	[5]	ug/L
Co 228.616†	65.7	2.86	4.35%	[5]	ug/L
Cr 267.716†	87.1	3.11	3.57%	[5]	ug/L
Cu 324.752†	1255.6	30.59	2.44%	[5]	ug/L
Fe 259.939†	4934.2	23.72	0.48%	[400]	ug/L
K 766.490†	1360.2	13.56	1.00%	[250]	ug/L
Li 460.286†	656.8	27.15	4.13%	[50]	ug/L
Mg 279.077†	1844.0	13.06	0.71%	[250]	ug/L
Mn 257.610†	1695.7	13.03	0.77%	[5]	ug/L
Mo 202.031†	10.9	4.31	39.54%	[5]	ug/L
Na 589.592†	2904.4	48.78	1.68%	[250]	ug/L
Ni 231.604†	30.7	2.66	8.68%	[5]	ug/L
Pb 220.353†	3.4	3.88	115.17%	[5]	ug/L
Sb 206.836†	1.6	0.62	37.93%	[5]	ug/L
Se 196.026†	0.1	1.64	>999.9%	[5]	ug/L
Sn 189.927†	0.2	1.48	728.90%	[4]	ug/L
Sr 421.552†	3929.1	34.78	0.89%	[4]	ug/L
Ti 334.940†	1435.4	22.84	1.59%	[4]	ug/L
Tl 190.801†	3.5	2.86	82.03%	[5]	ug/L
V 292.402†	102.4	2.31	2.26%	[5]	ug/L
Zn 206.200†	42.6	1.25	2.93%	[5]	ug/L

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Sequence No.: 4 **Autosampler Location: 3**
Sample ID: Calib Std 2 **Date Collected: 8/21/2007 3:14:22 PM**
Analyst: **Data Type: Reprocessed on 8/21/2007 3:59:10 PM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: Calib Std 2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1160025.7	1197.28	0.10%	97.6	%
Sc Radial	201369.5	899.01	0.45%	98.0	%
Ag 328.068†	3228.5	14.70	0.46%	[50]	ug/L
Al 308.215†	7510.2	9.40	0.13%	[2500]	ug/L
As 188.979†	32.5	1.60	4.92%	[50]	ug/L
Ba 233.527†	3202.9	9.81	0.31%	[50]	ug/L
Be 234.861†	4952.1	26.71	0.54%	[50]	ug/L
Ca 315.887†	22355.8	26.17	0.12%	[2500]	ug/L
Cd 226.502†	176.6	3.12	1.77%	[50]	ug/L
Co 228.616†	630.1	6.33	1.00%	[50]	ug/L
Cr 267.716†	923.5	4.40	0.48%	[50]	ug/L
Cu 324.752†	12773.2	25.52	0.20%	[50]	ug/L
Fe 259.939†	47610.5	153.88	0.32%	[4000]	ug/L
K 766.490†	13108.8	91.98	0.70%	[2500]	ug/L
Li 460.286†	6957.2	53.75	0.77%	[500]	ug/L
Mg 279.077†	18373.9	75.67	0.41%	[2500]	ug/L
Mn 257.610†	15159.6	30.13	0.20%	[50]	ug/L
Mo 202.031†	89.7	2.42	2.70%	[50]	ug/L
Na 589.592†	29907.9	33.64	0.11%	[2500]	ug/L
Ni 231.604†	264.7	4.44	1.68%	[50]	ug/L
Pb 220.353†	36.2	0.90	2.49%	[50]	ug/L
Sb 206.836†	42.4	3.11	7.33%	[50]	ug/L
Se 196.026†	15.0	1.46	9.78%	[50]	ug/L
Sn 189.927†	22.6	0.66	2.90%	[40]	ug/L
Sr 421.552†	37768.7	55.15	0.15%	[40]	ug/L
Ti 334.940†	14473.3	15.37	0.11%	[40]	ug/L
Tl 190.801†	36.0	2.83	7.86%	[50]	ug/L
V 292.402†	957.7	5.78	0.60%	[50]	ug/L
Zn 206.200†	271.0	3.35	1.24%	[50]	ug/L

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Sequence No.: 5
Sample ID: Calib Std 3
Analyst:
Logged In Analyst (Original) : inorg
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 8/21/2007 3:18:20 PM
Data Type: Reprocessed on 8/21/2007 3:59:11 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1136323.7	1714.55	0.15%	95.6	%
Sc Radial	201895.3	474.62	0.24%	98.3	%
Ag 328.068†	32316.7	109.02	0.34%	[500]	ug/L
Al 308.215†	72785.9	69.42	0.10%	[25000]	ug/L
As 188.979†	318.1	2.04	0.64%	[500]	ug/L
Ba 233.527†	31066.5	105.25	0.34%	[500]	ug/L
Be 234.861†	48975.6	213.71	0.44%	[500]	ug/L
Ca 315.887†	212802.0	516.49	0.24%	[25000]	ug/L
Cd 226.502†	1698.3	10.37	0.61%	[500]	ug/L
Co 228.616†	5914.9	12.36	0.21%	[500]	ug/L
Cr 267.716†	8807.9	39.37	0.45%	[500]	ug/L
Cu 324.752†	126581.4	268.93	0.21%	[500]	ug/L
Fe 259.939†	449808.4	1458.73	0.32%	[40000]	ug/L
K 766.490†	124239.5	131.48	0.11%	[25000]	ug/L
Li 460.286†	74008.7	114.64	0.15%	[5000]	ug/L
Mg 279.077†	173112.4	635.10	0.37%	[25000]	ug/L
Mn 257.610†	143669.3	206.55	0.14%	[500]	ug/L
Mo 202.031†	840.1	5.71	0.68%	[500]	ug/L
Na 589.592†	291093.4	1451.91	0.50%	[25000]	ug/L
Ni 231.604†	2503.8	8.22	0.33%	[500]	ug/L
Pb 220.353†	365.7	2.48	0.68%	[500]	ug/L
Sb 206.836†	420.9	3.81	0.90%	[500]	ug/L
Se 196.026†	141.8	1.26	0.89%	[500]	ug/L
Sn 189.927†	266.7	4.58	1.72%	[400]	ug/L
Sr 421.552†	362948.2	1865.09	0.51%	[400]	ug/L
Ti 334.940†	140647.0	222.62	0.16%	[400]	ug/L
Tl 190.801†	361.8	3.83	1.06%	[500]	ug/L
V 292.402†	9236.9	12.78	0.14%	[500]	ug/L
Zn 206.200†	2659.1	1.39	0.05%	[500]	ug/L

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Sequence No.: 6 **Autosampler Location: 9**
Sample ID: Calib Std 4 **Date Collected: 8/21/2007 3:22:20 PM**
Analyst: **Data Type: Reprocessed on 8/21/2007 3:59:12 PM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: Calib Std 4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1075024.4	998.78	0.09%	90.4	%
Sc Radial	193132.3	486.48	0.25%	94.0	%
Al 308.215†	721812.4	542.42	0.08%	[250000]	ug/L
As 188.979†	3026.6	9.60	0.32%	[5000]	ug/L
Ba 233.527†	282573.0	759.91	0.27%	[5000]	ug/L
Be 234.861†	469497.3	829.60	0.18%	[5000]	ug/L
Ca 315.887†	2037194.6	4584.49	0.23%	[250000]	ug/L
Cd 226.502†	14449.3	11.02	0.08%	[5000]	ug/L
Co 228.616†	52309.4	174.78	0.33%	[5000]	ug/L
Cr 267.716†	80939.4	162.35	0.20%	[5000]	ug/L
Cu 324.752†	1269447.3	2496.56	0.20%	[5000]	ug/L
Fe 259.939†	3965195.0	1329.81	0.03%	[400000]	ug/L
K 766.490†	1257477.7	897.75	0.07%	[250000]	ug/L
Mg 279.077†	1508970.6	2343.37	0.16%	[250000]	ug/L
Mn 257.610†	1268946.0	2791.73	0.22%	[5000]	ug/L
Mo 202.031†	7701.8	8.06	0.10%	[5000]	ug/L
Na 589.592†	2841893.6	4186.45	0.15%	[250000]	ug/L
Ni 231.604†	21750.7	47.92	0.22%	[5000]	ug/L
Pb 220.353†	3237.3	23.42	0.72%	[5000]	ug/L
Sb 206.836†	4033.2	16.11	0.40%	[5000]	ug/L
Se 196.026†	1342.5	4.74	0.35%	[5000]	ug/L
Sn 189.927†	2453.2	17.91	0.73%	[4000]	ug/L
Sr 421.552†	3464564.2	4315.64	0.12%	[4000]	ug/L
Ti 334.940†	1307503.7	2136.80	0.16%	[4000]	ug/L
Tl 190.801†	2978.2	15.39	0.52%	[5000]	ug/L
V 292.402†	85927.1	116.91	0.14%	[5000]	ug/L
Zn 206.200†	23178.6	54.49	0.24%	[5000]	ug/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	3	Wt. Lin	120.3	63.33	0.00000	0.999825	
Al 308.215	5	Wt. Lin	-33.1	2.975	0.00000	0.999587	
As 188.979	4	Wt. Lin	-1.5	0.6405	0.00000	0.998757	
Ba 233.527	5	Wt. Lin	11.9	61.59	0.00000	0.998677	
Be 234.861	5	Wt. Lin	1.5	97.38	0.00000	0.999759	
Ca 315.887	5	Wt. Lin	38.9	8.774	0.00000	0.998004	
Cd 226.502	5	Wt. Lin	0.9	3.432	0.00000	0.993180	
Co 228.616	5	Wt. Lin	0.1	11.97	0.00000	0.996287	
Cr 267.716	4	Wt. Lin	0.7	17.38	0.00000	0.998430	
Cu 324.752	4	Wt. Lin	-14.8	254.2	0.00000	0.999990	
Fe 259.939	5	Wt. Lin	22.9	11.31	0.00000	0.996654	
K 766.490	5	Wt. Lin	-37.6	5.203	0.00000	0.998833	
Li 460.286	3	Wt. Lin	-67.6	14.45	0.00000	0.999603	
Mg 279.077	5	Wt. Lin	25.8	6.882	0.00000	0.996991	
Mn 257.610	4	Wt. Lin	312.8	278.5	0.00000	0.997630	
Mo 202.031	4	Wt. Lin	2.7	1.648	0.00000	0.998624	
Na 589.592	5	Wt. Lin	-174.5	11.83	0.00000	0.999504	
Ni 231.604	4	Wt. Lin	6.7	4.823	0.00000	0.997158	
Pb 220.353	4	Wt. Lin	-0.1	0.7009	0.00000	0.998372	
Sb 206.836	4	Wt. Lin	-2.6	0.8496	0.00000	0.998920	
Se 196.026	4	Wt. Lin	-1.4	0.2927	0.00000	0.996354	
Sn 189.927	4	Wt. Lin	-2.4	0.6374	0.00000	0.999135	
Sr 421.552	5	Wt. Lin	-2.5	923.6	0.00000	0.998832	
Ti 334.940	5	Wt. Lin	21.7	348.1	0.00000	0.999274	
Tl 190.801	4	Wt. Lin	0.1	0.6774	0.00000	0.995926	
V 292.402	5	Wt. Lin	4.1	18.57	0.00000	0.998705	
Zn 206.200	4	Wt. Lin	17.7	4.990	0.00000	0.998416	

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Sequence No.: 7 **Autosampler Location: 6**
Sample ID: ICV **Date Collected: 8/21/2007 3:29:48 PM**
Analyst: **Data Type: Reprocessed on 8/21/2007 3:59:13 PM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1144853.4	96.3	%	0.14				0.15%
Sc Radial	204725.8	99.6	%	0.40				0.40%
Ag 328.068†	10240.0	162	ug/L	1.2	162	ug/L	1.2	0.73%
QC value within limits for Ag 328.068 Recovery = 101.15%								
Al 308.215†	114813.2	38600	ug/L	38.4	38600	ug/L	38.4	0.10%
QC value within limits for Al 308.215 Recovery = 96.52%								
As 188.979†	243.9	388	ug/L	1.8	388	ug/L	1.8	0.46%
QC value within limits for As 188.979 Recovery = 96.96%								
Ba 233.527†	73358.5	1190	ug/L	2.0	1190	ug/L	2.0	0.17%
QC value within limits for Ba 233.527 Recovery = 99.25%								
Be 234.861†	38882.9	398	ug/L	2.7	398	ug/L	2.7	0.67%
QC value within limits for Be 234.861 Recovery = 99.39%								
Ca 315.887†	329100.0	37500	ug/L	42.3	37500	ug/L	42.3	0.11%
QC value within limits for Ca 315.887 Recovery = 93.76%								
Cd 226.502†	1364.5	391	ug/L	3.9	391	ug/L	3.9	0.99%
QC value within limits for Cd 226.502 Recovery = 97.63%								
Co 228.616†	4584.2	382	ug/L	1.1	382	ug/L	1.1	0.28%
QC value within limits for Co 228.616 Recovery = 95.51%								
Cr 267.716†	6777.4	390	ug/L	1.3	390	ug/L	1.3	0.32%
QC value within limits for Cr 267.716 Recovery = 97.39%								
Cu 324.752†	98763.2	390	ug/L	0.7	390	ug/L	0.7	0.17%
QC value within limits for Cu 324.752 Recovery = 97.44%								
Fe 259.939†	453312.6	40100	ug/L	35.8	40100	ug/L	35.8	0.09%
QC value within limits for Fe 259.939 Recovery = 100.22%								
K 766.490†	197366.4	37900	ug/L	35.1	37900	ug/L	35.1	0.09%
QC value within limits for K 766.490 Recovery = 94.85%								
Li 460.286†	56218.0	3690	ug/L	7.6	3690	ug/L	7.6	0.21%
Mg 279.077†	265662.3	38600	ug/L	199.6	38600	ug/L	199.6	0.52%
QC value within limits for Mg 279.077 Recovery = 96.50%								
Mn 257.610†	112389.4	401	ug/L	0.8	401	ug/L	0.8	0.21%
QC value within limits for Mn 257.610 Recovery = 100.34%								
Mo 202.031†	663.6	404	ug/L	1.2	404	ug/L	1.2	0.29%
QC value within limits for Mo 202.031 Recovery = 101.04%								
Na 589.592†	459591.4	38900	ug/L	25.5	38900	ug/L	25.5	0.07%
QC value within limits for Na 589.592 Recovery = 97.17%								
Ni 231.604†	1931.8	398	ug/L	0.8	398	ug/L	0.8	0.20%
QC value within limits for Ni 231.604 Recovery = 99.52%								
Pb 220.353†	275.8	399	ug/L	13.3	399	ug/L	13.3	3.34%
QC value within limits for Pb 220.353 Recovery = 99.74%								
Sb 206.836†	337.1	399	ug/L	5.1	399	ug/L	5.1	1.27%
QC value within limits for Sb 206.836 Recovery = 99.85%								
Se 196.026†	112.2	392	ug/L	11.0	392	ug/L	11.0	2.80%
QC value within limits for Se 196.026 Recovery = 98.03%								
Sn 189.927†	269.2	428	ug/L	6.0	428	ug/L	6.0	1.40%
QC value within limits for Sn 189.927 Recovery = 107.10%								
Sr 421.552†	339343.2	367	ug/L	0.0	367	ug/L	0.0	0.01%
QC value within limits for Sr 421.552 Recovery = 91.67%								
Ti 334.940†	138492.7	398	ug/L	0.9	398	ug/L	0.9	0.22%
QC value within limits for Ti 334.940 Recovery = 99.44%								
Tl 190.801†	278.7	396	ug/L	5.3	396	ug/L	5.3	1.33%
QC value within limits for Tl 190.801 Recovery = 99.10%								
V 292.402†	7434.4	408	ug/L	0.8	408	ug/L	0.8	0.19%
QC value within limits for V 292.402 Recovery = 101.99%								
Zn 206.200†	2077.3	412	ug/L	0.2	412	ug/L	0.2	0.05%
QC value within limits for Zn 206.200 Recovery = 103.02%								

All analyte(s) passed QC.

Sequence No.: 8 **Autosampler Location: 1**
Sample ID: ICB **Date Collected: 8/21/2007 3:33:30 PM**
Analyst: **Data Type: Reprocessed on 8/21/2007 3:59:14 PM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1183979.2	99.6	%	0.51				0.51%
Sc Radial	205468.1	100	%	1.5				1.47%
Ag 328.068†	26.1	-1.49	ug/L	0.236	-1.49	ug/L	0.236	15.88%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-47.7	-4.90	ug/L	1.866	-4.90	ug/L	1.866	38.04%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-1.1	0.605	ug/L	4.5487	0.605	ug/L	4.5487	752.09%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	2.5	-0.153	ug/L	0.0165	-0.153	ug/L	0.0165	10.76%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-1.2	-0.028	ug/L	0.0246	-0.028	ug/L	0.0246	87.00%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	8.8	-3.43	ug/L	0.189	-3.43	ug/L	0.189	5.52%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	0.8	-0.021	ug/L	0.6739	-0.021	ug/L	0.6739	>999.9%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-1.3	-0.118	ug/L	0.2297	-0.118	ug/L	0.2297	194.59%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	23.2	1.29	ug/L	0.226	1.29	ug/L	0.226	17.49%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-188.1	-0.682	ug/L	0.1024	-0.682	ug/L	0.1024	15.02%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	76.7	4.76	ug/L	0.121	4.76	ug/L	0.121	2.55%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	80.8	22.8	ug/L	4.67	22.8	ug/L	4.67	20.53%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	-94.6	-1.89	ug/L	1.818	-1.89	ug/L	1.818	96.20%
Mg 279.077†	17.9	-1.16	ug/L	2.058	-1.16	ug/L	2.058	178.05%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	18.5	-1.06	ug/L	0.013	-1.06	ug/L	0.013	1.23%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	2.7	-0.023	ug/L	0.8797	-0.023	ug/L	0.8797	>999.9%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-495.4	-27.1	ug/L	3.05	-27.1	ug/L	3.05	11.24%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	6.0	-0.161	ug/L	0.4502	-0.161	ug/L	0.4502	280.21%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-1.0	-1.33	ug/L	3.775	-1.33	ug/L	3.775	284.52%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-0.1	2.90	ug/L	2.141	2.90	ug/L	2.141	73.86%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-1.1	0.717	ug/L	4.1145	0.717	ug/L	4.1145	573.75%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-1.2	1.85	ug/L	5.944	1.85	ug/L	5.944	320.55%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	-10.0	-0.008	ug/L	0.0204	-0.008	ug/L	0.0204	253.41%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	5.9	-0.046	ug/L	0.0249	-0.046	ug/L	0.0249	54.59%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-0.2	-0.422	ug/L	3.1282	-0.422	ug/L	3.1282	741.17%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	6.3	0.120	ug/L	0.2003	0.120	ug/L	0.2003	167.29%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-8.1	-5.16	ug/L	1.065	-5.16	ug/L	1.065	20.62%
QC value less than the lower limit for Zn 206.200 Recovery = Not calculated								

QC Failed. Continue with analysis.

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Sequence No.: 9 **Autosampler Location: 5**
Sample ID: AFCEE CRI **Date Collected: 8/21/2007 3:37:39 PM**
Analyst: **Data Type: Reprocessed on 8/21/2007 3:59:15 PM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: AFCEE CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1173478.7	98.7	%	0.25				0.26%
Sc Radial	205874.1	100	%	0.3				0.30%
Ag 328.068†	635.2	8.15	ug/L	0.056	8.15	ug/L	0.056	0.69%
QC value within limits for Ag 328.068 Recovery = 81.46%								
Al 308.215†	531.6	190	ug/L	3.0	190	ug/L	3.0	1.59%
QC value within limits for Al 308.215 Recovery = 94.91%								
As 188.979†	16.8	28.6	ug/L	4.06	28.6	ug/L	4.06	14.16%
QC value within limits for As 188.979 Recovery = 95.45%								
Ba 233.527†	637.9	10.2	ug/L	0.05	10.2	ug/L	0.05	0.54%
QC value within limits for Ba 233.527 Recovery = 101.70%								
Be 234.861†	389.1	3.98	ug/L	0.029	3.98	ug/L	0.029	0.72%
QC value within limits for Be 234.861 Recovery = 79.56%								
Ca 315.887†	8552.8	970	ug/L	1.1	970	ug/L	1.1	0.11%
QC value within limits for Ca 315.887 Recovery = 97.03%								
Cd 226.502†	18.9	5.19	ug/L	0.659	5.19	ug/L	0.659	12.69%
QC value within limits for Cd 226.502 Recovery = 103.82%								
Co 228.616†	115.2	9.61	ug/L	0.336	9.61	ug/L	0.336	3.49%
QC value within limits for Co 228.616 Recovery = 96.12%								
Cr 267.716†	190.2	10.9	ug/L	0.26	10.9	ug/L	0.26	2.35%
QC value within limits for Cr 267.716 Recovery = 109.12%								
Cu 324.752†	2153.3	8.53	ug/L	0.100	8.53	ug/L	0.100	1.18%
QC value within limits for Cu 324.752 Recovery = 85.32%								
Fe 259.939†	643.6	54.9	ug/L	0.07	54.9	ug/L	0.07	0.13%
QC value within limits for Fe 259.939 Recovery = 109.78%								
K 766.490†	5069.6	982	ug/L	4.9	982	ug/L	4.9	0.50%
QC value within limits for K 766.490 Recovery = 98.16%								
Li 460.286†	238.9	20.8	ug/L	3.09	20.8	ug/L	3.09	14.85%
Mg 279.077†	6919.3	1000	ug/L	2.5	1000	ug/L	2.5	0.25%
QC value within limits for Mg 279.077 Recovery = 100.17%								
Mn 257.610†	2943.9	9.41	ug/L	0.037	9.41	ug/L	0.037	0.40%
QC value within limits for Mn 257.610 Recovery = 94.14%								
Mo 202.031†	25.0	13.5	ug/L	1.87	13.5	ug/L	1.87	13.82%
QC value within limits for Mo 202.031 Recovery = 90.22%								
Na 589.592†	11285.2	969	ug/L	2.3	969	ug/L	2.3	0.23%
QC value within limits for Na 589.592 Recovery = 96.88%								
Ni 231.604†	101.9	19.7	ug/L	0.56	19.7	ug/L	0.56	2.85%
QC value within limits for Ni 231.604 Recovery = 98.65%								
Pb 220.353†	14.6	21.1	ug/L	2.24	21.1	ug/L	2.24	10.60%
QC value within limits for Pb 220.353 Recovery = 84.59%								
Sb 206.836†	40.1	50.3	ug/L	3.70	50.3	ug/L	3.70	7.37%
QC value within limits for Sb 206.836 Recovery = 100.55%								
Se 196.026†	9.2	35.9	ug/L	4.54	35.9	ug/L	4.54	12.63%
QC value within limits for Se 196.026 Recovery = 119.72%								
Sn 189.927†	5.6	12.6	ug/L	1.70	12.6	ug/L	1.70	13.54%
QC value within limits for Sn 189.927 Recovery = 125.83%								
Sr 421.552†	4546.2	4.91	ug/L	0.007	4.91	ug/L	0.007	0.14%
QC value within limits for Sr 421.552 Recovery = 98.11%								
Ti 334.940†	1730.5	4.91	ug/L	0.039	4.91	ug/L	0.039	0.80%
QC value within limits for Ti 334.940 Recovery = 98.17%								
Tl 190.801†	42.7	62.6	ug/L	6.92	62.6	ug/L	6.92	11.06%
QC value within limits for Tl 190.801 Recovery = 104.30%								
V 292.402†	193.4	10.3	ug/L	0.08	10.3	ug/L	0.08	0.75%
QC value within limits for V 292.402 Recovery = 103.35%								
Zn 206.200†	104.9	17.5	ug/L	0.23	17.5	ug/L	0.23	1.32%
QC value within limits for Zn 206.200 Recovery = 87.45%								

All analyte(s) passed QC.

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Sequence No.: 10 **Autosampler Location: 7**
Sample ID: ICSA **Date Collected: 8/21/2007 3:42:07 PM**
Analyst: **Data Type: Reprocessed on 8/21/2007 3:59:16 PM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1112495.0	93.6	%	0.35				0.38%
Sc Radial	197470.0	96.1	%	0.39				0.41%
Ag 328.068†	-450.8	0.087	ug/L	0.3923	0.087	ug/L	0.3923	452.69%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	733231.9	246000	ug/L	1325.7	246000	ug/L	1325.7	0.54%
QC value within limits for Al 308.215 Recovery = 98.60%								
As 188.979†	-8.1	0.008	ug/L	6.9822	0.008	ug/L	6.9822	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-58.4	0.270	ug/L	0.2324	0.270	ug/L	0.2324	86.01%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	898.2	0.490	ug/L	0.2984	0.490	ug/L	0.2984	60.89%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	2072186.8	236000	ug/L	1425.3	236000	ug/L	1425.3	0.60%
QC value within limits for Ca 315.887 Recovery = 94.46%								
Cd 226.502†	134.5	1.18	ug/L	1.242	1.18	ug/L	1.242	105.26%
QC value greater than the upper limit for Cd 226.502 Recovery = Not calculated								
Co 228.616†	70.3	-0.452	ug/L	0.3074	-0.452	ug/L	0.3074	68.03%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	45.3	0.106	ug/L	0.5232	0.106	ug/L	0.5232	495.40%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-1741.9	1.38	ug/L	0.045	1.38	ug/L	0.045	3.23%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	2358395.3	209000	ug/L	918.7	209000	ug/L	918.7	0.44%
QC value within limits for Fe 259.939 Recovery = 92.70%								
K 766.490†	-173.0	-26.0	ug/L	4.76	-26.0	ug/L	4.76	18.28%
Li 460.286†	15685.4	60.1	ug/L	9.18	60.1	ug/L	9.18	15.28%
Mg 279.077†	1601905.5	233000	ug/L	1374.0	233000	ug/L	1374.0	0.59%
QC value within limits for Mg 279.077 Recovery = 93.11%								
Mn 257.610†	2099.4	-0.193	ug/L	0.0231	-0.193	ug/L	0.0231	11.98%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-28.6	-2.54	ug/L	3.882	-2.54	ug/L	3.882	152.61%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-834.4	-55.8	ug/L	3.37	-55.8	ug/L	3.37	6.05%
Ni 231.604†	34.0	-0.106	ug/L	0.9558	-0.106	ug/L	0.9558	902.90%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-14.3	0.009	ug/L	6.7905	0.009	ug/L	6.7905	>999.9%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	5.3	0.016	ug/L	3.4248	0.016	ug/L	3.4248	>999.9%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-8.7	0.063	ug/L	6.8289	0.063	ug/L	6.8289	>999.9%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-9.7	0.587	ug/L	8.9440	0.587	ug/L	8.9440	>999.9%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	2126.9	-2.32	ug/L	0.044	-2.32	ug/L	0.044	1.90%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	128.6	0.307	ug/L	0.1054	0.307	ug/L	0.1054	34.35%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	15.0	3.41	ug/L	8.684	3.41	ug/L	8.684	254.33%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-388.8	-2.00	ug/L	0.270	-2.00	ug/L	0.270	13.49%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	74.6	-1.25	ug/L	1.548	-1.25	ug/L	1.548	124.26%
QC value within limits for Zn 206.200 Recovery = Not calculated								

QC Failed. Continue with analysis.

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Analysis Begun

Start Time: 8/21/2007 3:59:37 PM **Plasma On Time: 8/18/2007 9:19:18 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\administrator\Sample Information\082107A.sif
Batch ID: 082107A
Results Data Set: 082107A
Results Library: D:\pe\administrator\Results\Results.mdb
User canceled analysis.

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Analysis Begun

Start Time: 8/21/2007 3:59:45 PM **Plasma On Time: 8/18/2007 9:19:18 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\administrator\Sample Information\082107A.sif
Batch ID: 082107A
Results Data Set: 082107A
Results Library: D:\pe\administrator\Results\Results.mdb

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Sequence No.: 6 **Autosampler Location: 8**
Sample ID: ICSAB **Date Collected: 8/21/2007 3:59:46 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1103193.7	92.8	%	0.78				0.84%
Sc Radial	201110.9	97.9	%	0.94				0.96%
Ag 328.068†	13002.0	213	ug/L	1.3	213	ug/L	1.3	0.59%
QC value within limits for Ag 328.068 Recovery = 106.47%								
Al 308.215†	734142.5	247000	ug/L	2860.9	247000	ug/L	2860.9	1.16%
QC value within limits for Al 308.215 Recovery = 98.72%								
As 188.979†	44.7	85.9	ug/L	6.13	85.9	ug/L	6.13	7.14%
QC value within limits for As 188.979 Recovery = 85.93%								
Ba 233.527†	29786.0	485	ug/L	5.8	485	ug/L	5.8	1.20%
QC value within limits for Ba 233.527 Recovery = 96.96%								
Be 234.861†	51007.1	515	ug/L	1.7	515	ug/L	1.7	0.33%
QC value within limits for Be 234.861 Recovery = 103.00%								
Ca 315.887†	2064836.7	235000	ug/L	2995.6	235000	ug/L	2995.6	1.27%
QC value within limits for Ca 315.887 Recovery = 94.13%								
Cd 226.502†	3251.0	909	ug/L	7.4	909	ug/L	7.4	0.82%
QC value within limits for Cd 226.502 Recovery = 90.94%								
Co 228.616†	5493.6	452	ug/L	5.7	452	ug/L	5.7	1.26%
QC value within limits for Co 228.616 Recovery = 90.38%								
Cr 267.716†	8558.6	490	ug/L	7.2	490	ug/L	7.2	1.48%
QC value within limits for Cr 267.716 Recovery = 98.03%								
Cu 324.752†	129906.4	519	ug/L	5.0	519	ug/L	5.0	0.97%
QC value within limits for Cu 324.752 Recovery = 103.78%								
Fe 259.939†	2366817.7	209000	ug/L	2246.2	209000	ug/L	2246.2	1.07%
QC value within limits for Fe 259.939 Recovery = 93.03%								
K 766.490†	-107.0	-13.3	ug/L	3.06	-13.3	ug/L	3.06	22.96%
Li 460.286†	31423.1	1140	ug/L	37.9	1140	ug/L	37.9	3.32%
Mg 279.077†	1604666.2	233000	ug/L	3535.8	233000	ug/L	3535.8	1.52%
QC value within limits for Mg 279.077 Recovery = 93.27%								
Mn 257.610†	139980.8	495	ug/L	2.6	495	ug/L	2.6	0.52%
QC value within limits for Mn 257.610 Recovery = 98.98%								
Mo 202.031†	797.2	499	ug/L	12.2	499	ug/L	12.2	2.45%
QC value within limits for Mo 202.031 Recovery = 99.71%								
Na 589.592†	-893.7	-60.8	ug/L	3.82	-60.8	ug/L	3.82	6.28%
Ni 231.604†	4560.7	939	ug/L	5.0	939	ug/L	5.0	0.54%
QC value within limits for Ni 231.604 Recovery = 93.85%								

Pb 220.353†	15.6	45.3 ug/L	6.81	45.3 ug/L	6.81	15.04%
QC value within limits for Pb 220.353 Recovery = 90.64%						
Sb 206.836†	512.4	598 ug/L	9.4	598 ug/L	9.4	1.58%
QC value within limits for Sb 206.836 Recovery = 99.71%						
Se 196.026†	3.5	41.2 ug/L	8.40	41.2 ug/L	8.40	20.41%
QC value within limits for Se 196.026 Recovery = 82.34%						
Sn 189.927†	333.3	539 ug/L	6.5	539 ug/L	6.5	1.20%
QC value within limits for Sn 189.927 Recovery = 107.84%						
Sr 421.552†	441429.7	473 ug/L	6.6	473 ug/L	6.6	1.39%
QC value within limits for Sr 421.552 Recovery = 94.66%						
Ti 334.940†	173568.1	499 ug/L	0.4	499 ug/L	0.4	0.08%
QC value within limits for Ti 334.940 Recovery = 99.71%						
Tl 190.801†	76.3	80.0 ug/L	6.78	80.0 ug/L	6.78	8.47%
QC value within limits for Tl 190.801 Recovery = 80.04%						
V 292.402†	8894.8	503 ug/L	4.6	503 ug/L	4.6	0.91%
QC value within limits for V 292.402 Recovery = 100.63%						
Zn 206.200†	4898.7	967 ug/L	9.1	967 ug/L	9.1	0.94%
QC value within limits for Zn 206.200 Recovery = 96.75%						

All analyte(s) passed QC.

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Sequence No.: 7 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 8/21/2007 4:04:03 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1146931.1	96.5	%	0.18				0.19%
Sc Radial	204439.4	99.5	%	0.32				0.32%
Ag 328.068†	32161.8	508	ug/L	1.9	508	ug/L	1.9	0.37%
QC value within limits for Ag 328.068 Recovery = 101.59%								
Al 308.215†	72312.9	24300	ug/L	18.4	24300	ug/L	18.4	0.08%
QC value within limits for Al 308.215 Recovery = 97.28%								
As 188.979†	318.1	504	ug/L	11.7	504	ug/L	11.7	2.31%
QC value within limits for As 188.979 Recovery = 100.90%								
Ba 233.527†	31104.0	505	ug/L	0.4	505	ug/L	0.4	0.09%
QC value within limits for Ba 233.527 Recovery = 100.98%								
Be 234.861†	48930.5	501	ug/L	0.8	501	ug/L	0.8	0.17%
QC value within limits for Be 234.861 Recovery = 100.15%								
Ca 315.887†	211453.3	24100	ug/L	53.7	24100	ug/L	53.7	0.22%
QC value within limits for Ca 315.887 Recovery = 96.38%								
Cd 226.502†	1701.1	489	ug/L	2.1	489	ug/L	2.1	0.43%
QC value within limits for Cd 226.502 Recovery = 97.86%								
Co 228.616†	5928.2	494	ug/L	1.0	494	ug/L	1.0	0.21%
QC value within limits for Co 228.616 Recovery = 98.72%								
Cr 267.716†	8763.7	504	ug/L	0.7	504	ug/L	0.7	0.14%
QC value within limits for Cr 267.716 Recovery = 100.76%								
Cu 324.752†	125555.6	495	ug/L	1.2	495	ug/L	1.2	0.25%
QC value within limits for Cu 324.752 Recovery = 98.99%								
Fe 259.939†	447779.7	39600	ug/L	42.7	39600	ug/L	42.7	0.11%
QC value within limits for Fe 259.939 Recovery = 99.00%								
K 766.490†	123257.3	23700	ug/L	31.3	23700	ug/L	31.3	0.13%
QC value within limits for K 766.490 Recovery = 94.79%								
Li 460.286†	73290.4	4880	ug/L	8.4	4880	ug/L	8.4	0.17%
Mg 279.077†	171608.1	24900	ug/L	148.8	24900	ug/L	148.8	0.60%
QC value within limits for Mg 279.077 Recovery = 99.73%								
Mn 257.610†	144017.5	515	ug/L	1.0	515	ug/L	1.0	0.20%
QC value within limits for Mn 257.610 Recovery = 103.08%								
Mo 202.031†	849.0	517	ug/L	2.2	517	ug/L	2.2	0.43%
QC value within limits for Mo 202.031 Recovery = 103.32%								
Na 589.592†	286487.9	24200	ug/L	66.1	24200	ug/L	66.1	0.27%
QC value within limits for Na 589.592 Recovery = 96.93%								
Ni 231.604†	2504.9	517	ug/L	0.3	517	ug/L	0.3	0.07%
QC value within limits for Ni 231.604 Recovery = 103.38%								
Pb 220.353†	367.3	528	ug/L	3.8	528	ug/L	3.8	0.72%
QC value within limits for Pb 220.353 Recovery = 105.60%								
Sb 206.836†	419.4	496	ug/L	1.6	496	ug/L	1.6	0.33%
QC value within limits for Sb 206.836 Recovery = 99.30%								
Se 196.026†	137.8	479	ug/L	8.1	479	ug/L	8.1	1.69%
QC value within limits for Se 196.026 Recovery = 95.88%								
Sn 189.927†	266.4	423	ug/L	5.7	423	ug/L	5.7	1.34%
QC value within limits for Sn 189.927 Recovery = 105.82%								
Sr 421.552†	357886.1	387	ug/L	1.1	387	ug/L	1.1	0.27%
QC value within limits for Sr 421.552 Recovery = 96.75%								
Ti 334.940†	139765.9	401	ug/L	0.4	401	ug/L	0.4	0.09%
QC value within limits for Ti 334.940 Recovery = 100.36%								
Tl 190.801†	365.5	521	ug/L	9.2	521	ug/L	9.2	1.76%
QC value within limits for Tl 190.801 Recovery = 104.30%								
V 292.402†	9209.7	505	ug/L	1.2	505	ug/L	1.2	0.24%
QC value within limits for V 292.402 Recovery = 100.96%								
Zn 206.200†	2662.3	530	ug/L	1.4	530	ug/L	1.4	0.26%
QC value within limits for Zn 206.200 Recovery = 106.05%								

All analyte(s) passed QC.

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Sequence No.: 8 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 8/21/2007 4:08:02 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1181369.9	99.4	%	0.20				0.20%
Sc Radial	208487.0	101	%	0.3				0.34%
Ag 328.068†	-15.4	-2.14	ug/L	0.042	-2.14	ug/L	0.042	1.96%
QC value less than the lower limit for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-61.5	-9.52	ug/L	1.247	-9.52	ug/L	1.247	13.09%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-2.1	-0.969	ug/L	2.0367	-0.969	ug/L	2.0367	210.24%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	7.0	-0.079	ug/L	0.0354	-0.079	ug/L	0.0354	44.58%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-2.6	-0.043	ug/L	0.0384	-0.043	ug/L	0.0384	90.15%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	6.4	-3.70	ug/L	1.400	-3.70	ug/L	1.400	37.82%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	0.4	-0.161	ug/L	0.4605	-0.161	ug/L	0.4605	286.30%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-4.6	-0.390	ug/L	0.0446	-0.390	ug/L	0.0446	11.42%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	15.1	0.828	ug/L	0.1970	0.828	ug/L	0.1970	23.80%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-357.6	-1.35	ug/L	0.056	-1.35	ug/L	0.056	4.15%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	47.9	2.21	ug/L	0.157	2.21	ug/L	0.157	7.10%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-141.7	-20.0	ug/L	5.36	-20.0	ug/L	5.36	26.79%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	-118.9	-3.56	ug/L	1.097	-3.56	ug/L	1.097	30.84%
Mg 279.077†	13.1	-1.85	ug/L	0.712	-1.85	ug/L	0.712	38.39%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	9.6	-1.09	ug/L	0.012	-1.09	ug/L	0.012	1.10%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	2.6	-0.052	ug/L	0.7880	-0.052	ug/L	0.7880	>999.9%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-1153.4	-82.8	ug/L	1.30	-82.8	ug/L	1.30	1.57%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	6.5	-0.057	ug/L	0.8256	-0.057	ug/L	0.8256	>999.9%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-3.9	-5.39	ug/L	2.181	-5.39	ug/L	2.181	40.48%
QC value less than the lower limit for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-1.6	1.12	ug/L	2.061	1.12	ug/L	2.061	183.91%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	0.1	5.01	ug/L	0.527	5.01	ug/L	0.527	10.52%
QC value greater than the upper limit for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-2.4	-0.072	ug/L	2.8158	-0.072	ug/L	2.8158	>999.9%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	3.6	0.007	ug/L	0.0023	0.007	ug/L	0.0023	34.94%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	-4.0	-0.074	ug/L	0.0115	-0.074	ug/L	0.0115	15.61%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-1.1	-1.74	ug/L	6.414	-1.74	ug/L	6.414	368.01%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	4.7	0.034	ug/L	0.1956	0.034	ug/L	0.1956	574.81%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-12.1	-5.97	ug/L	0.170	-5.97	ug/L	0.170	2.85%
QC value less than the lower limit for Zn 206.200 Recovery = Not calculated								

QC Failed. Continue with analysis.

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Sequence No.: 9
Sample ID: 250737701
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 38
Date Collected: 8/21/2007 4:12:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250737701

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1179553.2	99.2	%	0.88				0.88%
Sc Radial	211915.0	103	%	0.2				0.16%
Ag 328.068†	-47.3	-2.12	ug/L	0.183	-2.12	ug/L	0.183	8.62%
Al 308.215†	-3.1	10.1	ug/L	0.47	10.1	ug/L	0.47	4.66%
As 188.979†	-2.9	-2.13	ug/L	4.593	-2.13	ug/L	4.593	215.35%
Ba 233.527†	2069.3	34.1	ug/L	0.13	34.1	ug/L	0.13	0.38%
Be 234.861†	-1.7	-0.064	ug/L	0.0016	-0.064	ug/L	0.0016	2.48%
Ca 315.887†	831990.6	94800	ug/L	402.0	94800	ug/L	402.0	0.42%
Cd 226.502†	30.8	4.03	ug/L	1.458	4.03	ug/L	1.458	36.14%
Co 228.616†	0.8	0.071	ug/L	0.1695	0.071	ug/L	0.1695	239.59%
Cr 267.716†	-1.4	-0.121	ug/L	0.1582	-0.121	ug/L	0.1582	130.23%
Cu 324.752†	160.4	2.09	ug/L	0.310	2.09	ug/L	0.310	14.80%
Fe 259.939†	8228.6	726	ug/L	2.9	726	ug/L	2.9	0.40%
K 766.490†	83999.0	16200	ug/L	64.7	16200	ug/L	64.7	0.40%
Li 460.286†	241.3	12.3	ug/L	4.09	12.3	ug/L	4.09	33.36%
Mg 279.077†	12739.3	1850	ug/L	7.3	1850	ug/L	7.3	0.40%
Mn 257.610†	25694.7	91.1	ug/L	1.42	91.1	ug/L	1.42	1.56%
Mo 202.031†	19.4	10.2	ug/L	3.23	10.2	ug/L	3.23	31.72%
Na 589.592†	207263.8	17500	ug/L	80.6	17500	ug/L	80.6	0.46%
Ni 231.604†	26.1	4.01	ug/L	0.055	4.01	ug/L	0.055	1.36%
Pb 220.353†	-10.5	-3.99	ug/L	2.187	-3.99	ug/L	2.187	54.81%
Sb 206.836†	2.5	4.01	ug/L	4.635	4.01	ug/L	4.635	115.46%
Se 196.026†	-2.5	-3.97	ug/L	5.517	-3.97	ug/L	5.517	138.81%
Sn 189.927†	-11.1	-8.93	ug/L	2.438	-8.93	ug/L	2.438	27.31%
Sr 421.552†	1188838.6	1290	ug/L	7.0	1290	ug/L	7.0	0.55%
Ti 334.940†	220.1	0.570	ug/L	0.0830	0.570	ug/L	0.0830	14.58%
Tl 190.801†	3.7	4.88	ug/L	6.514	4.88	ug/L	6.514	133.34%
V 292.402†	25.6	1.31	ug/L	0.201	1.31	ug/L	0.201	15.34%
Zn 206.200†	62.0	9.52	ug/L	0.502	9.52	ug/L	0.502	5.27%

User canceled analysis.

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Analysis Begun

Start Time: 8/21/2007 4:17:41 PM **Plasma On Time: 8/18/2007 9:19:18 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\administrator\Sample Information\082107A.sif
Batch ID: 082107A
Results Data Set: 082107A
Results Library: D:\pe\administrator\Results\Results.mdb

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Sequence No.: 10 **Autosampler Location: 39**
Sample ID: 250738101 **Date Collected: 8/21/2007 4:17:41 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250738101

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1154046.4	97.1	%	0.14				0.15%
Sc Radial	206621.0	101	%	0.1				0.14%
Ag 328.068†	-80.2	-0.665	ug/L	0.3571	-0.665	ug/L	0.3571	53.67%
Al 308.215†	195889.5	65900	ug/L	73.4	65900	ug/L	73.4	0.11%
As 188.979†	-2.3	2.74	ug/L	5.153	2.74	ug/L	5.153	187.88%
Ba 233.527†	6399.6	105	ug/L	0.1	105	ug/L	0.1	0.11%
Be 234.861†	420.1	2.73	ug/L	0.095	2.73	ug/L	0.095	3.47%
Ca 315.887†	1478527.4	169000	ug/L	441.4	169000	ug/L	441.4	0.26%
Cd 226.502†	103.6	17.0	ug/L	0.53	17.0	ug/L	0.53	3.13%
Co 228.616†	122.8	7.97	ug/L	0.302	7.97	ug/L	0.302	3.79%
Cr 267.716†	6118.4	352	ug/L	0.8	352	ug/L	0.8	0.23%
Cu 324.752†	21052.4	86.2	ug/L	0.31	86.2	ug/L	0.31	0.35%
Fe 259.939†	423096.7	37400	ug/L	53.9	37400	ug/L	53.9	0.14%
K 766.490†	35904.6	6910	ug/L	14.4	6910	ug/L	14.4	0.21%
Li 460.286†	3784.0	71.7	ug/L	2.77	71.7	ug/L	2.77	3.86%
Mg 279.077†	337086.6	49000	ug/L	80.8	49000	ug/L	80.8	0.17%
Mn 257.610†	75520.8	269	ug/L	0.7	269	ug/L	0.7	0.28%
Mo 202.031†	4.5	4.08	ug/L	2.794	4.08	ug/L	2.794	68.57%
Na 589.592†	496635.3	42000	ug/L	141.8	42000	ug/L	141.8	0.34%
Ni 231.604†	262.3	52.0	ug/L	1.15	52.0	ug/L	1.15	2.21%
Pb 220.353†	13.2	38.1	ug/L	6.67	38.1	ug/L	6.67	17.50%
Sb 206.836†	6.1	2.55	ug/L	3.242	2.55	ug/L	3.242	127.13%
Se 196.026†	-6.6	-13.7	ug/L	13.27	-13.7	ug/L	13.27	97.05%
Sn 189.927†	-7.8	1.32	ug/L	3.871	1.32	ug/L	3.871	292.66%
Sr 421.552†	411106.8	442	ug/L	1.7	442	ug/L	1.7	0.39%
Ti 334.940†	212803.3	611	ug/L	0.6	611	ug/L	0.6	0.09%
Tl 190.801†	-1.9	-8.58	ug/L	13.992	-8.58	ug/L	13.992	163.12%
V 292.402†	4423.1	242	ug/L	0.8	242	ug/L	0.8	0.31%
Zn 206.200†	2600.9	518	ug/L	0.9	518	ug/L	0.9	0.17%

Sequence No.: 11
Sample ID: 247360
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 40
Date Collected: 8/21/2007 4:21:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 247360

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1181585.3	99.4	%	0.31				0.32%
Sc Radial	209467.8	102	%	0.6				0.57%
Ag 328.068†	-15.6	-2.14	ug/L	0.123	-2.14	ug/L	0.123	5.75%
Al 308.215†	-34.1	-0.327	ug/L	1.5523	-0.327	ug/L	1.5523	474.66%
As 188.979†	-1.4	0.181	ug/L	1.4640	0.181	ug/L	1.4640	809.47%
Ba 233.527†	6.3	-0.091	ug/L	0.0643	-0.091	ug/L	0.0643	70.74%
Be 234.861†	-5.7	-0.074	ug/L	0.0103	-0.074	ug/L	0.0103	13.90%
Ca 315.887†	209.5	19.4	ug/L	0.78	19.4	ug/L	0.78	3.99%
Cd 226.502†	-0.2	-0.331	ug/L	0.4044	-0.331	ug/L	0.4044	122.35%
Co 228.616†	-2.6	-0.224	ug/L	0.3126	-0.224	ug/L	0.3126	139.59%
Cr 267.716†	16.3	0.895	ug/L	0.1429	0.895	ug/L	0.1429	15.96%
Cu 324.752†	-248.2	-0.918	ug/L	0.1208	-0.918	ug/L	0.1208	13.16%
Fe 259.939†	77.7	4.84	ug/L	0.225	4.84	ug/L	0.225	4.66%
K 766.490†	-147.3	-21.1	ug/L	4.19	-21.1	ug/L	4.19	19.87%
Li 460.286†	-123.8	-3.92	ug/L	1.972	-3.92	ug/L	1.972	50.36%
Mg 279.077†	38.8	1.88	ug/L	0.359	1.88	ug/L	0.359	19.08%
Mn 257.610†	15.8	-1.07	ug/L	0.023	-1.07	ug/L	0.023	2.20%
Mo 202.031†	3.6	0.568	ug/L	1.6846	0.568	ug/L	1.6846	296.83%
Na 589.592†	-1279.1	-93.4	ug/L	0.99	-93.4	ug/L	0.99	1.06%
Ni 231.604†	2.4	-0.901	ug/L	0.8350	-0.901	ug/L	0.8350	92.65%
Pb 220.353†	-1.9	-2.60	ug/L	3.737	-2.60	ug/L	3.737	143.62%
Sb 206.836†	-1.7	1.01	ug/L	3.709	1.01	ug/L	3.709	365.47%
Se 196.026†	0.3	5.63	ug/L	4.587	5.63	ug/L	4.587	81.50%
Sn 189.927†	-2.9	-0.914	ug/L	2.0954	-0.914	ug/L	2.0954	229.31%
Sr 421.552†	76.5	0.085	ug/L	0.0228	0.085	ug/L	0.0228	26.83%
Ti 334.940†	74.5	0.151	ug/L	0.0312	0.151	ug/L	0.0312	20.63%
Tl 190.801†	-1.9	-2.91	ug/L	3.394	-2.91	ug/L	3.394	116.64%
V 292.402†	6.9	0.159	ug/L	0.1594	0.159	ug/L	0.1594	100.41%
Zn 206.200†	-6.8	-4.90	ug/L	0.654	-4.90	ug/L	0.654	13.35%

Sequence No.: 12
Sample ID: 247361
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 41
Date Collected: 8/21/2007 4:26:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 247361

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1140976.9	96.0	%	0.23				0.24%
Sc Radial	203446.8	99.0	%	0.10				0.10%
Ag 328.068†	12893.7	204	ug/L	0.5	204	ug/L	0.5	0.24%
Al 308.215†	145704.0	49000	ug/L	100.9	49000	ug/L	100.9	0.21%
As 188.979†	300.8	478	ug/L	7.6	478	ug/L	7.6	1.59%
Ba 233.527†	90922.8	1480	ug/L	6.0	1480	ug/L	6.0	0.41%
Be 234.861†	48378.6	495	ug/L	2.1	495	ug/L	2.1	0.42%
Ca 315.887†	414824.9	47300	ug/L	99.6	47300	ug/L	99.6	0.21%
Cd 226.502†	1695.5	485	ug/L	2.7	485	ug/L	2.7	0.55%
Co 228.616†	5764.8	480	ug/L	1.9	480	ug/L	1.9	0.39%
Cr 267.716†	8693.2	500	ug/L	1.5	500	ug/L	1.5	0.30%
Cu 324.752†	124713.8	492	ug/L	1.6	492	ug/L	1.6	0.32%
Fe 259.939†	567783.8	50200	ug/L	137.8	50200	ug/L	137.8	0.27%
K 766.490†	249042.5	47900	ug/L	35.1	47900	ug/L	35.1	0.07%
Li 460.286†	70392.7	4620	ug/L	16.2	4620	ug/L	16.2	0.35%
Mg 279.077†	328006.8	47700	ug/L	185.3	47700	ug/L	185.3	0.39%
Mn 257.610†	140449.6	502	ug/L	2.9	502	ug/L	2.9	0.57%
Mo 202.031†	857.0	522	ug/L	1.4	522	ug/L	1.4	0.27%
Na 589.592†	583394.5	49300	ug/L	300.7	49300	ug/L	300.7	0.61%
Ni 231.604†	2411.5	497	ug/L	2.5	497	ug/L	2.5	0.50%
Pb 220.353†	356.0	515	ug/L	3.9	515	ug/L	3.9	0.77%
Sb 206.836†	430.8	510	ug/L	4.1	510	ug/L	4.1	0.81%
Se 196.026†	137.3	479	ug/L	5.8	479	ug/L	5.8	1.22%
Sn 189.927†	338.1	537	ug/L	3.6	537	ug/L	3.6	0.67%
Sr 421.552†	445930.2	482	ug/L	0.3	482	ug/L	0.3	0.06%
Ti 334.940†	176355.0	507	ug/L	1.8	507	ug/L	1.8	0.36%
Tl 190.801†	346.3	492	ug/L	10.2	492	ug/L	10.2	2.06%
V 292.402†	9335.0	512	ug/L	1.2	512	ug/L	1.2	0.24%
Zn 206.200†	2590.6	515	ug/L	2.7	515	ug/L	2.7	0.52%

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Sequence No.: 13 **Autosampler Location: 42**
Sample ID: 247362 **Date Collected: 8/21/2007 4:30:21 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 247362

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1149185.9	96.7	%	0.31				0.32%
Sc Radial	205178.4	99.9	%	0.15				0.15%
Ag 328.068†	12703.7	201	ug/L	0.2	201	ug/L	0.2	0.12%
Al 308.215†	142937.1	48100	ug/L	11.1	48100	ug/L	11.1	0.02%
As 188.979†	299.0	475	ug/L	0.9	475	ug/L	0.9	0.19%
Ba 233.527†	91062.8	1480	ug/L	0.9	1480	ug/L	0.9	0.06%
Be 234.861†	48407.1	495	ug/L	1.4	495	ug/L	1.4	0.29%
Ca 315.887†	408128.8	46500	ug/L	95.3	46500	ug/L	95.3	0.20%
Cd 226.502†	1667.1	477	ug/L	2.8	477	ug/L	2.8	0.58%
Co 228.616†	5668.7	472	ug/L	2.9	472	ug/L	2.9	0.60%
Cr 267.716†	8629.8	496	ug/L	0.6	496	ug/L	0.6	0.12%
Cu 324.752†	124141.1	490	ug/L	0.4	490	ug/L	0.4	0.08%
Fe 259.939†	557940.9	49300	ug/L	112.4	49300	ug/L	112.4	0.23%
K 766.490†	245043.1	47100	ug/L	61.8	47100	ug/L	61.8	0.13%
Li 460.286†	69535.7	4570	ug/L	5.8	4570	ug/L	5.8	0.13%
Mg 279.077†	323034.0	46900	ug/L	94.5	46900	ug/L	94.5	0.20%
Mn 257.610†	139958.4	500	ug/L	1.6	500	ug/L	1.6	0.31%
Mo 202.031†	832.4	507	ug/L	1.4	507	ug/L	1.4	0.27%
Na 589.592†	569976.6	48200	ug/L	70.4	48200	ug/L	70.4	0.15%
Ni 231.604†	2367.5	488	ug/L	0.9	488	ug/L	0.9	0.19%
Pb 220.353†	344.5	498	ug/L	14.5	498	ug/L	14.5	2.91%
Sb 206.836†	423.7	501	ug/L	3.2	501	ug/L	3.2	0.64%
Se 196.026†	133.7	466	ug/L	8.8	466	ug/L	8.8	1.89%
Sn 189.927†	329.2	523	ug/L	10.1	523	ug/L	10.1	1.94%
Sr 421.552†	437428.9	473	ug/L	0.6	473	ug/L	0.6	0.13%
Ti 334.940†	173861.9	499	ug/L	0.6	499	ug/L	0.6	0.12%
Tl 190.801†	344.0	489	ug/L	5.5	489	ug/L	5.5	1.12%
V 292.402†	9249.6	508	ug/L	1.4	508	ug/L	1.4	0.28%
Zn 206.200†	2544.0	506	ug/L	3.6	506	ug/L	3.6	0.70%

Sequence No.: 14
Sample ID: 250736301
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 43
Date Collected: 8/21/2007 4:34:05 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250736301

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1180805.0	99.3	%	0.50				0.51%
Sc Radial	208967.4	102	%	0.5				0.51%
Ag 328.068†	-32.8	-2.29	ug/L	0.133	-2.29	ug/L	0.133	5.80%
Al 308.215†	8091.8	2730	ug/L	5.9	2730	ug/L	5.9	0.22%
As 188.979†	-1.6	0.088	ug/L	5.1185	0.088	ug/L	5.1185	>999.9%
Ba 233.527†	599.4	9.55	ug/L	0.067	9.55	ug/L	0.067	0.70%
Be 234.861†	17.5	0.045	ug/L	0.0200	0.045	ug/L	0.0200	44.31%
Ca 315.887†	15972.8	1820	ug/L	6.8	1820	ug/L	6.8	0.37%
Cd 226.502†	2.3	-0.052	ug/L	0.4332	-0.052	ug/L	0.4332	836.19%
Co 228.616†	2.4	-0.056	ug/L	0.1060	-0.056	ug/L	0.1060	190.42%
Cr 267.716†	272.0	15.6	ug/L	0.18	15.6	ug/L	0.18	1.15%
Cu 324.752†	168291.9	662	ug/L	0.5	662	ug/L	0.5	0.07%
Fe 259.939†	32350.9	2860	ug/L	11.3	2860	ug/L	11.3	0.40%
K 766.490†	932.8	187	ug/L	6.6	187	ug/L	6.6	3.56%
Li 460.286†	33.4	-7.28	ug/L	3.822	-7.28	ug/L	3.822	52.50%
Mg 279.077†	2962.0	427	ug/L	1.3	427	ug/L	1.3	0.30%
Mn 257.610†	2720.9	8.65	ug/L	0.064	8.65	ug/L	0.064	0.73%
Mo 202.031†	4.2	1.12	ug/L	0.138	1.12	ug/L	0.138	12.38%
Na 589.592†	1425.7	135	ug/L	0.6	135	ug/L	0.6	0.45%
Ni 231.604†	15.7	1.78	ug/L	0.316	1.78	ug/L	0.316	17.79%
Pb 220.353†	3064.1	4370	ug/L	28.1	4370	ug/L	28.1	0.64%
Sb 206.836†	29.1	37.2	ug/L	2.58	37.2	ug/L	2.58	6.94%
Se 196.026†	-0.2	4.27	ug/L	2.706	4.27	ug/L	2.706	63.30%
Sn 189.927†	0.1	4.08	ug/L	3.462	4.08	ug/L	3.462	84.89%
Sr 421.552†	26897.1	29.1	ug/L	0.03	29.1	ug/L	0.03	0.09%
Ti 334.940†	29298.8	84.1	ug/L	0.46	84.1	ug/L	0.46	0.54%
Tl 190.801†	0.6	0.327	ug/L	4.3741	0.327	ug/L	4.3741	>999.9%
V 292.402†	140.5	7.59	ug/L	0.181	7.59	ug/L	0.181	2.39%
Zn 206.200†	180.2	32.6	ug/L	0.70	32.6	ug/L	0.70	2.14%

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Sequence No.: 15
Sample ID: 250736301L
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 44
Date Collected: 8/21/2007 4:37:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250736301L

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1191089.2	100	%	0.1				0.13%
Sc Radial	209172.7	102	%	0.4				0.39%
Ag 328.068†	-21.8	-2.22	ug/L	0.071	-11.1	ug/L	0.35	3.19%
Al 308.215†	1929.7	660	ug/L	4.8	3300	ug/L	23.8	0.72%
As 188.979†	-1.7	-0.247	ug/L	4.6173	-1.24	ug/L	23.086	>999.9%
Ba 233.527†	142.6	2.12	ug/L	0.076	10.6	ug/L	0.38	3.56%
Be 234.861†	-2.0	-0.060	ug/L	0.0234	-0.302	ug/L	0.1170	38.80%
Ca 315.887†	3246.9	366	ug/L	1.8	1830	ug/L	8.8	0.48%
Cd 226.502†	1.4	0.054	ug/L	0.1403	0.269	ug/L	0.7014	260.55%
Co 228.616†	1.7	-0.009	ug/L	0.2191	-0.045	ug/L	1.0955	>999.9%
Cr 267.716†	66.3	3.76	ug/L	0.280	18.8	ug/L	1.40	7.44%
Cu 324.752†	32341.3	127	ug/L	0.2	636	ug/L	1.0	0.16%
Fe 259.939†	6674.7	588	ug/L	0.9	2940	ug/L	4.5	0.15%
K 766.490†	158.0	37.6	ug/L	2.34	188	ug/L	11.7	6.22%
Li 460.286†	-168.8	-10.0	ug/L	1.58	-50.2	ug/L	7.88	15.69%
Mg 279.077†	668.0	93.3	ug/L	0.18	467	ug/L	0.9	0.20%
Mn 257.610†	622.5	1.11	ug/L	0.053	5.56	ug/L	0.266	4.79%
Mo 202.031†	1.3	-0.814	ug/L	1.3290	-4.07	ug/L	6.645	163.18%
Na 589.592†	-902.7	-61.6	ug/L	0.16	-308	ug/L	0.8	0.26%
Ni 231.604†	7.3	0.108	ug/L	0.3356	0.541	ug/L	1.6779	310.03%
Pb 220.353†	609.2	869	ug/L	5.8	4350	ug/L	29.1	0.67%
Sb 206.836†	2.7	6.26	ug/L	1.580	31.3	ug/L	7.90	25.23%
Se 196.026†	0.2	5.50	ug/L	2.936	27.5	ug/L	14.68	53.40%
Sn 189.927†	-3.0	-0.858	ug/L	0.5308	-4.29	ug/L	2.654	61.89%
Sr 421.552†	5671.2	6.14	ug/L	0.309	30.7	ug/L	1.54	5.03%
Ti 334.940†	21663.1	62.2	ug/L	5.34	311	ug/L	26.7	8.59%
Tl 190.801†	0.2	0.028	ug/L	9.2736	0.140	ug/L	46.3679	>999.9%
V 292.402†	35.6	1.70	ug/L	0.146	8.51	ug/L	0.728	8.55%
Zn 206.200†	29.8	2.43	ug/L	0.699	12.2	ug/L	3.49	28.74%

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Sequence No.: 16
Sample ID: 250736302
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 45
Date Collected: 8/21/2007 4:41:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250736302

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1154814.0	97.1	%	0.09				0.09%
Sc Radial	207069.9	101	%	0.4				0.38%
Ag 328.068†	12634.4	200	ug/L	1.5	200	ug/L	1.5	0.75%
Al 308.215†	151354.1	50900	ug/L	84.5	50900	ug/L	84.5	0.17%
As 188.979†	298.5	475	ug/L	1.5	475	ug/L	1.5	0.31%
Ba 233.527†	90959.6	1480	ug/L	1.5	1480	ug/L	1.5	0.10%
Be 234.861†	48480.1	496	ug/L	2.4	496	ug/L	2.4	0.48%
Ca 315.887†	419015.8	47700	ug/L	88.4	47700	ug/L	88.4	0.19%
Cd 226.502†	1661.6	475	ug/L	2.6	475	ug/L	2.6	0.54%
Co 228.616†	5689.2	474	ug/L	1.0	474	ug/L	1.0	0.22%
Cr 267.716†	8812.8	507	ug/L	1.1	507	ug/L	1.1	0.21%
Cu 324.752†	286124.5	1130	ug/L	2.4	1130	ug/L	2.4	0.22%
Fe 259.939†	587701.1	52000	ug/L	118.0	52000	ug/L	118.0	0.23%
K 766.490†	243912.5	46900	ug/L	35.1	46900	ug/L	35.1	0.07%
Li 460.286†	69533.3	4560	ug/L	14.5	4560	ug/L	14.5	0.32%
Mg 279.077†	324219.1	47100	ug/L	222.3	47100	ug/L	222.3	0.47%
Mn 257.610†	141523.5	506	ug/L	0.7	506	ug/L	0.7	0.15%
Mo 202.031†	831.7	507	ug/L	1.8	507	ug/L	1.8	0.35%
Na 589.592†	569026.7	48100	ug/L	79.3	48100	ug/L	79.3	0.16%
Ni 231.604†	2397.3	494	ug/L	0.9	494	ug/L	0.9	0.17%
Pb 220.353†	3267.1	4670	ug/L	3.4	4670	ug/L	3.4	0.07%
Sb 206.836†	439.2	519	ug/L	0.6	519	ug/L	0.6	0.12%
Se 196.026†	134.7	470	ug/L	7.6	470	ug/L	7.6	1.61%
Sn 189.927†	334.7	532	ug/L	3.4	532	ug/L	3.4	0.63%
Sr 421.552†	461123.8	498	ug/L	0.6	498	ug/L	0.6	0.12%
Ti 334.940†	193096.7	555	ug/L	0.8	555	ug/L	0.8	0.15%
Tl 190.801†	345.5	491	ug/L	14.3	491	ug/L	14.3	2.91%
V 292.402†	9241.2	507	ug/L	0.3	507	ug/L	0.3	0.07%
Zn 206.200†	2702.8	537	ug/L	2.0	537	ug/L	2.0	0.38%

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Sequence No.: 17
Sample ID: 250736303
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 46
Date Collected: 8/21/2007 4:45:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250736303

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1151658.1	96.9	%	0.44				0.46%
Sc Radial	205361.9	100.0	%	0.30				0.30%
Ag 328.068†	12678.7	201	ug/L	0.9	201	ug/L	0.9	0.45%
Al 308.215†	152395.2	51200	ug/L	30.0	51200	ug/L	30.0	0.06%
As 188.979†	295.0	469	ug/L	11.6	469	ug/L	11.6	2.48%
Ba 233.527†	91408.3	1480	ug/L	2.7	1480	ug/L	2.7	0.18%
Be 234.861†	48423.0	495	ug/L	0.5	495	ug/L	0.5	0.10%
Ca 315.887†	422073.9	48100	ug/L	76.7	48100	ug/L	76.7	0.16%
Cd 226.502†	1681.2	481	ug/L	0.5	481	ug/L	0.5	0.11%
Co 228.616†	5685.3	474	ug/L	1.3	474	ug/L	1.3	0.28%
Cr 267.716†	8832.4	508	ug/L	0.8	508	ug/L	0.8	0.16%
Cu 324.752†	286433.3	1130	ug/L	1.0	1130	ug/L	1.0	0.08%
Fe 259.939†	593772.9	52500	ug/L	113.6	52500	ug/L	113.6	0.22%
K 766.490†	246287.1	47300	ug/L	59.1	47300	ug/L	59.1	0.12%
Li 460.286†	69865.3	4580	ug/L	10.1	4580	ug/L	10.1	0.22%
Mg 279.077†	326822.8	47500	ug/L	179.8	47500	ug/L	179.8	0.38%
Mn 257.610†	141796.2	507	ug/L	1.2	507	ug/L	1.2	0.24%
Mo 202.031†	834.1	509	ug/L	5.8	509	ug/L	5.8	1.14%
Na 589.592†	574295.9	48600	ug/L	82.1	48600	ug/L	82.1	0.17%
Ni 231.604†	2403.7	496	ug/L	2.8	496	ug/L	2.8	0.56%
Pb 220.353†	3178.9	4540	ug/L	24.1	4540	ug/L	24.1	0.53%
Sb 206.836†	436.8	516	ug/L	11.2	516	ug/L	11.2	2.17%
Se 196.026†	132.1	462	ug/L	9.4	462	ug/L	9.4	2.03%
Sn 189.927†	336.7	535	ug/L	7.8	535	ug/L	7.8	1.46%
Sr 421.552†	465287.1	503	ug/L	0.8	503	ug/L	0.8	0.15%
Ti 334.940†	198154.6	569	ug/L	0.3	569	ug/L	0.3	0.04%
Tl 190.801†	338.0	480	ug/L	9.7	480	ug/L	9.7	2.03%
V 292.402†	9348.8	513	ug/L	1.5	513	ug/L	1.5	0.29%
Zn 206.200†	2726.2	542	ug/L	2.8	542	ug/L	2.8	0.51%

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Sequence No.: 18
Sample ID: 250736301A
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 47
Date Collected: 8/21/2007 4:49:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250736301A

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1161931.6	97.7	%	0.25				0.26%
Sc Radial	207650.6	101	%	0.3				0.28%
Ag 328.068†	30758.9	486	ug/L	1.9	486	ug/L	1.9	0.38%
Al 308.215†	148951.0	50100	ug/L	76.5	50100	ug/L	76.5	0.15%
As 188.979†	303.4	482	ug/L	1.8	482	ug/L	1.8	0.38%
Ba 233.527†	31190.0	506	ug/L	1.8	506	ug/L	1.8	0.36%
Be 234.861†	46429.9	475	ug/L	1.5	475	ug/L	1.5	0.33%
Ca 315.887†	416053.3	47400	ug/L	121.3	47400	ug/L	121.3	0.26%
Cd 226.502†	1660.4	475	ug/L	2.5	475	ug/L	2.5	0.53%
Co 228.616†	5727.7	477	ug/L	2.6	477	ug/L	2.6	0.54%
Cr 267.716†	8817.8	507	ug/L	3.1	507	ug/L	3.1	0.62%
Cu 324.752†	283022.6	1110	ug/L	0.8	1110	ug/L	0.8	0.07%
Fe 259.939†	571879.1	50600	ug/L	35.4	50600	ug/L	35.4	0.07%
K 766.490†	243205.3	46800	ug/L	98.5	46800	ug/L	98.5	0.21%
Li 460.286†	3969.7	26.5	ug/L	0.52	26.5	ug/L	0.52	1.94%
Mg 279.077†	324114.6	47100	ug/L	71.9	47100	ug/L	71.9	0.15%
Mn 257.610†	139209.1	497	ug/L	2.6	497	ug/L	2.6	0.52%
Mo 202.031†	838.6	511	ug/L	3.9	511	ug/L	3.9	0.76%
Na 589.592†	564972.1	47800	ug/L	139.5	47800	ug/L	139.5	0.29%
Ni 231.604†	2441.3	503	ug/L	3.1	503	ug/L	3.1	0.61%
Pb 220.353†	3189.4	4560	ug/L	16.9	4560	ug/L	16.9	0.37%
Sb 206.836†	447.3	527	ug/L	3.5	527	ug/L	3.5	0.67%
Se 196.026†	137.7	480	ug/L	4.2	480	ug/L	4.2	0.87%
Sn 189.927†	-4.3	-1.01	ug/L	7.216	-1.01	ug/L	7.216	716.95%
Sr 421.552†	29114.3	30.6	ug/L	0.14	30.6	ug/L	0.14	0.46%
Ti 334.940†	28517.7	81.9	ug/L	0.28	81.9	ug/L	0.28	0.35%
Tl 190.801†	344.5	490	ug/L	5.2	490	ug/L	5.2	1.06%
V 292.402†	9211.2	506	ug/L	1.6	506	ug/L	1.6	0.31%
Zn 206.200†	2695.7	536	ug/L	3.1	536	ug/L	3.1	0.57%

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Sequence No.: 19 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 8/21/2007 4:53:40 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1146149.4	96.4	%	0.86				0.89%
Sc Radial	198996.8	96.9	%	0.51				0.53%
Ag 328.068†	32717.9	517	ug/L	5.4	517	ug/L	5.4	1.04%
QC value within limits for Ag 328.068 Recovery = 103.36%								
Al 308.215†	74276.9	25000	ug/L	29.4	25000	ug/L	29.4	0.12%
QC value within limits for Al 308.215 Recovery = 99.92%								
As 188.979†	322.9	512	ug/L	11.2	512	ug/L	11.2	2.19%
QC value within limits for As 188.979 Recovery = 102.43%								
Ba 233.527†	31775.9	516	ug/L	4.2	516	ug/L	4.2	0.81%
QC value within limits for Ba 233.527 Recovery = 103.16%								
Be 234.861†	49646.4	508	ug/L	4.1	508	ug/L	4.1	0.82%
QC value within limits for Be 234.861 Recovery = 101.62%								
Ca 315.887†	218045.9	24800	ug/L	58.1	24800	ug/L	58.1	0.23%
QC value within limits for Ca 315.887 Recovery = 99.38%								
Cd 226.502†	1750.1	503	ug/L	6.1	503	ug/L	6.1	1.22%
QC value within limits for Cd 226.502 Recovery = 100.69%								
Co 228.616†	5998.5	499	ug/L	4.5	499	ug/L	4.5	0.91%
QC value within limits for Co 228.616 Recovery = 99.88%								
Cr 267.716†	8816.2	507	ug/L	5.0	507	ug/L	5.0	1.00%
QC value within limits for Cr 267.716 Recovery = 101.37%								
Cu 324.752†	126145.9	497	ug/L	5.3	497	ug/L	5.3	1.07%
QC value within limits for Cu 324.752 Recovery = 99.46%								
Fe 259.939†	459066.2	40600	ug/L	27.8	40600	ug/L	27.8	0.07%
QC value within limits for Fe 259.939 Recovery = 101.49%								
K 766.490†	126545.6	24300	ug/L	6.5	24300	ug/L	6.5	0.03%
QC value within limits for K 766.490 Recovery = 97.32%								
Li 460.286†	73480.7	4890	ug/L	46.3	4890	ug/L	46.3	0.95%
Mg 279.077†	178268.9	25900	ug/L	82.2	25900	ug/L	82.2	0.32%
QC value within limits for Mg 279.077 Recovery = 103.60%								
Mn 257.610†	144810.2	518	ug/L	3.0	518	ug/L	3.0	0.58%
QC value within limits for Mn 257.610 Recovery = 103.65%								
Mo 202.031†	872.3	531	ug/L	4.0	531	ug/L	4.0	0.75%
QC value within limits for Mo 202.031 Recovery = 106.17%								
Na 589.592†	293115.6	24800	ug/L	12.8	24800	ug/L	12.8	0.05%
QC value within limits for Na 589.592 Recovery = 99.17%								
Ni 231.604†	2542.0	525	ug/L	6.2	525	ug/L	6.2	1.19%
QC value within limits for Ni 231.604 Recovery = 104.92%								
Pb 220.353†	380.1	546	ug/L	12.5	546	ug/L	12.5	2.29%
QC value within limits for Pb 220.353 Recovery = 109.26%								
Sb 206.836†	429.0	508	ug/L	6.3	508	ug/L	6.3	1.24%
QC value within limits for Sb 206.836 Recovery = 101.57%								
Se 196.026†	143.6	499	ug/L	22.0	499	ug/L	22.0	4.41%
QC value within limits for Se 196.026 Recovery = 99.84%								
Sn 189.927†	271.1	431	ug/L	6.8	431	ug/L	6.8	1.57%
QC value within limits for Sn 189.927 Recovery = 107.64%								
Sr 421.552†	368017.3	398	ug/L	2.5	398	ug/L	2.5	0.63%
QC value within limits for Sr 421.552 Recovery = 99.49%								
Ti 334.940†	141357.9	406	ug/L	3.5	406	ug/L	3.5	0.87%
QC value within limits for Ti 334.940 Recovery = 101.50%								
Tl 190.801†	372.5	531	ug/L	13.7	531	ug/L	13.7	2.57%
QC value within limits for Tl 190.801 Recovery = 106.28%								
V 292.402†	9335.1	512	ug/L	5.4	512	ug/L	5.4	1.05%
QC value within limits for V 292.402 Recovery = 102.35%								
Zn 206.200†	2724.8	543	ug/L	3.9	543	ug/L	3.9	0.72%
QC value within limits for Zn 206.200 Recovery = 108.54%								

All analyte(s) passed QC.

Sequence No.: 20 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 8/21/2007 4:57:39 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1192586.0	100	%	0.3				0.30%
Sc Radial	209236.1	102	%	0.5				0.49%
Ag 328.068†	-22.9	-2.26	ug/L	0.329	-2.26	ug/L	0.329	14.53%
QC value less than the lower limit for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-61.2	-9.44	ug/L	2.255	-9.44	ug/L	2.255	23.89%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-1.7	-0.237	ug/L	3.8199	-0.237	ug/L	3.8199	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-0.3	-0.198	ug/L	0.0460	-0.198	ug/L	0.0460	23.23%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-4.4	-0.060	ug/L	0.0085	-0.060	ug/L	0.0085	14.18%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	7.7	-3.55	ug/L	0.212	-3.55	ug/L	0.212	5.96%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	0.6	-0.076	ug/L	0.2659	-0.076	ug/L	0.2659	350.22%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-4.8	-0.404	ug/L	0.3330	-0.404	ug/L	0.3330	82.36%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	0.9	0.007	ug/L	0.3993	0.007	ug/L	0.3993	>999.9%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-500.0	-1.91	ug/L	0.052	-1.91	ug/L	0.052	2.74%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	8.4	-1.28	ug/L	0.386	-1.28	ug/L	0.386	30.17%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-143.2	-20.3	ug/L	3.05	-20.3	ug/L	3.05	15.05%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	-50.5	1.19	ug/L	1.768	1.19	ug/L	1.768	148.43%
Mg 279.077†	12.3	-1.96	ug/L	1.790	-1.96	ug/L	1.790	91.18%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-12.4	-1.17	ug/L	0.001	-1.17	ug/L	0.001	0.06%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	3.5	0.514	ug/L	0.7686	0.514	ug/L	0.7686	149.59%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-1545.7	-116	ug/L	1.4	-116	ug/L	1.4	1.19%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	1.4	-1.10	ug/L	0.657	-1.10	ug/L	0.657	59.84%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	0.5	0.844	ug/L	4.3479	0.844	ug/L	4.3479	514.99%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	1.2	4.52	ug/L	3.333	4.52	ug/L	3.333	73.82%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	1.0	8.05	ug/L	2.525	8.05	ug/L	2.525	31.37%
QC value greater than the upper limit for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-3.3	-1.45	ug/L	0.272	-1.45	ug/L	0.272	18.71%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	-10.0	-0.008	ug/L	0.0211	-0.008	ug/L	0.0211	260.23%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	5.5	-0.047	ug/L	0.0127	-0.047	ug/L	0.0127	27.17%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-1.8	-2.87	ug/L	4.250	-2.87	ug/L	4.250	147.84%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	7.4	0.180	ug/L	0.2321	0.180	ug/L	0.2321	128.70%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-13.7	-6.30	ug/L	0.361	-6.30	ug/L	0.361	5.73%
QC value less than the lower limit for Zn 206.200 Recovery = Not calculated								

QC Failed. Retry.

Sequence No.: 21 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 8/21/2007 5:00:38 PM**

Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1191933.0	100	%	0.5				0.46%
Sc Radial	208557.4	102	%	0.6				0.58%
Ag 328.068†	-30.9	-2.39	ug/L	0.157	-2.39	ug/L	0.157	6.58%
QC value less than the lower limit for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-62.9	-10.00	ug/L	1.024	-10.00	ug/L	1.024	10.24%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-1.8	-0.454	ug/L	2.3584	-0.454	ug/L	2.3584	519.58%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	5.5	-0.104	ug/L	0.0401	-0.104	ug/L	0.0401	38.71%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-2.9	-0.046	ug/L	0.0074	-0.046	ug/L	0.0074	16.24%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	8.8	-3.43	ug/L	0.653	-3.43	ug/L	0.653	19.06%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	-0.9	-0.513	ug/L	0.6851	-0.513	ug/L	0.6851	133.52%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	0.7	0.056	ug/L	0.0621	0.056	ug/L	0.0621	110.39%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-3.4	-0.239	ug/L	0.2433	-0.239	ug/L	0.2433	101.61%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-514.1	-1.96	ug/L	0.115	-1.96	ug/L	0.115	5.86%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	0.7	-1.97	ug/L	0.269	-1.97	ug/L	0.269	13.68%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-174.6	-26.3	ug/L	2.82	-26.3	ug/L	2.82	10.72%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	-183.1	-7.98	ug/L	1.570	-7.98	ug/L	1.570	19.68%
Mg 279.077†	6.0	-2.88	ug/L	1.885	-2.88	ug/L	1.885	65.42%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-12.2	-1.17	ug/L	0.024	-1.17	ug/L	0.024	2.02%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	1.8	-0.560	ug/L	0.4598	-0.560	ug/L	0.4598	82.12%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-1584.8	-119	ug/L	1.8	-119	ug/L	1.8	1.50%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	1.0	-1.19	ug/L	0.770	-1.19	ug/L	0.770	64.49%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-1.4	-1.78	ug/L	4.329	-1.78	ug/L	4.329	242.99%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-1.2	1.59	ug/L	1.876	1.59	ug/L	1.876	117.62%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-1.4	-0.316	ug/L	3.7263	-0.316	ug/L	3.7263	>999.9%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-2.6	-0.387	ug/L	1.1297	-0.387	ug/L	1.1297	291.93%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	-7.9	-0.006	ug/L	0.0212	-0.006	ug/L	0.0212	367.27%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	5.9	-0.046	ug/L	0.0048	-0.046	ug/L	0.0048	10.63%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	2.8	3.95	ug/L	1.002	3.95	ug/L	1.002	25.37%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	3.9	-0.019	ug/L	0.1928	-0.019	ug/L	0.1928	994.18%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-14.4	-6.44	ug/L	0.320	-6.44	ug/L	0.320	4.98%
QC value less than the lower limit for Zn 206.200 Recovery = Not calculated								

QC Failed. Continue with analysis.

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Sequence No.: 22 **Autosampler Location: 48**
Sample ID: 250735601 **Date Collected: 8/21/2007 5:04:42 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250735601

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1168339.5	98.3	%	0.60				0.61%
Sc Radial	209793.4	102	%	0.2				0.23%
Ag 328.068†	-258.0	-1.70	ug/L	0.295	-1.70	ug/L	0.295	17.33%
Al 308.215†	297794.0	100000	ug/L	355.4	100000	ug/L	355.4	0.35%
As 188.979†	11.9	25.9	ug/L	8.89	25.9	ug/L	8.89	34.38%
Ba 233.527†	37942.2	617	ug/L	1.7	617	ug/L	1.7	0.27%
Be 234.861†	950.7	6.09	ug/L	0.198	6.09	ug/L	0.198	3.26%
Ca 315.887†	1318668.4	150000	ug/L	46.1	150000	ug/L	46.1	0.03%
Cd 226.502†	74.2	3.06	ug/L	0.554	3.06	ug/L	0.554	18.12%
Co 228.616†	359.4	27.5	ug/L	0.45	27.5	ug/L	0.45	1.62%
Cr 267.716†	1880.3	107	ug/L	0.8	107	ug/L	0.8	0.78%
Cu 324.752†	19910.3	82.9	ug/L	0.47	82.9	ug/L	0.47	0.57%
Fe 259.939†	988563.8	87400	ug/L	326.1	87400	ug/L	326.1	0.37%
K 766.490†	59118.7	11400	ug/L	34.6	11400	ug/L	34.6	0.30%
Li 460.286†	6668.0	29.5	ug/L	3.09	29.5	ug/L	3.09	10.49%
Mg 279.077†	108036.3	15700	ug/L	45.5	15700	ug/L	45.5	0.29%
Mn 257.610†	509758.9	1830	ug/L	7.2	1830	ug/L	7.2	0.39%
Mo 202.031†	-16.3	-4.60	ug/L	2.278	-4.60	ug/L	2.278	49.51%
Na 589.592†	11246.9	966	ug/L	1.7	966	ug/L	1.7	0.18%
Ni 231.604†	457.8	91.1	ug/L	1.39	91.1	ug/L	1.39	1.52%
Pb 220.353†	41.8	74.0	ug/L	11.44	74.0	ug/L	11.44	15.47%
Sb 206.836†	6.3	4.69	ug/L	2.422	4.69	ug/L	2.422	51.59%
Se 196.026†	-3.1	1.66	ug/L	0.399	1.66	ug/L	0.399	24.04%
Sn 189.927†	-9.1	-2.43	ug/L	8.146	-2.43	ug/L	8.146	334.57%
Sr 421.552†	504357.7	543	ug/L	1.6	543	ug/L	1.6	0.30%
Ti 334.940†	94631.5	272	ug/L	0.3	272	ug/L	0.3	0.12%
Tl 190.801†	4.3	-6.41	ug/L	12.083	-6.41	ug/L	12.083	188.41%
V 292.402†	3888.9	217	ug/L	1.7	217	ug/L	1.7	0.80%
Zn 206.200†	1359.7	268	ug/L	3.1	268	ug/L	3.1	1.16%

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Sequence No.: 23
Sample ID: 250735602
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 49
Date Collected: 8/21/2007 5:08:43 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250735602

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1117757.6	94.0	%	0.53				0.57%
Sc Radial	201449.4	98.0	%	0.54				0.55%
Ag 328.068†	-596.5	-0.020	ug/L	0.2397	-0.020	ug/L	0.2397	>999.9%
Al 308.215†	713396.1	240000	ug/L	1935.7	240000	ug/L	1935.7	0.81%
As 188.979†	52.0	93.6	ug/L	1.08	93.6	ug/L	1.08	1.15%
Ba 233.527†	74976.9	1220	ug/L	5.1	1220	ug/L	5.1	0.42%
Be 234.861†	1892.2	11.9	ug/L	0.07	11.9	ug/L	0.07	0.62%
Ca 315.887†	6924076.9	789000	ug/L	4768.8	789000	ug/L	4768.8	0.60%
Cd 226.502†	149.3	-17.6	ug/L	3.39	-17.6	ug/L	3.39	19.31%
Co 228.616†	887.7	69.1	ug/L	0.52	69.1	ug/L	0.52	0.76%
Cr 267.716†	3964.1	225	ug/L	1.8	225	ug/L	1.8	0.81%
Cu 324.752†	40634.6	176	ug/L	0.9	176	ug/L	0.9	0.52%
Fe 259.939†	2026169.9	179000	ug/L	1687.1	179000	ug/L	1687.1	0.94%
K 766.490†	158624.3	30500	ug/L	62.9	30500	ug/L	62.9	0.21%
Li 460.286†	16036.4	191	ug/L	14.9	191	ug/L	14.9	7.77%
Mg 279.077†	249611.4	36300	ug/L	242.2	36300	ug/L	242.2	0.67%
Mn 257.610†	1691451.8	6070	ug/L	19.7	6070	ug/L	19.7	0.32%
Mo 202.031†	-13.9	4.10	ug/L	1.690	4.10	ug/L	1.690	41.22%
Na 589.592†	5625.6	490	ug/L	2.2	490	ug/L	2.2	0.44%
Ni 231.604†	977.6	196	ug/L	1.8	196	ug/L	1.8	0.90%
Pb 220.353†	111.3	242	ug/L	6.6	242	ug/L	6.6	2.73%
Sb 206.836†	8.0	-9.81	ug/L	1.968	-9.81	ug/L	1.968	20.05%
Se 196.026†	-14.2	-31.4	ug/L	17.65	-31.4	ug/L	17.65	56.17%
Sn 189.927†	-10.5	28.3	ug/L	10.55	28.3	ug/L	10.55	37.32%
Sr 421.552†	1504659.3	1610	ug/L	10.1	1610	ug/L	10.1	0.63%
Ti 334.940†	159730.8	459	ug/L	1.8	459	ug/L	1.8	0.39%
Tl 190.801†	8.0	-19.0	ug/L	3.67	-19.0	ug/L	3.67	19.33%
V 292.402†	8495.9	474	ug/L	2.7	474	ug/L	2.7	0.56%
Zn 206.200†	3000.5	599	ug/L	4.8	599	ug/L	4.8	0.80%

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Sequence No.: 24 **Autosampler Location: 50**
Sample ID: 250735603 **Date Collected: 8/21/2007 5:13:06 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250735603

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1105537.7	93.0	%	0.19				0.20%
Sc Radial	201652.0	98.1	%	0.16				0.16%
Ag 328.068†	-594.3	0.048	ug/L	0.0856	0.048	ug/L	0.0856	179.99%
Al 308.215†	653899.6	220000	ug/L	343.2	220000	ug/L	343.2	0.16%
As 188.979†	34.1	64.9	ug/L	9.40	64.9	ug/L	9.40	14.48%
Ba 233.527†	75849.5	1240	ug/L	1.8	1240	ug/L	1.8	0.15%
Be 234.861†	1814.2	11.6	ug/L	0.05	11.6	ug/L	0.05	0.47%
Ca 315.887†	7741236.5	882000	ug/L	2201.1	882000	ug/L	2201.1	0.25%
Cd 226.502†	142.4	-22.6	ug/L	1.34	-22.6	ug/L	1.34	5.91%
Co 228.616†	810.0	62.9	ug/L	0.59	62.9	ug/L	0.59	0.93%
Cr 267.716†	3746.1	213	ug/L	1.5	213	ug/L	1.5	0.69%
Cu 324.752†	41349.6	180	ug/L	0.3	180	ug/L	0.3	0.15%
Fe 259.939†	1896637.0	168000	ug/L	554.7	168000	ug/L	554.7	0.33%
K 766.490†	141130.1	27100	ug/L	14.1	27100	ug/L	14.1	0.05%
Li 460.286†	15165.2	182	ug/L	3.7	182	ug/L	3.7	2.05%
Mg 279.077†	242396.6	35200	ug/L	33.5	35200	ug/L	33.5	0.10%
Mn 257.610†	1296695.2	4650	ug/L	6.5	4650	ug/L	6.5	0.14%
Mo 202.031†	-20.3	-0.691	ug/L	3.6966	-0.691	ug/L	3.6966	535.29%
Na 589.592†	14784.6	1260	ug/L	1.2	1260	ug/L	1.2	0.09%
Ni 231.604†	945.7	190	ug/L	1.4	190	ug/L	1.4	0.72%
Pb 220.353†	89.0	222	ug/L	16.5	222	ug/L	16.5	7.46%
Sb 206.836†	-0.0	-20.9	ug/L	6.68	-20.9	ug/L	6.68	31.92%
Se 196.026†	-3.3	6.37	ug/L	3.551	6.37	ug/L	3.551	55.74%
Sn 189.927†	-13.1	29.0	ug/L	8.20	29.0	ug/L	8.20	28.27%
Sr 421.552†	1937953.9	2080	ug/L	10.2	2080	ug/L	10.2	0.49%
Ti 334.940†	165269.2	475	ug/L	5.0	475	ug/L	5.0	1.06%
Tl 190.801†	7.6	-15.5	ug/L	3.60	-15.5	ug/L	3.60	23.28%
V 292.402†	8012.1	447	ug/L	1.5	447	ug/L	1.5	0.33%
Zn 206.200†	2943.4	588	ug/L	3.4	588	ug/L	3.4	0.58%

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Sequence No.: 25 **Autosampler Location: 51**
Sample ID: 250735604 **Date Collected: 8/21/2007 5:17:11 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250735604

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1152066.8	96.9	%	0.07				0.07%
Sc Radial	205406.7	100.0	%	0.15				0.15%
Ag 328.068†	-493.2	-0.551	ug/L	0.0150	-0.551	ug/L	0.0150	2.72%
Al 308.215†	201111.7	67600	ug/L	112.9	67600	ug/L	112.9	0.17%
As 188.979†	119.7	200	ug/L	8.1	200	ug/L	8.1	4.06%
Ba 233.527†	45140.3	734	ug/L	1.9	734	ug/L	1.9	0.26%
Be 234.861†	1441.9	5.99	ug/L	0.257	5.99	ug/L	0.257	4.30%
Ca 315.887†	1703711.1	194000	ug/L	480.5	194000	ug/L	480.5	0.25%
Cd 226.502†	140.5	4.72	ug/L	0.663	4.72	ug/L	0.663	14.03%
Co 228.616†	856.7	65.3	ug/L	0.85	65.3	ug/L	0.85	1.30%
Cr 267.716†	1484.5	81.4	ug/L	0.62	81.4	ug/L	0.62	0.77%
Cu 324.752†	11985.9	55.6	ug/L	0.11	55.6	ug/L	0.11	0.20%
Fe 259.939†	2382009.1	211000	ug/L	1215.8	211000	ug/L	1215.8	0.58%
K 766.490†	36219.6	6970	ug/L	9.8	6970	ug/L	9.8	0.14%
Li 460.286†	15033.8	5.33	ug/L	10.943	5.33	ug/L	10.943	205.19%
Mg 279.077†	63162.6	9170	ug/L	11.6	9170	ug/L	11.6	0.13%
Mn 257.610†	682416.1	2450	ug/L	5.1	2450	ug/L	5.1	0.21%
Mo 202.031†	-8.0	10.1	ug/L	2.79	10.1	ug/L	2.79	27.48%
Na 589.592†	7273.9	630	ug/L	2.3	630	ug/L	2.3	0.36%
Ni 231.604†	650.9	128	ug/L	1.0	128	ug/L	1.0	0.78%
Pb 220.353†	33.4	62.9	ug/L	8.14	62.9	ug/L	8.14	12.94%
Sb 206.836†	8.4	4.18	ug/L	2.917	4.18	ug/L	2.917	69.71%
Se 196.026†	-13.5	-19.7	ug/L	14.58	-19.7	ug/L	14.58	73.86%
Sn 189.927†	-8.3	1.08	ug/L	3.061	1.08	ug/L	3.061	283.39%
Sr 421.552†	456020.9	490	ug/L	1.5	490	ug/L	1.5	0.30%
Ti 334.940†	102680.4	295	ug/L	0.6	295	ug/L	0.6	0.20%
Tl 190.801†	2.3	-21.9	ug/L	10.52	-21.9	ug/L	10.52	47.99%
V 292.402†	3411.7	203	ug/L	0.4	203	ug/L	0.4	0.18%
Zn 206.200†	1034.9	200	ug/L	1.0	200	ug/L	1.0	0.49%

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Sequence No.: 26 **Autosampler Location: 52**
Sample ID: 250735605 **Date Collected: 8/21/2007 5:21:12 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250735605

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1123316.7	94.5	%	0.47				0.49%
Sc Radial	201764.3	98.2	%	0.06				0.06%
Ag 328.068†	-468.1	-0.436	ug/L	0.0428	-0.436	ug/L	0.0428	9.81%
Al 308.215†	468686.5	158000	ug/L	265.6	158000	ug/L	265.6	0.17%
As 188.979†	21.6	43.5	ug/L	12.91	43.5	ug/L	12.91	29.72%
Ba 233.527†	60104.0	980	ug/L	2.2	980	ug/L	2.2	0.22%
Be 234.861†	1421.9	8.94	ug/L	0.091	8.94	ug/L	0.091	1.02%
Ca 315.887†	5826041.6	664000	ug/L	3155.5	664000	ug/L	3155.5	0.48%
Cd 226.502†	122.3	-13.8	ug/L	0.34	-13.8	ug/L	0.34	2.48%
Co 228.616†	679.9	53.2	ug/L	0.74	53.2	ug/L	0.74	1.38%
Cr 267.716†	2741.5	155	ug/L	1.0	155	ug/L	1.0	0.65%
Cu 324.752†	37556.7	161	ug/L	0.2	161	ug/L	0.2	0.13%
Fe 259.939†	1526986.3	135000	ug/L	1034.4	135000	ug/L	1034.4	0.77%
K 766.490†	149757.1	28800	ug/L	25.8	28800	ug/L	25.8	0.09%
Li 460.286†	11492.2	101	ug/L	7.2	101	ug/L	7.2	7.13%
Mg 279.077†	186143.0	27000	ug/L	89.9	27000	ug/L	89.9	0.33%
Mn 257.610†	1540935.0	5530	ug/L	21.3	5530	ug/L	21.3	0.39%
Mo 202.031†	-17.1	-1.34	ug/L	1.298	-1.34	ug/L	1.298	97.18%
Na 589.592†	5441.4	475	ug/L	2.1	475	ug/L	2.1	0.45%
Ni 231.604†	728.8	146	ug/L	2.5	146	ug/L	2.5	1.70%
Pb 220.353†	91.5	200	ug/L	8.9	200	ug/L	8.9	4.46%
Sb 206.836†	3.7	-10.9	ug/L	7.40	-10.9	ug/L	7.40	68.18%
Se 196.026†	-7.6	-13.6	ug/L	8.74	-13.6	ug/L	8.74	64.37%
Sn 189.927†	-8.2	25.2	ug/L	8.84	25.2	ug/L	8.84	35.16%
Sr 421.552†	1221079.5	1310	ug/L	8.4	1310	ug/L	8.4	0.64%
Ti 334.940†	92218.1	265	ug/L	0.4	265	ug/L	0.4	0.15%
Tl 190.801†	6.8	-14.9	ug/L	23.87	-14.9	ug/L	23.87	160.22%
V 292.402†	5906.7	330	ug/L	0.8	330	ug/L	0.8	0.23%
Zn 206.200†	2874.1	574	ug/L	6.3	574	ug/L	6.3	1.10%

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Sequence No.: 27 **Autosampler Location: 53**
Sample ID: 250735606 **Date Collected: 8/21/2007 5:25:16 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250735606

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1135650.8	95.5	%	0.10				0.10%
Sc Radial	201957.0	98.3	%	0.25				0.26%
Ag 328.068†	-797.4	0.795	ug/L	0.0806	0.795	ug/L	0.0806	10.14%
Al 308.215†	454796.9	153000	ug/L	221.4	153000	ug/L	221.4	0.14%
As 188.979†	127.6	218	ug/L	2.6	218	ug/L	2.6	1.21%
Ba 233.527†	94565.8	1540	ug/L	4.4	1540	ug/L	4.4	0.29%
Be 234.861†	2211.0	9.44	ug/L	0.283	9.44	ug/L	0.283	3.00%
Ca 315.887†	5122740.0	584000	ug/L	536.8	584000	ug/L	536.8	0.09%
Cd 226.502†	216.6	-5.36	ug/L	1.066	-5.36	ug/L	1.066	19.90%
Co 228.616†	870.4	63.8	ug/L	0.71	63.8	ug/L	0.71	1.12%
Cr 267.716†	2796.7	155	ug/L	0.7	155	ug/L	0.7	0.45%
Cu 324.752†	18735.3	90.7	ug/L	0.10	90.7	ug/L	0.10	0.11%
Fe 259.939†	3583237.3	317000	ug/L	637.5	317000	ug/L	637.5	0.20%
K 766.490†	57230.8	11000	ug/L	3.4	11000	ug/L	3.4	0.03%
Li 460.286†	25764.1	207	ug/L	4.2	207	ug/L	4.2	2.04%
Mg 279.077†	130868.6	19000	ug/L	82.6	19000	ug/L	82.6	0.43%
Mn 257.610†	1618719.7	5810	ug/L	16.8	5810	ug/L	16.8	0.29%
Mo 202.031†	-1.7	22.3	ug/L	1.96	22.3	ug/L	1.96	8.78%
Na 589.592†	9676.1	833	ug/L	4.2	833	ug/L	4.2	0.50%
Ni 231.604†	796.9	155	ug/L	2.6	155	ug/L	2.6	1.66%
Pb 220.353†	50.0	126	ug/L	1.7	126	ug/L	1.7	1.33%
Sb 206.836†	3.2	-13.0	ug/L	2.34	-13.0	ug/L	2.34	17.93%
Se 196.026†	-13.4	-11.9	ug/L	12.66	-11.9	ug/L	12.66	105.92%
Sn 189.927†	-14.0	12.3	ug/L	1.87	12.3	ug/L	1.87	15.16%
Sr 421.552†	1160208.2	1240	ug/L	3.9	1240	ug/L	3.9	0.32%
Ti 334.940†	148574.7	427	ug/L	1.0	427	ug/L	1.0	0.24%
Tl 190.801†	16.2	-18.0	ug/L	13.66	-18.0	ug/L	13.66	76.01%
V 292.402†	5421.7	321	ug/L	1.3	321	ug/L	1.3	0.39%
Zn 206.200†	1672.2	328	ug/L	2.2	328	ug/L	2.2	0.67%

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Sequence No.: 28 **Autosampler Location: 54**
Sample ID: 247422 **Date Collected: 8/21/2007 5:29:37 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 247422

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1183305.7	99.5	%	0.52				0.52%
Sc Radial	205113.4	99.8	%	0.62				0.62%
Ag 328.068†	-31.8	-2.40	ug/L	0.076	-2.40	ug/L	0.076	3.15%
Al 308.215†	-55.0	-7.37	ug/L	1.093	-7.37	ug/L	1.093	14.83%
As 188.979†	-2.1	-0.937	ug/L	2.0792	-0.937	ug/L	2.0792	221.78%
Ba 233.527†	23.9	0.195	ug/L	0.0680	0.195	ug/L	0.0680	34.95%
Be 234.861†	-6.5	-0.082	ug/L	0.0177	-0.082	ug/L	0.0177	21.53%
Ca 315.887†	641.1	68.6	ug/L	0.95	68.6	ug/L	0.95	1.38%
Cd 226.502†	2.0	0.307	ug/L	0.5117	0.307	ug/L	0.5117	166.66%
Co 228.616†	-2.4	-0.207	ug/L	0.3182	-0.207	ug/L	0.3182	153.98%
Cr 267.716†	-2.7	-0.196	ug/L	0.2520	-0.196	ug/L	0.2520	128.44%
Cu 324.752†	-401.9	-1.52	ug/L	0.156	-1.52	ug/L	0.156	10.28%
Fe 259.939†	81.3	5.16	ug/L	1.188	5.16	ug/L	1.188	23.02%
K 766.490†	-152.5	-22.1	ug/L	0.56	-22.1	ug/L	0.56	2.51%
Li 460.286†	-129.0	-4.28	ug/L	3.716	-4.28	ug/L	3.716	86.84%
Mg 279.077†	28.9	0.444	ug/L	1.0855	0.444	ug/L	1.0855	244.26%
Mn 257.610†	91.4	-0.795	ug/L	0.0184	-0.795	ug/L	0.0184	2.31%
Mo 202.031†	0.7	-1.23	ug/L	1.597	-1.23	ug/L	1.597	130.24%
Na 589.592†	-1870.9	-143	ug/L	1.4	-143	ug/L	1.4	1.00%
Ni 231.604†	5.1	-0.335	ug/L	0.7671	-0.335	ug/L	0.7671	228.73%
Pb 220.353†	-2.8	-3.77	ug/L	3.399	-3.77	ug/L	3.399	90.12%
Sb 206.836†	-3.0	-0.510	ug/L	0.2487	-0.510	ug/L	0.2487	48.80%
Se 196.026†	-0.5	3.02	ug/L	7.812	3.02	ug/L	7.812	258.65%
Sn 189.927†	-3.0	-1.08	ug/L	3.040	-1.08	ug/L	3.040	282.33%
Sr 421.552†	122.6	0.134	ug/L	0.0210	0.134	ug/L	0.0210	15.66%
Ti 334.940†	26.3	0.013	ug/L	0.0388	0.013	ug/L	0.0388	294.87%
Tl 190.801†	-0.8	-1.38	ug/L	1.496	-1.38	ug/L	1.496	108.37%
V 292.402†	7.0	0.141	ug/L	0.1837	0.141	ug/L	0.1837	130.33%
Zn 206.200†	-3.2	-4.19	ug/L	0.311	-4.19	ug/L	0.311	7.42%

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Sequence No.: 29
Sample ID: 247423
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 55
Date Collected: 8/21/2007 5:34:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 247423

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1138148.0	95.7	%	0.32				0.34%
Sc Radial	201519.7	98.1	%	0.68				0.69%
Ag 328.068†	13536.4	214	ug/L	0.7	214	ug/L	0.7	0.32%
Al 308.215†	148841.0	50000	ug/L	33.8	50000	ug/L	33.8	0.07%
As 188.979†	324.3	515	ug/L	6.2	515	ug/L	6.2	1.20%
Ba 233.527†	96571.6	1570	ug/L	4.0	1570	ug/L	4.0	0.26%
Be 234.861†	51914.3	531	ug/L	0.9	531	ug/L	0.9	0.17%
Ca 315.887†	426806.5	48600	ug/L	55.1	48600	ug/L	55.1	0.11%
Cd 226.502†	1827.0	523	ug/L	1.5	523	ug/L	1.5	0.28%
Co 228.616†	6001.5	500	ug/L	3.3	500	ug/L	3.3	0.66%
Cr 267.716†	8978.6	516	ug/L	1.2	516	ug/L	1.2	0.23%
Cu 324.752†	128519.6	507	ug/L	0.9	507	ug/L	0.9	0.17%
Fe 259.939†	578114.0	51100	ug/L	72.5	51100	ug/L	72.5	0.14%
K 766.490†	255492.2	49100	ug/L	34.7	49100	ug/L	34.7	0.07%
Li 460.286†	73557.3	4840	ug/L	10.0	4840	ug/L	10.0	0.21%
Mg 279.077†	348757.8	50700	ug/L	163.3	50700	ug/L	163.3	0.32%
Mn 257.610†	144768.2	517	ug/L	1.6	517	ug/L	1.6	0.32%
Mo 202.031†	898.3	547	ug/L	5.8	547	ug/L	5.8	1.07%
Na 589.592†	592073.9	50100	ug/L	21.6	50100	ug/L	21.6	0.04%
Ni 231.604†	2553.7	527	ug/L	2.8	527	ug/L	2.8	0.53%
Pb 220.353†	373.7	540	ug/L	8.8	540	ug/L	8.8	1.63%
Sb 206.836†	458.7	543	ug/L	3.2	543	ug/L	3.2	0.60%
Se 196.026†	147.5	514	ug/L	17.3	514	ug/L	17.3	3.37%
Sn 189.927†	358.1	569	ug/L	17.6	569	ug/L	17.6	3.10%
Sr 421.552†	452918.7	489	ug/L	0.2	489	ug/L	0.2	0.03%
Ti 334.940†	181286.5	521	ug/L	0.6	521	ug/L	0.6	0.12%
Tl 190.801†	377.1	537	ug/L	9.4	537	ug/L	9.4	1.75%
V 292.402†	9658.4	530	ug/L	1.2	530	ug/L	1.2	0.23%
Zn 206.200†	2781.1	553	ug/L	1.6	553	ug/L	1.6	0.29%

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Sequence No.: 30 **Autosampler Location: 56**
Sample ID: 247424 **Date Collected: 8/21/2007 5:37:48 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 247424

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1145498.6	96.4	%	0.26				0.27%
Sc Radial	202149.1	98.4	%	0.46				0.47%
Ag 328.068†	13090.0	207	ug/L	0.3	207	ug/L	0.3	0.14%
Al 308.215†	146853.2	49400	ug/L	29.5	49400	ug/L	29.5	0.06%
As 188.979†	312.8	497	ug/L	2.5	497	ug/L	2.5	0.50%
Ba 233.527†	94732.7	1540	ug/L	3.0	1540	ug/L	3.0	0.20%
Be 234.861†	50511.4	517	ug/L	1.0	517	ug/L	1.0	0.19%
Ca 315.887†	418334.6	47700	ug/L	110.9	47700	ug/L	110.9	0.23%
Cd 226.502†	1776.0	509	ug/L	5.1	509	ug/L	5.1	0.99%
Co 228.616†	5859.1	488	ug/L	2.7	488	ug/L	2.7	0.55%
Cr 267.716†	8771.5	504	ug/L	1.9	504	ug/L	1.9	0.37%
Cu 324.752†	125459.6	495	ug/L	1.1	495	ug/L	1.1	0.22%
Fe 259.939†	566683.6	50100	ug/L	18.2	50100	ug/L	18.2	0.04%
K 766.490†	250814.0	48200	ug/L	63.0	48200	ug/L	63.0	0.13%
Li 460.286†	71899.8	4730	ug/L	8.2	4730	ug/L	8.2	0.17%
Mg 279.077†	342242.6	49700	ug/L	301.8	49700	ug/L	301.8	0.61%
Mn 257.610†	142074.8	508	ug/L	1.5	508	ug/L	1.5	0.30%
Mo 202.031†	873.8	532	ug/L	1.4	532	ug/L	1.4	0.26%
Na 589.592†	583196.7	49300	ug/L	55.8	49300	ug/L	55.8	0.11%
Ni 231.604†	2486.3	513	ug/L	4.3	513	ug/L	4.3	0.83%
Pb 220.353†	373.9	540	ug/L	8.1	540	ug/L	8.1	1.51%
Sb 206.836†	438.2	518	ug/L	6.6	518	ug/L	6.6	1.27%
Se 196.026†	144.1	502	ug/L	9.3	502	ug/L	9.3	1.85%
Sn 189.927†	351.4	558	ug/L	0.9	558	ug/L	0.9	0.17%
Sr 421.552†	444876.3	481	ug/L	0.6	481	ug/L	0.6	0.13%
Ti 334.940†	176594.5	507	ug/L	0.8	507	ug/L	0.8	0.16%
Tl 190.801†	363.6	518	ug/L	8.9	518	ug/L	8.9	1.72%
V 292.402†	9394.2	516	ug/L	1.6	516	ug/L	1.6	0.32%
Zn 206.200†	2718.0	540	ug/L	5.6	540	ug/L	5.6	1.04%

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Sequence No.: 31 **Autosampler Location: 57**
Sample ID: 250734901 **Date Collected: 8/21/2007 5:41:33 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250734901

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1187068.1	99.9	%	0.51				0.51%
Sc Radial	207350.1	101	%	0.4				0.42%
Ag 328.068†	-84.3	-1.89	ug/L	0.062	-1.89	ug/L	0.062	3.25%
Al 308.215†	29.4	21.0	ug/L	0.14	21.0	ug/L	0.14	0.68%
As 188.979†	10.7	20.7	ug/L	3.45	20.7	ug/L	3.45	16.61%
Ba 233.527†	11341.4	184	ug/L	1.1	184	ug/L	1.1	0.59%
Be 234.861†	141.7	0.051	ug/L	0.0280	0.051	ug/L	0.0280	54.62%
Ca 315.887†	136635.7	15600	ug/L	4.9	15600	ug/L	4.9	0.03%
Cd 226.502†	28.9	3.22	ug/L	0.774	3.22	ug/L	0.774	23.99%
Co 228.616†	48.1	3.20	ug/L	0.129	3.20	ug/L	0.129	4.05%
Cr 267.716†	6.3	-0.321	ug/L	0.1544	-0.321	ug/L	0.1544	48.04%
Cu 324.752†	-700.6	-1.59	ug/L	0.102	-1.59	ug/L	0.102	6.37%
Fe 259.939†	375665.8	33200	ug/L	66.1	33200	ug/L	66.1	0.20%
K 766.490†	6017.6	1160	ug/L	3.0	1160	ug/L	3.0	0.26%
Li 460.286†	1950.8	-23.1	ug/L	3.58	-23.1	ug/L	3.58	15.47%
Mg 279.077†	11032.3	1600	ug/L	5.6	1600	ug/L	5.6	0.35%
Mn 257.610†	86248.4	309	ug/L	2.3	309	ug/L	2.3	0.76%
Mo 202.031†	-3.2	-0.985	ug/L	0.7187	-0.985	ug/L	0.7187	72.93%
Na 589.592†	71518.4	6060	ug/L	13.5	6060	ug/L	13.5	0.22%
Ni 231.604†	29.0	3.70	ug/L	0.136	3.70	ug/L	0.136	3.68%
Pb 220.353†	-10.0	-13.5	ug/L	9.84	-13.5	ug/L	9.84	72.93%
Sb 206.836†	1.6	3.92	ug/L	0.867	3.92	ug/L	0.867	22.13%
Se 196.026†	-2.7	-1.15	ug/L	0.178	-1.15	ug/L	0.178	15.51%
Sn 189.927†	-7.4	-7.15	ug/L	4.736	-7.15	ug/L	4.736	66.29%
Sr 421.552†	59813.3	64.5	ug/L	0.06	64.5	ug/L	0.06	0.09%
Ti 334.940†	224.3	0.582	ug/L	0.0382	0.582	ug/L	0.0382	6.56%
Tl 190.801†	-1.8	-6.33	ug/L	4.418	-6.33	ug/L	4.418	69.80%
V 292.402†	-41.7	0.581	ug/L	0.2179	0.581	ug/L	0.2179	37.52%
Zn 206.200†	6695.4	1340	ug/L	7.6	1340	ug/L	7.6	0.57%

Sequence No.: 32 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 8/21/2007 5:46:00 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1150449.2	96.8	%	0.24				0.25%
Sc Radial	201045.1	97.9	%	0.12				0.12%
Ag 328.068†	32504.9	513	ug/L	0.7	513	ug/L	0.7	0.14%
QC value within limits for Ag 328.068 Recovery = 102.68%								
Al 308.215†	73079.7	24600	ug/L	9.4	24600	ug/L	9.4	0.04%
QC value within limits for Al 308.215 Recovery = 98.31%								
As 188.979†	328.7	521	ug/L	8.2	521	ug/L	8.2	1.57%
QC value within limits for As 188.979 Recovery = 104.24%								
Ba 233.527†	32199.0	523	ug/L	0.7	523	ug/L	0.7	0.14%
QC value within limits for Ba 233.527 Recovery = 104.54%								
Be 234.861†	49712.4	509	ug/L	2.5	509	ug/L	2.5	0.50%
QC value within limits for Be 234.861 Recovery = 101.76%								
Ca 315.887†	215632.8	24600	ug/L	38.2	24600	ug/L	38.2	0.16%
QC value within limits for Ca 315.887 Recovery = 98.28%								
Cd 226.502†	1788.6	515	ug/L	2.6	515	ug/L	2.6	0.51%
QC value within limits for Cd 226.502 Recovery = 102.95%								
Co 228.616†	6066.7	505	ug/L	1.7	505	ug/L	1.7	0.34%
QC value within limits for Co 228.616 Recovery = 101.03%								
Cr 267.716†	8875.5	510	ug/L	2.0	510	ug/L	2.0	0.40%
QC value within limits for Cr 267.716 Recovery = 102.05%								
Cu 324.752†	125684.2	495	ug/L	0.9	495	ug/L	0.9	0.17%
QC value within limits for Cu 324.752 Recovery = 99.09%								
Fe 259.939†	452225.5	40000	ug/L	52.7	40000	ug/L	52.7	0.13%
QC value within limits for Fe 259.939 Recovery = 99.98%								
K 766.490†	124533.6	23900	ug/L	24.8	23900	ug/L	24.8	0.10%
QC value within limits for K 766.490 Recovery = 95.77%								
Li 460.286†	73147.2	4870	ug/L	8.9	4870	ug/L	8.9	0.18%
Mg 279.077†	177781.2	25800	ug/L	64.4	25800	ug/L	64.4	0.25%
QC value within limits for Mg 279.077 Recovery = 103.32%								
Mn 257.610†	144405.0	517	ug/L	2.3	517	ug/L	2.3	0.44%
QC value within limits for Mn 257.610 Recovery = 103.35%								
Mo 202.031†	886.0	539	ug/L	6.5	539	ug/L	6.5	1.21%
QC value within limits for Mo 202.031 Recovery = 107.81%								
Na 589.592†	287892.7	24400	ug/L	13.7	24400	ug/L	13.7	0.06%
QC value within limits for Na 589.592 Recovery = 97.41%								
Ni 231.604†	2584.8	533	ug/L	1.1	533	ug/L	1.1	0.21%
QC value within limits for Ni 231.604 Recovery = 106.69%								
Pb 220.353†	379.7	546	ug/L	1.4	546	ug/L	1.4	0.26%
QC value within limits for Pb 220.353 Recovery = 109.18%								
Sb 206.836†	433.1	513	ug/L	6.1	513	ug/L	6.1	1.20%
QC value within limits for Sb 206.836 Recovery = 102.54%								
Se 196.026†	142.5	495	ug/L	5.9	495	ug/L	5.9	1.19%
QC value within limits for Se 196.026 Recovery = 99.08%								
Sn 189.927†	275.5	438	ug/L	2.3	438	ug/L	2.3	0.52%
QC value within limits for Sn 189.927 Recovery = 109.40%								
Sr 421.552†	362432.9	392	ug/L	0.2	392	ug/L	0.2	0.06%
QC value within limits for Sr 421.552 Recovery = 97.98%								
Ti 334.940†	141275.3	406	ug/L	0.8	406	ug/L	0.8	0.21%
QC value within limits for Ti 334.940 Recovery = 101.44%								
Tl 190.801†	378.5	540	ug/L	5.4	540	ug/L	5.4	1.00%
QC value within limits for Tl 190.801 Recovery = 108.03%								
V 292.402†	9324.8	511	ug/L	0.3	511	ug/L	0.3	0.05%
QC value within limits for V 292.402 Recovery = 102.24%								
Zn 206.200†	2790.1	556	ug/L	1.9	556	ug/L	1.9	0.34%
QC value greater than the upper limit for Zn 206.200 Recovery = 111.16%								

QC Failed. Retry.

Sequence No.: 33 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 8/21/2007 5:48:32 PM**

Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1146251.6	96.4	%	0.21				0.22%
Sc Radial	200338.5	97.5	%	0.50				0.51%
Ag 328.068†	32474.4	513	ug/L	2.1	513	ug/L	2.1	0.42%
QC value within limits for Ag 328.068 Recovery = 102.59%								
Al 308.215†	73065.5	24600	ug/L	36.0	24600	ug/L	36.0	0.15%
QC value within limits for Al 308.215 Recovery = 98.29%								
As 188.979†	327.3	519	ug/L	6.8	519	ug/L	6.8	1.32%
QC value within limits for As 188.979 Recovery = 103.80%								
Ba 233.527†	32268.9	524	ug/L	0.7	524	ug/L	0.7	0.14%
QC value within limits for Ba 233.527 Recovery = 104.76%								
Be 234.861†	49868.6	510	ug/L	2.0	510	ug/L	2.0	0.40%
QC value within limits for Be 234.861 Recovery = 102.08%								
Ca 315.887†	215202.1	24500	ug/L	10.9	24500	ug/L	10.9	0.04%
QC value within limits for Ca 315.887 Recovery = 98.09%								
Cd 226.502†	1788.6	515	ug/L	3.5	515	ug/L	3.5	0.68%
QC value within limits for Cd 226.502 Recovery = 102.95%								
Co 228.616†	6062.9	505	ug/L	0.3	505	ug/L	0.3	0.07%
QC value within limits for Co 228.616 Recovery = 100.96%								
Cr 267.716†	8896.8	511	ug/L	1.6	511	ug/L	1.6	0.31%
QC value within limits for Cr 267.716 Recovery = 102.29%								
Cu 324.752†	125843.1	496	ug/L	1.2	496	ug/L	1.2	0.24%
QC value within limits for Cu 324.752 Recovery = 99.21%								
Fe 259.939†	452080.0	40000	ug/L	100.1	40000	ug/L	100.1	0.25%
QC value within limits for Fe 259.939 Recovery = 99.95%								
K 766.490†	124322.1	23900	ug/L	41.0	23900	ug/L	41.0	0.17%
QC value within limits for K 766.490 Recovery = 95.61%								
Li 460.286†	73214.3	4870	ug/L	17.5	4870	ug/L	17.5	0.36%
Mg 279.077†	178139.4	25900	ug/L	159.8	25900	ug/L	159.8	0.62%
QC value within limits for Mg 279.077 Recovery = 103.53%								
Mn 257.610†	144984.6	519	ug/L	2.5	519	ug/L	2.5	0.48%
QC value within limits for Mn 257.610 Recovery = 103.77%								
Mo 202.031†	886.2	539	ug/L	2.9	539	ug/L	2.9	0.54%
QC value within limits for Mo 202.031 Recovery = 107.84%								
Na 589.592†	289827.1	24500	ug/L	287.0	24500	ug/L	287.0	1.17%
QC value within limits for Na 589.592 Recovery = 98.06%								
Ni 231.604†	2585.3	534	ug/L	1.9	534	ug/L	1.9	0.36%
QC value within limits for Ni 231.604 Recovery = 106.72%								
Pb 220.353†	378.6	544	ug/L	6.2	544	ug/L	6.2	1.13%
QC value within limits for Pb 220.353 Recovery = 108.85%								
Sb 206.836†	436.8	517	ug/L	7.6	517	ug/L	7.6	1.47%
QC value within limits for Sb 206.836 Recovery = 103.42%								
Se 196.026†	147.6	513	ug/L	9.0	513	ug/L	9.0	1.76%
QC value within limits for Se 196.026 Recovery = 102.60%								
Sn 189.927†	276.2	439	ug/L	2.4	439	ug/L	2.4	0.56%
QC value within limits for Sn 189.927 Recovery = 109.65%								
Sr 421.552†	362162.7	392	ug/L	4.8	392	ug/L	4.8	1.23%
QC value within limits for Sr 421.552 Recovery = 97.91%								
Ti 334.940†	141522.4	406	ug/L	0.7	406	ug/L	0.7	0.18%
QC value within limits for Ti 334.940 Recovery = 101.62%								
Tl 190.801†	381.3	544	ug/L	5.5	544	ug/L	5.5	1.02%
QC value within limits for Tl 190.801 Recovery = 108.87%								
V 292.402†	9324.0	511	ug/L	1.9	511	ug/L	1.9	0.37%
QC value within limits for V 292.402 Recovery = 102.24%								
Zn 206.200†	2790.5	556	ug/L	0.9	556	ug/L	0.9	0.16%
QC value greater than the upper limit for Zn 206.200 Recovery = 111.18%								

QC Failed. Continue with analysis.

Sequence No.: 34 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 8/21/2007 5:52:24 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1198663.1	101	%	0.4				0.37%
Sc Radial	207739.3	101	%	0.2				0.17%
Ag 328.068†	-19.6	-2.21	ug/L	0.202	-2.21	ug/L	0.202	9.16%
QC value less than the lower limit for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-72.1	-13.1	ug/L	0.89	-13.1	ug/L	0.89	6.79%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-1.9	-0.518	ug/L	2.3829	-0.518	ug/L	2.3829	459.60%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	2.6	-0.151	ug/L	0.0547	-0.151	ug/L	0.0547	36.17%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-3.6	-0.052	ug/L	0.0267	-0.052	ug/L	0.0267	51.03%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	31.0	-0.894	ug/L	1.0420	-0.894	ug/L	1.0420	116.59%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	1.0	0.041	ug/L	0.2247	0.041	ug/L	0.2247	547.69%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-1.2	-0.105	ug/L	0.1802	-0.105	ug/L	0.1802	171.61%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-6.2	-0.402	ug/L	0.2831	-0.402	ug/L	0.2831	70.45%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-553.0	-2.12	ug/L	0.122	-2.12	ug/L	0.122	5.74%
QC value less than the lower limit for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	13.6	-0.827	ug/L	0.2471	-0.827	ug/L	0.2471	29.86%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-188.1	-28.9	ug/L	3.30	-28.9	ug/L	3.30	11.41%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	-153.7	-5.95	ug/L	3.651	-5.95	ug/L	3.651	61.35%
Mg 279.077†	17.5	-1.22	ug/L	0.761	-1.22	ug/L	0.761	62.53%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	8.7	-1.09	ug/L	0.012	-1.09	ug/L	0.012	1.10%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	4.0	0.773	ug/L	1.1970	0.773	ug/L	1.1970	154.77%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-1857.1	-142	ug/L	2.7	-142	ug/L	2.7	1.90%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	0.9	-1.20	ug/L	0.185	-1.20	ug/L	0.185	15.42%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-3.1	-4.20	ug/L	4.206	-4.20	ug/L	4.206	100.22%
QC value less than the lower limit for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	0.2	3.27	ug/L	3.141	3.27	ug/L	3.141	96.02%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-0.4	3.35	ug/L	0.670	3.35	ug/L	0.670	20.01%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-3.1	-1.10	ug/L	2.185	-1.10	ug/L	2.185	197.85%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	20.3	0.025	ug/L	0.0029	0.025	ug/L	0.0029	11.63%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	15.9	-0.017	ug/L	0.0281	-0.017	ug/L	0.0281	168.32%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	2.3	3.19	ug/L	3.163	3.19	ug/L	3.163	99.18%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	4.2	0.010	ug/L	0.1899	0.010	ug/L	0.1899	>999.9%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-15.0	-6.56	ug/L	0.114	-6.56	ug/L	0.114	1.73%
QC value less than the lower limit for Zn 206.200 Recovery = Not calculated								

QC Failed. Retry.

Sequence No.: 35 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 8/21/2007 5:55:08 PM**

Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1204233.9	101	%	0.4				0.43%
Sc Radial	207829.4	101	%	0.3				0.27%
Ag 328.068†	-35.1	-2.45	ug/L	0.103	-2.45	ug/L	0.103	4.19%
QC value less than the lower limit for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-73.2	-13.5	ug/L	2.62	-13.5	ug/L	2.62	19.47%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-1.4	0.253	ug/L	2.7985	0.253	ug/L	2.7985	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	8.4	-0.057	ug/L	0.0843	-0.057	ug/L	0.0843	147.63%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-5.2	-0.069	ug/L	0.0474	-0.069	ug/L	0.0474	68.53%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	34.0	-0.556	ug/L	0.6382	-0.556	ug/L	0.6382	114.72%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	-0.1	-0.299	ug/L	0.5294	-0.299	ug/L	0.5294	177.29%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-7.3	-0.613	ug/L	0.1283	-0.613	ug/L	0.1283	20.93%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-8.6	-0.537	ug/L	0.1456	-0.537	ug/L	0.1456	27.09%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-584.8	-2.24	ug/L	0.140	-2.24	ug/L	0.140	6.26%
QC value less than the lower limit for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	6.1	-1.49	ug/L	0.703	-1.49	ug/L	0.703	47.26%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-206.7	-32.5	ug/L	6.08	-32.5	ug/L	6.08	18.72%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	-155.8	-6.09	ug/L	1.800	-6.09	ug/L	1.800	29.53%
Mg 279.077†	8.2	-2.56	ug/L	0.284	-2.56	ug/L	0.284	11.10%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	6.5	-1.10	ug/L	0.011	-1.10	ug/L	0.011	1.04%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	4.1	0.834	ug/L	1.1704	0.834	ug/L	1.1704	140.32%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-1907.9	-147	ug/L	1.8	-147	ug/L	1.8	1.22%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	1.8	-1.02	ug/L	0.450	-1.02	ug/L	0.450	44.31%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-0.6	-0.636	ug/L	7.6451	-0.636	ug/L	7.6451	>999.9%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-1.5	1.35	ug/L	2.847	1.35	ug/L	2.847	211.07%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-0.0	4.49	ug/L	1.725	4.49	ug/L	1.725	38.41%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-2.5	-0.224	ug/L	2.8311	-0.224	ug/L	2.8311	>999.9%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	12.2	0.016	ug/L	0.0163	0.016	ug/L	0.0163	102.36%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	5.3	-0.047	ug/L	0.0242	-0.047	ug/L	0.0242	51.22%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-0.8	-1.40	ug/L	4.470	-1.40	ug/L	4.470	320.25%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	5.0	0.054	ug/L	0.1917	0.054	ug/L	0.1917	353.81%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-13.4	-6.23	ug/L	0.464	-6.23	ug/L	0.464	7.45%
QC value less than the lower limit for Zn 206.200 Recovery = Not calculated								

QC Failed. Continue with analysis.

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Sequence No.: 36
Sample ID: 250734902
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 58
Date Collected: 8/21/2007 5:59:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250734902

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1186389.4	99.8	%	0.12				0.12%
Sc Radial	205527.0	100	%	0.3				0.34%
Ag 328.068†	-39.4	-2.46	ug/L	0.141	-2.46	ug/L	0.141	5.74%
Al 308.215†	945.6	329	ug/L	3.3	329	ug/L	3.3	1.02%
As 188.979†	-0.9	1.11	ug/L	4.491	1.11	ug/L	4.491	404.34%
Ba 233.527†	1340.4	21.6	ug/L	0.09	21.6	ug/L	0.09	0.43%
Be 234.861†	0.5	-0.054	ug/L	0.0268	-0.054	ug/L	0.0268	49.96%
Ca 315.887†	31605.4	3600	ug/L	4.7	3600	ug/L	4.7	0.13%
Cd 226.502†	3.4	0.413	ug/L	0.1501	0.413	ug/L	0.1501	36.34%
Co 228.616†	1.9	0.139	ug/L	0.2719	0.139	ug/L	0.2719	195.89%
Cr 267.716†	439.4	25.2	ug/L	0.16	25.2	ug/L	0.16	0.64%
Cu 324.752†	474.0	2.00	ug/L	0.070	2.00	ug/L	0.070	3.51%
Fe 259.939†	11639.8	1030	ug/L	2.9	1030	ug/L	2.9	0.28%
K 766.490†	3404.9	662	ug/L	2.6	662	ug/L	2.6	0.39%
Li 460.286†	-96.3	-7.24	ug/L	1.076	-7.24	ug/L	1.076	14.86%
Mg 279.077†	6992.7	1010	ug/L	5.8	1010	ug/L	5.8	0.58%
Mn 257.610†	4777.5	16.0	ug/L	0.05	16.0	ug/L	0.05	0.29%
Mo 202.031†	4.9	1.39	ug/L	0.593	1.39	ug/L	0.593	42.76%
Na 589.592†	29729.6	2530	ug/L	5.6	2530	ug/L	5.6	0.22%
Ni 231.604†	68.3	12.7	ug/L	0.11	12.7	ug/L	0.11	0.89%
Pb 220.353†	-2.7	-3.28	ug/L	3.445	-3.28	ug/L	3.445	105.05%
Sb 206.836†	-1.5	0.913	ug/L	1.4351	0.913	ug/L	1.4351	157.19%
Se 196.026†	-0.3	3.55	ug/L	3.521	3.55	ug/L	3.521	99.07%
Sn 189.927†	-6.1	-5.70	ug/L	4.135	-5.70	ug/L	4.135	72.58%
Sr 421.552†	35253.6	38.1	ug/L	0.01	38.1	ug/L	0.01	0.03%
Ti 334.940†	788.4	2.20	ug/L	0.062	2.20	ug/L	0.062	2.81%
Tl 190.801†	-2.0	-3.34	ug/L	3.258	-3.34	ug/L	3.258	97.46%
V 292.402†	23.4	1.20	ug/L	0.227	1.20	ug/L	0.227	18.97%
Zn 206.200†	92.6	15.1	ug/L	0.98	15.1	ug/L	0.98	6.49%

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Sequence No.: 37 **Autosampler Location: 59**
Sample ID: 250734903 **Date Collected: 8/21/2007 6:03:24 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250734903

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1170078.6	98.4	%	0.37				0.37%
Sc Radial	202536.5	98.6	%	0.47				0.47%
Ag 328.068†	-38.7	-2.49	ug/L	0.077	-2.49	ug/L	0.077	3.11%
Al 308.215†	200.9	78.7	ug/L	2.56	78.7	ug/L	2.56	3.25%
As 188.979†	-0.7	1.24	ug/L	0.714	1.24	ug/L	0.714	57.77%
Ba 233.527†	452.4	7.17	ug/L	0.169	7.17	ug/L	0.169	2.35%
Be 234.861†	-5.7	-0.074	ug/L	0.0152	-0.074	ug/L	0.0152	20.72%
Ca 315.887†	27242.1	3100	ug/L	11.8	3100	ug/L	11.8	0.38%
Cd 226.502†	4.3	0.840	ug/L	0.5742	0.840	ug/L	0.5742	68.34%
Co 228.616†	-6.1	-0.507	ug/L	0.0872	-0.507	ug/L	0.0872	17.20%
Cr 267.716†	-8.2	-0.513	ug/L	0.0719	-0.513	ug/L	0.0719	14.02%
Cu 324.752†	-411.2	-1.51	ug/L	0.213	-1.51	ug/L	0.213	14.03%
Fe 259.939†	59.3	3.22	ug/L	0.515	3.22	ug/L	0.515	16.01%
K 766.490†	3265.4	635	ug/L	5.1	635	ug/L	5.1	0.81%
Li 460.286†	-207.9	-9.90	ug/L	1.749	-9.90	ug/L	1.749	17.66%
Mg 279.077†	3087.4	445	ug/L	2.7	445	ug/L	2.7	0.61%
Mn 257.610†	2032.3	6.16	ug/L	0.061	6.16	ug/L	0.061	0.99%
Mo 202.031†	0.7	-1.23	ug/L	1.239	-1.23	ug/L	1.239	100.98%
Na 589.592†	31014.1	2640	ug/L	10.0	2640	ug/L	10.0	0.38%
Ni 231.604†	0.1	-1.38	ug/L	0.759	-1.38	ug/L	0.759	54.94%
Pb 220.353†	-4.9	-6.46	ug/L	3.705	-6.46	ug/L	3.705	57.31%
Sb 206.836†	-1.4	1.28	ug/L	3.904	1.28	ug/L	3.904	304.16%
Se 196.026†	-0.0	4.58	ug/L	4.622	4.58	ug/L	4.622	100.87%
Sn 189.927†	-4.7	-3.47	ug/L	2.402	-3.47	ug/L	2.402	69.28%
Sr 421.552†	8313.4	8.94	ug/L	0.011	8.94	ug/L	0.011	0.13%
Ti 334.940†	68.1	0.133	ug/L	0.0725	0.133	ug/L	0.0725	54.48%
Tl 190.801†	-2.6	-3.95	ug/L	2.772	-3.95	ug/L	2.772	70.11%
V 292.402†	4.2	-0.007	ug/L	0.3035	-0.007	ug/L	0.3035	>999.9%
Zn 206.200†	39.1	4.30	ug/L	0.426	4.30	ug/L	0.426	9.91%

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Sequence No.: 38 **Autosampler Location: 60**
Sample ID: 250734903L **Date Collected: 8/21/2007 6:07:36 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 5X **Sample Prep Vol:**

Mean Data: 250734903L

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1203767.8	101	%	0.3				0.27%
Sc Radial	208053.0	101	%	0.2				0.22%
Ag 328.068†	-36.4	-2.47	ug/L	0.012	-12.4	ug/L	0.06	0.51%
Al 308.215†	-11.8	7.16	ug/L	1.964	35.8	ug/L	9.82	27.44%
As 188.979†	-1.2	0.535	ug/L	2.5175	2.68	ug/L	12.587	470.47%
Ba 233.527†	91.7	1.30	ug/L	0.069	6.50	ug/L	0.345	5.31%
Be 234.861†	-8.7	-0.105	ug/L	0.0021	-0.527	ug/L	0.0103	1.95%
Ca 315.887†	5352.8	606	ug/L	1.8	3030	ug/L	8.9	0.30%
Cd 226.502†	-0.2	-0.346	ug/L	1.0000	-1.73	ug/L	5.000	289.23%
Co 228.616†	-3.6	-0.307	ug/L	0.1893	-1.54	ug/L	0.947	61.65%
Cr 267.716†	-6.0	-0.386	ug/L	0.1948	-1.93	ug/L	0.974	50.51%
Cu 324.752†	-525.3	-2.00	ug/L	0.135	-9.99	ug/L	0.674	6.74%
Fe 259.939†	50.7	2.45	ug/L	0.142	12.3	ug/L	0.71	5.80%
K 766.490†	462.6	96.1	ug/L	6.19	481	ug/L	30.9	6.43%
Li 460.286†	-122.2	-3.82	ug/L	2.593	-19.1	ug/L	12.97	67.82%
Mg 279.077†	604.0	84.0	ug/L	1.14	420	ug/L	5.7	1.36%
Mn 257.610†	552.8	0.859	ug/L	0.0252	4.30	ug/L	0.126	2.93%
Mo 202.031†	1.9	-0.501	ug/L	0.9267	-2.51	ug/L	4.634	184.92%
Na 589.592†	4320.2	380	ug/L	3.0	1900	ug/L	15.1	0.79%
Ni 231.604†	-4.6	-2.36	ug/L	0.363	-11.8	ug/L	1.82	15.39%
Pb 220.353†	-4.4	-6.11	ug/L	2.760	-30.6	ug/L	13.80	45.15%
Sb 206.836†	-3.0	-0.489	ug/L	0.4247	-2.44	ug/L	2.124	86.91%
Se 196.026†	0.5	6.28	ug/L	5.010	31.4	ug/L	25.05	79.84%
Sn 189.927†	-2.7	-0.494	ug/L	0.8621	-2.47	ug/L	4.310	174.38%
Sr 421.552†	1557.8	1.68	ug/L	0.027	8.39	ug/L	0.136	1.62%
Ti 334.940†	20.0	-0.005	ug/L	0.0032	-0.026	ug/L	0.0161	63.02%
Tl 190.801†	-2.1	-3.20	ug/L	4.803	-16.0	ug/L	24.02	150.24%
V 292.402†	-0.8	-0.269	ug/L	0.1441	-1.35	ug/L	0.721	53.48%
Zn 206.200†	13.9	-0.750	ug/L	0.3510	-3.75	ug/L	1.755	46.78%

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Sequence No.: 39
Sample ID: 250734904
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 61
Date Collected: 8/21/2007 6:12:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250734904

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1153744.7	97.1	%	0.28				0.29%
Sc Radial	202849.0	98.7	%	0.62				0.63%
Ag 328.068†	13119.7	208	ug/L	1.2	208	ug/L	1.2	0.57%
Al 308.215†	146563.8	49300	ug/L	81.1	49300	ug/L	81.1	0.16%
As 188.979†	313.5	498	ug/L	2.7	498	ug/L	2.7	0.54%
Ba 233.527†	95806.9	1560	ug/L	1.9	1560	ug/L	1.9	0.13%
Be 234.861†	50971.7	521	ug/L	2.4	521	ug/L	2.4	0.47%
Ca 315.887†	445143.0	50700	ug/L	85.0	50700	ug/L	85.0	0.17%
Cd 226.502†	1791.5	513	ug/L	4.5	513	ug/L	4.5	0.88%
Co 228.616†	5865.9	489	ug/L	1.6	489	ug/L	1.6	0.32%
Cr 267.716†	8703.9	500	ug/L	1.7	500	ug/L	1.7	0.34%
Cu 324.752†	125626.0	496	ug/L	0.1	496	ug/L	0.1	0.02%
Fe 259.939†	568621.7	50300	ug/L	90.5	50300	ug/L	90.5	0.18%
K 766.490†	255090.2	49000	ug/L	31.9	49000	ug/L	31.9	0.07%
Li 460.286†	71805.3	4720	ug/L	6.0	4720	ug/L	6.0	0.13%
Mg 279.077†	346707.5	50400	ug/L	161.8	50400	ug/L	161.8	0.32%
Mn 257.610†	144383.5	516	ug/L	0.8	516	ug/L	0.8	0.16%
Mo 202.031†	881.4	537	ug/L	1.0	537	ug/L	1.0	0.18%
Na 589.592†	614268.5	51900	ug/L	53.2	51900	ug/L	53.2	0.10%
Ni 231.604†	2488.5	513	ug/L	2.5	513	ug/L	2.5	0.49%
Pb 220.353†	368.1	533	ug/L	15.3	533	ug/L	15.3	2.87%
Sb 206.836†	444.8	526	ug/L	1.6	526	ug/L	1.6	0.31%
Se 196.026†	146.4	510	ug/L	14.5	510	ug/L	14.5	2.84%
Sn 189.927†	350.4	557	ug/L	5.6	557	ug/L	5.6	1.00%
Sr 421.552†	452669.3	489	ug/L	0.1	489	ug/L	0.1	0.03%
Ti 334.940†	177402.9	510	ug/L	0.4	510	ug/L	0.4	0.08%
Tl 190.801†	372.4	530	ug/L	4.0	530	ug/L	4.0	0.75%
V 292.402†	9434.6	518	ug/L	1.4	518	ug/L	1.4	0.27%
Zn 206.200†	2768.2	550	ug/L	1.7	550	ug/L	1.7	0.32%

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Sequence No.: 40 **Autosampler Location: 62**
Sample ID: 250734905 **Date Collected: 8/21/2007 6:15:50 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250734905

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1150286.8	96.8	%	0.14				0.14%
Sc Radial	202600.6	98.6	%	0.56				0.57%
Ag 328.068†	13225.8	210	ug/L	2.1	210	ug/L	2.1	0.99%
Al 308.215†	147857.5	49700	ug/L	101.2	49700	ug/L	101.2	0.20%
As 188.979†	314.7	500	ug/L	5.5	500	ug/L	5.5	1.10%
Ba 233.527†	95363.0	1550	ug/L	10.2	1550	ug/L	10.2	0.66%
Be 234.861†	50628.8	518	ug/L	2.4	518	ug/L	2.4	0.47%
Ca 315.887†	448963.9	51200	ug/L	150.6	51200	ug/L	150.6	0.29%
Cd 226.502†	1813.4	519	ug/L	0.8	519	ug/L	0.8	0.16%
Co 228.616†	5920.5	493	ug/L	2.7	493	ug/L	2.7	0.55%
Cr 267.716†	8872.1	510	ug/L	3.0	510	ug/L	3.0	0.60%
Cu 324.752†	125087.2	494	ug/L	3.0	494	ug/L	3.0	0.61%
Fe 259.939†	572049.3	50600	ug/L	270.5	50600	ug/L	270.5	0.53%
K 766.490†	256850.3	49400	ug/L	115.2	49400	ug/L	115.2	0.23%
Li 460.286†	72759.2	4790	ug/L	35.1	4790	ug/L	35.1	0.73%
Mg 279.077†	351145.4	51000	ug/L	211.1	51000	ug/L	211.1	0.41%
Mn 257.610†	145274.1	519	ug/L	4.1	519	ug/L	4.1	0.79%
Mo 202.031†	882.6	538	ug/L	2.3	538	ug/L	2.3	0.43%
Na 589.592†	624506.9	52800	ug/L	523.6	52800	ug/L	523.6	0.99%
Ni 231.604†	2516.3	519	ug/L	1.1	519	ug/L	1.1	0.22%
Pb 220.353†	375.6	543	ug/L	13.8	543	ug/L	13.8	2.54%
Sb 206.836†	456.7	540	ug/L	6.3	540	ug/L	6.3	1.16%
Se 196.026†	148.9	519	ug/L	17.9	519	ug/L	17.9	3.44%
Sn 189.927†	357.6	568	ug/L	7.6	568	ug/L	7.6	1.34%
Sr 421.552†	456803.7	494	ug/L	0.6	494	ug/L	0.6	0.12%
Ti 334.940†	178550.1	513	ug/L	1.8	513	ug/L	1.8	0.35%
Tl 190.801†	376.4	536	ug/L	19.3	536	ug/L	19.3	3.61%
V 292.402†	9488.5	521	ug/L	3.3	521	ug/L	3.3	0.63%
Zn 206.200†	2805.9	558	ug/L	1.5	558	ug/L	1.5	0.27%

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Sequence No.: 41 **Autosampler Location: 63**
Sample ID: 250734903A **Date Collected: 8/21/2007 6:20:06 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250734903A

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1149360.3	96.7	%	0.41				0.42%
Sc Radial	202683.0	98.6	%	0.65				0.65%
Ag 328.068†	32958.9	521	ug/L	4.8	521	ug/L	4.8	0.92%
Al 308.215†	149047.7	50100	ug/L	73.6	50100	ug/L	73.6	0.15%
As 188.979†	332.4	528	ug/L	5.8	528	ug/L	5.8	1.10%
Ba 233.527†	33775.3	548	ug/L	0.3	548	ug/L	0.3	0.06%
Be 234.861†	51388.6	526	ug/L	2.4	526	ug/L	2.4	0.46%
Ca 315.887†	449192.4	51200	ug/L	187.6	51200	ug/L	187.6	0.37%
Cd 226.502†	1836.9	526	ug/L	4.6	526	ug/L	4.6	0.87%
Co 228.616†	6131.5	511	ug/L	3.3	511	ug/L	3.3	0.64%
Cr 267.716†	9106.6	524	ug/L	0.7	524	ug/L	0.7	0.14%
Cu 324.752†	129186.8	510	ug/L	1.7	510	ug/L	1.7	0.33%
Fe 259.939†	580636.5	51300	ug/L	391.2	51300	ug/L	391.2	0.76%
K 766.490†	259665.7	49900	ug/L	388.2	49900	ug/L	388.2	0.78%
Li 460.286†	3776.6	9.16	ug/L	1.940	9.16	ug/L	1.940	21.18%
Mg 279.077†	351557.9	51100	ug/L	510.5	51100	ug/L	510.5	1.00%
Mn 257.610†	148687.5	531	ug/L	0.5	531	ug/L	0.5	0.10%
Mo 202.031†	910.0	555	ug/L	3.0	555	ug/L	3.0	0.55%
Na 589.592†	627643.2	53100	ug/L	416.1	53100	ug/L	416.1	0.78%
Ni 231.604†	2618.1	540	ug/L	3.7	540	ug/L	3.7	0.69%
Pb 220.353†	381.5	551	ug/L	13.4	551	ug/L	13.4	2.44%
Sb 206.836†	457.5	539	ug/L	5.0	539	ug/L	5.0	0.93%
Se 196.026†	147.4	514	ug/L	4.8	514	ug/L	4.8	0.93%
Sn 189.927†	-6.0	-3.74	ug/L	5.406	-3.74	ug/L	5.406	144.42%
Sr 421.552†	12380.1	12.4	ug/L	0.05	12.4	ug/L	0.05	0.39%
Ti 334.940†	1618.6	4.59	ug/L	0.044	4.59	ug/L	0.044	0.96%
Tl 190.801†	382.0	544	ug/L	14.9	544	ug/L	14.9	2.74%
V 292.402†	9627.9	529	ug/L	1.2	529	ug/L	1.2	0.23%
Zn 206.200†	2858.8	569	ug/L	2.9	569	ug/L	2.9	0.51%

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Sequence No.: 42 **Autosampler Location: 64**
Sample ID: 250734906 **Date Collected: 8/21/2007 6:24:07 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250734906

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1220994.7	103	%	0.4				0.41%
Sc Radial	211141.6	103	%	0.5				0.49%
Ag 328.068†	-30.9	-2.39	ug/L	0.136	-2.39	ug/L	0.136	5.72%
Al 308.215†	-66.3	-11.2	ug/L	2.30	-11.2	ug/L	2.30	20.57%
As 188.979†	-2.2	-1.02	ug/L	0.760	-1.02	ug/L	0.760	74.50%
Ba 233.527†	7.0	-0.080	ug/L	0.0266	-0.080	ug/L	0.0266	33.40%
Be 234.861†	-5.3	-0.070	ug/L	0.0203	-0.070	ug/L	0.0203	28.87%
Ca 315.887†	254.3	24.6	ug/L	0.49	24.6	ug/L	0.49	2.01%
Cd 226.502†	0.7	-0.066	ug/L	0.6248	-0.066	ug/L	0.6248	944.92%
Co 228.616†	-1.9	-0.166	ug/L	0.1634	-0.166	ug/L	0.1634	98.58%
Cr 267.716†	1.2	0.027	ug/L	0.2902	0.027	ug/L	0.2902	>999.9%
Cu 324.752†	-512.5	-1.96	ug/L	0.034	-1.96	ug/L	0.034	1.73%
Fe 259.939†	53.7	2.72	ug/L	0.350	2.72	ug/L	0.350	12.87%
K 766.490†	-148.5	-21.3	ug/L	0.61	-21.3	ug/L	0.61	2.86%
Li 460.286†	-134.2	-4.62	ug/L	1.598	-4.62	ug/L	1.598	34.60%
Mg 279.077†	26.4	0.083	ug/L	1.2473	0.083	ug/L	1.2473	>999.9%
Mn 257.610†	16.9	-1.06	ug/L	0.027	-1.06	ug/L	0.027	2.57%
Mo 202.031†	3.7	0.588	ug/L	0.5237	0.588	ug/L	0.5237	89.06%
Na 589.592†	-1969.9	-152	ug/L	1.0	-152	ug/L	1.0	0.68%
Ni 231.604†	2.2	-0.939	ug/L	0.6632	-0.939	ug/L	0.6632	70.62%
Pb 220.353†	-4.1	-5.61	ug/L	4.713	-5.61	ug/L	4.713	84.08%
Sb 206.836†	-0.7	2.21	ug/L	3.359	2.21	ug/L	3.359	152.10%
Se 196.026†	-0.4	3.14	ug/L	1.920	3.14	ug/L	1.920	61.20%
Sn 189.927†	-3.4	-1.60	ug/L	2.121	-1.60	ug/L	2.121	132.30%
Sr 421.552†	20.5	0.024	ug/L	0.0123	0.024	ug/L	0.0123	50.31%
Ti 334.940†	98.1	0.219	ug/L	0.0176	0.219	ug/L	0.0176	8.00%
Tl 190.801†	0.3	0.278	ug/L	2.6000	0.278	ug/L	2.6000	936.85%
V 292.402†	3.0	-0.058	ug/L	0.1211	-0.058	ug/L	0.1211	207.62%
Zn 206.200†	-2.8	-4.11	ug/L	0.712	-4.11	ug/L	0.712	17.34%

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Sequence No.: 43 **Autosampler Location: 65**
Sample ID: 250737401 **Date Collected: 8/21/2007 6:28:34 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250737401

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1193036.6	100	%	0.3				0.32%
Sc Radial	210574.1	102	%	0.3				0.29%
Ag 328.068†	-40.8	-2.45	ug/L	0.106	-2.45	ug/L	0.106	4.34%
Al 308.215†	28.3	20.7	ug/L	1.45	20.7	ug/L	1.45	7.00%
As 188.979†	-1.7	-0.229	ug/L	3.4692	-0.229	ug/L	3.4692	>999.9%
Ba 233.527†	887.3	14.3	ug/L	0.09	14.3	ug/L	0.09	0.65%
Be 234.861†	-3.6	-0.077	ug/L	0.0107	-0.077	ug/L	0.0107	13.88%
Ca 315.887†	109138.0	12400	ug/L	13.2	12400	ug/L	13.2	0.11%
Cd 226.502†	9.7	1.90	ug/L	1.053	1.90	ug/L	1.053	55.59%
Co 228.616†	-3.1	-0.271	ug/L	0.2114	-0.271	ug/L	0.2114	77.94%
Cr 267.716†	-7.9	-0.493	ug/L	0.3765	-0.493	ug/L	0.3765	76.43%
Cu 324.752†	-405.1	-1.34	ug/L	0.076	-1.34	ug/L	0.076	5.68%
Fe 259.939†	6657.8	587	ug/L	3.0	587	ug/L	3.0	0.51%
K 766.490†	5302.2	1030	ug/L	7.6	1030	ug/L	7.6	0.74%
Li 460.286†	-140.6	-8.64	ug/L	1.889	-8.64	ug/L	1.889	21.87%
Mg 279.077†	13218.7	1920	ug/L	1.0	1920	ug/L	1.0	0.05%
Mn 257.610†	6611.4	22.6	ug/L	0.02	22.6	ug/L	0.02	0.10%
Mo 202.031†	1.4	-0.715	ug/L	0.4342	-0.715	ug/L	0.4342	60.74%
Na 589.592†	40706.4	3460	ug/L	11.3	3460	ug/L	11.3	0.33%
Ni 231.604†	2.1	-0.983	ug/L	1.2235	-0.983	ug/L	1.2235	124.48%
Pb 220.353†	-7.6	-9.28	ug/L	1.436	-9.28	ug/L	1.436	15.48%
Sb 206.836†	-1.7	0.760	ug/L	3.1139	0.760	ug/L	3.1139	409.51%
Se 196.026†	-1.8	-1.62	ug/L	4.196	-1.62	ug/L	4.196	258.97%
Sn 189.927†	-6.8	-6.31	ug/L	1.802	-6.31	ug/L	1.802	28.56%
Sr 421.552†	75559.4	81.6	ug/L	0.32	81.6	ug/L	0.32	0.39%
Ti 334.940†	193.6	0.494	ug/L	0.0229	0.494	ug/L	0.0229	4.64%
Tl 190.801†	3.5	4.87	ug/L	2.650	4.87	ug/L	2.650	54.38%
V 292.402†	18.9	0.839	ug/L	0.1659	0.839	ug/L	0.1659	19.77%
Zn 206.200†	18.9	0.244	ug/L	0.9367	0.244	ug/L	0.9367	383.92%

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Sequence No.: 44 **Autosampler Location: 66**
Sample ID: 250737402 **Date Collected: 8/21/2007 6:32:46 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250737402

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1171785.3	98.6	%	0.28				0.28%
Sc Radial	204211.7	99.4	%	0.52				0.53%
Ag 328.068†	-49.2	-2.50	ug/L	0.193	-2.50	ug/L	0.193	7.71%
Al 308.215†	194.1	76.4	ug/L	3.60	76.4	ug/L	3.60	4.71%
As 188.979†	-2.5	-1.36	ug/L	4.542	-1.36	ug/L	4.542	333.76%
Ba 233.527†	928.0	14.9	ug/L	0.21	14.9	ug/L	0.21	1.42%
Be 234.861†	5.8	-0.087	ug/L	0.0113	-0.087	ug/L	0.0113	13.02%
Ca 315.887†	96312.4	11000	ug/L	16.6	11000	ug/L	16.6	0.15%
Cd 226.502†	10.5	1.87	ug/L	0.735	1.87	ug/L	0.735	39.32%
Co 228.616†	4.6	0.294	ug/L	0.0818	0.294	ug/L	0.0818	27.82%
Cr 267.716†	10.4	0.507	ug/L	0.4683	0.507	ug/L	0.4683	92.33%
Cu 324.752†	-138.4	-0.247	ug/L	0.2140	-0.247	ug/L	0.2140	86.67%
Fe 259.939†	35513.1	3140	ug/L	26.9	3140	ug/L	26.9	0.86%
K 766.490†	5135.5	994	ug/L	8.9	994	ug/L	8.9	0.90%
Li 460.286†	27.7	-9.35	ug/L	1.820	-9.35	ug/L	1.820	19.47%
Mg 279.077†	11022.3	1600	ug/L	5.1	1600	ug/L	5.1	0.32%
Mn 257.610†	14038.7	49.3	ug/L	0.23	49.3	ug/L	0.23	0.47%
Mo 202.031†	1.7	-0.384	ug/L	0.7722	-0.384	ug/L	0.7722	200.96%
Na 589.592†	38903.1	3300	ug/L	9.1	3300	ug/L	9.1	0.27%
Ni 231.604†	2.9	-0.887	ug/L	0.4139	-0.887	ug/L	0.4139	46.69%
Pb 220.353†	-7.0	-8.64	ug/L	2.887	-8.64	ug/L	2.887	33.39%
Sb 206.836†	-2.5	-0.218	ug/L	3.3884	-0.218	ug/L	3.3884	>999.9%
Se 196.026†	-0.7	2.46	ug/L	4.357	2.46	ug/L	4.357	176.79%
Sn 189.927†	-6.2	-5.40	ug/L	1.675	-5.40	ug/L	1.675	31.02%
Sr 421.552†	64271.0	69.4	ug/L	0.12	69.4	ug/L	0.12	0.17%
Ti 334.940†	379.0	1.03	ug/L	0.010	1.03	ug/L	0.010	0.98%
Tl 190.801†	0.1	-0.360	ug/L	3.2100	-0.360	ug/L	3.2100	892.36%
V 292.402†	13.4	0.787	ug/L	0.1617	0.787	ug/L	0.1617	20.54%
Zn 206.200†	14.0	-0.787	ug/L	0.9499	-0.787	ug/L	0.9499	120.62%

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Sequence No.: 45 **Autosampler Location: 67**
Sample ID: 250737403 **Date Collected: 8/21/2007 6:36:58 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250737403

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1178739.9	99.2	%	0.30				0.30%
Sc Radial	204762.8	99.7	%	0.26				0.26%
Ag 328.068†	-57.4	-2.42	ug/L	0.023	-2.42	ug/L	0.023	0.94%
Al 308.215†	562.4	200	ug/L	2.5	200	ug/L	2.5	1.25%
As 188.979†	-1.2	1.03	ug/L	2.699	1.03	ug/L	2.699	263.00%
Ba 233.527†	981.9	15.8	ug/L	0.12	15.8	ug/L	0.12	0.73%
Be 234.861†	33.7	-0.039	ug/L	0.0284	-0.039	ug/L	0.0284	72.49%
Ca 315.887†	77298.0	8810	ug/L	19.3	8810	ug/L	19.3	0.22%
Cd 226.502†	11.1	1.44	ug/L	0.408	1.44	ug/L	0.408	28.33%
Co 228.616†	13.7	0.882	ug/L	0.3252	0.882	ug/L	0.3252	36.86%
Cr 267.716†	16.6	0.752	ug/L	0.4565	0.752	ug/L	0.4565	60.68%
Cu 324.752†	-153.9	-0.189	ug/L	0.1590	-0.189	ug/L	0.1590	84.03%
Fe 259.939†	100011.3	8840	ug/L	47.7	8840	ug/L	47.7	0.54%
K 766.490†	12285.6	2370	ug/L	10.3	2370	ug/L	10.3	0.44%
Li 460.286†	327.4	-16.3	ug/L	2.54	-16.3	ug/L	2.54	15.61%
Mg 279.077†	11427.7	1660	ug/L	6.4	1660	ug/L	6.4	0.39%
Mn 257.610†	19613.1	69.3	ug/L	0.16	69.3	ug/L	0.16	0.23%
Mo 202.031†	2.1	0.351	ug/L	0.3943	0.351	ug/L	0.3943	112.26%
Na 589.592†	37870.5	3220	ug/L	2.1	3220	ug/L	2.1	0.07%
Ni 231.604†	2.8	-1.05	ug/L	0.459	-1.05	ug/L	0.459	43.52%
Pb 220.353†	-4.9	-6.06	ug/L	6.348	-6.06	ug/L	6.348	104.77%
Sb 206.836†	-1.1	1.34	ug/L	2.530	1.34	ug/L	2.530	189.10%
Se 196.026†	-1.2	1.40	ug/L	9.927	1.40	ug/L	9.927	708.46%
Sn 189.927†	-4.8	-3.45	ug/L	3.750	-3.45	ug/L	3.750	108.57%
Sr 421.552†	54499.5	58.8	ug/L	0.07	58.8	ug/L	0.07	0.11%
Ti 334.940†	818.3	2.29	ug/L	0.033	2.29	ug/L	0.033	1.46%
Tl 190.801†	3.9	4.61	ug/L	9.640	4.61	ug/L	9.640	209.23%
V 292.402†	50.3	3.30	ug/L	0.243	3.30	ug/L	0.243	7.36%
Zn 206.200†	65.5	9.35	ug/L	0.290	9.35	ug/L	0.290	3.10%

Sequence No.: 46 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 8/21/2007 6:41:10 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1155017.3	97.2	%	0.15				0.16%
Sc Radial	202462.9	98.5	%	0.49				0.50%
Ag 328.068†	32285.4	510	ug/L	3.9	510	ug/L	3.9	0.76%
QC value within limits for Ag 328.068 Recovery = 101.99%								
Al 308.215†	72567.4	24400	ug/L	32.8	24400	ug/L	32.8	0.13%
QC value within limits for Al 308.215 Recovery = 97.62%								
As 188.979†	331.3	525	ug/L	5.6	525	ug/L	5.6	1.06%
QC value within limits for As 188.979 Recovery = 105.05%								
Ba 233.527†	32319.4	525	ug/L	1.1	525	ug/L	1.1	0.21%
QC value within limits for Ba 233.527 Recovery = 104.93%								
Be 234.861†	49921.4	511	ug/L	2.6	511	ug/L	2.6	0.51%
QC value within limits for Be 234.861 Recovery = 102.19%								
Ca 315.887†	214054.8	24400	ug/L	53.1	24400	ug/L	53.1	0.22%
QC value within limits for Ca 315.887 Recovery = 97.56%								
Cd 226.502†	1815.3	523	ug/L	1.5	523	ug/L	1.5	0.29%
QC value within limits for Cd 226.502 Recovery = 104.52%								
Co 228.616†	6067.8	505	ug/L	1.5	505	ug/L	1.5	0.31%
QC value within limits for Co 228.616 Recovery = 101.05%								
Cr 267.716†	8975.2	516	ug/L	0.5	516	ug/L	0.5	0.10%
QC value within limits for Cr 267.716 Recovery = 103.20%								
Cu 324.752†	124920.4	492	ug/L	0.6	492	ug/L	0.6	0.12%
QC value within limits for Cu 324.752 Recovery = 98.49%								
Fe 259.939†	448424.6	39700	ug/L	83.5	39700	ug/L	83.5	0.21%
QC value within limits for Fe 259.939 Recovery = 99.14%								
K 766.490†	123596.2	23800	ug/L	25.7	23800	ug/L	25.7	0.11%
QC value within limits for K 766.490 Recovery = 95.05%								
Li 460.286†	72561.9	4830	ug/L	11.0	4830	ug/L	11.0	0.23%
Mg 279.077†	176867.2	25700	ug/L	90.2	25700	ug/L	90.2	0.35%
QC value within limits for Mg 279.077 Recovery = 102.79%								
Mn 257.610†	144361.7	517	ug/L	2.4	517	ug/L	2.4	0.47%
QC value within limits for Mn 257.610 Recovery = 103.32%								
Mo 202.031†	897.0	546	ug/L	3.5	546	ug/L	3.5	0.64%
QC value within limits for Mo 202.031 Recovery = 109.15%								
Na 589.592†	285651.8	24200	ug/L	5.2	24200	ug/L	5.2	0.02%
QC value within limits for Na 589.592 Recovery = 96.65%								
Ni 231.604†	2608.6	538	ug/L	1.8	538	ug/L	1.8	0.34%
QC value within limits for Ni 231.604 Recovery = 107.68%								
Pb 220.353†	385.8	555	ug/L	4.6	555	ug/L	4.6	0.84%
QC value greater than the upper limit for Pb 220.353 Recovery = 110.92%								
Sb 206.836†	436.6	517	ug/L	6.0	517	ug/L	6.0	1.15%
QC value within limits for Sb 206.836 Recovery = 103.37%								
Se 196.026†	146.2	508	ug/L	9.7	508	ug/L	9.7	1.91%
QC value within limits for Se 196.026 Recovery = 101.59%								
Sn 189.927†	278.2	442	ug/L	3.6	442	ug/L	3.6	0.81%
QC value greater than the upper limit for Sn 189.927 Recovery = 110.43%								
Sr 421.552†	356417.5	385	ug/L	0.9	385	ug/L	0.9	0.23%
QC value within limits for Sr 421.552 Recovery = 96.35%								
Ti 334.940†	140808.7	404	ug/L	0.5	404	ug/L	0.5	0.12%
QC value within limits for Ti 334.940 Recovery = 101.11%								
Tl 190.801†	383.7	548	ug/L	3.5	548	ug/L	3.5	0.64%
QC value within limits for Tl 190.801 Recovery = 109.56%								
V 292.402†	9311.9	511	ug/L	0.8	511	ug/L	0.8	0.16%
QC value within limits for V 292.402 Recovery = 102.11%								
Zn 206.200†	2812.8	560	ug/L	1.8	560	ug/L	1.8	0.33%
QC value greater than the upper limit for Zn 206.200 Recovery = 112.08%								

QC Failed. Retry.

Sequence No.: 47 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 8/21/2007 6:43:42 PM**

Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1150856.2	96.8	%	0.49				0.50%
Sc Radial	198981.7	96.8	%	0.19				0.20%
Ag 328.068†	32495.6	513	ug/L	1.9	513	ug/L	1.9	0.38%
QC value within limits for Ag 328.068 Recovery = 102.65%								
Al 308.215†	73150.4	24600	ug/L	23.1	24600	ug/L	23.1	0.09%
QC value within limits for Al 308.215 Recovery = 98.40%								
As 188.979†	329.7	523	ug/L	6.7	523	ug/L	6.7	1.29%
QC value within limits for As 188.979 Recovery = 104.55%								
Ba 233.527†	32516.7	528	ug/L	1.0	528	ug/L	1.0	0.19%
QC value within limits for Ba 233.527 Recovery = 105.57%								
Be 234.861†	50249.3	514	ug/L	1.5	514	ug/L	1.5	0.30%
QC value within limits for Be 234.861 Recovery = 102.86%								
Ca 315.887†	214890.0	24500	ug/L	66.3	24500	ug/L	66.3	0.27%
QC value within limits for Ca 315.887 Recovery = 97.94%								
Cd 226.502†	1817.6	523	ug/L	1.9	523	ug/L	1.9	0.36%
QC value within limits for Cd 226.502 Recovery = 104.65%								
Co 228.616†	6108.0	509	ug/L	2.7	509	ug/L	2.7	0.52%
QC value within limits for Co 228.616 Recovery = 101.72%								
Cr 267.716†	8932.3	514	ug/L	2.2	514	ug/L	2.2	0.44%
QC value within limits for Cr 267.716 Recovery = 102.70%								
Cu 324.752†	125147.6	493	ug/L	0.7	493	ug/L	0.7	0.14%
QC value within limits for Cu 324.752 Recovery = 98.67%								
Fe 259.939†	451363.7	39900	ug/L	93.2	39900	ug/L	93.2	0.23%
QC value within limits for Fe 259.939 Recovery = 99.79%								
K 766.490†	124533.4	23900	ug/L	15.8	23900	ug/L	15.8	0.07%
QC value within limits for K 766.490 Recovery = 95.77%								
Li 460.286†	72626.3	4830	ug/L	9.8	4830	ug/L	9.8	0.20%
Mg 279.077†	180090.3	26200	ug/L	142.7	26200	ug/L	142.7	0.55%
QC value within limits for Mg 279.077 Recovery = 104.66%								
Mn 257.610†	145057.8	519	ug/L	1.2	519	ug/L	1.2	0.22%
QC value within limits for Mn 257.610 Recovery = 103.82%								
Mo 202.031†	899.2	547	ug/L	3.1	547	ug/L	3.1	0.56%
QC value within limits for Mo 202.031 Recovery = 109.42%								
Na 589.592†	288339.1	24400	ug/L	11.1	24400	ug/L	11.1	0.05%
QC value within limits for Na 589.592 Recovery = 97.56%								
Ni 231.604†	2606.9	538	ug/L	0.9	538	ug/L	0.9	0.17%
QC value within limits for Ni 231.604 Recovery = 107.61%								
Pb 220.353†	387.6	557	ug/L	8.7	557	ug/L	8.7	1.56%
QC value greater than the upper limit for Pb 220.353 Recovery = 111.43%								
Sb 206.836†	440.0	521	ug/L	7.2	521	ug/L	7.2	1.38%
QC value within limits for Sb 206.836 Recovery = 104.18%								
Se 196.026†	148.8	517	ug/L	17.0	517	ug/L	17.0	3.28%
QC value within limits for Se 196.026 Recovery = 103.38%								
Sn 189.927†	281.3	447	ug/L	5.2	447	ug/L	5.2	1.18%
QC value greater than the upper limit for Sn 189.927 Recovery = 111.64%								
Sr 421.552†	362353.4	392	ug/L	0.5	392	ug/L	0.5	0.14%
QC value within limits for Sr 421.552 Recovery = 97.96%								
Ti 334.940†	141504.0	406	ug/L	0.3	406	ug/L	0.3	0.07%
QC value within limits for Ti 334.940 Recovery = 101.60%								
Tl 190.801†	388.7	555	ug/L	7.3	555	ug/L	7.3	1.32%
QC value greater than the upper limit for Tl 190.801 Recovery = 111.02%								
V 292.402†	9338.3	512	ug/L	1.5	512	ug/L	1.5	0.30%
QC value within limits for V 292.402 Recovery = 102.40%								
Zn 206.200†	2830.9	564	ug/L	3.8	564	ug/L	3.8	0.67%
QC value greater than the upper limit for Zn 206.200 Recovery = 112.80%								

QC Failed. Continue with analysis.

Sequence No.: 48 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 8/21/2007 6:47:34 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1171998.7	98.6	%	0.72				0.73%
Sc Radial	199341.5	97.0	%	0.24				0.25%
Ag 328.068†	-39.9	-2.53	ug/L	0.038	-2.53	ug/L	0.038	1.49%
QC value less than the lower limit for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-70.3	-12.5	ug/L	0.53	-12.5	ug/L	0.53	4.25%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	0.2	2.67	ug/L	3.429	2.67	ug/L	3.429	128.54%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-1.9	-0.224	ug/L	0.0551	-0.224	ug/L	0.0551	24.63%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-9.6	-0.114	ug/L	0.0189	-0.114	ug/L	0.0189	16.64%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	30.7	-0.927	ug/L	0.5188	-0.927	ug/L	0.5188	55.95%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	0.2	-0.205	ug/L	0.5571	-0.205	ug/L	0.5571	272.29%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-2.8	-0.242	ug/L	0.1130	-0.242	ug/L	0.1130	46.62%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-4.2	-0.285	ug/L	0.2947	-0.285	ug/L	0.2947	103.57%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-456.8	-1.74	ug/L	0.183	-1.74	ug/L	0.183	10.51%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	14.1	-0.783	ug/L	0.2463	-0.783	ug/L	0.2463	31.46%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-198.3	-30.9	ug/L	5.63	-30.9	ug/L	5.63	18.22%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	-189.8	-8.45	ug/L	1.646	-8.45	ug/L	1.646	19.47%
Mg 279.077†	25.0	-0.120	ug/L	1.0454	-0.120	ug/L	1.0454	874.26%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	8.1	-1.09	ug/L	0.009	-1.09	ug/L	0.009	0.84%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	4.2	0.892	ug/L	1.3060	0.892	ug/L	1.3060	146.33%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-1978.1	-152	ug/L	1.8	-152	ug/L	1.8	1.19%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	2.4	-0.909	ug/L	1.1837	-0.909	ug/L	1.1837	130.27%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-3.0	-4.08	ug/L	0.951	-4.08	ug/L	0.951	23.30%
QC value less than the lower limit for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-1.6	1.15	ug/L	2.494	1.15	ug/L	2.494	216.40%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	0.8	7.29	ug/L	2.597	7.29	ug/L	2.597	35.62%
QC value greater than the upper limit for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-4.5	-3.39	ug/L	3.589	-3.39	ug/L	3.589	105.88%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	16.2	0.020	ug/L	0.0082	0.020	ug/L	0.0082	40.64%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	14.6	-0.021	ug/L	0.0318	-0.021	ug/L	0.0318	154.83%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-2.6	-4.02	ug/L	2.500	-4.02	ug/L	2.500	62.14%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	3.9	-0.006	ug/L	0.2258	-0.006	ug/L	0.2258	>999.9%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-13.6	-6.27	ug/L	0.727	-6.27	ug/L	0.727	11.60%
QC value less than the lower limit for Zn 206.200 Recovery = Not calculated								

QC Failed. Retry.

Sequence No.: 49 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 8/21/2007 6:50:18 PM**

Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1208103.2	102	%	0.5				0.47%
Sc Radial	206402.3	100	%	0.6				0.63%
Ag 328.068†	-39.4	-2.52	ug/L	0.262	-2.52	ug/L	0.262	10.40%
QC value less than the lower limit for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-60.4	-9.16	ug/L	0.868	-9.16	ug/L	0.868	9.48%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-2.1	-0.917	ug/L	0.3328	-0.917	ug/L	0.3328	36.29%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	4.1	-0.128	ug/L	0.0743	-0.128	ug/L	0.0743	58.12%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-6.1	-0.078	ug/L	0.0145	-0.078	ug/L	0.0145	18.65%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	35.1	-0.434	ug/L	1.6419	-0.434	ug/L	1.6419	378.69%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	-0.9	-0.535	ug/L	0.0843	-0.535	ug/L	0.0843	15.76%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-3.3	-0.283	ug/L	0.0846	-0.283	ug/L	0.0846	29.87%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-3.0	-0.217	ug/L	0.0107	-0.217	ug/L	0.0107	4.94%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-577.4	-2.21	ug/L	0.091	-2.21	ug/L	0.091	4.13%
QC value less than the lower limit for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	6.8	-1.43	ug/L	0.454	-1.43	ug/L	0.454	31.74%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-212.4	-33.6	ug/L	1.99	-33.6	ug/L	1.99	5.93%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	-188.4	-8.35	ug/L	1.211	-8.35	ug/L	1.211	14.50%
Mg 279.077†	8.9	-2.47	ug/L	1.355	-2.47	ug/L	1.355	54.90%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-7.5	-1.15	ug/L	0.004	-1.15	ug/L	0.004	0.32%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	3.4	0.416	ug/L	0.1719	0.416	ug/L	0.1719	41.27%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-2037.9	-158	ug/L	2.9	-158	ug/L	2.9	1.82%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	1.9	-1.01	ug/L	0.705	-1.01	ug/L	0.705	70.03%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-3.2	-4.44	ug/L	5.877	-4.44	ug/L	5.877	132.48%
QC value less than the lower limit for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	0.6	3.73	ug/L	1.252	3.73	ug/L	1.252	33.54%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	0.3	5.52	ug/L	7.233	5.52	ug/L	7.233	130.96%
QC value greater than the upper limit for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-1.6	1.23	ug/L	0.503	1.23	ug/L	0.503	40.77%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	28.2	0.033	ug/L	0.0243	0.033	ug/L	0.0243	73.31%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	4.4	-0.050	ug/L	0.0184	-0.050	ug/L	0.0184	36.86%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-1.3	-2.13	ug/L	6.122	-2.13	ug/L	6.122	286.88%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	0.2	-0.207	ug/L	0.0934	-0.207	ug/L	0.0934	45.06%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-14.1	-6.37	ug/L	0.060	-6.37	ug/L	0.060	0.95%
QC value less than the lower limit for Zn 206.200 Recovery = Not calculated								

QC Failed. Continue with analysis.

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Sequence No.: 50 **Autosampler Location: 68**
Sample ID: 250737404 **Date Collected: 8/21/2007 6:54:22 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250737404

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1191449.1	100	%	0.3				0.32%
Sc Radial	207081.5	101	%	0.5				0.47%
Ag 328.068†	-42.2	-2.42	ug/L	0.091	-2.42	ug/L	0.091	3.77%
Al 308.215†	221.6	85.6	ug/L	1.61	85.6	ug/L	1.61	1.88%
As 188.979†	-0.2	2.18	ug/L	2.116	2.18	ug/L	2.116	96.91%
Ba 233.527†	852.2	13.7	ug/L	0.12	13.7	ug/L	0.12	0.88%
Be 234.861†	3.8	-0.095	ug/L	0.0337	-0.095	ug/L	0.0337	35.40%
Ca 315.887†	68171.0	7760	ug/L	13.9	7760	ug/L	13.9	0.18%
Cd 226.502†	9.5	1.78	ug/L	0.432	1.78	ug/L	0.432	24.22%
Co 228.616†	12.2	0.942	ug/L	0.3576	0.942	ug/L	0.3576	37.96%
Cr 267.716†	4.5	0.168	ug/L	0.2627	0.168	ug/L	0.2627	156.65%
Cu 324.752†	-357.6	-1.16	ug/L	0.040	-1.16	ug/L	0.040	3.42%
Fe 259.939†	32090.8	2840	ug/L	13.9	2840	ug/L	13.9	0.49%
K 766.490†	3606.1	700	ug/L	4.6	700	ug/L	4.6	0.65%
Li 460.286†	-53.1	-13.3	ug/L	2.64	-13.3	ug/L	2.64	19.89%
Mg 279.077†	8349.3	1210	ug/L	7.7	1210	ug/L	7.7	0.63%
Mn 257.610†	21140.1	74.8	ug/L	0.25	74.8	ug/L	0.25	0.34%
Mo 202.031†	2.1	-0.138	ug/L	1.1809	-0.138	ug/L	1.1809	855.05%
Na 589.592†	34657.7	2940	ug/L	1.6	2940	ug/L	1.6	0.05%
Ni 231.604†	0.7	-1.32	ug/L	1.140	-1.32	ug/L	1.140	86.34%
Pb 220.353†	-0.4	0.332	ug/L	5.5322	0.332	ug/L	5.5322	>999.9%
Sb 206.836†	-0.6	2.10	ug/L	1.380	2.10	ug/L	1.380	65.81%
Se 196.026†	-1.2	0.870	ug/L	5.6227	0.870	ug/L	5.6227	646.07%
Sn 189.927†	-5.7	-4.85	ug/L	0.438	-4.85	ug/L	0.438	9.03%
Sr 421.552†	44879.2	48.4	ug/L	0.01	48.4	ug/L	0.01	0.03%
Ti 334.940†	460.7	1.26	ug/L	0.020	1.26	ug/L	0.020	1.60%
Tl 190.801†	-0.4	-1.11	ug/L	3.156	-1.11	ug/L	3.156	283.93%
V 292.402†	19.3	1.08	ug/L	0.109	1.08	ug/L	0.109	10.06%
Zn 206.200†	41.2	4.66	ug/L	1.119	4.66	ug/L	1.119	24.03%

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Sequence No.: 51 **Autosampler Location: 69**
Sample ID: 250737405 **Date Collected: 8/21/2007 6:58:34 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250737405

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1211472.5	102	%	0.1				0.09%
Sc Radial	211009.8	103	%	0.4				0.38%
Ag 328.068†	-151.5	-1.84	ug/L	0.062	-1.84	ug/L	0.062	3.37%
Al 308.215†	535.8	191	ug/L	2.1	191	ug/L	2.1	1.12%
As 188.979†	20.3	37.1	ug/L	1.10	37.1	ug/L	1.10	2.97%
Ba 233.527†	1390.2	22.4	ug/L	0.06	22.4	ug/L	0.06	0.25%
Be 234.861†	284.9	0.282	ug/L	0.1971	0.282	ug/L	0.1971	69.90%
Ca 315.887†	132999.4	15200	ug/L	41.9	15200	ug/L	41.9	0.28%
Cd 226.502†	42.3	3.39	ug/L	0.242	3.39	ug/L	0.242	7.13%
Co 228.616†	10.6	-1.00	ug/L	0.261	-1.00	ug/L	0.261	26.03%
Cr 267.716†	18.6	-0.190	ug/L	0.0995	-0.190	ug/L	0.0995	52.51%
Cu 324.752†	-673.7	-0.709	ug/L	0.0752	-0.709	ug/L	0.0752	10.61%
Fe 259.939†	710889.6	62900	ug/L	134.0	62900	ug/L	134.0	0.21%
K 766.490†	8332.4	1610	ug/L	15.1	1610	ug/L	15.1	0.94%
Li 460.286†	3713.4	-45.6	ug/L	0.64	-45.6	ug/L	0.64	1.40%
Mg 279.077†	11986.0	1740	ug/L	5.7	1740	ug/L	5.7	0.33%
Mn 257.610†	42788.1	153	ug/L	0.5	153	ug/L	0.5	0.36%
Mo 202.031†	-2.7	1.70	ug/L	1.497	1.70	ug/L	1.497	88.15%
Na 589.592†	95719.4	8110	ug/L	18.1	8110	ug/L	18.1	0.22%
Ni 231.604†	11.7	-0.703	ug/L	1.0777	-0.703	ug/L	1.0777	153.28%
Pb 220.353†	-1.6	-2.46	ug/L	3.709	-2.46	ug/L	3.709	150.77%
Sb 206.836†	-0.5	0.913	ug/L	2.3964	0.913	ug/L	2.3964	262.42%
Se 196.026†	-4.8	-4.51	ug/L	14.618	-4.51	ug/L	14.618	323.79%
Sn 189.927†	-6.9	-6.36	ug/L	0.943	-6.36	ug/L	0.943	14.83%
Sr 421.552†	88624.9	95.7	ug/L	0.28	95.7	ug/L	0.28	0.29%
Ti 334.940†	701.4	1.95	ug/L	0.028	1.95	ug/L	0.028	1.44%
Tl 190.801†	-1.6	-8.46	ug/L	2.468	-8.46	ug/L	2.468	29.16%
V 292.402†	-87.0	0.890	ug/L	0.1839	0.890	ug/L	0.1839	20.67%
Zn 206.200†	44.9	3.88	ug/L	0.948	3.88	ug/L	0.948	24.46%

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Sequence No.: 52 **Autosampler Location: 70**
Sample ID: 250737406 **Date Collected: 8/21/2007 7:02:47 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250737406

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1201351.2	101	%	0.8				0.75%
Sc Radial	206164.9	100	%	1.0				0.97%
Ag 328.068†	-54.4	-2.56	ug/L	0.160	-2.56	ug/L	0.160	6.25%
Al 308.215†	76.8	37.0	ug/L	3.35	37.0	ug/L	3.35	9.05%
As 188.979†	-1.8	-0.192	ug/L	3.5011	-0.192	ug/L	3.5011	>999.9%
Ba 233.527†	922.6	14.8	ug/L	0.22	14.8	ug/L	0.22	1.49%
Be 234.861†	7.8	-0.100	ug/L	0.0736	-0.100	ug/L	0.0736	73.21%
Ca 315.887†	73691.7	8390	ug/L	24.3	8390	ug/L	24.3	0.29%
Cd 226.502†	9.5	1.60	ug/L	0.309	1.60	ug/L	0.309	19.24%
Co 228.616†	2.7	0.116	ug/L	0.2269	0.116	ug/L	0.2269	195.21%
Cr 267.716†	5.4	0.198	ug/L	0.0538	0.198	ug/L	0.0538	27.21%
Cu 324.752†	-456.5	-1.51	ug/L	0.123	-1.51	ug/L	0.123	8.16%
Fe 259.939†	44799.2	3960	ug/L	8.8	3960	ug/L	8.8	0.22%
K 766.490†	4063.6	788	ug/L	10.2	788	ug/L	10.2	1.29%
Li 460.286†	146.1	-5.00	ug/L	2.549	-5.00	ug/L	2.549	50.96%
Mg 279.077†	8834.4	1280	ug/L	16.1	1280	ug/L	16.1	1.25%
Mn 257.610†	12838.6	45.0	ug/L	0.51	45.0	ug/L	0.51	1.14%
Mo 202.031†	3.3	0.650	ug/L	1.2425	0.650	ug/L	1.2425	191.08%
Na 589.592†	36743.2	3120	ug/L	8.7	3120	ug/L	8.7	0.28%
Ni 231.604†	3.5	-0.784	ug/L	0.4858	-0.784	ug/L	0.4858	61.96%
Pb 220.353†	-5.8	-7.25	ug/L	3.802	-7.25	ug/L	3.802	52.41%
Sb 206.836†	-0.7	1.98	ug/L	2.639	1.98	ug/L	2.639	133.20%
Se 196.026†	-2.3	-2.79	ug/L	5.889	-2.79	ug/L	5.889	211.16%
Sn 189.927†	-8.2	-8.82	ug/L	1.910	-8.82	ug/L	1.910	21.65%
Sr 421.552†	47874.9	51.7	ug/L	0.11	51.7	ug/L	0.11	0.21%
Ti 334.940†	214.2	0.553	ug/L	0.0271	0.553	ug/L	0.0271	4.89%
Tl 190.801†	-2.8	-4.82	ug/L	5.674	-4.82	ug/L	5.674	117.71%
V 292.402†	6.7	0.511	ug/L	0.0980	0.511	ug/L	0.0980	19.19%
Zn 206.200†	19.2	0.208	ug/L	0.6264	0.208	ug/L	0.6264	300.67%

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Sequence No.: 53 **Autosampler Location: 71**
Sample ID: 250737407 **Date Collected: 8/21/2007 7:07:14 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250737407

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1218636.9	103	%	0.5				0.49%
Sc Radial	208948.1	102	%	0.3				0.28%
Ag 328.068†	-54.7	-2.59	ug/L	0.094	-2.59	ug/L	0.094	3.64%
Al 308.215†	52.2	28.7	ug/L	2.47	28.7	ug/L	2.47	8.59%
As 188.979†	-0.6	1.67	ug/L	3.537	1.67	ug/L	3.537	211.60%
Ba 233.527†	567.4	9.07	ug/L	0.131	9.07	ug/L	0.131	1.45%
Be 234.861†	8.0	-0.079	ug/L	0.0208	-0.079	ug/L	0.0208	26.34%
Ca 315.887†	71764.9	8170	ug/L	37.8	8170	ug/L	37.8	0.46%
Cd 226.502†	9.9	1.78	ug/L	0.326	1.78	ug/L	0.326	18.36%
Co 228.616†	0.8	-0.033	ug/L	0.1285	-0.033	ug/L	0.1285	383.98%
Cr 267.716†	-6.5	-0.473	ug/L	0.1340	-0.473	ug/L	0.1340	28.35%
Cu 324.752†	-475.6	-1.60	ug/L	0.047	-1.60	ug/L	0.047	2.91%
Fe 259.939†	39279.3	3470	ug/L	6.2	3470	ug/L	6.2	0.18%
K 766.490†	4362.4	846	ug/L	6.1	846	ug/L	6.1	0.72%
Li 460.286†	82.4	-7.02	ug/L	1.279	-7.02	ug/L	1.279	18.22%
Mg 279.077†	8832.0	1280	ug/L	4.8	1280	ug/L	4.8	0.38%
Mn 257.610†	3363.8	10.9	ug/L	0.07	10.9	ug/L	0.07	0.68%
Mo 202.031†	3.2	0.568	ug/L	1.6107	0.568	ug/L	1.6107	283.60%
Na 589.592†	36910.5	3140	ug/L	19.0	3140	ug/L	19.0	0.61%
Ni 231.604†	6.0	-0.246	ug/L	0.8493	-0.246	ug/L	0.8493	345.74%
Pb 220.353†	-4.8	-5.92	ug/L	7.515	-5.92	ug/L	7.515	126.94%
Sb 206.836†	-1.3	1.23	ug/L	3.336	1.23	ug/L	3.336	270.52%
Se 196.026†	-1.9	-1.36	ug/L	3.247	-1.36	ug/L	3.247	238.44%
Sn 189.927†	-4.8	-3.43	ug/L	5.185	-3.43	ug/L	5.185	151.11%
Sr 421.552†	47622.0	51.4	ug/L	0.29	51.4	ug/L	0.29	0.57%
Ti 334.940†	207.0	0.532	ug/L	0.0095	0.532	ug/L	0.0095	1.79%
Tl 190.801†	-2.0	-3.48	ug/L	4.263	-3.48	ug/L	4.263	122.44%
V 292.402†	7.6	0.511	ug/L	0.1874	0.511	ug/L	0.1874	36.66%
Zn 206.200†	20.2	0.431	ug/L	0.4512	0.431	ug/L	0.4512	104.76%

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Sequence No.: 54 **Autosampler Location: 72**
Sample ID: 250737408 **Date Collected: 8/21/2007 7:11:41 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250737408

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	969336.9	81.5	%	0.08				0.10%
Sc Radial	170230.1	82.9	%	0.40				0.48%
Ag 328.068†	-130.4	-2.90	ug/L	0.217	-2.90	ug/L	0.217	7.46%
Al 308.215†	383.1	140	ug/L	0.4	140	ug/L	0.4	0.32%
As 188.979†	-6.2	-7.29	ug/L	6.898	-7.29	ug/L	6.898	94.60%
Ba 233.527†	1176.3	20.3	ug/L	0.05	20.3	ug/L	0.05	0.25%
Be 234.861†	-16.4	-0.232	ug/L	0.0233	-0.232	ug/L	0.0233	10.04%
Ca 315.887†	1689550.4	193000	ug/L	1182.9	193000	ug/L	1182.9	0.61%
Cd 226.502†	45.4	3.48	ug/L	0.692	3.48	ug/L	0.692	19.90%
Co 228.616†	1.5	0.104	ug/L	0.3029	0.104	ug/L	0.3029	290.09%
Cr 267.716†	-19.2	2.57	ug/L	0.710	2.57	ug/L	0.710	27.64%
Cu 324.752†	328.1	2.30	ug/L	0.049	2.30	ug/L	0.049	2.15%
Fe 259.939†	13212.1	1170	ug/L	6.9	1170	ug/L	6.9	0.59%
K 766.490†	1200365.1	231000	ug/L	2161.4	231000	ug/L	2161.4	0.94%
Li 460.286†	1447.7	87.9	ug/L	3.50	87.9	ug/L	3.50	3.98%
Mg 279.077†	3678447.0	535000	ug/L	1761.7	535000	ug/L	1761.7	0.33%
Mn 257.610†	10120.5	17.1	ug/L	0.11	17.1	ug/L	0.11	0.66%
Mo 202.031†	-14.9	-10.6	ug/L	2.11	-10.6	ug/L	2.11	19.90%
Na 589.592†	Saturated3							
Ni 231.604†	-1.8	-1.79	ug/L	2.953	-1.79	ug/L	2.953	164.72%
Pb 220.353†	-9.1	9.11	ug/L	7.574	9.11	ug/L	7.574	83.10%
Sb 206.836†	1.9	0.993	ug/L	1.2220	0.993	ug/L	1.2220	123.02%
Se 196.026†	-0.6	2.56	ug/L	8.185	2.56	ug/L	8.185	319.38%
Sn 189.927†	-20.0	-17.8	ug/L	11.66	-17.8	ug/L	11.66	65.50%
Sr 421.552†	3348817.6	3620	ug/L	29.3	3620	ug/L	29.3	0.81%
Ti 334.940†	541.6	1.49	ug/L	0.063	1.49	ug/L	0.063	4.19%
Tl 190.801†	4.0	5.73	ug/L	3.724	5.73	ug/L	3.724	64.99%
V 292.402†	-0.9	-0.261	ug/L	0.3245	-0.261	ug/L	0.3245	124.25%
Zn 206.200†	32.4	-16.5	ug/L	0.67	-16.5	ug/L	0.67	4.06%

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Sequence No.: 55 **Autosampler Location: 73**
Sample ID: 250737409 **Date Collected: 8/21/2007 7:16:32 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250737409

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1220706.7	103	%	0.0				0.02%
Sc Radial	212336.3	103	%	0.4				0.38%
Ag 328.068†	-139.9	-1.86	ug/L	0.082	-1.86	ug/L	0.082	4.42%
Al 308.215†	261.8	99.1	ug/L	2.50	99.1	ug/L	2.50	2.52%
As 188.979†	13.9	27.0	ug/L	5.83	27.0	ug/L	5.83	21.61%
Ba 233.527†	1492.4	24.1	ug/L	0.12	24.1	ug/L	0.12	0.51%
Be 234.861†	261.7	0.263	ug/L	0.0412	0.263	ug/L	0.0412	15.64%
Ca 315.887†	130674.0	14900	ug/L	32.2	14900	ug/L	32.2	0.22%
Cd 226.502†	39.0	3.10	ug/L	1.023	3.10	ug/L	1.023	33.00%
Co 228.616†	7.0	-1.14	ug/L	0.118	-1.14	ug/L	0.118	10.31%
Cr 267.716†	14.6	-0.319	ug/L	0.6338	-0.319	ug/L	0.6338	198.80%
Cu 324.752†	-849.9	-1.55	ug/L	0.069	-1.55	ug/L	0.069	4.48%
Fe 259.939†	651551.8	57600	ug/L	191.6	57600	ug/L	191.6	0.33%
K 766.490†	7579.0	1460	ug/L	12.3	1460	ug/L	12.3	0.84%
Li 460.286†	3418.2	-40.4	ug/L	0.56	-40.4	ug/L	0.56	1.39%
Mg 279.077†	11895.2	1720	ug/L	18.3	1720	ug/L	18.3	1.06%
Mn 257.610†	42157.9	151	ug/L	0.8	151	ug/L	0.8	0.55%
Mo 202.031†	-2.0	1.68	ug/L	2.370	1.68	ug/L	2.370	141.45%
Na 589.592†	96915.9	8210	ug/L	19.1	8210	ug/L	19.1	0.23%
Ni 231.604†	8.3	-1.27	ug/L	0.852	-1.27	ug/L	0.852	67.05%
Pb 220.353†	-4.0	-5.77	ug/L	2.643	-5.77	ug/L	2.643	45.82%
Sb 206.836†	0.8	2.56	ug/L	1.021	2.56	ug/L	1.021	39.83%
Se 196.026†	-2.8	1.68	ug/L	3.769	1.68	ug/L	3.769	224.87%
Sn 189.927†	-4.7	-2.94	ug/L	1.377	-2.94	ug/L	1.377	46.82%
Sr 421.552†	87169.9	94.1	ug/L	0.05	94.1	ug/L	0.05	0.05%
Ti 334.940†	512.3	1.41	ug/L	0.028	1.41	ug/L	0.028	2.01%
Tl 190.801†	0.5	-4.81	ug/L	9.769	-4.81	ug/L	9.769	203.04%
V 292.402†	-92.7	0.098	ug/L	0.3186	0.098	ug/L	0.3186	325.81%
Zn 206.200†	15.5	-1.87	ug/L	0.326	-1.87	ug/L	0.326	17.44%

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Sequence No.: 56 **Autosampler Location: 74**
Sample ID: 250737410 **Date Collected: 8/21/2007 7:21:01 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250737410

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1229388.8	103	%	0.2				0.18%
Sc Radial	212104.2	103	%	0.3				0.30%
Ag 328.068†	-47.2	-2.64	ug/L	0.064	-2.64	ug/L	0.064	2.44%
Al 308.215†	-59.9	-9.01	ug/L	0.705	-9.01	ug/L	0.705	7.83%
As 188.979†	-2.3	-1.29	ug/L	4.142	-1.29	ug/L	4.142	322.08%
Ba 233.527†	2.9	-0.147	ug/L	0.0239	-0.147	ug/L	0.0239	16.32%
Be 234.861†	-5.9	-0.077	ug/L	0.0298	-0.077	ug/L	0.0298	38.91%
Ca 315.887†	278.7	27.3	ug/L	1.51	27.3	ug/L	1.51	5.52%
Cd 226.502†	1.6	0.191	ug/L	0.5832	0.191	ug/L	0.5832	305.06%
Co 228.616†	-4.2	-0.354	ug/L	0.1891	-0.354	ug/L	0.1891	53.42%
Cr 267.716†	-1.3	-0.116	ug/L	0.3464	-0.116	ug/L	0.3464	298.50%
Cu 324.752†	-511.0	-1.95	ug/L	0.109	-1.95	ug/L	0.109	5.57%
Fe 259.939†	62.1	3.47	ug/L	0.288	3.47	ug/L	0.288	8.30%
K 766.490†	88.6	24.3	ug/L	4.07	24.3	ug/L	4.07	16.78%
Li 460.286†	-219.6	-10.5	ug/L	0.47	-10.5	ug/L	0.47	4.42%
Mg 279.077†	26.3	0.071	ug/L	1.4016	0.071	ug/L	1.4016	>999.9%
Mn 257.610†	10.0	-1.09	ug/L	0.005	-1.09	ug/L	0.005	0.50%
Mo 202.031†	2.7	-0.020	ug/L	2.0903	-0.020	ug/L	2.0903	>999.9%
Na 589.592†	1893.2	175	ug/L	4.7	175	ug/L	4.7	2.69%
Ni 231.604†	-1.7	-1.74	ug/L	0.306	-1.74	ug/L	0.306	17.61%
Pb 220.353†	-3.5	-4.86	ug/L	4.920	-4.86	ug/L	4.920	101.30%
Sb 206.836†	-2.1	0.537	ug/L	3.7722	0.537	ug/L	3.7722	702.52%
Se 196.026†	-1.9	-1.81	ug/L	5.179	-1.81	ug/L	5.179	286.14%
Sn 189.927†	-3.4	-1.62	ug/L	4.474	-1.62	ug/L	4.474	276.99%
Sr 421.552†	58.3	0.065	ug/L	0.0269	0.065	ug/L	0.0269	41.19%
Ti 334.940†	116.3	0.272	ug/L	0.0200	0.272	ug/L	0.0200	7.37%
Tl 190.801†	-3.5	-5.35	ug/L	3.006	-5.35	ug/L	3.006	56.22%
V 292.402†	0.7	-0.187	ug/L	0.2244	-0.187	ug/L	0.2244	120.24%
Zn 206.200†	-4.8	-4.51	ug/L	0.351	-4.51	ug/L	0.351	7.79%

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Sequence No.: 57 **Autosampler Location: 75**
Sample ID: 250737410L **Date Collected: 8/21/2007 7:25:12 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 5X **Sample Prep Vol:**

Mean Data: 250737410L

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1217063.1	102	%	0.4				0.35%
Sc Radial	206443.7	100	%	0.3				0.29%
Ag 328.068†	-45.9	-2.62	ug/L	0.093	-13.1	ug/L	0.47	3.55%
Al 308.215†	-70.0	-12.4	ug/L	2.48	-62.1	ug/L	12.39	19.96%
As 188.979†	-1.1	0.668	ug/L	4.3059	3.34	ug/L	21.529	644.81%
Ba 233.527†	3.0	-0.145	ug/L	0.0529	-0.724	ug/L	0.2644	36.52%
Be 234.861†	-8.4	-0.102	ug/L	0.0068	-0.510	ug/L	0.0342	6.71%
Ca 315.887†	298.4	29.6	ug/L	0.97	148	ug/L	4.9	3.29%
Cd 226.502†	-0.7	-0.456	ug/L	0.4078	-2.28	ug/L	2.039	89.44%
Co 228.616†	-2.5	-0.215	ug/L	0.3869	-1.07	ug/L	1.934	180.15%
Cr 267.716†	-1.9	-0.153	ug/L	0.0996	-0.766	ug/L	0.4982	65.02%
Cu 324.752†	-500.9	-1.91	ug/L	0.111	-9.56	ug/L	0.557	5.82%
Fe 259.939†	39.8	1.49	ug/L	0.272	7.46	ug/L	1.362	18.26%
K 766.490†	29.4	12.9	ug/L	4.53	64.4	ug/L	22.66	35.20%
Li 460.286†	-211.3	-9.95	ug/L	2.960	-49.8	ug/L	14.80	29.74%
Mg 279.077†	42.8	2.47	ug/L	0.744	12.4	ug/L	3.72	30.09%
Mn 257.610†	108.9	-0.732	ug/L	0.0159	-3.66	ug/L	0.079	2.17%
Mo 202.031†	2.5	-0.106	ug/L	0.8872	-0.530	ug/L	4.4361	837.62%
Na 589.592†	1209.3	117	ug/L	1.1	585	ug/L	5.6	0.96%
Ni 231.604†	2.2	-0.937	ug/L	0.4582	-4.68	ug/L	2.291	48.91%
Pb 220.353†	-1.7	-2.20	ug/L	2.222	-11.0	ug/L	11.11	100.83%
Sb 206.836†	-0.0	3.01	ug/L	2.741	15.0	ug/L	13.71	91.10%
Se 196.026†	0.0	4.69	ug/L	0.943	23.5	ug/L	4.71	20.09%
Sn 189.927†	-4.0	-2.51	ug/L	1.863	-12.6	ug/L	9.31	74.13%
Sr 421.552†	44.1	0.050	ug/L	0.0304	0.249	ug/L	0.1519	60.91%
Ti 334.940†	28.6	0.020	ug/L	0.0231	0.098	ug/L	0.1153	117.21%
Tl 190.801†	-2.5	-3.82	ug/L	1.034	-19.1	ug/L	5.17	27.08%
V 292.402†	4.5	0.019	ug/L	0.1558	0.095	ug/L	0.7792	820.27%
Zn 206.200†	-1.3	-3.80	ug/L	0.394	-19.0	ug/L	1.97	10.37%

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Sequence No.: 58 **Autosampler Location: 76**
Sample ID: 250737411 **Date Collected: 8/21/2007 7:29:24 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250737411

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1205519.1	101	%	0.3				0.31%
Sc Radial	208984.5	102	%	0.3				0.31%
Ag 328.068†	12563.4	199	ug/L	2.0	199	ug/L	2.0	1.02%
Al 308.215†	143203.0	48100	ug/L	125.7	48100	ug/L	125.7	0.26%
As 188.979†	309.6	492	ug/L	1.8	492	ug/L	1.8	0.37%
Ba 233.527†	94121.5	1530	ug/L	11.7	1530	ug/L	11.7	0.77%
Be 234.861†	48478.9	496	ug/L	5.9	496	ug/L	5.9	1.18%
Ca 315.887†	520133.9	59300	ug/L	246.4	59300	ug/L	246.4	0.42%
Cd 226.502†	1783.6	510	ug/L	2.8	510	ug/L	2.8	0.54%
Co 228.616†	5760.2	480	ug/L	4.0	480	ug/L	4.0	0.84%
Cr 267.716†	8639.5	497	ug/L	3.5	497	ug/L	3.5	0.71%
Cu 324.752†	120603.6	476	ug/L	4.0	476	ug/L	4.0	0.85%
Fe 259.939†	559383.2	49500	ug/L	180.4	49500	ug/L	180.4	0.36%
K 766.490†	250261.7	48100	ug/L	93.1	48100	ug/L	93.1	0.19%
Li 460.286†	68703.4	4510	ug/L	34.1	4510	ug/L	34.1	0.76%
Mg 279.077†	352877.3	51300	ug/L	2.8	51300	ug/L	2.8	0.01%
Mn 257.610†	144510.4	516	ug/L	3.8	516	ug/L	3.8	0.73%
Mo 202.031†	881.6	537	ug/L	2.8	537	ug/L	2.8	0.52%
Na 589.592†	612602.4	51800	ug/L	385.6	51800	ug/L	385.6	0.74%
Ni 231.604†	2458.9	507	ug/L	2.1	507	ug/L	2.1	0.42%
Pb 220.353†	363.1	526	ug/L	12.8	526	ug/L	12.8	2.43%
Sb 206.836†	440.0	520	ug/L	6.2	520	ug/L	6.2	1.19%
Se 196.026†	140.1	489	ug/L	4.4	489	ug/L	4.4	0.90%
Sn 189.927†	350.9	558	ug/L	2.9	558	ug/L	2.9	0.52%
Sr 421.552†	505780.3	546	ug/L	1.6	546	ug/L	1.6	0.29%
Ti 334.940†	173114.1	497	ug/L	3.0	497	ug/L	3.0	0.61%
Tl 190.801†	374.3	533	ug/L	12.4	533	ug/L	12.4	2.33%
V 292.402†	9178.6	504	ug/L	4.1	504	ug/L	4.1	0.82%
Zn 206.200†	2774.1	552	ug/L	1.6	552	ug/L	1.6	0.28%

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Sequence No.: 59
Sample ID: 250737412
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 77
Date Collected: 8/21/2007 7:33:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250737412

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1184040.5	99.6	%	0.19				0.19%
Sc Radial	205644.9	100	%	0.0				0.04%
Ag 328.068†	12696.0	201	ug/L	1.3	201	ug/L	1.3	0.62%
Al 308.215†	144003.6	48400	ug/L	90.0	48400	ug/L	90.0	0.19%
As 188.979†	308.1	489	ug/L	4.3	489	ug/L	4.3	0.87%
Ba 233.527†	95943.2	1560	ug/L	1.3	1560	ug/L	1.3	0.08%
Be 234.861†	49772.9	509	ug/L	3.9	509	ug/L	3.9	0.76%
Ca 315.887†	520093.0	59300	ug/L	29.4	59300	ug/L	29.4	0.05%
Cd 226.502†	1797.0	514	ug/L	2.9	514	ug/L	2.9	0.56%
Co 228.616†	5802.8	484	ug/L	0.6	484	ug/L	0.6	0.13%
Cr 267.716†	8706.5	501	ug/L	2.4	501	ug/L	2.4	0.47%
Cu 324.752†	122329.1	483	ug/L	0.3	483	ug/L	0.3	0.07%
Fe 259.939†	563982.0	49900	ug/L	75.8	49900	ug/L	75.8	0.15%
K 766.490†	251353.0	48300	ug/L	86.1	48300	ug/L	86.1	0.18%
Li 460.286†	69042.8	4530	ug/L	6.2	4530	ug/L	6.2	0.14%
Mg 279.077†	354292.7	51500	ug/L	61.2	51500	ug/L	61.2	0.12%
Mn 257.610†	145068.8	518	ug/L	1.6	518	ug/L	1.6	0.30%
Mo 202.031†	886.6	540	ug/L	2.9	540	ug/L	2.9	0.54%
Na 589.592†	611694.6	51700	ug/L	35.9	51700	ug/L	35.9	0.07%
Ni 231.604†	2473.2	510	ug/L	1.4	510	ug/L	1.4	0.27%
Pb 220.353†	365.8	530	ug/L	1.3	530	ug/L	1.3	0.25%
Sb 206.836†	440.4	521	ug/L	3.5	521	ug/L	3.5	0.67%
Se 196.026†	138.9	484	ug/L	4.2	484	ug/L	4.2	0.87%
Sn 189.927†	350.9	558	ug/L	10.2	558	ug/L	10.2	1.83%
Sr 421.552†	505485.2	546	ug/L	0.7	546	ug/L	0.7	0.12%
Ti 334.940†	173809.8	499	ug/L	1.1	499	ug/L	1.1	0.22%
Tl 190.801†	365.0	520	ug/L	14.9	520	ug/L	14.9	2.87%
V 292.402†	9220.9	506	ug/L	0.5	506	ug/L	0.5	0.09%
Zn 206.200†	2756.6	548	ug/L	0.5	548	ug/L	0.5	0.08%

Sequence No.: 60 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 8/21/2007 7:37:26 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1157763.6	97.4	%	0.99				1.01%
Sc Radial	199299.6	97.0	%	0.66				0.68%
Ag 328.068†	32459.5	513	ug/L	7.4	513	ug/L	7.4	1.45%
QC value within limits for Ag 328.068 Recovery = 102.54%								
Al 308.215†	73642.0	24800	ug/L	51.2	24800	ug/L	51.2	0.21%
QC value within limits for Al 308.215 Recovery = 99.07%								
As 188.979†	337.9	536	ug/L	5.5	536	ug/L	5.5	1.02%
QC value within limits for As 188.979 Recovery = 107.12%								
Ba 233.527†	33328.3	541	ug/L	5.7	541	ug/L	5.7	1.05%
QC value within limits for Ba 233.527 Recovery = 108.21%								
Be 234.861†	49658.4	508	ug/L	3.8	508	ug/L	3.8	0.75%
QC value within limits for Be 234.861 Recovery = 101.64%								
Ca 315.887†	218933.7	24900	ug/L	93.7	24900	ug/L	93.7	0.38%
QC value within limits for Ca 315.887 Recovery = 99.79%								
Cd 226.502†	1872.6	539	ug/L	6.8	539	ug/L	6.8	1.26%
QC value within limits for Cd 226.502 Recovery = 107.84%								
Co 228.616†	6212.1	517	ug/L	3.4	517	ug/L	3.4	0.66%
QC value within limits for Co 228.616 Recovery = 103.46%								
Cr 267.716†	9068.9	521	ug/L	4.0	521	ug/L	4.0	0.76%
QC value within limits for Cr 267.716 Recovery = 104.28%								
Cu 324.752†	124418.8	490	ug/L	5.6	490	ug/L	5.6	1.14%
QC value within limits for Cu 324.752 Recovery = 98.09%								
Fe 259.939†	454888.0	40200	ug/L	119.8	40200	ug/L	119.8	0.30%
QC value within limits for Fe 259.939 Recovery = 100.57%								
K 766.490†	125039.5	24000	ug/L	51.7	24000	ug/L	51.7	0.22%
QC value within limits for K 766.490 Recovery = 96.16%								
Li 460.286†	72776.3	4840	ug/L	52.0	4840	ug/L	52.0	1.07%
Mg 279.077†	181307.5	26300	ug/L	94.1	26300	ug/L	94.1	0.36%
QC value within limits for Mg 279.077 Recovery = 105.37%								
Mn 257.610†	145802.8	522	ug/L	2.0	522	ug/L	2.0	0.38%
QC value within limits for Mn 257.610 Recovery = 104.36%								
Mo 202.031†	919.5	559	ug/L	7.7	559	ug/L	7.7	1.38%
QC value greater than the upper limit for Mo 202.031 Recovery = 111.89%								
Na 589.592†	289478.4	24500	ug/L	33.7	24500	ug/L	33.7	0.14%
QC value within limits for Na 589.592 Recovery = 97.94%								
Ni 231.604†	2664.7	550	ug/L	5.4	550	ug/L	5.4	0.98%
QC value greater than the upper limit for Ni 231.604 Recovery = 110.01%								
Pb 220.353†	391.2	562	ug/L	4.2	562	ug/L	4.2	0.75%
QC value greater than the upper limit for Pb 220.353 Recovery = 112.46%								
Sb 206.836†	443.1	525	ug/L	4.0	525	ug/L	4.0	0.76%
QC value within limits for Sb 206.836 Recovery = 104.93%								
Se 196.026†	148.5	516	ug/L	6.7	516	ug/L	6.7	1.30%
QC value within limits for Se 196.026 Recovery = 103.23%								
Sn 189.927†	289.5	459	ug/L	11.0	459	ug/L	11.0	2.39%
QC value greater than the upper limit for Sn 189.927 Recovery = 114.86%								
Sr 421.552†	359104.4	388	ug/L	4.8	388	ug/L	4.8	1.24%
QC value within limits for Sr 421.552 Recovery = 97.08%								
Ti 334.940†	140813.5	404	ug/L	4.3	404	ug/L	4.3	1.06%
QC value within limits for Ti 334.940 Recovery = 101.11%								
Tl 190.801†	402.5	575	ug/L	9.2	575	ug/L	9.2	1.60%
QC value greater than the upper limit for Tl 190.801 Recovery = 115.03%								
V 292.402†	9400.5	516	ug/L	6.8	516	ug/L	6.8	1.32%
QC value within limits for V 292.402 Recovery = 103.10%								
Zn 206.200†	2926.3	583	ug/L	4.7	583	ug/L	4.7	0.81%
QC value greater than the upper limit for Zn 206.200 Recovery = 116.63%								

QC Failed. Retry.

Sequence No.: 61 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 8/21/2007 7:40:13 PM**

Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1139065.7	95.8	%	0.46				0.48%
Sc Radial	197061.7	95.9	%	0.17				0.18%
Ag 328.068†	32902.8	520	ug/L	1.7	520	ug/L	1.7	0.33%
QC value within limits for Ag 328.068 Recovery = 103.95%								
Al 308.215†	74474.1	25000	ug/L	13.6	25000	ug/L	13.6	0.05%
QC value within limits for Al 308.215 Recovery = 100.18%								
As 188.979†	343.0	544	ug/L	5.3	544	ug/L	5.3	0.97%
QC value within limits for As 188.979 Recovery = 108.71%								
Ba 233.527†	33813.9	549	ug/L	2.4	549	ug/L	2.4	0.43%
QC value within limits for Ba 233.527 Recovery = 109.78%								
Be 234.861†	51190.7	524	ug/L	3.2	524	ug/L	3.2	0.60%
QC value within limits for Be 234.861 Recovery = 104.79%								
Ca 315.887†	221702.9	25300	ug/L	26.2	25300	ug/L	26.2	0.10%
QC value within limits for Ca 315.887 Recovery = 101.05%								
Cd 226.502†	1910.9	550	ug/L	5.5	550	ug/L	5.5	1.00%
QC value greater than the upper limit for Cd 226.502 Recovery = 110.05%								
Co 228.616†	6266.1	522	ug/L	3.3	522	ug/L	3.3	0.63%
QC value within limits for Co 228.616 Recovery = 104.36%								
Cr 267.716†	9194.8	529	ug/L	3.6	529	ug/L	3.6	0.68%
QC value within limits for Cr 267.716 Recovery = 105.72%								
Cu 324.752†	127039.5	501	ug/L	1.4	501	ug/L	1.4	0.27%
QC value within limits for Cu 324.752 Recovery = 100.16%								
Fe 259.939†	461119.6	40800	ug/L	48.5	40800	ug/L	48.5	0.12%
QC value within limits for Fe 259.939 Recovery = 101.95%								
K 766.490†	126244.3	24300	ug/L	30.5	24300	ug/L	30.5	0.13%
QC value within limits for K 766.490 Recovery = 97.08%								
Li 460.286†	73523.2	4890	ug/L	18.9	4890	ug/L	18.9	0.39%
Mg 279.077†	184710.3	26800	ug/L	24.0	26800	ug/L	24.0	0.09%
QC value within limits for Mg 279.077 Recovery = 107.35%								
Mn 257.610†	147035.5	526	ug/L	1.7	526	ug/L	1.7	0.33%
QC value within limits for Mn 257.610 Recovery = 105.24%								
Mo 202.031†	943.8	574	ug/L	7.8	574	ug/L	7.8	1.36%
QC value greater than the upper limit for Mo 202.031 Recovery = 114.84%								
Na 589.592†	292902.2	24800	ug/L	19.9	24800	ug/L	19.9	0.08%
QC value within limits for Na 589.592 Recovery = 99.10%								
Ni 231.604†	2717.9	561	ug/L	4.0	561	ug/L	4.0	0.71%
QC value greater than the upper limit for Ni 231.604 Recovery = 112.21%								
Pb 220.353†	403.4	580	ug/L	14.7	580	ug/L	14.7	2.53%
QC value greater than the upper limit for Pb 220.353 Recovery = 115.96%								
Sb 206.836†	453.1	536	ug/L	1.6	536	ug/L	1.6	0.29%
QC value within limits for Sb 206.836 Recovery = 107.29%								
Se 196.026†	149.4	519	ug/L	9.1	519	ug/L	9.1	1.75%
QC value within limits for Se 196.026 Recovery = 103.86%								
Sn 189.927†	294.1	467	ug/L	5.4	467	ug/L	5.4	1.15%
QC value greater than the upper limit for Sn 189.927 Recovery = 116.69%								
Sr 421.552†	366166.0	396	ug/L	1.6	396	ug/L	1.6	0.41%
QC value within limits for Sr 421.552 Recovery = 98.99%								
Ti 334.940†	144520.0	415	ug/L	1.1	415	ug/L	1.1	0.26%
QC value within limits for Ti 334.940 Recovery = 103.77%								
Tl 190.801†	415.2	594	ug/L	14.6	594	ug/L	14.6	2.46%
QC value greater than the upper limit for Tl 190.801 Recovery = 118.72%								
V 292.402†	9513.2	522	ug/L	2.2	522	ug/L	2.2	0.42%
QC value within limits for V 292.402 Recovery = 104.36%								
Zn 206.200†	2968.1	592	ug/L	3.6	592	ug/L	3.6	0.60%
QC value greater than the upper limit for Zn 206.200 Recovery = 118.30%								

QC Failed. Continue with analysis.

Sequence No.: 62 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 8/21/2007 7:44:05 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1220930.3	103	%	0.2				0.22%
Sc Radial	204260.7	99.4	%	0.41				0.41%
Ag 328.068†	-48.4	-2.66	ug/L	0.206	-2.66	ug/L	0.206	7.74%
QC value less than the lower limit for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-81.8	-16.4	ug/L	2.23	-16.4	ug/L	2.23	13.64%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-0.6	1.42	ug/L	1.650	1.42	ug/L	1.650	116.06%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	3.0	-0.145	ug/L	0.0191	-0.145	ug/L	0.0191	13.24%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-8.2	-0.099	ug/L	0.0199	-0.099	ug/L	0.0199	20.04%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	42.7	0.435	ug/L	2.0126	0.435	ug/L	2.0126	462.84%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	1.7	0.227	ug/L	0.2971	0.227	ug/L	0.2971	130.97%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	0.1	0.001	ug/L	0.2562	0.001	ug/L	0.2562	>999.9%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-6.8	-0.433	ug/L	0.0868	-0.433	ug/L	0.0868	20.04%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-542.1	-2.07	ug/L	0.144	-2.07	ug/L	0.144	6.96%
QC value less than the lower limit for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	3.4	-1.72	ug/L	0.122	-1.72	ug/L	0.122	7.05%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-69.1	-6.04	ug/L	2.234	-6.04	ug/L	2.234	36.96%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	-105.3	-2.60	ug/L	2.682	-2.60	ug/L	2.682	103.23%
Mg 279.077†	21.2	-0.671	ug/L	1.7210	-0.671	ug/L	1.7210	256.31%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-30.4	-1.23	ug/L	0.009	-1.23	ug/L	0.009	0.71%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	2.5	-0.117	ug/L	1.3172	-0.117	ug/L	1.3172	>999.9%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-153.2	1.80	ug/L	1.447	1.80	ug/L	1.447	80.42%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	0.8	-1.23	ug/L	1.552	-1.23	ug/L	1.552	126.54%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-1.9	-2.50	ug/L	7.997	-2.50	ug/L	7.997	320.08%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-3.4	-0.982	ug/L	2.8231	-0.982	ug/L	2.8231	287.60%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	0.4	5.99	ug/L	3.769	5.99	ug/L	3.769	62.95%
QC value greater than the upper limit for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-3.5	-1.81	ug/L	2.569	-1.81	ug/L	2.569	141.92%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	18.0	0.022	ug/L	0.0215	0.022	ug/L	0.0215	97.22%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	36.1	0.041	ug/L	0.0099	0.041	ug/L	0.0099	23.97%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-0.3	-0.568	ug/L	10.4208	-0.568	ug/L	10.4208	>999.9%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	2.6	-0.085	ug/L	0.0527	-0.085	ug/L	0.0527	62.03%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-14.0	-6.35	ug/L	0.251	-6.35	ug/L	0.251	3.95%
QC value less than the lower limit for Zn 206.200 Recovery = Not calculated								

QC Failed. Retry.

Sequence No.: 63 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 8/21/2007 7:47:04 PM**

Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1221328.9	103	%	0.4				0.35%
Sc Radial	206068.6	100	%	0.6				0.58%
Ag 328.068†	-44.3	-2.60	ug/L	0.139	-2.60	ug/L	0.139	5.36%
QC value less than the lower limit for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-81.9	-16.4	ug/L	3.19	-16.4	ug/L	3.19	19.45%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-1.8	-0.446	ug/L	2.8279	-0.446	ug/L	2.8279	634.20%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-1.0	-0.210	ug/L	0.0661	-0.210	ug/L	0.0661	31.42%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-9.6	-0.113	ug/L	0.0117	-0.113	ug/L	0.0117	10.30%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	38.3	-0.068	ug/L	0.5283	-0.068	ug/L	0.5283	780.62%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	-0.4	-0.383	ug/L	0.9289	-0.383	ug/L	0.9289	242.24%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-4.0	-0.343	ug/L	0.1288	-0.343	ug/L	0.1288	37.60%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-6.5	-0.420	ug/L	0.2281	-0.420	ug/L	0.2281	54.36%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-552.5	-2.12	ug/L	0.079	-2.12	ug/L	0.079	3.72%
QC value less than the lower limit for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	-2.5	-2.25	ug/L	0.275	-2.25	ug/L	0.275	12.23%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-107.4	-13.4	ug/L	4.06	-13.4	ug/L	4.06	30.28%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	-190.7	-8.50	ug/L	3.446	-8.50	ug/L	3.446	40.52%
Mg 279.077†	18.6	-1.05	ug/L	0.975	-1.05	ug/L	0.975	92.62%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-29.2	-1.23	ug/L	0.029	-1.23	ug/L	0.029	2.34%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	3.0	0.186	ug/L	0.6762	0.186	ug/L	0.6762	363.59%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-228.4	-4.56	ug/L	2.704	-4.56	ug/L	2.704	59.30%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	2.1	-0.951	ug/L	0.7591	-0.951	ug/L	0.7591	79.83%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-5.2	-7.20	ug/L	1.865	-7.20	ug/L	1.865	25.89%
QC value less than the lower limit for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-1.7	1.04	ug/L	1.497	1.04	ug/L	1.497	143.58%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-0.0	4.56	ug/L	4.953	4.56	ug/L	4.953	108.61%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-2.9	-0.809	ug/L	1.2362	-0.809	ug/L	1.2362	152.74%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	23.3	0.028	ug/L	0.0139	0.028	ug/L	0.0139	49.75%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	35.4	0.039	ug/L	0.0421	0.039	ug/L	0.0421	106.98%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-0.8	-1.40	ug/L	2.500	-1.40	ug/L	2.500	178.18%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	6.3	0.119	ug/L	0.1709	0.119	ug/L	0.1709	143.54%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-15.2	-6.59	ug/L	0.752	-6.59	ug/L	0.752	11.41%
QC value less than the lower limit for Zn 206.200 Recovery = Not calculated								

QC Failed. Continue with analysis.

Sequence No.: 64
Sample ID: 250737410A
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 78
Date Collected: 8/21/2007 7:51:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250737410A

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1202616.0	101	%	0.2				0.19%
Sc Radial	205539.8	100	%	0.3				0.30%
Ag 328.068†	31187.8	493	ug/L	5.1	493	ug/L	5.1	1.03%
Al 308.215†	141998.2	47700	ug/L	79.3	47700	ug/L	79.3	0.17%
As 188.979†	321.8	511	ug/L	6.6	511	ug/L	6.6	1.29%
Ba 233.527†	32443.7	527	ug/L	3.1	527	ug/L	3.1	0.59%
Be 234.861†	48022.6	491	ug/L	0.4	491	ug/L	0.4	0.08%
Ca 315.887†	409423.9	46700	ug/L	111.1	46700	ug/L	111.1	0.24%
Cd 226.502†	1801.0	516	ug/L	2.8	516	ug/L	2.8	0.54%
Co 228.616†	5859.6	488	ug/L	2.2	488	ug/L	2.2	0.45%
Cr 267.716†	8771.1	504	ug/L	1.4	504	ug/L	1.4	0.28%
Cu 324.752†	121152.4	478	ug/L	0.6	478	ug/L	0.6	0.12%
Fe 259.939†	554993.5	49100	ug/L	339.1	49100	ug/L	339.1	0.69%
K 766.490†	245133.6	47100	ug/L	267.4	47100	ug/L	267.4	0.57%
Li 460.286†	3716.8	16.5	ug/L	1.32	16.5	ug/L	1.32	7.98%
Mg 279.077†	343724.0	49900	ug/L	105.3	49900	ug/L	105.3	0.21%
Mn 257.610†	138928.4	496	ug/L	2.0	496	ug/L	2.0	0.41%
Mo 202.031†	892.3	544	ug/L	5.5	544	ug/L	5.5	1.01%
Na 589.592†	568218.2	48000	ug/L	321.4	48000	ug/L	321.4	0.67%
Ni 231.604†	2541.7	524	ug/L	4.3	524	ug/L	4.3	0.82%
Pb 220.353†	370.8	535	ug/L	5.2	535	ug/L	5.2	0.98%
Sb 206.836†	430.7	508	ug/L	6.3	508	ug/L	6.3	1.24%
Se 196.026†	139.0	485	ug/L	1.4	485	ug/L	1.4	0.30%
Sn 189.927†	-8.5	-7.82	ug/L	3.493	-7.82	ug/L	3.493	44.68%
Sr 421.552†	4475.8	3.93	ug/L	0.009	3.93	ug/L	0.009	0.24%
Ti 334.940†	1627.5	4.61	ug/L	0.036	4.61	ug/L	0.036	0.78%
Tl 190.801†	388.6	554	ug/L	4.8	554	ug/L	4.8	0.86%
V 292.402†	9184.8	505	ug/L	1.2	505	ug/L	1.2	0.23%
Zn 206.200†	2753.6	547	ug/L	2.7	547	ug/L	2.7	0.49%

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Sequence No.: 65
Sample ID: 247419
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 79
Date Collected: 8/21/2007 7:55:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 247419

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1195335.0	101	%	0.2				0.22%
Sc Radial	202146.7	98.4	%	0.25				0.25%
Ag 328.068†	-39.0	-2.51	ug/L	0.159	-2.51	ug/L	0.159	6.32%
Al 308.215†	-65.7	-11.0	ug/L	1.59	-11.0	ug/L	1.59	14.48%
As 188.979†	0.5	3.15	ug/L	1.185	3.15	ug/L	1.185	37.62%
Ba 233.527†	2.7	-0.149	ug/L	0.0680	-0.149	ug/L	0.0680	45.61%
Be 234.861†	-4.1	-0.058	ug/L	0.0057	-0.058	ug/L	0.0057	9.91%
Ca 315.887†	382.7	39.2	ug/L	1.77	39.2	ug/L	1.77	4.51%
Cd 226.502†	2.9	0.567	ug/L	0.3378	0.567	ug/L	0.3378	59.59%
Co 228.616†	-3.1	-0.268	ug/L	0.6027	-0.268	ug/L	0.6027	224.74%
Cr 267.716†	-5.6	-0.367	ug/L	0.1052	-0.367	ug/L	0.1052	28.69%
Cu 324.752†	-338.4	-1.27	ug/L	0.100	-1.27	ug/L	0.100	7.86%
Fe 259.939†	29.1	0.542	ug/L	0.8069	0.542	ug/L	0.8069	148.85%
K 766.490†	-81.8	-8.50	ug/L	4.345	-8.50	ug/L	4.345	51.13%
Li 460.286†	-133.8	-4.58	ug/L	1.874	-4.58	ug/L	1.874	40.91%
Mg 279.077†	27.6	0.261	ug/L	0.3502	0.261	ug/L	0.3502	134.14%
Mn 257.610†	-7.9	-1.15	ug/L	0.021	-1.15	ug/L	0.021	1.84%
Mo 202.031†	3.4	0.416	ug/L	0.5036	0.416	ug/L	0.5036	120.94%
Na 589.592†	20.3	16.5	ug/L	3.37	16.5	ug/L	3.37	20.47%
Ni 231.604†	-1.9	-1.80	ug/L	0.381	-1.80	ug/L	0.381	21.18%
Pb 220.353†	-4.0	-5.60	ug/L	2.536	-5.60	ug/L	2.536	45.31%
Sb 206.836†	0.1	3.14	ug/L	2.561	3.14	ug/L	2.561	81.57%
Se 196.026†	0.2	5.27	ug/L	3.765	5.27	ug/L	3.765	71.50%
Sn 189.927†	-3.2	-1.40	ug/L	4.590	-1.40	ug/L	4.590	328.08%
Sr 421.552†	53.1	0.059	ug/L	0.0054	0.059	ug/L	0.0054	9.06%
Ti 334.940†	37.9	0.047	ug/L	0.0186	0.047	ug/L	0.0186	40.05%
Tl 190.801†	-1.2	-2.01	ug/L	5.511	-2.01	ug/L	5.511	274.57%
V 292.402†	3.3	-0.040	ug/L	0.1593	-0.040	ug/L	0.1593	396.01%
Zn 206.200†	27.7	2.01	ug/L	1.021	2.01	ug/L	1.021	50.86%

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Sequence No.: 66 **Autosampler Location: 80**
Sample ID: 247420 **Date Collected: 8/21/2007 7:59:50 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 247420

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1179319.3	99.2	%	0.56				0.56%
Sc Radial	201851.2	98.2	%	0.53				0.54%
Ag 328.068†	13159.2	208	ug/L	2.2	208	ug/L	2.2	1.04%
Al 308.215†	149037.0	50100	ug/L	147.6	50100	ug/L	147.6	0.29%
As 188.979†	324.1	515	ug/L	1.6	515	ug/L	1.6	0.31%
Ba 233.527†	98641.9	1600	ug/L	11.9	1600	ug/L	11.9	0.74%
Be 234.861†	51665.6	528	ug/L	4.7	528	ug/L	4.7	0.88%
Ca 315.887†	431332.0	49200	ug/L	86.6	49200	ug/L	86.6	0.18%
Cd 226.502†	1880.2	539	ug/L	5.8	539	ug/L	5.8	1.07%
Co 228.616†	6071.3	506	ug/L	5.2	506	ug/L	5.2	1.03%
Cr 267.716†	8938.8	514	ug/L	4.6	514	ug/L	4.6	0.90%
Cu 324.752†	125563.1	496	ug/L	4.6	496	ug/L	4.6	0.94%
Fe 259.939†	577155.1	51000	ug/L	103.6	51000	ug/L	103.6	0.20%
K 766.490†	256055.0	49200	ug/L	36.3	49200	ug/L	36.3	0.07%
Li 460.286†	71543.2	4700	ug/L	40.2	4700	ug/L	40.2	0.85%
Mg 279.077†	359401.3	52200	ug/L	171.4	52200	ug/L	171.4	0.33%
Mn 257.610†	142069.9	508	ug/L	5.8	508	ug/L	5.8	1.14%
Mo 202.031†	906.1	552	ug/L	5.4	552	ug/L	5.4	0.98%
Na 589.592†	592881.4	50100	ug/L	82.9	50100	ug/L	82.9	0.17%
Ni 231.604†	2618.1	540	ug/L	7.0	540	ug/L	7.0	1.29%
Pb 220.353†	380.3	550	ug/L	11.0	550	ug/L	11.0	2.00%
Sb 206.836†	451.2	534	ug/L	2.8	534	ug/L	2.8	0.53%
Se 196.026†	148.6	518	ug/L	7.5	518	ug/L	7.5	1.45%
Sn 189.927†	363.1	577	ug/L	10.9	577	ug/L	10.9	1.89%
Sr 421.552†	448951.5	485	ug/L	1.1	485	ug/L	1.1	0.23%
Ti 334.940†	177872.7	511	ug/L	4.5	511	ug/L	4.5	0.87%
Tl 190.801†	387.8	553	ug/L	1.2	553	ug/L	1.2	0.22%
V 292.402†	9416.0	517	ug/L	4.0	517	ug/L	4.0	0.78%
Zn 206.200†	2898.7	576	ug/L	8.4	576	ug/L	8.4	1.46%

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Sequence No.: 67
Sample ID: 247421
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 81
Date Collected: 8/21/2007 8:03:35 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 247421

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1174503.7	98.8	%	0.27				0.27%
Sc Radial	201192.1	97.9	%	0.16				0.16%
Ag 328.068†	13116.3	208	ug/L	2.7	208	ug/L	2.7	1.32%
Al 308.215†	147968.3	49800	ug/L	42.0	49800	ug/L	42.0	0.08%
As 188.979†	320.9	509	ug/L	4.4	509	ug/L	4.4	0.85%
Ba 233.527†	97071.9	1580	ug/L	10.5	1580	ug/L	10.5	0.67%
Be 234.861†	50381.8	515	ug/L	6.5	515	ug/L	6.5	1.26%
Ca 315.887†	427320.5	48700	ug/L	109.2	48700	ug/L	109.2	0.22%
Cd 226.502†	1875.7	538	ug/L	1.6	538	ug/L	1.6	0.30%
Co 228.616†	5963.4	497	ug/L	2.9	497	ug/L	2.9	0.58%
Cr 267.716†	8898.4	512	ug/L	2.3	512	ug/L	2.3	0.46%
Cu 324.752†	123155.2	486	ug/L	2.6	486	ug/L	2.6	0.54%
Fe 259.939†	570881.6	50500	ug/L	33.3	50500	ug/L	33.3	0.07%
K 766.490†	253393.0	48700	ug/L	50.4	48700	ug/L	50.4	0.10%
Li 460.286†	71036.4	4670	ug/L	29.7	4670	ug/L	29.7	0.64%
Mg 279.077†	359671.1	52300	ug/L	10.9	52300	ug/L	10.9	0.02%
Mn 257.610†	141715.7	506	ug/L	0.5	506	ug/L	0.5	0.10%
Mo 202.031†	912.7	556	ug/L	7.8	556	ug/L	7.8	1.40%
Na 589.592†	587630.2	49700	ug/L	47.3	49700	ug/L	47.3	0.10%
Ni 231.604†	2567.7	530	ug/L	1.7	530	ug/L	1.7	0.33%
Pb 220.353†	377.5	546	ug/L	6.7	546	ug/L	6.7	1.23%
Sb 206.836†	448.3	531	ug/L	8.9	531	ug/L	8.9	1.67%
Se 196.026†	146.3	510	ug/L	10.1	510	ug/L	10.1	1.98%
Sn 189.927†	367.2	583	ug/L	4.8	583	ug/L	4.8	0.83%
Sr 421.552†	445799.4	482	ug/L	0.8	482	ug/L	0.8	0.16%
Ti 334.940†	178372.8	512	ug/L	0.9	512	ug/L	0.9	0.18%
Tl 190.801†	397.4	567	ug/L	8.7	567	ug/L	8.7	1.53%
V 292.402†	9385.1	516	ug/L	3.0	516	ug/L	3.0	0.59%
Zn 206.200†	2878.4	572	ug/L	1.2	572	ug/L	1.2	0.22%

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Sequence No.: 68 **Autosampler Location: 82**
Sample ID: 250737201 **Date Collected: 8/21/2007 8:07:36 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250737201

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1181854.0	99.4	%	0.82				0.82%
Sc Radial	204445.7	99.5	%	0.57				0.57%
Ag 328.068†	-55.1	-2.68	ug/L	0.063	-2.68	ug/L	0.063	2.35%
Al 308.215†	855.8	299	ug/L	5.0	299	ug/L	5.0	1.66%
As 188.979†	-2.4	-1.26	ug/L	4.748	-1.26	ug/L	4.748	376.51%
Ba 233.527†	2383.0	38.5	ug/L	0.34	38.5	ug/L	0.34	0.89%
Be 234.861†	-2.6	-0.111	ug/L	0.0153	-0.111	ug/L	0.0153	13.79%
Ca 315.887†	36998.6	4210	ug/L	35.2	4210	ug/L	35.2	0.84%
Cd 226.502†	4.2	0.544	ug/L	0.4003	0.544	ug/L	0.4003	73.62%
Co 228.616†	1.7	0.125	ug/L	0.0350	0.125	ug/L	0.0350	28.12%
Cr 267.716†	15.0	0.810	ug/L	0.0606	0.810	ug/L	0.0606	7.48%
Cu 324.752†	-172.6	-0.526	ug/L	0.1785	-0.526	ug/L	0.1785	33.95%
Fe 259.939†	18638.4	1650	ug/L	13.8	1650	ug/L	13.8	0.84%
K 766.490†	6717.2	1300	ug/L	13.0	1300	ug/L	13.0	1.00%
Li 460.286†	-140.1	-13.3	ug/L	2.55	-13.3	ug/L	2.55	19.18%
Mg 279.077†	19970.6	2900	ug/L	20.3	2900	ug/L	20.3	0.70%
Mn 257.610†	2041.8	6.12	ug/L	0.042	6.12	ug/L	0.042	0.69%
Mo 202.031†	3.6	0.666	ug/L	1.7385	0.666	ug/L	1.7385	261.03%
Na 589.592†	115182.5	9750	ug/L	55.3	9750	ug/L	55.3	0.57%
Ni 231.604†	0.3	-1.38	ug/L	0.301	-1.38	ug/L	0.301	21.84%
Pb 220.353†	-5.1	-6.73	ug/L	1.501	-6.73	ug/L	1.501	22.32%
Sb 206.836†	0.4	3.37	ug/L	2.653	3.37	ug/L	2.653	78.78%
Se 196.026†	0.7	7.32	ug/L	2.650	7.32	ug/L	2.650	36.20%
Sn 189.927†	-6.2	-5.79	ug/L	1.254	-5.79	ug/L	1.254	21.65%
Sr 421.552†	42093.9	45.5	ug/L	0.27	45.5	ug/L	0.27	0.59%
Ti 334.940†	629.4	1.75	ug/L	0.068	1.75	ug/L	0.068	3.88%
Tl 190.801†	-1.4	-2.48	ug/L	1.965	-2.48	ug/L	1.965	79.27%
V 292.402†	34.9	1.81	ug/L	0.335	1.81	ug/L	0.335	18.49%
Zn 206.200†	16.1	-0.439	ug/L	0.1541	-0.439	ug/L	0.1541	35.11%

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Sequence No.: 69
Sample ID: 250737201L
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 83
Date Collected: 8/21/2007 8:11:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250737201L

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1230454.9	104	%	0.4				0.42%
Sc Radial	205304.8	99.9	%	0.56				0.56%
Ag 328.068†	-47.8	-2.64	ug/L	0.123	-13.2	ug/L	0.62	4.67%
Al 308.215†	99.4	44.5	ug/L	1.32	223	ug/L	6.6	2.96%
As 188.979†	-1.1	0.707	ug/L	1.0427	3.53	ug/L	5.214	147.49%
Ba 233.527†	439.5	6.95	ug/L	0.104	34.7	ug/L	0.52	1.50%
Be 234.861†	-9.9	-0.130	ug/L	0.0252	-0.651	ug/L	0.1261	19.38%
Ca 315.887†	7206.5	817	ug/L	4.3	4080	ug/L	21.5	0.53%
Cd 226.502†	3.2	0.593	ug/L	0.3656	2.96	ug/L	1.828	61.67%
Co 228.616†	-3.3	-0.282	ug/L	0.3883	-1.41	ug/L	1.941	137.68%
Cr 267.716†	-0.6	-0.081	ug/L	0.3148	-0.407	ug/L	1.5741	386.48%
Cu 324.752†	-497.7	-1.88	ug/L	0.068	-9.41	ug/L	0.341	3.63%
Fe 259.939†	3539.1	311	ug/L	1.5	1550	ug/L	7.6	0.49%
K 766.490†	1196.3	237	ug/L	3.1	1190	ug/L	15.6	1.31%
Li 460.286†	-67.2	-1.54	ug/L	1.820	-7.69	ug/L	9.099	118.26%
Mg 279.077†	3632.2	524	ug/L	4.8	2620	ug/L	23.8	0.91%
Mn 257.610†	398.1	0.291	ug/L	0.0136	1.45	ug/L	0.068	4.67%
Mo 202.031†	2.5	-0.115	ug/L	1.3309	-0.575	ug/L	6.6546	>999.9%
Na 589.592†	20705.6	1770	ug/L	3.8	8830	ug/L	19.0	0.22%
Ni 231.604†	6.1	-0.145	ug/L	1.1718	-0.726	ug/L	5.8592	806.87%
Pb 220.353†	-2.9	-3.91	ug/L	3.069	-19.5	ug/L	15.35	78.51%
Sb 206.836†	-2.1	0.578	ug/L	2.8101	2.89	ug/L	14.051	485.78%
Se 196.026†	0.4	6.04	ug/L	4.934	30.2	ug/L	24.67	81.68%
Sn 189.927†	-2.8	-0.708	ug/L	2.0491	-3.54	ug/L	10.245	289.31%
Sr 421.552†	7912.8	8.55	ug/L	0.057	42.8	ug/L	0.28	0.66%
Ti 334.940†	169.5	0.424	ug/L	0.0467	2.12	ug/L	0.234	11.01%
Tl 190.801†	-2.3	-3.54	ug/L	4.971	-17.7	ug/L	24.85	140.46%
V 292.402†	10.5	0.370	ug/L	0.0626	1.85	ug/L	0.313	16.92%
Zn 206.200†	7.3	-2.10	ug/L	0.577	-10.5	ug/L	2.89	27.47%

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Sequence No.: 70 **Autosampler Location: 84**
Sample ID: 250737202 **Date Collected: 8/21/2007 8:16:15 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250737202

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1142940.6	96.1	%	0.24				0.25%
Sc Radial	196574.1	95.7	%	0.29				0.31%
Ag 328.068†	14206.0	225	ug/L	0.4	225	ug/L	0.4	0.16%
Al 308.215†	160465.1	54000	ug/L	107.8	54000	ug/L	107.8	0.20%
As 188.979†	349.1	554	ug/L	6.1	554	ug/L	6.1	1.11%
Ba 233.527†	109273.2	1770	ug/L	4.2	1770	ug/L	4.2	0.24%
Be 234.861†	55508.3	568	ug/L	2.0	568	ug/L	2.0	0.36%
Ca 315.887†	497223.4	56700	ug/L	18.4	56700	ug/L	18.4	0.03%
Cd 226.502†	2025.5	580	ug/L	1.8	580	ug/L	1.8	0.31%
Co 228.616†	6513.9	543	ug/L	0.7	543	ug/L	0.7	0.12%
Cr 267.716†	9680.7	557	ug/L	1.9	557	ug/L	1.9	0.34%
Cu 324.752†	135734.3	536	ug/L	0.1	536	ug/L	0.1	0.02%
Fe 259.939†	630327.8	55700	ug/L	43.0	55700	ug/L	43.0	0.08%
K 766.490†	279490.4	53700	ug/L	107.1	53700	ug/L	107.1	0.20%
Li 460.286†	77038.2	5060	ug/L	9.3	5060	ug/L	9.3	0.18%
Mg 279.077†	403025.7	58600	ug/L	240.1	58600	ug/L	240.1	0.41%
Mn 257.610†	155425.7	555	ug/L	2.1	555	ug/L	2.1	0.37%
Mo 202.031†	986.2	601	ug/L	6.3	601	ug/L	6.3	1.04%
Na 589.592†	749373.5	63400	ug/L	369.7	63400	ug/L	369.7	0.58%
Ni 231.604†	2769.8	571	ug/L	1.0	571	ug/L	1.0	0.17%
Pb 220.353†	410.0	593	ug/L	1.2	593	ug/L	1.2	0.20%
Sb 206.836†	485.5	574	ug/L	5.2	574	ug/L	5.2	0.91%
Se 196.026†	119.0	417	ug/L	7.4	417	ug/L	7.4	1.78%
Sn 189.927†	396.0	629	ug/L	1.9	629	ug/L	1.9	0.30%
Sr 421.552†	521946.9	564	ug/L	1.4	564	ug/L	1.4	0.25%
Ti 334.940†	193467.4	556	ug/L	1.1	556	ug/L	1.1	0.19%
Tl 190.801†	425.4	607	ug/L	5.8	607	ug/L	5.8	0.96%
V 292.402†	10267.4	564	ug/L	1.7	564	ug/L	1.7	0.30%
Zn 206.200†	3090.7	615	ug/L	0.7	615	ug/L	0.7	0.12%

Sequence No.: 71 **Autosampler Location: 85**
Sample ID: 250737203 **Date Collected: 8/21/2007 8:20:17 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250737203

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1171177.8	98.5	%	2.44				2.48%
Sc Radial	194779.1	94.8	%	3.23				3.41%
Ag 328.068†	13927.5	221	ug/L	8.7	221	ug/L	8.7	3.92%
Al 308.215†	163195.1	54900	ug/L	2222.6	54900	ug/L	2222.6	4.05%
As 188.979†	341.1	542	ug/L	18.7	542	ug/L	18.7	3.46%
Ba 233.527†	107111.2	1740	ug/L	55.2	1740	ug/L	55.2	3.17%
Be 234.861†	54390.2	556	ug/L	20.9	556	ug/L	20.9	3.75%
Ca 315.887†	505240.6	57600	ug/L	2369.2	57600	ug/L	2369.2	4.11%
Cd 226.502†	1967.0	563	ug/L	17.7	563	ug/L	17.7	3.14%
Co 228.616†	6386.4	532	ug/L	15.1	532	ug/L	15.1	2.84%
Cr 267.716†	9486.5	545	ug/L	18.7	545	ug/L	18.7	3.44%
Cu 324.752†	132401.4	523	ug/L	18.9	523	ug/L	18.9	3.61%
Fe 259.939†	640050.8	56600	ug/L	2256.4	56600	ug/L	2256.4	3.99%
K 766.490†	284350.5	54700	ug/L	2200.0	54700	ug/L	2200.0	4.02%
Li 460.286†	75477.9	4940	ug/L	183.4	4940	ug/L	183.4	3.71%
Mg 279.077†	408085.2	59300	ug/L	1710.4	59300	ug/L	1710.4	2.88%
Mn 257.610†	151973.8	543	ug/L	16.9	543	ug/L	16.9	3.10%
Mo 202.031†	962.4	587	ug/L	17.4	587	ug/L	17.4	2.97%
Na 589.592†	755786.8	63900	ug/L	2194.8	63900	ug/L	2194.8	3.43%
Ni 231.604†	2704.1	558	ug/L	15.9	558	ug/L	15.9	2.84%
Pb 220.353†	393.1	569	ug/L	22.1	569	ug/L	22.1	3.88%
Sb 206.836†	473.0	559	ug/L	22.8	559	ug/L	22.8	4.08%
Se 196.026†	123.3	432	ug/L	24.9	432	ug/L	24.9	5.77%
Sn 189.927†	385.2	612	ug/L	13.3	612	ug/L	13.3	2.17%
Sr 421.552†	532285.5	575	ug/L	22.9	575	ug/L	22.9	3.98%
Ti 334.940†	189223.6	543	ug/L	19.4	543	ug/L	19.4	3.57%
Tl 190.801†	407.3	580	ug/L	10.1	580	ug/L	10.1	1.74%
V 292.402†	10057.5	553	ug/L	19.8	553	ug/L	19.8	3.58%
Zn 206.200†	3009.7	598	ug/L	19.0	598	ug/L	19.0	3.17%

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Sequence No.: 72 **Autosampler Location: 86**
Sample ID: 250737201A **Date Collected: 8/21/2007 8:24:21 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250737201A

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1163752.4	97.9	%	0.28				0.29%
Sc Radial	198258.6	96.5	%	0.31				0.32%
Ag 328.068†	33424.3	529	ug/L	8.0	529	ug/L	8.0	1.52%
Al 308.215†	151780.9	51000	ug/L	103.8	51000	ug/L	103.8	0.20%
As 188.979†	336.7	535	ug/L	8.6	535	ug/L	8.6	1.61%
Ba 233.527†	36905.9	599	ug/L	4.5	599	ug/L	4.5	0.76%
Be 234.861†	52340.0	535	ug/L	7.4	535	ug/L	7.4	1.38%
Ca 315.887†	469400.1	53500	ug/L	52.6	53500	ug/L	52.6	0.10%
Cd 226.502†	1920.0	550	ug/L	3.4	550	ug/L	3.4	0.62%
Co 228.616†	6328.6	528	ug/L	4.1	528	ug/L	4.1	0.78%
Cr 267.716†	9300.8	535	ug/L	5.6	535	ug/L	5.6	1.05%
Cu 324.752†	128707.9	508	ug/L	3.1	508	ug/L	3.1	0.61%
Fe 259.939†	597925.7	52900	ug/L	128.3	52900	ug/L	128.3	0.24%
K 766.490†	264186.5	50800	ug/L	95.0	50800	ug/L	95.0	0.19%
Li 460.286†	3907.3	10.6	ug/L	5.14	10.6	ug/L	5.14	48.67%
Mg 279.077†	386686.4	56200	ug/L	166.2	56200	ug/L	166.2	0.30%
Mn 257.610†	148075.1	529	ug/L	4.3	529	ug/L	4.3	0.82%
Mo 202.031†	946.9	577	ug/L	1.5	577	ug/L	1.5	0.26%
Na 589.592†	703899.2	59500	ug/L	450.9	59500	ug/L	450.9	0.76%
Ni 231.604†	2700.1	557	ug/L	1.6	557	ug/L	1.6	0.28%
Pb 220.353†	399.0	576	ug/L	3.8	576	ug/L	3.8	0.66%
Sb 206.836†	462.7	546	ug/L	7.0	546	ug/L	7.0	1.28%
Se 196.026†	152.4	531	ug/L	11.4	531	ug/L	11.4	2.15%
Sn 189.927†	-5.8	-3.22	ug/L	5.349	-3.22	ug/L	5.349	166.29%
Sr 421.552†	43561.8	46.1	ug/L	0.10	46.1	ug/L	0.10	0.22%
Ti 334.940†	2448.9	6.97	ug/L	0.213	6.97	ug/L	0.213	3.05%
Tl 190.801†	413.8	590	ug/L	4.6	590	ug/L	4.6	0.79%
V 292.402†	9714.2	534	ug/L	5.3	534	ug/L	5.3	1.00%
Zn 206.200†	2964.3	590	ug/L	0.8	590	ug/L	0.8	0.13%

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Sequence No.: 73 **Autosampler Location: 87**
Sample ID: 250737204 **Date Collected: 8/21/2007 8:28:22 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250737204

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1198036.0	101	%	0.0				0.02%
Sc Radial	200859.1	97.8	%	0.81				0.83%
Ag 328.068†	-57.1	-2.71	ug/L	0.070	-2.71	ug/L	0.070	2.58%
Al 308.215†	615.0	218	ug/L	4.2	218	ug/L	4.2	1.91%
As 188.979†	-2.1	-0.845	ug/L	1.5380	-0.845	ug/L	1.5380	182.01%
Ba 233.527†	938.1	15.1	ug/L	0.08	15.1	ug/L	0.08	0.54%
Be 234.861†	-2.7	-0.083	ug/L	0.0423	-0.083	ug/L	0.0423	50.78%
Ca 315.887†	88268.5	10100	ug/L	37.6	10100	ug/L	37.6	0.37%
Cd 226.502†	7.7	1.37	ug/L	0.330	1.37	ug/L	0.330	24.05%
Co 228.616†	-0.1	-0.025	ug/L	0.2516	-0.025	ug/L	0.2516	995.33%
Cr 267.716†	-4.3	-0.290	ug/L	0.3287	-0.290	ug/L	0.3287	113.20%
Cu 324.752†	-356.2	-1.18	ug/L	0.061	-1.18	ug/L	0.061	5.16%
Fe 259.939†	10843.1	957	ug/L	10.8	957	ug/L	10.8	1.13%
K 766.490†	8810.6	1700	ug/L	19.9	1700	ug/L	19.9	1.17%
Li 460.286†	-55.7	-4.43	ug/L	2.013	-4.43	ug/L	2.013	45.41%
Mg 279.077†	16498.3	2390	ug/L	22.9	2390	ug/L	22.9	0.96%
Mn 257.610†	1702.1	4.91	ug/L	0.040	4.91	ug/L	0.040	0.80%
Mo 202.031†	0.2	-1.46	ug/L	0.963	-1.46	ug/L	0.963	65.70%
Na 589.592†	87492.7	7410	ug/L	22.8	7410	ug/L	22.8	0.31%
Ni 231.604†	1.1	-1.20	ug/L	1.234	-1.20	ug/L	1.234	103.14%
Pb 220.353†	-5.0	-5.77	ug/L	7.206	-5.77	ug/L	7.206	124.87%
Sb 206.836†	-1.3	1.24	ug/L	1.664	1.24	ug/L	1.664	134.07%
Se 196.026†	-0.9	1.71	ug/L	1.010	1.71	ug/L	1.010	59.04%
Sn 189.927†	-8.2	-8.67	ug/L	3.571	-8.67	ug/L	3.571	41.17%
Sr 421.552†	42453.3	45.8	ug/L	0.11	45.8	ug/L	0.11	0.24%
Ti 334.940†	181.1	0.458	ug/L	0.0014	0.458	ug/L	0.0014	0.30%
Tl 190.801†	3.1	4.36	ug/L	3.588	4.36	ug/L	3.588	82.38%
V 292.402†	21.6	1.02	ug/L	0.065	1.02	ug/L	0.065	6.39%
Zn 206.200†	2.4	-3.10	ug/L	0.617	-3.10	ug/L	0.617	19.90%

Sequence No.: 74 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 8/21/2007 8:32:50 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1159987.2	97.6	%	0.43				0.44%
Sc Radial	195454.9	95.1	%	0.14				0.15%
Ag 328.068†	32831.6	519	ug/L	4.7	519	ug/L	4.7	0.92%
QC value within limits for Ag 328.068 Recovery = 103.72%								
Al 308.215†	74081.2	24900	ug/L	99.3	24900	ug/L	99.3	0.40%
QC value within limits for Al 308.215 Recovery = 99.66%								
As 188.979†	335.4	532	ug/L	4.4	532	ug/L	4.4	0.83%
QC value within limits for As 188.979 Recovery = 106.34%								
Ba 233.527†	33939.8	551	ug/L	0.4	551	ug/L	0.4	0.08%
QC value greater than the upper limit for Ba 233.527 Recovery = 110.19%								
Be 234.861†	50815.8	520	ug/L	4.1	520	ug/L	4.1	0.80%
QC value within limits for Be 234.861 Recovery = 104.02%								
Ca 315.887†	221318.4	25200	ug/L	58.6	25200	ug/L	58.6	0.23%
QC value within limits for Ca 315.887 Recovery = 100.87%								
Cd 226.502†	1905.3	549	ug/L	2.2	549	ug/L	2.2	0.40%
QC value within limits for Cd 226.502 Recovery = 109.74%								
Co 228.616†	6281.0	523	ug/L	0.9	523	ug/L	0.9	0.17%
QC value within limits for Co 228.616 Recovery = 104.61%								
Cr 267.716†	9229.9	531	ug/L	2.1	531	ug/L	2.1	0.40%
QC value within limits for Cr 267.716 Recovery = 106.13%								
Cu 324.752†	124913.4	492	ug/L	1.2	492	ug/L	1.2	0.24%
QC value within limits for Cu 324.752 Recovery = 98.48%								
Fe 259.939†	453955.2	40100	ug/L	198.4	40100	ug/L	198.4	0.49%
QC value within limits for Fe 259.939 Recovery = 100.36%								
K 766.490†	125588.6	24100	ug/L	30.6	24100	ug/L	30.6	0.13%
QC value within limits for K 766.490 Recovery = 96.58%								
Li 460.286†	72288.2	4810	ug/L	11.4	4810	ug/L	11.4	0.24%
Mg 279.077†	188670.0	27400	ug/L	103.1	27400	ug/L	103.1	0.38%
QC value within limits for Mg 279.077 Recovery = 109.65%								
Mn 257.610†	144118.8	516	ug/L	2.5	516	ug/L	2.5	0.48%
QC value within limits for Mn 257.610 Recovery = 103.14%								
Mo 202.031†	928.8	565	ug/L	1.6	565	ug/L	1.6	0.29%
QC value greater than the upper limit for Mo 202.031 Recovery = 113.01%								
Na 589.592†	290827.7	24600	ug/L	53.4	24600	ug/L	53.4	0.22%
QC value within limits for Na 589.592 Recovery = 98.40%								
Ni 231.604†	2707.4	559	ug/L	1.5	559	ug/L	1.5	0.27%
QC value greater than the upper limit for Ni 231.604 Recovery = 111.78%								
Pb 220.353†	398.2	572	ug/L	9.4	572	ug/L	9.4	1.65%
QC value greater than the upper limit for Pb 220.353 Recovery = 114.48%								
Sb 206.836†	447.2	529	ug/L	4.7	529	ug/L	4.7	0.89%
QC value within limits for Sb 206.836 Recovery = 105.88%								
Se 196.026†	145.8	507	ug/L	1.3	507	ug/L	1.3	0.25%
QC value within limits for Se 196.026 Recovery = 101.34%								
Sn 189.927†	286.7	455	ug/L	5.1	455	ug/L	5.1	1.11%
QC value greater than the upper limit for Sn 189.927 Recovery = 113.77%								
Sr 421.552†	362083.9	392	ug/L	3.6	392	ug/L	3.6	0.91%
QC value within limits for Sr 421.552 Recovery = 97.88%								
Ti 334.940†	143256.5	411	ug/L	2.0	411	ug/L	2.0	0.48%
QC value within limits for Ti 334.940 Recovery = 102.86%								
Tl 190.801†	411.4	588	ug/L	8.8	588	ug/L	8.8	1.49%
QC value greater than the upper limit for Tl 190.801 Recovery = 117.65%								
V 292.402†	9422.6	517	ug/L	3.3	517	ug/L	3.3	0.65%
QC value within limits for V 292.402 Recovery = 103.35%								
Zn 206.200†	2977.7	593	ug/L	3.1	593	ug/L	3.1	0.53%
QC value greater than the upper limit for Zn 206.200 Recovery = 118.69%								

QC Failed. Retry.

Sequence No.: 75 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 8/21/2007 8:35:23 PM**

Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1152113.4	96.9	%	0.02				0.02%
Sc Radial	193917.7	94.4	%	0.40				0.42%
Ag 328.068†	32949.6	520	ug/L	2.4	520	ug/L	2.4	0.46%
QC value within limits for Ag 328.068 Recovery = 104.09%								
Al 308.215†	74580.9	25100	ug/L	62.6	25100	ug/L	62.6	0.25%
QC value within limits for Al 308.215 Recovery = 100.33%								
As 188.979†	340.7	540	ug/L	0.6	540	ug/L	0.6	0.11%
QC value within limits for As 188.979 Recovery = 108.02%								
Ba 233.527†	34291.6	557	ug/L	2.3	557	ug/L	2.3	0.42%
QC value greater than the upper limit for Ba 233.527 Recovery = 111.33%								
Be 234.861†	50962.5	522	ug/L	0.4	522	ug/L	0.4	0.07%
QC value within limits for Be 234.861 Recovery = 104.32%								
Ca 315.887†	222295.4	25300	ug/L	41.8	25300	ug/L	41.8	0.17%
QC value within limits for Ca 315.887 Recovery = 101.32%								
Cd 226.502†	1924.9	554	ug/L	1.5	554	ug/L	1.5	0.27%
QC value greater than the upper limit for Cd 226.502 Recovery = 110.87%								
Co 228.616†	6258.1	521	ug/L	1.1	521	ug/L	1.1	0.22%
QC value within limits for Co 228.616 Recovery = 104.23%								
Cr 267.716†	9308.5	535	ug/L	0.6	535	ug/L	0.6	0.12%
QC value within limits for Cr 267.716 Recovery = 107.03%								
Cu 324.752†	126022.3	497	ug/L	0.5	497	ug/L	0.5	0.11%
QC value within limits for Cu 324.752 Recovery = 99.35%								
Fe 259.939†	458063.7	40500	ug/L	116.1	40500	ug/L	116.1	0.29%
QC value within limits for Fe 259.939 Recovery = 101.27%								
K 766.490†	126466.3	24300	ug/L	14.7	24300	ug/L	14.7	0.06%
QC value within limits for K 766.490 Recovery = 97.26%								
Li 460.286†	72949.7	4850	ug/L	7.3	4850	ug/L	7.3	0.15%
Mg 279.077†	190480.0	27700	ug/L	90.2	27700	ug/L	90.2	0.33%
QC value greater than the upper limit for Mg 279.077 Recovery = 110.70%								
Mn 257.610†	145427.8	520	ug/L	2.7	520	ug/L	2.7	0.52%
QC value within limits for Mn 257.610 Recovery = 104.08%								
Mo 202.031†	945.0	575	ug/L	2.1	575	ug/L	2.1	0.36%
QC value greater than the upper limit for Mo 202.031 Recovery = 114.98%								
Na 589.592†	292611.0	24800	ug/L	10.0	24800	ug/L	10.0	0.04%
QC value within limits for Na 589.592 Recovery = 99.00%								
Ni 231.604†	2722.0	562	ug/L	3.1	562	ug/L	3.1	0.56%
QC value greater than the upper limit for Ni 231.604 Recovery = 112.38%								
Pb 220.353†	401.3	577	ug/L	4.1	577	ug/L	4.1	0.70%
QC value greater than the upper limit for Pb 220.353 Recovery = 115.38%								
Sb 206.836†	448.7	531	ug/L	5.0	531	ug/L	5.0	0.95%
QC value within limits for Sb 206.836 Recovery = 106.26%								
Se 196.026†	153.0	531	ug/L	11.4	531	ug/L	11.4	2.15%
QC value within limits for Se 196.026 Recovery = 106.26%								
Sn 189.927†	292.8	465	ug/L	2.5	465	ug/L	2.5	0.54%
QC value greater than the upper limit for Sn 189.927 Recovery = 116.17%								
Sr 421.552†	363979.6	394	ug/L	2.6	394	ug/L	2.6	0.66%
QC value within limits for Sr 421.552 Recovery = 98.39%								
Ti 334.940†	144398.8	415	ug/L	1.3	415	ug/L	1.3	0.32%
QC value within limits for Ti 334.940 Recovery = 103.68%								
Tl 190.801†	417.2	597	ug/L	8.0	597	ug/L	8.0	1.34%
QC value greater than the upper limit for Tl 190.801 Recovery = 119.32%								
V 292.402†	9501.2	521	ug/L	2.3	521	ug/L	2.3	0.44%
QC value within limits for V 292.402 Recovery = 104.23%								
Zn 206.200†	3024.3	603	ug/L	1.3	603	ug/L	1.3	0.21%
QC value greater than the upper limit for Zn 206.200 Recovery = 120.56%								

QC Failed. Continue with analysis.

Sequence No.: 76 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 8/21/2007 8:39:16 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1221929.9	103	%	0.3				0.25%
Sc Radial	203093.4	98.8	%	0.76				0.77%
Ag 328.068†	-46.4	-2.63	ug/L	0.168	-2.63	ug/L	0.168	6.38%
QC value less than the lower limit for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-89.4	-18.9	ug/L	0.44	-18.9	ug/L	0.44	2.34%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	0.6	3.34	ug/L	1.114	3.34	ug/L	1.114	33.39%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-3.7	-0.254	ug/L	0.0706	-0.254	ug/L	0.0706	27.85%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-9.7	-0.115	ug/L	0.0317	-0.115	ug/L	0.0317	27.50%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	55.8	1.93	ug/L	0.937	1.93	ug/L	0.937	48.59%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	0.3	-0.166	ug/L	0.3079	-0.166	ug/L	0.3079	185.56%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-5.6	-0.472	ug/L	0.1691	-0.472	ug/L	0.1691	35.80%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-9.1	-0.567	ug/L	0.4345	-0.567	ug/L	0.4345	76.57%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-519.3	-1.98	ug/L	0.099	-1.98	ug/L	0.099	4.99%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	-0.2	-2.05	ug/L	0.561	-2.05	ug/L	0.561	27.42%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-202.3	-31.7	ug/L	6.05	-31.7	ug/L	6.05	19.11%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	-82.3	-1.01	ug/L	2.197	-1.01	ug/L	2.197	218.33%
Mg 279.077†	23.4	-0.347	ug/L	1.5329	-0.347	ug/L	1.5329	441.60%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-33.3	-1.24	ug/L	0.014	-1.24	ug/L	0.014	1.12%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	3.0	0.195	ug/L	0.2111	0.195	ug/L	0.2111	108.10%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-1052.1	-74.2	ug/L	2.73	-74.2	ug/L	2.73	3.68%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-0.5	-1.50	ug/L	1.286	-1.50	ug/L	1.286	85.76%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-2.7	-3.66	ug/L	3.139	-3.66	ug/L	3.139	85.78%
QC value less than the lower limit for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-2.2	0.516	ug/L	0.3064	0.516	ug/L	0.3064	59.37%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	0.3	5.61	ug/L	0.683	5.61	ug/L	0.683	12.18%
QC value greater than the upper limit for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-3.1	-1.10	ug/L	1.200	-1.10	ug/L	1.200	109.13%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	31.6	0.037	ug/L	0.0084	0.037	ug/L	0.0084	22.70%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	36.9	0.044	ug/L	0.0137	0.044	ug/L	0.0137	31.41%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-1.7	-2.63	ug/L	1.955	-2.63	ug/L	1.955	74.37%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	3.4	-0.042	ug/L	0.1899	-0.042	ug/L	0.1899	454.67%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-13.0	-6.15	ug/L	0.526	-6.15	ug/L	0.526	8.56%
QC value less than the lower limit for Zn 206.200 Recovery = Not calculated								

QC Failed. Retry.

Sequence No.: 77 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 8/21/2007 8:42:15 PM**

Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1220414.7	103	%	0.6				0.55%
Sc Radial	202011.5	98.3	%	0.35				0.36%
Ag 328.068†	-43.2	-2.58	ug/L	0.105	-2.58	ug/L	0.105	4.06%
QC value less than the lower limit for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-91.7	-19.7	ug/L	1.24	-19.7	ug/L	1.24	6.29%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-1.6	-0.055	ug/L	2.3509	-0.055	ug/L	2.3509	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-3.3	-0.247	ug/L	0.0705	-0.247	ug/L	0.0705	28.54%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-12.8	-0.146	ug/L	0.0128	-0.146	ug/L	0.0128	8.72%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	52.0	1.49	ug/L	1.400	1.49	ug/L	1.400	93.76%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	0.2	-0.201	ug/L	0.5512	-0.201	ug/L	0.5512	274.48%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-5.7	-0.480	ug/L	0.1889	-0.480	ug/L	0.1889	39.33%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-11.3	-0.694	ug/L	0.1887	-0.694	ug/L	0.1887	27.20%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-519.8	-1.99	ug/L	0.140	-1.99	ug/L	0.140	7.04%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	-2.0	-2.20	ug/L	0.033	-2.20	ug/L	0.033	1.49%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-173.3	-26.1	ug/L	5.89	-26.1	ug/L	5.89	22.57%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	-137.7	-4.84	ug/L	2.123	-4.84	ug/L	2.123	43.86%
Mg 279.077†	12.9	-1.88	ug/L	0.279	-1.88	ug/L	0.279	14.84%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-39.5	-1.26	ug/L	0.005	-1.26	ug/L	0.005	0.36%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	3.9	0.725	ug/L	0.3859	0.725	ug/L	0.3859	53.23%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-1018.3	-71.3	ug/L	1.88	-71.3	ug/L	1.88	2.63%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	1.4	-1.10	ug/L	1.179	-1.10	ug/L	1.179	106.92%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-3.5	-4.86	ug/L	3.784	-4.86	ug/L	3.784	77.79%
QC value less than the lower limit for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-1.4	1.45	ug/L	0.909	1.45	ug/L	0.909	62.91%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-2.2	-2.81	ug/L	3.078	-2.81	ug/L	3.078	109.67%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-4.5	-3.41	ug/L	1.487	-3.41	ug/L	1.487	43.61%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	32.8	0.038	ug/L	0.0131	0.038	ug/L	0.0131	34.37%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	35.2	0.039	ug/L	0.0238	0.039	ug/L	0.0238	61.51%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-0.6	-0.992	ug/L	7.1250	-0.992	ug/L	7.1250	718.40%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	1.2	-0.154	ug/L	0.1401	-0.154	ug/L	0.1401	91.17%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-15.0	-6.55	ug/L	0.327	-6.55	ug/L	0.327	5.00%
QC value less than the lower limit for Zn 206.200 Recovery = Not calculated								

QC Failed. Continue with analysis.

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Sequence No.: 78 **Autosampler Location: 88**
Sample ID: 250737205 **Date Collected: 8/21/2007 8:46:34 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250737205

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1163866.9	97.9	%	0.31				0.32%
Sc Radial	196077.1	95.4	%	0.28				0.29%
Ag 328.068†	-53.9	-2.65	ug/L	0.128	-2.65	ug/L	0.128	4.83%
Al 308.215†	644.3	228	ug/L	2.8	228	ug/L	2.8	1.24%
As 188.979†	-3.2	-2.54	ug/L	2.330	-2.54	ug/L	2.330	91.81%
Ba 233.527†	996.7	16.1	ug/L	0.08	16.1	ug/L	0.08	0.47%
Be 234.861†	-1.7	-0.075	ug/L	0.0380	-0.075	ug/L	0.0380	50.47%
Ca 315.887†	93196.9	10600	ug/L	21.6	10600	ug/L	21.6	0.20%
Cd 226.502†	10.5	2.15	ug/L	0.450	2.15	ug/L	0.450	20.94%
Co 228.616†	0.4	0.011	ug/L	0.4129	0.011	ug/L	0.4129	>999.9%
Cr 267.716†	9.2	0.487	ug/L	0.4189	0.487	ug/L	0.4189	86.04%
Cu 324.752†	-274.3	-0.846	ug/L	0.1704	-0.846	ug/L	0.1704	20.14%
Fe 259.939†	11465.8	1010	ug/L	5.3	1010	ug/L	5.3	0.53%
K 766.490†	9310.1	1800	ug/L	3.5	1800	ug/L	3.5	0.19%
Li 460.286†	-80.9	-6.48	ug/L	3.301	-6.48	ug/L	3.301	50.97%
Mg 279.077†	17748.6	2580	ug/L	2.9	2580	ug/L	2.9	0.11%
Mn 257.610†	1809.3	5.29	ug/L	0.035	5.29	ug/L	0.035	0.66%
Mo 202.031†	1.8	-0.458	ug/L	2.7610	-0.458	ug/L	2.7610	603.26%
Na 589.592†	92613.2	7840	ug/L	26.3	7840	ug/L	26.3	0.34%
Ni 231.604†	1.8	-1.05	ug/L	0.688	-1.05	ug/L	0.688	65.81%
Pb 220.353†	-2.9	-2.77	ug/L	5.038	-2.77	ug/L	5.038	182.11%
Sb 206.836†	0.0	2.79	ug/L	4.194	2.79	ug/L	4.194	150.41%
Se 196.026†	-0.9	1.60	ug/L	0.985	1.60	ug/L	0.985	61.65%
Sn 189.927†	-5.2	-3.98	ug/L	2.799	-3.98	ug/L	2.799	70.28%
Sr 421.552†	44580.3	48.1	ug/L	0.09	48.1	ug/L	0.09	0.19%
Ti 334.940†	156.6	0.387	ug/L	0.0361	0.387	ug/L	0.0361	9.33%
Tl 190.801†	-1.1	-1.84	ug/L	3.544	-1.84	ug/L	3.544	192.49%
V 292.402†	18.8	0.878	ug/L	0.4035	0.878	ug/L	0.4035	45.96%
Zn 206.200†	0.8	-3.43	ug/L	0.450	-3.43	ug/L	0.450	13.13%

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Sequence No.: 79
Sample ID: 250737401
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 89
Date Collected: 8/21/2007 8:50:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 250737401

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1164441.9	98.0	%	0.26				0.27%
Sc Radial	196561.4	95.7	%	0.37				0.38%
Ag 328.068†	-48.6	-2.58	ug/L	0.145	-2.58	ug/L	0.145	5.62%
Al 308.215†	18.5	17.3	ug/L	1.51	17.3	ug/L	1.51	8.69%
As 188.979†	-3.7	-3.33	ug/L	5.228	-3.33	ug/L	5.228	156.89%
Ba 233.527†	1016.8	16.4	ug/L	0.06	16.4	ug/L	0.06	0.36%
Be 234.861†	-14.7	-0.182	ug/L	0.0372	-0.182	ug/L	0.0372	20.47%
Ca 315.887†	121996.4	13900	ug/L	60.5	13900	ug/L	60.5	0.44%
Cd 226.502†	12.0	2.51	ug/L	0.704	2.51	ug/L	0.704	28.03%
Co 228.616†	-4.2	-0.349	ug/L	0.0828	-0.349	ug/L	0.0828	23.68%
Cr 267.716†	6.5	0.339	ug/L	0.6121	0.339	ug/L	0.6121	180.71%
Cu 324.752†	317.5	1.51	ug/L	0.100	1.51	ug/L	0.100	6.63%
Fe 259.939†	4179.5	368	ug/L	1.6	368	ug/L	1.6	0.44%
K 766.490†	6369.8	1230	ug/L	7.2	1230	ug/L	7.2	0.59%
Li 460.286†	-163.0	-9.21	ug/L	3.127	-9.21	ug/L	3.127	33.97%
Mg 279.077†	15274.8	2220	ug/L	4.6	2220	ug/L	4.6	0.21%
Mn 257.610†	5801.9	19.6	ug/L	0.15	19.6	ug/L	0.15	0.76%
Mo 202.031†	1.8	-0.521	ug/L	2.2364	-0.521	ug/L	2.2364	429.20%
Na 589.592†	48935.4	4150	ug/L	21.2	4150	ug/L	21.2	0.51%
Ni 231.604†	3.1	-0.761	ug/L	0.6391	-0.761	ug/L	0.6391	84.02%
Pb 220.353†	-5.3	-5.81	ug/L	3.698	-5.81	ug/L	3.698	63.65%
Sb 206.836†	-0.4	2.26	ug/L	4.306	2.26	ug/L	4.306	190.64%
Se 196.026†	1.6	10.0	ug/L	8.78	10.0	ug/L	8.78	87.75%
Sn 189.927†	-5.9	-4.93	ug/L	1.360	-4.93	ug/L	1.360	27.57%
Sr 421.552†	82516.0	89.1	ug/L	0.44	89.1	ug/L	0.44	0.49%
Ti 334.940†	249.9	0.655	ug/L	0.0118	0.655	ug/L	0.0118	1.80%
Tl 190.801†	-4.0	-6.12	ug/L	2.344	-6.12	ug/L	2.344	38.29%
V 292.402†	14.3	0.578	ug/L	0.2932	0.578	ug/L	0.2932	50.70%
Zn 206.200†	46.4	5.77	ug/L	0.445	5.77	ug/L	0.445	7.72%

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Sequence No.: 80 **Autosampler Location: 90**
Sample ID: 250737401L **Date Collected: 8/21/2007 8:54:59 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 5X **Sample Prep Vol:**

Mean Data: 250737401L

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1232020.9	104	%	0.2				0.19%
Sc Radial	201500.0	98.1	%	0.77				0.78%
Ag 328.068†	-51.2	-2.69	ug/L	0.024	-13.5	ug/L	0.12	0.89%
Al 308.215†	-62.2	-9.77	ug/L	1.827	-48.9	ug/L	9.13	18.70%
As 188.979†	-3.5	-3.03	ug/L	4.475	-15.2	ug/L	22.37	147.57%
Ba 233.527†	192.2	2.95	ug/L	0.107	14.7	ug/L	0.53	3.62%
Be 234.861†	-14.4	-0.166	ug/L	0.0446	-0.831	ug/L	0.2230	26.85%
Ca 315.887†	23053.4	2620	ug/L	35.7	13100	ug/L	178.6	1.36%
Cd 226.502†	4.1	0.808	ug/L	0.2672	4.04	ug/L	1.336	33.05%
Co 228.616†	-5.7	-0.483	ug/L	0.3365	-2.41	ug/L	1.683	69.69%
Cr 267.716†	-3.7	-0.252	ug/L	0.1801	-1.26	ug/L	0.900	71.37%
Cu 324.752†	-371.6	-1.36	ug/L	0.029	-6.82	ug/L	0.144	2.12%
Fe 259.939†	801.2	68.8	ug/L	0.21	344	ug/L	1.1	0.31%
K 766.490†	1039.9	207	ug/L	5.9	1040	ug/L	29.3	2.83%
Li 460.286†	-71.4	-0.753	ug/L	1.7083	-3.77	ug/L	8.542	226.82%
Mg 279.077†	2824.9	407	ug/L	5.3	2030	ug/L	26.6	1.31%
Mn 257.610†	1221.8	3.25	ug/L	0.022	16.3	ug/L	0.11	0.66%
Mo 202.031†	2.1	-0.380	ug/L	0.4583	-1.90	ug/L	2.291	120.66%
Na 589.592†	8169.6	705	ug/L	10.1	3530	ug/L	50.3	1.43%
Ni 231.604†	1.5	-1.10	ug/L	0.560	-5.48	ug/L	2.799	51.06%
Pb 220.353†	-2.8	-3.56	ug/L	4.056	-17.8	ug/L	20.28	114.10%
Sb 206.836†	-0.1	2.86	ug/L	4.406	14.3	ug/L	22.03	153.98%
Se 196.026†	-0.6	2.61	ug/L	4.359	13.1	ug/L	21.80	166.77%
Sn 189.927†	-4.1	-2.57	ug/L	2.667	-12.9	ug/L	13.34	103.69%
Sr 421.552†	15393.4	16.6	ug/L	0.25	83.1	ug/L	1.27	1.53%
Ti 334.940†	71.2	0.142	ug/L	0.0322	0.710	ug/L	0.1608	22.65%
Tl 190.801†	-0.6	-1.08	ug/L	2.734	-5.41	ug/L	13.670	252.47%
V 292.402†	5.3	0.063	ug/L	0.2847	0.317	ug/L	1.4235	449.53%
Zn 206.200†	13.9	-0.761	ug/L	0.7947	-3.80	ug/L	3.973	104.46%

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Sequence No.: 81 **Autosampler Location: 91**
Sample ID: 250737401A **Date Collected: 8/21/2007 8:59:26 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250737401A

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1143396.3	96.2	%	0.23				0.24%
Sc Radial	192686.6	93.8	%	0.27				0.29%
Ag 328.068†	33954.8	537	ug/L	1.8	537	ug/L	1.8	0.33%
Al 308.215†	155152.8	52200	ug/L	160.5	52200	ug/L	160.5	0.31%
As 188.979†	345.8	549	ug/L	5.4	549	ug/L	5.4	0.98%
Ba 233.527†	36533.5	593	ug/L	1.7	593	ug/L	1.7	0.29%
Be 234.861†	52867.5	541	ug/L	2.5	541	ug/L	2.5	0.46%
Ca 315.887†	561906.3	64000	ug/L	318.2	64000	ug/L	318.2	0.50%
Cd 226.502†	1973.3	565	ug/L	2.3	565	ug/L	2.3	0.41%
Co 228.616†	6427.9	536	ug/L	0.6	536	ug/L	0.6	0.12%
Cr 267.716†	9508.1	547	ug/L	1.0	547	ug/L	1.0	0.17%
Cu 324.752†	132443.9	523	ug/L	1.3	523	ug/L	1.3	0.24%
Fe 259.939†	597042.9	52800	ug/L	139.7	52800	ug/L	139.7	0.26%
K 766.490†	270048.4	51900	ug/L	113.1	51900	ug/L	113.1	0.22%
Li 460.286†	3983.1	15.5	ug/L	5.59	15.5	ug/L	5.59	36.01%
Mg 279.077†	396730.9	57600	ug/L	258.7	57600	ug/L	258.7	0.45%
Mn 257.610†	153525.8	549	ug/L	2.1	549	ug/L	2.1	0.39%
Mo 202.031†	969.4	591	ug/L	3.8	591	ug/L	3.8	0.64%
Na 589.592†	663582.3	56100	ug/L	108.2	56100	ug/L	108.2	0.19%
Ni 231.604†	2753.6	568	ug/L	1.6	568	ug/L	1.6	0.29%
Pb 220.353†	401.0	580	ug/L	6.4	580	ug/L	6.4	1.10%
Sb 206.836†	471.2	555	ug/L	1.9	555	ug/L	1.9	0.34%
Se 196.026†	154.8	539	ug/L	10.2	539	ug/L	10.2	1.89%
Sn 189.927†	-6.3	-3.58	ug/L	8.081	-3.58	ug/L	8.081	225.80%
Sr 421.552†	81537.3	87.0	ug/L	0.14	87.0	ug/L	0.14	0.16%
Ti 334.940†	1827.0	5.19	ug/L	0.038	5.19	ug/L	0.038	0.74%
Tl 190.801†	426.0	608	ug/L	9.4	608	ug/L	9.4	1.54%
V 292.402†	9853.9	542	ug/L	1.7	542	ug/L	1.7	0.32%
Zn 206.200†	3061.9	609	ug/L	2.7	609	ug/L	2.7	0.44%

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Sequence No.: 82 **Autosampler Location: 92**
Sample ID: 250737402 **Date Collected: 8/21/2007 9:03:28 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250737402

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1193499.1	100	%	0.2				0.17%
Sc Radial	199997.7	97.3	%	0.17				0.18%
Ag 328.068†	-58.6	-2.70	ug/L	0.109	-2.70	ug/L	0.109	4.03%
Al 308.215†	31.7	21.8	ug/L	1.32	21.8	ug/L	1.32	6.08%
As 188.979†	-1.5	0.065	ug/L	0.8795	0.065	ug/L	0.8795	>999.9%
Ba 233.527†	957.6	15.4	ug/L	0.09	15.4	ug/L	0.09	0.58%
Be 234.861†	-6.8	-0.154	ug/L	0.0209	-0.154	ug/L	0.0209	13.53%
Ca 315.887†	100835.2	11500	ug/L	24.3	11500	ug/L	24.3	0.21%
Cd 226.502†	10.4	1.99	ug/L	0.542	1.99	ug/L	0.542	27.19%
Co 228.616†	4.1	0.304	ug/L	0.4097	0.304	ug/L	0.4097	134.87%
Cr 267.716†	-1.9	-0.171	ug/L	0.2236	-0.171	ug/L	0.2236	131.05%
Cu 324.752†	-122.3	-0.216	ug/L	0.0731	-0.216	ug/L	0.0731	33.86%
Fe 259.939†	18697.3	1650	ug/L	8.2	1650	ug/L	8.2	0.50%
K 766.490†	5526.6	1070	ug/L	3.3	1070	ug/L	3.3	0.31%
Li 460.286†	-92.1	-10.4	ug/L	0.72	-10.4	ug/L	0.72	6.94%
Mg 279.077†	11936.1	1730	ug/L	9.1	1730	ug/L	9.1	0.53%
Mn 257.610†	13502.5	47.3	ug/L	0.06	47.3	ug/L	0.06	0.13%
Mo 202.031†	2.0	-0.266	ug/L	1.3576	-0.266	ug/L	1.3576	510.90%
Na 589.592†	43394.5	3680	ug/L	13.9	3680	ug/L	13.9	0.38%
Ni 231.604†	3.1	-0.795	ug/L	1.0039	-0.795	ug/L	1.0039	126.34%
Pb 220.353†	-1.8	-1.10	ug/L	3.135	-1.10	ug/L	3.135	284.01%
Sb 206.836†	-1.0	1.61	ug/L	2.846	1.61	ug/L	2.846	176.71%
Se 196.026†	-2.1	-2.35	ug/L	4.453	-2.35	ug/L	4.453	189.23%
Sn 189.927†	1.5	6.56	ug/L	1.281	6.56	ug/L	1.281	19.53%
Sr 421.552†	65429.5	70.6	ug/L	0.24	70.6	ug/L	0.24	0.33%
Ti 334.940†	258.5	0.680	ug/L	0.0187	0.680	ug/L	0.0187	2.75%
Tl 190.801†	-1.4	-2.48	ug/L	3.665	-2.48	ug/L	3.665	147.61%
V 292.402†	6.3	0.264	ug/L	0.1650	0.264	ug/L	0.1650	62.40%
Zn 206.200†	20.1	0.454	ug/L	0.3685	0.454	ug/L	0.3685	81.25%

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Sequence No.: 83 **Autosampler Location: 93**
Sample ID: 250737403 **Date Collected: 8/21/2007 9:07:41 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250737403

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1171866.2	98.6	%	0.85				0.86%
Sc Radial	194263.5	94.6	%	0.68				0.72%
Ag 328.068†	-49.5	-2.53	ug/L	0.165	-2.53	ug/L	0.165	6.50%
Al 308.215†	65.4	33.1	ug/L	0.36	33.1	ug/L	0.36	1.09%
As 188.979†	-0.4	1.89	ug/L	1.743	1.89	ug/L	1.743	92.23%
Ba 233.527†	867.2	14.0	ug/L	0.23	14.0	ug/L	0.23	1.68%
Be 234.861†	-4.7	-0.168	ug/L	0.0272	-0.168	ug/L	0.0272	16.16%
Ca 315.887†	85653.6	9760	ug/L	16.0	9760	ug/L	16.0	0.16%
Cd 226.502†	11.7	2.36	ug/L	0.620	2.36	ug/L	0.620	26.32%
Co 228.616†	2.0	0.095	ug/L	0.4407	0.095	ug/L	0.4407	462.10%
Cr 267.716†	5.3	0.227	ug/L	0.3048	0.227	ug/L	0.3048	134.27%
Cu 324.752†	-75.7	-0.036	ug/L	0.1591	-0.036	ug/L	0.1591	444.88%
Fe 259.939†	28482.5	2520	ug/L	25.3	2520	ug/L	25.3	1.00%
K 766.490†	5108.5	989	ug/L	7.5	989	ug/L	7.5	0.76%
Li 460.286†	-65.8	-12.7	ug/L	1.69	-12.7	ug/L	1.69	13.28%
Mg 279.077†	11894.7	1720	ug/L	13.6	1720	ug/L	13.6	0.79%
Mn 257.610†	13521.9	47.4	ug/L	0.16	47.4	ug/L	0.16	0.34%
Mo 202.031†	4.2	1.10	ug/L	2.047	1.10	ug/L	2.047	185.39%
Na 589.592†	43470.2	3690	ug/L	13.8	3690	ug/L	13.8	0.37%
Ni 231.604†	5.0	-0.439	ug/L	0.8303	-0.439	ug/L	0.8303	189.19%
Pb 220.353†	-3.9	-4.42	ug/L	4.968	-4.42	ug/L	4.968	112.32%
Sb 206.836†	0.1	2.89	ug/L	2.840	2.89	ug/L	2.840	98.24%
Se 196.026†	0.3	5.93	ug/L	7.881	5.93	ug/L	7.881	133.01%
Sn 189.927†	-3.2	-0.801	ug/L	1.7637	-0.801	ug/L	1.7637	220.32%
Sr 421.552†	57716.3	62.3	ug/L	0.20	62.3	ug/L	0.20	0.32%
Ti 334.940†	261.3	0.688	ug/L	0.0374	0.688	ug/L	0.0374	5.43%
Tl 190.801†	-0.5	-1.20	ug/L	13.195	-1.20	ug/L	13.195	>999.9%
V 292.402†	9.0	0.501	ug/L	0.0410	0.501	ug/L	0.0410	8.19%
Zn 206.200†	32.5	2.92	ug/L	1.095	2.92	ug/L	1.095	37.48%

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Sequence No.: 84 **Autosampler Location: 94**
Sample ID: 250737404 **Date Collected: 8/21/2007 9:11:53 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250737404

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1174345.9	98.8	%	0.12				0.12%
Sc Radial	193901.7	94.4	%	0.53				0.56%
Ag 328.068†	-51.2	-2.65	ug/L	0.093	-2.65	ug/L	0.093	3.50%
Al 308.215†	-43.2	-3.37	ug/L	1.525	-3.37	ug/L	1.525	45.26%
As 188.979†	-3.2	-2.66	ug/L	2.544	-2.66	ug/L	2.544	95.68%
Ba 233.527†	900.4	14.5	ug/L	0.12	14.5	ug/L	0.12	0.81%
Be 234.861†	-17.5	-0.205	ug/L	0.0210	-0.205	ug/L	0.0210	10.27%
Ca 315.887†	78330.6	8920	ug/L	13.7	8920	ug/L	13.7	0.15%
Cd 226.502†	5.4	0.838	ug/L	0.4060	0.838	ug/L	0.4060	48.47%
Co 228.616†	1.6	0.132	ug/L	0.0994	0.132	ug/L	0.0994	75.34%
Cr 267.716†	1.0	0.021	ug/L	0.3733	0.021	ug/L	0.3733	>999.9%
Cu 324.752†	-212.0	-0.643	ug/L	0.0373	-0.643	ug/L	0.0373	5.81%
Fe 259.939†	2693.5	236	ug/L	1.2	236	ug/L	1.2	0.50%
K 766.490†	4455.4	864	ug/L	0.7	864	ug/L	0.7	0.08%
Li 460.286†	-186.8	-9.92	ug/L	2.368	-9.92	ug/L	2.368	23.86%
Mg 279.077†	9897.2	1430	ug/L	4.6	1430	ug/L	4.6	0.32%
Mn 257.610†	10472.9	36.4	ug/L	0.12	36.4	ug/L	0.12	0.34%
Mo 202.031†	2.4	-0.158	ug/L	0.6106	-0.158	ug/L	0.6106	385.38%
Na 589.592†	42300.7	3590	ug/L	14.3	3590	ug/L	14.3	0.40%
Ni 231.604†	2.8	-0.829	ug/L	0.5670	-0.829	ug/L	0.5670	68.39%
Pb 220.353†	-9.1	-11.7	ug/L	7.84	-11.7	ug/L	7.84	66.76%
Sb 206.836†	-1.1	1.48	ug/L	2.240	1.48	ug/L	2.240	150.92%
Se 196.026†	-1.9	-1.95	ug/L	2.725	-1.95	ug/L	2.725	139.94%
Sn 189.927†	-4.9	-3.54	ug/L	2.229	-3.54	ug/L	2.229	62.90%
Sr 421.552†	50052.5	54.0	ug/L	0.10	54.0	ug/L	0.10	0.19%
Ti 334.940†	154.6	0.382	ug/L	0.0258	0.382	ug/L	0.0258	6.76%
Tl 190.801†	-4.2	-6.45	ug/L	2.811	-6.45	ug/L	2.811	43.61%
V 292.402†	3.3	-0.024	ug/L	0.1577	-0.024	ug/L	0.1577	657.99%
Zn 206.200†	17.6	-0.003	ug/L	0.0378	-0.003	ug/L	0.0378	>999.9%

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Sequence No.: 85 **Autosampler Location: 95**
Sample ID: 250737405 **Date Collected: 8/21/2007 9:16:05 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250737405

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1227246.5	103	%	0.3				0.25%
Sc Radial	206225.6	100	%	0.7				0.66%
Ag 328.068†	-119.5	-1.89	ug/L	0.071	-1.89	ug/L	0.071	3.75%
Al 308.215†	-14.3	6.33	ug/L	1.549	6.33	ug/L	1.549	24.49%
As 188.979†	12.5	24.2	ug/L	0.86	24.2	ug/L	0.86	3.57%
Ba 233.527†	1063.8	17.1	ug/L	0.09	17.1	ug/L	0.09	0.54%
Be 234.861†	203.5	0.061	ug/L	0.0177	0.061	ug/L	0.0177	28.97%
Ca 315.887†	132886.8	15100	ug/L	31.7	15100	ug/L	31.7	0.21%
Cd 226.502†	34.7	3.03	ug/L	1.275	3.03	ug/L	1.275	42.01%
Co 228.616†	7.3	-0.835	ug/L	0.5316	-0.835	ug/L	0.5316	63.68%
Cr 267.716†	7.7	-0.533	ug/L	0.1981	-0.533	ug/L	0.1981	37.14%
Cu 324.752†	-735.6	-1.34	ug/L	0.049	-1.34	ug/L	0.049	3.64%
Fe 259.939†	544497.8	48200	ug/L	74.0	48200	ug/L	74.0	0.15%
K 766.490†	7771.5	1500	ug/L	16.4	1500	ug/L	16.4	1.09%
Li 460.286†	2812.1	-36.2	ug/L	1.54	-36.2	ug/L	1.54	4.24%
Mg 279.077†	12322.7	1790	ug/L	3.8	1790	ug/L	3.8	0.21%
Mn 257.610†	38234.2	136	ug/L	0.3	136	ug/L	0.3	0.25%
Mo 202.031†	-2.1	0.918	ug/L	0.7417	0.918	ug/L	0.7417	80.83%
Na 589.592†	92064.2	7800	ug/L	29.8	7800	ug/L	29.8	0.38%
Ni 231.604†	8.9	-0.879	ug/L	0.6857	-0.879	ug/L	0.6857	78.02%
Pb 220.353†	-3.5	-4.76	ug/L	5.159	-4.76	ug/L	5.159	108.49%
Sb 206.836†	-0.2	1.47	ug/L	2.773	1.47	ug/L	2.773	188.50%
Se 196.026†	-3.8	-2.74	ug/L	6.504	-2.74	ug/L	6.504	237.77%
Sn 189.927†	-7.0	-6.55	ug/L	4.182	-6.55	ug/L	4.182	63.86%
Sr 421.552†	85857.3	92.7	ug/L	0.44	92.7	ug/L	0.44	0.47%
Ti 334.940†	179.0	0.452	ug/L	0.0131	0.452	ug/L	0.0131	2.90%
Tl 190.801†	0.2	-4.46	ug/L	3.744	-4.46	ug/L	3.744	83.88%
V 292.402†	-74.1	0.225	ug/L	0.1863	0.225	ug/L	0.1863	83.00%
Zn 206.200†	45.6	4.40	ug/L	1.114	4.40	ug/L	1.114	25.32%

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Sequence No.: 86 **Autosampler Location: 96**
Sample ID: 250737406 **Date Collected: 8/21/2007 9:20:18 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250737406

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1207480.7	102	%	0.3				0.32%
Sc Radial	203906.0	99.2	%	0.53				0.54%
Ag 328.068†	-50.8	-2.56	ug/L	0.142	-2.56	ug/L	0.142	5.55%
Al 308.215†	13.7	15.7	ug/L	1.65	15.7	ug/L	1.65	10.50%
As 188.979†	-1.9	-0.492	ug/L	0.6310	-0.492	ug/L	0.6310	128.15%
Ba 233.527†	996.0	16.0	ug/L	0.12	16.0	ug/L	0.12	0.72%
Be 234.861†	-5.4	-0.170	ug/L	0.0391	-0.170	ug/L	0.0391	22.97%
Ca 315.887†	79339.0	9040	ug/L	55.4	9040	ug/L	55.4	0.61%
Cd 226.502†	9.8	1.84	ug/L	0.422	1.84	ug/L	0.422	22.93%
Co 228.616†	1.1	0.034	ug/L	0.4589	0.034	ug/L	0.4589	>999.9%
Cr 267.716†	-1.4	-0.157	ug/L	0.6650	-0.157	ug/L	0.6650	422.62%
Cu 324.752†	-181.9	-0.468	ug/L	0.1155	-0.468	ug/L	0.1155	24.66%
Fe 259.939†	26730.4	2360	ug/L	10.0	2360	ug/L	10.0	0.42%
K 766.490†	5570.4	1080	ug/L	1.9	1080	ug/L	1.9	0.17%
Li 460.286†	6.4	-6.92	ug/L	0.294	-6.92	ug/L	0.294	4.26%
Mg 279.077†	12131.6	1760	ug/L	16.5	1760	ug/L	16.5	0.94%
Mn 257.610†	13179.5	46.2	ug/L	0.19	46.2	ug/L	0.19	0.41%
Mo 202.031†	3.9	0.918	ug/L	0.9276	0.918	ug/L	0.9276	101.08%
Na 589.592†	81096.0	6870	ug/L	41.2	6870	ug/L	41.2	0.60%
Ni 231.604†	0.8	-1.30	ug/L	0.523	-1.30	ug/L	0.523	40.08%
Pb 220.353†	-5.8	-7.18	ug/L	4.165	-7.18	ug/L	4.165	57.97%
Sb 206.836†	-3.9	-1.80	ug/L	2.230	-1.80	ug/L	2.230	124.15%
Se 196.026†	0.8	7.75	ug/L	3.447	7.75	ug/L	3.447	44.48%
Sn 189.927†	-4.7	-3.18	ug/L	4.247	-3.18	ug/L	4.247	133.66%
Sr 421.552†	50697.6	54.7	ug/L	0.31	54.7	ug/L	0.31	0.56%
Ti 334.940†	200.8	0.514	ug/L	0.0287	0.514	ug/L	0.0287	5.58%
Tl 190.801†	-1.2	-2.20	ug/L	4.742	-2.20	ug/L	4.742	215.87%
V 292.402†	8.9	0.480	ug/L	0.3089	0.480	ug/L	0.3089	64.34%
Zn 206.200†	111.3	18.7	ug/L	1.48	18.7	ug/L	1.48	7.92%

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Sequence No.: 87 **Autosampler Location: 97**
Sample ID: 250737407 **Date Collected: 8/21/2007 9:24:32 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250737407

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1226805.4	103	%	0.5				0.50%
Sc Radial	201486.3	98.1	%	1.30				1.32%
Ag 328.068†	-42.8	-2.52	ug/L	0.084	-2.52	ug/L	0.084	3.33%
Al 308.215†	-75.0	-14.1	ug/L	2.46	-14.1	ug/L	2.46	17.49%
As 188.979†	-1.7	-0.213	ug/L	4.0314	-0.213	ug/L	4.0314	>999.9%
Ba 233.527†	545.6	8.73	ug/L	0.007	8.73	ug/L	0.007	0.08%
Be 234.861†	-11.8	-0.143	ug/L	0.0385	-0.143	ug/L	0.0385	27.01%
Ca 315.887†	75837.7	8640	ug/L	171.1	8640	ug/L	171.1	1.98%
Cd 226.502†	5.1	0.784	ug/L	0.5158	0.784	ug/L	0.5158	65.83%
Co 228.616†	-2.7	-0.230	ug/L	0.1896	-0.230	ug/L	0.1896	82.34%
Cr 267.716†	5.0	0.257	ug/L	0.2460	0.257	ug/L	0.2460	95.68%
Cu 324.752†	-280.5	-0.920	ug/L	0.0299	-0.920	ug/L	0.0299	3.25%
Fe 259.939†	1548.4	135	ug/L	2.2	135	ug/L	2.2	1.63%
K 766.490†	4699.3	910	ug/L	11.1	910	ug/L	11.1	1.22%
Li 460.286†	-94.7	-3.04	ug/L	1.689	-3.04	ug/L	1.689	55.62%
Mg 279.077†	12319.4	1790	ug/L	17.9	1790	ug/L	17.9	1.00%
Mn 257.610†	2923.7	9.32	ug/L	0.118	9.32	ug/L	0.118	1.26%
Mo 202.031†	1.8	-0.558	ug/L	0.8921	-0.558	ug/L	0.8921	159.84%
Na 589.592†	71401.2	6050	ug/L	120.5	6050	ug/L	120.5	1.99%
Ni 231.604†	2.7	-0.836	ug/L	0.7492	-0.836	ug/L	0.7492	89.64%
Pb 220.353†	-8.3	-10.7	ug/L	2.42	-10.7	ug/L	2.42	22.56%
Sb 206.836†	-0.7	2.06	ug/L	1.409	2.06	ug/L	1.409	68.43%
Se 196.026†	0.1	4.93	ug/L	6.136	4.93	ug/L	6.136	124.49%
Sn 189.927†	-3.9	-1.99	ug/L	1.469	-1.99	ug/L	1.469	73.94%
Sr 421.552†	50129.4	54.1	ug/L	1.09	54.1	ug/L	1.09	2.01%
Ti 334.940†	113.2	0.263	ug/L	0.0290	0.263	ug/L	0.0290	11.04%
Tl 190.801†	-2.4	-3.79	ug/L	6.431	-3.79	ug/L	6.431	169.58%
V 292.402†	2.0	-0.106	ug/L	0.1752	-0.106	ug/L	0.1752	164.77%
Zn 206.200†	1.9	-3.18	ug/L	0.287	-3.18	ug/L	0.287	9.03%

Sequence No.: 88 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 8/21/2007 9:29:00 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1128966.3	95.0	%	0.22				0.23%
Sc Radial	187908.6	91.5	%	0.26				0.29%
Ag 328.068†	33883.3	535	ug/L	4.6	535	ug/L	4.6	0.87%
QC value within limits for Ag 328.068 Recovery = 107.05%								
Al 308.215†	77088.1	25900	ug/L	43.2	25900	ug/L	43.2	0.17%
QC value within limits for Al 308.215 Recovery = 103.70%								
As 188.979†	356.5	565	ug/L	4.8	565	ug/L	4.8	0.85%
QC value greater than the upper limit for As 188.979 Recovery = 113.00%								
Ba 233.527†	35648.6	579	ug/L	1.5	579	ug/L	1.5	0.26%
QC value greater than the upper limit for Ba 233.527 Recovery = 115.74%								
Be 234.861†	52623.0	539	ug/L	2.3	539	ug/L	2.3	0.42%
QC value within limits for Be 234.861 Recovery = 107.72%								
Ca 315.887†	230523.8	26300	ug/L	47.1	26300	ug/L	47.1	0.18%
QC value within limits for Ca 315.887 Recovery = 105.07%								
Cd 226.502†	2009.7	579	ug/L	0.8	579	ug/L	0.8	0.13%
QC value greater than the upper limit for Cd 226.502 Recovery = 115.78%								
Co 228.616†	6579.5	548	ug/L	2.9	548	ug/L	2.9	0.53%
QC value within limits for Co 228.616 Recovery = 109.59%								
Cr 267.716†	9626.5	553	ug/L	2.1	553	ug/L	2.1	0.37%
QC value greater than the upper limit for Cr 267.716 Recovery = 110.69%								
Cu 324.752†	129058.0	509	ug/L	2.1	509	ug/L	2.1	0.42%
QC value within limits for Cu 324.752 Recovery = 101.75%								
Fe 259.939†	470737.8	41600	ug/L	50.4	41600	ug/L	50.4	0.12%
QC value within limits for Fe 259.939 Recovery = 104.07%								
K 766.490†	129747.1	24900	ug/L	43.4	24900	ug/L	43.4	0.17%
QC value within limits for K 766.490 Recovery = 99.78%								
Li 460.286†	74649.7	4960	ug/L	18.7	4960	ug/L	18.7	0.38%
Mg 279.077†	198429.5	28800	ug/L	91.6	28800	ug/L	91.6	0.32%
QC value greater than the upper limit for Mg 279.077 Recovery = 115.32%								
Mn 257.610†	150655.0	539	ug/L	2.0	539	ug/L	2.0	0.38%
QC value within limits for Mn 257.610 Recovery = 107.82%								
Mo 202.031†	981.5	597	ug/L	0.5	597	ug/L	0.5	0.08%
QC value greater than the upper limit for Mo 202.031 Recovery = 119.43%								
Na 589.592†	303078.7	25600	ug/L	147.6	25600	ug/L	147.6	0.58%
QC value within limits for Na 589.592 Recovery = 102.54%								
Ni 231.604†	2835.9	586	ug/L	1.8	586	ug/L	1.8	0.31%
QC value greater than the upper limit for Ni 231.604 Recovery = 117.10%								
Pb 220.353†	422.3	607	ug/L	8.5	607	ug/L	8.5	1.40%
QC value greater than the upper limit for Pb 220.353 Recovery = 121.39%								
Sb 206.836†	463.3	548	ug/L	2.3	548	ug/L	2.3	0.42%
QC value within limits for Sb 206.836 Recovery = 109.68%								
Se 196.026†	158.4	550	ug/L	10.9	550	ug/L	10.9	1.97%
QC value greater than the upper limit for Se 196.026 Recovery = 110.03%								
Sn 189.927†	307.8	488	ug/L	5.0	488	ug/L	5.0	1.02%
QC value greater than the upper limit for Sn 189.927 Recovery = 122.07%								
Sr 421.552†	375566.6	406	ug/L	2.7	406	ug/L	2.7	0.67%
QC value within limits for Sr 421.552 Recovery = 101.53%								
Ti 334.940†	148710.8	427	ug/L	1.7	427	ug/L	1.7	0.41%
QC value within limits for Ti 334.940 Recovery = 106.78%								
Tl 190.801†	439.1	628	ug/L	7.1	628	ug/L	7.1	1.13%
QC value greater than the upper limit for Tl 190.801 Recovery = 125.65%								
V 292.402†	9739.6	534	ug/L	1.6	534	ug/L	1.6	0.30%
QC value within limits for V 292.402 Recovery = 106.86%								
Zn 206.200†	3160.1	630	ug/L	0.7	630	ug/L	0.7	0.12%
QC value greater than the upper limit for Zn 206.200 Recovery = 126.00%								

QC Failed. Retry.

Sequence No.: 89 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 8/21/2007 9:31:32 PM**

Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1126251.7	94.7	%	0.33				0.35%
Sc Radial	186057.3	90.6	%	0.14				0.16%
Ag 328.068†	34269.3	541	ug/L	1.0	541	ug/L	1.0	0.19%
QC value within limits for Ag 328.068 Recovery = 108.28%								
Al 308.215†	77760.7	26200	ug/L	69.8	26200	ug/L	69.8	0.27%
QC value within limits for Al 308.215 Recovery = 104.60%								
As 188.979†	358.1	567	ug/L	4.5	567	ug/L	4.5	0.80%
QC value greater than the upper limit for As 188.979 Recovery = 113.49%								
Ba 233.527†	35825.6	582	ug/L	1.1	582	ug/L	1.1	0.19%
QC value greater than the upper limit for Ba 233.527 Recovery = 116.32%								
Be 234.861†	53294.8	545	ug/L	2.6	545	ug/L	2.6	0.47%
QC value within limits for Be 234.861 Recovery = 109.10%								
Ca 315.887†	232082.5	26400	ug/L	72.9	26400	ug/L	72.9	0.28%
QC value within limits for Ca 315.887 Recovery = 105.78%								
Cd 226.502†	2029.0	584	ug/L	1.8	584	ug/L	1.8	0.32%
QC value greater than the upper limit for Cd 226.502 Recovery = 116.89%								
Co 228.616†	6491.8	541	ug/L	2.4	541	ug/L	2.4	0.45%
QC value within limits for Co 228.616 Recovery = 108.12%								
Cr 267.716†	9681.1	557	ug/L	0.8	557	ug/L	0.8	0.14%
QC value greater than the upper limit for Cr 267.716 Recovery = 111.32%								
Cu 324.752†	129545.9	511	ug/L	0.5	511	ug/L	0.5	0.09%
QC value within limits for Cu 324.752 Recovery = 102.13%								
Fe 259.939†	475174.9	42000	ug/L	85.0	42000	ug/L	85.0	0.20%
QC value within limits for Fe 259.939 Recovery = 105.05%								
K 766.490†	131126.9	25200	ug/L	48.2	25200	ug/L	48.2	0.19%
QC value within limits for K 766.490 Recovery = 100.84%								
Li 460.286†	74821.5	4970	ug/L	6.5	4970	ug/L	6.5	0.13%
Mg 279.077†	200941.7	29200	ug/L	111.8	29200	ug/L	111.8	0.38%
QC value greater than the upper limit for Mg 279.077 Recovery = 116.78%								
Mn 257.610†	151701.2	543	ug/L	1.9	543	ug/L	1.9	0.35%
QC value within limits for Mn 257.610 Recovery = 108.57%								
Mo 202.031†	979.4	596	ug/L	2.6	596	ug/L	2.6	0.43%
QC value greater than the upper limit for Mo 202.031 Recovery = 119.19%								
Na 589.592†	303755.7	25700	ug/L	63.1	25700	ug/L	63.1	0.25%
QC value within limits for Na 589.592 Recovery = 102.77%								
Ni 231.604†	2844.6	587	ug/L	3.9	587	ug/L	3.9	0.67%
QC value greater than the upper limit for Ni 231.604 Recovery = 117.46%								
Pb 220.353†	416.2	598	ug/L	3.7	598	ug/L	3.7	0.61%
QC value greater than the upper limit for Pb 220.353 Recovery = 119.67%								
Sb 206.836†	469.0	555	ug/L	8.4	555	ug/L	8.4	1.52%
QC value greater than the upper limit for Sb 206.836 Recovery = 111.03%								
Se 196.026†	158.0	549	ug/L	11.7	549	ug/L	11.7	2.14%
QC value within limits for Se 196.026 Recovery = 109.74%								
Sn 189.927†	307.6	488	ug/L	6.3	488	ug/L	6.3	1.30%
QC value greater than the upper limit for Sn 189.927 Recovery = 122.00%								
Sr 421.552†	376980.1	408	ug/L	1.5	408	ug/L	1.5	0.38%
QC value within limits for Sr 421.552 Recovery = 101.91%								
Ti 334.940†	149693.4	430	ug/L	0.7	430	ug/L	0.7	0.16%
QC value within limits for Ti 334.940 Recovery = 107.49%								
Tl 190.801†	439.0	628	ug/L	13.3	628	ug/L	13.3	2.12%
QC value greater than the upper limit for Tl 190.801 Recovery = 125.62%								
V 292.402†	9835.3	539	ug/L	1.9	539	ug/L	1.9	0.34%
QC value within limits for V 292.402 Recovery = 107.90%								
Zn 206.200†	3172.5	632	ug/L	3.5	632	ug/L	3.5	0.55%
QC value greater than the upper limit for Zn 206.200 Recovery = 126.49%								

QC Failed. Continue with analysis.

Sequence No.: 90 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 8/21/2007 9:35:25 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1222646.5	103	%	0.1				0.13%
Sc Radial	201794.0	98.2	%	0.20				0.20%
Ag 328.068†	-45.0	-2.61	ug/L	0.129	-2.61	ug/L	0.129	4.96%
QC value less than the lower limit for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-90.0	-19.1	ug/L	1.51	-19.1	ug/L	1.51	7.90%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-2.6	-1.74	ug/L	2.566	-1.74	ug/L	2.566	147.85%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	0.3	-0.189	ug/L	0.0333	-0.189	ug/L	0.0333	17.61%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-9.5	-0.113	ug/L	0.0249	-0.113	ug/L	0.0249	22.08%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	71.6	3.73	ug/L	0.897	3.73	ug/L	0.897	24.01%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	0.1	-0.250	ug/L	0.4045	-0.250	ug/L	0.4045	161.97%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-1.3	-0.119	ug/L	0.4242	-0.119	ug/L	0.4242	357.35%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-11.8	-0.722	ug/L	0.1840	-0.722	ug/L	0.1840	25.49%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-473.4	-1.80	ug/L	0.024	-1.80	ug/L	0.024	1.32%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	-1.2	-2.14	ug/L	0.267	-2.14	ug/L	0.267	12.48%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-290.3	-48.6	ug/L	2.75	-48.6	ug/L	2.75	5.67%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 460.286†	-126.9	-4.09	ug/L	2.734	-4.09	ug/L	2.734	66.89%
Mg 279.077†	15.8	-1.47	ug/L	1.098	-1.47	ug/L	1.098	74.90%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-31.3	-1.24	ug/L	0.012	-1.24	ug/L	0.012	0.94%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	4.0	0.788	ug/L	1.9044	0.788	ug/L	1.9044	241.76%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-1493.3	-111	ug/L	0.6	-111	ug/L	0.6	0.54%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	0.8	-1.23	ug/L	0.293	-1.23	ug/L	0.293	23.95%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-6.5	-9.03	ug/L	3.894	-9.03	ug/L	3.894	43.12%
QC value less than the lower limit for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-3.1	-0.586	ug/L	3.2640	-0.586	ug/L	3.2640	557.38%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-1.2	0.623	ug/L	3.6565	0.623	ug/L	3.6565	587.05%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-3.8	-2.28	ug/L	1.379	-2.28	ug/L	1.379	60.50%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	32.0	0.037	ug/L	0.0199	0.037	ug/L	0.0199	53.42%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	35.2	0.039	ug/L	0.0213	0.039	ug/L	0.0213	55.00%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	1.3	1.74	ug/L	4.507	1.74	ug/L	4.507	259.28%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	1.3	-0.147	ug/L	0.1176	-0.147	ug/L	0.1176	80.00%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-15.1	-6.58	ug/L	0.491	-6.58	ug/L	0.491	7.46%
QC value less than the lower limit for Zn 206.200 Recovery = Not calculated								

QC Failed. Retry.

Sequence No.: 91 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 8/21/2007 9:38:09 PM**

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
18965	ICP_MIN_SPK	CPI	06L181	6/4/2008	1000 ML	4/9/2007	llgates

10000 UG/L: Silver
25000 UG/L: Antimony, Arsenic, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc
250000 UG/L: Lithium
75000 UG/L: Barium

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19433	ICP_MAJ_SPK	CPI	07D122	6/21/2008	1000 ML	4/24/2007	llgates

2500000 UG/L: Aluminum, Calcium, Iron, Magnesium, Potassium, Sodium

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19579	ICP_ICSA			4/12/2008	1000 ML	6/29/2007	llgates

225000 UG/L: Iron
250000 UG/L: Aluminum, Calcium, Magnesium

COMPOSED OF:

19565: 50 ML 19566: 12.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
19580	ICP_ICSAB			10/12/2007	1000 ML	6/29/2007	llgates

100 UG/L: Arsenic, Thallium
1000 UG/L: Cadmium, Lithium, Nickel, Zinc
200 UG/L: Silver
225000 UG/L: Iron
250000 UG/L: Aluminum, Calcium, Magnesium
50 UG/L: Lead, Selenium
500 UG/L: Barium, Beryllium, Chromium, Cobalt, Copper, Manganese, Molybdenum, Strontium, Tin, Titanium, Vanadium
600 UG/L: Antimony

COMPOSED OF:

15521: 0.5 ML 15524: 0.5 ML 15667: 10 ML 17378: 0.5 ML 17380: 0.5 ML 18306: 1 ML 19565: 50 ML 19566: 12.5 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
20347	ICP_CAL5			10/31/2007	250 ML	8/15/2007	bdodge

250000 UG/L: Aluminum, Calcium, Magnesium, Potassium, Sodium
4000 UG/L: Strontium, Tin, Titanium
400000 UG/L: Iron
5000 UG/L: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
50000 UG/L: Lithium

COMPOSED OF:

16424: 12.5 ML 19565: 12.5 ML 20014: 50 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
20348	ICP_CAL4/CCV			10/31/2007	500 ML	8/15/2007	bdodge

25000 UG/L: Aluminum, Calcium, Magnesium, Potassium, Sodium
400 UG/L: Strontium, Tin, Titanium
40000 UG/L: Iron
500 UG/L: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
5000 UG/L: Lithium

COMPOSED OF:

20178: 50 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
20349	ICP_CAL2			10/31/2007	250 ML	8/15/2007	bdodge

0 UG/L: Strontium, Tin, Titanium
0.001 UG/L: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
0.005 UG/L: Lithium
0.025 UG/L: Aluminum, Calcium, Magnesium, Potassium, Sodium
0.04 UG/L: Iron

COMPOSED OF:

20018: 0.25 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
20350	ICP_CAL3			10/31/2007	250 ML	8/15/2007	bdodge

2500 UG/L: Aluminum, Calcium, Magnesium, Potassium, Sodium
40 UG/L: Strontium, Tin, Titanium
4000 UG/L: Iron
50 UG/L: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
500 UG/L: Lithium

COMPOSED OF:

20178: 2.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
20351	ICP_CAL1			10/31/2007	250 ML	8/15/2007	bdodge

0.4 UG/L: Strontium, Tin, Titanium
0.5 UG/L: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
25 UG/L: Aluminum, Calcium, Magnesium, Potassium, Sodium
40 UG/L: Iron
5 UG/L: Lithium

COMPOSED OF:

20178: 0.025 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
20352	ICP_ICV			6/4/2008	500 ML	8/15/2007	llgates

1200 UG/L: Barium
160 UG/L: Silver
400 UG/L: Antimony, Arsenic, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc
4000 UG/L: Lithium
40000 UG/L: Aluminum, Calcium, Iron, Magnesium, Potassium, Sodium

COMPOSED OF:

18965: 8 ML 19433: 8 ML

PEL Laboratories, Inc.

Customer Name:	CH2M Hill
Date and Time Received:	8/17/2007 10:25:00 AM
Date Reported:	9/4/2007
Laboratory Submission Number/SDG:	2507385
Project:	NTC Orlando 283383.10.10

Samples: The submission consisted of 4 samples with sample identification shown in the attached data tables.

Tests: The samples were analyzed for the methods listed on the attached table of contents.

Results: See the attached data tables for results.

Distribution of Report to:

CH2M Hill
Attn: Kama White
Phone: W 770-604-9182
F 770-604-9282

Respectfully Submitted,

Brian Spann
Laboratory Manager
PEL Laboratories, Inc.

Note: Submitted material will be retained for 30 days unless otherwise requested by client or consumed in analysis. PEL letters and reports are f the exclusive use of the client to whom they are addressed. Our Letters and reports apply to the sample tested and are not necessarily indicative c the qualities of apparently identical or similar materials

4420 Pendola Point Road • Tampa, Florida 33619
(813)247-2805 • FAX: (813)248-1537
Website: www.pelab.com

Outside Lab **1**
Sample Data 5

COC Documentation **145**

Addendum **150**

Outside Lab

300905 1433

156 Starlite Drive, Marietta, OH 45750 • TEL 740-373-4071 • FAX 740-373-4835 • http://www.kemron.com

Laboratory Report Number: L0708491

Please find enclosed the analytical results for the samples you submitted to KEMRON Environmental Services.

Review and compilation of your report was completed by KEMRON's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact your team member noted in the reviewed box bleow at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

Debra Elliott - Team Leader
delliott@kemron-lab.com

Kathy Albertson - Team Chemist/Data Specialist
kalbertson@kemron-lab.com

Stephanie Mossburg - Team Chemist/Data Specialist
smossburg@kemron-lab.com

Brenda Gregory - Client Services Specialist
bgregory@kemron-lab.com

Jacqueline Parsons - Team Assistant
jparsons@kemron-lab.com

Amanda Fickiesen - Client Services Specialist
afickiesen@kemron-lab.com

Annie Bock - Client Services Specialist
abock@kemron-lab.com

Katie Barnes - Team Assistant
kbarnes@kemron-lab.com

Cara Strickler - Team Assistant
cstrickler@kemron-lab.com

This report was reviewed on August 31, 2007.

Annie Bock

ANNIE BOCK - Client Services Specialist

I certify that all test results meet all of the requirements of the DoD QSM Version 3 and other applicable contract terms and conditions. Any exceptions are attached to this cover page or addressed in the method narratives presented in this report. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on a 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of KEMRON Environmental Services.

This report was certified on August 31, 2007.

David E. Vandenberg

David Vandenberg - Vice President

FL DOH NELAP ID: E8755
This report contains a total of 143 pages.

Protecting Our Environmental Future

KEMRON REPORT L0708491
PREPARED FOR PEL Laboratories
WORK ID:

1.0 Introduction 3
2.1 General Chemistry Data 5
2.1.1 Alkalinity Data 7
2.1.1.1 Summary Data 8
2.1.1.2 QC Summary Data 15
2.1.1.3 Raw Data 21
2.1.2 Total Dissolved Solids Data 27
2.1.2.1 Summary Data 28
2.1.2.2 QC Summary Data 33
2.1.2.3 Raw Data 40
2.1.3 Total Organic Carbon Data 43
2.1.3.1 Summary Data 44
2.1.3.2 QC Summary Data 53
2.1.3.3 Raw Data 70
3.0 Attachments 133

1.0 Introduction

KEMRON ENVIRONMENTAL SERVICES
REPORT NARRATIVE

KEMRON Login No.: L0708491

CHAIN OF CUSTODY: The chain of custody number was N/A.

SHIPMENT CONDITIONS: The chain of custody forms were received sealed in a cooler. The cooler temperature was 0 degrees C.

SAMPLE MANAGEMENT: All samples received were intact. TOC samples were preserved with HCL, reporting limits will be elevated due to dilutions. We would prefer TOC samples be preserved with H2SO4 to avoid these dilutions.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Approved: 22-AUG-07
Annie Bock

2.1 General Chemistry Data

KEMRON ENVIRONMENTAL SERVICES
GENERAL CHEMISTRY

KEMRON Login No.: L0708491

METHOD

Analysis: See report for method reference.

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Matrix Spikes: The MS/MSD recoveries exceeded the advisory limits for TOC due to the spike being diluted out.

SAMPLES

Total Organic Carbon

The samples were received preserved with hydrochloric acid. Chloride is an interference with this TOC method and instrumentation. The samples were diluted ten fold to reduce the chloride interference. The reporting limits are elevated accordingly.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: DIH

Approved: 21-AUG-07
Dianna Hesson

2.1.1 Alkalinity Data

2.1.1.1 Summary Data

LABORATORY REPORT

L0708491

08/27/07 08:27

Submitted By

KEMRON Environmental Services
156 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: PEL Laboratories
4420 Pendola Point Road

Tampa, FL 33619
Attention: Darcy Weisman

Account Number: 2921
Work ID: CH2M/NTC ORLANDO OU-2

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
TO05MW40A/2507372-01	L0708491-01	310.2	1	17-AUG-07
TO05MW40B/2507372-04	L0708491-04	310.2	1	17-AUG-07
TO05FD02/2507372-05	L0708491-05	310.2	1	17-AUG-07
TO05IW2A/2507372-06	L0708491-06	310.2	1	17-AUG-07
TO05IW2B/2507372-07	L0708491-07	310.2	1	17-AUG-07

KEMRON ENVIRONMENTAL SERVICES

Report Number: **L0708491**
Report Date : **August 27, 2007**

Sample Number: **L0708491-01**
Client ID: **TO05MW40A/2507372-01**
Matrix: **Water**
Workgroup Number: **WG248273**
Collect Date: **08/15/2007 13:40**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **310.2**
Analytical Method: **310.2**
Analyst: **DIH**
Dilution: **1**
Units: **mg/L**

Instrument: **SMARTCHEM**
Prep Date: **08/21/2007 11:29**
Cal Date: **08/21/2007 11:26**
Run Date: **08/21/2007 11:29**
File ID: **SC070821001.014**

Analyte	CAS. Number	Result	Qual	RL	MDL
Alkalinity, Total		**14.2**		**10.0**	**5.00**

Report Number: **L0708491**
Report Date : **August 27, 2007**

Sample Number: **L0708491-04**
Client ID: **TO05MW40B/2507372-04**
Matrix: **Water**
Workgroup Number: **WG248273**
Collect Date: **08/15/2007 14:15**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **310.2**
Analytical Method: **310.2**
Analyst: **DIH**
Dilution: **1**
Units: **mg/L**

Instrument: **SMARTCHEM**
Prep Date: **08/21/2007 11:30**
Cal Date: **08/21/2007 11:26**
Run Date: **08/21/2007 11:30**
File ID: **SC070821001.015**

Analyte	CAS. Number	Result	Qual	RL	MDL
Alkalinity, Total		**24.9**		**10.0**	**5.00**

Report Number: **L0708491**
Report Date : **August 27, 2007**

Sample Number: **L0708491-05**
Client ID: **TO05FD02/2507372-05**
Matrix: **Water**
Workgroup Number: **WG248273**
Collect Date: **08/15/2007 00:01**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **310.2**
Analytical Method: **310.2**
Analyst: **DIH**
Dilution: **1**
Units: **mg/L**

Instrument: **SMARTCHEM**
Prep Date: **08/21/2007 11:31**
Cal Date: **08/21/2007 11:26**
Run Date: **08/21/2007 11:31**
File ID: **SC070821001.016**

Analyte	CAS. Number	Result	Qual	RL	MDL
Alkalinity, Total		**25.5**		**10.0**	**5.00**

Report Number: **L0708491**
Report Date : **August 27, 2007**

Sample Number: **L0708491-06**
Client ID: **TO05IW2A/2507372-06**
Matrix: **Water**
Workgroup Number: **WG248273**
Collect Date: **08/15/2007 16:32**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **310.2**
Analytical Method: **310.2**
Analyst: **DIH**
Dilution: **1**
Units: **mg/L**

Instrument: **SMARTCHEM**
Prep Date: **08/21/2007 11:31**
Cal Date: **08/21/2007 11:26**
Run Date: **08/21/2007 11:31**
File ID: **SC070821001.017**

Analyte	CAS. Number	Result	Qual	RL	MDL
Alkalinity, Total		**269**		**10.0**	**5.00**

Report Number: **L0708491**
Report Date : **August 27, 2007**

Sample Number: **L0708491-07**
Client ID: **TO05IW2B/2507372-07**
Matrix: **Water**
Workgroup Number: **WG248273**
Collect Date: **08/15/2007 16:30**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **310.2**
Analytical Method: **310.2**
Analyst: **DIH**
Dilution: **1**
Units: **mg/L**

Instrument: **SMARTCHEM**
Prep Date: **08/21/2007 11:32**
Cal Date: **08/21/2007 11:26**
Run Date: **08/21/2007 11:32**
File ID: **SC070821001.018**

Analyte	CAS. Number	Result	Qual	RL	MDL
Alkalinity, Total		**266**		**10.0**	**5.00**

2.1.1.2 QC Summary Data

Example Alkalinity (Colormetric) Calculations

(absorbance - intercept)/(slope * dilution) = mg/L

where:

absorbance = reading from the spectrophotometer
intercept = calculated from calibration standard absorbencies
slope = calculated from calibration standard absorbencies
dilution = dilution of the distillate in decimal form (ex. 1/5 dilution = 0.2)

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method: 310.2 AAB#: WG248273

Login Number: L0708491

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
TO05MW40A/2507372-01	08/15/07	08/17/07	08/21/07	14	5.91	08/21/07	14	5.91	
TO05MW40B/2507372-04	08/15/07	08/17/07	08/21/07	14	5.89	08/21/07	14	5.89	
TO05FD02/2507372-05	08/15/07	08/17/07	08/21/07	14	6.48	08/21/07	14	6.48	
TO05IW2A/2507372-06	08/15/07	08/17/07	08/21/07	14	5.79	08/21/07	14	5.79	
TO05IW2B/2507372-07	08/15/07	08/17/07	08/21/07	14	5.79	08/21/07	14	5.79	

* EXT = SEE PROJECT QAPP REQUIREMENTS
*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON FORMS - Modified 11/20/2006
Version 1.5 PDF File ID: 855971
Report generated 08/22/2007 13:20

KEMRON Environmental Services

METHOD BLANK SUMMARY

Login Number: L0708491
Blank File ID: SC070821001.010
Prep Date: 08/21/07 11:27
Analyzed Date: 08/21/07 11:27
Analyst: DIH

Work Group: WG248273
Blank Sample ID: WG248273-01
Instrument ID: SMARTCHEM
Method: 310.2

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG248273-02	SC070821001.011	08/21/07 11:27	01
LCS2	WG248273-03	SC070821001.012	08/21/07 11:28	01
TO05MW40A/2507372-01	L0708491-01	SC070821001.014	08/21/07 11:29	01
TO05MW40B/2507372-04	L0708491-04	SC070821001.015	08/21/07 11:30	01
TO05FD02/2507372-05	L0708491-05	SC070821001.016	08/21/07 11:31	01
TO05IW2A/2507372-06	L0708491-06	SC070821001.017	08/21/07 11:31	01
TO05IW2B/2507372-07	L0708491-07	SC070821001.018	08/21/07 11:32	01
DUP	WG248273-05	SC070821001.033	08/21/07 11:41	01

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0708491 Prep Date: 08/21/07 11:27 Sample ID: WG248273-01
Instrument ID: SMARTCHEM Run Date: 08/21/07 11:27 Prep Method: 310.2
File ID: SC070821001.010 Analyst: DIH Method: 310.2
Workgroup (AAB#): WG248273 Matrix: Water Units: mg/L
Contract #: Cal ID: SMARTC-21-AUG-07

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, Total	5.00	10.0	5.00	1	U

MDL Method Detection Limit
RL Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* Analyte concentration > 1/2 RL

KEMRON FORMS - Modified 12/07/2006
Version 1.5 PDF File ID: 855973
Report generated 08/22/2007 13:20

KEMRON Environmental Services

LABORATORY CONTROL SAMPLE (LCS)

Login Number: L0708491 Analyst: DIH Prep Method: 310.2
Instrument ID: SMARTCHEM Matrix: Water Method: 310.2
Workgroup (AAB#): WG248273 Units: mg/L
Sample ID: WG248273-02 LCS File ID: SC070821001.011 Run Date: 08/21/2007 11:27
Sample ID: WG248273-03 LCS2 File ID: SC070821001.012 Run Date: 08/21/2007 11:28

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Alkalinity, Total	200	186	93.0	200	181	90.7	2.42	85 - 115	25	

KEMRON FORMS - Modified 02/08/2007
Version 1.5 PDF File ID: 855974
Report generated 08/22/2007 13:20

2.1.1.3 Raw Data

Kemron ENVIRONMENTAL SERVICES

WORKGROUP: WG248273

SMARTCHEM RUN LOG

Daily Check

- [x] Lamp On
- [x] Probe Rinse Full
- [x] DI Water > ½ Full
- [x] Wash Solution > ½ Full
- [ ] NO3 Reagent bottle connected / purged
- [ ] NO3 pH adj to pH 5-9
- [x] WBL Run
- [x] Reagents Full
- [x] Dilution H_2O Full
- [x] Waste Container Check

1) **Workgroup** _____
   Plan # 20070821001
2) **Workgroup** _____
   Plan # _____
3) **Workgroup** _____
   Plan # _____

	Analyte	1	2	3
		ALK		
User Prepared Curve				
SC Prepared Curve				
Position				
1-1	ICV250			
1-2	BLK			
1-3	LCS200			
1-4	LCSDUP			
1-5	08-3778-477-01			
1-6	08-491-01			
1-7	04			
1-8	05			
1-9	06			
1-10	07			
1-11	08-492-02	1/4		color
1-12	03	↓		↓
1-13	05			
1-14	06			
1-15	08			
1-16	09			
1-17	08-497-01			
1-18	02			
1-19	03			
1-20	04			
1-21	DUP ↓			
1-22				
2-1				
2-2				
2-3				

Position	Analyte	1	2	3
2-4				
2-5				
2-6				
2-7				
2-8				
2-9				
2-10				
2-11				
2-12				
2-13				
2-14				
2-15				
2-16				
2-17				
2-18				
2-19				
2-20				
2-21				
2-22				
2-23				
2-24				
2-25				
2-26				
3-1				
3-2				

NOTES:
* Run NO2 std on NO3 runs
* LCS/LCS Dup all parameters
* MS/MSD (NO3, TKN, NH3)

DCN#70653

Kemron
ENVIRONMENTAL SERVICES

WORKGROUP: WG248273

SMARTCHEM RUN LOG

Analyte		1	2	3
Position				
3-3				
3-4				
3-5				
3-6				
3-7				
3-8				
3-9				
3-10				
3-11				
3-12				
3-13				
3-14				
3-15				

Analyte		1	2	3
Position				
3-16				
3-17				
3-18				
3-19				
3-20				
3-21				
3-22				
3-23				
3-24				
3-25				
3-26				
3-27				
3-28				

☐ Chloride EPA 325.2/SM 4500-Cl⁻ E
☐ Sulfate EPA 375.4
☑ Alkalinity EPA 310.2
☐ Nitrate-Nitrite EPA 353.2/SM 4500-NO3 F

☐ Ammonia EPA 350.1/SM 4500-NH3 B
☐ TKN EPA 351.2
☐ Phos EPA 365.4

Analyte	AlK		
SOP & Revision	K3102		
Curve Stock (SC made)	std 20568		
Curve ID (user made)			
ICV	std 21046		
CCV	std 21352		
LCS	std 21047		
MS	Dilution N/A		

Comments:

Analyst: Deanna Hosa Date: 8/21/07

DCN#70653

KEMRON ENVIRONMENTAL

SMARTCHEM REPORT

UNITS: MG/L

Method : WALK - EPA 310.2 Alkalinity

Smp#/[Dil Fact]	Sample ID	Conc	OD	%Recovery/RPD	Flag	Analysis Time
DIL-1	RBL	0.00	0.5388	0.00		11:20:05 AM
DIL-1	RBL	0.00	0.5390	0.00		11:20:23 AM
DIL-1	RBL	0.00	0.5317	0.00		11:21:35 AM
DIL-1	Std-1	0.00	-0.0053	0.00		11:21:53 AM
SR5-1	Std-2	10.00	-0.0155	0.00		11:22:47 AM
SR5-2	Std-3	20.00	-0.0217	0.00		11:23:05 AM
SR5-3	Std-4	50.00	-0.0712	0.00		11:23:59 AM
SR5-4	Std-5	100.00	-0.1278	0.00		11:24:17 AM
SR5-5	Std-6	200.00	-0.2713	0.00		11:25:11 AM
SR5-6	Std-7	250.00	-0.3353	0.00		11:25:29 AM
SR5-7	Std-8	300.00	-0.3791	0.00		11:26:24 AM
1	ICV 250	236.60	-0.3111	0.00		11:26:41 AM
2	WG248273-01 BLANK	-2.57	0.0047	0.00	INV,><,LL	11:27:35 AM
3	WG248273-02 LCS	185.94	-0.2485	0.00		11:27:53 AM
4	WG248273-03 LCSDUP	181.49	-0.2429	0.00		11:28:47 AM
5	L0708477-01	58.95	-0.0819	0.00		11:29:05 AM
6	L0708491-01	14.24	-0.0194	0.00		11:29:59 AM
7	L0708491-04	24.90	-0.0345	0.00		11:30:17 AM
8	L0708491-05	25.53	-0.0354	0.00		11:31:11 AM
9	L0708491-06	268.98	-0.3501	0.00		11:31:29 AM
10	L0708491-07	266.21	-0.3468	0.00		11:32:24 AM
ST-2	CCV1 (200 mg/L)	196.01	-0.2611	98.01		11:32:41 AM
ST-3	CCB (0 mg/L)	-2.64	0.0048	0.00	INV,><,LL	11:33:36 AM
11	L0708492-02 (4)	208.57	-0.2767	0.00		11:33:54 AM
12	L0708492-03 (4)	92.43	-0.1273	0.00		11:34:48 AM
13	L0708492-05 (4)	152.47	-0.2060	0.00		11:35:06 AM
14	L0708492-06 (4)	101.34	-0.1392	0.00		11:36:00 AM
15	L0708492-08 (4)	185.71	-0.2482	0.00		11:36:18 AM
16	L0708492-09 (4)	103.07	-0.1415	0.00		11:37:12 AM
17	L0708497-01	43.03	-0.0599	0.00		11:37:30 AM
18	L0708497-02	90.11	-0.1242	0.00		11:38:24 AM
19	L0708497-03	33.29	-0.0463	0.00		11:38:42 AM

Report Date :08/21/2007 **Run Date :8/21/2007** **Operator : WESTCO** **Plan # :20070821001**

Plan Description : ALK-A-DIH/8/21/2007

KEMRON ENVIRONMENTAL

SMARTCHEM REPORT

UNITS: MG/L

Method : WALK - EPA 310.2 Alkalinity

Smp#/[Dil Fact]	Sample ID	Conc	OD	%Recovery/RPD	Flag	Analysis Time
20	L0708497-04	14.38	-0.0196	0.00		11:39:36 AM
ST-2	CCV1 (200 mg/L)	205.02	-0.2723	102.51		11:39:54 AM
ST-3	CCB (0 mg/L)	0.06	0.0009	0.00	INV,><	11:40:48 AM
21	WG248273-05	13.75	-0.0187	0.00		11:41:06 AM
22	ID 22	-0.98	0.0024	0.00	INV,><,LL	11:42:00 AM
ST-2	CCV1 (200 mg/L)	201.71	-0.2682	100.86		11:42:18 AM
ST-3	CCB (0 mg/L)	-0.84	0.0022	0.00	INV,><,LL	11:43:12 AM
23	Add-L0708512-02	16.00	-0.0219	0.00		11:43:30 AM
24	Add-L0708512-03	15.72	-0.0215	0.00		11:44:24 AM
ST-2	Add-CCV1 (200 mg/L)	201.71	-0.2682	100.86		11:44:42 AM
ST-3	Add-CCB (0 mg/L)	-2.50	0.0046	0.00	INV,><,LL	11:45:36 AM

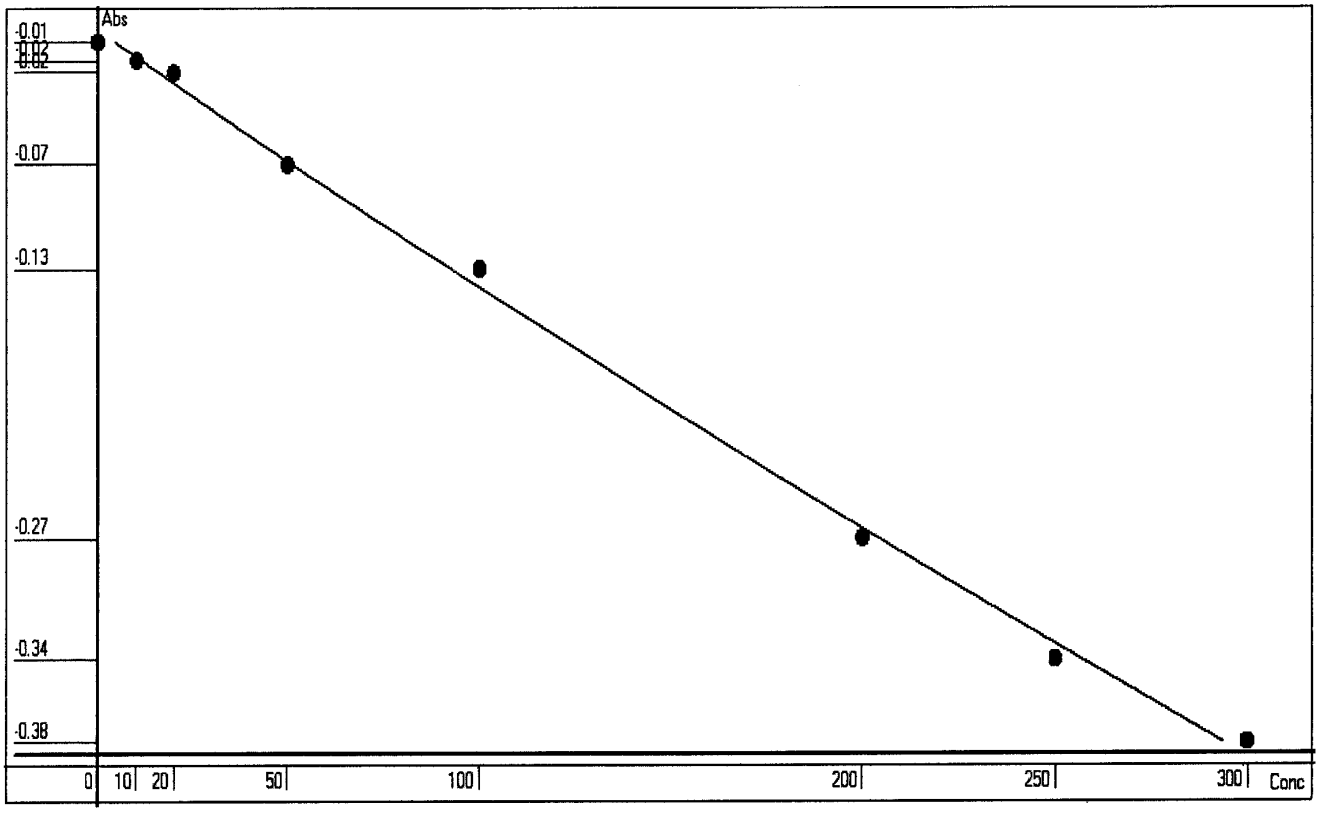
Report Date :08/21/2007 **Run Date :8/21/2007** **Operator : WESTCO** **Plan # :20070821001**

Plan Description : ALK-A-DIH/8/21/2007

Calibrant Report - WALK -

Calib Lot #:010104 Exp Date:1/1/2010 User:KEMRON

Plan # : 20070821001 Description : [ALK-A-DIH/8/21/2007]



Point	OD	Conc	Recalc Conc	% Error
1	-0.0053	0	4.3758	437.58
2	-0.0155	10	11.5038	15.04
3	-0.0217	20	15.8573	-20.71
4	-0.0712	50	51.1805	2.36
5	-0.1278	100	92.8012	-7.20
6	-0.2713	200	204.2091	2.10
7	-0.3353	250	256.6183	2.65
8	-0.3791	300	293.4536	-2.18

Conc= +204.9696*Abso^2 -694.5585*Abso +0.6889 R^2=0.9980

RBL
0.5389
0

Report Date 8/21/2007 Run Date 8/21/2007

2.1.2 Total Dissolved Solids Data

2.1.2.1 Summary Data

LABORATORY REPORT

L0708491

08/27/07 08:27

Submitted By

KEMRON Environmental Services
156 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: PEL Laboratories
4420 Pendola Point Road

Tampa, FL 33619
Attention: Darcy Weisman

Account Number: 2921
Work ID: CH2M/NTC ORLANDO OU-2

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
TO05MW40A/2507372-01	L0708491-01	160.1	1	17-AUG-07
TO05MW40B/2507372-04	L0708491-04	160.1	1	17-AUG-07
TO05FD02/2507372-05	L0708491-05	160.1	1	17-AUG-07

KEMRON ENVIRONMENTAL SERVICES

Report Number: **L0708491**
Report Date : **August 27, 2007**

Sample Number: **L0708491-01**
Client ID: **TO05MW40A/2507372-01**
Matrix: **Water**
Workgroup Number: **WG248206**
Collect Date: **08/15/2007 13:40**

PrePrep Method: **NONE**
Prep Method: **160.1**
Analytical Method: **160.1**
Analyst: **TMM**
Dilution: **1**
Units: **mg/L**

Instrument: **OVEN**
Prep Date: **08/20/2007 14:50**
Cal Date:
Run Date: **08/20/2007 14:50**
File ID: **EN.0708201450-05**

Analyte	CAS. Number	Result	Qual	RL	MDL
Total Dissolved Solids		**86.0**		**20.0**	**10.0**

Report Number: **L0708491**
Report Date : **August 27, 2007**

Sample Number: **L0708491-04**
Client ID: **TO05MW40B/2507372-04**
Matrix: **Water**
Workgroup Number: **WG248206**
Collect Date: **08/15/2007 14:15**

PrePrep Method: **NONE**
Prep Method: **160.1**
Analytical Method: **160.1**
Analyst: **TMM**
Dilution: **1**
Units: **mg/L**

Instrument: **OVEN**
Prep Date: **08/20/2007 14:50**
Cal Date:
Run Date: **08/20/2007 14:50**
File ID: **EN.0708201450-06**

Analyte	CAS. Number	Result	Qual	RL	MDL
Total Dissolved Solids		**116**		**20.0**	**10.0**

Report Number: **L0708491**
Report Date : **August 27, 2007**

Sample Number: **L0708491-05**
Client ID: **TO05FD02/2507372-05**
Matrix: **Water**
Workgroup Number: **WG248206**
Collect Date: **08/15/2007 00:01**

PrePrep Method: **NONE**
Prep Method: **160.1**
Analytical Method: **160.1**
Analyst: **TMM**
Dilution: **1**
Units: **mg/L**

Instrument: **OVEN**
Prep Date: **08/20/2007 14:50**
Cal Date:
Run Date: **08/20/2007 14:50**
File ID: **EN.0708201450-04**

Analyte	CAS. Number	Result	Qual	RL	MDL
Total Dissolved Solids		**90.0**		**20.0**	**10.0**

2.1.2.2 QC Summary Data

Example Total Dissolved Solids Calculations

$$[(WT2 - WT1) * 1000000]/volume = mg/L$$

where:

WT1 = weight (grams) of empty container.
WT2 = weight (grams) of dried sample and container.
1000000 = factor to get to mg/L.
volume = mL of sample used.

KEMRON Environmental Services
Data Checklist

Date: 20-AUG-2007
Analyst: TMM
Analyst: HJR
Method: TDS
Instrument: OVEN
Curve Workgroup: NA
Runlog ID:
Analytical Workgroups: WG248206

Calibration/Linearity	8/20/07
Second Source Check	
ICV/CCV (std)	
ICB/CCB	
Blank	X
LCS/LCS Dup	X
MS/MSD	X
Duplicate	X
Upload Results	X
Client Forms	X
QC Violation Sheet	
Case Narratives	X
Signed Raw Data	X
STD/LCS on benchsheet	X
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	HJR
Secondary Reviewer	DIH
Comments	

Primary Reviewer:
24-AUG-2007

Secondary Reviewer:
30-AUG-2007

Generated: AUG-30-2007 15:00:33

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method: 160.1 AAB#: WG248206
Login Number: L0708491

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
TO05MW40B/2507372-04	08/15/07	08/17/07	08/20/07	7	5.02	08/20/07	7	5.02	
TO05MW40A/2507372-01	08/15/07	08/17/07	08/20/07	7	5.05	08/20/07	7	5.05	
TO05FD02/2507372-05	08/15/07	08/17/07	08/20/07	7	5.62	08/20/07	7	5.62	

* EXT = SEE PROJECT QAPP REQUIREMENTS
*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON FORMS - Modified 11/20/2006
Version 1.5 PDF File ID: 858693
Report generated 08/30/2007 09:10

KEMRON Environmental Services

METHOD BLANK SUMMARY

Login Number: L0708491
Blank File ID: EN.0708201450-01
Prep Date: 08/20/07 14:50
Analyzed Date: 08/20/07 14:50
Analyst: TMM

Work Group: WG248206
Blank Sample ID: WG248206-01
Instrument ID: OVEN
Method: 160.1

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG248206-02	EN.0708201450-02	08/20/07 14:50	
LCS2	WG248206-03	EN.0708201450-03	08/20/07 14:50	
TO05FD02/2507372-05	L0708491-05	EN.0708201450-04	08/20/07 14:50	
TO05MW40A/2507372-01	L0708491-01	EN.0708201450-05	08/20/07 14:50	
TO05MW40B/2507372-04	L0708491-04	EN.0708201450-06	08/20/07 14:50	
DUP	WG248206-05	EN.0708201450-11	08/20/07 14:50	

KEMRON FORMS - Modified 01/31/2007
Version 1.5 PDF File ID: 858694
Report generated 08/30/2007 09:10

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0708491 Prep Date: 08/20/07 14:50 Sample ID: WG248206-01
Instrument ID: OVEN Run Date: 08/20/07 14:50 Prep Method: 160.1
File ID: EN.0708201450-01 Analyst: TMM Method: 160.1
Workgroup (AAB#): WG248206 Matrix: Water Units: mg/L
Contract #: Cal ID: OVEN -

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Total Dissolved Solids	5.00	10.0	5.00	1	U

MDL Method Detection Limit
RL Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* Analyte concentration > 1/2 RL

KEMRON FORMS - Modified 12/07/2006
Version 1.5 PDF File ID: 858695
Report generated 08/30/2007 09:10

KEMRON Environmental Services

LABORATORY CONTROL SAMPLE (LCS)

Login Number: L0708491 Analyst: TMM Prep Method: 160.1
Instrument ID: OVEN Matrix: Water Method: 160.1
Workgroup (AAB#): WG248206 Units: mg/L
Sample ID: WG248206-02 LCS File ID: EN.0708201450-02 Run Date: 08/20/2007 14:50
Sample ID: WG248206-03 LCS2 File ID: EN.0708201450-03 Run Date: 08/20/2007 14:50

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Total Dissolved Solids	500	502	100	500	520	104	3.52	80 - 120	25	

KEMRON FORMS - Modified 02/08/2007
Version 1.5 PDF File ID: 858696
Report generated 08/30/2007 09:10

2.1.2.3 Raw Data

WORKGROUP: WG248206

KEMRON ENVIRONMENTAL SERVICES

TOTAL DISSOLVED SOLIDS

SOP K1601 Revision #: 10
☑ EPA 160.1/ SM2540C
☐ Other: _____
LCS: Std 19758
Daily Dilution: 5(5000)/50 = 500

Workgroup #: _____
Balance: AND GR-202 / Other
Matrix Spike: Std 19758
Daily Dilution: 5(5000)/50 = 500

SAMPLE	#	VOLUME (mL)	INITIAL WEIGHT WT1 (g)	DRY WEIGHT WT2A (g)	DRY WEIGHT WT2B (g)	DRY WEIGHT WT2C (g)
BLANK	W9	100	75.8346	75.8350	75.8349	
LCS: 500 mg/L	P5	50	75.5323	75.5575	75.5574	
LCSDUP: 500 mg/L	B7		64.5854	64.6114	64.6114	
08-491-05	5		51.5423	51.5470	51.5468	
01	P9		58.8549	58.8591	58.8592	
04	20		53.9190	53.9249	53.9248	
08-477-01	P7	100	75.5760	75.6167	75.6166	
08-482-01R	P3	50	75.2624	75.3672	75.3671	
03ms	K4		82.1536	82.2694	82.2693	
05msD	K1		73.9863	74.1020	74.1019	
DUP: 08-477-01	W6	100	75.6610	75.7013	75.7011	

ANALYST: Tammy Morris

DATE/TIME: (on) 8/20/07 @ 1450
DATE/TIME: (off) 8/21/07 1305
DATE/TIME: (off) 8/21/07 1435
DATE/TIME: (off)

DCN#70635

Donna Hesson
Approved: August 30, 2007

KEMRON ENVIRONMENTAL SERVICES
GRAVIMETRIC REPORT

Workgroup (AAB#): WG248206
Product: 160.1
Analyte: TOTAL DISSOLVED SOLIDS

Analyst: TMM
Run Date: 08/20/2007 14:50

SAMPLE NUMBER	INITIAL VOL	INITIAL WT	FINAL WT	Anal. Conc	Rep. Conc.	Units
WG248206-01	100	75.8346	75.8349	3.000	3.000	mg/L
WG248206-02	50	75.5323	75.5574	502.0	502.0	mg/L
WG248206-03	50	64.5854	64.6114	520.0	520.0	mg/L
L0708491-05	50	51.5423	51.5468	90.00	90.00	mg/L
L0708491-01	50	58.8549	58.8592	86.00	86.00	mg/L
L0708491-04	50	53.919	53.9248	116.0	116.0	mg/L
L0708477-01	100	75.576	75.6166	406.0	406.0	mg/L
WG248206-04	100	75.576	75.6166	406.0	406.0	mg/L
L0708482-01	50	75.2624	75.3671	2094	2094	mg/L
WG248206-06	50	75.2624	75.3671	2094	2094	mg/L
L0708482-03	50	82.1536	82.2693	2314	2314	mg/L
WG248206-07	50	82.1536	82.2693	2314	2314	mg/L
L0708482-05	50	73.9863	74.1019	2312	2312	mg/L
WG248206-08	50	73.9863	74.1019	2312	2312	mg/L
WG248206-05	100	75.661	75.7011	401.0	401.0	mg/L

KEMRON FORMS - Modified 02/26/2007
Version 1.3
Report generated 08/24/2007 10:17

Approved: August 30, 2007

2.1.3 Total Organic Carbon Data

2.1.3.1 Summary Data

LABORATORY REPORT

L0708491

08/27/07 08:27

Submitted By

KEMRON Environmental Services
156 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: PEL Laboratories
4420 Pendola Point Road

Tampa, FL 33619
Attention: Darcy Weisman

Account Number: 2921
Work ID: CH2M/NTC ORLANDO OU-2

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
TO05MW40A/2507372-01	L0708491-01	415.1	10	17-AUG-07
TO05MW40AMS/2507372-02	L0708491-02	415.1	10	17-AUG-07
TO05MW40AMSD/2507372-03	L0708491-03	415.1	10	17-AUG-07
TO05MW40B/2507372-04	L0708491-04	415.1	10	17-AUG-07
TO05FD02/2507372-05	L0708491-05	415.1	10	17-AUG-07
TO05IW2A/2507372-06	L0708491-06	415.1	50	17-AUG-07
TO05IW2B/2507372-07	L0708491-07	415.1	50	17-AUG-07

Report Number: **L0708491**
Report Date : **August 27, 2007**

Sample Number: **L0708491-01**
Client ID: **TO05MW40A/2507372-01**
Matrix: **Water**
Workgroup Number: **WG248155**
Collect Date: **08/15/2007 13:40**
Sample Tag: **DL01**

PrePrep Method: **NONE**
Prep Method: **415.1**
Analytical Method: **415.1**
Analyst: **DIH**
Dilution: **10**
Units: **mg/L**

Instrument: **TOC-VWP**
Prep Date: **08/20/2007 19:50**
Cal Date: **02/26/2007 11:40**
Run Date: **08/20/2007 19:50**
File ID: **TC08-20-2007.30**

Analyte	CAS. Number	Result	Qual	RL	MDL
Total Organic Carbon			U	10.0	5.00

U Undetected; the analyte was analyzed for, but not detected.

Report Number: **L0708491**
Report Date : **August 27, 2007**

Sample Number: **L0708491-02**
Client ID: **TO05MW40AMS/2507372-02**
Matrix: **Water**
Workgroup Number: **WG248155**
Collect Date: **08/15/2007 13:40**
Sample Tag: **DL01**

PrePrep Method: **NONE**
Prep Method: **415.1**
Analytical Method: **415.1**
Analyst: **DIH**
Dilution: **10**
Units: **mg/L**

Instrument: **TOC-VWP**
Prep Date: **08/20/2007 20:19**
Cal Date: **02/26/2007 11:40**
Run Date: **08/20/2007 20:19**
File ID: **TC08-20-2007.32**

Analyte	CAS. Number	Result	Qual	RL	MDL
Total Organic Carbon		21.7		10.0	5.00

Report Number: **L0708491**
Report Date : **August 27, 2007**

Sample Number: **L0708491-03**
Client ID: **TO05MW40AMSD/2507372-03**
Matrix: **Water**
Workgroup Number: **WG248155**
Collect Date: **08/15/2007 13:40**
Sample Tag: **DL01**

PrePrep Method: **NONE**
Prep Method: **415.1**
Analytical Method: **415.1**
Analyst: **DIH**
Dilution: **10**
Units: **mg/L**

Instrument: **TOC-VWP**
Prep Date: **08/20/2007 20:33**
Cal Date: **02/26/2007 11:40**
Run Date: **08/20/2007 20:33**
File ID: **TC08-20-2007.33**

Analyte	CAS. Number	Result	Qual	RL	MDL
Total Organic Carbon		23.6		10.0	5.00

Report Number: **L0708491**
Report Date : **August 27, 2007**

Sample Number: **L0708491-04**
Client ID: **TO05MW40B/2507372-04**
Matrix: **Water**
Workgroup Number: **WG248156**
Collect Date: **08/15/2007 14:15**
Sample Tag: **DL01**

PrePrep Method: **NONE**
Prep Method: **415.1**
Analytical Method: **415.1**
Analyst: **DIH**
Dilution: **10**
Units: **mg/L**

Instrument: **TOC-VWP**
Prep Date: **08/20/2007 21:27**
Cal Date: **02/26/2007 11:40**
Run Date: **08/20/2007 21:27**
File ID: **TC08-20-2007.37**

Analyte	CAS. Number	Result	Qual	RL	MDL
Total Organic Carbon			U	10.0	5.00

U Undetected; the analyte was analyzed for, but not detected.

Report Number: **L0708491**
Report Date : **August 27, 2007**

Sample Number: **L0708491-05**
Client ID: **TO05FD02/2507372-05**
Matrix: **Water**
Workgroup Number: **WG248156**
Collect Date: **08/15/2007 00:01**
Sample Tag: **DL01**

PrePrep Method: **NONE**
Prep Method: **415.1**
Analytical Method: **415.1**
Analyst: **DIH**
Dilution: **10**
Units: **mg/L**

Instrument: **TOC-VWP**
Prep Date: **08/20/2007 21:41**
Cal Date: **02/26/2007 11:40**
Run Date: **08/20/2007 21:41**
File ID: **TC08-20-2007.38**

Analyte	CAS. Number	Result	Qual	RL	MDL
Total Organic Carbon			U	10.0	5.00

U Undetected; the analyte was analyzed for, but not detected.

Report Number: **L0708491**
Report Date : **August 27, 2007**

Sample Number: **L0708491-06**
Client ID: **TO05IW2A/2507372-06**
Matrix: **Water**
Workgroup Number: **WG248258**
Collect Date: **08/15/2007 16:32**
Sample Tag: **DL01**

PrePrep Method: **NONE**
Prep Method: **415.1**
Analytical Method: **415.1**
Analyst: **DIH**
Dilution: **50**
Units: **mg/L**

Instrument: **TOC-VWP**
Prep Date: **08/21/2007 11:24**
Cal Date: **02/26/2007 11:40**
Run Date: **08/21/2007 11:24**
File ID: **TC08-21-2007.07**

Analyte	CAS. Number	Result	Qual	RL	MDL
Total Organic Carbon		2360		50.0	25.0

Report Number: **L0708491**
Report Date : **August 27, 2007**

Sample Number: **L0708491-07**
Client ID: **TO05IW2B/2507372-07**
Matrix: **Water**
Workgroup Number: **WG248258**
Collect Date: **08/15/2007 16:30**
Sample Tag: **DL01**

PrePrep Method: **NONE**
Prep Method: **415.1**
Analytical Method: **415.1**
Analyst: **DIH**
Dilution: **50**
Units: **mg/L**

Instrument: **TOC-VWP**
Prep Date: **08/21/2007 11:39**
Cal Date: **02/26/2007 11:40**
Run Date: **08/21/2007 11:39**
File ID: **TC08-21-2007.08**

Analyte	CAS. Number	Result	Qual	RL	MDL
Total Organic Carbon		1440		50.0	25.0

2.1.3.2 QC Summary Data

Total Organic Carbon Example Calculations
(Direct Readout Parameter)

(Readout)/(dilution) = mg/L

where:

Readout = direct readout from the instrument
dilution = dilution in decimal form (ex. 1/5 dilution = 0.2)

KEMRON Environmental Services
Data Checklist

Date: 20-AUG-2007
Analyst: DIH
Analyst: NA
Method: TOC
Instrument: TOC
Curve Workgroup: NA
Runlog ID:
Analytical Workgroups: WG248155 WG248156

Calibration/Linearity	2/26/2007
Second Source Check	X
ICV/CCV (std)	X
ICB/CCB	X
Blank	X
LCS/LCS Dup	X
MS/MSD	X
Duplicate	X
Upload Results	X
Client Forms	X
QC Violation Sheet	X
Case Narratives	X
Signed Raw Data	X
STD/LCS on benchsheet	X
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	DIH
Secondary Reviewer	
Comments	

Primary Reviewer: 21-AUG-2007
Secondary Reviewer:

Generated: AUG-21-2007 16:44:33

KEMRON Environmental Services
Data Checklist

Date: 21-AUG-2007
Analyst: DIH
Analyst: NA
Method: TOC
Instrument: TOC
Curve Workgroup: NA
Runlog ID:
Analytical Workgroups: WG248258

Calibration/Linearity	2/26/2007
Second Source Check	X
ICV/CCV (std)	X
ICB/CCB	X
Blank	X
LCS/LCS Dup	X
MS/MSD	X
Duplicate	X
Upload Results	X
Client Forms	X
QC Violation Sheet	X
Case Narratives	X
Signed Raw Data	X
STD/LCS on benchsheet	X
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	DIH
Secondary Reviewer	
Comments	

Primary Reviewer: 21-AUG-2007
Secondary Reviewer:

Generated: AUG-21-2007 16:45:05

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method: 415.1 AAB#: WG248156
Login Number: L0708491

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
TO05FD02/2507372-05	08/15/07	08/17/07	08/20/07	28	5.90	08/20/07	28	5.90	
TO05MW40B/2507372-04	08/15/07	08/17/07	08/20/07	28	5.30	08/20/07	28	5.30	

* EXT = SEE PROJECT QAPP REQUIREMENTS
*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON FORMS - Modified 11/20/2006
Version 1.5 PDF File ID: 854786
Report generated 08/21/2007 16:35

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method: 415.1 AAB#: WG248155
Login Number: L0708491

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
TO05MW40AMS/2507372-02	08/15/07	08/17/07	08/20/07	28	5.28	08/20/07	28	5.28	
TO05MW40AMSD/2507372-03	08/15/07	08/17/07	08/20/07	28	5.29	08/20/07	28	5.29	
TO05MW40A/2507372-01	08/15/07	08/17/07	08/20/07	28	5.26	08/20/07	28	5.26	

* EXT = SEE PROJECT QAPP REQUIREMENTS
*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON FORMS - Modified 11/20/2006
Version 1.5 PDF File ID: 854786
Report generated 08/21/2007 16:35

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method: 415.1 AAB#: WG248258

Login Number: L0708491

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
TO05IW2A/2507372-06	08/15/07	08/17/07	08/21/07	28	5.79	08/21/07	28	5.79	
TO05IW2B/2507372-07	08/15/07	08/17/07	08/21/07	28	5.80	08/21/07	28	5.80	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON FORMS - Modified 11/20/2006
Version 1.5 PDF File ID: 854786
Report generated 08/21/2007 16:35

KEMRON Environmental Services

METHOD BLANK SUMMARY

Login Number: L0708491
Blank File ID: TC08-20-2007.04
Prep Date: 08/20/07 13:08
Analyzed Date: 08/20/07 13:08
Analyst: DIH

Work Group: WG248155
Blank Sample ID: WG248155-01
Instrument ID: TOC-VWP
Method: 415.1

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG248155-02	TC08-20-2007.05	08/20/07 13:35	01
LCS2	WG248155-03	TC08-20-2007.06	08/20/07 13:50	01
TO05MW40A/2507372-01	L0708491-01	TC08-20-2007.30	08/20/07 19:50	DL01
DUP	WG248155-05	TC08-20-2007.31	08/20/07 20:04	DL01
TO05MW40AMS/2507372-02	L0708491-02	TC08-20-2007.32	08/20/07 20:19	DL01
TO05MW40AMSD/2507372-03	L0708491-03	TC08-20-2007.33	08/20/07 20:33	DL01

KEMRON FORMS - Modified 01/31/2007
Version 1.5 PDF File ID: 854787
Report generated 08/21/2007 16:35

KEMRON Environmental Services

METHOD BLANK SUMMARY

Login Number: L0708491
Blank File ID: TC08-20-2007.34
Prep Date: 08/20/07 20:43
Analyzed Date: 08/20/07 20:43
Analyst: DIH

Work Group: WG248156
Blank Sample ID: WG248156-01
Instrument ID: TOC-VWP
Method: 415.1

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG248156-02	TC08-20-2007.35	08/20/07 20:58	01
LCS2	WG248156-03	TC08-20-2007.36	08/20/07 21:13	01
TO05MW40B/2507372-04	L0708491-04	TC08-20-2007.37	08/20/07 21:27	DL01
TO05FD02/2507372-05	L0708491-05	TC08-20-2007.38	08/20/07 21:41	DL01
DUP	WG248156-05	TC08-20-2007.50	08/21/07 00:44	DL01

KEMRON FORMS - Modified 01/31/2007
Version 1.5 PDF File ID: 854787
Report generated 08/21/2007 16:35

KEMRON Environmental Services

METHOD BLANK SUMMARY

Login Number: L0708491
Blank File ID: TC08-21-2007.04
Prep Date: 08/21/07 10:18
Analyzed Date: 08/21/07 10:18
Analyst: DIH

Work Group: WG248258
Blank Sample ID: WG248258-01
Instrument ID: TOC-VWP
Method: 415.1

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG248258-02	TC08-21-2007.05	08/21/07 10:32	01
LCS2	WG248258-03	TC08-21-2007.06	08/21/07 10:46	01
TO05IW2A/2507372-06	L0708491-06	TC08-21-2007.07	08/21/07 11:24	DL01
TO05IW2B/2507372-07	L0708491-07	TC08-21-2007.08	08/21/07 11:39	DL01
DUP	WG248258-05	TC08-21-2007.11	08/21/07 12:25	DL01

KEMRON FORMS - Modified 01/31/2007
Version 1.5 PDF File ID: 854787
Report generated 08/21/2007 16:35

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0708491 Prep Date: 08/20/07 13:08 Sample ID: WG248155-01
Instrument ID: TOC-VWP Run Date: 08/20/07 13:08 Prep Method: 415.1
File ID: TC08-20-2007.04 Analyst: DIH Method: 415.1
Workgroup (AAB#): WG248155 Matrix: Water Units: mg/L
Contract #: Cal ID: TOC-VW-26-FEB-07

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Total Organic Carbon	0.500	1.00	0.526	1	*

MDL Method Detection Limit
RL Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* Analyte concentration > 1/2 RL

KEMRON FORMS - Modified 12/07/2006
Version 1.5 PDF File ID: 854788
Report generated 08/21/2007 16:35

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0708491 Prep Date: 08/20/07 20:43 Sample ID: WG248156-01
Instrument ID: TOC-VWP Run Date: 08/20/07 20:43 Prep Method: 415.1
File ID: TC08-20-2007.34 Analyst: DIH Method: 415.1
Workgroup (AAB#): WG248156 Matrix: Water Units: mg/L
Contract #: Cal ID: TOC-VW-26-FEB-07

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Total Organic Carbon	0.500	1.00	0.500	1	U

MDL Method Detection Limit
RL Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* Analyte concentration > 1/2 RL

KEMRON FORMS - Modified 12/07/2006
Version 1.5 PDF File ID: 854788
Report generated 08/21/2007 16:35

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0708491 Prep Date: 08/21/07 10:18 Sample ID: WG248258-01
Instrument ID: TOC-VWP Run Date: 08/21/07 10:18 Prep Method: 415.1
File ID: TC08-21-2007.04 Analyst: DIH Method: 415.1
Workgroup (AAB#): WG248258 Matrix: Water Units: mg/L
Contract #: Cal ID: TOC-VW-26-FEB-07

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Total Organic Carbon	0.500	1.00	0.512	1	*

MDL Method Detection Limit
RL Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* Analyte concentration > 1/2 RL

KEMRON FORMS - Modified 12/07/2006
Version 1.5 PDF File ID: 854788
Report generated 08/21/2007 16:35

KEMRON Environmental Services

LABORATORY CONTROL SAMPLE (LCS)

Login Number: L0708491 Analyst: DIH Prep Method: 415.1
Instrument ID: TOC-VWP Matrix: Water Method: 415.1
Workgroup (AAB#): WG248258 Units: mg/L
Sample ID: WG248258-02 LCS File ID: TC08-21-2007.05 Run Date: 08/21/2007 10:32
Sample ID: WG248258-03 LCS2 File ID: TC08-21-2007.06 Run Date: 08/21/2007 10:46

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Total Organic Carbon	25.0	22.8	91.0	25.0	22.5	89.8	1.33	85 - 115	15	

KEMRON FORMS - Modified 02/08/2007
Version 1.5 PDF File ID: 854789
Report generated 08/21/2007 16:35

KEMRON Environmental Services

LABORATORY CONTROL SAMPLE (LCS)

Login Number: L0708491 Analyst: DIH Prep Method: 415.1
Instrument ID: TOC-VWP Matrix: Water Method: 415.1
Workgroup (AAB#): WG248156 Units: mg/L
Sample ID: WG248156-02 LCS File ID: TC08-20-2007.35 Run Date: 08/20/2007 20:58
Sample ID: WG248156-03 LCS2 File ID: TC08-20-2007.36 Run Date: 08/20/2007 21:13

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Total Organic Carbon	25.0	22.8	91.3	25.0	23.1	92.2	1.00	85 - 115	15	

KEMRON FORMS - Modified 02/08/2007
Version 1.5 PDF File ID: 854789
Report generated 08/21/2007 16:35

KEMRON Environmental Services

LABORATORY CONTROL SAMPLE (LCS)

Login Number: L0708491 Analyst: DIH Prep Method: 415.1
Instrument ID: TOC-VWP Matrix: Water Method: 415.1
Workgroup (AAB#): WG248155 Units: mg/L
Sample ID: WG248155-02 LCS File ID: TC08-20-2007.05 Run Date: 08/20/2007 13:35
Sample ID: WG248155-03 LCS2 File ID: TC08-20-2007.06 Run Date: 08/20/2007 13:50

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Total Organic Carbon	25.0	23.6	94.3	25.0	23.0	92.0	2.45	85 - 115	15	

KEMRON FORMS - Modified 02/08/2007
Version 1.5 PDF File ID: 854789
Report generated 08/21/2007 16:35

KEMRON Environmental Services

MS/MSD REPORT

Loginnum: L0708491 Cal ID: TOC-VWP-26-FEB-07 Worknum: WG248155
Instrument ID: TOC-VWP Contract #: Prep Method: 415.1
Parent ID: L0708491-01 File ID: TC08-20-2007.30 Dil: 10 Method: 415.1
Sample ID: L0708491-02 MS File ID: TC08-20-2007.32 Dil: 10 Matrix: Water
Sample ID: L0708491-03 MSD File ID: TC08-20-2007.33 Dil: 10 Units: mg/L

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Total Organic Carbon	U	10.0	21.7	217	10.0	23.6	236	8.12	85 - 115	15	*

* FAILS %REC LIMIT

\# FAILS RPD LIMIT

KEMRON FORMS - Modified 02/08/2007
Version 1.5 PDF File ID: 854790
Report generated 08/21/2007 16:35

2.1.3.3 Raw Data

TC/TIC
Curves

KEMRON
ENVIRONMENTAL SERVICES

Total Organic Carbon

MAKE DAILY

CCV (TOC): _____
$\left(\frac{10}{200}(1000) = 50\ mg/L\right)$ $\left(\frac{2}{200}(1000) = 10\ mg/L\right)$

CCV (TIC): _____
$\left(\frac{5}{200}(1000) = 25\ mg/L\right)$

See below

LCS (TOC): _____
$\left(\frac{5}{200}(1000) = 25\ mg/L\right)$

MS (TOC): _____

Calibration Curve Date: _____

☑ EPA 415.1 TOC / TOC-4 / TOC-D / TOCLOW
☐ SW846 9060 TOC-14 / TOC-44

SOP: K 4151 Rev. 11
Instrument: Shimadza TOC-VWP/ASI

DAILY CHECK

☑ drain reservoir filled
☑ ASI water bottle full
☑ dilution water bottle full

☑ 3rd bottle full
☑ sufficient gas
☑ sufficient persulfate

☑ sufficient acid
☑ waste container

Position	Sample ID	Dilution
1	TC Curve	
2	TIC curve	
3	TC ICV	
4	TIC ICV	
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

Position	Sample ID	Dilution
26	curve std	
27	TC: STD 17869	
28	TIC: STD 16475	
29		
30		
31	ICV:	
32	TC STD 16885	
33	TIC STD 17080	
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		

Position	Sample ID	Dilution
51		
52	from SOP	
53	" "	"
54		
55		
56		
57	5/200(1000)=25	
58	↓	↓
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
71		
72		
73		
74		
75		

Analyst: Deanna Roberts Date: 2/26/07 Time: _____

DCN#68372

Deanna Roberts
Approved: March 19, 2007

Instr.Information

System TOCVW ASI
Detector Wet Chemical

Cal. Curve

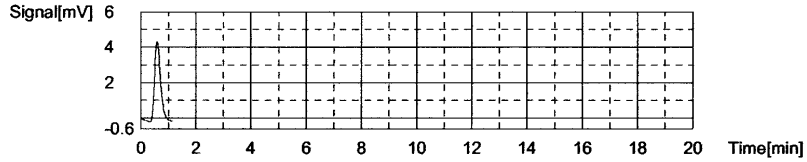
Sample Name: TC CURVE
Sample ID: Untitled
Cal. Curve: TCCURVE-02-26-2007.2007_02_26_10_12_35.cal
Status Completed

Type	Anal.
Standard	TC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	6.664	500uL	1	*******		02/26/2007 10:16:35 AM

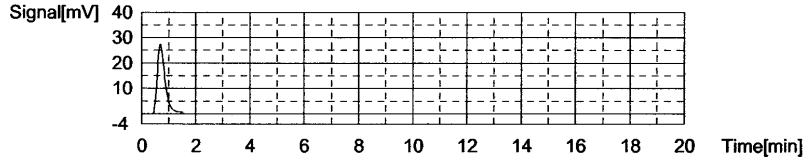
Acid Add. 0.000%
Mean Area 6.664



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	53.24	500uL	1	*******		02/26/2007 10:23:07 AM

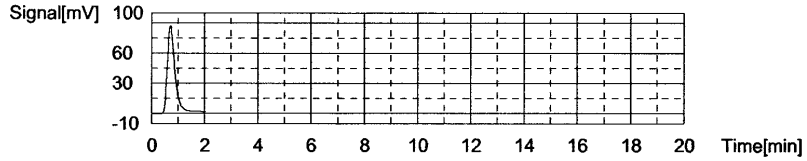
Acid Add. 0.000%
Mean Area 53.24



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	175.0	500uL	1	*******		02/26/2007 10:30:22 AM

Acid Add. 0.000%
Mean Area 175.0

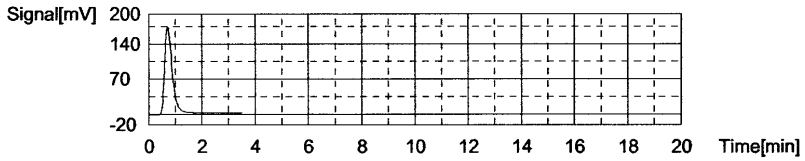


Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	369.9	500uL	1	*******		02/26/2007 10:39:05 AM

Jeanna Roberts
Approved: March 19, 2007

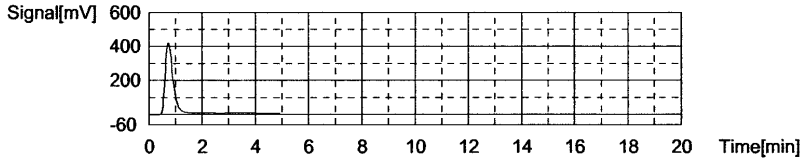
Acid Add. 0.000%
Mean Area 369.9



Conc: 25.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	965.1	500uL	1	T******		02/26/2007 10:49:12 AM

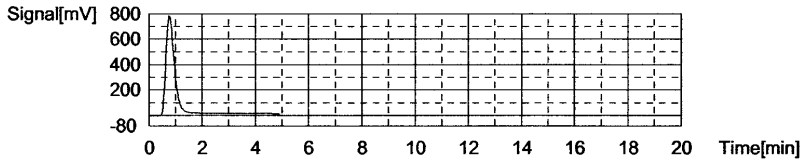
Acid Add. 0.000%
Mean Area 965.1



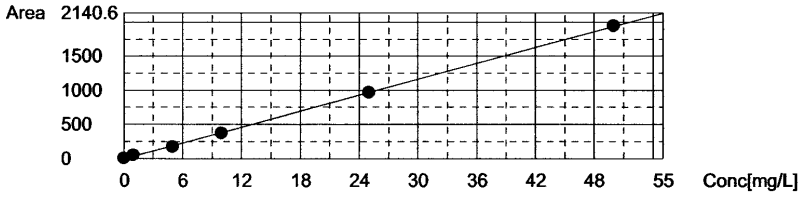
Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1946	500uL	1	T******		02/26/2007 10:59:19 AM

Acid Add. 0.000%
Mean Area 1946



Slope: 38.88
Intercept -3.633
r^2 0.999663
Zero Shift No



Cal. Curve

Sample Name: TIC CURVE
Sample ID: Untitled
Cal. Curve: TICCURVE-02-26-2007.2007_02_26_10_59_19.cal
Status Completed

Type	Anal.
Standard	IC

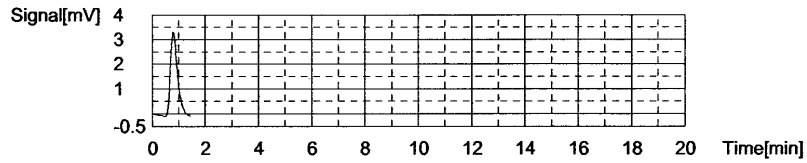
Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	6.426	500uL	1	*******		02/26/2007 11:03:55 AM

Jeanna Roberts

Approved: March 19, 2007

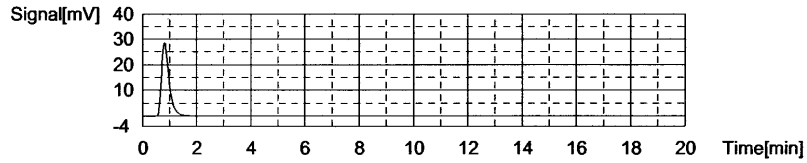
Acid Add. 10.00%
Mean Area 6.426



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	55.25	500uL	1	*******		02/26/2007 11:12:40 AM

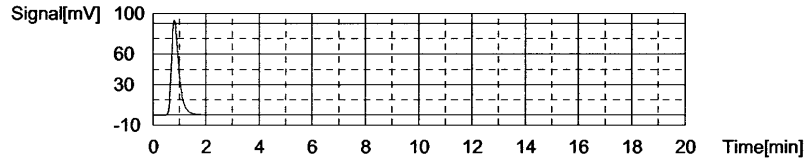
Acid Add. 10.00%
Mean Area 55.25



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	183.5	500uL	1	*******		02/26/2007 11:21:45 AM

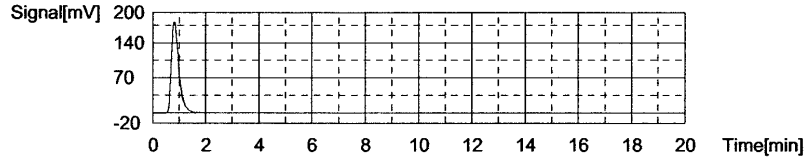
Acid Add. 10.00%
Mean Area 183.5



Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	363.0	500uL	1	*******		02/26/2007 11:31:02 AM

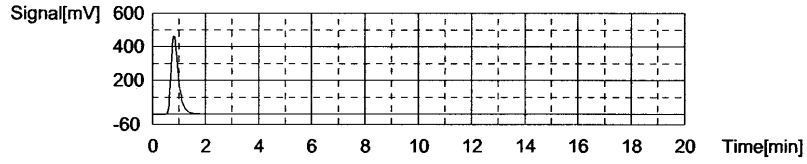
Acid Add. 10.00%
Mean Area 363.0



Conc: 25.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	909.5	500uL	1	*******		02/26/2007 11:40:45 AM

Acid Add. 10.00%
Mean Area 909.5



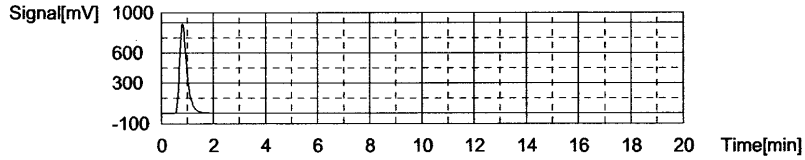
Conc: 50.00mg/L

Jeanna Roberts

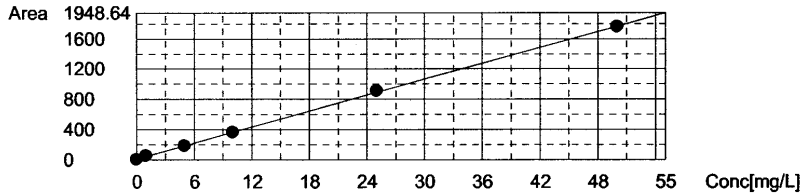
Approved: March 19, 2007

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1764	500uL	1	*******		02/26/2007 11:51:14 AM

Acid Add. 10.00%
Mean Area 1764



Slope: 35.15
Intercept 13.77
r^2 0.999794
Zero Shift No



Sample

Sample Name: TC ICV
Sample ID: Untitled
Origin: TCCURVE-02-26-2007.cal
Status Completed
Chk. Result

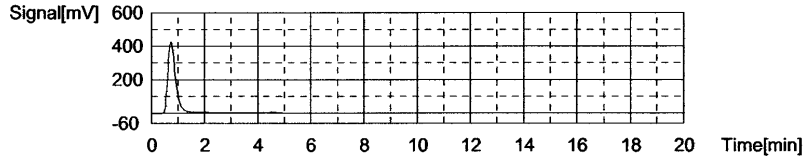
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:23.83mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	922.8	23.83mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	02/26/2007 12:02:39 PM

Mean Area 922.8
Mean Conc. 23.83mg/L



Sample

Sample Name: TIC CURVE
Sample ID: Untitled
Origin: TICCURVE-02-26-2007.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:23.43mg/L

1. Det

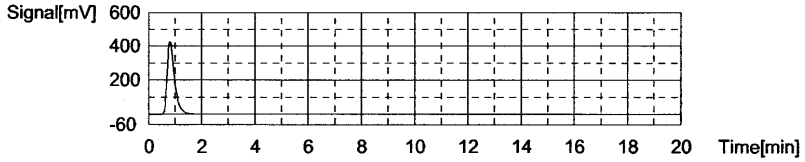
Jeanna Roberts

Approved: March 19, 2007

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	837.6	23.43mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	02/26/2007 12:10:52 PM

Mean Area 837.6
Mean Conc. 23.43mg/L



Jeanna Roberts

Approved: March 19, 2007

WORKGROUP: WG248155

248156

KEMRON ENVIRONMENTAL SERVICES

WG#: _____

Total Organic Carbon

MAKE DAILY

CCV (TOC): STD 20564 ($\frac{10}{200}(1000) = 50\ mg/L$) ($\frac{2}{200}(1000) = 10\ mg/L$)

CCV (TIC): STD 19753 ($\frac{5}{200}(1000) = 25\ mg/L$)

LCS (TOC): STD 20119 ($\frac{5}{200}(1000) = 25\ mg/L$)

MS (TOC): 0.4/40(1000)=10

Calibration Curve Date: 2/26/07

☑ EPA 415.1 / SM5310-C TOC / TOC-4 / TOC-D / TOCLOW
☐ SW846 9060 TOC-14 / TOC-44

SOP: K 4151 Rev. 11

Instrument: Shimadza TOC-VWP/ASI

DAILY CHECK

☑ drain reservoir filled
☑ ASI water bottle full
☑ dilution water bottle full

☑ 3rd bottle full
☑ sufficient gas
☑ sufficient persulfate

☑ sufficient acid
☑ waste container

Position	Sample ID	Dilution
1	CCV 50	
2	CCV 10	
3	TIC 25	
4	BLK	
5	LCS 25	
6	LCSDUP	
7	08-479-01	
8	02	
9	03	
10	08-~~447~~ 3100-01	1/5
11	03	1/5
12	08-428-01	1/3
13	04	1/3
14	08-388-01	1/3
15	CCV	
16	CCB	
17	08-447-01	1/400
18	14	1/2
19	15	1/2
20	23	
21	24	
22	25	
23	26	
24	31	
25	32	

Position	Sample ID	Dilution
26	08-447-33	1/800
27	CCV	1/200
28	CCB	
29	08-447-34	1/200
30	08-491-01	1/10
31	DUP 01	↓
32	MS 02	
33	MSD 03	↓
34	BLK	
35	LCS	
36	LCSDUP	
37	08-491-04	1/10
38	05	↓
39	CCV	
40	CCB	
41	491-06	1/10
42	07	↓
43	08-486-01	
44	02	
45	08-497-01	1/10
46	02	↓
47	03	
48	04	↓
49	08-482-01	1/10
50	DUP 01	↓

Position	Sample ID	Dilution
51	CCV	
52	CCB	
53	08-482-03 ms	1/10
54	msd05	X
55	08-484-03	
56	04	
57 R	08-479-03	1/3
58		
59		
60	CCV	
61	CCB	
62		
63		
64		
65		
66		
67		
68		
69		
70		
71		
72		
73		
74		
75		

Analyst: Deanna Dessam Date: 8/20/07 Time: _____

08-491/497 preserved w/ HCL. Diluted to reduce CL interference.

DCN#70631

	Analysi	Sample Name	Result	Status	Date / Time	Vial
1	TOC	CCV 50	!!Error!! TOC:48.04mg/L TC:47.78mg/L IC:-0.2521	Compl	08/20/2007 12:28:00 PM	1
2	TOC	CCV 10	!!Error!! TOC:9.403mg/L TC:9.166mg/L IC:-0.2374	Compl	08/20/2007 12:42:23 PM	2
3	TOC	TIC 25	!!Error!! TOC:-2.406mg/L TC:21.36mg/L IC:23.76m	Compl	08/20/2007 12:57:57 PM	3
4	TOC	WG248155-01 BLANK	!!Error!! TOC:0.5264mg/L TC:0.4078mg/L IC:-0.118	Compl	08/20/2007 01:08:20 PM	0
5	TOC	WG248155-02 LCS	!!Error!! TOC:23.57mg/L TC:23.30mg/L IC:-0.2619	Compl	08/20/2007 01:35:45 PM	5
6	TOC	WG248155-03 LCSDUP	!!Error!! TOC:23.00mg/L TC:22.74mg/L IC:-0.2645	Compl	08/20/2007 01:50:25 PM	6
7	TOC	L0708479-01	TOC:1.923mg/L TC:12.98mg/L IC:11.05mg/L	Compl	08/20/2007 02:05:46 PM	7
8	TOC	L0708479-02	TOC:5.125mg/L TC:13.61mg/L IC:8.481mg/L	Compl	08/20/2007 02:21:16 PM	8
9	TOC	L0708479-03 X	!!Error!! TOC:-4.783mg/L TC:65.17mg/L IC:69.95m	Compl	08/20/2007 02:39:12 PM	9
10	TOC	L0708360-01 (5)	TOC:1.720mg/L TC:21.80mg/L IC:20.08mg/L	Compl	08/20/2007 02:54:49 PM	10
11	TOC	L0708360-03 (5)	TOC:1.409mg/L TC:24.42mg/L IC:23.01mg/L	Compl	08/20/2007 03:10:29 PM	11
12	TOC	L0708428-01 (3)	!!Error!! TOC:-0.6619mg/L TC:16.20mg/L IC:16.86	Compl	08/20/2007 03:25:54 PM	12
13	TOC	L0708428-04 (3)	!!Error!! TOC:-0.8635mg/L TC:14.28mg/L IC:15.15	Compl	08/20/2007 03:40:18 PM	13
14	TOC	L0708388-01 (3)	TOC:0.7458mg/L TC:11.79mg/L IC:11.05mg/L	Compl	08/20/2007 03:55:09 PM	14
15	TOC	CCV	!!Error!! TOC:45.43mg/L TC:45.26mg/L IC:-0.1675	Compl	08/20/2007 04:09:59 PM	15
16	TOC	CCB	!!Error!! TOC:0.5035mg/L TC:0.3584mg/L IC:-0.145	Compl	08/20/2007 04:20:09 PM	0
17	TOC	L0708447-01 (400)	!!Error!! TOC:23.31mg/L TC:23.16mg/L IC:-0.1472	Compl	08/20/2007 04:37:32 PM	17
18	TOC	L0708447-14 (2)	TOC:9.641mg/L TC:11.87mg/L IC:2.228mg/L	Compl	08/20/2007 04:52:40 PM	18
19	TOC	L0708447-15 (2)	TOC:1.084mg/L TC:4.778mg/L IC:3.693mg/L	Compl	08/20/2007 05:06:55 PM	19
20	TOC	L0708447-23	TOC:1.468mg/L TC:4.760mg/L IC:3.292mg/L	Compl	08/20/2007 05:21:36 PM	20
21	TOC	L0708447-24	TOC:1.847mg/L TC:2.676mg/L IC:0.8292mg/L	Compl	08/20/2007 05:35:55 PM	21
22	TOC	L0708447-25	TOC:1.220mg/L TC:9.539mg/L IC:8.318mg/L	Compl	08/20/2007 05:50:59 PM	22
23	TOC	L0708447-26	TOC:3.220mg/L TC:3.579mg/L IC:0.3593mg/L	Compl	08/20/2007 06:05:15 PM	23
24	TOC	L0708447-31	TOC:1.838mg/L TC:8.759mg/L IC:6.922mg/L	Compl	08/20/2007 06:20:11 PM	24
25	TOC	L0708447-32	TOC:2.055mg/L TC:2.879mg/L IC:0.8238mg/L	Compl	08/20/2007 06:34:38 PM	25
26	TOC	L0708447-33 (200)	!!Error!! TOC:18.34mg/L TC:18.18mg/L IC:-0.1658	Compl	08/20/2007 06:52:15 PM	26
27	TOC	CCV	!!Error!! TOC:46.32mg/L TC:46.11mg/L IC:-0.2112	Compl	08/20/2007 07:08:00 PM	27
28	TOC	CCB	!!Error!! TOC:0.5313mg/L TC:0.3754mg/L IC:-0.155	Compl	08/20/2007 07:18:16 PM	0
29	TOC	L0708447-34 (200)	!!Error!! TOC:34.76mg/L TC:34.64mg/L IC:-0.1252	Compl	08/20/2007 07:35:59 PM	29
30	TOC	L0708491-01 (10)	TOC:0.9843mg/L TC:1.891mg/L IC:0.9071mg/L	Compl	08/20/2007 07:50:29 PM	30
31	TOC	WG248155-05 (10) DUP	TOC:1.093mg/L TC:2.024mg/L IC:0.9305mg/L	Compl	08/20/2007 08:04:38 PM	31
32	TOC	L0708491-02 (10) MS	TOC:2.174mg/L TC:3.013mg/L IC:0.8386mg/L	Compl	08/20/2007 08:19:03 PM	32
33	TOC	L0708491-03 (10) MSD	TOC:2.358mg/L TC:3.134mg/L IC:0.7754mg/L	Compl	08/20/2007 08:33:27 PM	33
34	TOC	WG248156-01 BLANK	!!Error!! TOC:0.4763mg/L TC:0.3219mg/L IC:-0.154	Compl	08/20/2007 08:43:36 PM	0
35	TOC	WG248156-02 LCS	!!Error!! TOC:22.82mg/L TC:22.60mg/L IC:-0.2219	Compl	08/20/2007 08:58:25 PM	35
36	TOC	WG248156-03 LCSDUP	!!Error!! TOC:23.05mg/L TC:22.84mg/L IC:-0.2180	Compl	08/20/2007 09:13:09 PM	36
37	TOC	L0708491-04 (10)	TOC:0.9039mg/L TC:2.482mg/L IC:1.578mg/L	Compl	08/20/2007 09:27:31 PM	37
38	TOC	L0708491-05 (10)	TOC:0.8462mg/L TC:2.570mg/L IC:1.724mg/L	Compl	08/20/2007 09:41:50 PM	38
39	TOC	CCV	!!Error!! TOC:45.92mg/L TC:45.73mg/L IC:-0.1947	Compl	08/20/2007 09:57:08 PM	39
40	TOC	CCB	!!Error!! TOC:0.5222mg/L TC:0.3659mg/L IC:-0.156	Compl	08/20/2007 10:07:20 PM	0
41	TOC	L0708491-06 (10) X	TOC:151.6mg/L TC:153.9mg/L IC:2.310mg/L	Compl	08/20/2007 10:25:05 PM	41
42	TOC	L0708491-07 (10) X	TOC:114.0mg/L TC:115.8mg/L IC:1.816mg/L	Compl	08/20/2007 10:41:41 PM	42
43	TOC	L0708486-01 X	!!Error!! TOC:-3.819mg/L TC:54.19mg/L IC:58.01m	Compl	08/20/2007 10:58:38 PM	43
44	TOC	L0708486-02	TOC:1.229mg/L TC:15.21mg/L IC:13.98mg/L	Compl	08/20/2007 11:14:15 PM	44
45	TOC	L0708497-01 (10)	TOC:3.276mg/L TC:3.947mg/L IC:0.6705mg/L	Compl	08/20/2007 11:28:37 PM	45
46	TOC	L0708497-02 (10)	TOC:7.463mg/L TC:9.354mg/L IC:1.891mg/L	Compl	08/20/2007 11:43:25 PM	46
47	TOC	L0708497-03 (10)	TOC:2.348mg/L TC:3.373mg/L IC:1.025mg/L	Compl	08/20/2007 11:58:03 PM	47
48	TOC	L0708497-04 (10)	TOC:0.8845mg/L TC:2.087mg/L IC:1.203mg/L	Compl	08/21/2007 12:12:22 AM	48
49	TOC	WG248156-04 (10)	TOC:19.35mg/L TC:49.51mg/L IC:30.16mg/L	Compl	08/21/2007 12:28:59 AM	49
50	TOC	WG248156-05 (10)DUP	TOC:3.737mg/L TC:11.89mg/L IC:8.151mg/L	Compl	08/21/2007 12:44:19 AM	50
51	TOC	CCV	!!Error!! TOC:44.82mg/L TC:44.67mg/L IC:-0.1461	Compl	08/21/2007 01:00:31 AM	51
52	TOC	CCB	!!Error!! TOC:0.6327mg/L TC:0.4896mg/L IC:-0.143	Compl	08/21/2007 01:10:49 AM	0
53	TOC	WG248156-06 (10) MS	TOC:20.49mg/L TC:38.32mg/L IC:17.83mg/L	Compl	08/21/2007 01:27:01 AM	53
54	TOC	WG248156-07 (10) MSD	TOC:3.687mg/L TC:17.57mg/L IC:13.88mg/L	Compl	08/21/2007 01:42:29 AM	54
55	TOC	L0708484-03	TOC:0.4193mg/L TC:17.46mg/L IC:17.04mg/L	Compl	08/21/2007 01:58:03 AM	55
56	TOC	L0708484-04 X	!!Error!! TOC:-11.78mg/L TC:60.57mg/L IC:72.34m	Compl	08/21/2007 02:16:12 AM	56
57	TOC	L0708479-03 (3)	TOC:14.45mg/L TC:28.90mg/L IC:14.45mg/L	Compl	08/21/2007 02:32:28 AM	57
58	TOC		!!Error!! TOC:0.6260mg/L TC:0.5608mg/L IC:-0.065	Compl	08/21/2007 02:46:12 AM	58
59	TOC		!!Error!! TOC:0.5327mg/L TC:0.3985mg/L IC:-0.134	Compl	08/21/2007 02:59:52 AM	59
60	TOC	CCV	!!Error!! TOC:45.28mg/L TC:45.11mg/L IC:-0.1685	Compl	08/21/2007 03:15:51 AM	60
61	TOC	CCB	!!Error!! TOC:0.5166mg/L TC:0.3720mg/L IC:-0.144	Compl	08/21/2007 03:26:05 AM	0

Instr.Information

System TOCVW ASI
Detector Wet Chemical

Sample

Sample Name: CCV 50
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

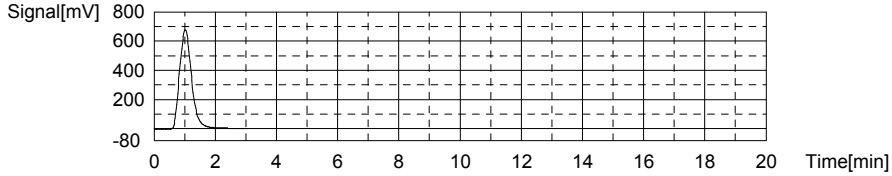
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:48.04mg/L TC:47.78mg/L IC:-0.2521mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1854	47.78mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 12:22:39 PM

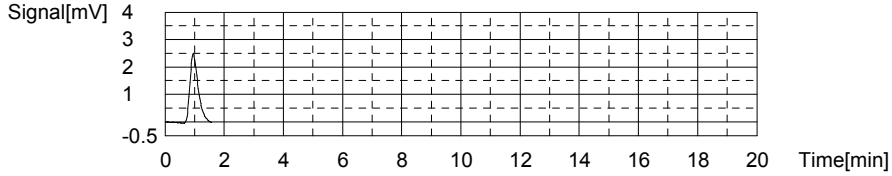
Mean Area 1854
Mean Conc. 47.78mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.909	-0.2521mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 12:28:00 PM

Mean Area 4.909
Mean Conc. -0.2521mg/L



Sample

Sample Name: CCV 10
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

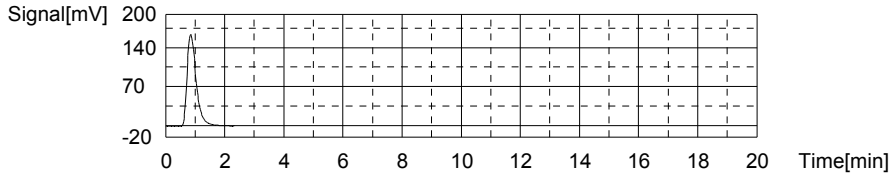
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:9.403mg/L TC:9.166mg/L IC:-0.2374mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	352.7	9.166mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 12:37:04 PM

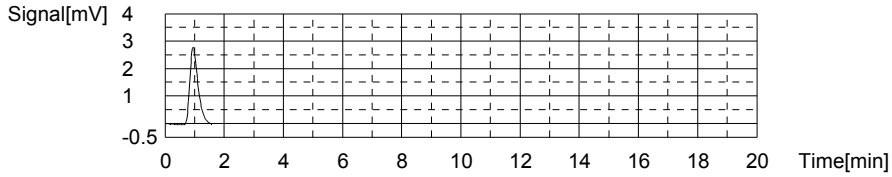
Mean Area 352.7
Mean Conc. 9.166mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.424	-0.2374mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 12:42:23 PM

Mean Area 5.424
Mean Conc. -0.2374mg/L



Sample

Sample Name: TIC 25
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

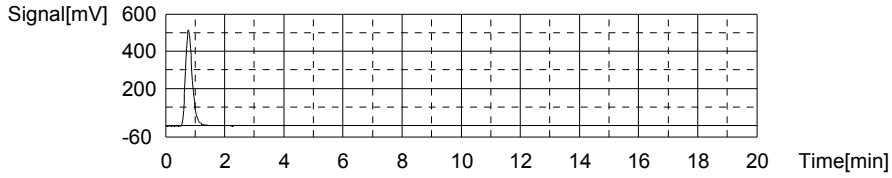
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:-2.406mg/L TC:21.36mg/L IC:23.76mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	826.7	21.36mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 12:51:26 PM

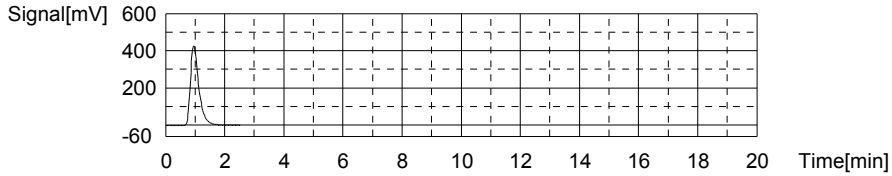
Mean Area 826.7
Mean Conc. 21.36mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	849.2	23.76mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 12:57:57 PM

Mean Area 849.2
Mean Conc. 23.76mg/L



Sample

Sample Name: WG248155-01 BLANK
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

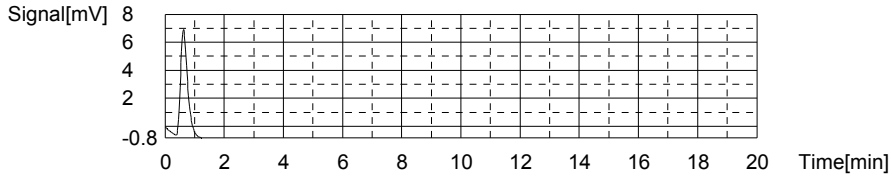
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:0.5264mg/L TC:0.4078mg/L IC:-0.1186mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.22	0.4078mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 01:03:46 PM

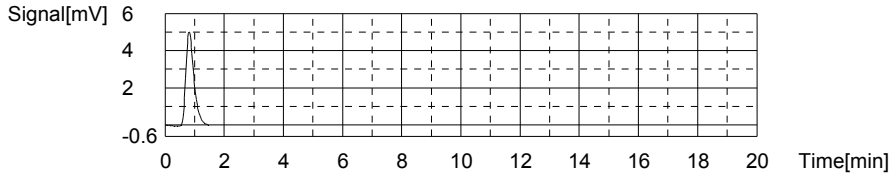
Mean Area 12.22
Mean Conc. 0.4078mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.599	-0.1186mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 01:08:20 PM

Mean Area 9.599
Mean Conc. -0.1186mg/L



Sample

Sample Name: WG248155-02 LCS
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

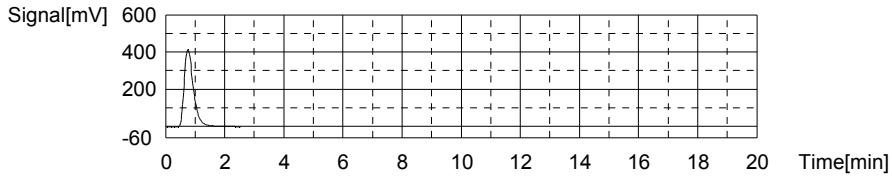
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:23.57mg/L TC:23.30mg/L IC:-0.2619mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	902.3	23.30mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 01:30:43 PM

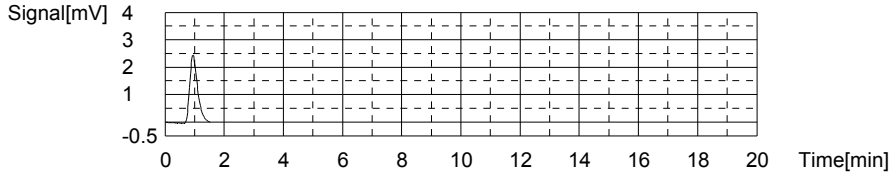
Mean Area 902.3
Mean Conc. 23.30mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.562	-0.2619mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 01:35:45 PM

Mean Area 4.562
Mean Conc. -0.2619mg/L



Sample

Sample Name: WG248155-03 LCSDUP
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

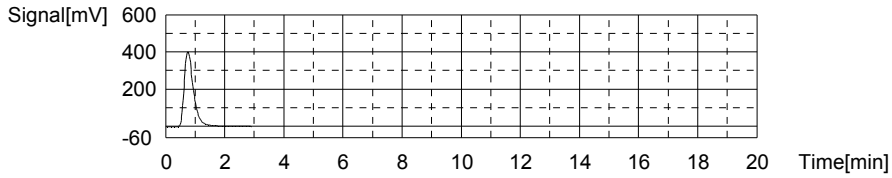
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:23.00mg/L TC:22.74mg/L IC:-0.2645mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	880.4	22.74mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 01:45:24 PM

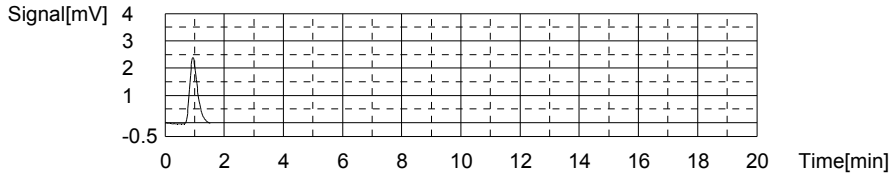
Mean Area 880.4
Mean Conc. 22.74mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.473	-0.2645mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 01:50:25 PM

Mean Area 4.473
Mean Conc. -0.2645mg/L



Sample

Sample Name: L0708479-01
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

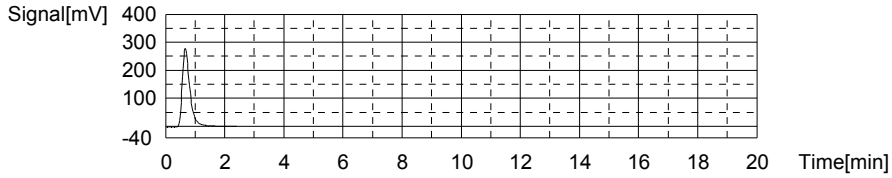
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:1.923mg/L TC:12.98mg/L IC:11.05mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	500.9	12.98mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 01:59:41 PM

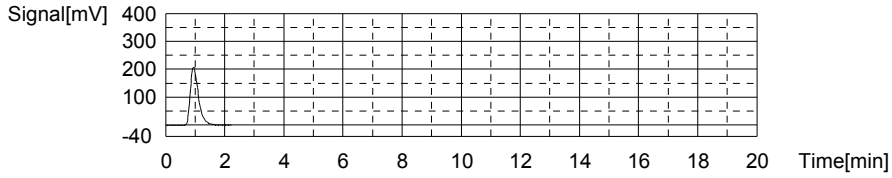
Mean Area 500.9
Mean Conc. 12.98mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	402.4	11.05mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 02:05:46 PM

Mean Area 402.4
Mean Conc. 11.05mg/L



Sample

Sample Name: L0708479-02
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

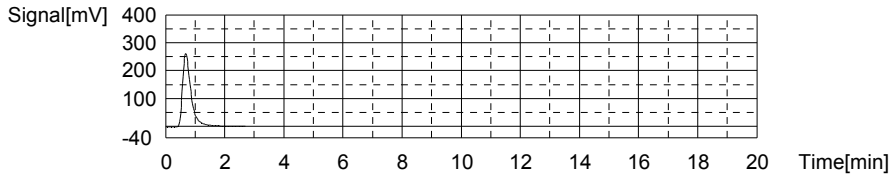
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:5.125mg/L TC:13.61mg/L IC:8.481mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	525.3	13.61mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 02:15:19 PM

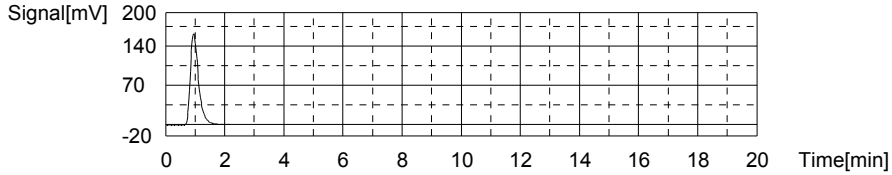
Mean Area 525.3
Mean Conc. 13.61mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	311.9	8.481mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 02:21:16 PM

Mean Area 311.9
Mean Conc. 8.481mg/L



Sample

Sample Name: L0708479-03
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

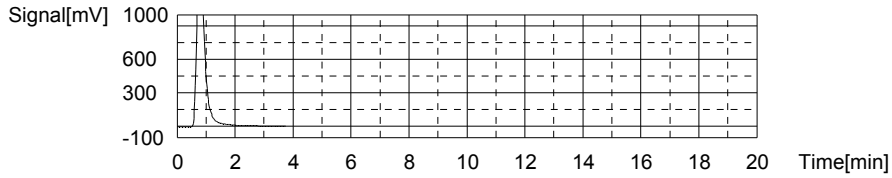
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:-4.783mg/L TC:65.17mg/L IC:69.95mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2530	65.17mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 02:31:51 PM

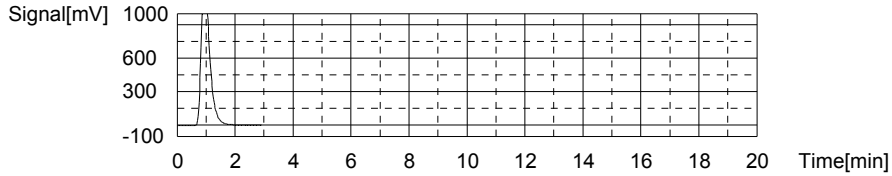
Mean Area 2530
Mean Conc. 65.17mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2473	69.95mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 02:39:12 PM

Mean Area 2473
Mean Conc. 69.95mg/L



Sample

Sample Name: L0708360-01 (5)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

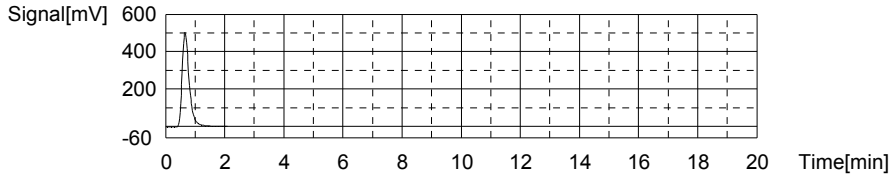
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:1.720mg/L TC:21.80mg/L IC:20.08mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	843.8	21.80mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 02:48:19 PM

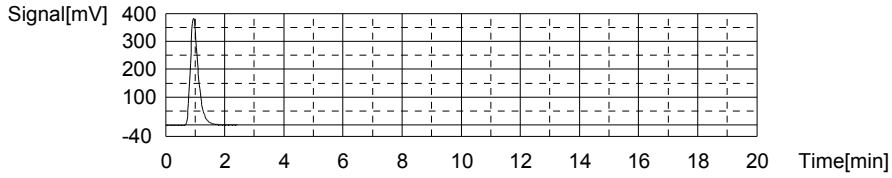
Mean Area 843.8
Mean Conc. 21.80mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	719.6	20.08mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 02:54:49 PM

Mean Area 719.6
Mean Conc. 20.08mg/L



Sample

Sample Name: L0708360-03 (5)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

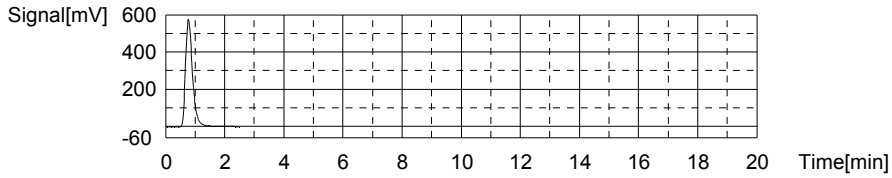
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:1.409mg/L TC:24.42mg/L IC:23.01mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	945.6	24.42mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 03:04:01 PM

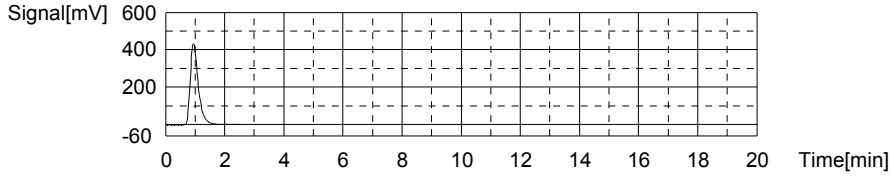
Mean Area 945.6
Mean Conc. 24.42mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	822.6	23.01mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 03:10:29 PM

Mean Area 822.6
Mean Conc. 23.01mg/L



Sample

Sample Name: L0708428-01 (3)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

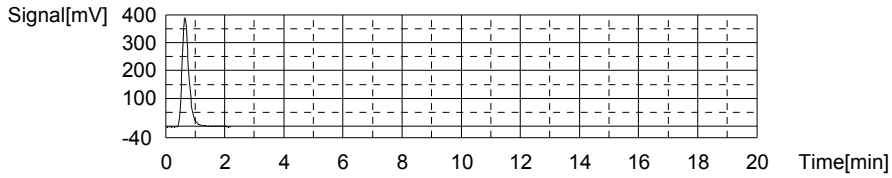
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:-0.6619mg/L TC:16.20mg/L IC:16.86mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	626.0	16.20mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 03:19:25 PM

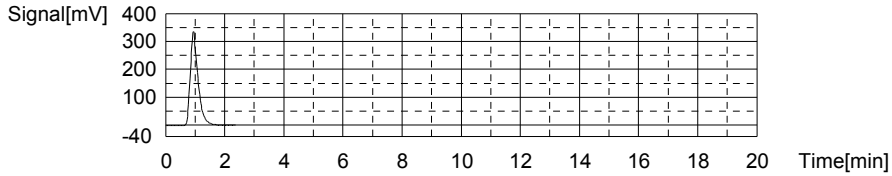
Mean Area 626.0
Mean Conc. 16.20mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	606.4	16.86mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 03:25:54 PM

Mean Area 606.4
Mean Conc. 16.86mg/L



Sample

Sample Name: L0708428-04 (3)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

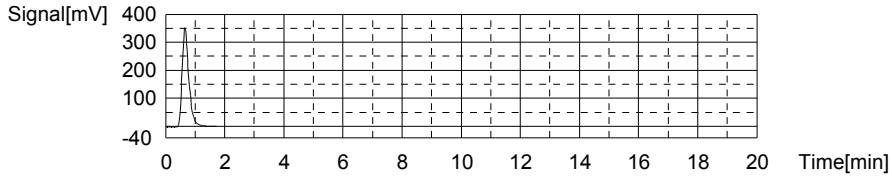
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:-0.8635mg/L TC:14.28mg/L IC:15.15mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	551.7	14.28mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 03:34:13 PM

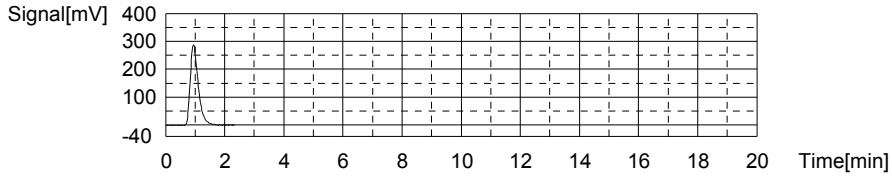
Mean Area 551.7
Mean Conc. 14.28mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	546.3	15.15mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 03:40:18 PM

Mean Area 546.3
Mean Conc. 15.15mg/L



Sample

Sample Name: L0708388-01 (3)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

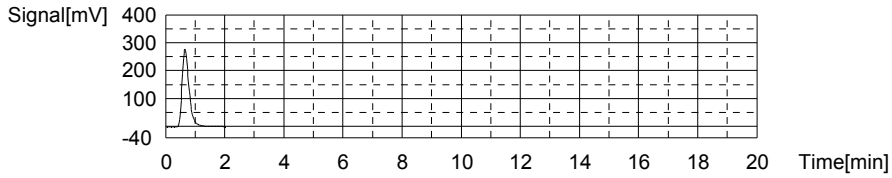
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:0.7458mg/L TC:11.79mg/L IC:11.05mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	454.8	11.79mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 03:49:05 PM

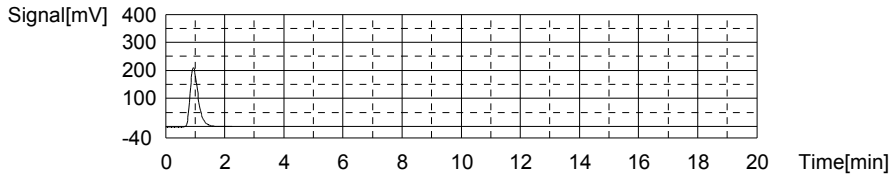
Mean Area 454.8
Mean Conc. 11.79mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	402.1	11.05mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 03:55:09 PM

Mean Area 402.1
Mean Conc. 11.05mg/L



Sample

Sample Name: CCV
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

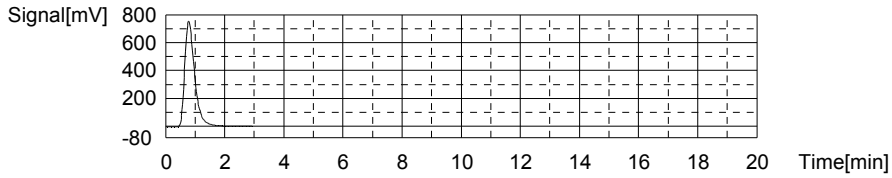
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:45.43mg/L TC:45.26mg/L IC:-0.1675mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1756	45.26mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 04:04:51 PM

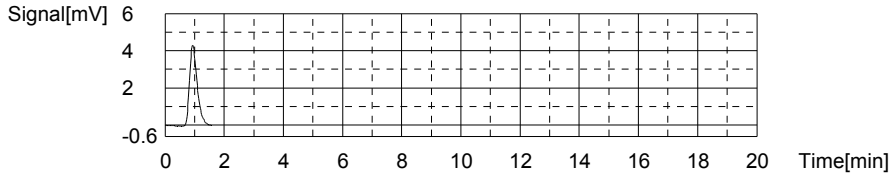
Mean Area 1756
Mean Conc. 45.26mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.881	-0.1675mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 04:09:59 PM

Mean Area 7.881
Mean Conc. -0.1675mg/L



Sample

Sample Name: CCB
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

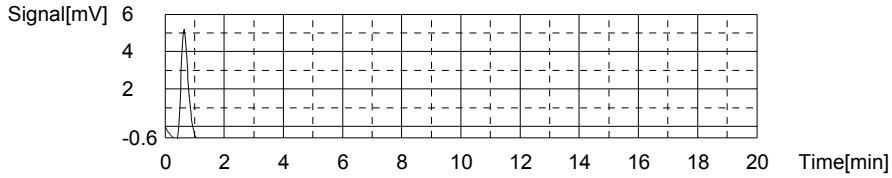
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:0.5035mg/L TC:0.3584mg/L IC:-0.1452mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.30	0.3584mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 04:15:46 PM

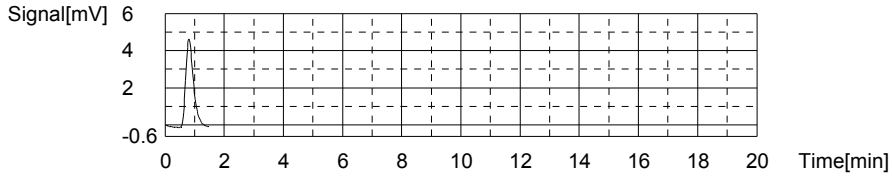
Mean Area 10.30
Mean Conc. 0.3584mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.667	-0.1452mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 04:20:09 PM

Mean Area 8.667
Mean Conc. -0.1452mg/L



Sample

Sample Name: L0708447-01 (400)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

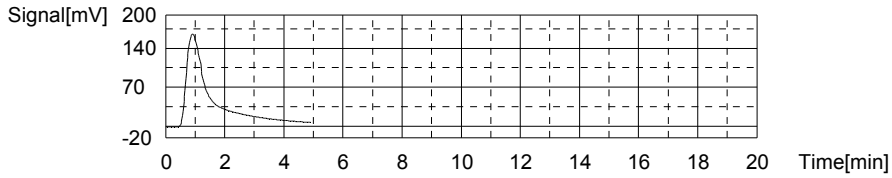
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:23.31mg/L TC:23.16mg/L IC:-0.1472mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	896.8	23.16mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 04:31:54 PM

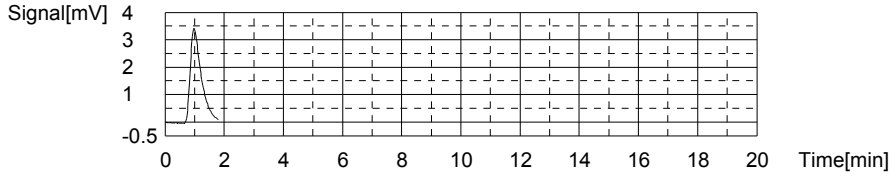
Mean Area 896.8
Mean Conc. 23.16mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.594	-0.1472mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 04:37:32 PM

Mean Area 8.594
Mean Conc. -0.1472mg/L



Sample

Sample Name: L0708447-14 (2)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

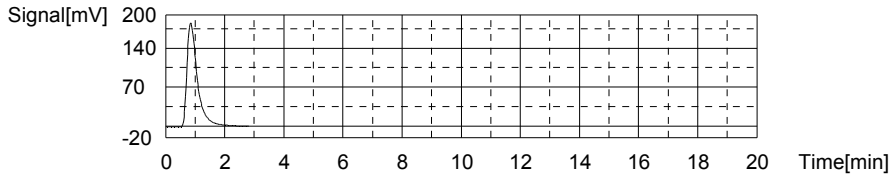
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:9.641mg/L TC:11.87mg/L IC:2.228mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	457.8	11.87mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 04:46:58 PM

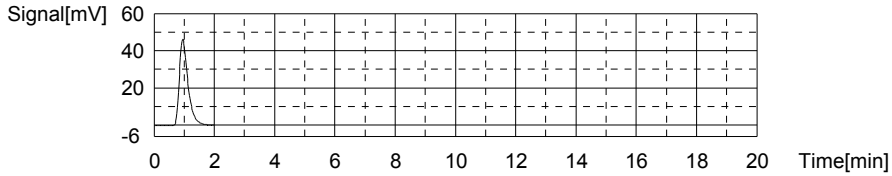
Mean Area 457.8
Mean Conc. 11.87mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	92.11	2.228mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 04:52:40 PM

Mean Area 92.11
Mean Conc. 2.228mg/L



Sample

Sample Name: L0708447-15 (2)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

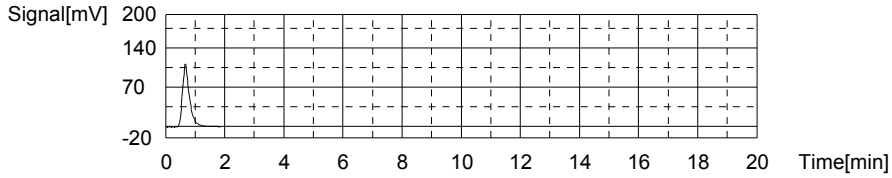
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:1.084mg/L TC:4.778mg/L IC:3.693mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	182.1	4.778mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 05:01:16 PM

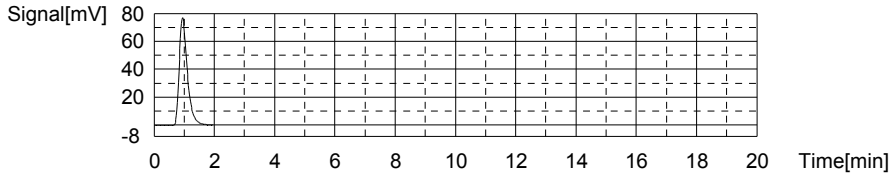
Mean Area 182.1
Mean Conc. 4.778mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	143.6	3.693mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 05:06:55 PM

Mean Area 143.6
Mean Conc. 3.693mg/L



Sample

Sample Name: L0708447-23
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

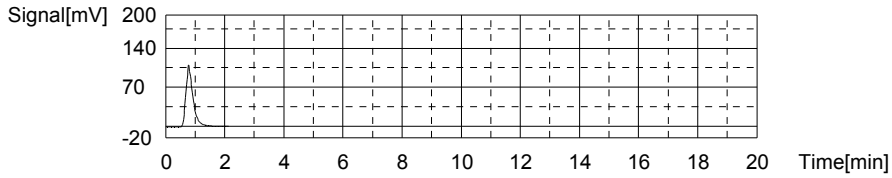
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:1.468mg/L TC:4.760mg/L IC:3.292mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	181.4	4.760mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 05:15:53 PM

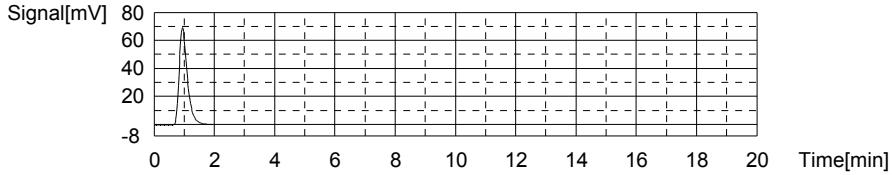
Mean Area 181.4
Mean Conc. 4.760mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	129.5	3.292mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 05:21:36 PM

Mean Area 129.5
Mean Conc. 3.292mg/L



Sample

Sample Name: L0708447-24
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

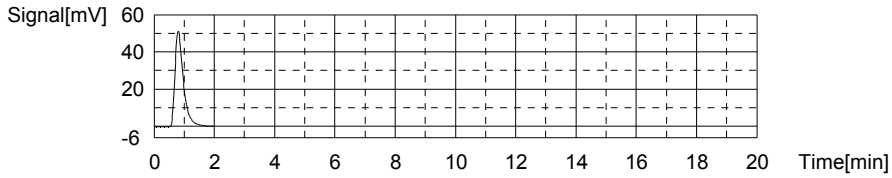
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:1.847mg/L TC:2.676mg/L IC:0.8292mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	100.4	2.676mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 05:30:26 PM

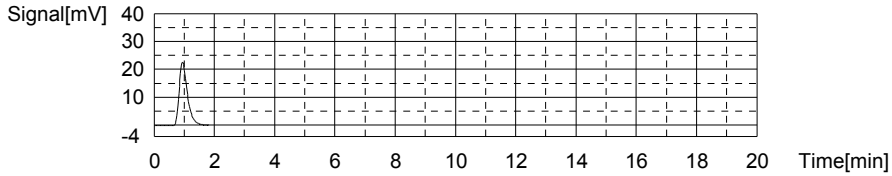
Mean Area 100.4
Mean Conc. 2.676mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	42.92	0.8292mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 05:35:55 PM

Mean Area 42.92
Mean Conc. 0.8292mg/L



Sample

Sample Name: L0708447-25
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

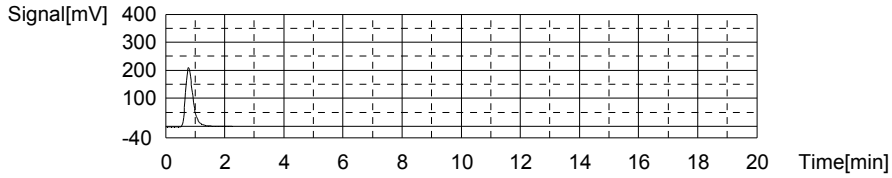
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:1.220mg/L TC:9.539mg/L IC:8.318mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	367.2	9.539mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 05:45:02 PM

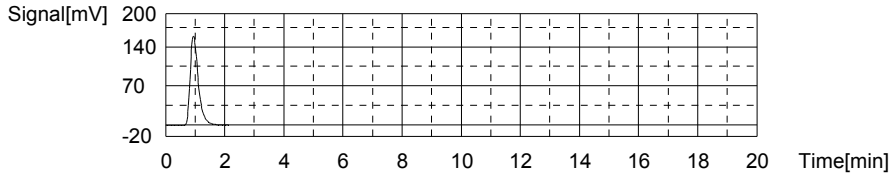
Mean Area 367.2
Mean Conc. 9.539mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	306.2	8.318mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 05:50:59 PM

Mean Area 306.2
Mean Conc. 8.318mg/L



Sample

Sample Name: L0708447-26
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

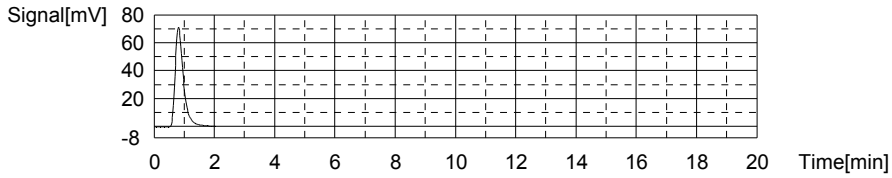
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:3.220mg/L TC:3.579mg/L IC:0.3593mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	135.5	3.579mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 05:59:52 PM

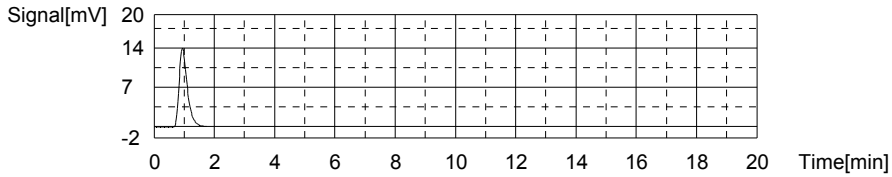
Mean Area 135.5
Mean Conc. 3.579mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	26.40	0.3593mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 06:05:15 PM

Mean Area 26.40
Mean Conc. 0.3593mg/L



Sample

Sample Name: L0708447-31
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

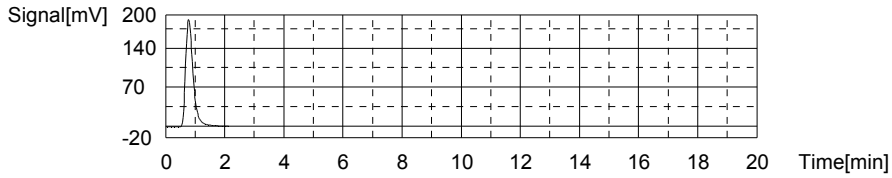
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:1.838mg/L TC:8.759mg/L IC:6.922mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	336.9	8.759mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 06:14:14 PM

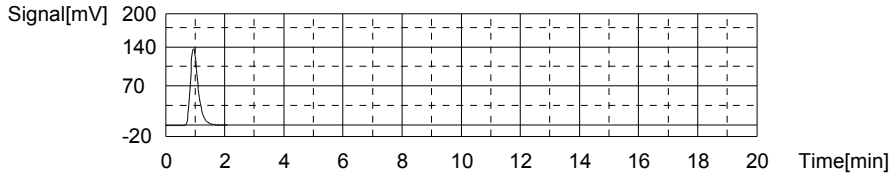
Mean Area 336.9
Mean Conc. 8.759mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	257.1	6.922mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 06:20:11 PM

Mean Area 257.1
Mean Conc. 6.922mg/L



Sample

Sample Name: L0708447-32
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

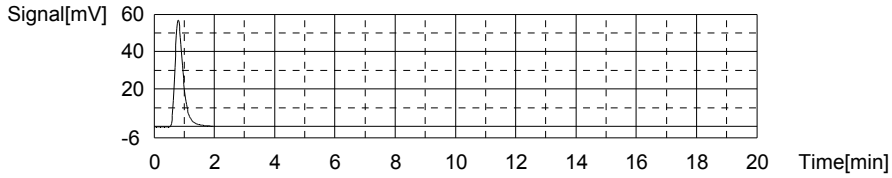
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:2.055mg/L TC:2.879mg/L IC:0.8238mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	108.3	2.879mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 06:28:59 PM

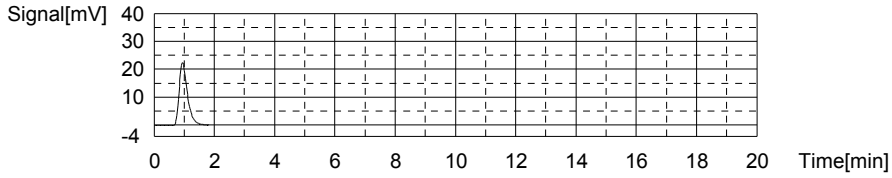
Mean Area 108.3
Mean Conc. 2.879mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	42.73	0.8238mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 06:34:38 PM

Mean Area 42.73
Mean Conc. 0.8238mg/L



Sample

Sample Name: L0708447-33 (200)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

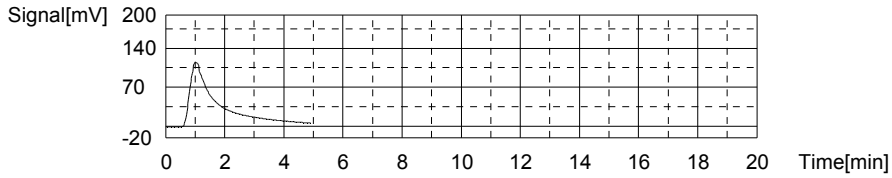
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:18.34mg/L TC:18.18mg/L IC:-0.1658mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	703.0	18.18mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 06:46:24 PM

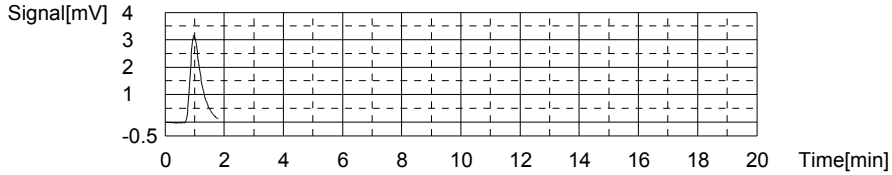
Mean Area 703.0
Mean Conc. 18.18mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.942	-0.1658mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 06:52:15 PM

Mean Area 7.942
Mean Conc. -0.1658mg/L



Sample

Sample Name: CCV
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

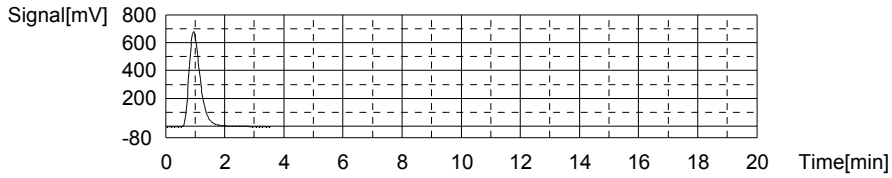
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:46.32mg/L TC:46.11mg/L IC:-0.2112mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1789	46.11mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 07:02:41 PM

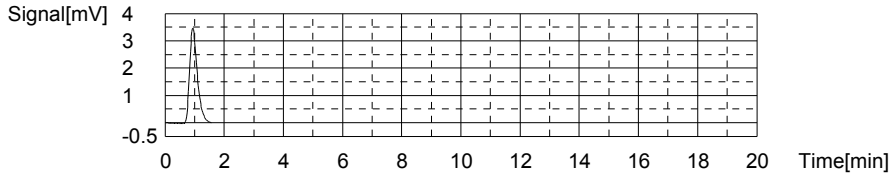
Mean Area 1789
Mean Conc. 46.11mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.345	-0.2112mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 07:08:00 PM

Mean Area 6.345
Mean Conc. -0.2112mg/L



Sample

Sample Name: CCB
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

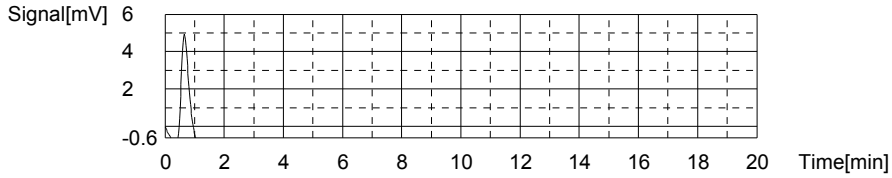
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:0.5313mg/L TC:0.3754mg/L IC:-0.1559mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.96	0.3754mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 07:13:50 PM

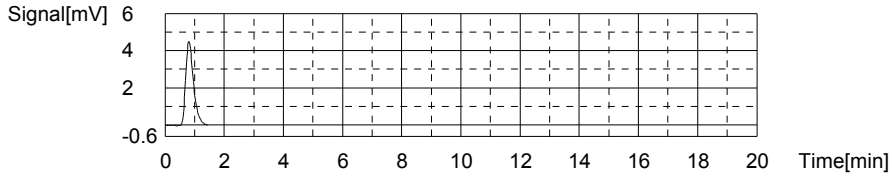
Mean Area 10.96
Mean Conc. 0.3754mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.289	-0.1559mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 07:18:16 PM

Mean Area 8.289
Mean Conc. -0.1559mg/L



Sample

Sample Name: L0708447-34 (200)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

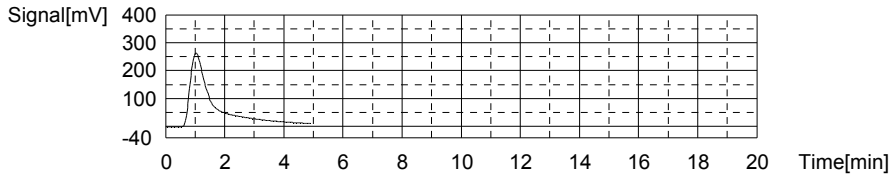
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:34.76mg/L TC:34.64mg/L IC:-0.1252mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1343	34.64mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 07:30:03 PM

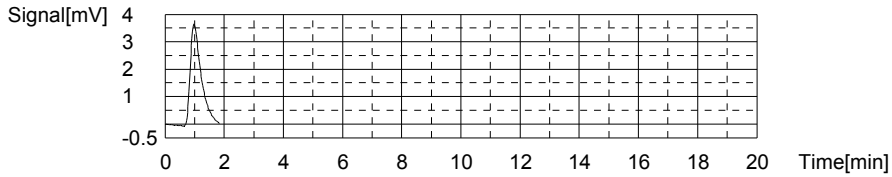
Mean Area 1343
Mean Conc. 34.64mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.369	-0.1252mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 07:35:59 PM

Mean Area 9.369
Mean Conc. -0.1252mg/L



Sample

Sample Name: L0708491-01 (10)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

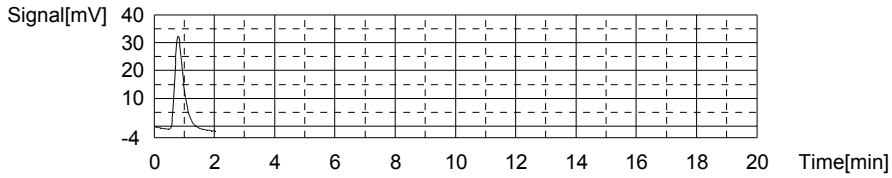
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:0.9843mg/L TC:1.891mg/L IC:0.9071mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	69.90	1.891mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 07:44:53 PM

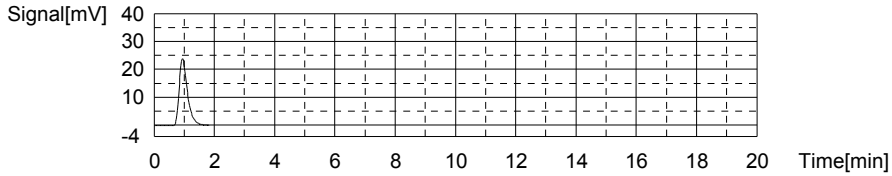
Mean Area 69.90
Mean Conc. 1.891mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	45.66	0.9071mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 07:50:29 PM

Mean Area 45.66
Mean Conc. 0.9071mg/L



Sample

Sample Name: WG248155-05 (10) DUP
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

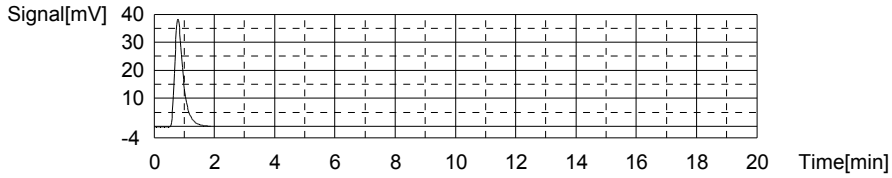
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:1.093mg/L TC:2.024mg/L IC:0.9305mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	75.05	2.024mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 07:59:13 PM

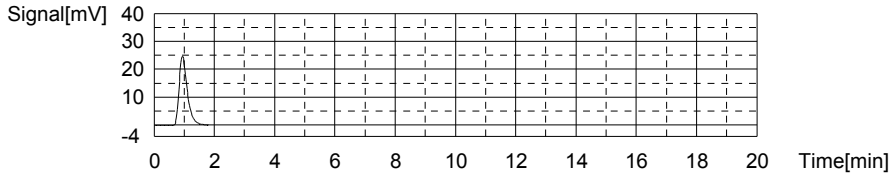
Mean Area 75.05
Mean Conc. 2.024mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	46.48	0.9305mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 08:04:38 PM

Mean Area 46.48
Mean Conc. 0.9305mg/L



Sample

Sample Name: L0708491-02 (10) MS
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

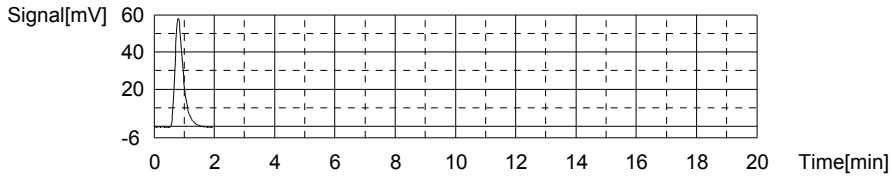
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:2.174mg/L TC:3.013mg/L IC:0.8386mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	113.5	3.013mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 08:13:27 PM

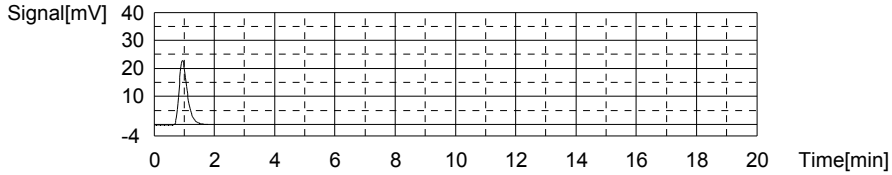
Mean Area 113.5
Mean Conc. 3.013mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	43.25	0.8386mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 08:19:03 PM

Mean Area 43.25
Mean Conc. 0.8386mg/L



Sample

Sample Name: L0708491-03 (10) MSD
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

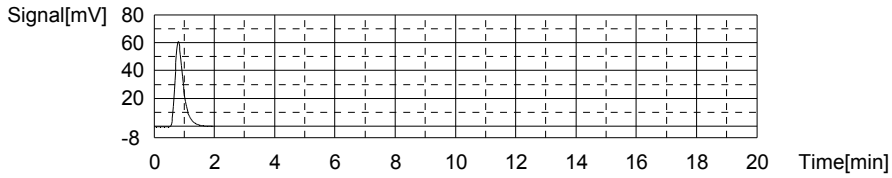
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:2.358mg/L TC:3.134mg/L IC:0.7754mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	118.2	3.134mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 08:27:53 PM

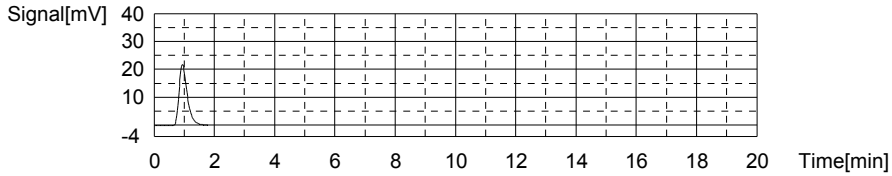
Mean Area 118.2
Mean Conc. 3.134mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	41.03	0.7754mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 08:33:27 PM

Mean Area 41.03
Mean Conc. 0.7754mg/L



Sample

Sample Name: WG248156-01 BLANK
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

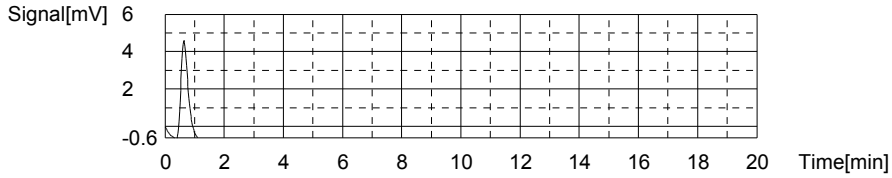
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:0.4763mg/L TC:0.3219mg/L IC:-0.1543mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.882	0.3219mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 08:39:09 PM

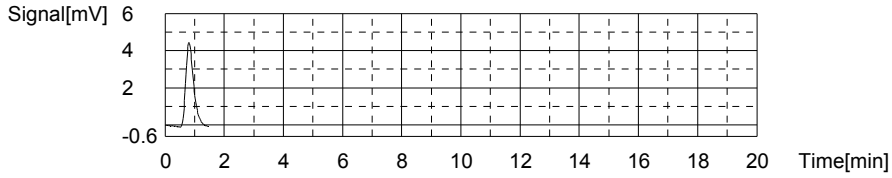
Mean Area 8.882
Mean Conc. 0.3219mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.344	-0.1543mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 08:43:36 PM

Mean Area 8.344
Mean Conc. -0.1543mg/L



Sample

Sample Name: WG248156-02 LCS
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

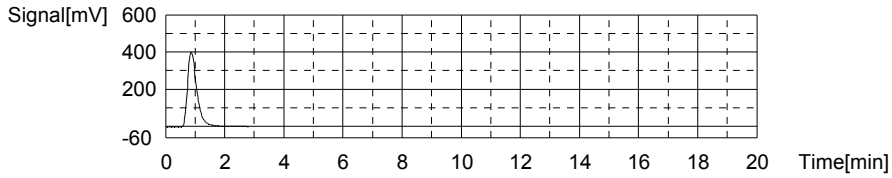
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:22.82mg/L TC:22.60mg/L IC:-0.2219mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	874.8	22.60mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 08:53:10 PM

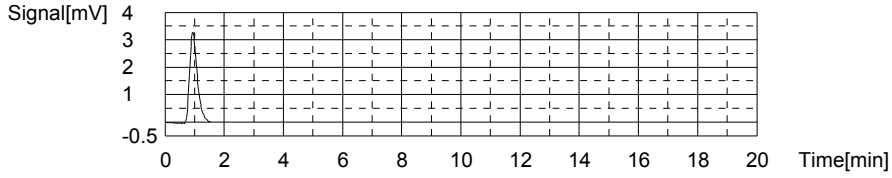
Mean Area 874.8
Mean Conc. 22.60mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.969	-0.2219mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 08:58:25 PM

Mean Area 5.969
Mean Conc. -0.2219mg/L



Sample

Sample Name: WG248156-03 LCSDUP
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

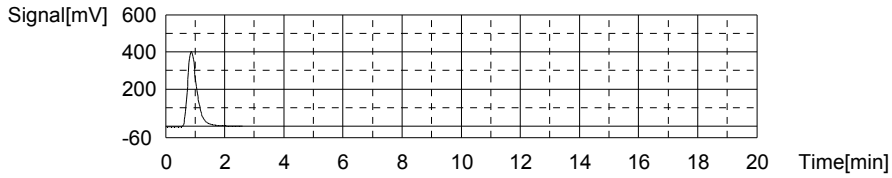
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:23.05mg/L TC:22.84mg/L IC:-0.2180mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	884.1	22.84mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 09:07:53 PM

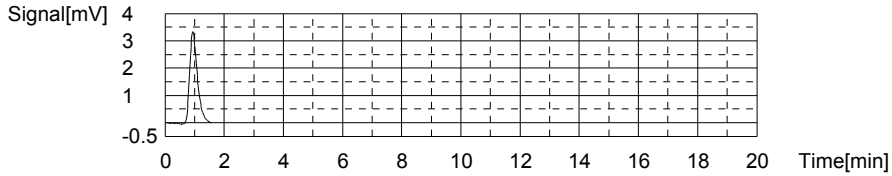
Mean Area 884.1
Mean Conc. 22.84mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.105	-0.2180mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 09:13:09 PM

Mean Area 6.105
Mean Conc. -0.2180mg/L



Sample

Sample Name: L0708491-04 (10)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

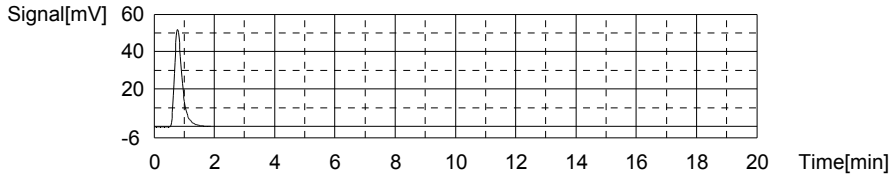
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:0.9039mg/L TC:2.482mg/L IC:1.578mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	92.87	2.482mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 09:21:54 PM

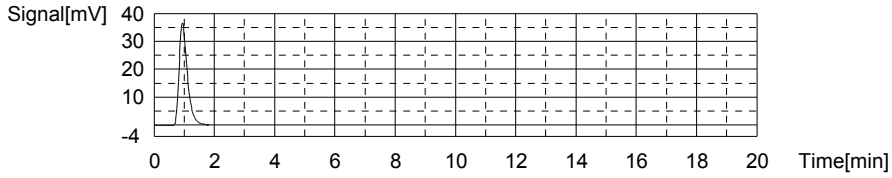
Mean Area 92.87
Mean Conc. 2.482mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	69.26	1.578mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 09:27:31 PM

Mean Area 69.26
Mean Conc. 1.578mg/L



Sample

Sample Name: L0708491-05 (10)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

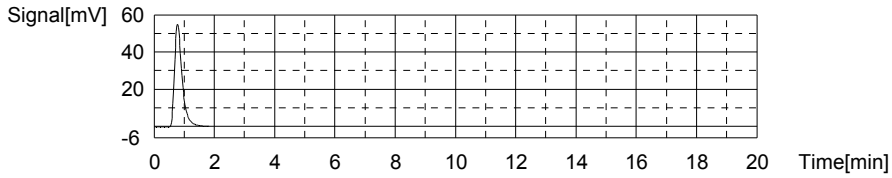
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:0.8462mg/L TC:2.570mg/L IC:1.724mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	96.29	2.570mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 09:36:12 PM

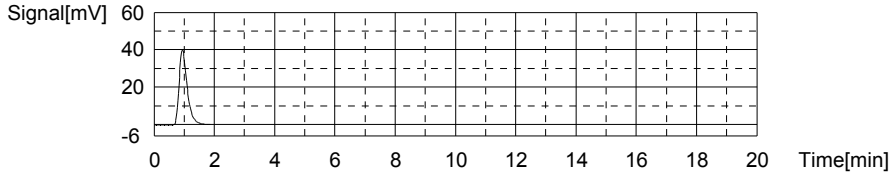
Mean Area 96.29
Mean Conc. 2.570mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	74.38	1.724mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 09:41:50 PM

Mean Area 74.38
Mean Conc. 1.724mg/L



Sample

Sample Name: CCV
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

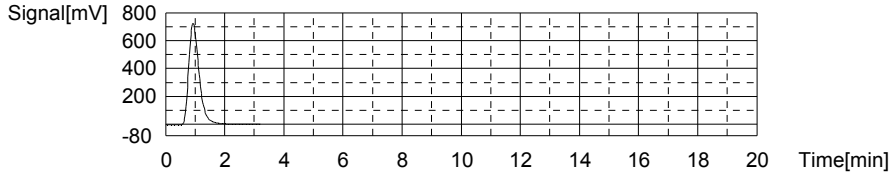
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:45.92mg/L TC:45.73mg/L IC:-0.1947mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1774	45.73mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 09:51:55 PM

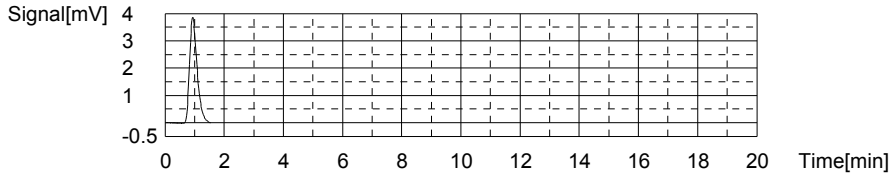
Mean Area 1774
Mean Conc. 45.73mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.924	-0.1947mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 09:57:08 PM

Mean Area 6.924
Mean Conc. -0.1947mg/L



Sample

Sample Name: CCB
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

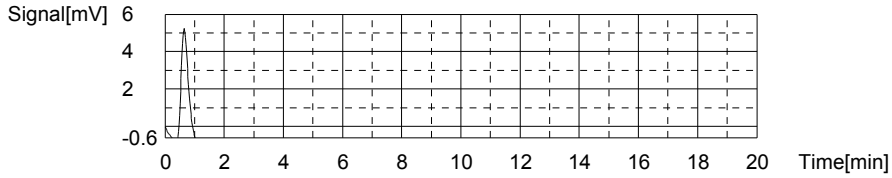
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:0.5222mg/L TC:0.3659mg/L IC:-0.1563mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.59	0.3659mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 10:02:55 PM

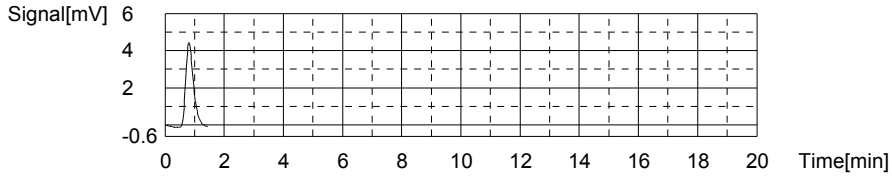
Mean Area 10.59
Mean Conc. 0.3659mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.275	-0.1563mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 10:07:20 PM

Mean Area 8.275
Mean Conc. -0.1563mg/L



Sample

Sample Name: L0708491-06 (10)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

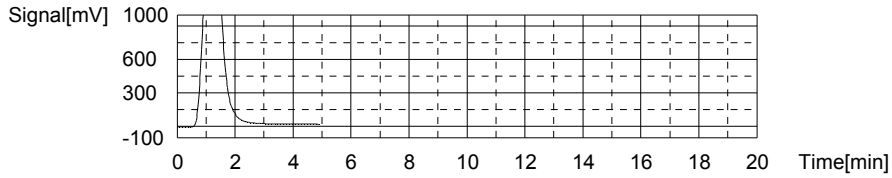
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:151.6mg/L TC:153.9mg/L IC:2.310mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5981	153.9mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 10:19:07 PM

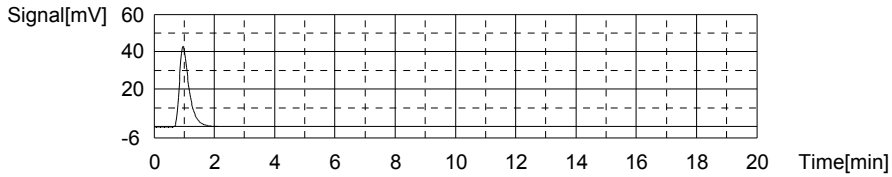
Mean Area 5981
Mean Conc. 153.9mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	94.97	2.310mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 10:25:05 PM

Mean Area 94.97
Mean Conc. 2.310mg/L



Sample

Sample Name: L0708491-07 (10)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

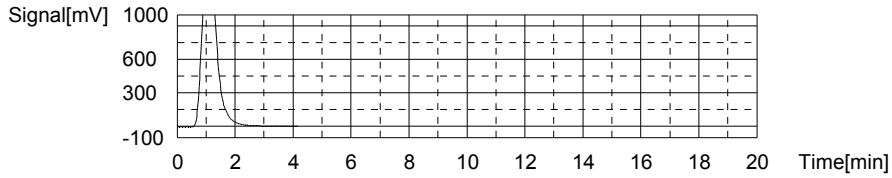
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:114.0mg/L TC:115.8mg/L IC:1.816mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4498	115.8mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 10:35:53 PM

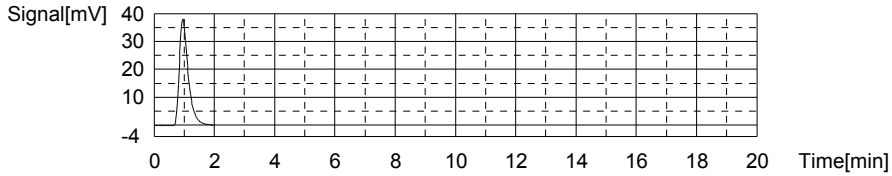
Mean Area 4498
Mean Conc. 115.8mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	77.61	1.816mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 10:41:41 PM

Mean Area 77.61
Mean Conc. 1.816mg/L



Sample

Sample Name: L0708486-01
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

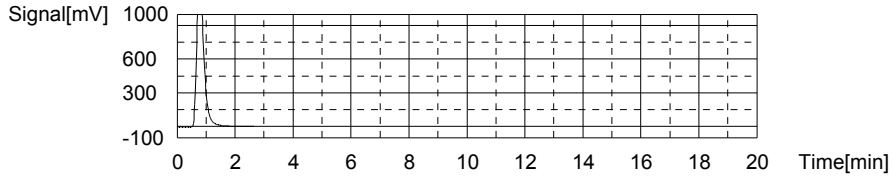
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:-3.819mg/L TC:54.19mg/L IC:58.01mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2103	54.19mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 10:51:12 PM

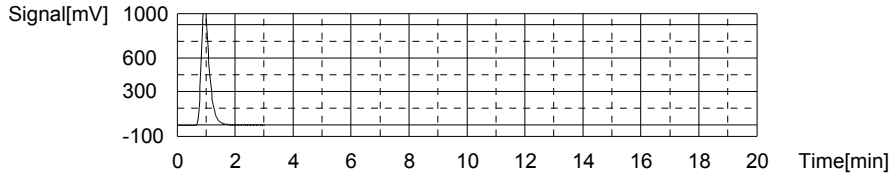
Mean Area 2103
Mean Conc. 54.19mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2053	58.01mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 10:58:38 PM

Mean Area 2053
Mean Conc. 58.01mg/L



Sample

Sample Name: L0708486-02
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

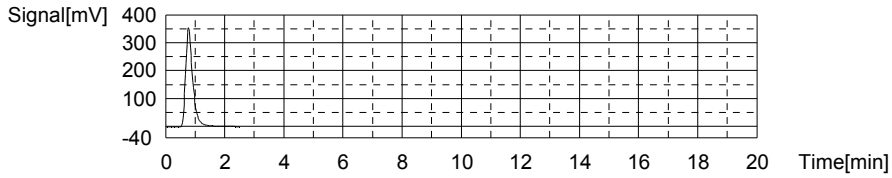
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:1.229mg/L TC:15.21mg/L IC:13.98mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	587.8	15.21mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 11:07:47 PM

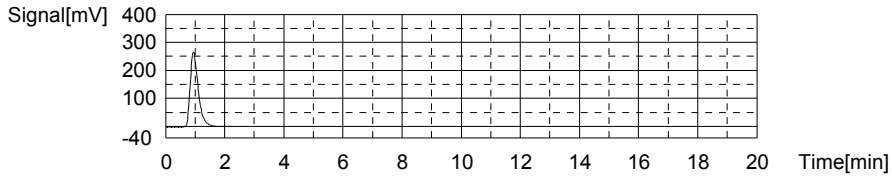
Mean Area 587.8
Mean Conc. 15.21mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	505.4	13.98mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 11:14:15 PM

Mean Area 505.4
Mean Conc. 13.98mg/L



Sample

Sample Name: L0708497-01 (10)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

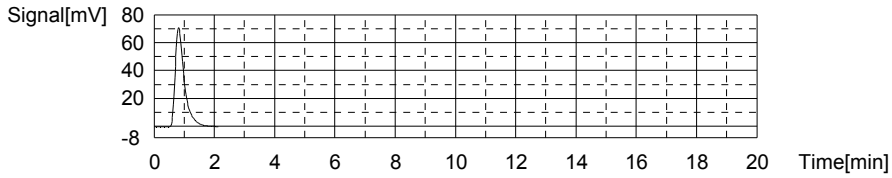
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:3.276mg/L TC:3.947mg/L IC:0.6705mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	149.8	3.947mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 11:23:01 PM

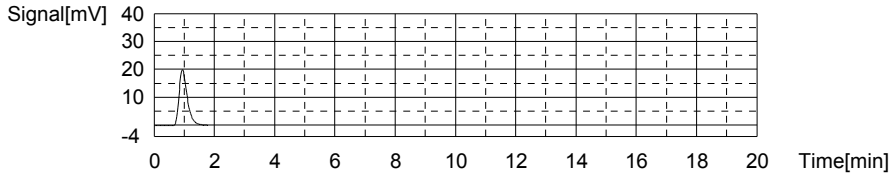
Mean Area 149.8
Mean Conc. 3.947mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	37.34	0.6705mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 11:28:37 PM

Mean Area 37.34
Mean Conc. 0.6705mg/L



Sample

Sample Name: L0708497-02 (10)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

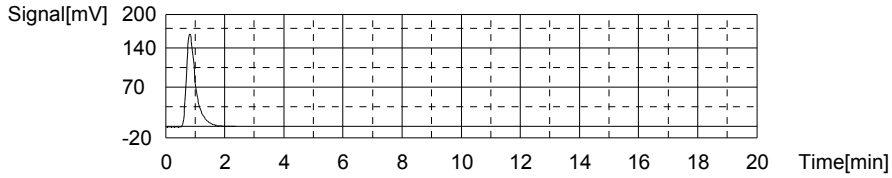
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:7.463mg/L TC:9.354mg/L IC:1.891mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	360.0	9.354mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 11:37:51 PM

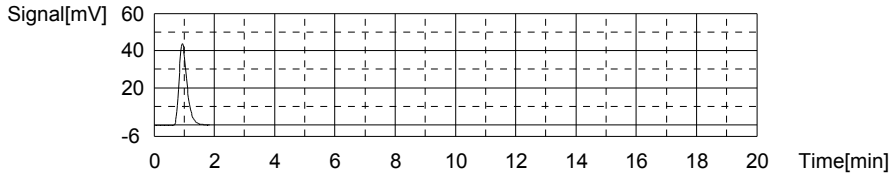
Mean Area 360.0
Mean Conc. 9.354mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	80.23	1.891mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 11:43:25 PM

Mean Area 80.23
Mean Conc. 1.891mg/L



Sample

Sample Name: L0708497-03 (10)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

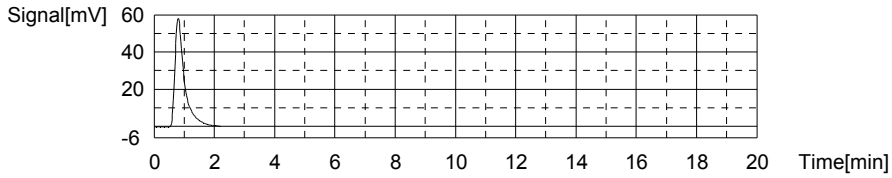
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:2.348mg/L TC:3.373mg/L IC:1.025mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	127.5	3.373mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/20/2007 11:52:30 PM

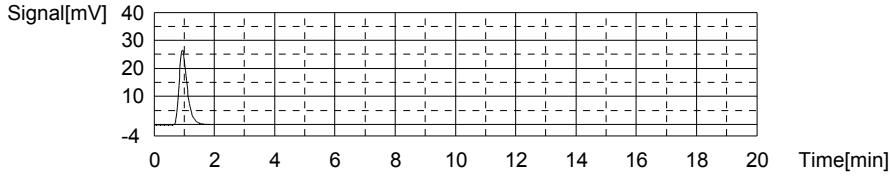
Mean Area 127.5
Mean Conc. 3.373mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	49.82	1.025mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/20/2007 11:58:03 PM

Mean Area 49.82
Mean Conc. 1.025mg/L



Sample

Sample Name: L0708497-04 (10)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

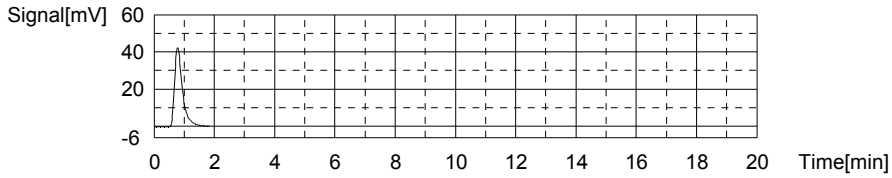
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:0.8845mg/L TC:2.087mg/L IC:1.203mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	77.52	2.087mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 12:06:47 AM

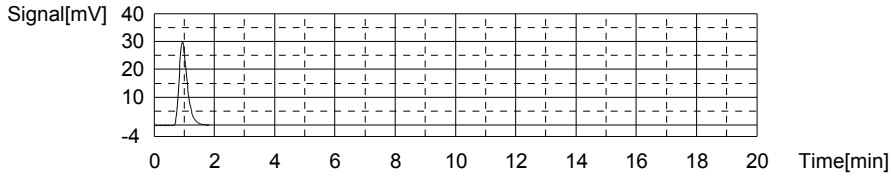
Mean Area 77.52
Mean Conc. 2.087mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	56.06	1.203mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 12:12:22 AM

Mean Area 56.06
Mean Conc. 1.203mg/L



Sample

Sample Name: WG248156-04 (10)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

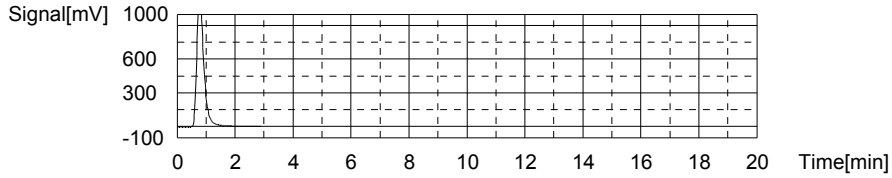
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:19.35mg/L TC:49.51mg/L IC:30.16mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1921	49.51mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 12:22:08 AM

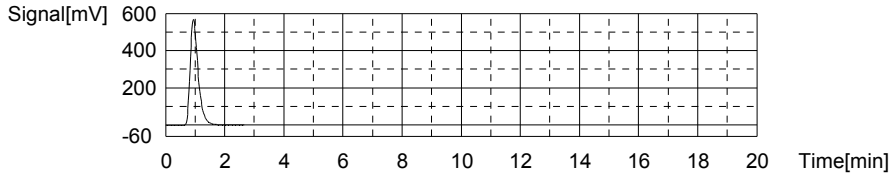
Mean Area 1921
Mean Conc. 49.51mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1074	30.16mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 12:28:59 AM

Mean Area 1074
Mean Conc. 30.16mg/L



Sample

Sample Name: WG248156-05 (10)DUP
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

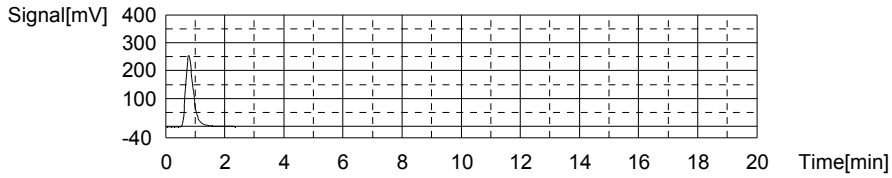
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:3.737mg/L TC:11.89mg/L IC:8.151mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	458.5	11.89mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 12:38:14 AM

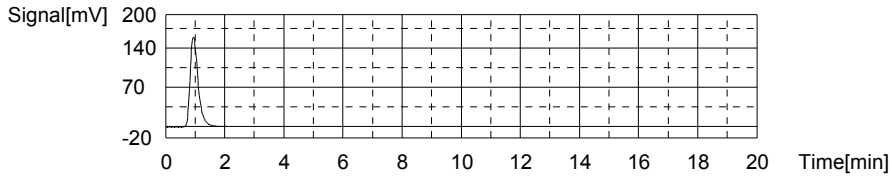
Mean Area 458.5
Mean Conc. 11.89mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	300.3	8.151mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 12:44:19 AM

Mean Area 300.3
Mean Conc. 8.151mg/L



Sample

Sample Name: CCV
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

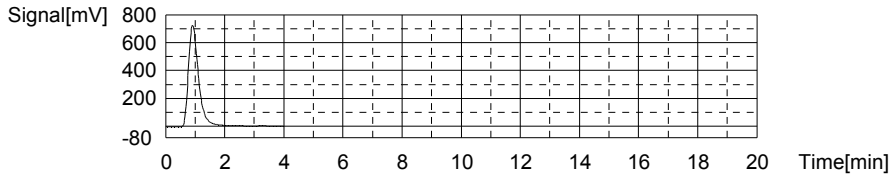
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:44.82mg/L TC:44.67mg/L IC:-0.1461mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1733	44.67mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 12:55:11 AM

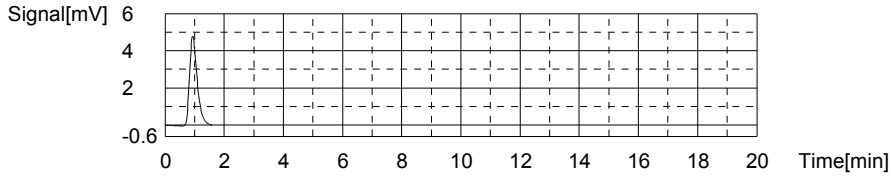
Mean Area 1733
Mean Conc. 44.67mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.632	-0.1461mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 01:00:31 AM

Mean Area 8.632
Mean Conc. -0.1461mg/L



Sample

Sample Name: CCB
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

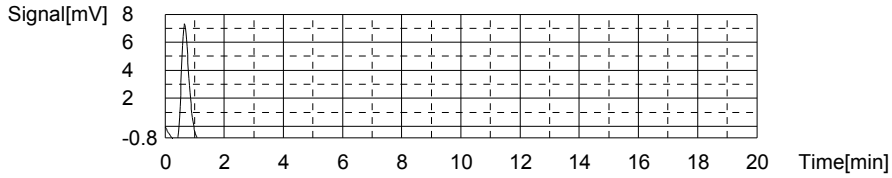
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:0.6327mg/L TC:0.4896mg/L IC:-0.1431mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	15.40	0.4896mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 01:06:21 AM

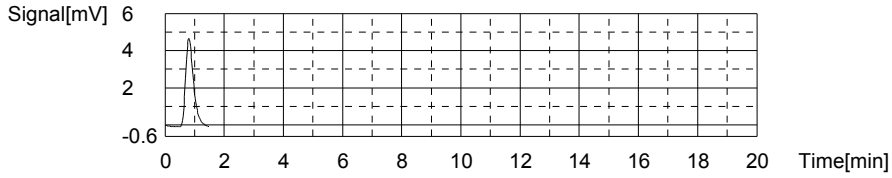
Mean Area 15.40
Mean Conc. 0.4896mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.738	-0.1431mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 01:10:49 AM

Mean Area 8.738
Mean Conc. -0.1431mg/L



Sample

Sample Name: WG248156-06 (10) MS
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

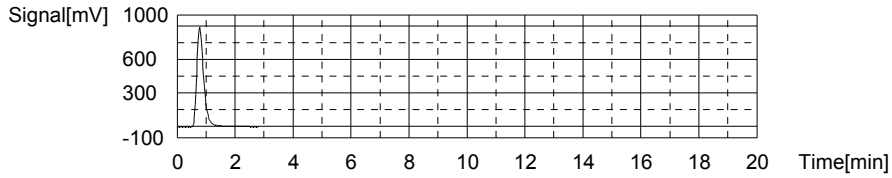
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:20.49mg/L TC:38.32mg/L IC:17.83mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1486	38.32mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 01:20:30 AM

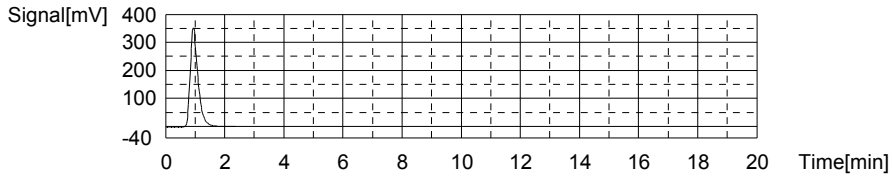
Mean Area 1486
Mean Conc. 38.32mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	640.6	17.83mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 01:27:01 AM

Mean Area 640.6
Mean Conc. 17.83mg/L



Sample

Sample Name: WG248156-07 (10) MSD
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

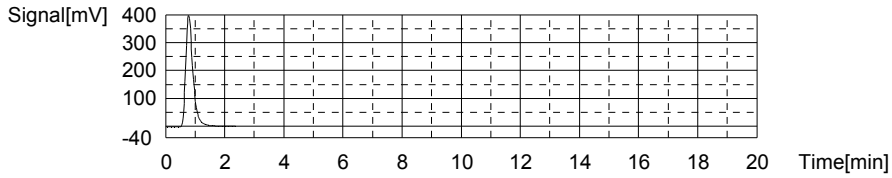
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:3.687mg/L TC:17.57mg/L IC:13.88mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	679.4	17.57mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 01:36:15 AM

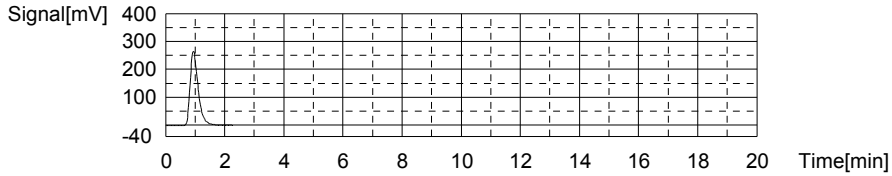
Mean Area 679.4
Mean Conc. 17.57mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	501.8	13.88mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 01:42:29 AM

Mean Area 501.8
Mean Conc. 13.88mg/L



Sample

Sample Name: L0708484-03
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

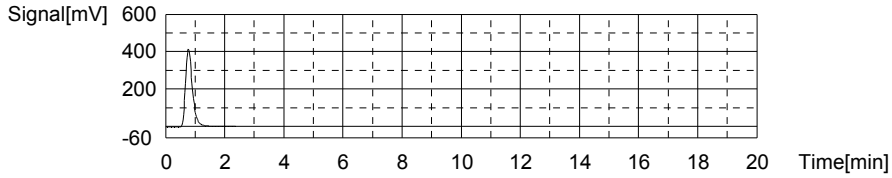
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:0.4193mg/L TC:17.46mg/L IC:17.04mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	675.0	17.46mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 01:51:44 AM

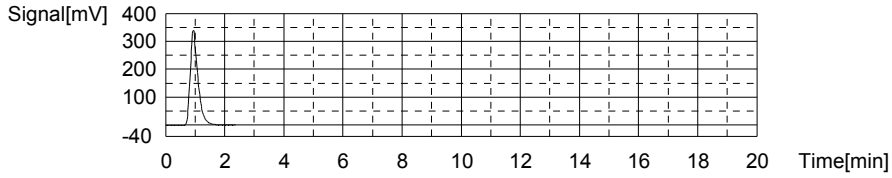
Mean Area 675.0
Mean Conc. 17.46mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	612.7	17.04mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 01:58:03 AM

Mean Area 612.7
Mean Conc. 17.04mg/L



Sample

Sample Name: L0708484-04
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

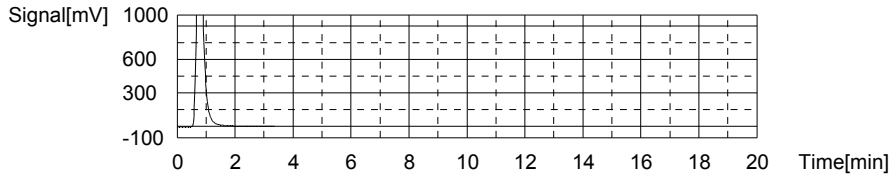
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:-11.78mg/L TC:60.57mg/L IC:72.34mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2351	60.57mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 02:08:17 AM

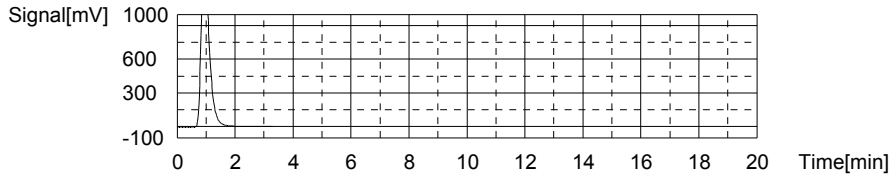
Mean Area 2351
Mean Conc. 60.57mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2557	72.34mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 02:16:12 AM

Mean Area 2557
Mean Conc. 72.34mg/L



Sample

Sample Name: L0708479-03 (3)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

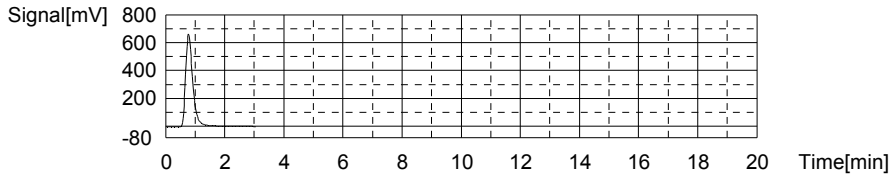
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:14.45mg/L TC:28.90mg/L IC:14.45mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1120	28.90mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 02:26:07 AM

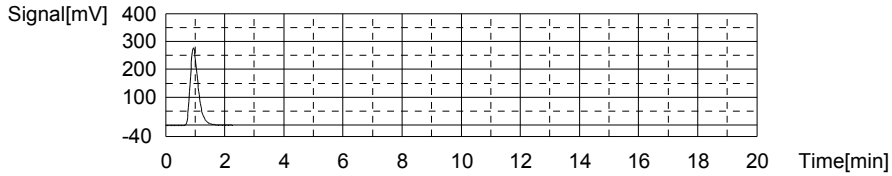
Mean Area 1120
Mean Conc. 28.90mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	521.7	14.45mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 02:32:28 AM

Mean Area 521.7
Mean Conc. 14.45mg/L



Sample

Sample Name:
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

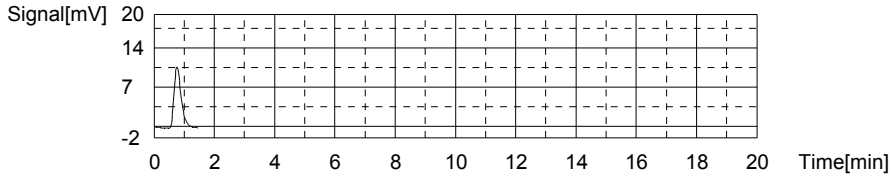
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:0.6260mg/L TC:0.5608mg/L IC:-0.06514mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	18.17	0.5608mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 02:40:48 AM

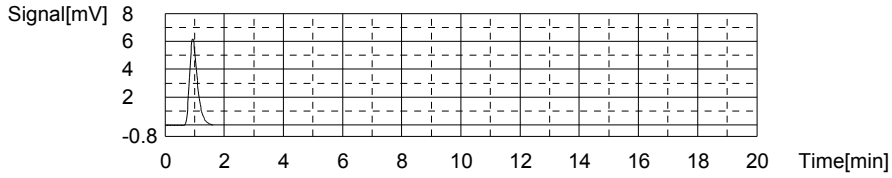
Mean Area 18.17
Mean Conc. 0.5608mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.48	-0.06514mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 02:46:12 AM

Mean Area 11.48
Mean Conc. -0.06514mg/L



Sample

Sample Name:
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

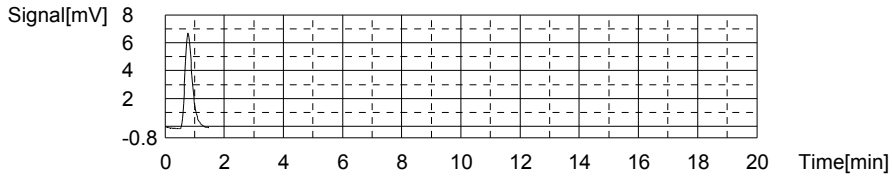
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:0.5327mg/L TC:0.3985mg/L IC:-0.1342mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.86	0.3985mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 02:54:33 AM

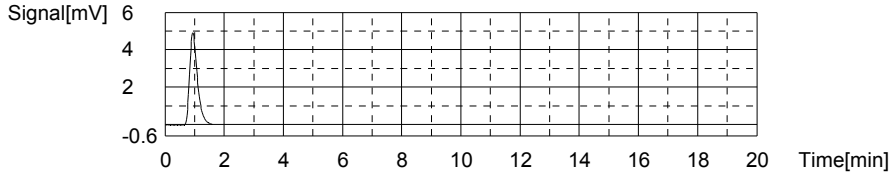
Mean Area 11.86
Mean Conc. 0.3985mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.051	-0.1342mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 02:59:52 AM

Mean Area 9.051
Mean Conc. -0.1342mg/L



Sample

Sample Name: CCV
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

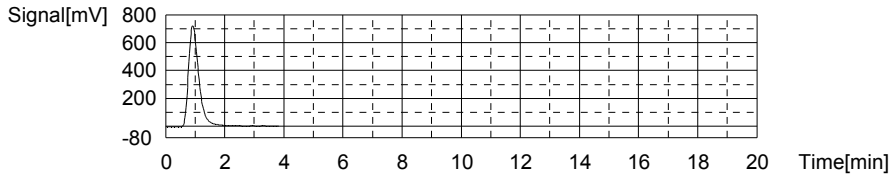
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:45.28mg/L TC:45.11mg/L IC:-0.1685mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1750	45.11mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 03:10:34 AM

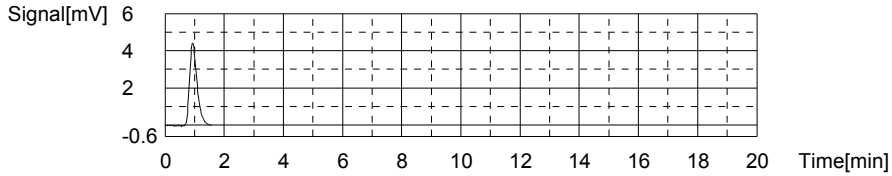
Mean Area 1750
Mean Conc. 45.11mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.848	-0.1685mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 03:15:51 AM

Mean Area 7.848
Mean Conc. -0.1685mg/L



Sample

Sample Name: CCB
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

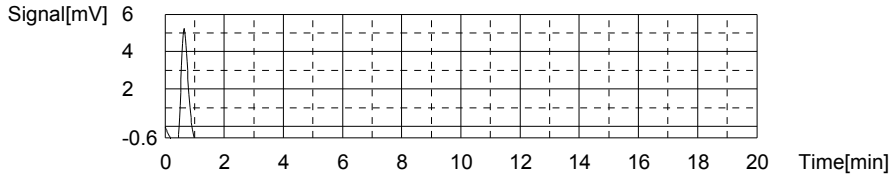
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:0.5166mg/L TC:0.3720mg/L IC:-0.1446mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.83	0.3720mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 03:21:36 AM

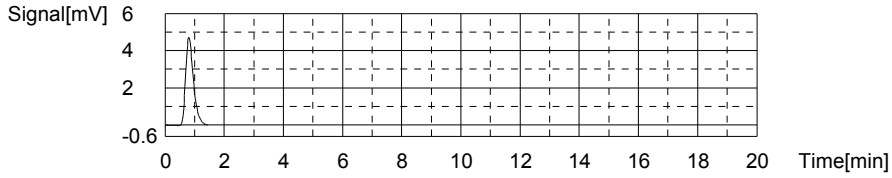
Mean Area 10.83
Mean Conc. 0.3720mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.688	-0.1446mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 03:26:05 AM

Mean Area 8.688
Mean Conc. -0.1446mg/L



WORKGROUP: WG248258

KEMRON ENVIRONMENTAL SERVICES

WG#: _____

Total Organic Carbon

MAKE DAILY

CCV (TOC): STD 20564 ($\frac{10}{200}(1000) = 50\ mg/L$) ($\frac{2}{200}(1000) = 10\ mg/L$)

CCV (TIC): STD 19753 ($\frac{5}{200}(1000) = 25\ mg/L$)

LCS (TOC): STD 20119 ($\frac{5}{200}(1000) = 25\ mg/L$)

MS (TOC): 0.4/40(1000) = 10

Calibration Curve Date: 2/26/07

☑ EPA 415.1 / SM5310-C TOC / TOC-4 / TOC-D / TOCLOW
☐ SW846 9060 TOC-14 / TOC-44

SOP: K 4151 Rev. 11

Instrument: Shimadza TOC-VWP/ASI

DAILY CHECK

☑ drain reservoir filled
☐ ASI water bottle full
☑ dilution water bottle full

☑ 3rd bottle full
☑ sufficient gas
☑ sufficient persulfate

☑ sufficient acid
☐ waste container

Position	Sample ID	Dilution
1	CCV 50	
2	CCV 10	
3	TIC 25	
4	BLK	
5	LCS 25	
6	LCSDUP	
7	08-491-06	1/50
8	07	1/50
9	08-486-01	1/2
10	08-482-01	1/20
11	DUP 01	↓
12	MS 03	↓
13	MSD 05	↓
14	08-484-04	1/3
15	CCV	
16	CCB	
17		
18		
19		
20		
21		
22		
23		
24		
25		

Position	Sample ID	Dilution
26		
27		
28		
29		
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Position	Sample ID	Dilution
51		
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75		

Analyst: Joann Pesson Date: 8/21/07 Time: _____

DCN#70649

	Analysi	Sample Name	Result	Status	Date / Time	Vial
1	TOC	CCV 50	!!Error!! TOC:46.81mg/L TC:46.60mg/L IC:-0.2140	Compl	08/21/2007 09:37:45 AM	1
2	TOC	CCV 10	!!Error!! TOC:9.461mg/L TC:9.238mg/L IC:-0.2227	Compl	08/21/2007 09:52:14 AM	2
3	TOC	TIC 25	!!Error!! TOC:-2.623mg/L TC:21.45mg/L IC:24.07m	Compl	08/21/2007 10:07:49 AM	3
4	TOC	WG248258-01 BLANK	!!Error!! TOC:0.5124mg/L TC:0.3433mg/L IC:-0.169	Compl	08/21/2007 10:18:06 AM	0
5	TOC	WG248258-02 LCS	!!Error!! TOC:22.75mg/L TC:22.54mg/L IC:-0.2040	Compl	08/21/2007 10:32:26 AM	5
6	TOC	WG248258-03 LCSDUP	!!Error!! TOC:22.45mg/L TC:22.25mg/L IC:-0.2029	Compl	08/21/2007 10:46:49 AM	6
7	TOC	L0708491-06 (50)	TOC:47.18mg/L TC:48.22mg/L IC:1.039mg/L	Compl	08/21/2007 11:24:12 AM	7
8	TOC	L0708491-07 (50)	TOC:28.83mg/L TC:29.70mg/L IC:0.8716mg/L	Compl	08/21/2007 11:39:14 AM	8
9	TOC	L0708486-01 (2)	!!Error!! TOC:-0.8544mg/L TC:45.26mg/L IC:46.12	Compl	08/21/2007 11:55:28 AM	9
10	TOC	L0708482-01 (20)	TOC:1.698mg/L TC:11.08mg/L IC:9.379mg/L	Compl	08/21/2007 12:10:27 PM	10
11	TOC	WG248258-05 (20) DUP	TOC:1.271mg/L TC:10.73mg/L IC:9.459mg/L	Compl	08/21/2007 12:25:18 PM	11
12	TOC	L0708482-03 (20) MS	TOC:4.076mg/L TC:15.08mg/L IC:11.00mg/L	Compl	08/21/2007 12:40:21 PM	12
13	TOC	L0708248-05 (20) MSD	TOC:1.665mg/L TC:9.397mg/L IC:7.732mg/L	Compl	08/21/2007 12:55:03 PM	13
14	TOC	L0708484-04 (3)	!!Error!! TOC:-2.255mg/L TC:29.47mg/L IC:31.72m	Compl	08/21/2007 01:11:00 PM	14
15	TOC	CCV	!!Error!! TOC:46.20mg/L TC:46.03mg/L IC:-0.1664	Compl	08/21/2007 01:25:42 PM	15
16	TOC	CCB	!!Error!! TOC:0.4820mg/L TC:0.2937mg/L IC:-0.188	Compl	08/21/2007 01:35:54 PM	0

Instr.Information

System TOCVW ASI
Detector Wet Chemical

Sample

Sample Name: CCV 50
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

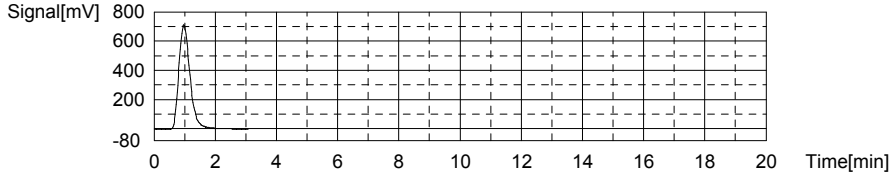
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:46.81mg/L TC:46.60mg/L IC:-0.2140mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1808	46.60mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 09:32:23 AM

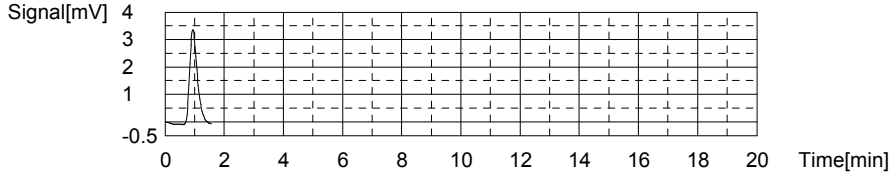
Mean Area 1808
Mean Conc. 46.60mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.246	-0.2140mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 09:37:45 AM

Mean Area 6.246
Mean Conc. -0.2140mg/L



Sample

Sample Name: CCV 10
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

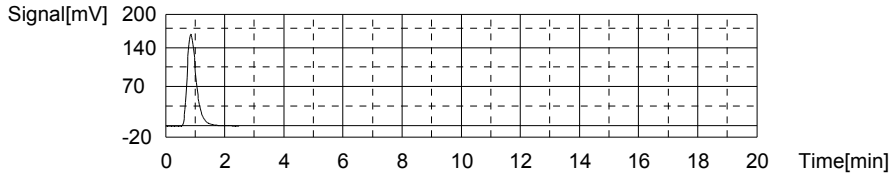
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:9.461mg/L TC:9.238mg/L IC:-0.2227mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	355.5	9.238mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 09:47:03 AM

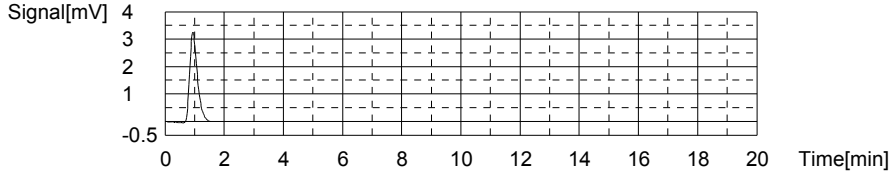
Mean Area 355.5
Mean Conc. 9.238mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.941	-0.2227mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 09:52:14 AM

Mean Area 5.941
Mean Conc. -0.2227mg/L



Sample

Sample Name: TIC 25
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

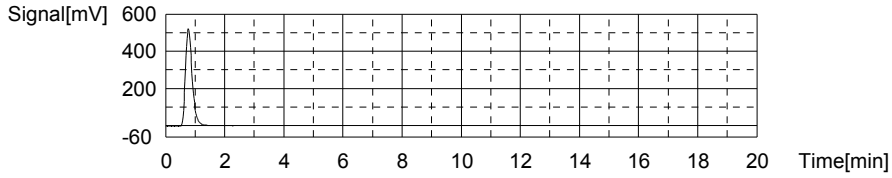
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:-2.623mg/L TC:21.45mg/L IC:24.07mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	830.3	21.45mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 10:01:08 AM

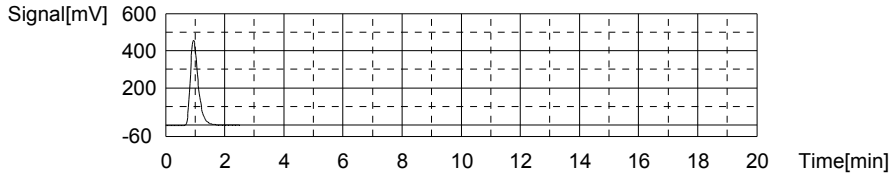
Mean Area 830.3
Mean Conc. 21.45mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	860.1	24.07mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 10:07:49 AM

Mean Area 860.1
Mean Conc. 24.07mg/L



Sample

Sample Name: WG248258-01 BLANK
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

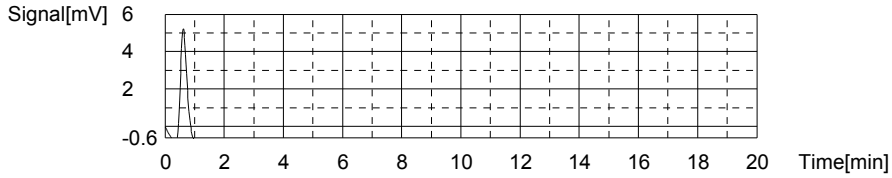
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:0.5124mg/L TC:0.3433mg/L IC:-0.1691mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.715	0.3433mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 10:13:35 AM

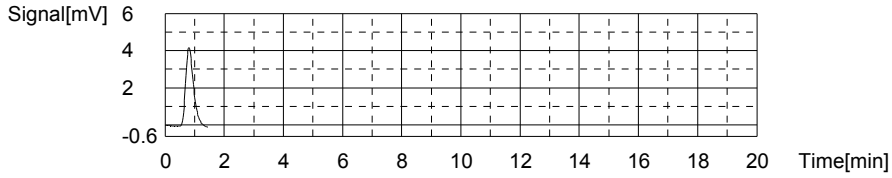
Mean Area 9.715
Mean Conc. 0.3433mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.825	-0.1691mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 10:18:06 AM

Mean Area 7.825
Mean Conc. -0.1691mg/L



Sample

Sample Name: WG248258-02 LCS
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

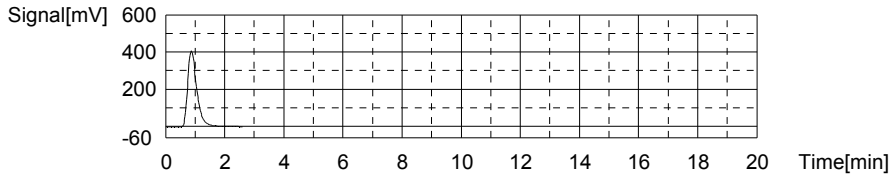
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:22.75mg/L TC:22.54mg/L IC:-0.2040mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	872.8	22.54mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 10:27:18 AM

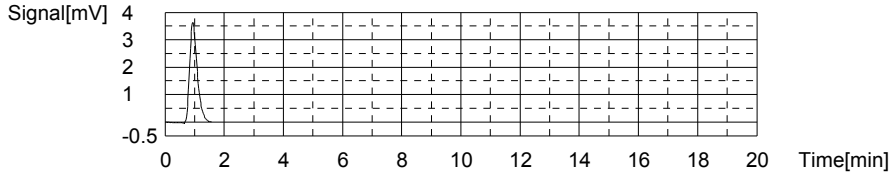
Mean Area 872.8
Mean Conc. 22.54mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.599	-0.2040mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 10:32:26 AM

Mean Area 6.599
Mean Conc. -0.2040mg/L



Sample

Sample Name: WG248258-03 LCSDUP
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

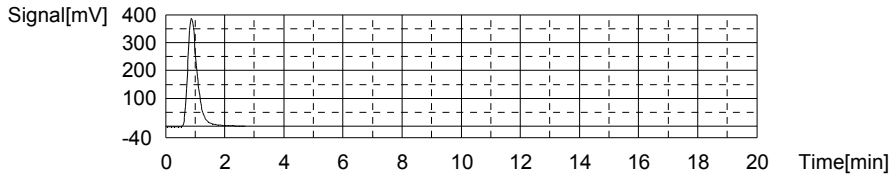
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:22.45mg/L TC:22.25mg/L IC:-0.2029mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	861.3	22.25mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 10:41:44 AM

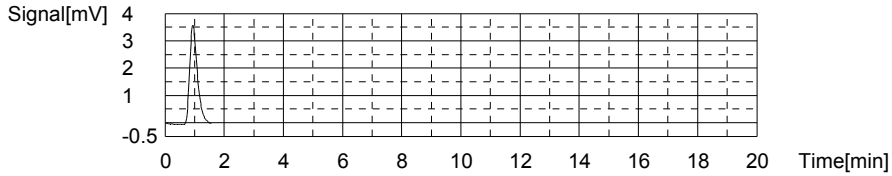
Mean Area 861.3
Mean Conc. 22.25mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.636	-0.2029mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 10:46:49 AM

Mean Area 6.636
Mean Conc. -0.2029mg/L



Sample

Sample Name: L0708491-06 (50)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

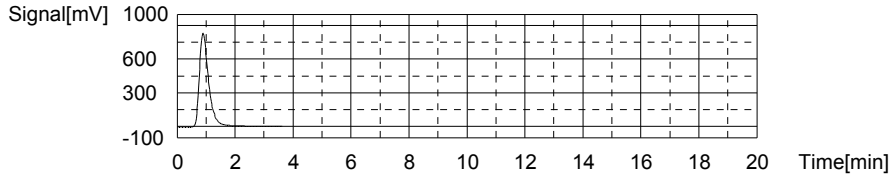
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:47.18mg/L TC:48.22mg/L IC:1.039mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1871	48.22mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 11:16:24 AM

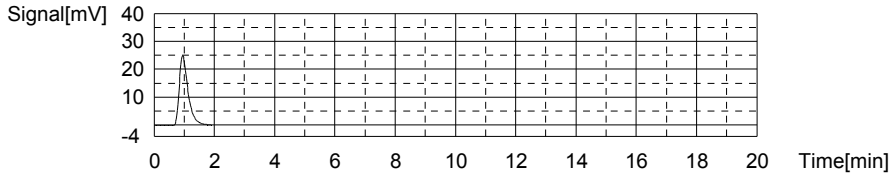
Mean Area 1871
Mean Conc. 48.22mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	50.30	1.039mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 11:24:12 AM

Mean Area 50.30
Mean Conc. 1.039mg/L



Sample

Sample Name: L0708491-07 (50)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

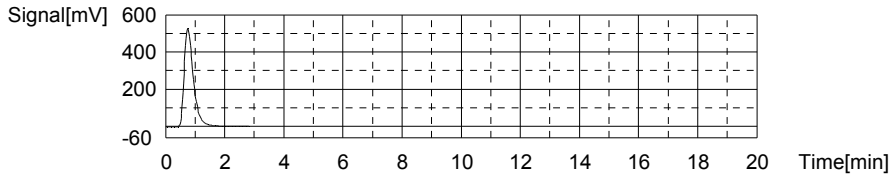
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:28.83mg/L TC:29.70mg/L IC:0.8716mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1151	29.70mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 11:33:52 AM

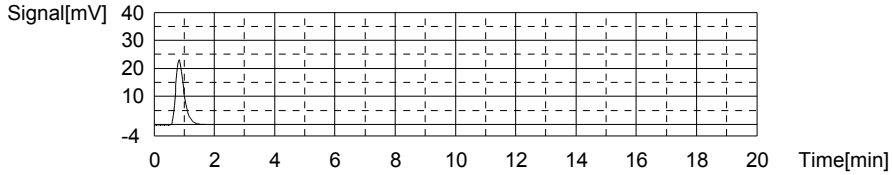
Mean Area 1151
Mean Conc. 29.70mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	44.41	0.8716mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 11:39:14 AM

Mean Area 44.41
Mean Conc. 0.8716mg/L



Sample

Sample Name: L0708486-01 (2)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

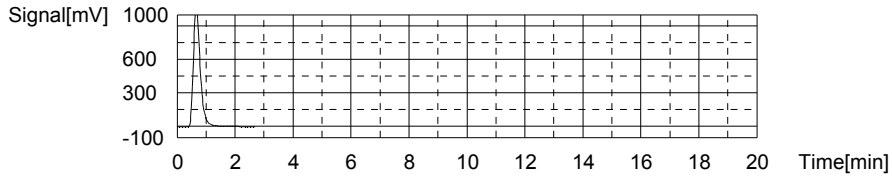
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:-0.8544mg/L TC:45.26mg/L IC:46.12mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1756	45.26mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 11:48:38 AM

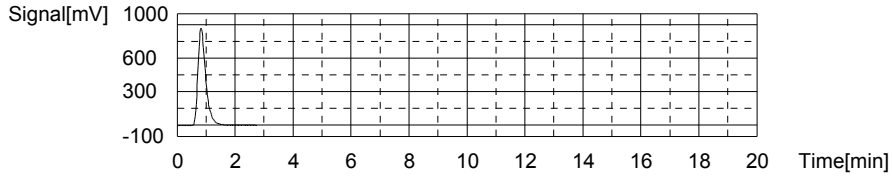
Mean Area 1756
Mean Conc. 45.26mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1635	46.12mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 11:55:28 AM

Mean Area 1635
Mean Conc. 46.12mg/L



Sample

Sample Name: L0708482-01 (20)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

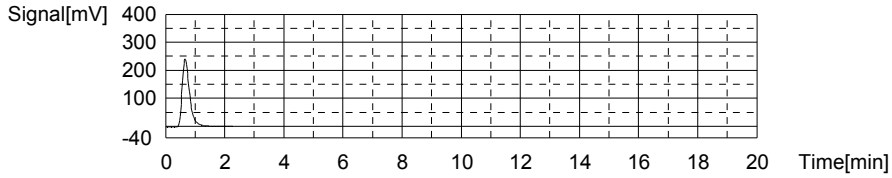
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:1.698mg/L TC:11.08mg/L IC:9.379mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	427.0	11.08mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 12:04:28 PM

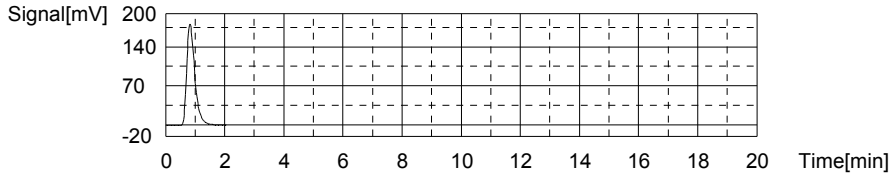
Mean Area 427.0
Mean Conc. 11.08mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	343.5	9.379mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 12:10:27 PM

Mean Area 343.5
Mean Conc. 9.379mg/L



Sample

Sample Name: WG248258-05 (20) DUP
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

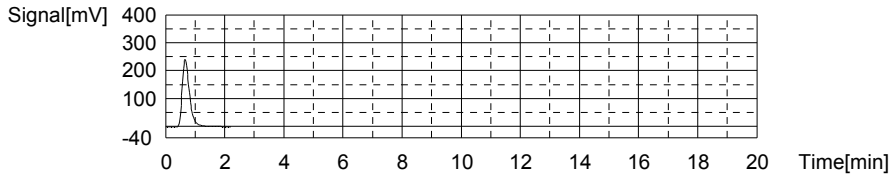
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:1.271mg/L TC:10.73mg/L IC:9.459mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	413.5	10.73mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 12:19:16 PM

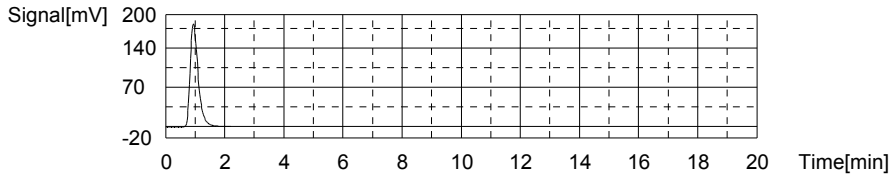
Mean Area 413.5
Mean Conc. 10.73mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	346.3	9.459mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 12:25:18 PM

Mean Area 346.3
Mean Conc. 9.459mg/L



Sample

Sample Name: L0708482-03 (20) MS
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

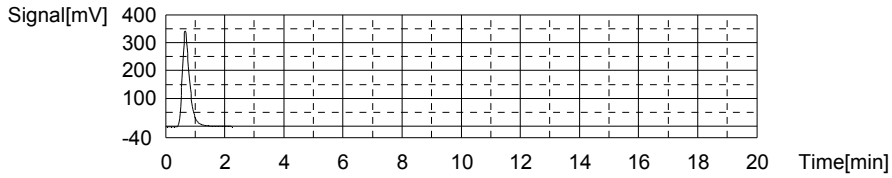
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:4.076mg/L TC:15.08mg/L IC:11.00mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	582.5	15.08mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 12:34:17 PM

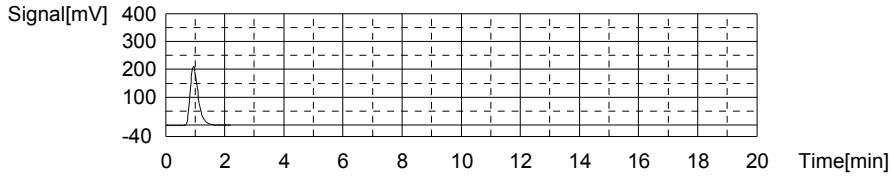
Mean Area 582.5
Mean Conc. 15.08mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	400.5	11.00mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 12:40:21 PM

Mean Area 400.5
Mean Conc. 11.00mg/L



Sample

Sample Name: L0708248-05 (20) MSD
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

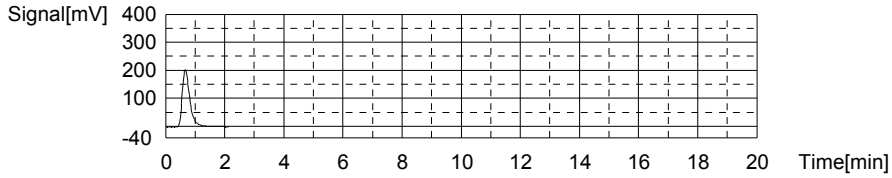
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	TOC:1.665mg/L TC:9.397mg/L IC:7.732mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	361.7	9.397mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 12:49:11 PM

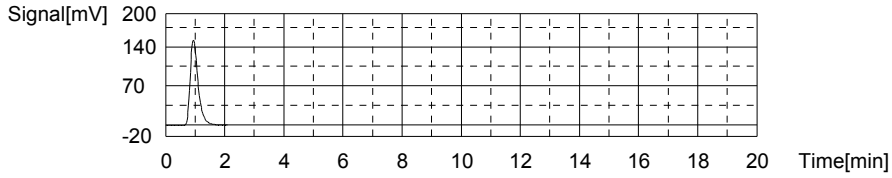
Mean Area 361.7
Mean Conc. 9.397mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	285.6	7.732mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 12:55:03 PM

Mean Area 285.6
Mean Conc. 7.732mg/L



Sample

Sample Name: L0708484-04 (3)
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

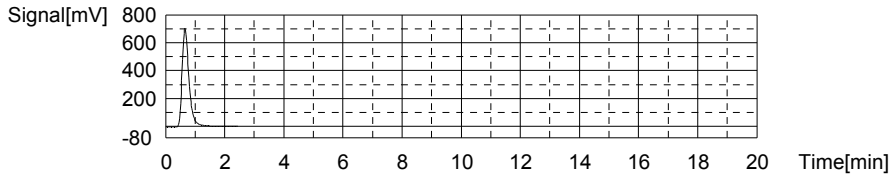
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:-2.255mg/L TC:29.47mg/L IC:31.72mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1142	29.47mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 01:04:06 PM

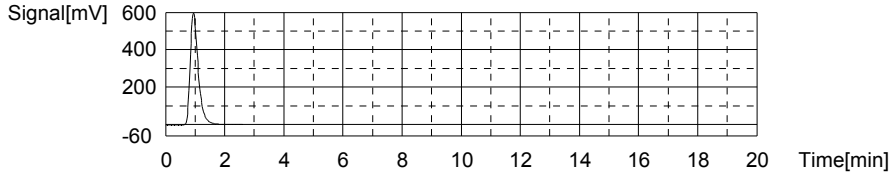
Mean Area 1142
Mean Conc. 29.47mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1129	31.72mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 01:11:00 PM

Mean Area 1129
Mean Conc. 31.72mg/L



Sample

Sample Name: CCV
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

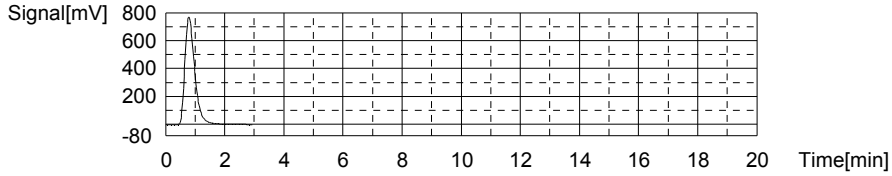
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:46.20mg/L TC:46.03mg/L IC:-0.1664mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1786	46.03mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 01:20:31 PM

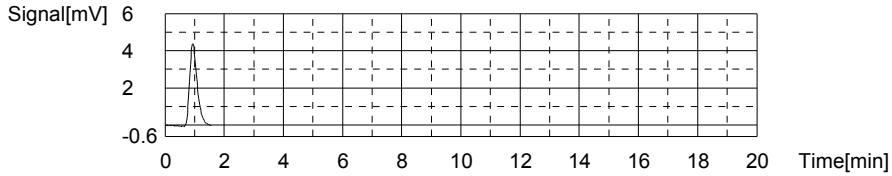
Mean Area 1786
Mean Conc. 46.03mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.920	-0.1664mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 01:25:42 PM

Mean Area 7.920
Mean Conc. -0.1664mg/L



Sample

Sample Name: CCB
Sample ID: <Untitled>
Origin: TOC-02-26-2007.met
Status Completed
Chk. Result

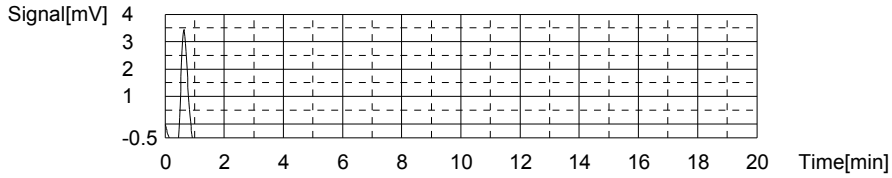
Type	Anal.	Dil.	Result
Unknown	TOC	1.000	!!Error!! TOC:0.4820mg/L TC:0.2937mg/L IC:-0.1883mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.784	0.2937mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	08/21/2007 01:31:27 PM

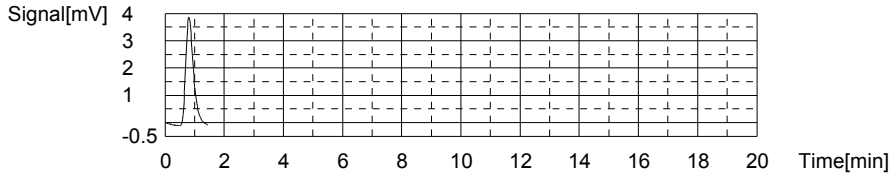
Mean Area 7.784
Mean Conc. 0.2937mg/L



Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.149	-0.1883mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	08/21/2007 01:35:54 PM

Mean Area 7.149
Mean Conc. -0.1883mg/L



3.0 Attachments

Kemron Environmental Services
Analyst Listing
August 31, 2007

AJF - AMANDA J. FICKIESEN
AJM - ANTHONY J. MOSSBURG
ALB - ANNIE L. BOCK
ARA - ADRIAN R. ACHTERMANN
ASP - AARON S. PETRIE
BRG - BRENDA R. GREGORY
CAA - CASSIE A. AUGENSTEIN
CAF - CHERYL A. FLOWERS
CEB - CHAD E. BARNES
CLC - CHRYS L. CRAWFORD
CLS - CARA L. STRICKLER
CLW - CHARISSA L. WINTERS
CM - CHARLIE MARTIN
CMS - CRYSTAL M. STEPHENS
CPD - CHAD P. DAVIS
CSH - CHRIS S. HILL
DD - DIANE M. DENNIS
DDE - DEBRA D. ELLIOTT
DEL - DON E. LIGHTFRITZ
DEV - DAVID E. VANDENBERG
DGB - DOUGLAS G. BUTCHER
DIH - DEANNA I. HESSON
DLB - DAVID L. BUMGARNER
DLP - DOROTHY L. PAYNE
DLR - DIANNA L. RAUCH
DR - DEANNA ROBERTS
DRP - DAVE R. PITZER
DSF - DEBRA S. FREDERICK
DST - DENNIS S. TEPE
ECL - ERIC C. LAWSON
ED - EMILY E. DECKER
ERE - ERIN R. ELDER
FJB - FRANCES J. BOLDEN
HAV - HEMA VILASAGAR
HJR - HOLLY J. REED
JAB - JUANITA A. BECKER
JAL - JOHN A. LENT
JCO - JOE C. OWENS
JDH - JUSTIN D. HESSON
JKP - JACQUELINE K. PARSONS
JKT - JANE K. THOMPSON
JWR - JOHN W. RICHARDS
JWS - JACK W. SHEAVES
JYH - JI Y. HU
KCZ - KEVIN C. ZUMBRO
KEB - KATHRYN E. BARNES
KHR - KIM H. RHODES
KJW - KATIE J. WIEFERICH
KRA - KATHY R. ALBERTSON
KRV - KATHRINE R. VICKERS
LKN - LINDA K. NEDEFF
LSB - LESLIE S. BUCINA
MDA - MIKE D. ALBERTSON
MDC - MICHAEL D. COCHRAN
MES - MARY E. SCHILLING
MKZ - MARILYN K. ZUMBRO
MLR - MARY L. ROCHOTTE
MMB - MAREN M. BEERY
MRT - MICHELLE R. TAYLOR
MSW - MATT S. WILSON
NJB - NATALIE J. BOOTH
PJM - PAUL J. MILLER
RAH - ROY A. HALSTEAD
RB - ROBERT BUCHANAN
REK - ROBERT E. KYER
RLK - ROBIN L. KLINGER
RNP - RICK N. PETTY
RWC - RODNEY W. CAMPBELL
SLM - STEPHANIE L. MOSSBURG
SLP - SHERI L. PFALZGRAF
SMH - SHAUNA M. HYDE
TDH - TRICIA D. HUCK
TMB - TIFFANY M. BAILEY
TMM - TAMMY M. MORRIS
VC - VICKI COLLIER
WFM - WALTER F. MARTIN

KEMRON Environmental Services

List of Valid Qualifiers

August 31, 2007

Qualkey: DOD

Qualifier	Description
B	Analyte present in method blank
J	Estimated ; the analyte concentration was greater than the highest standard
J	Estimated ; the analyte concentration was less than the low standard (LOQ)
J	Estimated concentration; sample matrix interference
N	Nontarget analyte; the analyte is a tentativlely identified compound (TIC) by GC/MS
Q	Fails to meet quality control criteria
U	Analyte was not detected. The concentration is at or below the reported MDL.
U	Undetected; the analyte was analyzed for, but not detected.
UJ	Undetected; the analyte was analyzed for, but not detected.
UQ	Undetected; the analyte was analyzed for, but not detected.

*****Special Notes for Organic Analytes**

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound an are matrix dependent.

PEL Laboratories, Inc.

Chain of Custody Record
Record/Work Request

Kemron

4420 Pendola Point Road
Tampa, Florida 33619
(813) 247-2805 • Fax: (813) 248-1537
E-Mail: login@Pelab.com

Company: PEL

Address:

Phone: Fax:

Project Name/Number: 2507372 (CHZM/NTC Orlando OU-2)

Project Manager: Darcy Weisman

Purchase Order:

Page of

DEP Form #: 62-770.900(2)
Form Title: Chain of Custody Record
Effective Date: September 23, 1997
FDEP Facility No.
Project Name:
Sampling CompQAP No:
Approval Date:

Print Names(s) / Affiliation

Sampler(s) Signature(s)

Preservatives (see codes)

Analyses Requested

REQUESTED DUE DATE 8/29/07

Item No.	Field ID No.	Sampled Date	Sampled Time	Grab or Composite	Matrix (see codes)	Number of Containers	Alkalinity	TOC	TDS						Remarks	Lab. No.
	T005MW40A	8/15/07	1340		W	3	X	X	X						2507372-01	
	T005MW40AMS	8/15/07	1340	(MS)	W	1		X							-02	
	T005MW40AMSD	8/15/07	1340	(MSD)	W	1		X							-03	
	T005MW40B	8/15/07	1415		W	3	X	X	X						-04	
	T005FD02	8/15/07	—		W	3	X	X	X						-05	
	T005IW2A	8/15/07	1632		W	2	X	X							-06	
	T005IW2B	8/15/07	1630		W	2	X	X							-07	

Shipment Method

← Total Number of Containers

Out: / /	Via:	Item Nos.	Relinquished by / Affiliations	Date	Time	Accepted by / Affiliation	Date	Time
Returned: / /	Via.		[illegible]	8/16/07	1555	Erin Elder	8-17-07	1000
Additional Comments:								
Level III + EDD								

Cooler No. (s) / Temperature(s) (C)	Sampling Kit No.	Equipment ID No.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify)

PRESERVATION CODES: H-Hydrochloric acid + ice I = Ice only N = Nitric acid + ice S = Sulfuric acid + ice O = Other (specify)

CH2MHILL Constructors, Inc.
115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

2507372 EC

[1] COC NUMBER: OU20807-PEL-1

[2] PROJECT NAME:	[5] PROJECT NUMBER:	[8] LAB NAME AND CONTACT:	[11] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No. , and Fax No.):
NTC Orlando	283383.10.10	Darcy Weisman/ PEL labs	Kama White CH2M Hill CCI	North Park 400, 1000 Abenathy Rd, Suite 1600 Atlanta Ga. 30328
[3] PROJECT PHASE/SITE/TASK:	[6] CTO OR DO NUMBER:	[9] LAB PO NUMBER:	[12] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No. , and Fax No.):
OU-2	TO-05	808799		
[4] PROJECT CONTACT:	[7] PROJECT TEL NO AND FAX NO:	[10] LAB TEL NO AND FAX NO:	[13] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No. , and Fax No.):
Bethany Garvey	770-604-9182	813-247-2085		

[23] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SOP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	VOC's 8260B	ALk alinity	TOC	TRPH	Metals, Na	TDS				[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	TO05MW40A	OLD-OU2-40A	W	8/15/7	1340	C	14	3	1	1	1	1	1				N	Post injection sampling	01
2	TO05MW40AMS	Matrix Spike	W	8/15/7	1340	C	14	3		1	1	1					M		02
3	TO05MW40AMSD	Matrix Spike Dupe	W	8/15/7	1340	C	14	3		1	1	1					MSD		03
4	TO05MW40B	OLD-OU2-40B	W	8/15/7	1415	C	14	3	1	1	1	1	1				N		04
5	TO05FD02	Field dupe	W	8/15/7	—	C	14	3	1	1	1	1	1				FD		05
6	~~TO05MW48A~~	~~OLD-OU2-48A~~	~~W~~			~~C~~	~~14~~		~~1~~	~~1~~							~~N~~	not collected	MS 8/15/7
7	~~TO05MW48B~~	~~OLD-OU2-48B~~	~~W~~			~~C~~	~~14~~		~~1~~	~~1~~							~~N~~	not collected	MS 8/15/7
8	~~TO05MW44A~~	~~OLD-OU2-44A~~	~~W~~			~~C~~	~~14~~		~~1~~	~~1~~							~~N~~	Please note New Mailing Address. not collected	
9	~~TO05MW44B~~	~~OLD-OU2-44B~~	~~W~~			~~C~~	~~14~~		~~1~~	~~1~~							~~N~~	not collected	MS 8/15/7
10	TO05IW2A	OLD-OU2-IW2A	W	8/15/7	1632	C	14		1	1							N	Caution samples maybe high VOC's	06

[29] SAMPLER(S) AND COMPANY: (please print)
Mark Stinnett, Sara Vaughn CH2M hill

[30] COURIER AND SHIPPING NUMBER:
8604 2607 9609 FedEx

[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):
TOC, Alkalinity, TDS so Spectrum
(cc's 0.3°C, pH<2 8260B, 6010, FURO)

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature: Mark Stinnett	8/15/7	18454	Printed Name and Signature:	8/16/07	1020
Printed Name and Signature:			Printed Name and Signature: Erin Elder	~~8-16-07~~ 8-17-07 EC	1000
Printed Name and Signature:			Printed Name and Signature:		

Distribution: [ ] Original - Laboratory (To be returned with Analytical Report); [ ] Copy 1 - Project File; [ ] Copy 2 - PMO

Form CC1001, Rev 06/00

CH2MHILL Constructors, Inc.
115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

250 7372 KC

[1] COC NUMBER: OU2060807-2

[2] PROJECT NAME:	[5] PROJECT NUMBER:	[8] LAB NAME AND CONTACT:	[11] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No. , and Fax No.):
NTC Orlando	283383.10.10	Darcy Weisman/ PEL labs	Kama White CH2M Hill CCI	North Park 400, 1000 Abenathy Rd, Suite 1600 Atlanta Ga. 30328
[3] PROJECT PHASE/SITE/TASK:	[6] CTO OR DO NUMBER:	[9] LAB PO NUMBER:	[12] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No. , and Fax No.):
OU-2	TO-05	808799		
[4] PROJECT CONTACT:	[7] PROJECT TEL NO AND FAX NO:	[10] LAB TEL NO AND FAX NO:	[13] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No. , and Fax No.):
Bethany Garvey	770-604-9182	813-247-2085		

[23] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SOP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	VOC's 8260B	TOC	ALKalinity							[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	TO05IW2B	OLD-OU2-IW2B	W	8/15/7	1630	C	14		1	1							N	Post injection sampling	07
2	TO05EB1	Equipment BLK	W	8/15/7	1705	C	14	3									EB		08
3	TO05TB1	Trip Blk	W	8/15/7	—	C	14	1									TB		09
4																			
5																			
6																			
7																			
8																		Please note New Mailing Address.	
9																			
10																			

[29] SAMPLER(S) AND COMPANY: (please print)
Mark Stinnett, Sara Vaughn CH2M hill

[30] COURIER AND SHIPPING NUMBER:
8604 2607 9609 Fedex

[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):
TOC, Alkalinity, TDS to Spectrum
rec'd @ 3.9C, pH <2 (8260 (HCL, PPRO)

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature: Mark Stinnett	8/15/7	1845h	Printed Name and Signature: Daniel Pa	8/16/07	1020
Printed Name and Signature:			Printed Name and Signature: Brian Elder 8-17-07 1000		
Printed Name and Signature:			Printed Name and Signature:		

Form CCIII

KEMRON Environmental Services

SAMPLE RECEIPT FORM

156 Starlite Drive
Marietta, OH 45750
(740) 373-4071

Client:	PEI
Workorder Number:	B
Date Received:	8-17-07
Delivered by:	(✓) Fedx ( ) UPS ( ) Client ( ) Courier Time: 1000
Opened by:	EC
IR Temp Gun:	( ) D (✓) G
Logged by:	L 8-491

Cooler information

Cooler ID	Temp C	Airbill#	COC#	Other
1691	0	6726618 54216		WATERS

Inspection Checklist	Y	N	NA	Discrepancy ID
Were shipping coolers sealed?	✓			
Were custody seals intact?	✓			
Were cooler temperatures in range of 0 - 6?	✓			
Was ice present?	✓			
Were COC's received/information complete/signed/dated?	✓			
Were sample containers and labels intact?	✓			
Were correct containers used?	✓			
Were correct preservatives used (water only)?		✓		(1)
Were pH ranges acceptable?			E	
Were VOA samples free of headspace?				
Were samples received within EPA hold times?	✓			

Discrepancy/Comments/Other Problems

(1) TOC HAVE HCl in Ehme SHOULD HAVE H_2SO_4

Distribution

Name of KEMRON representative
Client/Company:
Person Contacted:
Date contacted:

Resolution/other comments:

KEMRON Environmental Services
Internal Chain of Custody Report

Login: L0708491
Account: 2921
Project: 2921.001
Samples: 7
Due Date: 24-AUG-2007

Samplenum	Container ID	Products
L0708491-06	366140	TOC

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-AUG-2007 14:48	BRG	
2	ANALYZ	W1	WET	20-AUG-2007 11:25	DIH	ERE
3	STORE	WET	W1	20-AUG-2007 15:45	ERE	DIH
4	ANALYZ	A2	WET	21-AUG-2007 08:07	DIH	ERE
5	STORE	WET	A2	22-AUG-2007 07:58	ERE	DIH

Samplenum	Container ID	Products
L0708491-01	366129	TDS

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-AUG-2007 14:48	BRG	
2	ANALYZ	W1	WET	20-AUG-2007 14:30	HJR	ERE
3	STORE	WET	A2	24-AUG-2007 08:02	ERE	HJR

Samplenum	Container ID	Products
L0708491-04	366134	TDS

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-AUG-2007 14:48	BRG	
2	ANALYZ	W1	WET	20-AUG-2007 14:30	HJR	ERE
3	STORE	WET	A2	24-AUG-2007 08:02	ERE	HJR

Samplenum	Container ID	Products
L0708491-07	366141	ALK

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-AUG-2007 14:48	BRG	
2	ANALYZ	W1	WET	21-AUG-2007 08:07	DIH	ERE
3	STORE	WET	A2	22-AUG-2007 07:57	ERE	DIH

A1 - Sample Archive (COLD)
A2 - Sample Archive (AMBIENT)
F1 - Volatiles Freezer in Login
V1 - Volatiles Refrigerator in Login
W1 - Walkin Cooler in Login

KEMRON Environmental Services
Internal Chain of Custody Report
Login: L0708491
Account: 2921
Project: 2921.001
Samples: 7
Due Date: 24-AUG-2007

Samplenum	Container ID	Products
L0708491-04	366135	TOC

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-AUG-2007 14:48	BRG	
2	ANALYZ	W1	WET	20-AUG-2007 11:26	DIH	ERE
3	STORE	WET	W1	20-AUG-2007 15:45	ERE	DIH

Samplenum	Container ID	Products
L0708491-07	366142	TOC

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-AUG-2007 14:48	BRG	
2	ANALYZ	W1	WET	20-AUG-2007 11:26	DIH	ERE
3	STORE	WET	W1	20-AUG-2007 15:45	ERE	DIH
4	ANALYZ	A2	WET	21-AUG-2007 08:07	DIH	ERE
5	STORE	WET	A2	22-AUG-2007 07:58	ERE	DIH

Samplenum	Container ID	Products
L0708491-05	366137	TDS

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-AUG-2007 14:48	BRG	
2	ANALYZ	W1	WET	20-AUG-2007 14:30	HJR	ERE
3	STORE	WET	A2	24-AUG-2007 08:02	ERE	HJR

Samplenum	Container ID	Products
L0708491-05	366138	TOC

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-AUG-2007 14:48	BRG	
2	ANALYZ	W1	WET	20-AUG-2007 11:26	DIH	ERE

A1 - Sample Archive (COLD)
A2 - Sample Archive (AMBIENT)
F1 - Volatiles Freezer in Login
V1 - Volatiles Refrigerator in Login
W1 - Walkin Cooler in Login

KEMRON Environmental Services
Internal Chain of Custody Report
Login: L0708491
Account: 2921
Project: 2921.001
Samples: 7
Due Date: 24-AUG-2007

Samplenum	Container ID	Products
L0708491-03	366132	TOC

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-AUG-2007 14:48	BRG	
2	ANALYZ	W1	WET	20-AUG-2007 11:26	DIH	ERE
3	STORE	WET	W1	20-AUG-2007 15:45	ERE	DIH

Samplenum	Container ID	Products
L0708491-05	366136	ALK

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-AUG-2007 14:48	BRG	
2	ANALYZ	W1	WET	21-AUG-2007 08:07	DIH	ERE
3	STORE	WET	A2	22-AUG-2007 07:57	ERE	DIH

Samplenum	Container ID	Products
L0708491-01	366130	TOC

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-AUG-2007 14:48	BRG	
2	ANALYZ	W1	WET	20-AUG-2007 11:26	DIH	ERE
3	STORE	WET	W1	20-AUG-2007 15:45	ERE	DIH

Samplenum	Container ID	Products
L0708491-01	366128	ALK

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-AUG-2007 14:48	BRG	
2	ANALYZ	W1	WET	21-AUG-2007 08:07	DIH	ERE
3	STORE	WET	A2	22-AUG-2007 07:58	ERE	DIH

A1 - Sample Archive (COLD)
A2 - Sample Archive (AMBIENT)
F1 - Volatiles Freezer in Login
V1 - Volatiles Refrigerator in Login
W1 - Walkin Cooler in Login

KEMRON Environmental Services
Internal Chain of Custody Report

Login: L0708491
Account: 2921
Project: 2921.001
Samples: 7
Due Date: 24-AUG-2007

Samplenum	Container ID	Products
L0708491-02	366131	TOC

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-AUG-2007 14:48	BRG	
2	ANALYZ	W1	WET	20-AUG-2007 11:26	DIH	ERE
3	STORE	WET	W1	20-AUG-2007 15:45	ERE	DIH

Samplenum	Container ID	Products
L0708491-04	366133	ALK

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-AUG-2007 14:48	BRG	
2	ANALYZ	W1	WET	21-AUG-2007 08:07	DIH	ERE
3	STORE	WET	A2	22-AUG-2007 07:58	ERE	DIH

Samplenum	Container ID	Products
L0708491-06	366139	ALK

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-AUG-2007 14:48	BRG	
2	ANALYZ	W1	WET	21-AUG-2007 08:07	DIH	ERE
3	STORE	WET	A2	22-AUG-2007 07:58	ERE	DIH

A1 - Sample Archive (COLD)
A2 - Sample Archive (AMBIENT)
F1 - Volatiles Freezer in Login
V1 - Volatiles Refrigerator in Login
W1 - Walkin Cooler in Login

COC Documentation

CH2MHILL Constructors, Inc.
115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

2507385 KC

[1] COC NUMBER: **OU20807-PEL-3**

[2] PROJECT NAME:	[5] PROJECT NUMBER:	[8] LAB NAME AND CONTACT:	[11] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No. , and Fax No.):
NTC Orlando	283383.10.10	Darcy Weisman/ PEL labs	Kama White CH2M Hill CCI	North Park 400, 1000 Abenathy Rd, Suite 1600 Atlanta Ga. 30328
[3] PROJECT PHASE/SITE/TASK:	[6] CTO OR DO NUMBER:	[9] LAB PO NUMBER:	[12] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No. , and Fax No.):
OU-2	TO-05	808799		
[4] PROJECT CONTACT:	[7] PROJECT TEL NO AND FAX NO:	[10] LAB TEL NO AND FAX NO:	[13] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No. , and Fax No.):
Bethany Garvey	770-604-9182	813-247-2085		

[25] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SOP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)		ALk alinity	TOC								[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	TO05MW48A	OLD-OU2-48A	W	08/16/07	10:40	C	14		1	1								N	Post injection sampling	
2	TO05MW48B	OLD-OU2-48B	W	08/16/07	10:55	C	14		1	1								N		
3	TO05MW44A	OLD-OU2-44A	W	08/16/07	11:42	C	14		1	1								N		
4	TO05MW44B	OLD-OU2-44B	W	08/16/07	11:50	C	14		1	1								N		
5																				
6																				
7																				
8																			Please note New Mailing Address.	
9																				
10																				

[29] SAMPLER(S) AND COMPANY: (please print)	[30] COURIER AND SHIPPING NUMBER:	[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):
Mark Stinnett, Sara Vaughn CH2M hill	FED EX 8604 2607 9594	rec'd @ 4.0c, TOC, Alkalinity to Spectrum

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
[signature]	8-16-07		[signature]	08/17/07	1025
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

Distribution: [ ] **Original** - Laboratory (To be returned with Analytical Report); [ ] **Copy 1** - Project File; [ ] **Copy 2** - PMO

Form CC1001, Rev 06/00

2507385

FedEx Express *US Airbill* 8604 2607 9594 0200 Form ID No. **FedEx Retrieval Copy**

1 From

Date 08/16/07 Sender's FedEx Account Number 241 253 520

Sender's Name ISAAC Lynch Phone 352 494-3820

Company CH2M Hill CCI

Address 1060 Winehouse Road

Dept./Floor/Suite/Room

City Orlando FL State FL ZIP 32803

2 Your Internal Billing Reference 253383.10.10

3 To

Recipient's Name Darcy Weisman Phone 813 247-2805

Company PEL Labs

Recipient's Address 4420 Pendola Pt Road

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City TAMPA State FL ZIP 33619.

8604 2607 9594

4a Express Package Service *Packages up to 150 lbs.*

1 [X] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

5 [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

6 [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.

3 [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

20 [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

FedEx Envelope rate not available. Minimum charge: One-pound rate.

* To most locations.

4b Express Freight Service *Packages over 150 lbs.*

7 [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

8 [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

83 [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

* Call for Confirmation: ** To most locations.

5 Packaging

6 [ ] FedEx Envelope* 2 [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak. 3 [ ] FedEx Box 4 [ ] FedEx Tube 1 [X] Other

* Declared value limit $500.

6 Special Handling — Include FedEx address in Section 3.

3 [ ] **SATURDAY Delivery** — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.

1 [ ] **HOLD Weekday** at FedEx Location — Not available for FedEx First Overnight.

31 [ ] **HOLD Saturday** at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.

1 [X] No 4 [ ] Yes — As per attached Shipper's Declaration. [ ] Yes — Shipper's Declaration not required. 6 [ ] Dry Ice — Dry ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging. [ ] Cargo Aircraft Only

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below. Obtain Recip. Acct. No. [ ]

1 [X] Sender — Acct. No. in Section 1 will be billed. 2 [ ] Recipient 3 [ ] Third Party 4 [ ] Credit Card 5 [ ] Cash/Check

Total Packages 1 Total Weight 4 Total Charges

Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

8 *NEW* Residential Delivery Signature Options If you require a signature, check Direct or Indirect.

[ ] No Signature Required — Package may be left without obtaining a signature for delivery.

10 [ ] Direct Signature — Anyone at recipient's address may sign for delivery. *Fee applies.*

34 [ ] Indirect Signature — If no one is available at recipient's address, anyone at a neighboring address may sign for delivery. *Fee applies.*

520

Rev. Date 8/05•Part #158281•©1994–2005 FedEx•PRINTED IN U.S.A. SRY

fedex.com 1.800.GoFedEx 1.800.463.3339

fedex.com 1.800.GoFedEx 1.800.463.3339

SAMPLE RECEIPT CONFIRMATION SHEET

Client Information

SDG:	2507385	**Req:**	83010
Client:	CH2M Hill	**Project:**	TO-5 / AGVIQ (OU-2 Pilot Study)
Level:	4	**Date Rec'd:**	8/17/07 10:25:00 AM
Rec'd via:	Fed-Ex	**Due Date:**	08/31/07

Sample Verification

Samples/Cooler Secure?	Yes	**All Samples on COC accounted For?**	Yes
Temperature of Samples(Celsius)	4.0C	**All Samples Rec'd Intact?**	Yes
pH Verified?	No	**Sample Vol. Stuff. For Analysis?**	Yes
pH WNL?	No	**Samples Rec'd W/I Hold Time?**	Yes
Soil Origin (Domestic/Foreign):		**Are All Samples to be Analyzed?**	Yes
Site Location/Project on COC?	Yes	**Correct Sample Containers?**	Yes
Client Project # on COC?	Yes	**COC Comments written on COC?**	Yes
Project Mgr. Indicated on COC?	Yes	**Samplers Initials on COC?**	Yes
COC relinquished/Dated by Client?	Yes	**Sample Date/Time Indicated?**	Yes
COC Received/Dated by PEL?	Yes	**TAT Requested:**	STD
Specific Subcontract Indicated?	Yes	**Client Requests Verbal Results?**	No
Samples Received By	Fed-Ex	**Client Requests Faxed Results?**	No
PEL to Conduct ALL Analyses?	No		

Subcontract Analysis

Parameter	Due Date	Via	Lab Name	Comments
310.1	30-Aug-07	FedEx	Spectrum Analytical, Inc.	ALKALINITY
415.1	30-Aug-07	FedEx	Spectrum Analytical, Inc.	TOC

PEER REVIEW

PEL Laboratories, Inc.
1010000 1000101 1100110

4420 Pendola Point Road
Tampa, Florida 33619
(813) 247-2805 • Fax: (813) 248-1537
E-Mail: login@Pelab.com

Chain of Custody Record
Record/Work Request

~~Spectrum~~ Kemron

Company: PEL

Address:

Phone: Fax:

Print Names(s) / Affiliation

Sampler(s) Signature(s)

Project Name/Number: OU-2
~~28~~ 2507385 (CH2M/NTC ORLANDO TO-05)

Project Manager: DARCY WEISMAN

Purchase Order:

Page 1 of 1

DEP Form #: 62-770.900(2)
Form Title: Chain of Custody Record
Effective Date: September 23, 1997
FDEP Facility No.
Project Name:
Sampling CompQAP No:
Approval Date:

REQUESTED DUE DATE
/ /

Preservatives (see codes)

Analyses Requested

Item No.	Field ID No.	Sampled Date	Sampled Time	Grab or Composite	Matrix (see codes)	Number of Containers	310.1 ALKA	415.1 TOC	Remarks	Lab. No.
	T005MW48A	8/16/07	1040		W	2	X	X		01
	T005MW48B	8/16/07	1055		W	2	X	X		02
	T005MW44A	8/16/07	11:42		W	2	X	X		03
	T005MW44B	8/16/07	11:50		W	2	X	X		04

Shipment Method

8 ← Total Number of Containers

Out: / / Via:

Returned: / / Via.

Additional Comments:

LEVEL III & EDD

Item Nos.	Relinquished by / Affiliations	Date	Time	Accepted by / Affiliation	Date	Time
	PEL	08/17/07	1500			

Ref:
Dep:
Date: 08/17/2007
Wgt: 32.5 LBS
DV: 0.00
Svcs: PRIORITY SATURDAY
TRCK: 6720 6185 4411

SHIPPING: 118.00
SPECIAL: 30.12
HANDLING: 0.00
TOTAL: 148.12

Cooler No. (s) / Temperature(s) (C)	Sampling Kit No.	Equipment ID No.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify)

PRESERVATION CODES: H-Hydrochloric acid + ice I = Ice only N = Nitric acid + ice S = Sulfuric acid + ice O = Other (specify)

2507385

149

Addendum

Letter of Acceptance

Customer Name: CH2M Hill

Date and Time Received: 8/17/2007 10:25:00 AM

Date to be Reported: 8/31/2007

Laboratory Submission Number/SDG: 2507385

Get Detailed Analyte List here: www.pelab.com/webdms/Default.asp?LoaSDG=2507385

Project: NTC Orlando 283383.10.10

Samples: The submission consisted of 4 samples with sample identification shown in the attached data tables.

Tests: The Samples will be analyzed for EPA methods: GEN1OL.

Sample Custody/COC discrepancies:

None.

Notes:

None.

Distribution of Report to:

CH2M Hill
Attn: Kama White
Phone: W 770-604-9182
F 770-604-9282

Note: Submitted material will be retained for 30 days unless otherwise requested by client or consumed in analysis. PEL letters and reports are for the exclusive use of the client to whom they are addressed. Our letters and reports apply to the sample tested and are not necessarily indicative of the qualities of apparently identical or similar materials

Log-in Report

Level 4

Total of: 4 analyses on 4 samples (including QC) *21-Aug-07*

Report/SDG #: 2507385

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05MW48A	250738501	OLD-OU2-48A	W	8/16/2007 10:40:00 AM	8/17/2007 10:25:00 AM

Method		
GEN1OL	Generic Outside Lab Method	GEN1OL

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05MW48B	250738502	OLD-OU2-48B	W	8/16/2007 10:55:00 AM	8/17/2007 10:25:00 AM

Method		
GEN1OL	Generic Outside Lab Method	GEN1OL

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05MW44A	250738503	OLD-OU2-44A	W	8/16/2007 11:42:00 AM	8/17/2007 10:25:00 AM

Method		
GEN1OL	Generic Outside Lab Method	GEN1OL

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05MW44B	250738504	OLD-OU2-44B	W	8/16/2007 11:50:00 AM	8/17/2007 10:25:00 AM

Method		
GEN1OL	Generic Outside Lab Method	GEN1OL

Environmental Conservation Laboratories, Inc.
10775 Central Port Drive
Orlando FL, 32824
Phone: 407.826.5314 FAX: 407.850.6945
www.encolabs.com

Thursday, July 5, 2007

CH2M Hill (CH005)

Attn: Bethany Garvey

115 Perimeter Center Place Suite 700

Atlanta, GA 30346

RE: Project Number: 283383.10.10, Project Name/Desc: NTC Orlando
ENCO Workorder: A703461

Dear Bethany Garvey,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Tuesday, July 3, 2007.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

This data has been produced in accordance with NELAC standards (June, 2003). This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Ronald Wambles
Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 11.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: TO5MW48AE0307 **Lab ID:** A703461-01
Sampled: 07/03/07 13:45 **Received:** 07/03/07 16:24

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 415.1	07/31/07	07/03/07 17:10	7/5/2007 10:03

Client ID: TO5MW48BE0307 **Lab ID:** A703461-02
Sampled: 07/03/07 13:25 **Received:** 07/03/07 16:24

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 415.1	07/31/07	07/03/07 17:10	7/5/2007 10:03

Client ID: TO5MW40AE0307 **Lab ID:** A703461-03
Sampled: 07/03/07 12:55 **Received:** 07/03/07 16:24

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 415.1	07/31/07	07/03/07 17:10	7/5/2007 10:03

Client ID: TO5MW40BE0307 **Lab ID:** A703461-04
Sampled: 07/03/07 12:42 **Received:** 07/03/07 16:24

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 415.1	07/31/07	07/03/07 17:10	7/5/2007 10:03

Client ID: TO5MW44AE0307 **Lab ID:** A703461-05
Sampled: 07/03/07 13:55 **Received:** 07/03/07 16:24

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 415.1	07/31/07	07/03/07 17:10	7/5/2007 10:03

Client ID: TO5MW44BE0307 **Lab ID:** A703461-06
Sampled: 07/03/07 14:52 **Received:** 07/03/07 16:24

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 415.1	07/31/07	07/03/07 17:10	7/5/2007 10:03

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SAMPLE DETECTION SUMMARY

Client ID: **TO5MW48AE0307** **Lab ID:** **A703461-01**

Analyte	Results/Qual	MRL	Units	Method
Total Organic Carbon	94 D	5.0	mg/L	EPA 415.1

Client ID: **TO5MW48BE0307** **Lab ID:** **A703461-02**

Analyte	Results/Qual	MRL	Units	Method
Total Organic Carbon	100 D	5.0	mg/L	EPA 415.1

Client ID: **TO5MW40AE0307** **Lab ID:** **A703461-03**

Analyte	Results/Qual	MRL	Units	Method
Total Organic Carbon	11 D	5.0	mg/L	EPA 415.1

Client ID: **TO5MW40BE0307** **Lab ID:** **A703461-04**

Analyte	Results/Qual	MRL	Units	Method
Total Organic Carbon	10 D	5.0	mg/L	EPA 415.1

Client ID: **TO5MW44AE0307** **Lab ID:** **A703461-05**

Analyte	Results/Qual	MRL	Units	Method
Total Organic Carbon	10 D	5.0	mg/L	EPA 415.1

Client ID: **TO5MW44BE0307** **Lab ID:** **A703461-06**

Analyte	Results/Qual	MRL	Units	Method
Total Organic Carbon	11 D	5.0	mg/L	EPA 415.1

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ANALYTICAL REPORT

Sample ID:	TO5MW48AE0307	Project:	NTC Orlando
Lab #:	A703461-01	Work Order #:	A703461
		Matrix:	Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results		MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Total Organic Carbon	NA	**94**	D	1.5	5.0	mg/L	EPA 415.1	NO PREP	7G03011

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	TO5MW48BE0307	Project:	NTC Orlando
Lab #:	A703461-02	Work Order #:	A703461
		Matrix:	Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results		MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Total Organic Carbon	NA	**100**	D	1.5	5.0	mg/L	EPA 415.1	NO PREP	7G03011

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ANALYTICAL REPORT

Sample ID:	TO5MW40AE0307	Project:	NTC Orlando
Lab #:	A703461-03	Work Order #:	A703461
		Matrix:	Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results		MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Total Organic Carbon	NA	**11**	D	1.5	5.0	mg/L	EPA 415.1	NO PREP	7G03011

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	TO5MW40BE0307	Project:	NTC Orlando
Lab #:	A703461-04	Work Order #:	A703461
		Matrix:	Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results		MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Total Organic Carbon	NA	**10**	D	1.5	5.0	mg/L	EPA 415.1	NO PREP	7G03011

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ANALYTICAL REPORT

Sample ID:	TO5MW44AE0307	Project:	NTC Orlando
Lab #:	A703461-05	Work Order #:	A703461
		Matrix:	Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results		MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Total Organic Carbon	NA	**10**	D	1.5	5.0	mg/L	EPA 415.1	NO PREP	7G03011

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ANALYTICAL REPORT

Sample ID:	TO5MW44BE0307	Project:	NTC Orlando
Lab #:	A703461-06	Work Order #:	A703461
		Matrix:	Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results		MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Total Organic Carbon	NA	**11**	D	1.5	5.0	mg/L	EPA 415.1	NO PREP	7G03011

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Classical Chemistry Parameters - Quality Control										
Batch 7G03011 - NO PREP										
Blank (7G03011-BLK1)				Prepared: 07/03/2007 11:10 Analyzed: 07/05/2007 10:03						
Total Organic Carbon	0.30 U	1.0	mg/L							
LCS (7G03011-BS1)				Prepared: 07/03/2007 11:10 Analyzed: 07/05/2007 10:03						
Total Organic Carbon	39	1.0	mg/L	40.0		99	85-113			
Matrix Spike (7G03011-MS1)		**Source: A703626-01**		Prepared: 07/03/2007 11:10 Analyzed: 07/05/2007 10:03						
Total Organic Carbon	42	1.0	mg/L	40.0	0.83	102	85-113			
Matrix Spike Dup (7G03011-MSD1)		**Source: A703626-01**		Prepared: 07/03/2007 11:10 Analyzed: 07/05/2007 10:03						
Total Organic Carbon	46	1.0	mg/L	40.0	0.83	112	85-113	9	21	

NOTES AND DEFINITIONS

D	Data reported from a dilution
U	Analyte included in the analysis, but not detected

LABORATORY CERTIFICATION SUMMARY

Analysis	Matrix	Cert ID	Cert Number
TOC 415.1	Water	NELAC	E83182

CH2MHILL Constructors, Inc.

115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No. (770) 604-9182
Fax No. (770) 604-9282

CHAIN-OF-CUSTODY RECORD

[1] COC NUMBER: 042E05TOC1

[2] PROJECT NAME	[3] PROJECT NUMBER	[4] LAB NAME AND CONTACT	[11] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No., and Fax No.)
NTC ORLANDO	283383.10.10	ENCO LABS James Gregory	Kama White CH2MHILL CCI	115 Perimeter Circle Drive Atlanta Ga 30346
[5] PROJECT PHASE/SITE/TASK	[6] CTO OR DO NUMBER	[7] LAB PO NUMBER	[12] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No., and Fax No.)
OU-2	CTO-05			
[8] PROJECT CONTACT	[9] PROJECT TEL NO AND FAX NO	[10] LAB TEL NO AND FAX NO	[13] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No., and Fax No.)
Bethany Garvey	7706049182	407-826-5314		

[23] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SOP)	[21] DATE COLLECTED	[22] TIME COLLECTED	DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	TOC										[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
	T05MW48AE0307																			
1	T05MW48AE0307	010-042-MW48A	W	7-3-07	1345	A	2	1										N		
2	T05MW48BE0307	010-042-MW48B	W	7-3-07	1325	A	2	1										N		
3	T05MW40AE0307	010-042-MW40A	W	7-3-07	1255	A	2	1										N		
4	T05MW40BE0307	010-042-MW40B	W	7-3-07	1242	A	2	1										N		
5	T05MW44AE0307	010-042-MW44A	W	7-3-07	1355	A	2	1										N		
6	T05MW44BE0307	010-042-MW44B	W	7-3-07	1452	A	2	1										N		
7																				
8																				
9																				
10																				

[29] SAMPLER(S) AND COMPANY: (please print)
Isaac Lynch CH2MHILL
Joe Calixte - AGVIQ

[30] COURIER AND SHIPPING NUMBER
HAND Delivered

[31] SAMPLES TEMPERATURE AND CONDITION UPON RECIPT (for lab's use)
Client Cooler 3°C

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature: Isaac Lynch	7-3-07	1630	Printed Name and Signature: James W. Gregory	7/3/07	1424
Printed Name and Signature:			Printed Name and Signature:	7/3/07	16:42
Printed Name and Signature:			Printed Name and Signature:		

Distribution: [ ] Original - Laboratory (To be returned with Analytical Report) [ ] Copy 1 - Project File; [ ] Copy 2 - PMO

Form CC200, Rev 06-00

The total number of pages in this report, including this page is 1.

Environmental Conservation Laboratories, Inc.
10775 Central Port Drive
Orlando FL, 32824
Phone: 407.826.5314 FAX: 407.850.6945
www.encolabs.com

Tuesday, July 10, 2007

CH2M Hill (CH005)

Attn: Bethany Garvey

115 Perimeter Center Place Suite 700

Atlanta, GA 30346

RE: Project Number: 283383.10.10, Project Name/Desc: NTC Orlando
ENCO Workorder: A703775

Dear Bethany Garvey,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Monday, July 9, 2007.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

This data has been produced in accordance with NELAC standards (June, 2003). This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Ronald Wambles

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 11.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: TO5MW48AE0607 **Lab ID:** A703775-01
Sampled: 07/06/07 19:00 **Received:** 07/09/07 15:20

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 415.1	08/03/07	07/09/07 16:10	7/10/2007 12:59

Client ID: TO5MW44AE0607 **Lab ID:** A703775-02
Sampled: 07/06/07 19:30 **Received:** 07/09/07 15:20

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 415.1	08/03/07	07/09/07 16:10	7/10/2007 12:59

Client ID: TO5MW44BE0607 **Lab ID:** A703775-03
Sampled: 07/06/07 19:45 **Received:** 07/09/07 15:20

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 415.1	08/03/07	07/09/07 16:10	7/10/2007 12:59

Client ID: TO5MW48BE0607 **Lab ID:** A703775-04
Sampled: 07/06/07 19:52 **Received:** 07/09/07 15:20

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 415.1	08/03/07	07/09/07 16:10	7/10/2007 12:59

Client ID: TO5MW40BE0607 **Lab ID:** A703775-05
Sampled: 07/06/07 20:00 **Received:** 07/09/07 15:20

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 415.1	08/03/07	07/09/07 16:10	7/10/2007 12:59

Client ID: TO5MW40AE0607 **Lab ID:** A703775-06
Sampled: 07/06/07 20:30 **Received:** 07/09/07 15:20

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 415.1	08/03/07	07/09/07 16:10	7/10/2007 12:59

SAMPLE DETECTION SUMMARY

Client ID: **TO5MW48AE0607** **Lab ID:** **A703775-01**

Analyte	Results/Qual	MRL	Units	Method
Total Organic Carbon	77	1.0	mg/L	EPA 415.1

Client ID: **TO5MW44AE0607** **Lab ID:** **A703775-02**

Analyte	Results/Qual	MRL	Units	Method
Total Organic Carbon	7.9	1.0	mg/L	EPA 415.1

Client ID: **TO5MW44BE0607** **Lab ID:** **A703775-03**

Analyte	Results/Qual	MRL	Units	Method
Total Organic Carbon	9.4	1.0	mg/L	EPA 415.1

Client ID: **TO5MW48BE0607** **Lab ID:** **A703775-04**

Analyte	Results/Qual	MRL	Units	Method
Total Organic Carbon	170 D	5.0	mg/L	EPA 415.1

Client ID: **TO5MW40BE0607** **Lab ID:** **A703775-05**

Analyte	Results/Qual	MRL	Units	Method
Total Organic Carbon	8.1	1.0	mg/L	EPA 415.1

Client ID: **TO5MW40AE0607** **Lab ID:** **A703775-06**

Analyte	Results/Qual	MRL	Units	Method
Total Organic Carbon	49	1.0	mg/L	EPA 415.1

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ANALYTICAL REPORT

Sample ID:	TO5MW48AE0607	Project:	NTC Orlando
Lab #:	A703775-01	Work Order #:	A703775
		Matrix:	Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Total Organic Carbon	NA	**77**	0.30	1.0	mg/L	EPA 415.1	NO PREP	7G09016

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ANALYTICAL REPORT

Sample ID:	TO5MW44AE0607	Project:	NTC Orlando
Lab #:	A703775-02	Work Order #:	A703775
		Matrix:	Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Total Organic Carbon	NA	**7.9**	0.30	1.0	mg/L	EPA 415.1	NO PREP	7G09016

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	TO5MW44BE0607	Project:	NTC Orlando
Lab #:	A703775-03	Work Order #:	A703775
		Matrix:	Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Total Organic Carbon	NA	**9.4**	0.30	1.0	mg/L	EPA 415.1	NO PREP	7G09016

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	TO5MW48BE0607	Project:	NTC Orlando
Lab #:	A703775-04	Work Order #:	A703775
		Matrix:	Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results		MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Total Organic Carbon	NA	**170**	D	1.5	5.0	mg/L	EPA 415.1	NO PREP	7G09016

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	TO5MW40BE0607	Project:	NTC Orlando
Lab #:	A703775-05	Work Order #:	A703775
		Matrix:	Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Total Organic Carbon	NA	**8.1**	0.30	1.0	mg/L	EPA 415.1	NO PREP	7G09016

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	TO5MW40AE0607	Project:	NTC Orlando
Lab #:	A703775-06	Work Order #:	A703775
		Matrix:	Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Total Organic Carbon	NA	**49**	0.30	1.0	mg/L	EPA 415.1	NO PREP	7G09016

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Classical Chemistry Parameters - Quality Control										
Batch 7G09016 - NO PREP										
Blank (7G09016-BLK1)				Prepared: 07/09/2007 12:07 Analyzed: 07/10/2007 12:59						
Total Organic Carbon	0.30 U	1.0	mg/L							
LCS (7G09016-BS1)				Prepared: 07/09/2007 12:07 Analyzed: 07/10/2007 12:59						
Total Organic Carbon	43	1.0	mg/L	40.0		108	85-113			
Matrix Spike (7G09016-MS1)		**Source: A703712-01**		Prepared: 07/09/2007 12:07 Analyzed: 07/10/2007 12:59						
Total Organic Carbon	41	1.0	mg/L	40.0	0.30 U	102	85-113			
Matrix Spike Dup (7G09016-MSD1)		**Source: A703712-01**		Prepared: 07/09/2007 12:07 Analyzed: 07/10/2007 12:59						
Total Organic Carbon	43	1.0	mg/L	40.0	0.30 U	108	85-113	6	21	

NOTES AND DEFINITIONS

D	Data reported from a dilution
U	Analyte included in the analysis, but not detected

LABORATORY CERTIFICATION SUMMARY

Analysis	Matrix	Cert ID	Cert Number
TOC 415.1	Water	NELAC	E83182

CH2MHILL Constructors, Inc.

115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

[1] COC NUMBER: TO05EOS-2

[2] PROJECT NAME:	[3] PROJECT NUMBER:	[8] LAB NAME AND CONTACT:	[11] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No. , and Fax No.):
NTC Orlando	283383.10.10	Matthew Foti ENCO Lab	Kama White CH2M Hill CCI	North Park 400, 1000 Abenathy Rd, Suite 1600, Atlanta Ga. 30328
[5] PROJECT PHASE/SITE/TASK:	[6] CTO OR DO NUMBER:	[9] LAB PO NUMBER:	[12] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No. , and Fax No.):
OU-2	TO-05		Email to Bethany Garvey/Atlanta Ga.	
[4] PROJECT CONTACT:	[7] PROJECT TEL NO AND FAX NO:	[10] LAB TEL NO AND FAX NO:	[13] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No. , and Fax No.):
Bethany Garvey	770-604-9182	407-826-5314		

[23] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SOP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	TOC										[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	TO5MW48AE0607	OLD-OU2-MW48A	W	07/06/07	19:00	A	2	1										N	DATA BY	
2	TO5MW44AE0607	OLD-OU2-MW44A	W	07/06/07	19:30	A	2	1										N	WEDS- 7-11-07 AM?	
3	TO5MW44BE0607	OLD-OU2-MW44B	W	07/06/07	19:45	A	2	1										N		
4	TO5MW48BE0607	OLD-OU2-MW48B	W	07/06/07	19:52	A	2	1										N		
5	TO5MW40BE0607	OLD-OU2-MW40B	W	07/06/07	20:00	A	2	1										N		
6	TO5MW40AE0607	OLD-OU2-MW40A	W	07/06/07	20:00	A	2	1										N		
7																				
8																			Email results to Bethany Garvey	
9																			Form 1's when complete	
10																				

[29] SAMPLER(S) AND COMPANY: (please print)	[30] COURIER AND SHIPPING NUMBER:	[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):
Isaac Lynch, , CH2M HILL,Joe Calixte Aqviq	hand delivered	

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature: Isaac Lynch	7-9-07	1520	Printed Name and Signature: [signature]	7/9/07	1520
Printed Name and Signature: 352-494-3822			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

Distribution: [ ] Original - Laboratory (To be returned with Analytical Report); [ ] Copy 1 - Project File; [ ] Copy 2 - PMO

Client Cooler, 1°

Form CC3901, Rev 06/99

A703775

The total number of pages in this report, including this page is 1.

Environmental Conservation Laboratories, Inc.
10775 Central Port Drive
Orlando FL, 32824
Phone: 407.826.5314 FAX: 407.850.6945
www.encolabs.com

Monday, July 16, 2007

CH2M Hill (CH005)

Attn: Bethany Garvey

115 Perimeter Center Place Suite 700

Atlanta, GA 30346

RE: Project Number: 283383.10.10, Project Name/Desc: NTC Orlando
ENCO Workorder: A703873

Dear Bethany Garvey,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, July 12, 2007.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

This data has been produced in accordance with NELAC standards (June, 2003). This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Ronald Wambles
Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 11.

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: TO5MW46AE0711 **Lab ID:** A703873-01
Sampled: 07/11/07 18:10 **Received:** 07/12/07 11:25

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 415.1	08/08/07	07/12/07 17:09	7/13/2007 15:04

Client ID: TO5MW46BE0711 **Lab ID:** A703873-02
Sampled: 07/11/07 18:15 **Received:** 07/12/07 11:25

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 415.1	08/08/07	07/12/07 17:09	7/13/2007 15:04

Client ID: TO5MW47AE0711 **Lab ID:** A703873-03
Sampled: 07/11/07 18:20 **Received:** 07/12/07 11:25

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 415.1	08/08/07	07/12/07 17:09	7/13/2007 15:04

Client ID: TO5MW47BE0711 **Lab ID:** A703873-04
Sampled: 07/11/07 18:25 **Received:** 07/12/07 11:25

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 415.1	08/08/07	07/12/07 17:09	7/13/2007 15:04

Client ID: TO5MW43BE0711 **Lab ID:** A703873-05
Sampled: 07/11/07 18:30 **Received:** 07/12/07 11:25

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 415.1	08/08/07	07/12/07 17:09	7/13/2007 15:04

Client ID: TO5MW43AE0711 **Lab ID:** A703873-06
Sampled: 07/11/07 18:35 **Received:** 07/12/07 11:25

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 415.1	08/08/07	07/12/07 17:09	7/13/2007 15:04

SAMPLE DETECTION SUMMARY

Client ID: **TO5MW46AE0711** **Lab ID:** **A703873-01**

Analyte	Results/Qual	MRL	Units	Method
Total Organic Carbon	7.4	1.0	mg/L	EPA 415.1

Client ID: **TO5MW46BE0711** **Lab ID:** **A703873-02**

Analyte	Results/Qual	MRL	Units	Method
Total Organic Carbon	6.4	1.0	mg/L	EPA 415.1

Client ID: **TO5MW47AE0711** **Lab ID:** **A703873-03**

Analyte	Results/Qual	MRL	Units	Method
Total Organic Carbon	6.3	1.0	mg/L	EPA 415.1

Client ID: **TO5MW47BE0711** **Lab ID:** **A703873-04**

Analyte	Results/Qual	MRL	Units	Method
Total Organic Carbon	6.5	1.0	mg/L	EPA 415.1

Client ID: **TO5MW43BE0711** **Lab ID:** **A703873-05**

Analyte	Results/Qual	MRL	Units	Method
Total Organic Carbon	5.6	1.0	mg/L	EPA 415.1

Client ID: **TO5MW43AE0711** **Lab ID:** **A703873-06**

Analyte	Results/Qual	MRL	Units	Method
Total Organic Carbon	5.7	1.0	mg/L	EPA 415.1

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	TO5MW46AE0711	Project:	NTC Orlando
Lab #:	A703873-01	Work Order #:	A703873
		Matrix:	Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Total Organic Carbon	NA	**7.4**	0.30	1.0	mg/L	EPA 415.1	NO PREP	7G12012

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	TO5MW46BE0711	Project:	NTC Orlando
Lab #:	A703873-02	Work Order #:	A703873
		Matrix:	Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Total Organic Carbon	NA	**6.4**	0.30	1.0	mg/L	EPA 415.1	NO PREP	7G12012

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	TO5MW47AE0711	Project:	NTC Orlando
Lab #:	A703873-03	Work Order #:	A703873
		Matrix:	Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Total Organic Carbon	NA	**6.3**	0.30	1.0	mg/L	EPA 415.1	NO PREP	7G12012

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	TO5MW47BE0711	Project:	NTC Orlando
Lab #:	A703873-04	Work Order #:	A703873
		Matrix:	Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Total Organic Carbon	NA	**6.5**	0.30	1.0	mg/L	EPA 415.1	NO PREP	7G12012

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	TO5MW43BE0711	Project:	NTC Orlando
Lab #:	A703873-05	Work Order #:	A703873
		Matrix:	Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Total Organic Carbon	NA	**5.6**	0.30	1.0	mg/L	EPA 415.1	NO PREP	7G12012

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	TO5MW43AE0711	Project:	NTC Orlando
Lab #:	A703873-06	Work Order #:	A703873
		Matrix:	Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Total Organic Carbon	NA	**5.7**	0.30	1.0	mg/L	EPA 415.1	NO PREP	7G12012

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Classical Chemistry Parameters - Quality Control										
Batch 7G12012 - NO PREP										
Blank (7G12012-BLK1)				Prepared: 07/12/2007 13:29 Analyzed: 07/13/2007 15:04						
Total Organic Carbon	0.30 U	1.0	mg/L							
LCS (7G12012-BS1)				Prepared: 07/12/2007 13:29 Analyzed: 07/13/2007 15:04						
Total Organic Carbon	41	1.0	mg/L	40.0		102	85-113			
Matrix Spike (7G12012-MS1)		**Source: A703813-01**		Prepared: 07/12/2007 13:29 Analyzed: 07/13/2007 15:04						
Total Organic Carbon	110 D	2.0	mg/L	40.0	64	111	85-113			D
Matrix Spike Dup (7G12012-MSD1)		**Source: A703813-01**		Prepared: 07/12/2007 13:29 Analyzed: 07/13/2007 15:04						
Total Organic Carbon	95 QM-07, D	2.0	mg/L	40.0	64	76	85-113	14	21	QM-07

NOTES AND DEFINITIONS

D	Data reported from a dilution
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
U	Analyte included in the analysis, but not detected

LABORATORY CERTIFICATION SUMMARY

Analysis	Matrix	Cert ID	Cert Number
TOC 415.1	Water	NELAC	E83182

CH2MHILL Constructors, Inc.

115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

[1] COC NUMBER: TO05EOS-3

[2] PROJECT NAME	[3] PROJECT NUMBER	[4] LAB NAME AND CONTACT	[11] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 1 (Name and Company)	[11] RECIPIENT 1 (Address, Tel No. , and Fax No.)
NTC Orlando	283383.10.10	Matthew Foti ENCO Lab	Kama White CH2M Hill CCI	North Park 400, 1000 Abernathy Rd, Suite 1600, Atlanta Ga. 30328
[5] PROJECT PHASE/SITE/TASK	[6] CTO OR DO NUMBER	[7] LAB PO NUMBER	[12] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 2 (Name and Company)	[12] RECIPIENT 2 (Address, Tel No. , and Fax No.)
OU-2	TO-05		Email to Bethany Garvey/Atlanta Ga.	
[8] PROJECT CONTACT	[9] PROJECT TEL NO AND FAX NO	[10] LAB TEL NO AND FAX NO	[13] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 3 (Name and Company)	[13] RECIPIENT 3 (Address, Tel No. , and Fax No.)
Bethany Garvey	770-604-9182	407-826-5314		

[15] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SOP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	TOC										[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	TO5MW46AE0711	OLD-OU2-MW46A	W	07/11/07	18:10	A	4	1										N		
2	TO5MW46BE0711	OLD-OU2-MW46B	W	07/11/07	18:15	A	4	1										N		
3	TO5MW47AE0711	OLD-OU2-MW47A	W	07/11/07	18:20	A	4	1										N		
4	TO5MW47BE0711	OLD-OU2-MW47B	W	07/11/07	18:25	A	4	1										N		
5	TO5MW43BE0711	OLD-OU2-MW43B	W	07/11/07	18:30	A	4	1										N		
6	TO5MW43AE0711	OLD-OU2-MW43A	W	07/11/07	18:35	A	4	1										N		
7																				
8																			Email results to Bethany Garvey	
9																			Form 1's when complete	
10																				

[29] SAMPLER(S) AND COMPANY: (please print)	[30] COURIER AND SHIPPING NUMBER	[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use)
Isaac Lynch, , CH2M HILL,,Joe Calixte Aqviq	hand delivered	

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature: Isaac Lynch	7-12-07	1125	Printed Name and Signature: [signature]	7/12/07	1125
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature: Client Cooler, 50		

Distribution: [ ] **Original** - Laboratory (To be returned with Analytical Report); [ ] **Copy 1** - Project File; [ ] **Copy 2** - PMO

A703873

Form CC001, Rev 08/00

The total number of pages in this report, including this page is 1.

CLIENT: CH2M Hill, Inc.
DATE RECEIVED: 11/10/07
DATE REPORTED: 11/14/07

EMPIRICAL LABORATORIES SAMPLE NUMBER						0711105-01
CLIENT SAMPLE DESCRIPTION/SAMPLING DATE						TO58MW48B 110907 11/9/2007 12:05:00 PM
ANALYTES	USEPA METHOD	UNITS	MDL	REPORTING LIMITS	DILUTION FACTOR	CONC
Total Organic Carbon	SM5310C	mg/L	0.5	1.5	1	14.0

See attached page for definitions of terms and qualifiers.

RB 11/19/07

CLIENT: CH2M Hill, Inc.
DATE RECEIVED: 11/10/07
DATE REPORTED: 11/14/07

EMPIRICAL LABORATORIES SAMPLE NUMBER						0711105-02
CLIENT SAMPLE DESCRIPTION/SAMPLING DATE						TO58MW48A 110907 11/9/2007 12:20:00 PM
ANALYTES	USEPA METHOD	UNITS	MDL	REPORTING LIMITS	DILUTION FACTOR	CONC
Total Organic Carbon	SM5310C	mg/L	0.5	1.5	1	80.7

See attached page for definitions of terms and qualifiers.

RJ 11/19/07

CLIENT: CH2M Hill, Inc.
DATE RECEIVED: 11/10/07
DATE REPORTED: 11/14/07

EMPIRICAL LABORATORIES SAMPLE NUMBER						0711105-03
CLIENT SAMPLE DESCRIPTION/SAMPLING DATE						TO58MW40A 110907 11/9/2007 1:55:00 PM
ANALYTES	USEPA METHOD	UNITS	MDL	REPORTING LIMITS	DILUTION FACTOR	CONC
Total Organic Carbon	SM5310C	mg/L	0.5	1.5	1	5.7

See attached page for definitions of terms and qualifiers.

RJ 11/19/07

CLIENT: CH2M Hill, Inc.
DATE RECEIVED: 11/10/07
DATE REPORTED: 11/14/07

EMPIRICAL LABORATORIES SAMPLE NUMBER						0711105-04
CLIENT SAMPLE DESCRIPTION/SAMPLING DATE						TO58MW40B 110907 11/9/2007 2:00:00 PM
ANALYTES	USEPA METHOD	UNITS	MDL	REPORTING LIMITS	DILUTION FACTOR	CONC
Total Organic Carbon	SM5310C	mg/L	0.5	1.5	1	5.4

See attached page for definitions of terms and qualifiers.

11/19/07

CLIENT: CH2M Hill, Inc.
DATE RECEIVED: 11/10/07
DATE REPORTED: 11/14/07

EMPIRICAL LABORATORIES SAMPLE NUMBER						0711105-05
CLIENT SAMPLE DESCRIPTION/SAMPLING DATE						TO58MW44A 110907 11/9/2007 2:30:00 PM
ANALYTES	USEPA METHOD	UNITS	MDL	REPORTING LIMITS	DILUTION FACTOR	CONC
Total Organic Carbon	SM5310C	mg/L	0.5	1.5	1	41.1

See attached page for definitions of terms and qualifiers.

BA 11/19/07

CLIENT: CH2M Hill, Inc.
DATE RECEIVED: 11/10/07
DATE REPORTED: 11/14/07

EMPIRICAL LABORATORIES SAMPLE NUMBER						0711105-06
CLIENT SAMPLE DESCRIPTION/SAMPLING DATE						TO58MW44B 110907 11/9/2007 2:40:00 PM
ANALYTES	USEPA METHOD	UNITS	MDL	REPORTING LIMITS	DILUTION FACTOR	CONC
Total Organic Carbon	SM5310C	mg/L	0.5	1.5	1	6.1

See attached page for definitions of terms and qualifiers.

11/19/07

CLIENT: CH2M Hill, Inc.
DATE RECEIVED: 11/10/07
DATE REPORTED: 11/14/07

EMPIRICAL LABORATORIES SAMPLE NUMBER						0711105-07
CLIENT SAMPLE DESCRIPTION/SAMPLING DATE						TO58IW2A110907 11/9/2007 1:00:00 PM
ANALYTES	USEPA METHOD	UNITS	MDL	REPORTING LIMITS	DILUTION FACTOR	CONC
Total Organic Carbon	SM5310C	mg/L	12.5	37.5	25	1420

See attached page for definitions of terms and qualifiers.

11/19/07

CLIENT: CH2M Hill, Inc.
DATE RECEIVED: 11/10/07
DATE REPORTED: 11/14/07

EMPIRICAL LABORATORIES SAMPLE NUMBER						0711105-08
CLIENT SAMPLE DESCRIPTION/SAMPLING DATE						TO58IW2B11 0907 11/9/2007 1:10:00 PM
ANALYTES	USEPA METHOD	UNITS	MDL	REPORTING LIMITS	DILUTION FACTOR	CONC
Total Organic Carbon	SM5310C	mg/L	12.5	37.5	25	1290

See attached page for definitions of terms and qualifiers.

EMPIRICAL LABORATORIES

D. Rick Davis
Vice President

11/19/07

PEL Laboratories, Inc.

Customer Name:	CH2M Hill
Date and Time Received:	6/6/2007 11:00:00 AM
Date Reported:	6/21/2007
Laboratory Submission Number/SDG:	2506931
Project:	NTC Orlando / TO-5

Samples: The submission consisted of 2 samples with sample identification shown in the attached data tables.

Tests: The samples were analyzed for the methods listed on the attached table of contents.

Results: See the attached data tables for results.

Distribution of Report to:

CH2M Hill
Attn: Kama White
Phone: W 770-604-9182
F 770-604-9282

Respectfully Submitted,

Brian Spann
Laboratory Manager
PEL Laboratories, Inc.

Note: Submitted material will be retained for 30 days unless otherwise requested by client or consumed in analysis. PEL letters and reports are i the exclusive use of the client to whom they are addressed. Our Letters and reports apply to the sample tested and are not necessarily indicative c the qualities of apparently identical or similar materials

4420 Pendola Point Road • Tampa, Florida 33619
(813)247-2805 • FAX: (813)248-1537
Website: www.pelab.com

Inorganics **2**
WET CHEMISTRY DATA PACKAGE TOTALS..... 5
Sample Data 9
QC Summary 12

Chain of Custody Documentation **21**

Addendum **27**

Appendix **30**
Raw Data Inorganics/Wet Chemistry..... AI-1

EXECUTIVE SUMMARY - Detection Highlights

2506931

No Hits

210607 1258

Inorganics

210607 1258

Inorganic Data Qualifiers

C (Concentration) Qualifier - Entries and their meanings are:

J The reported value obtained was less than the RL but greater than or equal to the MDL.

E The reported value obtained was over calibration or linear range.

U The reported value obtained was less than the MDL or was not detected.

Q Qualifier - Entries and their meanings are:

U The reported value is estimated because of interference. An explanatory comment must be included under "Comments" on the Cover Page if the problem applies to all samples in this data package or on the individual FORM 1 if it is an isolated problem.

M Duplicate injection precision was not met (two analyses of the same sample did not agree).

N Spiked sample recovery not within control limits.

E Serial Dilution percent difference not within control limits.

S The reported value was determined by the Method of Standard Additions (MSA).

W Post-digestion spike for Furnace AA analysis is out of control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.

***** Duplicate analysis not within control limits.

+ Correlation coefficient for the MSA is less than 0.995.

X The data is flagged as rejected by analyst utilizing analytical judgement.

Entering "S", "W", or "+" is mutually exclusive. No combination of these qualifiers can apear in the same field.

M (Method) Qualifier - Enter one of the following:

P ICP
A Flame AA
F Furnace AA
CV Manual Cold Vapor AA
TC Total Organic Carbon
AS Semi-Automated Spectrophotometric
CA Midi-Distillation Spectrophotometric
T Titrimetric
C Manual Spectrophotometric
GR Gravimetric
NR Analyte was not required by your lab

210607 1258

Inorganic Sample ID Qualifiers

The qualifiers that may be appended to the lab sample ID and/or the client sample ID for inorganic analysis are defined below:

DL Diluted reanalysis. Indicates that the results of the original analysis of the sample contained compounds that exceeded the calibration range. The sample was diluted and reanalyzed. May be followed by a digit to indicate multiple dilutions of the sample. The results of more than one diluted reanalysis may be reported.

R Reanalysis. The extract was reanalyzed without re-extraction. The "R" is not used if the sample was also re-extracted. May be followed by a digit to indicate multiple reanalysis of the sample at the same dilution.

RE Re-extracted. The extract was reanalyzed with re-extraction. May be followed by a digit to indicate multiple re-extraction of the same sample at the same dilution.

MS Matrix spike (may be followed by a digit to indicate multiple matrix within a sample set).

SD Matrix spike duplicate (may be followed by a digit to indicate multiple matrix spike duplicate within a sample set).

A Post Digestion Spike.

L Serial Dilution.

210607 1258

WET CHEMISTRY DATA PACKAGE
TOTALS

210607 1258

CASE NARRATIVE
TOTAL ORGANIC CARBON

PEL Lab Reference No./SDG: 2506931

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

Analyses were performed according to PEL Laboratory's Standard Operating Procedures and EPA SW846 Method 9060Mod.

IV. PREPARATION

There is no preparation step for this method.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met.

2. Method Blanks:

All acceptance criteria were met.

C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

No spikes reported by this method.

D. Duplicate:

All acceptance criteria were met.

CASE NARRATIVE
TOTAL ORGANIC CARBON

PEL Lab Reference No./SDG: 2506931

Client: CH2M Hill

E. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

SIGNED: **DATE: 06/20/2007**

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SDG No.: 2506931

SOW No.:

EPA Sample No	Lab Sample ID
TO05MW47B0531	250693101
TO05MW48B0531	250693102

Comments:

210607 1258

Sample Data

210607 1258

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW47B0531

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506931

Matrix: SOIL Lab Sample ID: 250693101

Level:(low/med) LOW Date Received: 6/6/2007

PercentSolids: 69.8 Station ID: OLD-OU2-MW47B

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M
1012_5	TOC	387	U		TC

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

210607 1258

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TO05MW48B0531

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506931

Matrix: SOIL Lab Sample ID: 250693102

Level:(low/med) LOW Date Received: 6/6/2007

PercentSolids: 73.7 Station ID: OLD-OU2-MW48B

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M
1012_5	TOC	366	U		TC

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

210607 1258

QC Summary

210607 1258

U.S. EPA - CLP

2-CC

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-

Lab Code : PEL Case No. SAS No: SDG No.: 2506931

Concentration Units: (mg/Kg)

Analyte	Initial Calibration				Continuing Calibration						
	Source Used	True	Found	%R (1)	Source Used	True	Found	%R (1)	Found	%R (1)	M
TOC	IS3213-51502	470000	369000.000	78.5	IS2681,2682-6702	470000	377000.000	80.2	375000.000	79.8	TC

ICV IDs: TC= ICV244420

CCV1 IDs: TC= CCV244426

CCV2 IDs: TC= CCV244428

(1) Control Limits: TOC: 80-120

Comments:

210607 1258

U.S. EPA - CLP

3

BLANKS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506931

Preparation Blank Matrix (water/soil): SOIL

Preparation Blank Concentration Units (ug/L or mg/Kg): MG/KG

Analyte	Initial Calib. Blank (mg/Kg)	C	Continuing Calibration Blank (mg/Kg)	C		C		C	Prepa-ration Blank	C	M
TOC	270	U	270	U	270	U			270	U	TC

ICB IDs: TC= ICB244421

CCB1 IDs: TC= CCB244427

CCB2 IDs: TC= CCB244429

CCB3 IDs:

210607 1258

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6

DUPLICATES

EPA Sample No.

244423LCSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506931

Matrix: SOIL Level:(low/med) LOW

% Solids for Sample: 100 % Solids for Duplicate: 100

Concentration Units (mg/L or mg/kg): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
TOC	20	379000		383000		1.0		TC

Comments:

210607 1258

U.S. EPA - CLP

6

DUPLICATES

EPA Sample No.

TO05MW48B0531D

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506931

Matrix: SOIL Level:(low/med) LOW

% Solids for Sample: 73.7 % Solids for Duplicate: 73.7

Concentration Units (mg/L or mg/kg): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
TOC	25	366	U	366	U	0.0		TC

Comments:

210607 1258

U.S. EPA - CLP

7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

244423LCS

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506931

Matrix: (soil/water) SOIL

Concentration Units: (MG/KG)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
TOC	IS2681,2682-6702	TC	80	120	470000	379000	80.6	

Comments:

210607 1258

U.S. EPA - CLP

7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

244423LCSD

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506931

Matrix: (soil/water) SOIL

Concentration Units: (MG/KG)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
TOC	IS2681,2682-6702	TC	80	120	470000	383000	81.5	

Comments:

210607 1258

U.S. EPA - CLP

10

METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506931

Matrix: Soil

Concentration Units: MG/KG

PARAMETER	M	INSTRUMENT ID	DATE	CRDL	MDL	Raw MDL (UG/L)
TOC	TC	SHIMZ2	8/1/2001	270	90	90000

Comments:

210607 1258

U.S. EPA - CLP

14

ANALYSIS RUN LOG

Lab Name: PEL Laboratories, Inc. Contract: NTC Orlando / TO-5

Lab Code : PEL Case No. SAS No: SDG No.: 2506931

Instrument ID Number : SHIMZ2 Method : TC

Start Date : 6/18/2007 End Date : 6/18/2007

EPA Sample No.	D/F	Time	%R	Analytes: TOC
ICV244420	1	12:32		X
ICB244421	1	12:47		X
244422BLK	1	13:13		X
244423LCS	1	13:26		X
244423LCSD	1	13:37		X
TO05MW47B0531	1	13:55		X
TO05MW48B0531	1	14:08		X
TO05MW48B0531D	1	14:21		X
ZZZZZZ	1	14:33		
ZZZZZZ	1	14:50		
ZZZZZZ	1	15:03		
ZZZZZZ	1	15:15		
ZZZZZZ	1	15:34		
ZZZZZZ	1	15:53		
ZZZZZZ	1	16:16		
CCV244426	1	16:26		X
CCB244427	1	16:39		X
ZZZZZZ	1	16:52		
ZZZZZZ	1	17:03		
ZZZZZZ	1	17:15		
ZZZZZZ	1	17:28		
CCV244428	1	17:39		X
CCB244429	1	17:55		X

210607 1258

Chain of Custody Documentation

210607 1258

2506931 KC

CH2MHILL Constructors, Inc.

116 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

[1] COC NUMBER: TO-02062007-1

[2] PROJECT NAME: NTC Orlando	[3] PROJECT NUMBER: 283383.10.10	[8] LAB NAME AND CONTACT: Darcy Weisman/ PEL labs	[11] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company): Kama White CH2M Hill CCI	[14] RECIPIENT 1 (Address, Tel No., and Fax No.): North Park 400, 3000 Abernathy Rd, Suite 1600 Atlanta Ga. 30328
[5] PROJECT PHASE/SITE/TASK: OU-2	[6] CTO OR DO NUMBER: TO-05	[9] LAB PO NUMBER:	[12] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company):	[15] RECIPIENT 2 (Address, Tel No., and Fax No.):
[4] PROJECT CONTACT: Bethany Garvey	[7] PROJECT TEL NO AND FAX NO: 770-604-9182	[10] LAB TEL NO AND FAX NO: 813-247-2085	[13] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company):	[16] RECIPIENT 3 (Address, Tel No., and Fax No.):

[22] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SOP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	TOC 9060									[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	TO05MW47B0531	OLD-OU2-MW47B	S	05/30/07	17:45	C	14	2									N	Caution maybe high VOC's	01
2	TO05MW48B0531	OLD-OU2-MW48B	S	05/31/07	14:50	C	14	2									N	Caution maybe high VOC's	02
3																			
4																			
5																			
6																			
7																		Please note New Mailing Address.	
8																			
9																			
10																			

[29] SAMPLER(S) AND COMPANY: (please print)
Andrew Oconner CH2M HILL Isaac Lynch

[30] COURIER AND SHIPPING NUMBER:
Fed Ex 860426079642

[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature:	6-5-07	1845	Printed Name and Signature: Dall / PEL	6/6/07	1100
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

Distribution: [ ] Original - Laboratory (To be returned with Analytical Report); [ ] Copy 1 - Project File; [ ] Copy 2 - PMO

Form CC001, Rev 06/00

100/100
2506931
FAX 07/15/2007 08:30
22

2506931 KC

CH2MHILL Constructors, Inc.
115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

[1] COC NUMBER: **TO-02062007-1**

[2] PROJECT NAME:	[5] PROJECT NUMBER:	[8] LAB NAME AND CONTACT:	[11] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No. , and Fax No.):
NTC Orlando	283383.10.10	Darcy Weisman/ PEL labs	Kama White CH2M Hill CCI	North Park 400, 1000 Abenathy Rd, Suite 1600 Atlanta Ga. 30328
[3] PROJECT PHASE/SITE/TASK:	[6] CTO OR DO NUMBER:	[9] LAB PO NUMBER:	[12] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No. , and Fax No.):
OU-2	TO-02			
[4] PROJECT CONTACT:	[7] PROJECT TEL NO AND FAX NO:	[10] LAB TEL NO AND FAX NO:	[13] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No. , and Fax No.):
Bethany Garvey	770-604-9182	813-247-2085		

[25] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SOP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	TOC SOil										[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	TO02MW47B0531	OLD-OU2-MW47B	S	05/30/07	17:45	C	14	2										N	Caution maybe high VOC's	01
2	TO02MW48B0531	OLD-OU2-MW48B	S	05/31/07	14:50	C	14	2										N	Caution maybe high VOC's	02
3																				
4																				
5																				
6																				
7																			Please note New Mailing Address.	
8																				
9																				
10																				

[29] SAMPLER(S) AND COMPANY: (please print)	[30] COURIER AND SHIPPING NUMBER:	[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):
Andrew Oconner CH2M HILL Isaac Lynch	Fed Ex 860426079642	

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
[signature]	6-5-07	1845	[signature] / PEL	6/6/07	1100
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

Distribution: [ ] **Original** - Laboratory (To be returned with Analytical Report); [ ] **Copy 1** - Project File; [ ] **Copy 2** - PMO

Form CCI001, Rev 06/00

2506931

FedEx Express **US Airbill** . 8604 2607 9642 0200 Form ID No. **FedEx Retrieval Copy**

1 From

Date 6-5-07 Sender's FedEx Account Number 241 253 520

Sender's Name ISAAC LYNCH Phone 352 494 3822

Company CHEM HILL CCI

Address 1060 WAREHOUSE RD

Dept./Floor/Suite/Room

City ORLANDO State FL ZIP 32803

2 Your Internal Billing Reference 283383.10.10

3 To

Recipient's Name DARCY WEISMAN Phone 813 247 2805

Company PEL LABS

Recipient's Address 4420 PENDOLA PT RD

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City TAMPA State FL ZIP 33619

L

8604 2607 9642

4a Express Package Service *Packages up to 150 lbs.*

1 [X] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

5 [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

6 [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.

3 [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

20 [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

FedEx Envelope rate not available. Minimum charge: One-pound rate.

* To most locations.

4b Express Freight Service *Packages over 150 lbs.*

7 [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

8 [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

83 [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

* Call for Confirmation: ____

** To most locations.

5 Packaging

6 [ ] FedEx Envelope*

2 [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.

3 [ ] FedEx Box

4 [ ] FedEx Tube

1† [X] Other

* Declared value limit $500.

6 Special Handling — Include FedEx address in Section 3.

3 [ ] **SATURDAY Delivery** — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.

1 [ ] **HOLD Weekday** at FedEx Location — Not available for FedEx First Overnight.

31 [ ] **HOLD Saturday** at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.

[ ] No

4 [ ] Yes — As per attached Shipper's Declaration.

[ ] Yes — Shipper's Declaration not required.

6 [ ] Dry Ice — Dry ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

[ ] Cargo Aircraft Only

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below.

1 [X] Sender — Acct. No. in Section 1 will be billed.

2 [ ] Recipient

3 [ ] Third Party

4 [ ] Credit Card

5 [ ] Cash/Check

Obtain Recip. Acct. No. [ ]

Total Packages	Total Weight	Total Charges
1	26	Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

8 *NEW* Residential Delivery Signature Options If you require a signature, check Direct or Indirect.

[ ] No Signature Required — Package may be left without obtaining a signature for delivery.

10 [ ] Direct Signature — Anyone at recipient's address may sign for delivery. *Fee applies.*

34 [ ] Indirect Signature — If no one is available at recipient's address, anyone at a neighboring address may sign for delivery. *Fee applies.*

520

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2506931

24

SAMPLE RECEIPT CONFIRMATION SHEET

Client Information

SDG:	2506931	**Req:**	83010
Client:	CH2M Hill	**Project:**	TO-5 / AGVIQ (OU-2 Pilot Study)
Level:	4	**Date Rec'd:**	6/6/07 11:00:00 AM
Rec'd via:	Fed-Ex	**Due Date:**	06/20/07

Sample Verification

Samples/Cooler Secure?	Yes	**All Samples on COC accounted For?**	Yes
Temperature of Samples(Celsius)	4.0C	**All Samples Rec'd Intact?**	Yes
pH Verified?	No	**Sample Vol. Stuff. For Analysis?**	Yes
pH WNL?	No	**Samples Rec'd W/I Hold Time?**	Yes
Soil Origin (Domestic/Foreign):	Domestic	**Are All Samples to be Analyzed?**	Yes
Site Location/Project on COC?	Yes	**Correct Sample Containers?**	Yes
Client Project # on COC?	Yes	**COC Comments written on COC?**	Yes
Project Mgr. Indicated on COC?	Yes	**Samplers Initials on COC?**	Yes
COC relinquished/Dated by Client?	Yes	**Sample Date/Time Indicated?**	Yes
COC Received/Dated by PEL?	Yes	**TAT Requested:**	STD
Specific Subcontract Indicated?	No	**Client Requests Verbal Results?**	No
Samples Received By	Fed-Ex	**Client Requests Faxed Results?**	No
PEL to Conduct ALL Analyses?	Yes		

Subcontract Analysis

Parameter	Due Date	Via	Lab Name	Comments

PEER REVIEW

Client: CH2M Hill

WONo: 2506931 **Profile Name:** NTC Orlando **Profile #:** 83010

MATRIX ***S***

Sample #	Parameter		Relinquished	Received	Date	Time
01 & 02	Dry Weight	Dry Weight	[signature]	EC	6/7/07	1240
01 & 02	Dry Weight	Dry Weight	EC	[signature]	6/8/07	1900
01 & 02	9060MOD	Total Organic Carbon	[signature]	ESJ	6/18/07	10:25
01 & 02	9060MOD	Total Organic Carbon	ESJ	[signature]	6/18/07	13:55

Additional:

Comments:

Addendum

210607 1258

Letter of Acceptance

Customer Name: CH2M Hill

Date and Time Received: 6/6/2007 11:00:00 AM

Date to be Reported: 6/20/2007

Laboratory Submission Number/SDG: 2506931

Get Detailed Analyte List here: www.pelab.com/webdms/Default.asp?LoaSDG=2506931

Project: NTC Orlando / TO-5

Samples: The submission consisted of 2 samples with sample identification shown in the attached data tables.

Tests: The Samples will be analyzed for EPA methods: 9060MOD.

Sample Custody/COC discrepancies:

None.

Notes:

14-day TAT.

Distribution of Report to:

CH2M Hill
Attn: Kama White
Phone: W 770-604-9182
F 770-604-9282

Note: Submitted material will be retained for 30 days unless otherwise requested by client or consumed in analysis. PEL letters and reports are for the exclusive use of the client to whom they are addressed. Our letters and reports apply to the sample tested and are not necessarily indicative of the qualities of apparently identical or similar materials

Log-in Report

Level 4

Total of: 2 analyses on 2 samples (including QC) *08-Jun-07*

Report/SDG #: 2506931

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO02MW47B0531	250693101	OLD-OU2-MW47 B	S	5/30/2007 5:45:00 PM	6/6/2007 11:00:00 AM

Method		
9060MOD	Total Organic Carbon	9060 MOD

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO02MW48B0531	250693102	OLD-OU2-MW48 B	S	5/30/2007 2:50:00 PM	6/6/2007 11:00:00 AM

Method		
9060MOD	Total Organic Carbon	9060 MOD

Appendix

210607 1258

Raw Data Inorganics/Wet Chemistry

9060 Soil

Ran By: BJS
Date: 6/12/07

Shimadzu: #1 (#2)

Batch: 14546

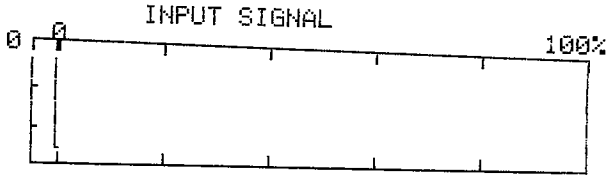
Curve Date: 5/30/07 Curve #: TC 3
IC 4

Blank: Enter weight range 149.0-151.0mg
Spike: Weigh between 59.0-61.0mg
Samples: Weigh between 200.0-250.0mg

ICV: TC IS 2682 Exp: 3/4/08 IC: IS 3085 Exp: 7/9/09
CCV: TC IS 3213 Exp: 5/3/10 IC: IS 3214 Exp: 5/3/10

Sample ID	Sample Number	Push 1	
		TC	IC
ICV	1	60.5	60.4
ICB	2	150	150
PBA	3	150	150
LCS	4	60.6	60.1
LCS-Dup	5	60.3	60.9
2506931-01	6	245.2	231.5
-02	7	230.7	224.8
-02 DUP	8	241.5	225.2
2506960-01	9	240.2	224.1
-02	10	237.3	230.2
-03	11	222.5	233.9
-04	12	210.4	216.6
-05	13	225.6	217.8
-06	14	229.7	213.2
-07	15	224.4	237.6
CCV	16	60.9	60.5
CCB	17	150	150
-08	18	244.9	217.1
-09	19	234.4	209.2
-10	20	217.7	204.4
-11	21	253.6	208.3
CCV	22	60.0	60.2
CCB	23	150	150

Notes:



TIME [min]

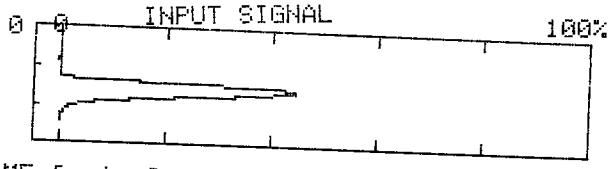
SAMPLE# 2 TC
[x30, C# 3, DENSITY 1.0mg/µl]

#	AREA	%	AMNT(mg)
1	0	-0.16	150.0
MN	0	-0.16	150.0
SD		0.000	
CV		0.00%	

ICB

DATE 06(JUN)-18-2007 12:39

TOC 2



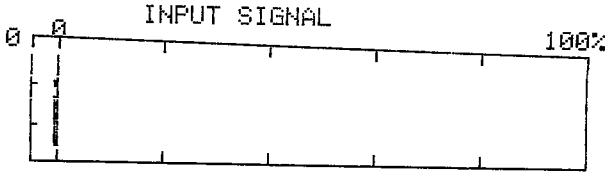
TIME [min]

SAMPLE# 1 TC
[x30, C# 3, DENSITY 1.0mg/µl]

#	AREA	%	AMNT(mg)
1	18472	48.88	60.50
MN	18472	48.88	60.50
SD		0.000	
CV		0.00%	

ICV

DATE 06(JUN)-18-2007 12:28



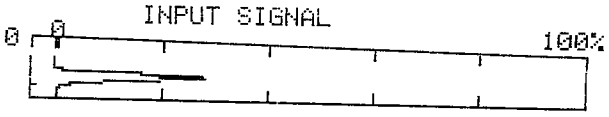
TIME [min]

SAMPLE# 2 IC
[x30, C# 4, DENSITY 1.0mg/µl]

#	AREA	%	AMNT(mg)
1	0	0.072	150.0
MN	0	0.072	150.0
SD		0.000	
CV		0.00%	

SAMPLE# 2 TOC 0.23 %

DATE 06(JUN)-18-2007 12:47



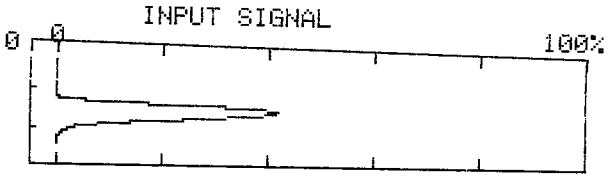
TIME [min]

SAMPLE# 1 IC
[x30, C# 4, DENSITY 1.0mg/µl]

#	AREA	%	AMNT(mg)
1	5613	11.98	60.40
MN	5613	11.98	60.40
SD		0.000	
CV		0.00%	

SAMPLE# 1 TOC 36.90 %

DATE 06(JUN)-18-2007 12:32



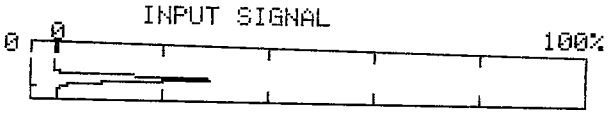
TIME [min]

SAMPLE# 4 TC
[x30, C# 3, DENSITY 1.0mg/µl]

#	AREA	%	AMNT(mg)
1	18849	49.80	60.60
MN	18849	49.80	60.60
SD		0.000	
CV		0.00%	

LCS

DATE 06(JUN)-18-2007 13:21



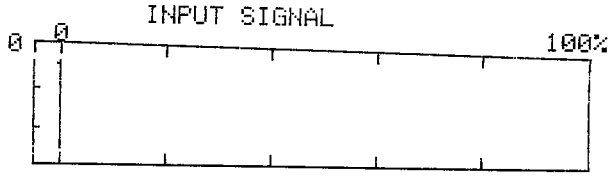
TIME [min]

SAMPLE# 4 IC
[x30, C# 4, DENSITY 1.0mg/µl]

#	AREA	%	AMNT(mg)
1	5540	11.89	60.10
MN	5540	11.89	60.10
SD		0.000	
CV		0.00%	

SAMPLE# 4 TOC 37.91 %

DATE 06(JUN)-18-2007 13:26



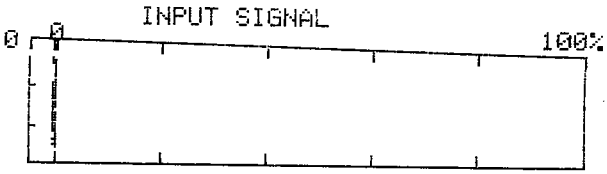
TIME [min]

SAMPLE# 3 TC
[x30, C# 3, DENSITY 1.0mg/µl]

#	AREA	%	AMNT(mg)
1	0	-0.16	150.0
MN	0	-0.16	150.0
SD		0.000	
CV		0.00%	

MB

DATE 06(JUN)-18-2007 12:58



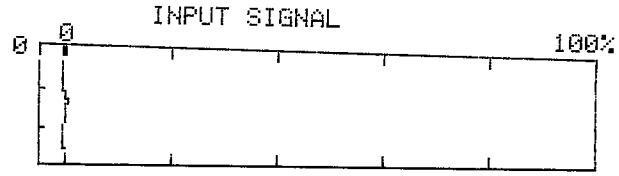
TIME [min]

SAMPLE# 3 IC
[x30, C# 4, DENSITY 1.0mg/µl]

#	AREA	%	AMNT(mg)
1	0	0.072	150.0
MN	0	0.072	150.0
SD		0.000	
CV		0.00%	

SAMPLE# 3 TOC -0.23 %

DATE 06(JUN)-18-2007 13:13



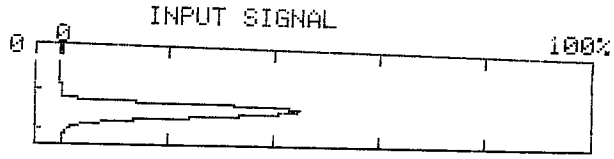
TIME [min]

SAMPLE# 6 TC
[x30, C# 3, DENSITY 1.0mg/µl]

#	AREA %	AMNT(mg)
1	0 -0.10	245.2
MN	0 -0.10	245.2
SD	0.000	
CV	0.00%	

6931-01

DATE 06(JUN)-18-2007 13:49



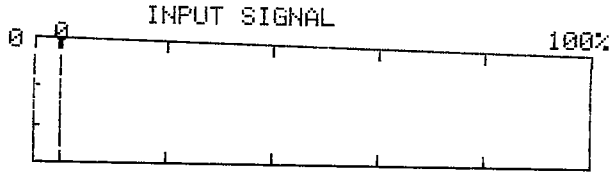
TIME [min]

SAMPLE# 5 TC
[x30, C# 3, DENSITY 1.0mg/µl]

#	AREA %	AMNT(mg)
1	18926 50.25	60.30
MN	18926 50.25	60.30
SD	0.000	
CV	0.00%	

LCSD

DATE 06(JUN)-18-2007 13:33



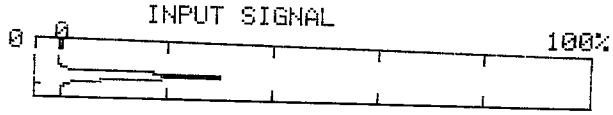
TIME [min]

SAMPLE# 6 IC
[x30, C# 4, DENSITY 1.0mg/µl]

#	AREA %	AMNT(mg)
1	0 0.046	231.5
MN	0 0.046	231.5
SD	0.000	
CV	0.00%	

SAMPLE# 6 TOC -0.14 %

DATE 06(JUN)-18-2007 13:55



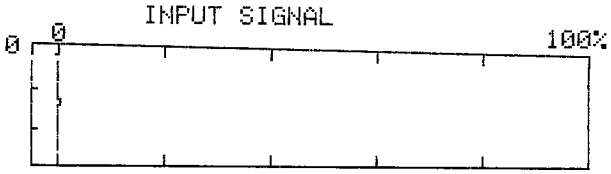
TIME [min]

SAMPLE# 5 IC
[x30, C# 4, DENSITY 1.0mg/µl]

#	AREA %	AMNT(mg)
1	5626 11.91	60.90
MN	5626 11.91	60.90
SD	0.000	
CV	0.00%	

SAMPLE# 5 TOC 38.34 %

DATE 06(JUN)-18-2007 13:37



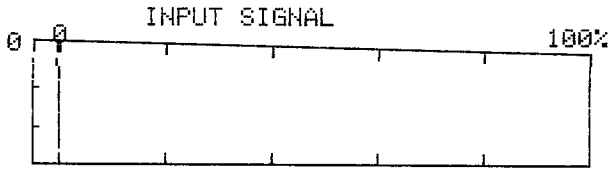
TIME [min]

SAMPLE# 8 TC
[x30, C# 3, DENSITY 1.0mg/µl]

#	AREA %	AMNT(mg)
1	0 -0.10	241.5
MN	0 -0.10	241.5
SD	0.000	
CV	0.00%	

6931-02
DUP

DATE 06(JUN)-18-2007 14:15



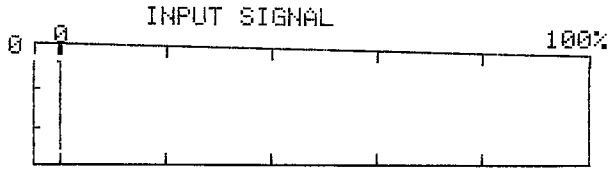
TIME [min]

SAMPLE# 8 IC
[x30, C# 4, DENSITY 1.0mg/µl]

#	AREA %	AMNT(mg)
1	0 0.048	225.2
MN	0 0.048	225.2
SD	0.000	
CV	0.00%	

SAMPLE# 8 TOC -0.14 %

DATE 06(JUN)-18-2007 14:21



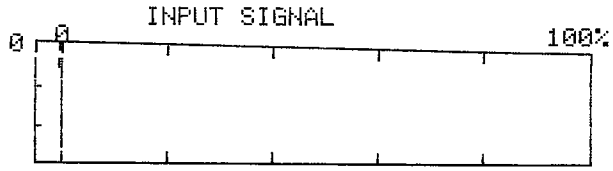
TIME [min]

SAMPLE# 7 TC
[x30, C# 3, DENSITY 1.0mg/µl]

#	AREA %	AMNT(mg)
1	0 -0.10	230.7
MN	0 -0.10	230.7
SD	0.000	
CV	0.00%	

6931-02

DATE 06(JUN)-18-2007 14:01



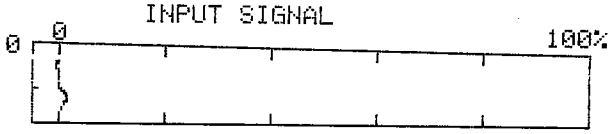
TIME [min]

SAMPLE# 7 IC
[x30, C# 4, DENSITY 1.0mg/µl]

#	AREA %	AMNT(mg)
1	0 0.048	224.8
MN	0 0.048	224.8
SD	0.000	
CV	0.00%	

SAMPLE# 7 TOC -0.14 %

DATE 06(JUN)-18-2007 14:08



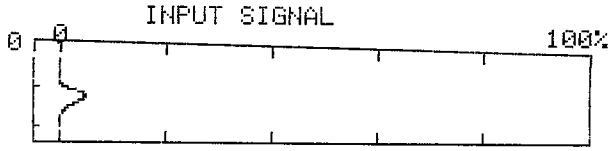
TIME [min]

SAMPLE# 10 TC
[x30, C# 3, DENSITY 1.0mg/µl]

#	AREA	%	AMNT(mg)
1	719	0.385	237.3
MN	719	0.385	237.3
SD		0.000	
CV		0.00%	

6960-02

DATE 06(JUN)-18-2007 14:41



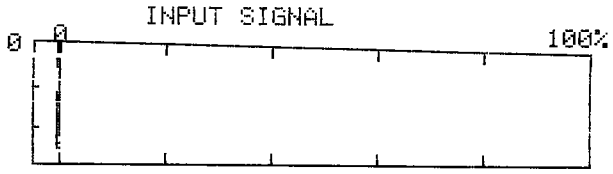
TIME [min]

SAMPLE# 9 TC
[x30, C# 3, DENSITY 1.0mg/µl]

#	AREA	%	AMNT(mg)
1	2223	1.391	240.2
MN	2223	1.391	240.2
SD		0.000	
CV		0.00%	

6960-01

DATE 06(JUN)-18-2007 14:26



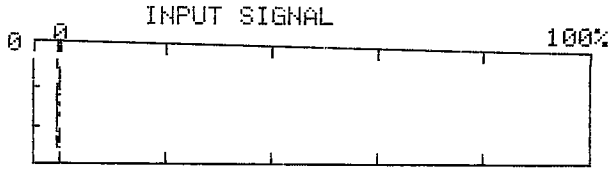
TIME [min]

SAMPLE# 10 IC
[x30, C# 4, DENSITY 1.0mg/µl]

#	AREA	%	AMNT(mg)
1	0	0.046	230.2
MN	0	0.046	230.2
SD		0.000	
CV		0.00%	

SAMPLE# 10 TOC 0.339 %

DATE 06(JUN)-18-2007 14:50



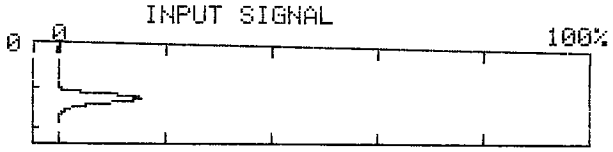
TIME [min]

SAMPLE# 9 IC
[x30, C# 4, DENSITY 1.0mg/µl]

#	AREA	%	AMNT(mg)
1	0	0.048	224.1
MN	0	0.048	224.1
SD		0.000	
CV		0.00%	

SAMPLE# 9 TOC 1.343 %

DATE 06(JUN)-18-2007 14:33



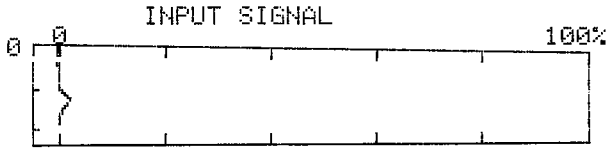
TIME [min]

SAMPLE# 12 TC
[x30, C# 3, DENSITY 1.0mg/µl]

#	AREA %	AMNT(mg)
1	4665 3.462	210.4
MN	4665 3.462	210.4
SD	0.000	
CV	0.00%	

6960-04

DATE 06(JUN)-18-2007 15:09



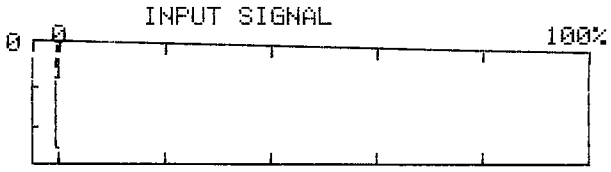
TIME [min]

SAMPLE# 11 TC
[x30, C# 3, DENSITY 1.0mg/µl]

#	AREA %	AMNT(mg)
1	845 0.502	222.5
MN	845 0.502	222.5
SD	0.000	
CV	0.00%	

6960-03

DATE 06(JUN)-18-2007 14:56



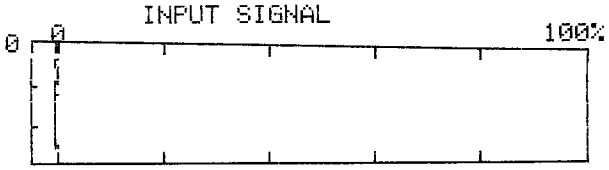
TIME [min]

SAMPLE# 12 IC
[x30, C# 4, DENSITY 1.0mg/µl]

#	AREA %	AMNT(mg)
1	0 0.049	216.6
MN	0 0.049	216.6
SD	0.000	
CV	0.00%	

SAMPLE# 12 TOC 3.413 %

DATE 06(JUN)-18-2007 15:15



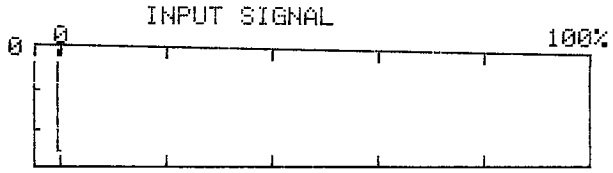
TIME [min]

SAMPLE# 11 IC
[x30, C# 4, DENSITY 1.0mg/µl]

#	AREA %	AMNT(mg)
1	0 0.046	233.9
MN	0 0.046	233.9
SD	0.000	
CV	0.00%	

SAMPLE# 11 TOC 0.456 %

DATE 06(JUN)-18-2007 15:03



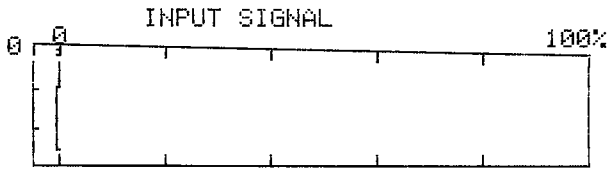
TIME [min]

SAMPLE# 14 TC
[x30, C# 3, DENSITY 1.0mg/µl]

#	AREA %	AMNT(mg)
1	0 -0.10	229.7
MN	0 -0.10	229.7
SD	0.000	
CV	0.00%	

6960-06

DATE 06(JUN)-18-2007 15:47



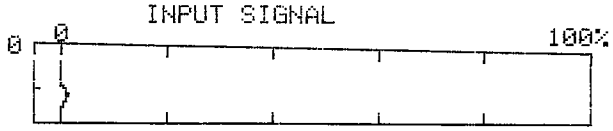
TIME [min]

SAMPLE# 14 IC
[x30, C# 4, DENSITY 1.0mg/µl]

#	AREA %	AMNT(mg)
1	0 0.050	213.2
MN	0 0.050	213.2
SD	0.000	
CV	0.00%	

SAMPLE# 14 TOC -0.14 %

DATE 06(JUN)-18-2007 15:53



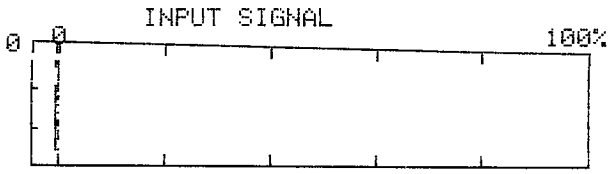
TIME [min]

SAMPLE# 13 TC
[x30, C# 3, DENSITY 1.0mg/µl]

#	AREA %	AMNT(mg)
1	621 0.335	225.6
MN	621 0.335	225.6
SD	0.000	
CV	0.00%	

6960-05

DATE 06(JUN)-18-2007 15:22



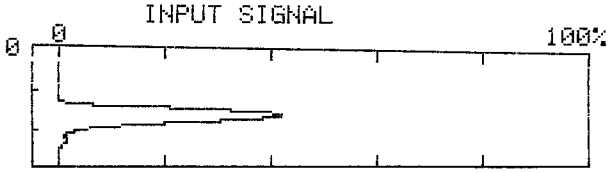
TIME [min]

SAMPLE# 13 IC
[x30, C# 4, DENSITY 1.0mg/µl]

#	AREA %	AMNT(mg)
1	0 0.049	217.8
MN	0 0.049	217.8
SD	0.000	
CV	0.00%	

SAMPLE# 13 TOC 0.286 %

DATE 06(JUN)-18-2007 15:34



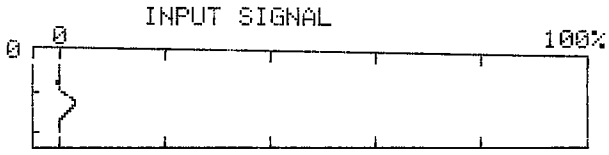
TIME [min]

SAMPLE# 16 TC
[x30, C# 3, DENSITY 1.0mg/µl]

#	AREA %	AMNT(mg)
1	18751 49.29	60.90
MN	18751 49.29	60.90
SD	0.000	
CV	0.00%	

CCV

DATE 06(JUN)-18-2007 16:23



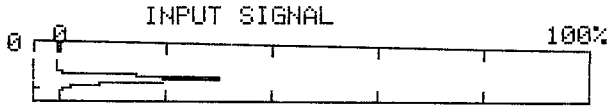
TIME [min]

SAMPLE# 15 TC
[x30, C# 3, DENSITY 1.0mg/µl]

#	AREA %	AMNT(mg)
1	1541 0.999	224.4
MN	1541 0.999	224.4
SD	0.000	
CV	0.00%	

6960-07

DATE 06(JUN)-18-2007 16:09



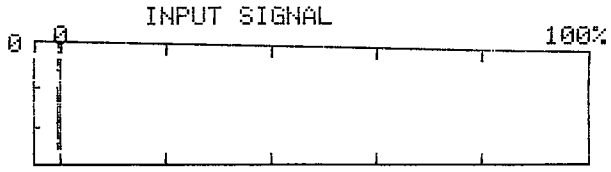
TIME [min]

SAMPLE# 16 IC
[x30, C# 4, DENSITY 1.0mg/µl]

#	AREA %	AMNT(mg)
1	5453 11.63	60.50
MN	5453 11.63	60.50
SD	0.000	
CV	0.00%	

SAMPLE# 16 TOC 37.66 %

DATE 06(JUN)-18-2007 16:26



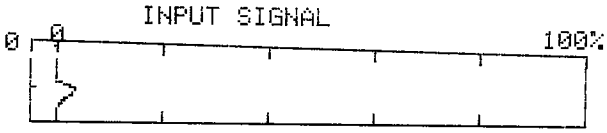
TIME [min]

SAMPLE# 15 IC
[x30, C# 4, DENSITY 1.0mg/µl]

#	AREA %	AMNT(mg)
1	0 0.045	237.6
MN	0 0.045	237.6
SD	0.000	
CV	0.00%	

SAMPLE# 15 TOC 0.954 %

DATE 06(JUN)-18-2007 16:16



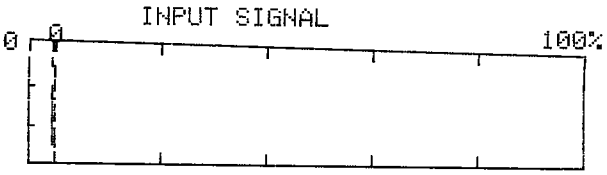
TIME [min]

SAMPLE# 18 TC
[x30, C# 3, DENSITY 1.0mg/µl]

#	AREA	%	AMNT(mg)
1	1490	0.881	244.9
MN	1490	0.881	244.9
SD		0.000	
CV		0.00%	

6960-08

DATE 06(JUN)-18-2007 16:46



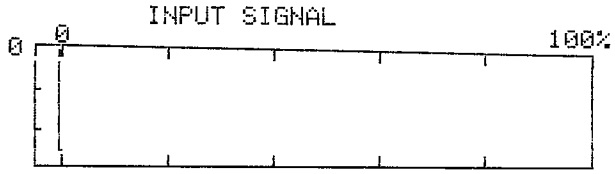
TIME [min]

SAMPLE# 18 IC
[x30, C# 4, DENSITY 1.0mg/µl]

#	AREA	%	AMNT(mg)
1	0	0.049	217.1
MN	0	0.049	217.1
SD		0.000	
CV		0.00%	

SAMPLE# 18 TOC 0.832 %

DATE 06(JUN)-18-2007 16:52



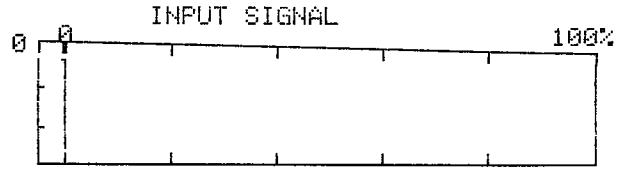
TIME [min]

SAMPLE# 17 TC
[x30, C# 3, DENSITY 1.0mg/µl]

#	AREA	%	AMNT(mg)
1	0	-0.16	150.0
MN	0	-0.16	150.0
SD		0.000	
CV		0.00%	

CCIS

DATE 06(JUN)-18-2007 16:33



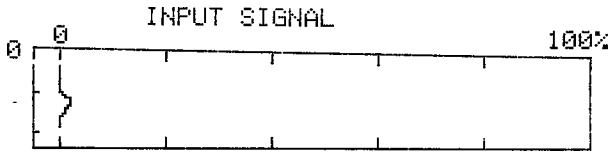
TIME [min]

SAMPLE# 17 IC
[x30, C# 4, DENSITY 1.0mg/µl]

#	AREA	%	AMNT(mg)
1	0	0.072	150.0
MN	0	0.072	150.0
SD		0.000	
CV		0.00%	

SAMPLE# 17 TOC -0.23 %

DATE 06(JUN)-18-2007 16:39



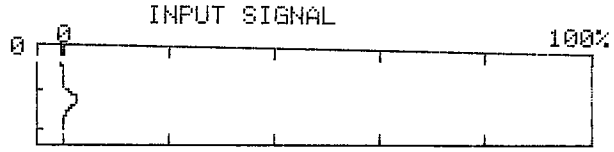
TIME [min]

SAMPLE# 20 TC
[x30, C# 3, DENSITY 1.0mg/µl]

#	AREA %	AMNT(mg)
1	962 0.600	217.7
MN	962 0.600	217.7
SD	0.000	
CV	0.00%	

6960-10

DATE 06(JUN)-18-2007 17:09



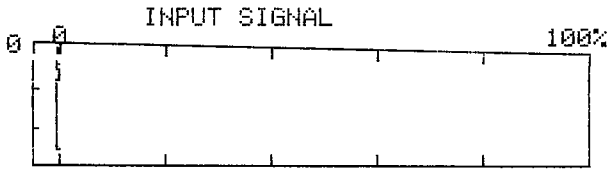
TIME [min]

SAMPLE# 19 TC
[x30, C# 3, DENSITY 1.0mg/µl]

#	AREA %	AMNT(mg)
1	1303 0.792	234.4
MN	1303 0.792	234.4
SD	0.000	
CV	0.00%	

6960-09

DATE 06(JUN)-18-2007 16:57



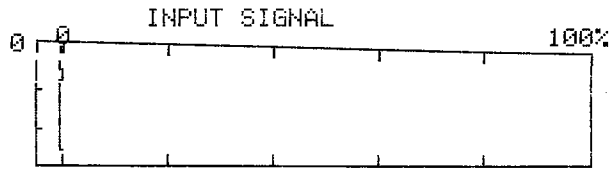
TIME [min]

SAMPLE# 20 IC
[x30, C# 4, DENSITY 1.0mg/µl]

#	AREA %	AMNT(mg)
1	0 0.052	204.4
MN	0 0.052	204.4
SD	0.000	
CV	0.00%	

SAMPLE# 20 TOC 0.548 %

DATE 06(JUN)-18-2007 17:15



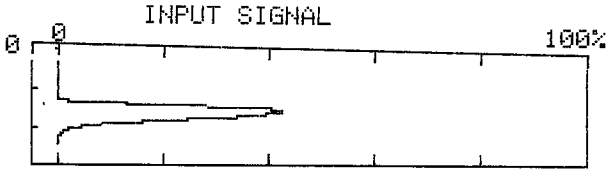
TIME [min]

SAMPLE# 19 IC
[x30, C# 4, DENSITY 1.0mg/µl]

#	AREA %	AMNT(mg)
1	0 0.051	209.2
MN	0 0.051	209.2
SD	0.000	
CV	0.00%	

SAMPLE# 19 TOC 0.741 %

DATE 06(JUN)-18-2007 17:03



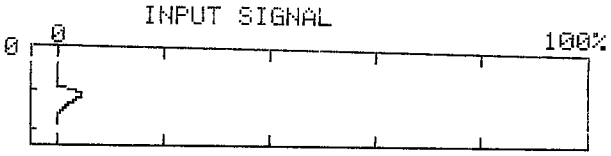
TIME [min]

SAMPLE# 22 TC
[x30, C# 3, DENSITY 1.0mg/µl]

#	AREA %	AMNT(mg)
1	18488	49.33 60.00
MN	18488	49.33 60.00
SD	0.000	
CV	0.00%	

CCV

DATE 06(JUN)-18-2007 17:36



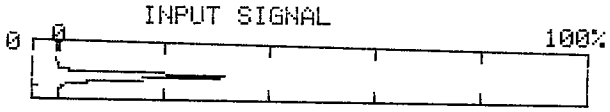
TIME [min]

SAMPLE# 21 TC
[x30, C# 3, DENSITY 1.0mg/µl]

#	AREA %	AMNT(mg)
1	1998	1.275 233.6
MN	1998	1.275 233.6
SD	0.000	
CV	0.00%	

6960-11

DATE 06(JUN)-18-2007 17:22



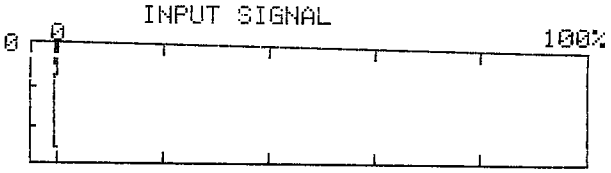
TIME [min]

SAMPLE# 22 IC
[x30, C# 4, DENSITY 1.0mg/µl]

#	AREA %	AMNT(mg)
1	5511	11.81 60.20
MN	5511	11.81 60.20
SD	0.000	
CV	0.00%	

SAMPLE# 22 TOC 37.52 %

DATE 06(JUN)-18-2007 17:39



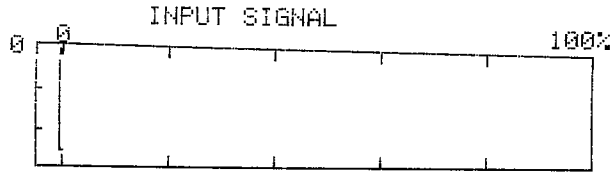
TIME [min]

SAMPLE# 21 IC
[x30, C# 4, DENSITY 1.0mg/µl]

#	AREA %	AMNT(mg)
1	0	0.051 208.3
MN	0	0.051 208.3
SD	0.000	
CV	0.00%	

SAMPLE# 21 TOC 1.224 %

DATE 06(JUN)-18-2007 17:28



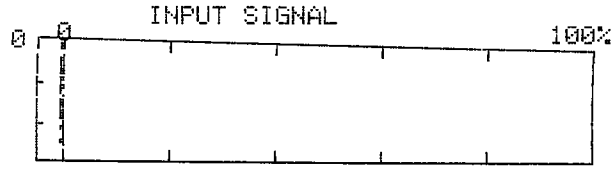
TIME [min]

SAMPLE# 23 TC
[x30, C# 3, DENSITY 1.0mg/µl]

#	AREA %	AMNT(mg)
1	0 -0.16	150.0
MN	0 -0.16	150.0
SD	0.000	
CV	0.00%	

CCB

DATE 06(JUN)-18-2007 17:46



TIME [min]

SAMPLE# 23 IC
[x30, C# 4, DENSITY 1.0mg/µl]

#	AREA %	AMNT(mg)
1	0 0.072	150.0
MN	0 0.072	150.0
SD	0.000	
CV	0.00%	

SAMPLE# 23 TOC -0.23 %

DATE 06(JUN)-18-2007 17:55

STANDARDS LOG

Methods: 9060 MOD

SDG No.: 2506931

STANDARD LOT	ID	MFG LOT	MANUFACTURER	EXPIRATION DATE	FINAL VOLUME	CREATED/RECEIVED	BY
IS2681,2682 - 6702	9060S_SPK	42057242,X30475	EM,JTBaker	3/4/2008 10:56:00 AM	500 grams	10/30/2000 10:56:00 AI	DTHO

470000 mg/Kg: TOC, TOC AVERAGE

STANDARD LOT	ID	MFG LOT	MANUFACTURER	EXPIRATION DATE	FINAL VOLUME	CREATED/RECEIVED	BY
IS3213 - 51502	9060S_LCS	X50H04	JTBaker	5/3/2010 12:00:00 PM	500 grams	5/12/2005 9:10:50 AM	mdai

470000 mg/Kg: TOC, TOC AVERAGE

PEL Laboratories, Inc.

Customer Name:	CH2M Hill
Date and Time Received:	8/24/2007 10:15:00 AM
Date Reported:	9/14/2007
Laboratory Submission Number/SDG:	2507429
Project:	NTC Orlando / TO-5

Samples: The submission consisted of 2 samples with sample identification shown in the attached data tables.

Tests: The samples were analyzed for the methods listed on the attached table of contents.

Results: See the attached data tables for results.

Distribution of Report to:

CH2M Hill
Attn: Kama White
Phone: W 770-604-9182
F 770-604-9282

Respectfully Submitted,

Brian Spann
Laboratory Manager
PEL Laboratories, Inc.

Note: Submitted material will be retained for 30 days unless otherwise requested by client or consumed in analysis. PEL letters and reports are i the exclusive use of the client to whom they are addressed. Our Letters and reports apply to the sample tested and are not necessarily indicative c the qualities of apparently identical or similar materials

4420 Pendola Point Road • Tampa, Florida 33619
(813)247-2805 • FAX: (813)248-1537
Website: www.pelab.com

Outside Lab **1**
Chain of Custody Documentation **41**
Addendum **46**

Outside Lab

300905 1433

156 Starlite Drive, Marietta, OH 45750 • TEL 740-373-4071 • FAX 740-373-4835 • http://www.kemron.com

Laboratory Report Number: L0708676

Please find enclosed the analytical results for the samples you submitted to KEMRON Environmental Services.

Review and compilation of your report was completed by KEMRON's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact your team member noted in the reviewed box bleow at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

Debra Elliott - Team Leader
delliott@kemron-lab.com

Kathy Albertson - Team Chemist/Data Specialist
kalbertson@kemron-lab.com

Stephanie Mossburg - Team Chemist/Data Specialist
smossburg@kemron-lab.com

Brenda Gregory - Client Services Specialist
bgregory@kemron-lab.com

Jacqueline Parsons - Team Assistant
jparsons@kemron-lab.com

Amanda Fickiesen - Client Services Specialist
afickiesen@kemron-lab.com

Annie Bock - Client Services Specialist
abock@kemron-lab.com

Katie Barnes - Team Assistant
kbarnes@kemron-lab.com

Cara Strickler - Team Assistant
cstrickler@kemron-lab.com

This report was reviewed on September 04, 2007.

Annie Bock

ANNIE BOCK - Client Services Specialist

I certify that all test results meet all of the requirements of the DoD QSM Version 3 and other applicable contract terms and conditions. Any exceptions are attached to this cover page or addressed in the method narratives presented in this report. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on a 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of KEMRON Environmental Services.

This report was certified on September 04, 2007.

David E. Vandenberg

David Vandenberg - Vice President

FL DOH NELAP ID: E8755
This report contains a total of 39 pages.

Protecting Our Environmental Future

KEMRON REPORT L0708676
PREPARED FOR PEL Laboratories
WORK ID:

1.0 Introduction 3
2.1 General Chemistry Data 4
2.1.1 Percent Solids Data 6
2.1.1.1 Raw Data 7
2.1.2 Total Organic Carbon Data 11
2.1.2.1 Summary Data 12
2.1.2.2 QC Summary Data 16
2.1.2.3 Raw Data 19
3.0 Attachments 34

1.0 Introduction

2.1 General Chemistry Data

KEMRON ENVIRONMENTAL SERVICES
GENERAL CHEMISTRY

KEMRON Login No.: L0708676

METHOD

Analysis: See report for method reference.

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Matrix Spikes: All acceptance criteria were met.

SAMPLES

There were no technical difficulties with the sample group.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: DR

Approved: 31-AUG-07
Donna Hasson

2.1.1 Percent Solids Data

2.1.1.1 Raw Data

Example Percent Solids Calculations

1.0 Calculating the percent solids of a sample.

$$\%Solids = \frac{WT3 - WT1}{WT2 - WT1} \times F$$

Where:

WT1 = Weight, in grams, of the empty container	1.30 g
WT2 = Weight, in grams, of the container and wet sample	21.274 g
WT3 = Weight, in grams, of the container and dried sample	5.21 g
F = Factor to get units as percent weight	100
%Solids = Percent solids present in sample.	19.58%

WORKGROUP: WG248810

PERCENT SOLIDS

SOP K0003 Rev: 9

Balance: OHAUS EIRW60/Other

Sample	Empty Pan WT 1	WET WT2	DRY WT 3A	WET WT 3B	DRY WT 3C
L0708631-01	1.28	21.77	19.48		
L0708674-03	1.25	39.04	31.93		
04	1.24	36.52	28.73		
05	1.25	38.19	30.17		
06	1.27	32.94	27.40		
L0708680-02	1.26	25.34	20.70		
03	1.27	37.75	29.41		
04	1.27	28.09	24.45		
05	1.26	36.01	28.63		
06	1.27	34.65	30.56		
07	1.28	25.45	20.25		
08	1.24	36.61	29.01		
09	1.24	24.68	20.33		
010	1.25	24.85	21.24		
011	1.25	29.50	23.66		
012	1.23	34.11	31.95		
L0708676-01	1.23	34.43	28.13		
02	1.22	24.68	19.95		
L0708616-5 ~~0675~~	1.22	38.48	36.23		
L0708633-01	1.22	28.41	28.08		
Duplicate: L0708676-2	1.24	24.80	20.22		

Analyst: Justin J. Hesson

ADT (on): 8/28/2007 0825

ADT (off): 8/29/2007 0750

ADT (off): _____

DCN#70753

Approved: August 29, 2007

KEMRON ENVIRONMENTAL SERVICES
PERCENT SOLID REPORT

Workgroup (AAB#):WG248810
Method:D2216-90

Run Date:08/28/2007
Run Time:08:25
Analyst:DIH

SAMPLE NUMBER	Pan WT.	Int WT.	Fnl WT.	% Solid	% Moist	UNITS
L0708616-05	1.220	38.48	36.23	93.96		%
L0708616-06	1.220	38.48	36.23	93.96		%
L0708616-07	1.220	38.48	36.23	93.96		%
L0708631-01	1.280	21.77	19.48	88.82		%
L0708633-01	1.220	28.41	28.08	98.79		%
L0708674-03	1.250	39.04	31.93	81.19		%
L0708674-04	1.240	36.52	28.73	77.92		%
L0708674-05	1.250	38.19	30.17	78.29		%
L0708674-06	1.270	32.94	27.40	82.51		%
L0708676-01	1.230	34.43	28.13	81.02		%
L0708676-02	1.220	24.68	19.95	79.84		%
L0708680-02	1.260	25.34	20.70	80.73		%
L0708680-03	1.270	37.75	29.41	77.14		%
L0708680-04	1.270	28.09	24.45	86.43		%
L0708680-05	1.260	36.01	28.63	78.76		%
L0708680-06	1.270	34.65	30.56	87.75		%
L0708680-07	1.280	25.95	20.25	76.90		%
L0708680-08	1.240	36.61	29.01	78.51		%
L0708680-09	1.240	24.68	20.33	81.44		%
L0708680-10	1.250	24.84	21.24	84.74		%
L0708680-11	1.250	29.50	23.66	79.33		%
L0708680-12	1.230	34.11	31.95	93.43		%
WG248810-01	1.230	34.11	31.95	93.43	6.569	%
WG248810-02	1.240	24.80	20.22	80.56	19.44	%

KEMRON FORMS - Modified 02/25/2007
Version 1.2
Report generated 08/29/2007 09:57

Approved: August 29, 2007

2.1.2 Total Organic Carbon Data

2.1.2.1 Summary Data

LABORATORY REPORT

L0708676

09/04/07 08:17

Submitted By

KEMRON Environmental Services
156 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: PEL Laboratories
4420 Pendola Point Road

Tampa, FL 33619
Attention: Darcy Weisman

Account Number: 2921
Work ID: NTC ORLANDO

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
TO05OU21W2AE	L0708676-01	LYDKHN	1	25-AUG-07
TO05OU21W2BE	L0708676-02	LYDKHN	1	25-AUG-07

KEMRON ENVIRONMENTAL SERVICES

Report Number: **L0708676**
Report Date : **September 4, 2007**

Sample Number: **L0708676-01**
Client ID: **TO05OU21W2AE**
Matrix: **Soil**
Workgroup Number: **WG249131**
Collect Date: **08/23/2007 10:10**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **LYDKHN**
Analytical Method: **LYDKHN**
Analyst: **DR**
Dilution: **1**
Units: **mg/kg**

Instrument: **TOC-VWP**
Prep Date: **08/31/2007 10:42**
Cal Date: **02/26/2007 11:40**
Run Date: **08/31/2007 10:42**
File ID: **TC08-31-2007.06**
Percent Solid: **81.0**

Analyte	CAS. Number	Result	Qual	RL	MDL
Total Organic Carbon			U	1230	617

U Undetected; the analyte was analyzed for, but not detected.

Report Number: **L0708676**
Report Date : **September 4, 2007**

Sample Number: **L0708676-02**
Client ID: **TO05OU21W2BE**
Matrix: **Soil**
Workgroup Number: **WG249131**
Collect Date: **08/23/2007 10:40**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **LYDKHN**
Analytical Method: **LYDKHN**
Analyst: **DR**
Dilution: **1**
Units: **mg/kg**

Instrument: **TOC-VWP**
Prep Date: **08/31/2007 10:48**
Cal Date: **02/26/2007 11:40**
Run Date: **08/31/2007 10:48**
File ID: **TC08-31-2007.07**
Percent Solid: **79.8**

Analyte	CAS. Number	Result	Qual	RL	MDL
Total Organic Carbon			U	1250	626

U Undetected; the analyte was analyzed for, but not detected.

2.1.2.2 QC Summary Data

Total Organic Carbon Example Calculations
(Direct Readout Parameter)

(Readout)/(dilution) = mg/L

where:

Readout = direct readout from the instrument
dilution = dilution in decimal form (ex. 1/5 dilution = 0.2)

KEMRON Environmental Services
Data Checklist

Date: 31-AUG-2007
Analyst: DR
Analyst: NA
Method: TOC-SOIL
Instrument: TOC-VWP
Curve Workgroup: NA
Runlog ID:
Analytical Workgroups: WG249131

Calibration/Linearity	2/28/2007
Second Source Check	
ICV/CCV (std)	X
ICB/CCB	X
Blank	X
LCS/LCS Dup	X
MS/MSD	X
Duplicate	X
Upload Results	X
Client Forms	X
QC Violation Sheet	
Case Narratives	
Signed Raw Data	X
STD/LCS on benchsheet	X
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	DR
Secondary Reviewer	DIH
Comments	

Primary Reviewer:
31-AUG-2007
Deanna Roberts

Secondary Reviewer:
31-AUG-2007
Donna Hesson

Generated: AUG-31-2007 17:11:18

2.1.2.3 Raw Data

TC/TIC
Curves

KEMRON
ENVIRONMENTAL SERVICES

Total Organic Carbon

MAKE DAILY

CCV (TOC): _____
$\left(\frac{10}{200}(1000) = 50\ mg/L\right)$ $\left(\frac{2}{200}(1000) = 10\ mg/L\right)$

CCV (TIC): _____
$\left(\frac{5}{200}(1000) = 25\ mg/L\right)$

See below

LCS (TOC): _____
$\left(\frac{5}{200}(1000) = 25\ mg/L\right)$

MS (TOC): _____

Calibration Curve Date: _____

☑ EPA 415.1 TOC / TOC-4 / TOC-D / TOCLOW
☐ SW846 9060 TOC-14 / TOC-44

SOP: K 4151 Rev. 11
Instrument: Shimadza TOC-VWP/ASI

DAILY CHECK

☑ drain reservoir filled
☑ ASI water bottle full
☑ dilution water bottle full

☑ 3rd bottle full
☑ sufficient gas
☑ sufficient persulfate

☑ sufficient acid
☑ waste container

Position	Sample ID	Dilution
1	TC Curve	
2	TIC curve	
3	TC ICV	
4	TIC ICV	
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

Position	Sample ID	Dilution
26	curve std	
27	TC: STD 17869	
28	TIC: STD 16475	
29		
30		
31	ICV:	
32	TC STD 16885	
33	TIC STD 17080	
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		

Position	Sample ID	Dilution
51		
52	from SOP	
53	" "	"
54		
55		
56		
57	5/200(1000)=25	
58	↓	↓
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
71		
72		
73		
74		
75		

Analyst: Deanna Roberts Date: 2/26/07 Time: _____

DCN#68372

Kjeanna Roberts

Approved: March 19, 2007

Instr.Information

System TOCVW ASI
Detector Wet Chemical

Cal. Curve

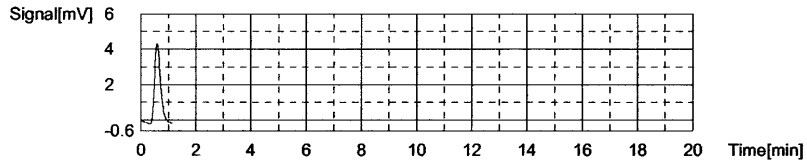
Sample Name: TC CURVE
Sample ID: Untitled
Cal. Curve: TCCURVE-02-26-2007.2007_02_26_10_12_35.cal
Status Completed

Type	Anal.
Standard	TC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	6.664	500uL	1	*******		02/26/2007 10:16:35 AM

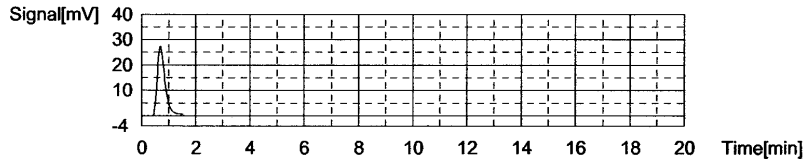
Acid Add. 0.000%
Mean Area 6.664



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	53.24	500uL	1	*******		02/26/2007 10:23:07 AM

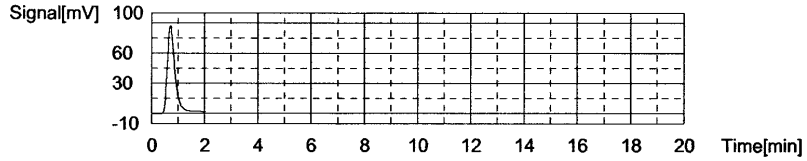
Acid Add. 0.000%
Mean Area 53.24



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	175.0	500uL	1	*******		02/26/2007 10:30:22 AM

Acid Add. 0.000%
Mean Area 175.0

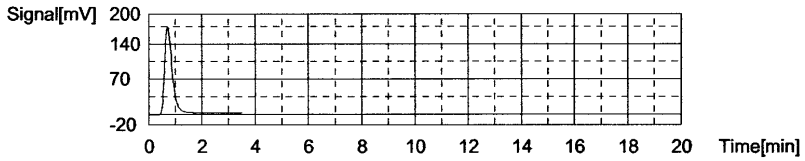


Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	369.9	500uL	1	*******		02/26/2007 10:39:05 AM

Jeanna Roberts
Approved: March 19, 2007

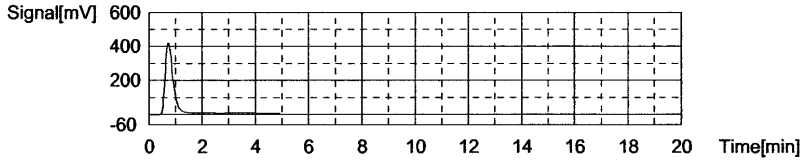
Acid Add. 0.000%
Mean Area 369.9



Conc: 25.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	965.1	500uL	1	T******		02/26/2007 10:49:12 AM

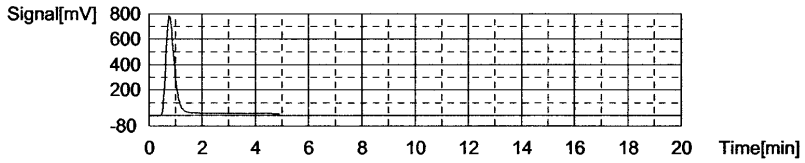
Acid Add. 0.000%
Mean Area 965.1



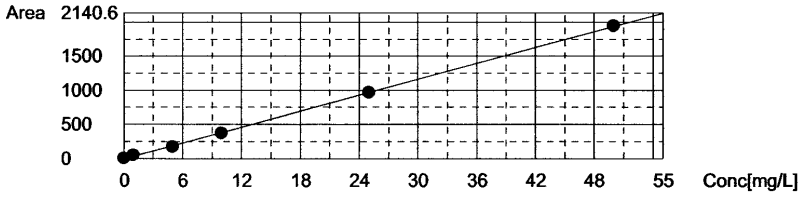
Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1946	500uL	1	T******		02/26/2007 10:59:19 AM

Acid Add. 0.000%
Mean Area 1946



Slope: 38.88
Intercept -3.633
r^2 0.999663
Zero Shift No



Cal. Curve

Sample Name: TIC CURVE
Sample ID: Untitled
Cal. Curve: TICCURVE-02-26-2007.2007_02_26_10_59_19.cal
Status Completed

Type	Anal.
Standard	IC

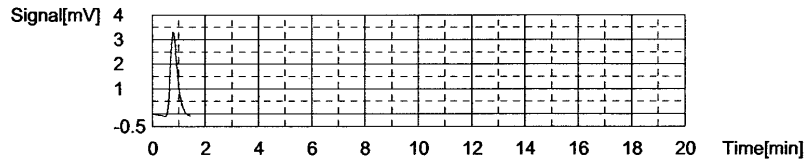
Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	6.426	500uL	1	*******		02/26/2007 11:03:55 AM

Jeanna Roberts

Approved: March 19, 2007

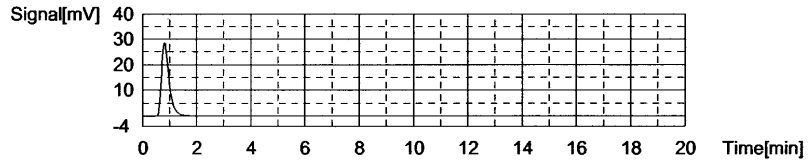
Acid Add. 10.00%
Mean Area 6.426



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	55.25	500uL	1	*******		02/26/2007 11:12:40 AM

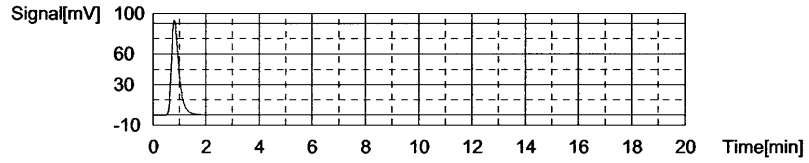
Acid Add. 10.00%
Mean Area 55.25



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	183.5	500uL	1	*******		02/26/2007 11:21:45 AM

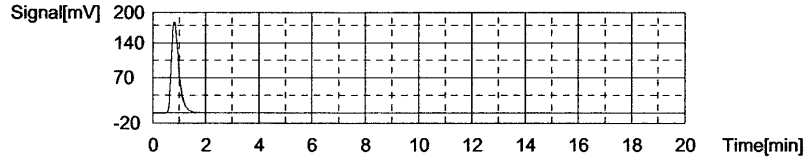
Acid Add. 10.00%
Mean Area 183.5



Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	363.0	500uL	1	*******		02/26/2007 11:31:02 AM

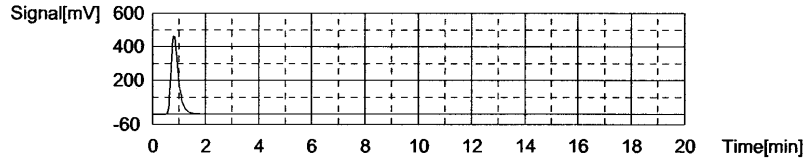
Acid Add. 10.00%
Mean Area 363.0



Conc: 25.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	909.5	500uL	1	*******		02/26/2007 11:40:45 AM

Acid Add. 10.00%
Mean Area 909.5



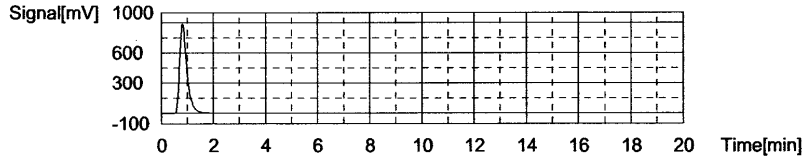
Conc: 50.00mg/L

Jeanna Roberts

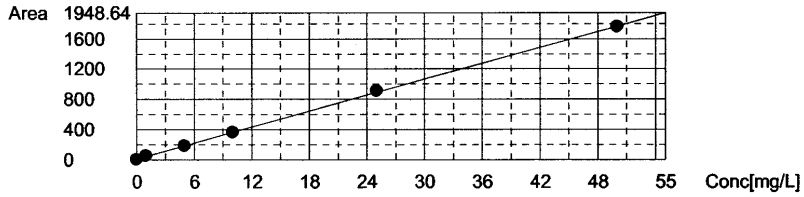
Approved: March 19, 2007

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1764	500uL	1	*******		02/26/2007 11:51:14 AM

Acid Add. 10.00%
Mean Area 1764



Slope: 35.15
Intercept 13.77
r^2 0.999794
Zero Shift No



Sample

Sample Name: TC ICV
Sample ID: Untitled
Origin: TCCURVE-02-26-2007.cal
Status Completed
Chk. Result

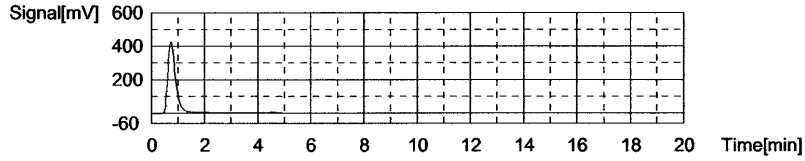
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:23.83mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	922.8	23.83mg/L	500uL	1		TCCURVE-02-26-2007.2007_02_26_10_12_3	02/26/2007 12:02:39 PM

Mean Area 922.8
Mean Conc. 23.83mg/L



Sample

Sample Name: TIC CURVE
Sample ID: Untitled
Origin: TICCURVE-02-26-2007.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:23.43mg/L

1. Det

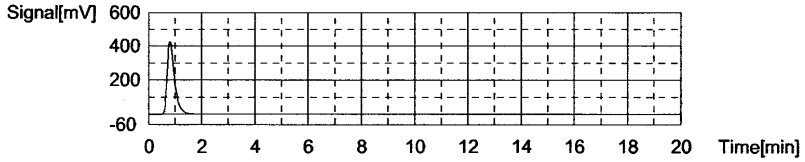
Jeanna Roberts

Approved: March 19, 2007

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	837.6	23.43mg/L	500uL	1		TICCURVE-02-26-2007.2007_02_26_10_59_1	02/26/2007 12:10:52 PM

Mean Area 837.6
Mean Conc. 23.43mg/L



Jeanna Roberts

Approved: March 19, 2007

WG249131

KEMRON ENVIRONMENTAL SERVICES

Total Organic Carbon (Soil)

Calibration curve: 2/28/2007
LCS (TOC): Std 16374
CCV (TOC): Std 19511
MS (TOC): Std 16374
Daily dilution: 40,000

☑ Lloyd Kahn Method
☐ Other: _____

SOP: K 5310 Rev. 7
Instrument: Shimadza TOC-VWP/SSM-5000A

DAILY CHECK

☑ drain reservoir filled
☑ sufficient gas
☑ waste container
☑ tubing connections

Position	Sample ID	Weight (mg)	Position	Sample ID	Weight (mg)
1	CCV 40000	100	26		
2	CCB	100	27		
3	Blank	467.9	28		
4	LCS 8380	382.0	29		
5	LCSDUP 8380	409.0	30		
6	08-676-01	356.9	31		
7	02	372.2	32		
8	DUP ↓	387.8	33		
9	MS ↓	376.4	34		
10	CCV 40000	100	35		
11	CCB	100	36		
12			37		
13			38		
14			39		
15			40		
16			41		
17			42		
18			43		
19			44		
20			45		
21			46		
22			47		
23			48		
24			49		
25			50		

Analyst: Deanna Robert Date: 8/31/07 Time: 0904

DCN#70805

Deanna Robson

Approved: August 31, 2007

KEMRON
ENVIRONMENTAL SERVICES

TOTAL SOIL WET WEIGHTS

LCS (8380 mg/kg): Std 16374

ADT	SAMPLE	WEIGHT (mg)	COMMENTS
DR 8/31/07	Blank	467.9	✓
	LCS	382.0	✓
	LCSDUP	409.0	✓
	08-676-01	356.9	✓
	02	372.2	✓
	DUP ↓	387.8	✓
	MS ↓	376.4/379.9	✓

Dianna Hesson
Approved: August 31, 2007

C:\TOC3201\Data\08-31-2007-DR-SOIL.t32

	Analysi	Sample Name	Result	Status	Date / Time
1	SSM-T	CCV 40000	SSM-TC:38629mg/L	Compl	08/31/2007 09:04:51 AM
2	SSM-T	CCB	!!Error!! SSM-TC:-173.0mg/L	Compl	08/31/2007 09:13:25 AM
3	SSM-T	WG249131-01 BLANK	SSM-TC:19.40mg/L	Compl	08/31/2007 09:17:51 AM
4	SSM-T	WG249131-02 LCS	SSM-TC:7508mg/L	Compl	08/31/2007 09:28:50 AM
5	SSM-T	WG249131-03 LCSDUP	SSM-TC:7364mg/L	Compl	08/31/2007 10:38:03 AM
6	SSM-T	L0708676-01	SSM-TC:936.1mg/L	Compl	08/31/2007 10:42:55 AM
7	SSM-T	L0708676-02	SSM-TC:694.9mg/L	Compl	08/31/2007 10:48:34 AM
8	SSM-T	WG249131-05 DUP	SSM-TC:636.6mg/L	Compl	08/31/2007 10:56:39 AM
9	SSM-T	WG249131-06 MS	SSM-TC:8757mg/L	Compl	08/31/2007 11:12:53 AM
10	SSM-T	CCV 40000	SSM-TC:38396mg/L	Compl	08/31/2007 11:18:42 AM
11	SSM-T	CCB	!!Error!! SSM-TC:-173.0mg/L	Compl	08/31/2007 11:24:31 AM

Deanna Roberts

08/31/2007 11:32:48 AM

1/1

Deanna Hesson

Approved: August 31, 2007

Instr.Information

System TOCVW SSM
Detector Wet Chemical

Deanna Roberts

Sample

Sample Name: CCV 40000
Sample ID:
Origin: SOIL-02-28-2007.met
Status Completed
Chk. Result

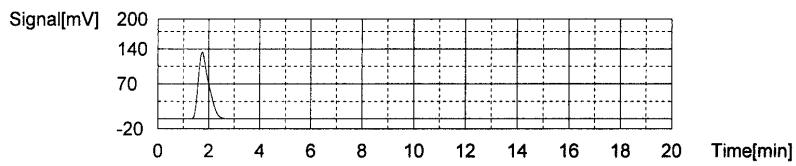
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:38629mg/L

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	382.6	382.6	3863ug	38629mg/L	100.0mg	100uL		SOILCURVE-2-28-2007.2007_02_28_08_47_4	08/31/2007 09:04:51 AM

Mean Area 382.6
Mean CNV 382.6
Mean Conc. 38629mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: SOIL-02-28-2007.met
Status Completed
Chk. Result

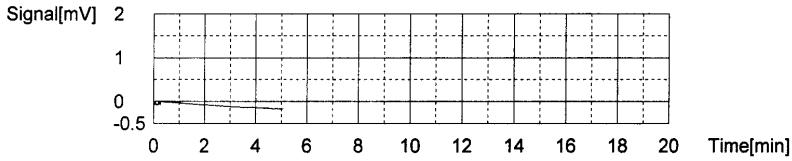
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	!!Error!! SSM-TC:-173.0mg/L

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	0.000	0.000	-17.30ug	-173.0mg/L	100.0mg	100uL		SOILCURVE-2-28-2007.2007_02_28_08_47_4	08/31/2007 09:13:25 AM

Mean Area 0.000
Mean CNV 0.000
Mean Conc. -173.0mg/L



Deanna Hesson
Approved: August 31, 2007

Sample

Sample Name: WG249131-01 BLANK
Sample ID:
Origin: SOIL-02-28-2007.met
Status Completed
Chk. Result

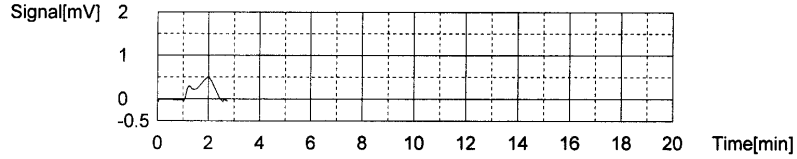
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:19.40mg/L

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	2.601	2.601	9.077ug	19.40mg/L	467.9mg	467uL		SOILCURVE-2-28-2007.2007_02_28_08_47_4	08/31/2007 09:17:51 AM

Mean Area 2.601
Mean CNV 2.601
Mean Conc. 19.40mg/L



Sample

Sample Name: WG249131-02 LCS
Sample ID:
Origin: SOIL-02-28-2007.met
Status Completed
Chk. Result

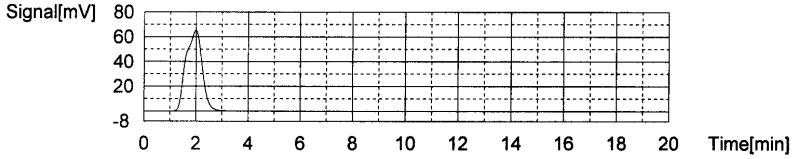
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:7508mg/L

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	284.5	284.5	2868ug	7508mg/L	382.0mg	382uL		SOILCURVE-2-28-2007.2007_02_28_08_47_4	08/31/2007 09:28:50 AM

Mean Area 284.5
Mean CNV 284.5
Mean Conc. 7508mg/L



Sample

Sample Name: WG249131-03 LCSDUP
Sample ID:
Origin: SOIL-02-28-2007.met
Status Completed
Chk. Result

Approved: August 31, 2007

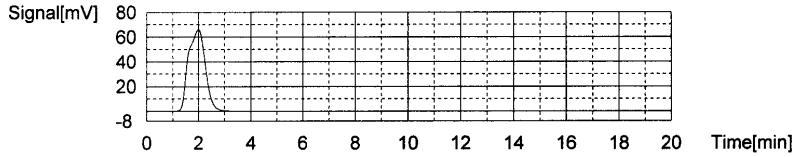
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:7364mg/L

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	298.7	298.7	3012ug	7364mg/L	409.0mg	409uL		SOILCURVE-2-28-2007.2007_02_28_08_47_4	08/31/2007 10:38:03 AM

Mean Area 298.7
Mean CNV 298.7
Mean Conc. 7364mg/L



Sample

Sample Name: L0708676-01
Sample ID:
Origin: SOIL-02-28-2007.met
Status Completed
Chk. Result

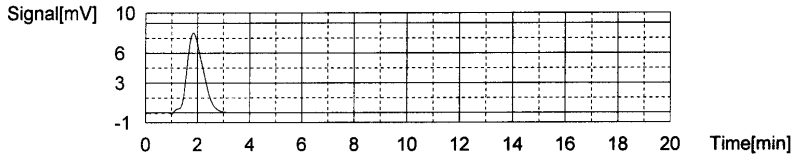
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:936.1mg/L

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	34.65	34.65	334.1ug	936.1mg/L	356.9mg	356uL		SOILCURVE-2-28-2007.2007_02_28_08_47_4	08/31/2007 10:42:55 AM

Mean Area 34.65
Mean CNV 34.65
Mean Conc. 936.1mg/L



Sample

Sample Name: L0708676-02
Sample ID:
Origin: SOIL-02-28-2007.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:694.9mg/L

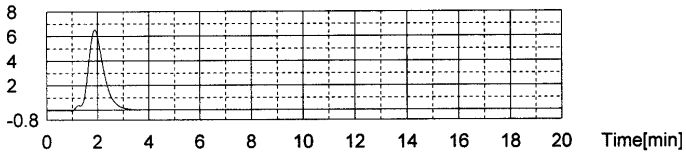
1. Det

Anal.: SSM-TC

Approved: August 31, 2007

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	27.21	27.21	258.7ug	694.9mg/L	372.2mg	372uL		SOILCURVE-2-28-2007.2007_02_28_08_47_4	08/31/2007 10:48:34 AM

Mean Area 27.21
Mean CNV 27.21
Mean Conc. 694.9mg/L



Sample

Sample Name: WG249131-05 DUP
Sample ID:
Origin: SOIL-02-28-2007.met
Status Completed
Chk. Result

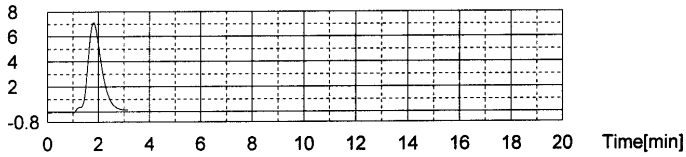
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:636.6mg/L

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	26.05	26.05	246.9ug	636.6mg/L	387.8mg	387uL		SOILCURVE-2-28-2007.2007_02_28_08_47_4	08/31/2007 10:56:39 AM

Mean Area 26.05
Mean CNV 26.05
Mean Conc. 636.6mg/L



Sample

Sample Name: WG249131-06 MS
Sample ID:
Origin: SOIL-02-28-2007.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:8757mg/L

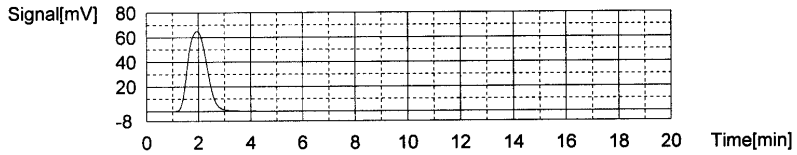
1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	326.7	326.7	3296ug	8757mg/L	376.4mg	376uL		SOILCURVE-2-28-2007.2007_02_28_08_47_4	08/31/2007 11:12:53 AM

Approved: August 31, 2007

Mean Area 326.7
Mean CNV 326.7
Mean Conc. 8757mg/L



Sample

Sample Name: CCV 40000
Sample ID:
Origin: SOIL-02-28-2007.met
Status Completed
Chk. Result

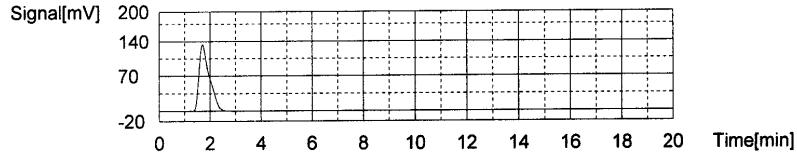
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:38396mg/L

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	380.3	380.3	3840ug	38396mg/L	100.0mg	100uL		SOILCURVE-2-28-2007.2007_02_28_08_47_4	08/31/2007 11:18:42 AM

Mean Area 380.3
Mean CNV 380.3
Mean Conc. 38396mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: SOIL-02-28-2007.met
Status Completed
Chk. Result

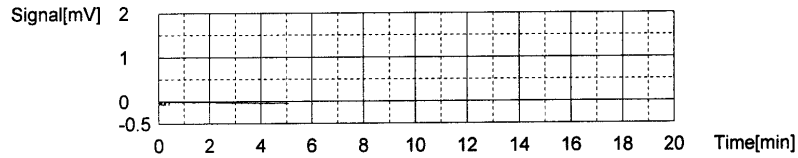
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	!!Error!! SSM-TC:-173.0mg/L

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	0.000	0.000	-17.30ug	-173.0mg/L	100.0mg	100uL		SOILCURVE-2-28-2007.2007_02_28_08_47_4	08/31/2007 11:24:31 AM

Mean Area 0.000
Mean CNV 0.000
Mean Conc. -173.0mg/L



Approved: August 31, 2007

3.0 Attachments

Kemron Environmental Services
Analyst Listing
September 4, 2007

AJF – AMANDA J. FICKIESEN	AJM – ANTHONY J. MOSSBURG	ALB – ANNIE L. BOCK
ARA – ADRIAN R. ACHTERMANN	ASP – AARON S. PETRIE	BRG – BRENDA R. GREGORY
CAA – CASSIE A. AUGENSTEIN	CAF – CHERYL A. FLOWERS	CEB – CHAD E. BARNES
CLC – CHRYS L. CRAWFORD	CLS – CARA L. STRICKLER	CLW – CHARISSA L. WINTERS
CM – CHARLIE MARTIN	CMS – CRYSTAL M. STEPHENS	CPD – CHAD P. DAVIS
CSH – CHRIS S. HILL	DD – DIANE M. DENNIS	DDE – DEBRA D. ELLIOTT
DEL – DON E. LIGHTFRITZ	DEV – DAVID E. VANDENBERG	DGB – DOUGLAS G. BUTCHER
DIH – DEANNA I. HESSON	DLB – DAVID L. BUMGARNER	DLP – DOROTHY L. PAYNE
DLR – DIANNA L. RAUCH	DR – DEANNA ROBERTS	DRP – DAVE R. PITZER
DSF – DEBRA S. FREDERICK	DST – DENNIS S. TEPE	ECL – ERIC C. LAWSON
ED – EMILY E. DECKER	ERE – ERIN R. ELDER	FJB – FRANCES J. BOLDEN
HAV – HEMA VILASAGAR	HJR – HOLLY J. REED	JAB – JUANITA A. BECKER
JAL – JOHN A. LENT	JCO – JOE C. OWENS	JDH – JUSTIN D. HESSON
JKP – JACQUELINE K. PARSONS	JKT – JANE K. THOMPSON	JWR – JOHN W. RICHARDS
JWS – JACK W. SHEAVES	JYH – JI Y. HU	KCZ – KEVIN C. ZUMBRO
KEB – KATHRYN E. BARNES	KHR – KIM H. RHODES	KJW – KATIE J. WIEFERICH
KRA – KATHY R. ALBERTSON	KRV – KATHRINE R. VICKERS	LKN – LINDA K. NEDEFF
LSB – LESLIE S. BUCINA	MDA – MIKE D. ALBERTSON	MDC – MICHAEL D. COCHRAN
MES – MARY E. SCHILLING	MKZ – MARILYN K. ZUMBRO	MLR – MARY L. ROCHOTTE
MMB – MAREN M. BEERY	MRT – MICHELLE R. TAYLOR	MSW – MATT S. WILSON
NJB – NATALIE J. BOOTH	PJM – PAUL J. MILLER	RAH – ROY A. HALSTEAD
RB – ROBERT BUCHANAN	REK – ROBERT E. KYER	RLK – ROBIN L. KLINGER
RNP – RICK N. PETTY	RWC – RODNEY W. CAMPBELL	SLM – STEPHANIE L. MOSSBURG
SLP – SHERI L. PFALZGRAF	SMH – SHAUNA M. HYDE	TDH – TRICIA D. HUCK
TMB – TIFFANY M. BAILEY	TMM – TAMMY M. MORRIS	VC – VICKI COLLIER
WFM – WALTER F. MARTIN		

KEMRON Environmental Services

List of Valid Qualifiers

September 04, 2007

Qualkey: DOD

Qualifier	Description
B	Analyte present in method blank
J	Estimated ; the analyte concentration was greater than the highest standard
J	Estimated ; the analyte concentration was less than the low standard (LOQ)
J	Estimated concentration; sample matrix interference
N	Nontarget analyte; the analyte is a tentativlely identified compound (TIC) by GC/MS
Q	Fails to meet quality control criteria
U	Analyte was not detected. The concentration is at or below the reported MDL.
U	Undetected; the analyte was analyzed for, but not detected.
UJ	Undetected; the analyte was analyzed for, but not detected.
UQ	Undetected; the analyte was analyzed for, but not detected.

*****Special Notes for Organic Analytes**

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound an are matrix dependent.

Kemron Darcy Weisman

CH2MHILL Constructors, Inc.

115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

2507429 KC

[1] COC NUMBER: TO-05082307-1

[2] PROJECT NAME:	[5] PROJECT NUMBER:	[8] LAB NAME AND CONTACT:	[11] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No. , and Fax No.):
NTC Orlando	283383.10.10	Darcy Weisman/ PEL labs	Kama White CH2M Hill CCI	North Park 400, 1000 Abenathy Rd, Suite 1600 Atlanta Ga. 30328
[3] PROJECT PHASE/SITE/TASK:	[6] CTO OR DO NUMBER:	[9] LAB PO NUMBER:	[12] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No. , and Fax No.):
OU-2	TO-05			
[4] PROJECT CONTACT:	[7] PROJECT TEL NO AND FAX NO:	[10] LAB TEL NO AND FAX NO:	[13] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No. , and Fax No.):
Bethany Garvey	770-604-9182	813-247-2085		

[25] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SOP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	TOC SOP	[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	TO05OU2IW2AE	Zone 2 Injection 20'	S	08/23/07	10:10	C	7	X1	N	Caution maybe high VOC's	01
2	TO05OU2IW2BE	Zone 2 Injection 30'	S	08/23/07	10:40	C	7	X1	N	Caution maybe high VOC's	02
3											
4											
5	[redacted]										
6	[redacted]										
7	[redacted]									Please note New Mailing Address.	
8											
9											
10											

[29] SAMPLER(S) AND COMPANY: (please print)
CH2M HILL Isaac Lynch

[30] COURIER AND SHIPPING NUMBER:
Fed Ex 860426079918

[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):
rec'd @ 4.0C TOC to Kemron

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature: [signature]	8-23-07	18:30	Printed Name and Signature: [signature]	8/24/07	1015
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature: Don Lightfn 1421 [signature]	8-25-07	0925

Distribution: [ ] Original - Laboratory (To be returned with Analytical Report); [ ] Copy 1 - Project File; [ ] Copy 2 - PMO

Form CC1001, Rev 06/00

2507429
Page 37

38

KEMRON Environmental Services

SAMPLE RECEIPT FORM

156 Starlite Drive
Marietta, OH 45750
(740) 373-4071

Client:	CH2MHill
Workorder Number:	B N/A
Date Received:	8-25-07
Delivered by:	(✓) Fedx ( ) UPS ( ) Client ( ) Courier Time: 0925
Opened by:	DEL
IR Temp Gun:	(✓) D ( ) G
Logged by:	BG L8-676

Cooler information

Cooler ID	Temp C	Airbill#	COC#	Other
1713	3	672061854683		Soil

Inspection Checklist	Y	N	NA	Discrepancy ID
Were shipping coolers sealed?	✓			
Were custody seals intact?		✓		
Were cooler temperatures in range of 0 - 6?	✓			
Was ice present?	✓			
Were COC's received/information complete/signed/dated?	✓			
Were sample containers and labels intact?	✓			
Were correct containers used?	✓			
Were correct preservatives used (water only)?			✓	
Were pH ranges acceptable?			✓	
Were VOA samples free of headspace?			✓	
Were samples received within EPA hold times?	✓			

Discrepancy/Comments/Other Problems

open cooler then put in cold walk-in

Distribution

Name of KEMRON representative	
Client/Company:	
Person Contacted:	
Date contacted:	

Resolution/other comments:

KEMRON Environmental Services
Internal Chain of Custody Report

Login: L0708676
Account: 2921
Project: 2921.001
Samples: 2
Due Date: 03-SEP-2007

Samplenum	Container ID	Products
L0708676-01	368264	TOC

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	27-AUG-2007 13:36	BRG	
2	ANALYZ	W1	WET	28-AUG-2007 09:46	JDH	JKT

Samplenum	Container ID	Products
L0708676-02	368265	TOC

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	27-AUG-2007 13:36	BRG	
2	ANALYZ	W1	WET	28-AUG-2007 09:46	JDH	JKT

A1 - Sample Archive (COLD)
A2 - Sample Archive (AMBIENT)
F1 - Volatiles Freezer in Login
V1 - Volatiles Refrigerator in Login
W1 - Walkin Cooler in Login

Chain of Custody Documentation

140907 1502

CH2MHILL Constructors, Inc.
115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

2507429 KC

[1] COC NUMBER: TO-05082307-1

[2] PROJECT NAME:	[5] PROJECT NUMBER:	[8] LAB NAME AND CONTACT:	[11] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No. , and Fax No.):
NTC Orlando	283383.10.10	Darcy Weisman/ PEL labs	Kama White CH2M Hill CCI	North Park 400, 1000 Abenathy Rd, Suite 1600 Atlanta Ga. 30328
[3] PROJECT PHASE/SITE/TASK:	[6] CTO OR DO NUMBER:	[9] LAB PO NUMBER:	[12] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No. , and Fax No.):
OU-2	TO-05			
[4] PROJECT CONTACT:	[7] PROJECT TEL NO AND FAX NO:	[10] LAB TEL NO AND FAX NO:	[13] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No. , and Fax No.):
Bethany Garvey	770-604-9182	813-247-2085		

[23] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SOP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	TOC SOil									[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	TO05OU2IW2AE	Zone 2 Injection 20'	S	08/23/07	10:10	C	7	2									N	Caution maybe high VOC's	01
2	TO05OU2IW2BE	Zone 2 Injection 30'	S	08/23/07	10:40	C	7	2									N	Caution maybe high VOC's	02
3																			
4																			
5																			
6																			
7																		Please note New Mailing Address.	
8																			
9																			
10																			

[29] SAMPLER(S) AND COMPANY: (please print)	[30] COURIER AND SHIPPING NUMBER:	[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):
CH2M HILL Isaac Lynch	Fed Ex 860426079918	rec'd @ 4.0C TOC to Kemron

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
[signature]	8-23-07	1830	~~rec'd~~ [signature] IPR	8/24/07	1015
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

Distribution: [ ] Original - Laboratory (To be returned with Analytical Report); [ ] Copy 1 - Project File; [ ] Copy 2 - PMO

Form CCI001, Rev 06/00

2507429

FedEx Express **US Airbill**

FedEx Tracking Number 8604 2607 9918

0200

Recipient's Copy

1 From

Date 8-23-07

Sender's Name ISAAC LYNCH Phone 352 494 3822

Company CH2M HILL CCI

Address 1060 Warehouse Rd

Dept./Floor/Suite/Room

City ORLANDO State FL ZIP 32803

2 Your Internal Billing Reference 283383.10.10

3 To

Recipient's Name DARCY WEISMAN Phone 813 247 2085

Company PEL LABS

Recipient's Address 4420 PENDOLA PT RD

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City TAMPA State FL ZIP 33619

8604 2607 9918

4a Express Package Service *Packages up to 150 lbs.*

- [x] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

FedEx Envelope rate not available. Minimum charge: One-pound rate.

* To most locations.

4b Express Freight Service *Packages over 150 lbs.*

- [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

* Call for Confirmation:

** To most locations.

5 Packaging

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

* Declared value limit $500.

6 Special Handling — Include FedEx address in Section 3.

- [ ] **SATURDAY Delivery** — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- [ ] **HOLD Weekday at FedEx Location** — Not available for FedEx First Overnight.
- [ ] **HOLD Saturday at FedEx Location** — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below.

- [x] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

Obtain Recip. Acct. No. [ ]

Total Packages	Total Weight	Total Declared Value†	Total Charges
1	2	$ .00	Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See back for details.

8 *NEW* Residential Delivery Signature Options If you require a signature, check Direct or Indirect.

- [ ] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Anyone at recipient's address may sign for delivery. *Fee applies.*
- [ ] Indirect Signature — If no one is available at recipient's address, anyone at a neighboring address may sign for delivery. *Fee applies.*

520

Rev. Date 8/05•Part #158281•©1994–2005 FedEx•PRINTED IN U.S.A. SRY

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fedex.com 1.800.GoFedEx 1.800.463.3339

SAMPLE RECEIPT CONFIRMATION SHEET

Client Information

SDG:	2507429	**Req:**	83010
Client:	CH2M Hill	**Project:**	TO-5 / AGVIQ (OU-2 Pilot Study)
Level:	4	**Date Rec'd:**	8/24/07 10:15:00 AM
Rec'd via:	Fed-Ex	**Due Date:**	08/31/07

Sample Verification

Samples/Cooler Secure?	Yes	**All Samples on COC accounted For?**	Yes
Temperature of Samples(Celsius)	4.0C	**All Samples Rec'd Intact?**	Yes
pH Verified?	No	**Sample Vol. Stuff. For Analysis?**	Yes
pH WNL?	No	**Samples Rec'd W/I Hold Time?**	Yes
Soil Origin (Domestic/Foreign):	Domestic	**Are All Samples to be Analyzed?**	Yes
Site Location/Project on COC?	Yes	**Correct Sample Containers?**	Yes
Client Project # on COC?	Yes	**COC Comments written on COC?**	Yes
Project Mgr. Indicated on COC?	Yes	**Samplers Initials on COC?**	Yes
COC relinquished/Dated by Client?	Yes	**Sample Date/Time Indicated?**	Yes
COC Received/Dated by PEL?	Yes	**TAT Requested:**	STD
Specific Subcontract Indicated?	Yes	**Client Requests Verbal Results?**	No
Samples Received By	Fed-Ex	**Client Requests Faxed Results?**	No
PEL to Conduct ALL Analyses?	No		

Subcontract Analysis

Parameter	Due Date	Via	Lab Name	Comments
9060	30-Aug-07	FedEx	KEMRON	TOC

PEER REVIEW _____

Kemron Darcy Weisman

CH2MHILL Constructors, Inc.

115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

2507429 KC

[1] COC NUMBER: TO-05082307-1

[2] PROJECT NAME:	[3] PROJECT NUMBER:	[8] LAB NAME AND CONTACT:	[11] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No. , and Fax No.):
NTC Orlando	283383.10.10	Darcy Weisman/ PEL labs	Kama White CH2M Hill CCI	North Park 400, 1000 Abenathy Rd, Suite 1600 Atlanta Ga. 30328
[5] PROJECT PHASE/SITE/TASK:	[6] CTO OR DO NUMBER:	[9] LAB PO NUMBER:	[12] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No. , and Fax No.):
OU-2	TO-05			
[4] PROJECT CONTACT:	[7] PROJECT TEL NO AND FAX NO:	[10] LAB TEL NO AND FAX NO:	[13] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No. , and Fax No.):
Bethany Garvey	770-604-9182	813-247-2085		

[23] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SOP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	TOC SOP 5060									[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	TO05OU2IW2AE	Zone 2 Injection 20'	S	08/23/07	10:10	C	7	X1									N	Caution maybe high VOC's	01
2	TO05OU2IW2BE	Zone 2 Injection 30'	S	08/23/07	10:40	C	7	X1									N	Caution maybe high VOC's	02
3																			
4																			
5	Report																		
6	Level III & EDD																		
7	DUE 08/30/07																	Please note New Mailing Address.	
8																			
9																			
10																			

[29] SAMPLER(S) AND COMPANY: (please print)	[30] COURIER AND SHIPPING NUMBER:	[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):
CH2M HILL Isaac Lynch	Fed Ex 860426079918	rec'd @ 4.0C TOC to Kemron

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature: Isaac Lynch	8-23-07	1830	Printed Name and Signature: ~~Receipt~~ [illegible]	8/29/07	1015
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

Distribution: [ ] Original - Laboratory (To be returned with Analytical Report); [ ] Copy 1 - Project File; [ ] Copy 2 - PMO

Form CC1001, Rev 06/00

2507429

Addendum

140907 1502

Letter of Acceptance

Customer Name: CH2M Hill

Date and Time Received: 8/24/2007 10:15:00 AM

Date to be Reported: 9/7/2007

Laboratory Submission Number/SDG: 2507429

Get Detailed Analyte List here: www.pelab.com/webdms/Default.asp?LoaSDG=2507429

Project: NTC Orlando / TO-5

Samples: The submission consisted of 2 samples with sample identification shown in the attached data tables.

Tests: The Samples will be analyzed for EPA methods: GEN1OL.

Sample Custody/COC discrepancies:

None.

Notes:

None.

Distribution of Report to:

CH2M Hill
Attn: Kama White
Phone: W 770-604-9182
F 770-604-9282

Note: Submitted material will be retained for 30 days unless otherwise requested by client or consumed in analysis. PEL letters and reports are for the exclusive use of the client to whom they are addressed. Our letters and reports apply to the sample tested and are not necessarily indicative of the qualities of apparently identical or similar materials

Log-in Report

Level 4

Total of: 2 analyses on 2 samples (including QC)

27-Aug-07

Report/SDG #: 2507429

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05OU21W2AE	250742901	Zone 2 Injectio	S	8/23/2007 10:10:00 AM	8/24/2007 10:15:00 AM

Method		
GEN1OL	Generic Outside Lab Method	GEN1OL

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TO05OU21W2BE	250742902	Zone 2 Injectio	S	8/23/2007 10:40:00 AM	8/24/2007 10:15:00 AM

Method		
GEN1OL	Generic Outside Lab Method	GEN1OL

NTC Orlando

PREPARED FOR:	NTC Orlando / OU-2 Post EOS Injection Confirmation 2007
FINAL REVEIWER:	Camden Robinson/ Associate Project Chemist/CH2M HILL
COPIES:	Sam Naik /Project Manager/CCI
DATE:	October 15th, 2007
SUBJECT:	Quality Assessment for Samples Collected August 23rd, 2007

This quality assurance memorandum is based upon a review of analytical data generated for soil samples collected August 23rd, 2007 at the Naval Training Center, Orlando Florida. The samples were collected as a part of the OU-2 Post EOS Injection Confirmation sampling event conducted at the site. Table 1-1 presents a summary of the CCI sample identification numbers, laboratory sample identification numbers, dates of collection, and the analyses performed.

Kemron of Marietta, Ohio served as the subcontract laboratory for PEL Laboratories, Inc. of Tampa, Florida for this OU-2 Post EOS Injection Confirmation sampling event for the following analysis:

- Total Organic Carbon (TOC) by EPA method 415.1

Table 1-1 Summary Sample Data Reviewed
NTC Orlando

Sample Number	Lab Sample ID	Date Sampled	Analysis Required
TO05OU2IW2AE	L0708676-01	08/23/2007	[1]
TO05OU2IW2BE	L0708676-02	08/23/2007	[1]

ANALYSES PERFORMED CODES:
[1] – Total Organic Carbon (TOC) by EPA method 415.1,

Data for the analyses were reviewed for adherence to the specified analytical protocols in accordance with CCI Sampling Analysis Plan. All analysis results have been validated or qualified according to general guidance provided in the Department of Defense (DOD) Quality Systems Manual-Version 2 June 2002.

The findings of this quality assurance report are based upon the comprehensive review of the following results summaries reported according to the CCI Level C (CLP-like data deliverables format): chain of custody documentation, holding times, laboratory method and field blank analyses, initial and continuing calibration, laboratory control sample results, detection limits/sensitivity, and electronic data deliverables.

The analyses were performed acceptably, but require several qualifying statements; it is recommended that the analytical data be used only with the qualifying statements provided below. Any aspects of the data, which are not discussed in this report, should be considered qualitatively and quantitatively valid as reported, based on the deliverables reviewed. A result summary report presenting the validated and qualified results is presented in Attachment I.

General Data Qualifiers

As required by U.S. EPA protocols, all compounds which were qualitatively identified at concentrations below their respective reporting limits (RL) but above the method detection limit (MDL) have been qualified with "J" qualifiers on the data summary reports to indicate that they are quantitative estimates.

Summary

The classical chemistry analyses were performed acceptably, and required no qualifying statements. A support documentation package has been prepared for this quality assurance review and is filed with the NTC Orlando TO 05/OU-2 Post EOS Injection Confirmation sampling project file.

Attachment I

VALID QUALIFIERS

QUALIFIER	
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit
J	The analyte was positively identified: the associated numerical value is the approximate concentration of the analyte in the sample.
N	The analysis indicates the presence of an analyte for which there was presumptive evidence to make a "tentative identification."
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ	The analyte was not deemed 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.
R/UR	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet the quality control criteria. The presence or absence of the analyte cannot be verified.
B	The analyte was detected in the associated method and/or calibration blank.
JB	The analyte detected in the associated field, equipment, and/or trip blank.

QUALIFICATION CODE REFERENCE

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect.
C	Calibration %RSD or %D was noncompliant.	Correlation coefficient is <0.995.
K	Second source %D was noncompliant.	Second source %D was noncompliant.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
MB	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) blank or calibration blank.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or high RPD.	MS/MSD recovery was poor or high RPD.
G	Result is over the calibration range. No other acceptable result was provided.	Result is over the calibration range. Not other acceptable result was provided.
E	Not applicable.	Lab duplicate RPD showed poor agreement.
Z	Field duplicate RPD showed poor agreement.	Field duplicate RPD showed poor agreement
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D was not within control limits.
TN	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive—reported compound was not present.	Not applicable.
-	False negative—compound was present but not reported.	Not applicable.
F	Presumed contamination from FB or ER.	Presumed contamination from FB or ER.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Confirmation analysis RPD exceeded 40%.	Post Digestion Spike recovery was not within control limits.
T/D	Not applicable.	Total metals results were less than the dissolved metals result.
SD	Not applicable.	Seed correction factor was below the acceptable limit.
M	Reported values may be biased due to apparent matrix interferences. (AIR ANALYSIS ONLY)	Not applicable

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0708676
Report Date : October 4, 2007

Sample Number: L0708676-01
Client ID: TO05OU2IW2AE
Matrix: Soil
Workgroup Number: WG249131
Collect Date: 08/23/2007 10:10

PrePrep Method: NONE
Prep Method: LYDKHN
Analytical Method: LYDKHN
Analyst: DR
Dilution: 1
Units: mg/kg

Instrument: TOC-VWP
Prep Date: 08/31/2007 10:42
Cal Date: 02/26/2007 11:40
Run Date: 08/31/2007 10:42
File ID: TC08-31-2007.06
Percent Solid: 81.0

Analyte	CAS. Number	Result	Qual	RL	MDL
Total Organic Carbon			U	1230	617

U Undetected; the analyte was analyzed for, but not detected.

0-1

Report Number: L0708676
Report Date : October 4, 2007

Sample Number: L0708676-02
Client ID: TO05OU2IW2BE
Matrix: Soil
Workgroup Number: WG249131
Collect Date: 08/23/2007 10:40

PrePrep Method: NONE
Prep Method: LYDKHN
Analytical Method: LYDKHN
Analyst: DR
Dilution: 1
Units: mg/kg

Instrument: TOC-VWP
Prep Date: 08/31/2007 10:48
Cal Date: 02/26/2007 11:40
Run Date: 08/31/2007 10:48
File ID: TC08-31-2007.07
Percent Solid: 79.8

Analyte	CAS. Number	Result	Qual	RL	MDL
Total Organic Carbon			U	1250	626

U Undetected; the analyte was analyzed for, but not detected.

Kemron Darcy Weisman

CHAIN-OF-CUSTODY RECORD

2507429 KC

CH2MHILL Constructors, Inc.

115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

[1] COC NUMBER: TO-05082307-1

[2] PROJECT NAME: NTC Orlando	[3] PROJECT NUMBER: 283383.10.10	[8] LAB NAME AND CONTACT: Darcy Weisman/ PEL labs	[11] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company) Kama White CH2M Hill CCI	[14] RECIPIENT 1 (Address, Tel No. , and Fax No.): North Park 400, 1000 Abenathy Rd, Suite 1600 Atlanta Ga. 30328
[5] PROJECT PHASE/SITE/TASK: OU-2	[6] CTO OR DO NUMBER: TO-05	[9] LAB PO NUMBER:	[12] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No. , and Fax No.):
[4] PROJECT CONTACT: Bethany Garvey	[7] PROJECT TEL NO AND FAX NO: 770-604-9182	[10] LAB TEL NO AND FAX NO: 813-247-2085	[13] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No. , and Fax No.):

[25] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SOP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	TOC SOP C-405										[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	TO05OU2IW2AE	Zone 2 Injection 20'	S	08/23/07	10:10	C	7	X1										N	Caution maybe high VOC's	01
2	TO05OU2IW2BE	Zone 2 Injection 30'	S	08/23/07	10:40	C	7	X1										N	Caution maybe high VOC's	02
3																				
4																				
5	[redacted]																			
6	[redacted]																		Please note New Mailing Address.	
7	[redacted]																			
8																				
9																				
10																				

[29] SAMPLER(S) AND COMPANY: (please print)
CH2M HILL Isaac Lynch

[30] COURIER AND SHIPPING NUMBER:
Fed Ex 860426079918

[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):
rec'd @ 4.0C TOC to Kemron

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature: Isaac Lynch	8-23-07	18:30	Printed Name and Signature: [illegible]	8/29/07	1015
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature: Don Lightfoot / Don Lightfoot	8-25-07	0925

Distribution: [ ] Original - Laboratory (To be returned with Analytical Report); [ ] Copy 1 - Project File; [ ] Copy 2 - PMO

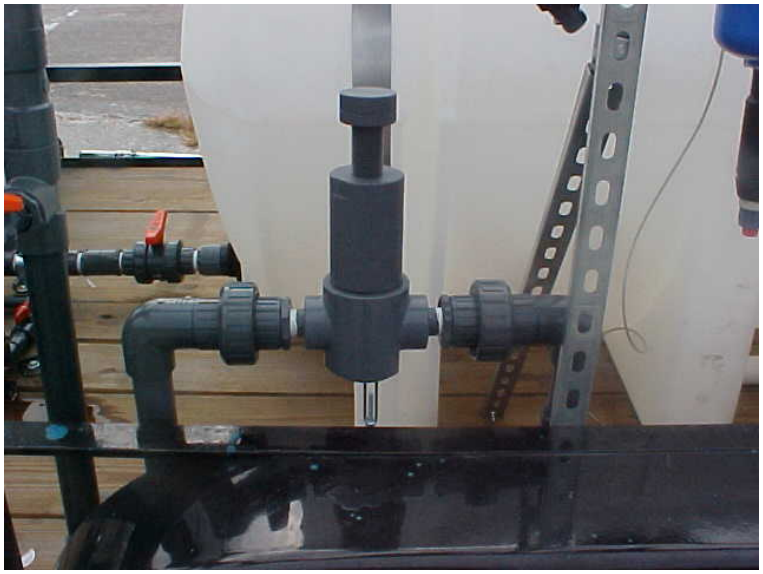
Form CC1001, Rev 06/00

Attachment C

ATTACHMENT C

Photo Documentation of Field Activities During Substrate Injection

Photograph 1: Pressure Gauge for Inlet to Filter Unit

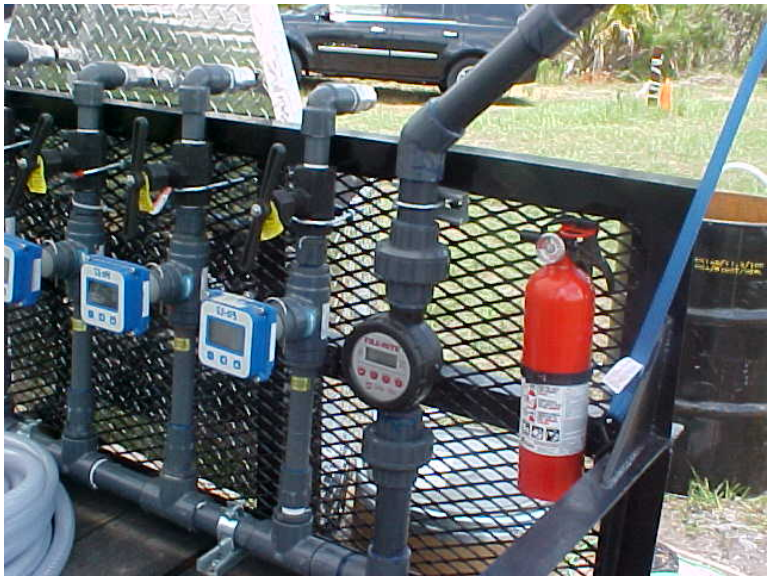


Photograph 2: Pressure Regulator for Injection Train

Photograph 3: Substrate Dosing by Dosatron® In-Line Mixing

Photograph 4: Flow Control of Injection Manifold

Photograph 5: CU-300 Control Box for Submersible Grundfos Pump



Photograph 6: Flow Totalizer for Injection Manifold

Photograph 7: Looking North at OU-2 Property Line (Before Injection)

Photograph 8: Injection Trailer Setup Looking North

Photograph 9: Potable Water Storage Tank

Photograph 10: Injection Trailer Setup looking South

Photograph 11: EOS® Drum, Vitamin Amendment, and Bromide Tracer

Photograph 12: Dosatron® mixers with Bromide (left) and EOS® (right)

Photograph 13: Injectate Lines, with Setup for Field Analytical Tests

Photograph 14: Injection Manifold at IW-1, with Water Level Observation Well

Photograph 15: Injection Manifold at IW-2A and IW-2B

Photograph 16: Water Level Observation Well at IW-2A and IW-2B

ATTACHMENT D

Documentation of Field Activities During Substrate Injection

Appendix B

Area 2 Wells - Mounding During EOS® Injection

Biobarrier Injection Pilot Study

OU2, NTC Orlando

MW-48A		MW-40A		MW-44A		MW-48B		MW-44B	
time	WL	time	WL	time	WL	time	WL	time	WL
9:18:32	-0.001	8:36:16	-0.004	8:41:30	0.004	8:20:10	-0.001	8:46:25	0.007
9:23:32	0.629	8:41:16	-0.004	8:46:30	-0.001	8:25:10	-0.001	8:51:25	-0.427
9:28:32	1.019	8:46:16	-0.004	8:51:30	-0.001	8:30:10	0.012	8:56:25	-0.439
9:33:32	1.125	8:51:16	-0.004	8:56:30	-0.005	8:35:10	0.012	9:01:25	-0.459
9:38:32	1.185	8:56:16	-0.004	9:01:30	-0.001	8:40:10	0.003	9:06:25	-0.452
9:43:32	1.219	9:01:16	-0.007	9:06:30	-0.001	8:45:10	-0.001	9:11:25	-0.466
9:48:32	1.224	9:06:16	-0.004	9:11:30	-0.019	8:50:10	-0.001	9:16:25	-0.459
9:53:32	1.229	9:11:16	-0.025	9:16:30	0.004	8:55:10	-0.001	9:21:25	-0.459
9:58:32	1.229	9:16:16	-0.002	9:21:30	0.119	9:00:10	-0.001	9:26:25	0.078
10:03:32	1.224	9:21:16	0.152	9:26:30	0.661	9:05:10	0.003	9:31:25	0.316
10:08:32	1.21	9:26:16	0.93	9:31:30	0.814	9:10:10	0.003	9:36:25	0.339
10:13:32	1.201	9:31:16	1.096	9:36:30	0.883	9:15:10	0.008	9:41:25	0.401
10:18:32	1.196	9:36:16	1.179	9:41:30	0.915	9:20:10	0.008	9:46:25	0.373
10:23:32	1.164	9:41:16	1.211	9:46:30	0.938	9:25:10	1.17	9:51:25	0.376
10:28:32	1.155	9:46:16	1.237	9:51:30	0.943	9:30:10	1.708	9:56:25	0.369
10:33:32	1.15	9:51:16	1.237	9:56:30	0.947	9:35:10	1.855	10:01:25	0.373
10:38:32	1.15	9:56:16	1.241	10:01:30	0.947	9:40:10	1.922	10:06:25	0.371
10:43:32	1.146	10:01:16	1.237	10:06:30	0.943	9:45:10	1.955	10:11:25	0.383
10:48:32	1.143	10:06:16	1.237	10:11:30	0.943	9:50:10	1.95	10:16:25	0.362
10:53:32	1.139	10:11:16	1.232	10:16:30	0.934	9:55:10	1.955	10:21:25	0.371
10:58:32	1.139	10:16:16	1.22	10:21:30	0.929	10:00:10	1.936	10:26:25	0.311
11:03:32	1.139	10:21:16	1.207	10:26:30	0.901	10:05:10	1.918	10:31:25	0.302
11:08:32	1.146	10:26:16	1.16	10:31:30	0.901	10:10:10	1.908	10:36:25	0.35
11:13:32	1.139	10:31:16	1.17	10:36:30	0.897	10:15:10	1.885	10:41:25	0.311
11:18:32	1.125	10:36:16	1.165	10:41:30	0.897	10:20:10	1.869	10:46:25	0.313
11:23:32	1.106	10:41:16	1.163	10:46:30	0.892	10:25:10	1.814	10:51:25	0.304
11:28:32	1.088	10:46:16	1.158	10:51:30	0.892	10:30:10	1.8	10:56:25	0.313
11:33:32	1.088	10:51:16	1.151	10:56:30	0.887	10:35:10	1.795	11:01:25	0.306
11:38:32	1.164	10:56:16	1.149	11:01:30	0.892	10:40:10	1.791	11:06:25	0.323
11:43:32	1.261	11:01:16	1.149	11:06:30	0.892	10:45:10	1.786	11:11:25	0.341
11:48:32	1.266	11:06:16	1.163	11:11:30	0.897	10:50:10	1.772	11:16:25	0.332
11:53:32	1.293	11:11:16	1.165	11:16:30	0.883	10:55:10	1.768	11:21:25	0.332
11:58:32	1.307	11:16:16	1.151	11:21:30	0.878	11:00:10	1.791	11:26:25	0.313
12:03:32	1.275	11:21:16	1.045	11:26:30	0.86	11:05:10	1.8	11:31:25	0.304
12:08:32	1.238	11:26:16	0.874	11:31:30	0.855	11:10:10	1.805	11:36:25	0.309
12:13:32	1.233	11:31:16	0.778	11:36:30	0.855	11:15:10	1.791	11:41:25	0.387
12:18:32	1.219	11:36:16	0.766	11:41:30	0.952	11:20:10	1.768	11:46:25	0.41
12:23:32	1.215	11:41:16	0.999	11:46:30	0.984	11:25:10	1.74	11:51:25	0.452
12:28:32	1.199	11:46:16	0.953	11:51:30	1.003	11:30:10	1.726	11:56:25	0.477
12:33:32	1.199	11:51:16	1.313	11:56:30	1.017	11:35:10	1.712	12:01:25	0.456
12:38:32	1.206	11:56:16	1.336	12:01:30	1.012	11:40:10	1.932	12:06:25	0.436
12:43:32	1.199	12:01:16	1.32	12:06:30	0.781	11:45:10	2.038	12:11:25	0.42
12:48:32	1.199	12:06:16	1.276	12:11:30	0.768	11:50:10	2.056	12:16:25	0.403
12:53:32	1.194	12:11:16	1.264	12:16:30	0.74	11:55:10	2.075	12:21:25	0.401
12:58:32	1.185	12:16:16	1.25	12:21:30	0.744	12:00:10	2.084	12:26:25	0.385
13:03:32	1.185	12:21:16	1.241	12:26:30	0.763	12:05:10	2.033	12:31:25	0.387
13:08:32	1.203	12:26:16	1.234	12:31:30	0.749	12:10:10	2.015	12:36:25	0.376
13:13:32	1.236	12:31:16	1.232	12:36:30	0.749	12:15:10	2.001	12:41:25	0.376
13:18:32	1.236	12:36:16	1.225	12:41:30	0.721	12:20:10	1.987	12:46:25	0.383
13:23:32	1.256	12:41:16	1.232	12:46:30	0.758	12:25:10	1.973	12:51:25	0.408
13:28:32	1.249	12:46:16	1.001	12:51:30	0.74	12:30:10	1.959	12:56:25	0.38
13:33:32	1.231	12:51:16	0.914	12:56:30	0.726	12:35:10	1.959	13:01:25	0.378
13:38:32	1.231	12:56:16	1.027	13:01:30	0.717	12:40:10	1.968	13:06:25	0.383
13:43:32	1.226	13:01:16	0.932	13:06:30	0.763	12:45:10	1.987	13:11:25	0.436
13:48:32	1.199	13:06:16	1.237	13:11:30	0.929	12:50:10	1.996	13:16:25	0.45
13:53:32	1.194	13:11:16	1.248	13:16:30	0.971	12:55:10	1.964	13:21:25	0.45
13:58:32	1.194	13:16:16	1.269	13:21:30	0.98	13:00:10	1.959	13:26:25	0.443
14:03:32	1.185	13:21:16	1.276	13:26:30	1.049	13:05:10	1.945	13:31:25	-0.169
14:08:32	1.185	13:26:16	1.283	13:31:30	0.952	13:10:10	1.991	13:36:25	-0.199
14:13:32	1.185	13:31:16	1.273	13:36:30	0.943	13:15:10	1.996	13:41:25	-0.233
14:18:32	1.185	13:36:16	1.264	13:41:30	0.947	13:20:10	1.996	13:46:25	-0.268
14:23:32	1.185	13:41:16	1.264	13:46:30	0.915	13:25:10	2.015	13:51:25	-0.284
14:28:32	1.194	13:46:16	1.225	13:51:30	0.92	13:30:10	2.005	13:56:25	-0.289
14:33:32	1.18	13:51:16	1.23	13:56:30	0.915	13:35:10	1.987	14:01:25	-0.242
14:38:32	1.185	13:56:16	1.255	14:01:30	0.911	13:40:10	1.991	14:06:25	-0.261
14:43:32	1.18	14:01:16	1.22	14:06:30	0.911	13:45:10	1.964	14:11:25	-0.254
14:48:32	1.18	14:06:16	1.22	14:11:30	0.906	13:50:10	1.959	14:16:25	-0.238
14:53:32	1.18	14:11:16	1.216	14:16:30	0.911	13:55:10	1.945	14:21:25	-0.256
14:58:32	1.176	14:16:16	1.216	14:21:30	0.911	14:00:10	1.955	14:26:25	0.373
15:03:32	1.185	14:21:16	1.218	14:26:30	0.934	14:05:10	1.932	14:31:25	0.438
15:08:32	1.194	14:26:16	1.227	14:31:30	0.934	14:10:10	1.913	14:36:25	0.436
15:13:32	1.185	14:31:16	1.223	14:36:30	0.929	14:15:10	1.936	14:41:25	0.443
15:18:32	1.185	14:36:16	1.216	14:41:30	0.934	14:20:10	1.918	14:46:25	0.438
15:23:32	1.194	14:41:16	1.216	14:46:30	0.934	14:25:10	1.945	14:51:25	0.44
15:28:32	0.94	14:46:16	1.223	14:51:30	0.929	14:30:10	0.702	14:56:25	0.443

Appendix B
Area 2 Wells - Mounding During EOS® Injection
Biobarrier Injection Pilot Study
OU2, NTC Orlando

MW-48A		MW-40A		MW-44A		MW-48B		MW-44B	
time	WL	time	WL	time	WL	time	WL	time	WL
15:33:32	0.903	14:51:16	1.218	14:56:30	0.934	14:35:10	0.414	15:01:25	0.426
15:38:32	0.926	14:56:16	1.223	15:01:30	0.929	14:40:10	0.377	15:06:25	0.426
15:43:32	0.903	15:01:16	1.218	15:06:30	0.934	14:45:10	0.358	15:11:25	0.44
15:48:32	0.917	15:06:16	1.223	15:11:30	0.938	14:50:10	0.386	15:16:25	0.445
15:53:32	0.913	15:11:16	1.23	15:16:30	0.934	14:55:10	0.372	15:21:25	0.459
15:58:32	0.894	15:16:16	1.225	15:21:30	0.938	15:00:10	0.368	15:26:25	0.491
16:03:32	0.885	15:21:16	1.223	15:26:30	0.943	15:05:10	0.377	15:31:25	0.493
16:08:32	0.922	15:26:16	1.237	15:31:30	0.934	15:10:10	0.637	15:36:25	0.498
16:13:32	0.903	15:31:16	1.225	15:36:30	0.934	15:15:10	0.391	15:41:25	0.5
16:18:32	0.903	15:36:16	1.22	15:41:30	0.934	15:20:10	0.414	15:46:25	0.505
16:23:32	0.908	15:41:16	1.225	15:46:30	0.924	15:25:10	1.777	15:51:25	0.512
16:28:32	0.899	15:46:16	1.216	15:51:30	0.92	15:30:10	1.918	15:56:25	0.528
16:33:32	0.899	15:51:16	1.207	15:56:30	0.92	15:35:10	1.932	16:01:25	0.53
16:38:32	0.885	15:56:16	1.207	16:01:30	0.911	15:40:10	1.932	16:06:25	0.56
16:43:32	0.903	16:01:16	1.195	16:06:30	0.92	15:45:10	1.936	16:11:25	0.572
16:48:32	1.152	16:06:16	1.204	16:11:30	0.929	15:50:10	1.927	16:16:25	0.576
16:53:32	1.102	16:11:16	1.207	16:16:30	0.929	15:55:10	1.908	16:21:25	0.574
16:58:32	1.18	16:16:16	1.207	16:21:30	0.929	16:00:10	1.895	16:26:25	0.572
17:03:32	1.346	16:21:16	1.207	16:26:30	0.929	16:05:10	1.922	16:31:25	0.567
17:08:32	1.406	16:26:16	1.207	16:31:30	0.929	16:10:10	1.936	16:36:25	0.563
17:13:32	1.425	16:31:16	1.204	16:36:30	0.924	16:15:10	1.927	16:41:25	0.574
17:18:32	1.332	16:36:16	1.204	16:41:30	0.92	16:20:10	1.913	16:46:25	0.569
17:23:32	1.203	16:41:16	1.204	16:46:30	0.915	16:25:10	1.899	16:51:25	0.579
17:28:32	1.162	16:46:16	1.188	16:51:30	0.915	16:30:10	1.881	16:56:25	0.567
17:33:32	1.139	16:51:16	1.195	16:56:30	0.934	16:35:10	1.876	17:01:25	0.59
17:38:32	1.125	16:56:16	1.204	17:01:30	0.998	16:40:10	1.881	17:06:25	0.701
17:43:32	1.125	17:01:16	1.297	17:06:30	1.095	16:45:10	1.874	17:11:25	0.733
17:48:32	1.143	17:06:16	1.426	17:11:30	1.118	16:50:10	1.885	17:16:25	0.745
17:53:32	1.148	17:11:16	1.453	17:16:30	1.127	16:55:10	1.881	17:21:25	0.641
17:58:32	1.171	17:16:16	1.46	17:21:30	0.984	17:00:10	1.904	17:26:25	0.579
18:03:32	1.199	17:21:16	1.262	17:26:30	0.934	17:05:10	2.224	17:31:25	0.556
18:08:32	1.212	17:26:16	1.207	17:31:30	0.92	17:10:10	2.31	17:36:25	0.537
18:13:32	1.226	17:31:16	1.181	17:36:30	0.901	17:15:10	2.328	17:41:25	0.526
18:18:32	1.226	17:36:16	1.163	17:41:30	0.887	17:20:10	2.109	17:46:25	0.53
18:23:32	1.222	17:41:16	1.149	17:46:30	0.901	17:25:10	1.927	17:51:25	0.537
18:28:32	0.903	17:46:16	1.163	17:51:30	0.906	17:30:10	1.876	17:56:25	0.666
18:33:32	0.885	17:51:16	1.17	17:56:30	0.92	17:35:10	1.828	18:01:25	0.565
18:38:32	0.871	17:56:16	1.193	18:01:30	0.943	17:40:10	1.805	18:06:25	0.576
18:43:32	0.871	18:01:16	1.225	18:06:30	0.952	17:45:10	1.809	18:11:25	0.586
18:48:32	0.885	18:06:16	1.237	18:11:30	0.966	17:50:10	1.846	18:16:25	0.597
18:53:32	0.834	18:11:16	1.253	18:16:30	0.975	17:55:10	1.865	18:21:25	0.593
18:58:32	0.82	18:16:16	1.264	18:21:30	0.971	18:00:10	1.922	18:26:25	0.574
19:03:32	1.129	18:21:16	1.26	18:26:30	0.947	18:05:10	1.968	18:31:25	0.558
19:08:32	1.116	18:26:16	1.237	18:31:30	0.938	18:10:10	2.01	18:36:25	0.556
19:13:32	1.116	18:31:16	1.223	18:36:30	0.934	18:15:10	2.042	18:41:25	0.553
19:18:32	1.116	18:36:16	1.216	18:41:30	0.934	18:20:10	2.033	18:46:25	0.558
19:23:32	1.125	18:41:16	1.218	18:46:30	0.934	18:25:10	2.01	18:51:25	0.551
19:28:32	1.129	18:46:16	1.218	18:51:30	0.698	18:30:10	1.987	18:56:25	0.341
19:33:32	1.166	18:51:16	1.213	18:56:30	0.791	18:35:10	1.987	19:01:25	0.26
19:38:32	1.157	18:56:16	1.19	19:01:30	0.708	18:40:10	1.996	19:06:25	0.265
19:43:32	1.125	19:01:16	1.186	19:06:30	0.703	18:45:10	2.001	19:11:25	0.187
19:48:32	1.106	19:06:16	1.172	19:11:30	0.694	18:50:10	2.051	19:16:25	0.189
19:53:32	1.056	19:11:16	1.167	19:16:30	0.698	18:55:10	2.024	19:21:25	0.235
19:58:32	1.019	19:16:16	1.16	19:21:30	0.712	19:00:10	2.005	19:26:25	0.253
20:03:32	1.014	19:21:16	1.167	19:26:30	0.841	19:05:10	0.665	19:31:25	0.106
20:08:32	1.005	19:26:16	1.174	19:31:30	0.901	19:10:10	0.386	19:36:25	0.263
20:13:32	0.46	19:31:16	1.186	19:36:30	0.929	19:15:10	0.345	19:41:25	0.493
20:18:32	0.225	19:36:16	1.211	19:41:30	0.901	19:20:10	0.354	19:46:25	0.549
20:23:32	0.17	19:41:16	1.151	19:46:30	0.911	19:25:10	0.377	19:51:25	0.535
20:28:32	0.133	19:46:16	1.156	19:51:30	0.887	19:30:10	1.216	19:56:25	0.507
20:33:32	0.133	19:51:16	0.893	19:56:30	0.855	19:35:10	1.955	20:01:25	0.493
20:38:32	0.128	19:56:16	0.837	20:01:30	0.846	19:40:10	0.688	20:06:25	0.489
20:43:32	0.114	20:01:16	0.821	20:06:30	0.837	19:45:10	0.492	20:11:25	0.486
20:48:32	0.096	20:06:16	0.775	20:11:30	0.726	19:50:10	0.801	20:16:25	0.023
20:53:32	0.08	20:11:16	0.651	20:16:30	0.29	19:55:10	0.317	20:21:25	-0.095
20:58:32	0.08	20:16:16	0.035	20:21:30	0.212	20:00:10	0.213	20:26:25	-0.141
21:03:32	0.075	20:21:16	0.032	20:26:30	0.166	20:05:10	0.199	20:31:25	-0.157
21:08:32	0.071	20:26:16	0.178	20:31:30	0.152	20:10:10	0.255	20:36:25	-0.169
21:13:32	0.066	20:31:16	0.175	20:36:30	0.142	20:15:10	-0.977	20:41:25	-0.173
21:18:32	0.071	20:36:16	0.162	20:41:30	0.129	20:20:10	-1.369	20:46:25	-0.189
21:23:32	0.075	20:41:16	0.145	20:46:30	0.11	20:25:10	-1.404	20:51:25	-0.199
21:28:32	0.08	20:46:16	0.132	20:51:30	0.101	20:30:10	-0.244	20:56:25	-0.203
21:33:32	0.08	20:51:16	0.106	20:56:30	0.101	20:35:10	0.222	21:01:25	-0.206
21:38:32	0.075	20:56:16	0.111	21:01:30	0.096	20:40:10	0.25	21:06:25	-0.21
21:43:32	0.075	21:01:16	0.104	21:06:30	0.092	20:45:10	0.227	21:11:25	-0.213

Appendix B

Area 2 Wells - Mounding During EOS® Injection

Biobarrier Injection Pilot Study

OU2, NTC Orlando

MW-48A		MW-40A		MW-44A		MW-48B		MW-44B	
time	WL	time	WL	time	WL	time	WL	time	WL
21:48:32	0.075	21:06:16	0.099	21:11:30	0.087	20:50:10	0.208	21:16:25	-0.215
21:53:32	0.075	21:11:16	0.097	21:16:30	0.087	20:55:10	0.19	21:21:25	-0.217
21:58:32	0.075	21:16:16	0.092	21:21:30	0.082	21:00:10	0.185	21:26:25	-0.222
22:03:32	0.084	21:21:16	0.09	21:26:30	0.078	21:05:10	0.176	21:31:25	-0.222
22:08:32	0.08	21:26:16	0.088	21:31:30	0.078	21:10:10	0.172	21:36:25	-0.224
22:13:32	0.08	21:31:16	0.086	21:36:30	0.073	21:15:10	0.172	21:41:25	-0.224
22:18:32	0.075	21:36:16	0.083	21:41:30	0.078	21:20:10	0.176	21:46:25	-0.224
22:23:32	0.08	21:41:16	0.083	21:46:30	0.073	21:25:10	0.181	21:51:25	-0.222
22:28:32	0.08	21:46:16	0.081	21:51:30	0.073	21:30:10	0.185	21:56:25	-0.224
22:33:32	0.08	21:51:16	0.079	21:56:30	0.073	21:35:10	0.181	22:01:25	-0.224
22:38:32	0.075	21:56:16	0.076	22:01:30	0.069	21:40:10	0.181	22:06:25	-0.224
22:43:32	0.075	22:01:16	0.076	22:06:30	0.069	21:45:10	0.185	22:11:25	-0.222
22:48:32	0.075	22:06:16	0.076	22:11:30	0.069	21:50:10	0.181	22:16:25	-0.222
22:53:32	0.071	22:11:16	0.074	22:16:30	0.069	21:55:10	0.181	22:21:25	-0.222
22:58:32	0.071	22:16:16	0.074	22:21:30	0.069	22:00:10	0.185	22:26:25	-0.224
23:03:32	0.071	22:21:16	0.074	22:26:30	0.069	22:05:10	0.19	22:31:25	-0.226
23:08:32	0.071	22:26:16	0.074	22:31:30	0.069	22:10:10	0.19	22:36:25	-0.226
23:13:32	0.071	22:31:16	0.072	22:36:30	0.069	22:15:10	0.185	22:41:25	-0.226
23:18:32	0.066	22:36:16	0.072	22:41:30	0.069	22:20:10	0.185	22:46:25	-0.226
23:23:32	0.071	22:41:16	0.072	22:46:30	0.064	22:25:10	0.19	22:51:25	-0.224
23:28:32	0.071	22:46:16	0.072	22:51:30	0.064	22:30:10	0.19	22:56:25	-0.224
23:33:32	0.066	22:51:16	0.072	22:56:30	0.064	22:35:10	0.19	23:01:25	-0.224
23:38:32	0.066	22:56:16	0.072	23:01:30	0.064	22:40:10	0.185	23:06:25	-0.222
23:43:32	0.061	23:01:16	0.072	23:06:30	0.064	22:45:10	0.185	23:11:25	-0.224
23:48:32	0.061	23:06:16	0.072	23:11:30	0.064	22:50:10	0.181	23:16:25	-0.224
23:53:32	0.061	23:11:16	0.069	23:16:30	0.064	22:55:10	0.181	23:21:25	-0.222
23:58:32	0.061	23:16:16	0.069	23:21:30	0.064	23:00:10	0.181	23:26:25	-0.222
0:03:32	0.057	23:21:16	0.069	23:26:30	0.064	23:05:10	0.181	23:31:25	-0.222
0:08:32	0.057	23:26:16	0.069	23:31:30	0.064	23:10:10	0.176	23:36:25	-0.222
0:13:32	0.057	23:31:16	0.069	23:36:30	0.064	23:15:10	0.176	23:41:25	-0.224
0:18:32	0.052	23:36:16	0.067	23:41:30	0.064	23:20:10	0.181	23:46:25	-0.224
0:23:32	0.052	23:41:16	0.069	23:46:30	0.064	23:25:10	0.185	23:51:25	-0.226
0:28:32	0.057	23:46:16	0.067	23:51:30	0.064	23:30:10	0.185	23:56:25	-0.231
0:33:32	0.057	23:51:16	0.067	23:56:30	0.059	23:35:10	0.181	0:01:25	-0.229
0:38:32	0.052	23:56:16	0.067	0:01:30	0.064	23:40:10	0.176	0:06:25	-0.231
0:43:32	0.057	0:01:16	0.067	0:06:30	0.064	23:45:10	0.176	0:11:25	-0.231
0:48:32	0.052	0:06:16	0.067	0:11:30	0.059	23:50:10	0.176	0:16:25	-0.229
0:53:32	0.052	0:11:16	0.067	0:16:30	0.064	23:55:10	0.172	0:21:25	-0.226
0:58:32	0.052	0:16:16	0.067	0:21:30	0.064	0:00:10	0.172	0:26:25	-0.226
1:03:32	0.052	0:21:16	0.067	0:26:30	0.064	0:05:10	0.167	0:31:25	-0.224
1:08:32	0.052	0:26:16	0.067	0:31:30	0.059	0:10:10	0.176	0:36:25	-0.224
1:13:32	0.048	0:31:16	0.067	0:36:30	0.059	0:15:10	0.172	0:41:25	-0.224
1:18:32	0.048	0:36:16	0.065	0:41:30	0.064	0:20:10	0.167	0:46:25	-0.222
1:23:32	0.043	0:41:16	0.065	0:46:30	0.059	0:25:10	0.172	0:51:25	-0.222
1:28:32	0.043	0:46:16	0.065	0:51:30	0.064	0:30:10	0.172	0:56:25	-0.222
1:33:32	0.043	0:51:16	0.065	0:56:30	0.059	0:35:10	0.172	1:01:25	-0.222
1:38:32	0.038	0:56:16	0.065	1:01:30	0.059	0:40:10	0.172	1:06:25	-0.222
1:43:32	0.038	1:01:16	0.065	1:06:30	0.064	0:45:10	0.167	1:11:25	-0.219
1:48:32	0.038	1:06:16	0.065	1:11:30	0.059	0:50:10	0.172	1:16:25	-0.222
1:53:32	0.034	1:11:16	0.065	1:16:30	0.059	0:55:10	0.172	1:21:25	-0.222
1:58:32	0.029	1:16:16	0.065	1:21:30	0.059	1:00:10	0.172	1:26:25	-0.222
2:03:32	0.025	1:21:16	0.065	1:26:30	0.064	1:05:10	0.172	1:31:25	-0.222
2:08:32	0.029	1:26:16	0.065	1:31:30	0.064	1:10:10	0.167	1:36:25	-0.222
2:13:32	0.029	1:31:16	0.065	1:36:30	0.059	1:15:10	0.162	1:41:25	-0.219
2:18:32	0.025	1:36:16	0.065	1:41:30	0.064	1:20:10	0.162	1:46:25	-0.219
2:23:32	0.02	1:41:16	0.062	1:46:30	0.059	1:25:10	0.162	1:51:25	-0.222
2:28:32	0.02	1:46:16	0.065	1:51:30	0.059	1:30:10	0.158	1:56:25	-0.219
2:33:32	0.015	1:51:16	0.065	1:56:30	0.059	1:35:10	0.158	2:01:25	-0.219
		1:56:16	0.065			1:40:10	0.153	2:06:25	-0.222
		2:01:16	0.062			1:45:10	0.158		
		2:06:16	0.065			1:50:10	0.153		
		2:11:16	0.062			1:55:10	0.148		
		2:16:16	0.062			2:00:10	0.144		

NOTES:

WL = change in water level (ft) during substrate injection, compared to baseline water level

Water Levels taken on July 6 and 7, 2007, during injection of EOS

OU2 Sampling Parameter before and during 1% EOS Injection (PILOT STUDY)
Injection Well was OU2 IW1 (AREA 1)

OU2 AREA 1

	Pre EOS Sampling Parameters	17:57	15:43	
		10-Jul-07	**11-Jul-07**	
	MW 46A	**MW 46A**	**MW 46A**	
PH (s.units	**4.95**	5.02	5.01	
SpCond (mmhos/cm)	**208**	207	200	
Temp. ©	**24.4**	24.4	24.0	
ORP (mV)	**6.90**	-84.4	-64.6	
DO (mg/L)	**0.44**	0.26	0.18	
Turbidity (NTU)	**3.00**	0.79	0.66	
Bromide (ppm)	**<0.5**	66.0	100	(Average)
Alkalinity (mg/L)	**9.60**	10.0	15.0	
DO Hach (mg/L)	**0.50**	0.08	0.20	
TOC (mg/L)	**17.2**			
	MW 46B	**MW 46B**	**MW 46B**	
		17:32	16:03	
		10-Jul-07	**10-Jul-07**	
PH (s.units	**5.46**	5.6	5.52	
SpCond (mmhos/cm)	**188**	196	185	
Temp. ©	**25.1**	24.8	24.6	
ORP (mV)	**-134**	-102	-100	
DO (mg/L)	**1.29**	0.34	0.27	
Turbidity (NTU)	**14.0**	26.8	28.4	
Bromide (ppm)	**<0.5**	65.0	110	
Alkalinity (mg/L)	**43.1**	45.0	50.0	
DO Hach (mg/L)	**0.50**	0.40	0.10	
TOC (mg/L)	**26.9**			

	Pre EOS Sampling Parameters	16:06	16:26
		10-Jul-07	**11-Jul-07**
	MW 47A	**MW 47A**	**MW 47A**
PH (s.units	**4.99**	5.35	5.22
SpCond (mmhos/cm)	**136**	146	140
Temp. ©	**23.5**	24.9	24.3
ORP (mV)	**9.60**	-77.8	-60.8
DO (mg/L)	**0.37**	0.40	0.21
Turbidity (NTU)	**18.0**	15.0	13.6
Bromide (ppm)	**<0.5**	120	120
Alkalinity (mg/L)	**14.3**	20.0	20.0
DO Hach (mg/L)	**0.40**	0.05	0.05
TOC (mg/L)	**18.8**		
	MW 47B	**MW 47B**	**MW 47B**
		16:45	15:15
		10-Jul-07	**11-Jul-07**
PH (s.units	**5.15**	5.44	5.42
SpCond (mmhos/cm)	**224**	198	198
Temp. ©	**23.96**	24.2	24.2
ORP (mV)	**-28.4**	-105	-112
DO (mg/L)	**0.29**	0.42	0.31
Turbidity (NTU)	**14.9**	10.9	11.6
Bromide (ppm)	**<0.5**	160	130
Alkalinity (mg/L)	**42.4**	45.0	45.0
DO Hach (mg/L)	**0.70**	0.20	0.10
TOC (mg/L)	**30.6**		

	Pre EOS Sampling Parameters	17:22	15:05
		10-Jul-07	**11-Jul-07**
	MW 43A	**MW 43A**	**MW 43A**
PH (s.units	**4.70**	5.24	5.09
SpCond (mmhos/cm)	**128**	139	138
Temp. ©	**24.1**	24.8	24.1
ORP (mV)	**47.0**	-94.3	-77.3
DO (mg/L)	**0.30**	0.29	0.29
Turbidity (NTU)	**6.83**	3.28	1.82
Bromide (ppm)	**<0.5**	108.0	100
Alkalinity (mg/L)	**8.00**	20.0	15.0
DO Hach (mg/L)	**0.95**	0.10	0.18
TOC (mg/L)	**17.8**		
	MW 43B	**MW 43B**	**MW 43B**
		16:59	14:27
		10-Jul-07	**11-Jul-07**
PH (s.units	**5.19**	5.06	5.11
SpCond (mmhos/cm)	**115**	135	138
Temp. ©	**23.8**	24.3	24.1
ORP (mV)	**-176**	-66.1	-99.9
DO (mg/L)	**0.45**	0.33	0.26
Turbidity (NTU)	**7.00**	4.05	1.59
Bromide (ppm)	**<0.5**	110	140
Alkalinity (mg/L)	**14.0**	20.0	20.0
DO Hach (mg/L)	**0.60**	0.60	0.20
TOC (mg/L)	**30.0**		

***** Negative DO's - was probably due to high Sulfide.

OU2 AREA 1

EOS Started 08:59, 10 July 07 07 EOS Stopped 18:25, 10 July 07

Injection Wells were OU2 IW1 (AREA 1)

				(Going into trailer)	(going into dosatrons) Dosatron inlet				
		Well Head Pressure (avg.)	Flow Gpm (avg.)	Manifold Pressure (avg.)	Manifold Pressure (avg.)				
	Date	10-Jul-07						**Bromide**	**Bromide**
IW1	10-Jul-07	9.25	1.20	18 psi	11 psi		**Total Gallons**	**Sampled**	**Sampled**
						Mounding	**of 1% EOS**	**From**	**From**
	DTW prior to start	DTW (ft)	DTW (ft)	DTW (ft)	DTW (ft)	avg. (ft)	**Injected (avg.)**	**Injectate**	**Injectate**
	of Eos Inj. (0900)	9:45	10:30	11:40	14:50	(14:50)		10:00	15:28
MW 47A	**7.55**	7.28	7.31	7.36	7.31	**0.24**	**IW1= 691.8**	**290 ppm**	**230 ppm**
MW 47B	**7.60**	7.32	7.39	7.42	7.38	**0.22**			
MW 46A	**7.68**	7.48	7.52	7.55	7.53	**0.15**			
MW 46B	**7.32**	7.10	7.14	7.19	7.15	**0.17**	09:25 Daylighting noted around well casing.		
MW 43A	**7.50**	7.26	7.31	7.35	7.32	**0.18**			
MW 43B	**7.39**	7.16	7.22	7.25	7.23	**0.16**			

EOS Started 09:53, 11 July 07 EOS Stopped 18:40, 11 July 07

					Injectate Manifold Pressure (avg.)				
		Well Head Pressure (avg.)	Flow Gpm (avg.)	Manifold Pressure (avg.)					
	Date	11-Jul-07						**Bromide**	**Bromide**
IW 1	11-Jul-07	7 psi	1.20	19 psi	14 psi		**Total Gallons**	**Sampled**	**Sampled**
						Mounding	**of 1% EOS**	**From**	**From**
	DTW prior to start	DTW (ft)	DTW (ft)	DTW (ft)	DTW (ft)	avg. (ft)	**Injected (avg.)**	**Injectate**	**Injectate**
	of Eos Inj. (0953)	10:40	11:45	17:50		(17:50)		11:40	18:12
MW 47A	**7.59**	6.38	7.42	7.14		0.45	**IW1 = 658.2**	**310 ppm**	**250 ppm**
MW 47B	**7.62**	7.43	7.46	7.22		0.40			
MW 46A	**7.72**	7.56	7.60	7.43		0.29			
MW 46B	**7.33**	7.2	7.23	7.04		0.29	10:12 Daylighting noted around well casing.		
MW 43A	**7.51**	7.36	7.40	7.19		0.32			
MW 43B	**7.41**	7.26	7.29	7.09		0.32			

	Pre EOS inj. Baseline Bromide	10-Jul-07 Bromide	11-Jul-07 Bromide	
MW 47A	**<0.05**	120 ppm	120 ppm	
MW 47B	**<0.05**	160 ppm	130 ppm	
MW 46A	**<0.05**	66.0 ppm	100 ppm	
MW 46B	**<0.05**	65.0 ppm	110 ppm	
MW 43A	**<0.05**	108 ppm	100 ppm	**TOTAL EOS INJECTED = 1350.6 GALLONS.**
MW 43B	**<0.05**	110 ppm	140 ppm	

OU2 AREA 1

Injection Wells were OU2 IW1 (AREA 1)

Listed below are the sample ID's of wells sampled for TOC and sent to Enco labs.

Samples below went to Enco labs, hand delivered 12 July 07, 11:25

		Date	Time	Samples collected after injecting 1085 gallons
MW 47A	**TO05MW47AE0711**	**11-Jul-07**	**18:20**	
MW 47B	**TO05MW47BE0711**	**11-Jul-07**	**18:25**	
MW 46A	**TO05MW46AE0711**	**11-Jul-07**	**18:10**	
MW 46B	**TO05MW46BE0711**	**11-Jul-07**	**18:15**	
MW 43A	**TO05MW43AE0711**	**11-Jul-07**	**18:35**	
MW 43B	**TO05MW43BE0712**	**11-Jul-07**	**18:30**	

OU2 Sampling Parameter before and during 1% EOS Injection (PILOT STUDY)
Injection Wells were IW2A and IW 2B. (AREA 2)

	Pre EOS Sampling Parameters		15:25	18:25
		3-Jul-07	**6-Jul-07**	**6-Jul-07**
	MW 48A	**MW 48A**	**MW 48A**	**MW 48A**
PH (s.units)	**4.94**	5.24	5.13	5.14
SpCond (mmhos/cm)	**182**	206	252	226
Temp. ©	**25.3**	24.9	24.9	24.9
ORP (mV)	**2.20**	-153	-168	-157
DO (mg/L)	**0.85**	0.14	-0.21	-0.06
Turbidity (NTU)	**15.0**	2.35	4.06	3.97
Bromide (ppm)	**<0.5**	270	270	250
Alkalinity (mg/L)	**18.6**	35.0	30.0	25.0
DO Hach (mg/L)	**0.40**	0.05	0.10	0.05
TOC (mg/L)	**21.6**			
	MW 48B	**MW 48B**	**MW 48B**	**MW 48B**
			14:28	19:40
		3-Jul-07	**6-Jul-07**	**6-Jul-07**
PH (s.units)	**5.45**	5.32	5.06	5.05
SpCond (mmhos/cm)	**165**	201	301	315
Temp. ©	**24.9**	24.9	25.7	25.3
ORP (mV)	**-142**	-152	-142	-164
DO (mg/L)	**5.84**	0.11	-0.28	0.07
Turbidity (NTU)	**28.5**	2.95	1.24	1.15
Bromide (ppm)	**<0.5**	200	470	260
Alkalinity (mg/L)	**43.1**	30.0	30.0	40.0
DO Hach (mg/L)	**0.25**	0.05	0.02	0.05
TOC (mg/L)	**33.5**			

	Pre EOS Sampling Parameters		12:03	1900
		3-Jul-07	**6-Jul-07**	**6-Jul-07**
	MW 44A	**MW 44A**	**MW 44A**	**MW 44A**
PH (s.units)	**5.78**	5.51	5.36	5.37
SpCond (mmhos/cm)	**197**	154	152	165
Temp. ©	**24.2**	24.6	24.3	24.0
ORP (mV)	**-61.2**	-140	-101	-158
DO (mg/L)	**0.55**	0.26	0.21	0.30
Turbidity (NTU)	**6.50**	0.53	0.68	1.00
Bromide (ppm)	**<0.5**	71.0	90.0	59.0
Alkalinity mg/L	44.6	30.0	25.0	25.0
DO Hach (mg/L)	**0.05**	0.05	0.22	0.30
TOC (mg/L)	**18.9**			
	MW 44B	**MW 44B**	**MW 44B**	**MW 44B**
			13:27	19:40
		3-Jul-07	**6-Jul-07**	**6-Jul-07**
PH (s.units)	**4.81**	5.11	5.05	5.07
SpCond (mmhos/cm)	**115**	123	123	123
Temp. ©	**24.1**	24.7	24.1	24.0
ORP (mV)	**-65.3**	-129	-123	-136
DO (mg/L)	**0.25**	0.34	0.11	0.29
Turbidity (NTU)	**12.0**	46.7	63.1	74.9
Bromide (ppm)	**<0.5**	160	190	110
Alkalinity (mg/L)	**18.2**	35.0	25.0	30.0
DO Hach (mg/L)	**0.10**	0.55	0.05	0.20
TOC (mg/L)	**31.0**			

	Pre EOS Sampling Parameters		2000
		3-Jul-07	**6-Jul-07**
	MW 40A	**MW 40A**	**MW 40A**
PH (s.units)	**4.99**	4.95	4.81
SpCond (mmhos/cm)	**106**	114	120
Temp. ©	**24.1**	25.2	24.4
ORP (mV)	**-85.2**	-61.1	-119
DO (mg/L)	**0.89**	0.18	0.23
Turbidity (NTU)	**9.43**	2.11	8.46
Bromide (ppm)	**<0.5**	57.0	140
Alkalinity mg/L	**3.1**	15.0	15.0
DO Hach (mg/L)	**0.05**	0.10	0.15
TOC (mg/L)	**19.2**		
	MW 40B	**MW 40B**	**MW 40B**
			2000
		3-Jul-07	**6-Jul-07**
PH (s.units)	**4.70**	5.15	5.09
SpCond (mmhos/cm)	**118**	116	112
Temp. ©	**24.0**	24.6	23.9
ORP (mV)	**-34.3**	-137	-162
DO (mg/L)	**0.27**	0.06	0.06
Turbidity (NTU)	**8.35**	1.36	0.98
Bromide (ppm)	**<0.5**	210	200
Alkalinity mg/L	**13.1**	20.0	20.0
DO Hach (mg/L)	**0.05**	0.08	0.05
TOC (mg/L)	**26.0**		

***** Negative DO for YSI 650 probe are due to high Sulfide interference.

AREA 2

EOS Started 18:40, 21 June 07 EOS Stopped 20:25, 21 June 07

Injection Wells were IW2A and IW 2B. (AREA 2)

		Well Head Pressure (avg.)	Flow Gpm (avg.)	inlet Manifold Pressure (avg.)	Injectate Manifold Pressure (avg.)			
	Date	21-Jun-07						**Bromide**
IW 2A	21-Jun-07	11 psi	4.04	26.5 psi	10 psi		**Total Gallons**	**Sampled**
IW 2B	21-Jun-07	13 psi	2.59			Mounding	**of 1% EOS**	**From**
	DTW prior to start	DTW (ft)	DTW (ft)	DTW (ft)	DTW (ft)	avg. (ft)	**Injected (avg.)**	**Injectate**
	of Eos Inj. (1700)	19:14	19:33	20:05	20:25	(20:25)		19:45
MW 48A	**8.19**	5.68	6.06	5.88	5.98	**2.21**	**IW 2A = 424.23**	**240 ppm**
MW 48B	**8.15**	4.74	5.25	4.93	5.04	**3.11**	**IW 2B = 272.07**	
MW 44A	**7.99**	6.19	6.41	6.26	6.34	**1.65**		
MW 44B	**8.00**	6.34	6.54	6.42	6.46	**1.54**		
MW 40A	**7.96**	5.67	5.87	5.70	5.77	**2.19**		
MW 40B	**7.98**	5.73	6.04	5.84	5.91	**2.07**		

EOS Started 09:30, 22 June 07 EOS Stopped 15:08, 22 June 07

		Well Head Pressure (avg.)	Flow Gpm (avg.)	inlet Manifold Pressure (avg.)	Injectate Manifold Pressure (avg.)			
	Date	22-Jun-07						**Bromide**
IW 2A	22-Jun-07	13 psi	2.82	27 psi	12 psi		**Total Gallons**	**Sampled**
IW 2B	22-Jun-07	13 psi	2.10			Mounding	**of 1% EOS**	**From**
	DTW prior to start	DTW (ft)	DTW (ft)	DTW (ft)	DTW (ft)	avg. (ft)	**Injected (avg.)**	**Injectate**
	of Eos Inj. (0900)	14:30				(14:30)		14:29
MW 48A	**8.19**	6.55				**1.64**	**IW 2A = 955.07**	**180 ppm**
MW 48B	**8.16**	5.78				**2.38**	**IW 2B = 712.69**	
MW 44A	**8.00**	6.75				**1.25**		
MW 44B	**8.01**	6.85				**1.16**		
MW 40A	**7.96**	6.33				**1.63**		
MW 40B	**7.98**	6.44				**1.54**		

EOS Started 16:00, 02 July 07 EOS Stopped 2000, 02 July 07

		Well Head Pressure (avg.)	Flow Gpm (avg.)	inlet Manifold Pressure (avg.)	Injectate Manifold Pressure (avg.)			
	Date	2-Jul-07						**Bromide**
IW 2A	2-Jul-07	13 psi	3.40	26 psi	16 psi		**Total Gallons**	**Sampled**
IW 2B	2-Jul-07	13 psi	2.40			Mounding	**of 1% EOS**	**From**
	DTW prior to start	DTW (ft)	DTW (ft)	DTW (ft)	DTW (ft)	avg. (ft)	**Injected (avg.)**	**Injectate**
	of Eos Inj. (1400)	17:35	18:40			(18:40)		18:43
MW 48A	**8.26**	6.29	6.09			**2.17**	**IW 2A = 816.00**	**220 ppm**
MW 48B	**8.24**	5.15	4.66			**3.58**	**IW 2B = 576.00**	
MW 44A	**8.06**	6.56	6.41			**1.65**		
MW 44B	**8.09**	6.68	6.54			**1.55**		
MW 40A	**8.05**	6.09	5.86			**2.19**		
MW 40B	**8.06**	6.16	5.91			**2.15**		

EOS Started 09:20, 03 July 07 EOS Stopped 17:04, 03 July 07

Daily totals

		Well Head Pressure (avg.)	Flow Gpm (avg.)	inlet Manifold Pressure (avg.)	Injectate Manifold Pressure (avg.)			
	Date	3-Jul-07						**Bromide**
IW 2A	3-Jul-07	15 psi	3.31	30 psi	16 psi		**Total Gallons**	**Sampled**
IW 2B	3-Jul-07	16 psi	2.40			Mounding	**of 1% EOS**	**From**
	DTW prior to start	DTW (ft)	DTW (ft)	DTW (ft)	DTW (ft)	avg. (ft)	**Injected (avg.)**	**Injectate**
	of Eos Inj. (09:00)	*						9:30
MW 48A	**8.24**						**IW 2A = 963.87**	**230 ppm**
MW 48B	**8.22**						**IW 2B = 726.16**	
MW 44A	**8.04**	Daylighting occurred at 13:12. Pump was shut down to allow well pressure to settle.						
MW 44B	**8.04**	Each well was injected individually, but, the well causing the daylighting could not be determined.						
MW 40A	**8.05**	Well Head pressure was dropped slightly to 13-14 psi and no daylighting was observed						
MW 40B	**8.04**							

IW2-A 3160 gallons injected, TOC sample collected.

IW2-B 2286 gallons injected, TOC sample collected.

*NOTE: Water levels were also collected from transducers.

AREA 2

Injection Wells were IW2A and IW 2B. (AREA 2)

EOS Started 14:05, 05 July 07 EOS Stopped 18:55, 05 July 07

		Well Head Pressure (avg.)	Flow Gpm (avg.)	inlet Manifold Pressure (avg.)	Injectate Manifold Pressure (avg.)			
	Date	5-Jul-07						**Bromide**
IW 2A	5-Jul-07	14 psi	2.44	31 psi	18 psi		**Total Gallons**	**Sampled**
IW 2B	5-Jul-07	14 psi	1.51			Mounding	**of 1% EOS**	**From**
	DTW prior to start	DTW (ft)	DTW (ft)	DTW (ft)	DTW (ft)	avg. (ft)	**Injected (avg.)**	**Injectate**
	of Eos Inj. (1400)							16:30
MW 48A	**8.15**	water levels collected with transducers.					**IW 2A = 709.53**	**210 ppm**
MW 48B	**8.14**						**IW 2B = 440.10**	
MW 44A	**7.96**							
MW 44B	**7.97**							
MW 40A	**7.94**							
MW 40B	**7.95**							

Totalizer for each well
and were having problems.per day valı
have not been
Factor was not applied to average flow

EOS Started 09:22, 6 July 07 EOS Stopped 20:35, 6 July 07

		Well Head Pressure (avg.)	Flow Gpm (avg.)	inlet Manifold Pressure (avg.)	Injectate Manifold Pressure (avg.)			
	Date	6-Jul-07						**Bromide**
IW 2A	6-Jul-07	13 psi	2.08	31 psi	18 psi		**Total Gallons**	**Sampled**
IW 2B	6-Jul-07	13 psi	1.50			Mounding	**of 1% EOS**	**From**
	DTW prior to start	DTW (ft)	DTW (ft)	DTW (ft)	DTW (ft)	avg. (ft)	**Injected (avg.)**	**Injectate**
	of Eos Inj. (08:05)	17:50	18:35			18:35		16:30
MW 48A	**8.09**	6.90	6.85			**1.24**	**IW 2A = 1399.84**	**210 ppm**
MW 48B	**8.04**	6.14	6.06			**1.98**	**IW 2B = 1009.50**	
MW 44A	**7.87**	6.65	6.93			**0.94**		
MW 44B	**7.89**	6.68	7.00			**0.89**		
MW 40A	**7.85**	6.94	6.63			**1.22**		
MW 40B	**7.87**	7.04	6.68			**1.19**		

Total injected into IW2A =	5268.54	Avg. flow IW2A= 3.01	Avg. Well head Pressure IW2A= 13.16 psi
Total injected into IW2B =	3736.52	Avg. flow IW2B= 2.08	Avg. Well head Pressure IW2A= 13.66 psi
	9005.06		***Approx. 9000 gallons injected, TOC sample collected.***

Avg. Injectate Maniflod Pressure = 13.16 psi
Avg. Injectate Maniflod Pressure = 28.50 psi

ATTACHMENT E

Waste Disposal Documentation

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FLD 000 062 598

Manifest Document No. 041708

2. Page 1 of 1

3. Generator's Name and Mailing Address
US Naval Southern Division
1000 Warehouse Rd Orlando FL 32803-3515

4. Generator's Phone (407) 895-9103

5. Transporter 1 Company Name: Freehold Cartage Inc

6. US EPA ID Number: NJD 054 126 164

A. State Transporter's ID

B. Transporter 1 Phone: 8035334599

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
ECOFLO SE
300 Swett Ave
Americus GA 31709

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone: 229.931-0450

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON Regulated Material, NON-Hazardous per 40 & 49 CFR	3	DM	165	G
b. NON-Regulated Material, NON-Hazardous per 40 & 49 CFR	1	DM	55	G
c.				
d.				

G. Additional Descriptions for Materials Listed Above
11a: Drill Cuttings
11b: Remediation Water

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Site: 042-TD-02
24 Hour Emergency Response #: 256-759-3922

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Calvin Collins
Signature:
Date: Month 04 Day 04 Year 08

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DALE TAYLOR
Signature:
Date: Month 04 Day 12 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: Brian Mercer
Signature: Brian Mercer
Date: Month 4 Day 29 Year 08

NON-HAZARDOUS WASTE

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Rev. 3/95

ECOFLO SouthEast, Inc.
300 Swett Avenue
Americus, GA 31709

(229) 931-0450
Fax: (229) 931-0790

US NAVY
OU-2 MCCOY ANNEX
ORLANDO, FL 32803

Certificate of Disposal

ECOFLO SouthEast, Inc. has received waste material from:

US NAVY

described on Generator's Manifest Document Number 04170

and received on Tuesday, Apr 29 2008

Profile	Quantity	Type
L80408	3	Drum Metal
L80409	1	Drum Metal

ECOFLO SouthEast, Inc. hereby certifies that the waste material identified above was received and disposed of in compliance with State and Federal Regulations.

AUTHORIZED SIGNATURE: _____ **Date:** 5/29/08

Waste Management, Inc.
Emelle Facility
P.O. Box 55
Emelle, Alabama 35459-0055
(205)652-9721

US NAVAL SOUTHERN DIVISION
1060 WAREHOUSE RD

ORLANDO,FL 32803-3513

Site Infomation

US NAVAL SOUTHERN DIVISION
1060 WAREHOUSE RD

ORLANDO,FL 32803-3515

ACKNOWLEDGEMENT OF RECEIPT OF WASTE SHIPMENT

Generator Name: US NAVAL SOUTHERN DIVISION
Enclosed is/are your Generator Number Two copy / copies for Alabama Manifest Numbers:

000367270GBF

This copy is to acknowledge that Chemical Waste Management, Inc., of Emelle, Alabama has received your shipment. As a requirement of 40 CFR 264.12 (b), this letter serves to inform you that this facility has the proper permits and will accept your shipment upon completion of waste analysis procedures specified in the facility's Waste Analysis Plan and as determined in the approval waste profile submitted for this/these wastes.

As of September 26, 1997, Chemical Waste Management, Inc., Emelle Alabama (ALD000622464) is operating under a AHWMMA Permit, issued by the Alabama Department of Environmental Management. (RCRA)

Dorothy Oliver
Recordkeeping and Reporting Supervisor

May 06, 2008